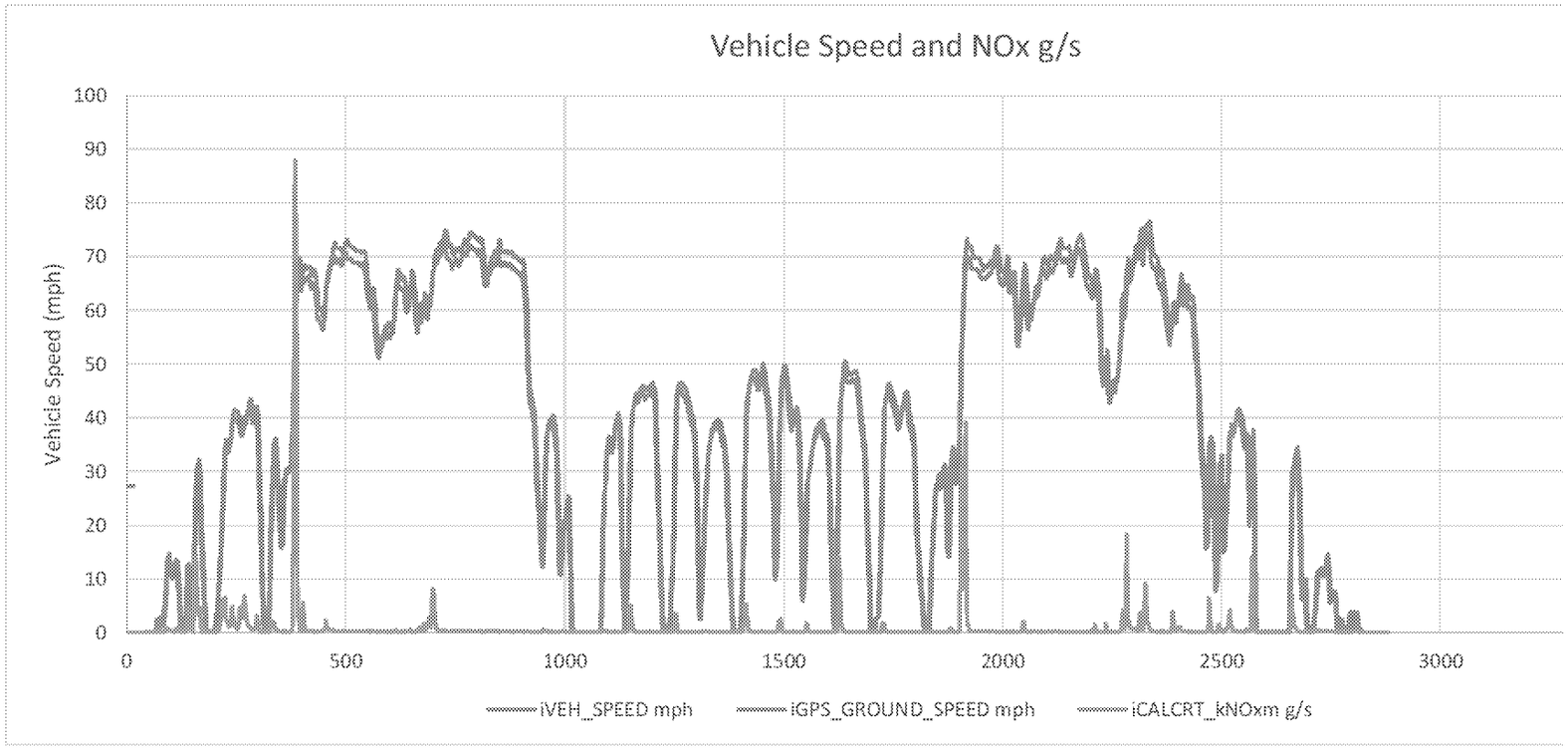
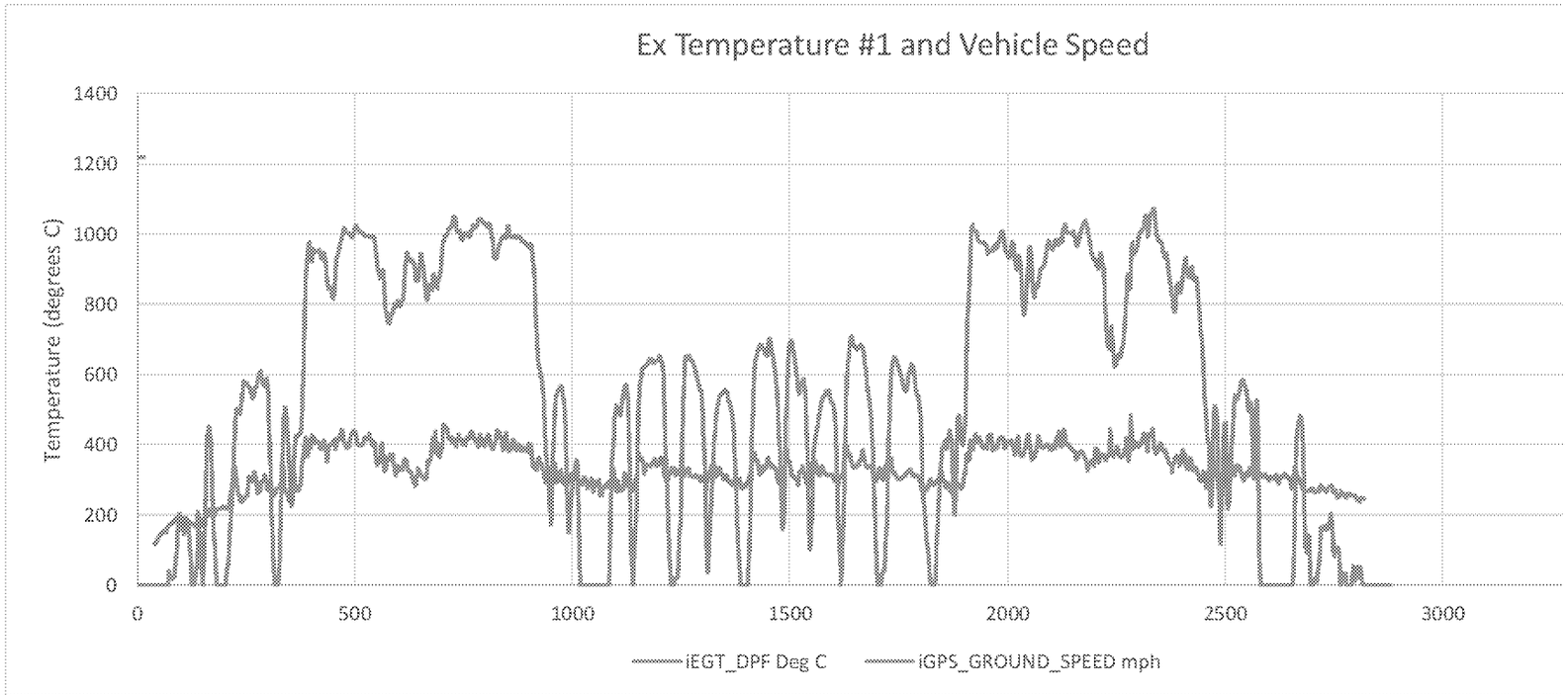
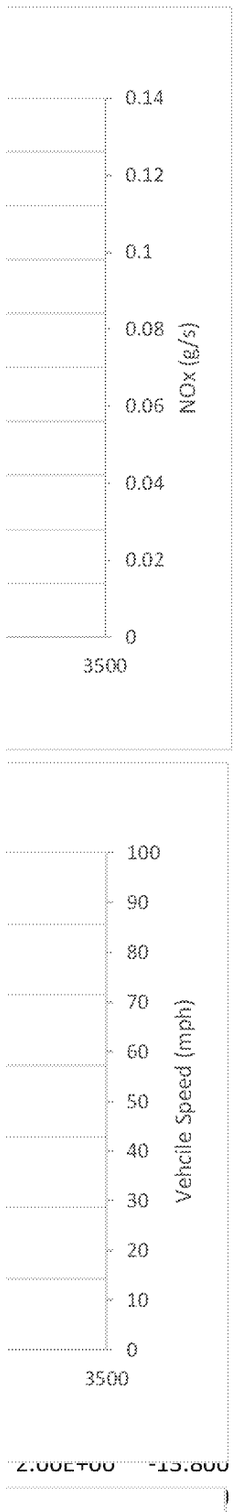
Test Duration (s)	2880
Calculated Test Duration (s)	2880
Average Ambient Temperature (deg C)	-13.64
Calculated Average Ambient Temperature (deg C)	-13.64
Total Distance Traveled (mi)	29.982
Calculated Total Distance Traveled (mi)	30.916
Total Fuel Consumed (gal)	1.410
Calculated Total Fuel Consumed (gal)	1.410
Overall Fuel Economy (mpg)	21.26
Calculated Overall Fuel Economy (mpg)	21.92
CO2 (g)	14597.65
Calculated CO2 (g)	14597.66
CO (g)	7.426
Calculated CO (g)	7.426
kNOx (g) (corrected NOx)	3.305
Calculated kNOx (g) (corrected NOx)	3.304
THC (g)	0.051
Calculated THC (g)	0.051
CO2 (g/mi)	486.9
Calculated CO2 (g/mi)	472.2
CO (g/mi)	0.248
Calculated CO (g/mi)	0.240
kNOx (g/mi) (corrected NOx)	0.110
Calculated kNOx (g/mi) (corrected NOx)	0.107
THC (g/mi)	0.002
Calculated THC (g/mi)	0.002
1st Measured ECT (deg)	166.2
Test Start Time	10:36:18.944
Test Stop Time	11:24:17.944
Average Speed (mph)	38.6
Regeneration Event?	No
Average SCR temp (deg)	334.3
Test Date	12/27/2017
Vehicle	2012 Audi Q7

sTIME	iSCB_LAT	iCALCRT_kNOxm	iCALCRT_HCm	iCALCRT_COm	iCALCRT_CO2m	iWfgps	iGPS_GROUND_SPEED
hh:mm:ss.xxx	deg C	g/s	g/s	g/s	g/s	gal/s	mph
10:36:18.944	-12	0	0	0	0	0	0



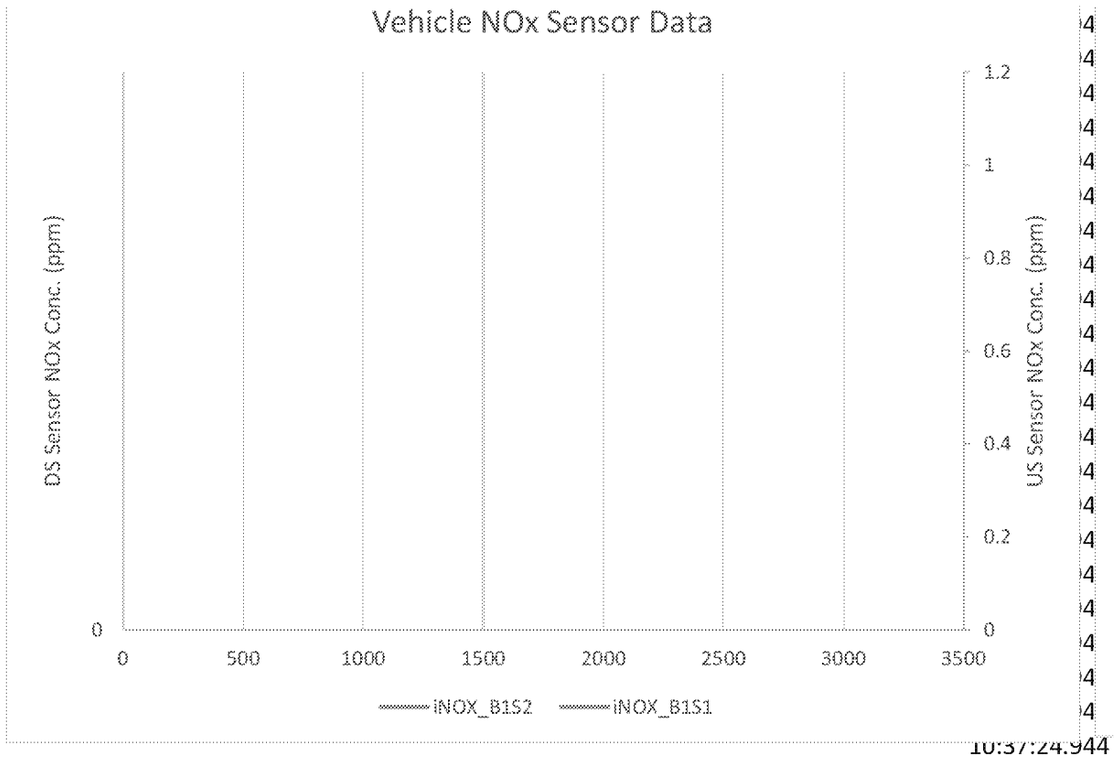


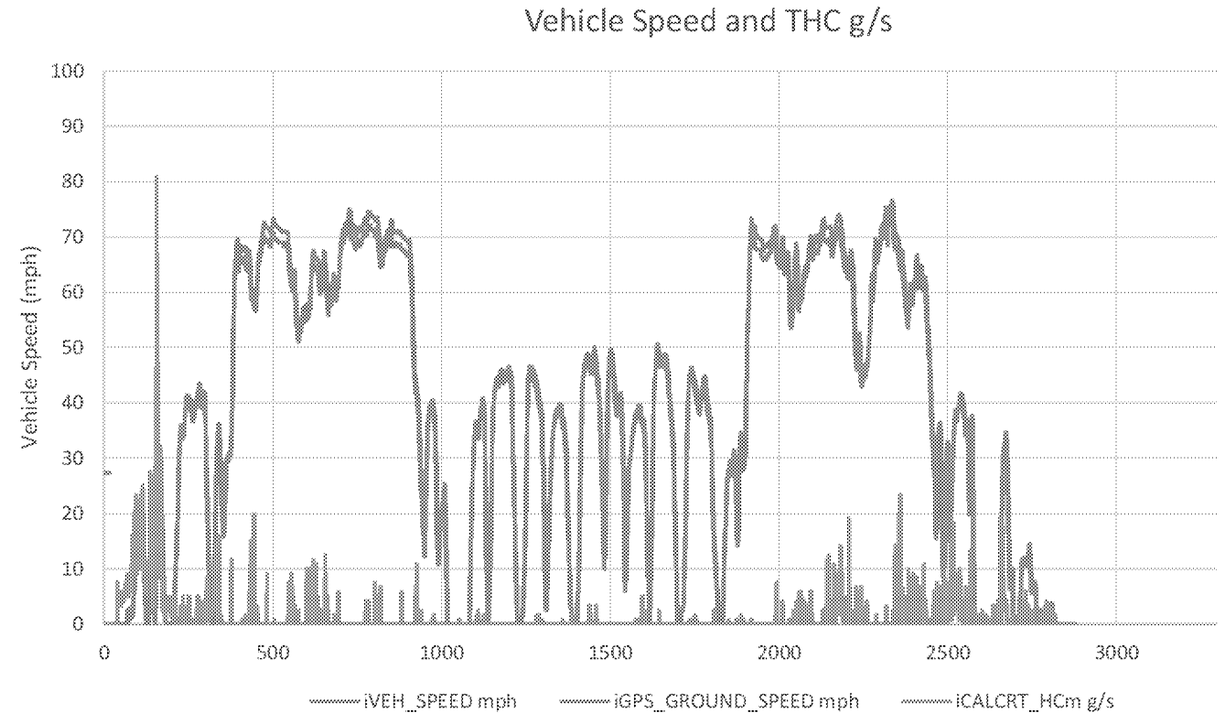


ikNOxzw	iNDUV_NO	iNDUV_NO2	ikNOzw	ikNO2zw	iFID_THC	iCOOL_TEMP	iMAF	iENG_SPEED	iVEH_SPEED	iENG_LOAD	iEGT_DPF	iEGT_11	iNOX_B1S1	iNOX_B1S2	sDPF_REGEN
ppm	ppm	ppm	ppm	ppm	ppmC	ECT deg F	g/s	rpm	mph	%	Deg C	Deg C			Regen 0/1
2.00	-13.200	2.300	0.000	1.951	6.000			3147	27.32						0
		2.300	0.000	1.951	6.600		125.88	3147	27.32		1218.8				0
		2.400	0.000	2.015	2.000		125.88	3147	27.32		1218.8				0
		2.400	0.000	2.036	3.800		125.88	3147	27.32		1218.8				0
		2.400	0.000	2.036	2.100		125.88	3147	27.32		1218.8				0
		2.400	0.000	2.036	3.900		125.88	3147	27.32		1218.8				0
		2.400	0.000	2.036	2.800		125.88	3147	27.32		1218.8				0
		2.400	0.000	2.036	3.800		125.88	3147	27.32		1218.8				0
		2.400	0.000	2.036	5.000		125.88	3147	27.32		1218.8				0
		2.400	0.000	2.036	5.700		125.88	3147	27.32		1218.8				0
		2.400	0.000	2.036	5.900		125.88	3147	27.32	17.3	1218.8				0
		2.400	0.000	2.036	6.800		125.88	3147	27.32	17.3	1218.8				0
		2.500	0.000	2.100	8.200		125.88	3147	27.32	17.3	1218.8	1218.8			0
		2.500	0.000	2.120	5.800		125.88	3147	27.32	17.3	1218.8	1218.8			0
		2.500	0.000	2.120	7.400		125.88	3147	27.32	17.3	1218.8	1218.8			0
		2.500	0.000	2.120	2.500		125.88	3147	27.32		1218.8	1218.8			0
		2.500	0.000	2.120	8.500		125.88	3147				1218.8			
		2.500	0.000	2.120	3.000			3147							
		2.500	0.000	2.120	4.300										
		2.500	0.000	2.120	6.900										
		2.500	0.000	2.120	6.600										
		2.500	0.000	2.120	7.700										
		2.500	0.000	2.120	5.500										
		2.500	0.000	2.120	10.600										
		2.500	0.000	2.120	1.800										
		2.500	0.000	2.120	6.000										
		2.500	0.000	2.120	3.900										
		2.500	0.000	2.120	6.000										
		2.500	0.000	2.120	5.600										
		2.500	0.000	2.120	5.200										
		2.500	0.000	2.120	6.400										
		2.500	0.000	2.120	2.400										
		2.500	0.000	2.120	5.700										
		2.500	0.000	2.120	2.800										
		2.500	0.000	2.120	5.500										
		2.500	0.000	2.120	3.500										
		2.500	0.000	2.120	4.600										
		2.500	0.000	2.120	5.200										
		2.500	0.000	2.120	4.900										
		2.400	0.000	2.048	7.500	166.2	21.65163	571		11.9	117.164583	128.6			
		2.400	0.000	2.011	4.900	167.3	22.45567	870		15	120.783044	127.324583			
		2.400	0.000	2.000	8.500	168.5	14.61581	752		25.8	120.694716	124.4			
		2.400	0.000	1.987	5.200	169.6	13.71163	783		37.6	122.192817	124.489903			
		2.400	0.000	1.987	10.900		12.76765	787		35.9	124.820833	125.493719			
		2.400	0.000	1.995	9.600		12.69029	777		39.5	126.809021	126.945908			

iCOM_EGR

Accum kNOx g	Accum THC g	Accum CO g	Accum CO2 g
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0.00001	0
0	0	0.00001	0
0	0	0.00001	0
0	0	0.00001	0
0	0	0.00001	0
0	0	0.00001	0
0	0	0.00001	0
0	0	0.00001	0
0	0	0.00001	0
0.00002	0.00001	0.00006	0.024
0.00011	0.0001	0.00174	0.464
0.00018	0.00015	0.0038	1.091
0.00023	0.00022	0.00727	1.729
0.00028	0.00026	0.01191	2.453
0.00032	0.00033	0.01577	3.123
0.00036	0.00039	0.01781	3.695





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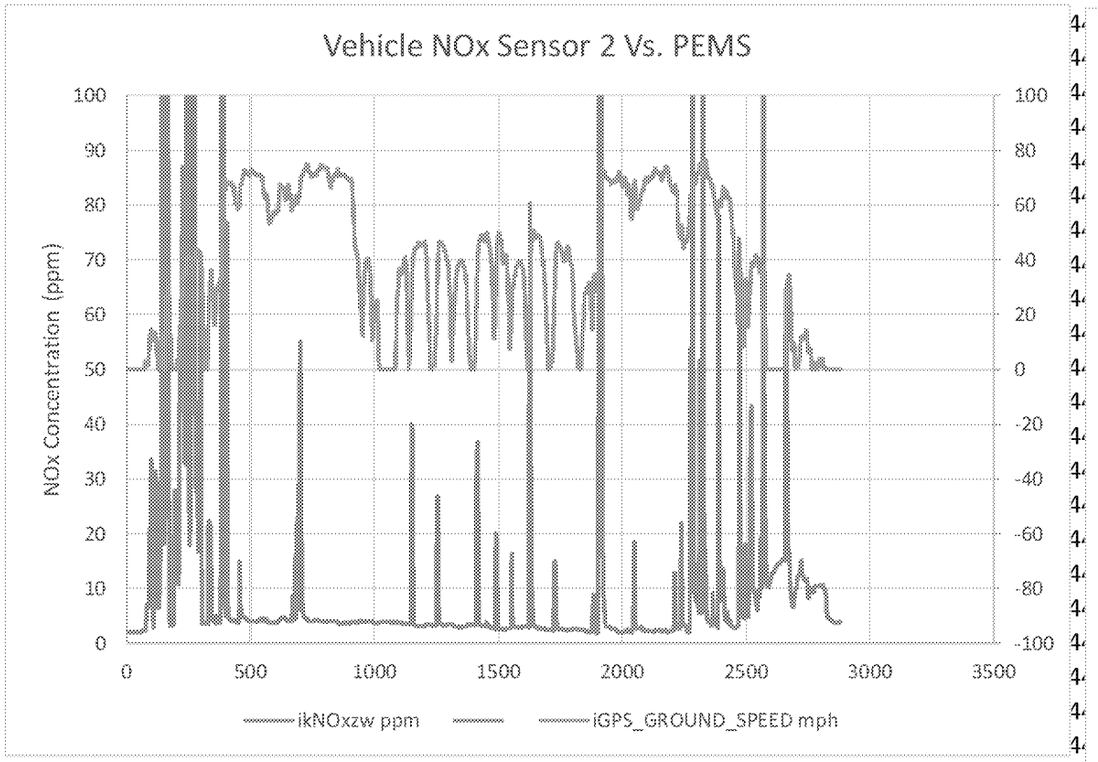
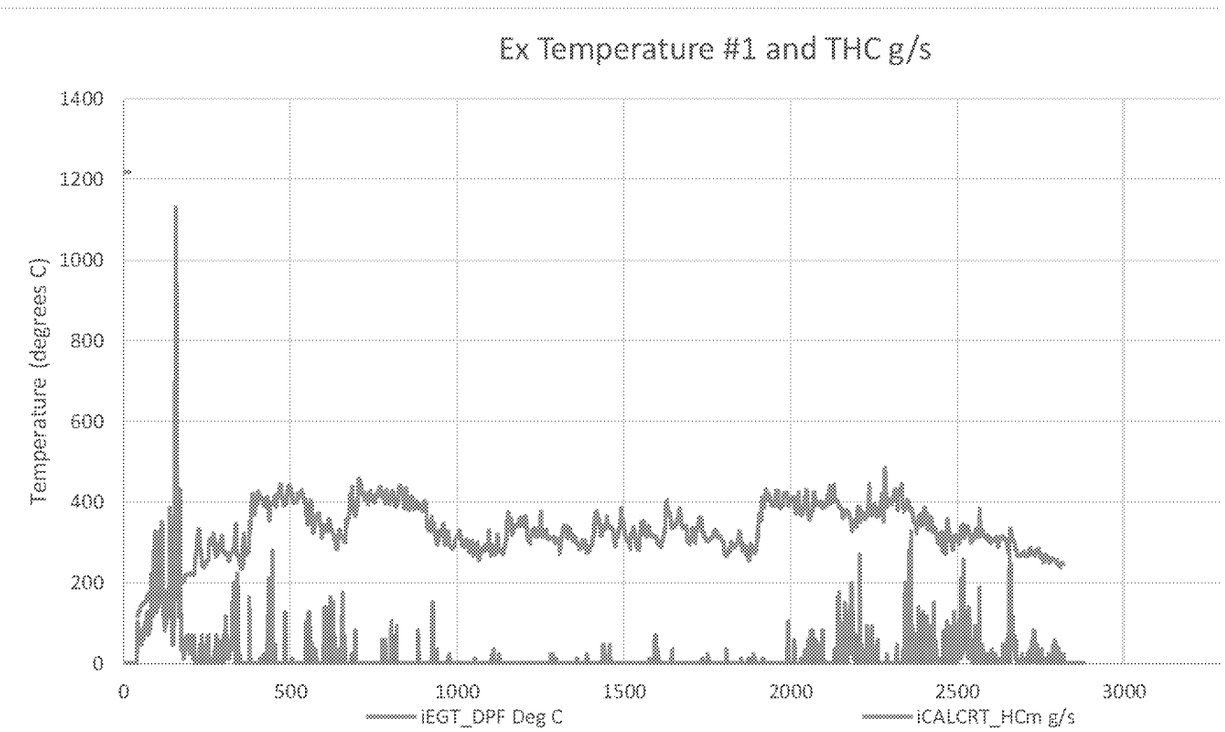
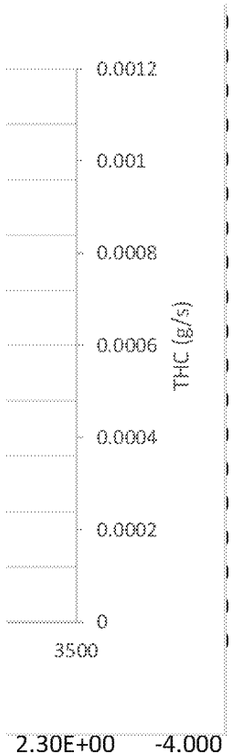


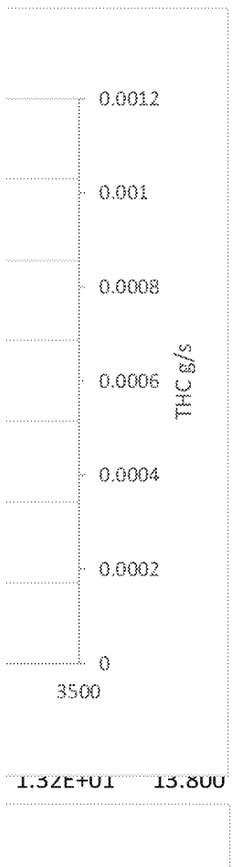


10:37:47.944 -12 0.0006 0.00016 0.00063 4.055 0.000391 6.3

Accumulated CO and Vehicle Speed

Accumulated CO2 and Vehicle Speed





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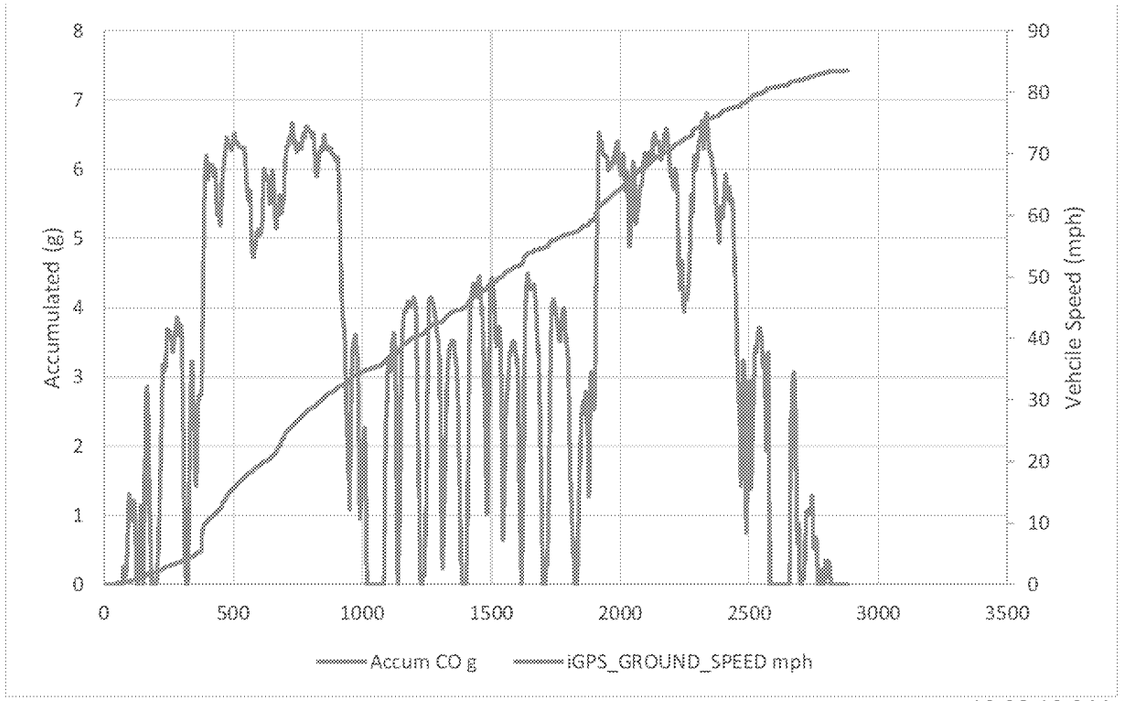
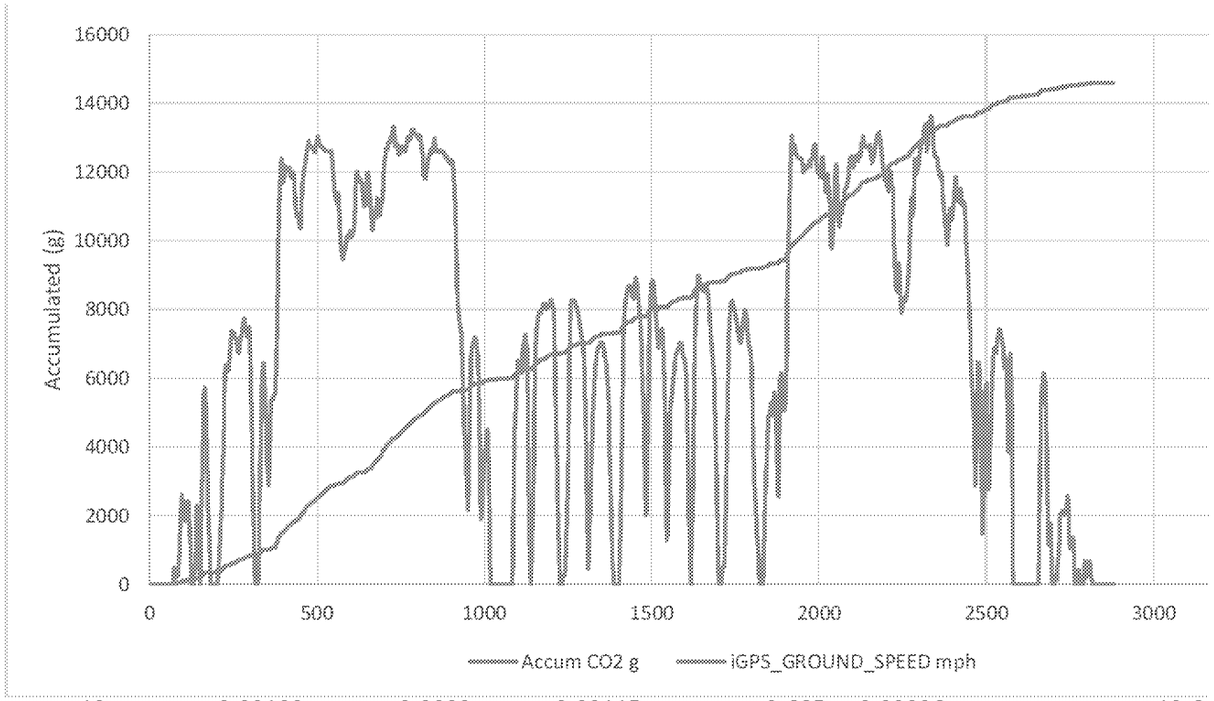
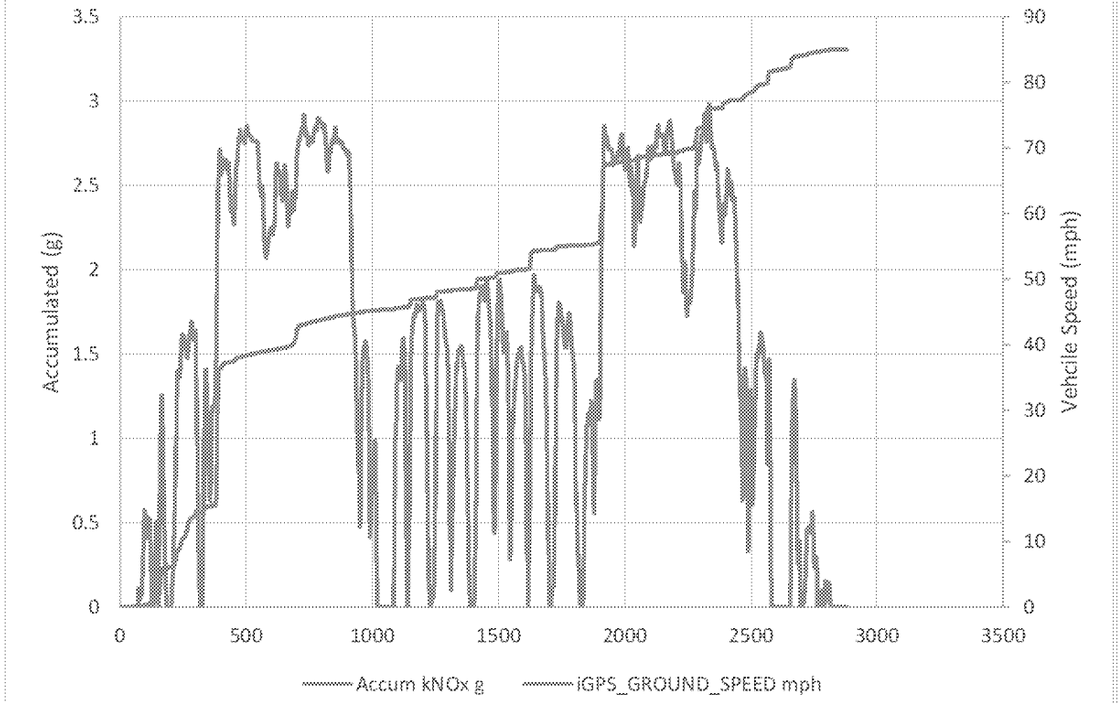
2.400	0.000	1.996	9.300		12.5972	779	0	38.6	130.965	128
2.400	0.000	1.986	9.500		12.3538	774	0	39.7	132.934816	128
2.400	0.000	1.976	11.900	165.1	12.16894	780	0	40.4	134.541243	128.692956
2.400	0.000	1.970	9.600	164.3	11.66125	780	0	40.9	136.848951	129.1
2.400	0.000	1.967	12.500	163.6	11.33155	781	0	41.8	139.401883	129.1
2.500	0.000	2.027	8.500	162.9	11.04253	778	0	44.4	141.294388	129.567755
2.500	0.000	2.048	12.300	162.1	10.72015	777	0	49.4	143.117391	130.088503
2.500	0.000	2.047	9.700	161.4	11.02843	779	0	48.6	144.576686	130.7425
2.500	0.000	2.047	11.000	160.7	11.064	780	0	49.9	145.970093	130.9
2.500	0.000	2.045	10.300	159.9	10.9306	776	0	49.9	147.451613	131.269329
2.600	0.000	2.103	8.800	159.2	11.06056	777	0	48.7	148.825	131.4
2.600	0.000	2.123	10.400	158.5	11.12437	781	0	47.9	150.396125	132.214496
2.600	0.000	2.122	11.300	158	11.15989	778	0	48.2	153.407902	132.5
2.700	0.000	2.180	13.800	158	11.2297	779	0	48	152.914787	132.991953
2.700	0.000	2.201	10.800	158	10.92589	762	0	51.9	152.575887	133.086027
2.700	0.000	2.200	14.000	158	11.34082	783	0	52.8	151.605641	134.25561
2.700	0.000	2.200	15.000	158	10.72095	770	0	59.4	148.673346	135.586087
2.800	0.000	2.260	16.600	158	11.31389	776	0	58.1	149.398491	137.21901
2.800	0.000	2.281	12.200	158	11.23569	782	0	60	150.744286	139.173555
2.800	0.000	2.280	16.300	158	11.21078	785	0	60.1	152.891129	140.82038
2.800	0.000	2.275	12.700	158	11.17267	842	0	91.3	154.399197	143.629075
2.800	0.000	2.270	13.500	158	15.43613	925	0.851	67.7	158.549176	149.333043
2.800	0.000	2.262	17.900	158.4	12.61342	805	1.86	67	163.21814	154.663043
2.800	0.000	2.255	14.000	158.8	11.52685	790	2.48	64.9	167.05643	157.789333
2.900	0.000	2.327	19.500	159.2	11.34641	775	2.48	65.9	169.64	160.023636
2.900	0.000	2.313	11.100	159.6	11.18879	775	2.102	66	170.972074	161.451772
2.900	0.000	2.298	12.100	159.8	11.29247	775	1.24	67.1	172.257439	163.70089
2.900	0.000	2.291	12.000	159.8	11.29202	782	0.9	68	172.738952	165.03432
3.000	0.168	2.367	15.900	159.8	12.29119	849	0.928	67.1	173.738783	167.114811
3.000	0.716	2.366	14.600	159.8	12.41253	844	0.924	66.6	174.464113	170.504238
3.000	1.338	2.364	15.400	159.8	11.22177	772	0.62	70.2	175.129474	171.645217
3.000	2.102	2.361	17.100	160	13.74115	925	1.24	73.8	175.802558	174.715618
3.000	2.860	2.358	11.400	160.4	12.47752	828	1.253	64.3	176.659231	176.613407
3.000	3.525	2.356	15.800	160.8	11.85836	781	1.86	62.8	177.470772	177.823077
3.000	4.286	2.355	16.800	161.2	11.47042	773	1.516	64.5	178.3	178.0676
3.000	4.606	2.353	21.900	161.6	12.0144	822	1.24	69.3	178.235838	178.8928
3.000	4.703	2.352	15.300	161.6	13.66488	936	1.24	88.8	179.248244	182.344516
3.000	4.709	2.354	18.700	161.6	22.4566	1233	2.429	85.3	181.379811	189.631244
3.000	4.652	2.354	16.300	161.6	22.17132	1190	3.682	72.5	185.353586	196.165789
3.000	4.322	2.338	16.200	161.6	17.82672	1121	4.279	71.7	187.199712	198
3.000	4.273	2.331	15.500	161.6	17.65927	1137	4.897	70.4	187.679038	199.0203
3.000	4.813	2.336	9.400	161.6	21.7051	1362	6.137	81.4	188.571739	202.871542
3.100	7.048	2.422	12.200	161.6	27.07566	1574	7.366	71.5	190.397897	209.609702
3.100	10.781	2.422	12.100	161.6	30.09082	1555	8.139	56.1	190.872403	217.387768
3.100	13.988	2.422	18.200	161.6	26.74566	1420	9.99	78.3	192.993762	224.63402
3.100	16.645	2.426	17.300	161.7	30.01735	1514	11.376	74.1	188.08	232.158875

0.0004	0.00046	0.01928	4.217
0.00044	0.00052	0.02061	4.768
0.00048	0.00058	0.02174	5.41
0.00052	0.00065	0.02255	6.131
0.00056	0.0007	0.02309	6.894
0.0006	0.00077	0.02352	7.659
0.00064	0.00081	0.02393	8.407
0.00068	0.00087	0.0244	9.146
0.00072	0.00092	0.02491	9.893
0.00076	0.00098	0.02542	10.645
0.0008	0.00103	0.02592	11.415
0.00084	0.00108	0.02633	12.204
0.00088	0.00113	0.02674	13.009
0.00092	0.00119	0.02715	13.827
0.00096	0.00126	0.02761	14.662
0.001	0.00132	0.0281	15.514
0.00104	0.0014	0.02857	16.374
0.00108	0.00148	0.02939	17.23
0.00112	0.00157	0.02997	18.085
0.00116	0.00164	0.03049	18.948
0.0012	0.00173	0.03101	19.818
0.00125	0.00181	0.03156	20.841
0.0013	0.0019	0.03212	22.081
0.00135	0.00201	0.03271	23.243
0.00139	0.00209	0.03316	24.355
0.00143	0.00219	0.03382	25.487
0.00147	0.00225	0.03454	26.717
0.00151	0.00231	0.03505	28.076
0.00155	0.00237	0.03534	29.489
0.0016	0.00246	0.03556	31.06
0.00166	0.00255	0.03578	32.625
0.00173	0.00264	0.03621	34.2
0.00182	0.00275	0.0368	35.932
0.00192	0.00282	0.03733	37.626
0.00203	0.00291	0.03775	39.214
0.00215	0.003	0.03816	40.773
0.00229	0.00313	0.0386	42.454
0.00246	0.00324	0.03915	44.582
0.0027	0.00343	0.03991	47.481
0.00293	0.00359	0.04066	50.354
0.00312	0.00373	0.04134	52.977
0.00331	0.00387	0.0423	55.774
0.00356	0.00397	0.04333	59.09
0.00398	0.00413	0.0441	63.094
0.00458	0.00429	0.04473	67.149
0.0053	0.00453	0.04546	71.069
0.00621	0.00478	0.0463	75.286

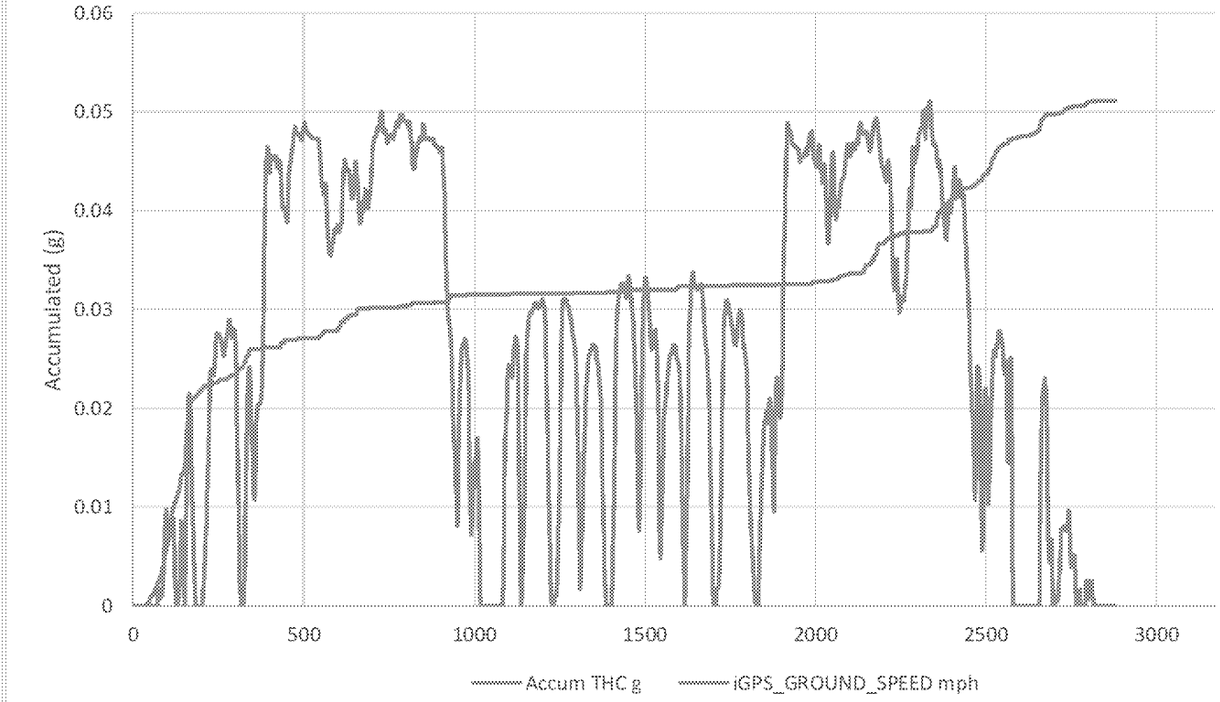




Accumulated kNOx and Vehicle Speed

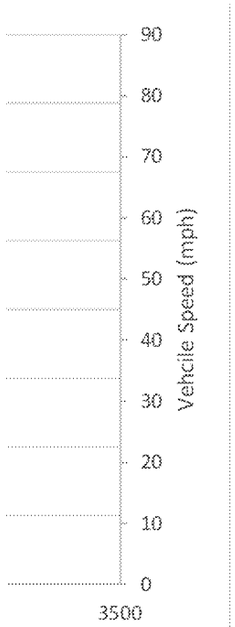


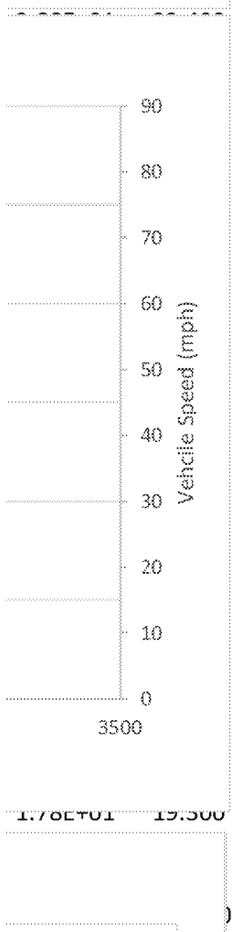
Accumulated THC and Vehicle Speed



Engine Speed and EGR Command

NOx ppm





3.100	17.744	2.421	17.300
3.100	18.793	2.418	17.700
3.100	22.385	2.419	15.800
3.100	26.248	2.422	18.500
3.100	29.570	2.425	16.800
3.100	30.763	2.438	22.700
3.100	31.051	2.465	20.500
3.000	27.803	2.432	23.700
3.000	22.352	2.426	19.700
3.000	16.608	2.427	20.100
3.000	11.458	2.420	19.800
3.000	7.223	2.410	19.600
3.000	4.256	2.400	22.600
3.000	2.169	2.391	20.400
2.900	0.979	2.325	24.500
2.900	0.576	2.296	19.200
2.900	2.712	2.284	22.600
2.800	7.975	2.225	20.100
2.800	15.505	2.208	21.700
2.800	21.833	2.214	22.300
2.800	26.549	2.229	26.300
2.800	29.111	2.252	26.200
2.800	29.162	2.266	21.300
2.800	26.873	2.262	23.500
2.800	26.007	2.260	19.400
2.900	26.142	2.349	23.600
2.900	26.734	2.369	18.600
2.900	27.045	2.395	19.700
2.900	24.563	2.409	16.500
2.900	20.020	2.410	14.000
3.000	14.904	2.486	15.300
3.000	10.816	2.471	15.300
3.100	7.392	2.514	18.400
3.100	5.602	2.513	14.300
3.200	4.385	2.571	18.600
3.200	3.828	2.552	15.100
3.300	3.732	2.620	18.900
3.300	3.897	2.614	17.800
3.200	5.057	2.553	21.000
3.300	6.939	2.610	18.400
3.300	9.012	2.603	17.200
3.300	11.413	2.600	18.000
3.300	13.475	2.599	14.500
3.300	15.180	2.601	17.800
3.300	16.305	2.593	13.600
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3.300	79.342	2.573	12.700

162.1	32.78249	1617	12.678	72.1	188.759245	239.767549
162.5	34.47538	1712	13.66	68.6	189.346923	247.921722
162.9	21.11417	1343	14.28	41.4	194.495094	249.400435
163.3	13.33593	952	13.66	24.9	200.160897	237.828921
163.4	13.20242	958	13.04	34.9	202.605385	227.886645
163.4	13.51128	973	12.81	41.1	199.115866	219.351183
163.4	13.57688	971	12.42	48.3	198.719657	214.127492
163.4	13.4975	950	11.8	55	196.813655	210.564072
163.4	13.45265	945	11.8	56.4	195.617923	208.741084
163.4	13.15185	940	11.18	59.7	194.089212	207.279739
163.4	13.13115	931	11.18	62.5	192.938846	206.607285
163.4	13.60205	997	10.56	47.8	192.246191	205.357576
163.4	17.49837	1260	9.94	77.5	191.181226	205.046383
163.4	21.08952	1337	10.345	73	191.689209	208.893778
163.8	23.13243	1401	11.066	67.2	191.428491	214.236703
164.2	24.78966	1469	11.8	64.2	189.844798	218.838111
164.6	26.03045	1535	12.42	62.8	187.805759	223.456927
165	26.04988	1584	13.04	60.1	182.180233	226.752031
165.2	25.23692	1543	13.04	43.9	178.831362	226.678462
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165.2	23.97499	1525	13.04	51	181.106596	212.601358
165.2	29.4225	1452	13.016	21.8	183.361458	210.76778
165.2	16.28408	1008	11.799	7.4	178.954694	198.584615
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165.2	11.71643	835	8.69	36.3	175.2762	186.540455
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165.2	10.59596	768	2.63	68.1	176.674792	186.7672
165.2	11.91273	811	0.98	66.8	177.338438	189.447727
165.2	11.96897	788	0	60.5	177.27553	192.561333
165.2	11.93978	778	0	60.6	175.733641	194.872234
165.2	11.60571	778	0	63	175.819386	196.682146
165.2	11.74	779	0	60.8	176.736321	198.079179
165.2	11.89347	789	0	60.5	176.374217	199.702714
165.2	12.90113	857	0	63.8	172.3675	202.162959
165.2	14.0083	921	0.991	69.1	169.561932	205.43395
165.2	14.35012	893	0.854	62.1	169.774088	207.212987
165.2	13.50571	855	2.094	57.6	169.849712	209.443613
165.2	12.21949	779	2.48	53.8	167.000407	209.457276
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0.01474	0.00782	0.05973	114.342
0.01516	0.00807	0.06089	117.682
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0.01907	0.00919	0.06499	128.811
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0.02219	0.00987	0.06795	134.575
0.02276	0.01001	0.06832	135.636
0.0233	0.01011	0.06868	136.46
0.02382	0.01022	0.069	137.05
0.02429	0.01031	0.06933	137.522
0.02469	0.01038	0.06996	137.987
0.02501	0.01047	0.07062	138.534
0.02526	0.01056	0.07111	139.202
0.02544	0.01066	0.07182	140.01
0.02559	0.01074	0.07278	140.972
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0.02584	0.01093	0.07437	143.431
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0.02611	0.01117	0.07538	146.568
0.02628	0.01131	0.07576	148.253
0.02648	0.01143	0.07623	149.875
0.02671	0.01153	0.07675	151.424
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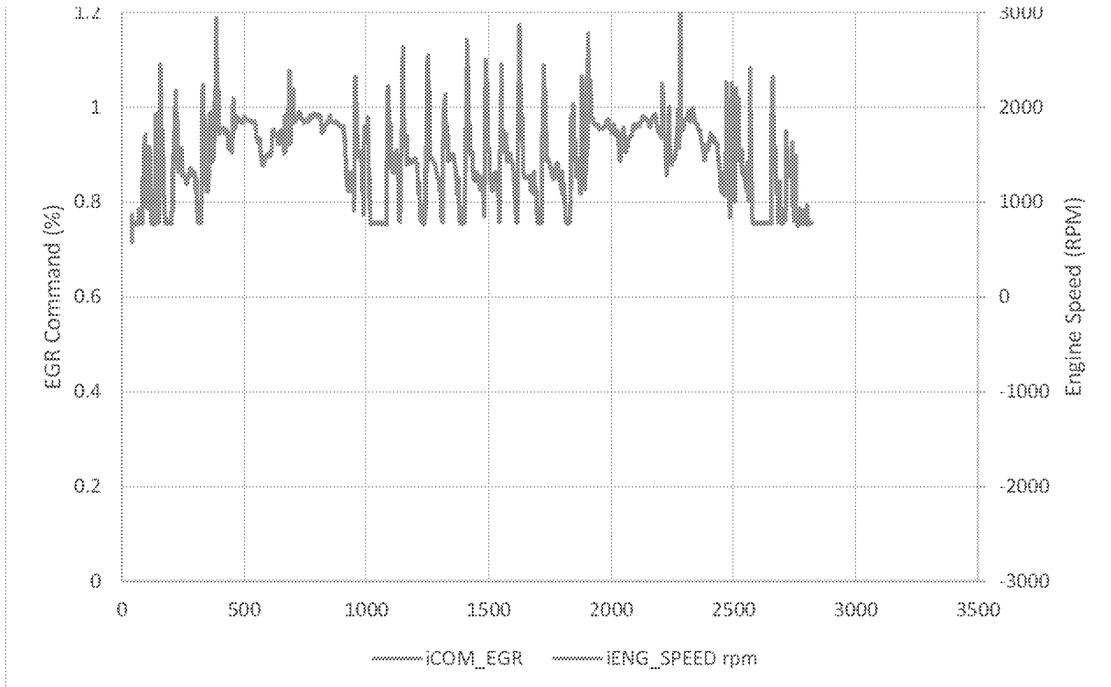

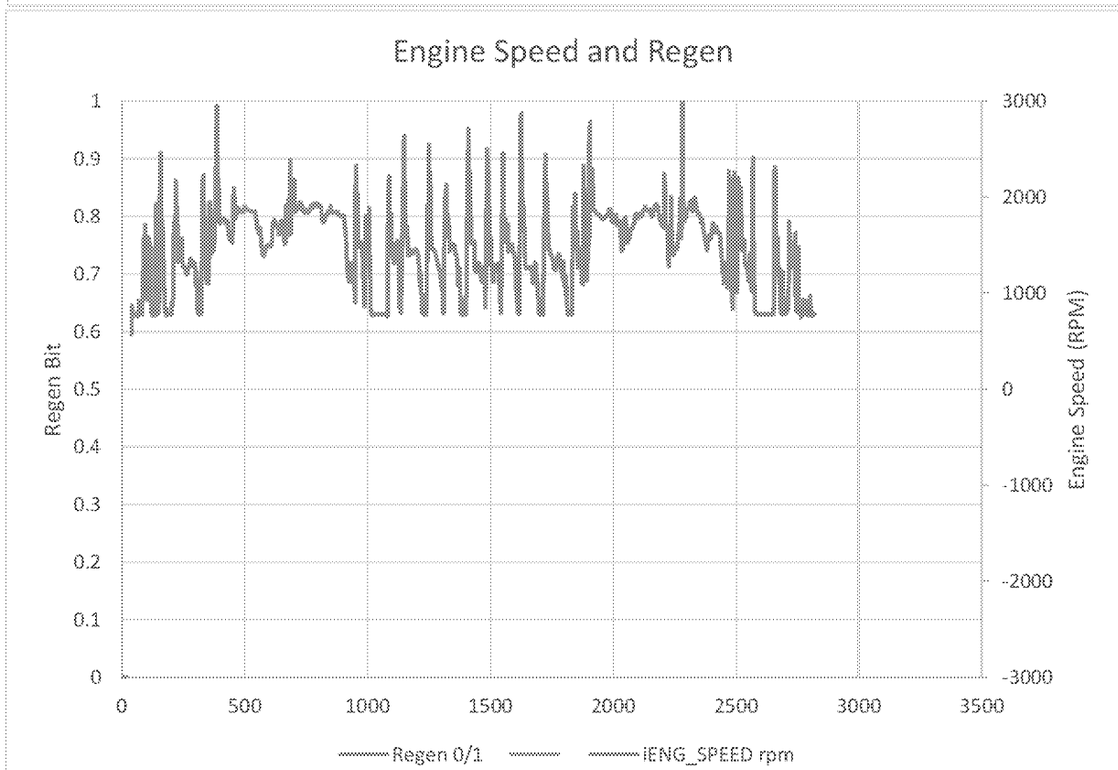

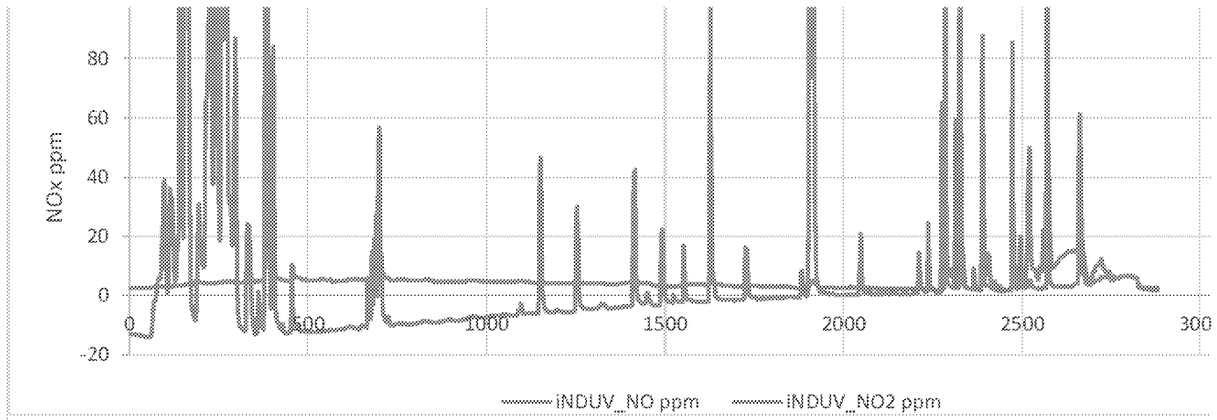

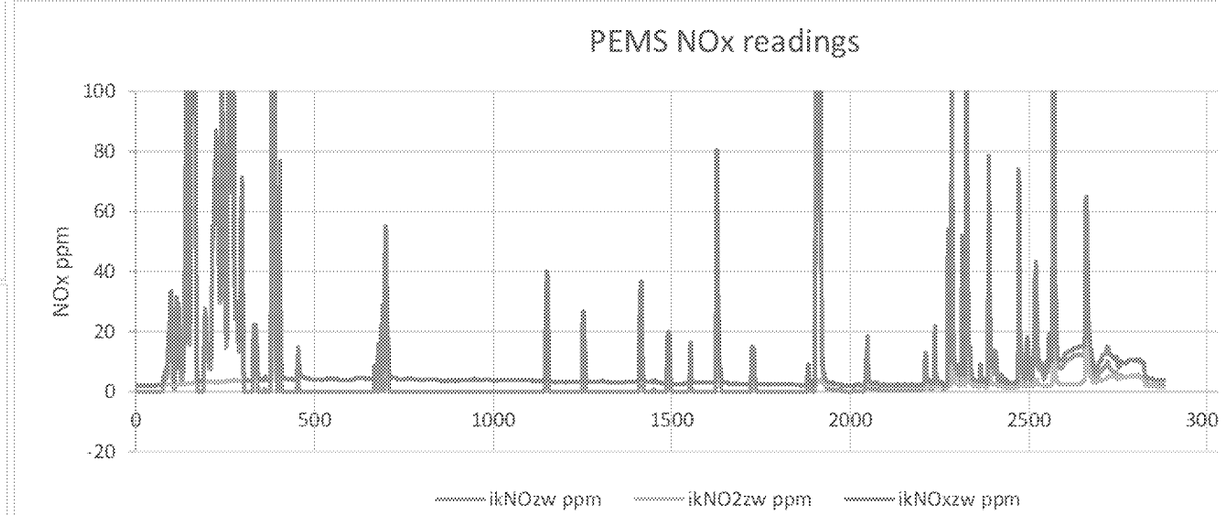

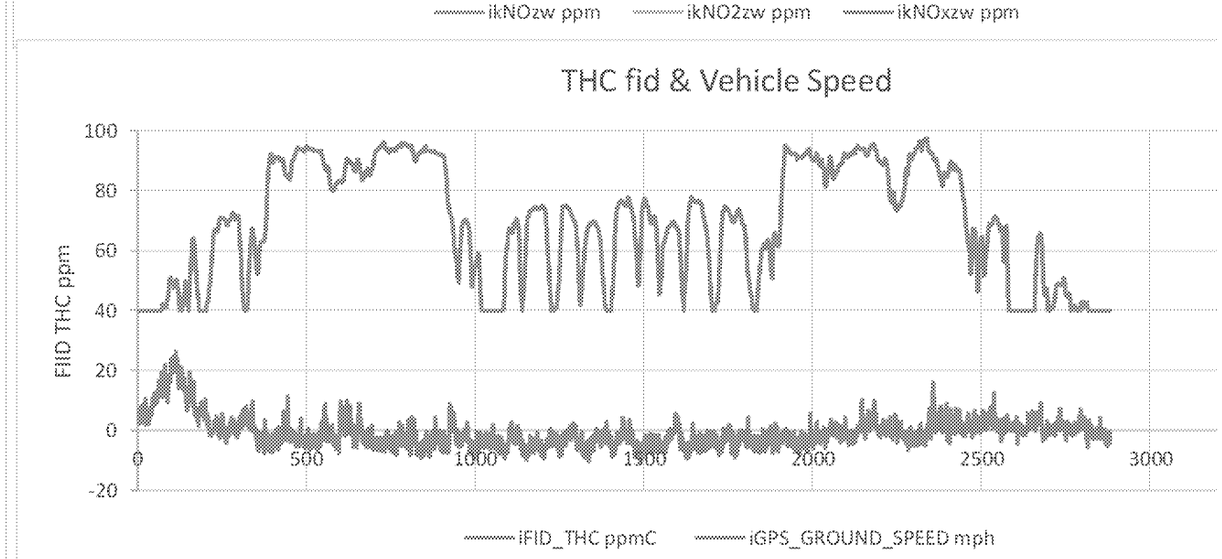

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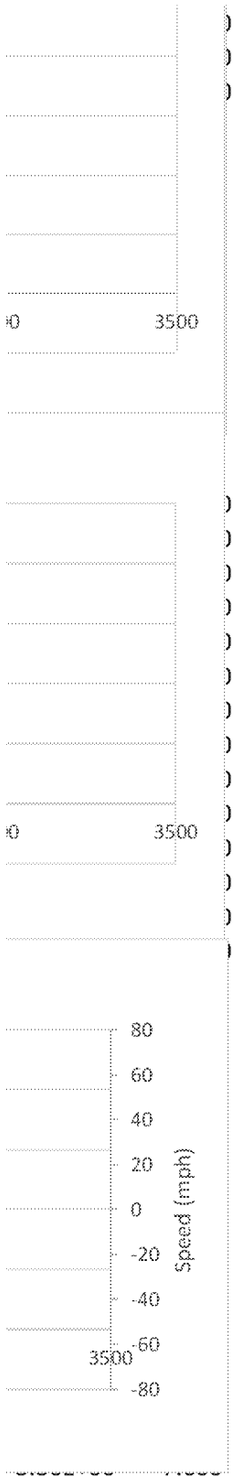

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		3.400	102.355	2.716	13.400		15.53797	916	10.355	19.5	190.779461	235.476829
		3.400	78.923	2.747	14.500		12.6405	887	9.095	51	188.245756	225.844291
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		3.400	49.150	2.801	11.600	167	12.00228	807	6.637	52	182.525	215.950396
		3.400	39.842	2.813	6.700	167	11.88523	796	3.561	55	180.787271	214.176413
		3.400	32.394	2.810	8.900	167	11.54908	780	2.735	60.4	185.579375	213.2
		3.400	25.454	2.796	7.300	167	11.84072	798	1.444	63.7	183.509028	214.107709
		3.500	20.966	2.860	8.300	167	12.39388	781	0.62	59.3	180.655502	215.405894
		3.500	17.435	2.837	11.600	167	16.00212	962	1.245	71.8	176.165385	217.537
		3.500	15.387	2.793	11.700	167	57.2545	1756	4.856	84.7	172.627684	246.537676
		3.500	26.187	2.736	11.500	167	62.06772	1992	9.002	69.6	180.282653	282.301031
		3.500	71.091	2.727	12.000	167	53.17905	1813	11.441	72	186.656093	300.157426
		3.500	107.670	2.725	19.500	167.2	58.66757	1945	13.922	73.7	177.021552	317.480931
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		3.600	103.961	2.781	19.300	168.7	107.6194	2282	19.33	79	184.703877	376.271579
		3.600	106.519	2.780	10.300	169.5	122.93551	2455	23.125	77.4	192.177679	409.08866
		3.700	119.089	2.840	13.000	170.2	111.75938	2207	26.782	77	193.191598	428.488322
		3.700	131.316	2.869	12.000		86.1315	2150	29.01	68.4	196.564301	432.608192
		3.700	131.402	2.885	9.700		41.40558	1739	30.249	60.6	197.208577	414.188
		3.700	121.832	2.902	12.900		31.12752	1723	30.43	71.2	196.746982	394.776459
		3.700	114.555	2.905	10.000		52.03967	1742	30.868	75.4	198.682848	393.4
		3.800	109.989	2.950	10.000		42.31737	1764	31.05	59.9	198.758824	391.238
		3.800	112.837	2.957	8.100	172.6	26.31452	1744	30.614	45.8	199.24898	375.762663
		3.800	116.306	2.981	12.200	172.9	26.23868	1703	29.931	25.1	215.85347	352.2
		3.800	105.349	3.025	14.800	173.3	27.56425	1644	29.211	6.9	216.238	324.41744
		3.800	83.419	3.091	16.000	173.7	51.55856	1575	27.946	2.2	212.734553	295.926174
		3.800	55.341	3.166	11.300	174.1	49.14718	1468	26.066	0	207.559708	268.270297
		3.800	33.580	3.200	5.500	174	41.40301	1271	22.381	0	203.122917	245.780942
		3.800	16.795	3.213	7.800	173.6	35.22093	1132	19.683	0.5	204.564706	229.204092
		3.800	6.985	3.218	5.000	173.2	22.57038	1020	16.586	1	201.528	217.763804
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		3.800	0.000	3.216	4.500	172.5	14.95	875	12.769	17.5	198.934161	205.612587
		3.800	0.000	3.214	7.000	172.4	13.49856	887	10.462	27.4	199.553138	206.087888
		3.900	0.000	3.279	5.800	172.4	12.33068	843	9.116	31.7	199.341268	205.610382
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		3.900	0.000	3.262	6.300	172.4	11.38554	769	2.985	57.6	204.362004	217.903861
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3.40E+00	-8.300	4.200	0.000	3.390	5.700		12.59909	778	0	55.3	215.212735	235.229412
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10:39:51.944	-13	0.00311	0	0.00255	5.45	0.000526	11.2
10:39:52.944	-13	0.00331	0.00001	0.00177	5.307	0.000512	12.6
10:39:53.944	-13	0.0039	0	0.00141	6.167	0.000595	15.5
10:39:54.944	-13	0.0046	0.00001	0.00193	7.616	0.000735	16.9
10:39:55.944	-13	0.00624	0	0.0043	10.642	0.001027	18.1
10:39:56.944	-13	0.00806	0.00001	0.00455	13.111	0.001265	19.7
10:39:57.944	-13	0.0083	0	0.00372	12.539	0.00121	21.7
10:39:58.944	-13	0.00896	0	0.00354	12.574	0.001213	24.1
10:39:59.944	-13	0.00865	0	0.00325	11.832	0.001141	26.4
10:40:00.944	-13	0.00843	0	0.00306	11.357	0.001095	29.2
10:40:01.944	-13	0.00926	0.00001	0.00298	11.625	0.001121	31.1
10:40:02.944	-13	0.00633	0	0.00163	7.303	0.000704	33.4
10:40:03.944	-13	0.00467	0.00003	0.00128	5.282	0.00051	34.5
10:40:04.944	-13	0.00364	0.00001	0.00187	4.34	0.000419	35.9
10:40:05.944	-13	0.00332	0.00004	0.00225	4.219	0.000408	35.9
10:40:06.944	-13	0.00239	0.00001	0.00126	3.089	0.000299	35.9
10:40:07.944	-13	0.00228	0.00002	0.00027	2.116	0.000205	35.5
10:40:08.944	-13	0.00223	0.00002	0.00064	1.763	0.000171	34.9
10:40:09.944	-13	0.00194	0.00001	0.00209	2.105	0.000204	34.9
10:40:10.944	-13	0.00164	0.00006	0.00222	2.711	0.000262	34.9

3.30E+00	-7.600	4.200	0.000	3.345	5.600		12.46704	778	0	55.4	218.052708	238.8
3.40E+00	-5.500	4.300	0.000	3.425	9.400		12.50974	792	0	54.8	218.292292	238.8
3.40E+00	-0.900	4.200	0.000	3.365	5.000		12.3743	778	0	55.1	218.186792	238.9548
9.10E+00	7.200	4.200	5.752	3.345	9.600		12.3658	779	0	55.3	218.829158	239.247638
1.62E+01	16.200	4.200	12.896	3.343	4.800		12.36365	778	0	55.6	218.241053	238.950311
2.27E+01	24.400	4.200	19.396	3.340	8.000		12.39555	777	0	56	220.323218	239.4
2.69E+01	29.600	4.200	23.560	3.340	6.000		12.42296	779	0	55.8	220.207054	239.4
2.78E+01	30.800	4.200	24.472	3.340	7.000		12.26113	779	0	55.7	220.522188	239.4
2.73E+01	30.100	4.200	23.943	3.340	6.900		12.37557	779	0	55.4	221.034719	239.243687
2.43E+01	26.300	4.200	20.949	3.339	5.800		12.2485	778	0	55.9	221.116946	238.8
2.17E+01	23.000	4.200	18.314	3.339	5.700		12.36	777	0	56.1	222.355215	238.610865
1.96E+01	20.400	4.200	16.221	3.338	3.700		12.32873	781	0	55.5	221.237857	238.267361
1.73E+01	17.500	4.200	13.909	3.358	8.500	172.4	12.46057	777	0	55.6	221.425152	238.623294
1.56E+01	15.400	4.200	12.229	3.339	5.000	172.4	12.24192	778	0	56	224.320192	238.1
1.46E+01	14.200	4.200	11.287	3.339	10.500	172.4	12.34195	779	0	56.2	221.484149	238.1
1.38E+01	13.200	4.200	10.511	3.338	5.700	172.4	13.63241	891	0.016	66.6	220.199251	238.526712
1.30E+01	12.200	4.200	9.681	3.338	5.000	172.4	15.24672	896	1.361	55.3	219.189266	239.99141
1.23E+01	11.200	4.200	8.932	3.337	4.600	172.4	13.82707	857	2.48	53.4	217.989808	240.15
1.14E+01	10.200	4.200	8.108	3.337	4.800	172.4	15.11697	910	3.11	56	219.112897	240.987846
1.11E+01	9.800	4.200	7.732	3.330	5.300	172.4	14.62878	908	3.73	53.1	218.925625	240.744549
1.09E+01	9.600	4.200	7.606	3.328	1.400	172.4	14.35513	942	3.73	67	218.442945	239.553746
1.08E+01	9.400	4.200	7.478	3.331	4.800	172.5	24.14938	1331	5.043	83	219.317547	244.934118
1.07E+01	9.300	4.200	7.392	3.328	2.200	172.9	32.60586	1544	6.529	63.6	220.874953	254.25098
1.08E+01	9.600	4.100	7.557	3.231	3.600	173.3	42.46911	1671	8.366	65.2	223.863271	265.302453
1.59E+01	16.100	4.100	12.688	3.226	0.700	173.6	37.844	1575	9.94	76	226.345418	277.125612
2.71E+01	30.400	4.100	23.898	3.221	0.500	174	41.51609	1649	11.559	72.2	229.953061	287.893187
4.07E+01	47.800	4.100	37.441	3.214	-0.400	174.2	42.89856	1738	13.556	70.4	239.431105	298.304176
4.96E+01	59.200	4.100	46.347	3.211	-1.600	174.2	40.585	1675	14.3	75	250.2005	306.421872
5.43E+01	65.200	4.100	51.079	3.211	0.400	174.2	38.12622	1610	15.696	77.9	260.138077	310.071527
5.54E+01	66.700	4.100	52.174	3.208	0.000	174.2	46.19408	1691	17.101	75.3	268.580718	317.834494
5.51E+01	66.600	4.100	51.945	3.197	0.600	174.2	51.75635	1821	18.374	72.9	274.975047	330.417059
5.57E+01	67.600	4.100	52.542	3.185	-1.800	174.5	67.05826	1980	20.544	75.8	284.694906	348.261426
5.97E+01	72.900	4.100	56.500	3.178	0.200	174.9	87.84515	2177	22.367	71.3	295.244592	371.708012
6.49E+01	79.600	4.100	61.677	3.176	-0.900	175.2	90.45485	2121	25.114	73.4	298.973006	391.774566
7.04E+01	87.000	4.000	67.322	3.116	0.000	175.6	81.08676	2047	27.9	79.1	311.901653	410.026033
7.38E+01	91.600	4.000	70.708	3.089	0.000	176	78.74333	1856	29.825	74.6	318.79405	423.399779
7.63E+01	95.000	4.000	73.200	3.083	-0.500		70.1395	1804	31.763	80.8	325.993762	431.912805
8.38E+01	105.000	4.000	80.716	3.075	0.400		69.46557	1897	33.245	75.7	333.494615	438.40989
8.70E+01	108.600	4.000	83.898	3.091	-0.700		58.7409	1850	34.52	68.4	332.858452	430.512245
8.15E+01	100.700	4.000	78.423	3.117	1.600		24.44092	1655	34.78	60.7	319.188766	409.938552
7.11E+01	86.500	4.000	67.925	3.140	0.800		33.60729	1391	34.78	72.9	312.226291	392.67992
6.34E+01	76.400	4.000	60.250	3.154	2.800	179.9	39.22815	1346	34.16	17.3	306.505629	374.361287
5.90E+01	70.500	4.000	55.820	3.167	1.000	180.3	25.26491	1329	33.53	43.4	288.65707	347.931858
6.00E+01	70.200	4.000	56.743	3.233	1.500	180.7	23.33073	1321	33.53	54.2	279.265289	334.772472
5.94E+01	68.900	4.000	56.126	3.260	1.800	181	23.61933	1323	33.53	58.4	276.521118	329.802198
5.03E+01	58.200	4.000	47.053	3.236	0.600	181.4	24.28862	1330	33.53	58.4	260.44717	326.488319
4.15E+01	48.000	4.000	38.289	3.191	4.600	181.4	25.03	1328	33.53	59.4	256.467098	324.242857

0.23171	0.02133	0.16646	347.643
0.23178	0.02139	0.16702	349.012
0.23185	0.02142	0.16758	350.379
0.23203	0.02148	0.16814	351.74
0.23235	0.02151	0.16883	353.111
0.2328	0.02156	0.16956	354.503
0.23333	0.0216	0.17023	355.894
0.23388	0.02164	0.1709	357.295
0.23442	0.02168	0.17158	358.707
0.2349	0.02171	0.17226	360.121
0.23533	0.02174	0.17294	361.545
0.23572	0.02176	0.17347	362.97
0.23606	0.02181	0.1739	364.382
0.23636	0.02184	0.17457	365.785
0.23664	0.0219	0.17523	367.178
0.23694	0.02194	0.17597	368.736
0.23725	0.02198	0.17678	370.429
0.23753	0.02201	0.17757	372.09
0.2378	0.02204	0.17839	373.806
0.23806	0.02208	0.17917	375.536
0.23834	0.02209	0.1799	377.45
0.23874	0.02214	0.18097	380.22
0.23929	0.02217	0.18261	384.063
0.23992	0.02223	0.18429	388.758
0.24087	0.02224	0.18564	393.67
0.24259	0.02225	0.1872	398.989
0.24529	0.02225	0.19012	404.68
0.2484	0.02225	0.19267	410.13
0.25171	0.02226	0.19444	415.437
0.25561	0.02226	0.19585	421.604
0.26021	0.02227	0.19778	429.22
0.26645	0.02227	0.20208	439.862
0.27451	0.02228	0.20663	452.973
0.28281	0.02228	0.21035	465.512
0.29177	0.02228	0.21389	478.086
0.30042	0.02228	0.21714	489.918
0.30885	0.02228	0.2202	501.275
0.31811	0.02229	0.22318	512.9
0.32444	0.02229	0.22481	520.203
0.32911	0.02232	0.22609	525.485
0.33275	0.02233	0.22796	529.825
0.33607	0.02237	0.23021	534.044
0.33846	0.02238	0.23147	537.133
0.34074	0.0224	0.23174	539.249
0.34297	0.02242	0.23238	541.012
0.34491	0.02243	0.23447	543.117
0.34655	0.02249	0.23669	545.828

10:40:11.944	-13	0.00153	0.00001	0.002	3.394	0.000328	34.9
10:40:12.944	-13	0.00163	0.00004	0.00181	4.078	0.000394	34.9
10:40:13.944	-13	0.00189	0	0.00164	4.946	0.000478	35.1
10:40:14.944	-13	0.00237	0.00004	0.00184	6.024	0.000582	35.4
10:40:15.944	-13	0.00388	0	0.00285	6.707	0.000647	36.1
10:40:16.944	-13	0.00583	0	0.00269	7.033	0.000679	36.9
10:40:17.944	-13	0.00675	0	0.00229	6.682	0.000645	37.8
10:40:18.944	-13	0.00686	0	0.00212	6.272	0.000605	38.8
10:40:19.944	-13	0.00665	0.00001	0.00195	6.166	0.000595	39.5
10:40:20.944	-13	0.00469	0	0.00213	4.572	0.000441	40.4
10:40:21.944	-13	0.00346	0	0.00136	3.474	0.000335	40.9
10:40:22.944	-13	0.003	0	0.00081	2.953	0.000285	41.5
10:40:23.944	-13	0.00254	0.00004	0.00073	2.443	0.000236	41.4
10:40:24.944	-13	0.00214	0.00004	0.00098	2.189	0.000212	41.3
10:40:25.944	-13	0.00176	0.00003	0.00113	2.205	0.000213	41.2
10:40:26.944	-13	0.0014	0.00003	0.00117	2.27	0.00022	41.1
10:40:27.944	-13	0.00113	0.00001	0.00137	2.472	0.000239	41.1
10:40:28.944	-13	0.00096	0.00006	0.00138	2.86	0.000277	41.2
10:40:29.944	-13	0.00086	0	0.00119	3.315	0.00032	41.2
10:40:30.944	-13	0.00087	0.00006	0.00127	4.042	0.00039	41.1
10:40:31.944	-13	0.00099	0	0.00212	5.06	0.000489	40.8
10:40:32.944	-13	0.0013	0.00001	0.00173	5.995	0.000578	40.5
10:40:33.944	-13	0.00275	0	0.0023	6.626	0.000639	40.5
10:40:34.944	-13	0.00517	0	0.00219	6.565	0.000633	40.4
10:40:35.944	-13	0.00664	0	0.00173	5.833	0.000563	40.4
10:40:36.944	-13	0.00631	0	0.0014	4.653	0.000449	40.3
10:40:37.944	-13	0.00584	0.00001	0.00142	4.053	0.000391	39.9
10:40:38.944	-13	0.00507	0	0.00077	3.874	0.000374	39.4
10:40:39.944	-13	0.00416	0.00001	0.00091	3.909	0.000377	39
10:40:40.944	-13	0.00371	0	0.00149	4.34	0.000419	38.4
10:40:41.944	-13	0.00367	0	0.00184	4.953	0.000478	38.2
10:40:42.944	-13	0.00383	0	0.00165	5.704	0.00055	37.9
10:40:43.944	-13	0.00511	0	0.00125	6.054	0.000584	38
10:40:44.944	-13	0.00712	0	0.00125	5.948	0.000573	38.2
10:40:45.944	-13	0.00915	0	0.00148	5.786	0.000558	38.6
10:40:46.944	-13	0.00964	0.00001	0.00147	5.44	0.000525	39
10:40:47.944	-13	0.00769	0	0.00117	4.297	0.000414	39.5
10:40:48.944	-13	0.00559	0.00001	0.00087	3.193	0.000308	40.2
10:40:49.944	-13	0.0049	0	0.00075	2.808	0.000271	40.3
10:40:50.944	-13	0.00463	0.00001	0.00101	2.82	0.000272	40.4
10:40:51.944	-13	0.00387	0.00003	0.00151	3.262	0.000315	40.6
10:40:52.944	-13	0.00304	0.00003	0.00144	3.94	0.000381	40.9
10:40:53.944	-13	0.00234	0.00004	0.00109	4.354	0.00042	41.3
10:40:54.944	-13	0.00176	0.00005	0.00089	4.384	0.000423	41.7
10:40:55.944	-13	0.00151	0.00006	0.00114	4.335	0.000419	42.1
10:40:56.944	-13	0.00142	0	0.00139	4.345	0.00042	42.5
10:40:57.944	-13	0.00128	0.00004	0.00131	4.019	0.000388	42.9

3.53E+01	40.700	4.000	32.133	3.161	0.700
3.29E+01	37.800	4.000	29.750	3.148	3.000
3.26E+01	37.500	4.100	29.426	3.196	0.000
3.59E+01	42.000	4.100	32.752	3.197	1.800
5.60E+01	68.200	4.100	52.869	3.179	-0.700
8.18E+01	101.600	4.100	78.657	3.173	0.200
9.84E+01	122.900	4.100	95.250	3.177	-0.400
1.03E+02	128.500	4.100	99.927	3.187	-2.100
1.02E+02	126.500	4.100	98.392	3.188	0.500
9.65E+01	120.000	4.200	93.282	3.244	-2.700
9.16E+01	113.300	4.200	88.314	3.273	0.000
8.66E+01	106.100	4.200	83.261	3.296	-0.800
7.71E+01	93.000	4.200	73.781	3.332	3.700
6.60E+01	78.400	4.200	62.650	3.354	3.600
5.36E+01	62.900	4.200	50.259	3.356	3.500
4.15E+01	47.600	4.300	38.053	3.414	2.500
3.21E+01	36.000	4.300	28.704	3.425	1.300
2.54E+01	27.800	4.300	21.983	3.406	5.300
2.10E+01	22.300	4.300	17.598	3.388	0.200
1.85E+01	19.300	4.300	15.145	3.370	4.500
1.78E+01	18.400	4.400	14.378	3.433	0.000
2.13E+01	23.000	4.500	17.814	3.484	0.800
4.32E+01	51.700	4.400	39.807	3.407	-1.500
8.34E+01	104.200	4.400	80.024	3.380	-1.100
1.18E+02	148.800	4.400	114.551	3.388	-1.300
1.32E+02	165.800	4.500	128.518	3.467	-3.400
1.32E+02	164.100	4.500	128.002	3.509	0.400
1.17E+02	145.200	4.500	113.412	3.516	-1.600
9.67E+01	119.400	4.600	93.136	3.589	0.700
8.06E+01	99.100	4.600	77.027	3.576	-4.200
7.28E+01	89.400	4.600	69.217	3.562	-1.100
7.01E+01	86.500	4.600	66.562	3.540	-2.500
8.99E+01	112.500	4.600	86.395	3.532	-1.200
1.26E+02	159.200	4.600	122.411	3.537	-1.900
1.63E+02	207.300	4.600	159.728	3.544	-2.300
1.81E+02	230.300	4.600	177.611	3.548	0.700
1.82E+02	230.500	4.700	177.901	3.608	-1.600
1.70E+02	214.400	4.700	166.264	3.644	0.800
1.50E+02	187.100	4.700	146.690	3.685	-0.800
1.28E+02	157.300	4.700	124.350	3.716	1.200
9.53E+01	116.100	4.700	91.563	3.707	2.800
6.84E+01	82.800	4.700	64.738	3.676	2.200
4.95E+01	58.800	4.800	45.824	3.722	3.100
3.61E+01	41.500	4.800	32.386	3.749	3.600
3.06E+01	34.300	4.800	26.847	3.757	4.300
2.84E+01	31.500	4.800	24.665	3.760	0.000
2.77E+01	30.700	4.700	24.023	3.683	3.000

181.4	26.30192	1330	33.53	62.8	257.652358	322.773529
181.4	31.11214	1342	34.16	74.6	248.143878	324.410369
181.4	38.84	1371	34.78	80.1	242.224656	332.649297
181.4	43.55852	1401	35.583	74.3	243.392937	345.952606
181.4	43.76207	1434	36.219	75.3	238.28648	358.022907
181.4	44.38	1467	37.26	76.5	240.993856	367.319198
181.4	42.61595	1497	37.88	74.6	237.236842	372.05595
181.4	41.7369	1532	39.011	74	250.90332	374.088779
	42.30316	1559	39.605	74.3	249.207812	376.339177
	34.04888	1574	40.214	62.4	248.337263	375.632347
	23.74138	1437	39.74	48.9	247.332222	357.696127
	19.83347	1294	39.74	47.7	249.168814	342.894382
	19.61832	1289	39.74	43.1	246.901829	331.401868
183.2	20.16	1288	39.74	42.1	245.80574	322.586957
183.2	20.46257	1285	39.74	53.8	251.763095	316.390719
183.2	21.60044	1289	39.74	59.6	254.22113	314.00367
183.2	22.20941	1291	39.74	58.3	255.9	312.6
183.2	23.73709	1291	39.74	65.5	254.894538	312.871782
183.2	26.25669	1284	39.74	70.9	255.696115	317.240275
183.2	29.00425	1280	39.12	79.3	255.874845	320.162133
183.2	38.214	1271	39.12	85.1	263.487876	329.349495
183.2	40.19875	1270	39.12	82.5	288.731392	347.423454
183.2	39.58873	1269	39.12	81.7	301.629865	361.340724
183.5	38.87616	1266	39.12	76	307.956226	368.925631
183.9	30.25539	1256	38.5	73.3	308.946735	369.083498
184.3	28.321	1238	38.069	74.4	301.2604	363.796803
184.6	27.19863	1221	37.465	79.5	297.528381	359.322553
185	27.2753	1209	37.26	80	293.965769	357.6
	27.53015	1200	36.64	79.3	294.798295	357.975446
	28.97023	1189	36.64	82.2	297.225425	359.855686
	34.048	1188	36.64	86.1	299.921212	366.125994
	36.34166	1197	36.64	80.8	303.755192	374.462512
	36.93443	1204	37.26	78.9	309.174859	379.945882
	36.38928	1213	37.26	78.1	314.304628	383.210365
	36.01025	1234	37.88	79.4	318.723352	384.960529
	34.37459	1249	38.5	76.6	321.255206	384.715822
	24.94464	1263	39.12	43.1	319.587058	375.782387
	19.24059	1268	39.12	47	311.507085	361.142023
185	19.88234	1271	39.12	66.9	303.091667	350.903226
185	23.79401	1279	39.12	75.9	293.405283	346.652747
185	26.29768	1289	39.74	70.7	280.234737	345.759663
185	27.89672	1303	40.37	65.8	268.577966	344.33587
185	29.38411	1315	40.37	66.2	263.006188	343.395212
185	30.3896	1327	40.99	67.2	265.045731	342.615738
185	30.39351	1344	41.61	67.4	265.941267	342.5
185	31.84462	1356	41.61	68.5	265.099361	343.198569
185	30.53611	1363	42.086	56.7	271.533056	343.3

0.34808	0.0225	0.23869	549.222
0.34971	0.02254	0.2405	553.3
0.3516	0.02254	0.24214	558.246
0.35397	0.02258	0.24398	564.27
0.35785	0.02258	0.24683	570.977
0.36368	0.02258	0.24952	578.01
0.37043	0.02258	0.25181	584.692
0.37729	0.02258	0.25393	590.964
0.38394	0.02259	0.25588	597.13
0.38863	0.02259	0.25801	601.702
0.39209	0.02259	0.25937	605.176
0.39509	0.02259	0.26018	608.129
0.39763	0.02263	0.26091	610.572
0.39977	0.02267	0.26189	612.761
0.40153	0.0227	0.26302	614.966
0.40293	0.02273	0.26419	617.236
0.40406	0.02274	0.26556	619.708
0.40502	0.0228	0.26694	622.568
0.40588	0.0228	0.26813	625.883
0.40675	0.02286	0.2694	629.925
0.40774	0.02286	0.27152	634.985
0.40904	0.02287	0.27325	640.98
0.41179	0.02287	0.27555	647.606
0.41696	0.02287	0.27774	654.171
0.4236	0.02287	0.27947	660.004
0.42991	0.02287	0.28087	664.657
0.43575	0.02288	0.28229	668.71
0.44082	0.02288	0.28306	672.584
0.44498	0.02289	0.28397	676.493
0.44869	0.02289	0.28546	680.833
0.45236	0.02289	0.2873	685.786
0.45619	0.02289	0.28895	691.49
0.4613	0.02289	0.2902	697.544
0.46842	0.02289	0.29145	703.492
0.47757	0.02289	0.29293	709.278
0.48721	0.0229	0.2944	714.718
0.4949	0.0229	0.29557	719.015
0.50049	0.02291	0.29644	722.208
0.50539	0.02291	0.29719	725.016
0.51002	0.02292	0.2982	727.836
0.51389	0.02295	0.29971	731.098
0.51693	0.02298	0.30115	735.038
0.51927	0.02302	0.30224	739.392
0.52103	0.02307	0.30313	743.776
0.52254	0.02313	0.30427	748.111
0.52396	0.02313	0.30566	752.456
0.52524	0.02317	0.30697	756.475

10:40:58.944	-13	0.00106	0	0.00108	3.273	0.000316	43.3
10:40:59.944	-13	0.00101	0.00001	0.0011	2.941	0.000284	43.4
10:41:00.944	-13	0.00116	0.00002	0.00128	2.896	0.00028	43.5
10:41:01.944	-13	0.00129	0.00004	0.00137	3.29	0.000318	43.1
10:41:02.944	-13	0.00124	0.00005	0.00258	3.999	0.000386	42.6
10:41:03.944	-13	0.00102	0.00001	0.00168	4.419	0.000427	42.3
10:41:04.944	-13	0.00086	0.00001	0.00135	4.411	0.000426	41.9
10:41:05.944	-13	0.00079	0	0.00145	4.212	0.000407	41.5
10:41:06.944	-13	0.00079	0.00003	0.00159	4.19	0.000405	41.1
10:41:07.944	-13	0.00087	0	0.00164	4.316	0.000417	40.9
10:41:08.944	-13	0.00102	0.00002	0.00171	4.618	0.000446	40.6
10:41:09.944	-13	0.00122	0	0.00134	5.06	0.000488	40.6
10:41:10.944	-13	0.00165	0	0.00127	5.61	0.000541	40.7
10:41:11.944	-13	0.00246	0	0.00154	5.909	0.00057	41.1
10:41:12.944	-13	0.00287	0	0.00167	5.142	0.000496	41.5
10:41:13.944	-13	0.0026	0.00002	0.00128	3.85	0.000372	41.8
10:41:14.944	-13	0.00359	0	0.00143	4.455	0.00043	42.1
10:41:15.944	-13	0.00432	0.00005	0.00098	4.448	0.00043	41.7
10:41:16.944	-13	0.00339	0	0.00008	2.795	0.00027	41.1
10:41:17.944	-13	0.00209	0.00006	0.0001	1.176	0.000114	40.2
10:41:18.944	-13	0.00115	0.00001	0.00086	0.626	0.000061	39.1
10:41:19.944	-13	0.00047	0.00003	0.00124	0.414	0.00004	35.6
10:41:20.944	-13	0.00024	0.00007	0.00167	0.382	0.000037	31.3
10:41:21.944	-13	0.00021	0.00003	0.00205	0.346	0.000034	29
10:41:22.944	-13	0.00022	0.0001	0.00224	0.311	0.000031	26.1
10:41:23.944	-13	0.00018	0.00001	0.00184	0.199	0.000022	24.3
10:41:24.944	-13	0.00014	0.00006	0.00136	0.123	0.000016	22.2
10:41:25.944	-13	0.00009	0.00001	0.00092	0.081	0.000011	18.8
10:41:26.944	-13	0.00008	0.00003	0.0007	0.094	0.00001	14.7
10:41:27.944	-13	0.00008	0.00004	0.00054	0.122	0.000012	12.2
10:41:28.944	-13	0.00007	0.00004	0.00055	0.156	0.000015	9.2
10:41:29.944	-13	0.00007	0.00004	0.00069	0.197	0.000019	6.7
10:41:30.944	-13	0.00007	0.00001	0.00086	0.271	0.000026	3.7
10:41:31.944	-13	0.00007	0.00003	0.00092	0.351	0.000034	2.8
10:41:32.944	-13	0.00007	0.00001	0.00082	0.491	0.000048	1.8
10:41:33.944	-13	0.00007	0.00003	0.00098	0.677	0.000066	1
10:41:34.944	-13	0.00007	0.00003	0.00097	0.864	0.000084	0
10:41:35.944	-13	0.00007	0.00004	0.00087	1.019	0.000099	0
10:41:36.944	-13	0.00007	0.00004	0.00074	1.09	0.000106	0
10:41:37.944	-13	0.00007	0.00004	0.00056	1.125	0.000109	0
10:41:38.944	-13	0.00007	0.00005	0.00047	1.143	0.000111	0
10:41:39.944	-13	0.00007	0.00003	0.00072	1.149	0.000111	0
10:41:40.944	-13	0.00008	0.00004	0.00088	1.259	0.000122	0
10:41:41.944	-13	0.00011	0.00004	0.00118	1.827	0.000177	0.3
10:41:42.944	-13	0.00023	0.00013	0.00264	4.005	0.000388	0.7
10:41:43.944	-13	0.00036	0.00007	0.00548	7.606	0.000736	3.1
10:41:44.944	-13	0.00041	0.00007	0.00415	10.059	0.000972	6

2.77E+01	30.600	4.700	24.004	3.687	0.100
2.83E+01	31.400	4.600	24.714	3.620	1.300
2.95E+01	32.600	4.600	25.860	3.653	2.000
2.95E+01	32.700	4.600	25.881	3.646	2.700
2.60E+01	28.600	4.600	22.432	3.614	3.500
2.09E+01	22.200	4.600	17.347	3.590	0.500
1.77E+01	18.100	4.600	14.147	3.588	0.700
1.68E+01	16.900	4.600	13.176	3.596	-1.000
1.67E+01	16.800	4.600	13.139	3.598	2.000
1.78E+01	18.200	4.600	14.233	3.598	0.200
2.02E+01	21.300	4.600	16.588	3.589	1.000
2.28E+01	24.700	4.600	19.211	3.578	-0.100
2.88E+01	32.600	4.600	25.243	3.564	-0.800
4.25E+01	50.500	4.600	38.937	3.549	-0.300
5.71E+01	69.400	4.600	53.519	3.549	-2.400
6.68E+01	81.800	4.500	63.351	3.484	1.700
7.14E+01	86.800	4.500	67.887	3.520	-1.500
6.74E+01	80.000	4.500	63.795	3.590	2.500
5.26E+01	59.700	4.500	48.893	3.683	-1.300
3.47E+01	36.900	4.500	30.933	3.769	3.200
2.06E+01	19.900	4.400	16.818	3.738	0.800
9.40E+00	6.800	4.300	5.762	3.663	1.700
4.20E+00	0.700	4.300	0.579	3.644	4.500
3.60E+00	-3.700	4.300	0.000	3.647	1.700
3.70E+00	-6.000	4.300	0.000	3.650	5.300
3.60E+00	-7.300	4.300	0.000	3.645	0.600
3.60E+00	-8.700	4.300	0.000	3.645	5.000
3.60E+00	-9.800	4.300	0.000	3.645	0.800
3.60E+00	-10.400	4.300	0.000	3.645	4.800
3.60E+00	-10.700	4.300	0.000	3.648	5.700
3.60E+00	-10.800	4.300	0.000	3.641	5.900
3.60E+00	-11.000	4.300	0.000	3.633	6.600
3.60E+00	-11.100	4.300	0.000	3.620	2.300
3.70E+00	-11.200	4.400	0.000	3.668	5.200
3.70E+00	-11.300	4.400	0.000	3.664	1.400
3.60E+00	-11.400	4.400	0.000	3.631	5.900
3.60E+00	-11.400	4.400	0.000	3.598	5.200
3.60E+00	-11.400	4.400	0.000	3.572	7.600
3.60E+00	-11.400	4.400	0.000	3.560	7.300
3.60E+00	-11.400	4.500	0.000	3.634	7.500
3.60E+00	-11.600	4.500	0.000	3.632	8.100
3.60E+00	-11.800	4.500	0.000	3.630	5.600
3.60E+00	-11.900	4.500	0.000	3.629	6.000
3.60E+00	-11.900	4.500	0.000	3.627	4.000
3.60E+00	-11.900	4.500	0.000	3.617	6.500
3.60E+00	-11.600	4.500	0.000	3.566	2.500
3.50E+00	-4.400	4.500	0.000	3.531	2.100

185	22.39808	1363	42.23	47.9	270.399598	334.329843
185	21.4046	1356	41.61	59.1	268.110204	327.110107
185	24.63925	1341	41.097	70.5	272.481633	325.803808
185	28.45942	1324	40.99	75.1	285.030827	331.200334
185	30.02008	1315	40.37	73.4	294.316929	334.10033
185	29.95672	1300	40.124	74.8	295.1275	335.842383
185	30.3611	1291	39.74	75.3	295.138037	337.680334
185	29.69965	1277	39.12	75.9	293.910433	338.563861
185	29.45169	1275	39.12	76.4	294.846234	340.248333
185	30.65438	1279	39.12	76.8	303.398958	342.786261
185	33.85042	1285	39.74	78.2	304.336792	347.285016
185	36.5534	1289	39.74	80.8	309.986058	355.728529
185	37.49298	1300	39.74	81.2	314.47635	364.27954
185	37.89977	1311	40.37	77.5	299.898462	370.703719
185	31.07197	1320	40.99	67.4	303.368396	369.765686
185	23.27783	1309	40.37	45.6	301.540835	360.60549
185	31.22642	1291	39.74	20.9	287.408696	343.646087
185	42.40249	1261	38.732	0	275.506667	319.458947
185	42.17625	1233	37.975	0	276.493	292.705572
	38.87667	1162	35.751	0.7	274.214792	269.842939
	26.81602	1171	30.826	1	272.624532	253.408416
	34.27624	1084	27.629	1.5	272.892437	241.147059
	36.2709	1209	25.566	1.6	269.799387	231.139625
	36.41926	1124	23.238	0.2	270.276091	223.003232
	41.21404	1226	21.887	0	270.87596	216.033138
	34.39587	1071	18.56	3.7	272.213636	208.57874
	20.77665	974	14.91	10.5	274.253222	203.970588
	14.6579	826	11.495	18.4	270.394167	201.787083
	13.67752	845	9.013	27.8	270.592083	204.087612
183	12.34401	792	6.094	41.7	270.247887	204.862537
182.6	12.73548	793	3.319	54.3	273.162992	210.135146
182.2	12.17692	785	2.48	53.4	257.113333	215.251364
181.9	12.59698	795	1.679	52.9	255.026141	221.539335
181.5	12.38	778	0.62	51.5	253.671579	226.820025
181.4	12.63356	780	0.62	50.2	257.893642	230.800215
181.4	12.51531	776	0	50.2	259.028764	233.903497
181.4	12.54258	783	0	49.8	260.924016	236.005937
181.4	12.46645	781	0	49.8	268.766219	238.172174
181.4	12.52438	778	0	50	268.430769	239.218018
181.4	12.54592	779	0	50.6	271.917816	239.864667
181.4	12.48229	777	0	50.6	274.340377	240.513641
181.4	12.65282	782	0	50.2	275.349796	241.218571
181.4	13.21872	870	0	51.1	274.296241	242.339296
181.4	17.11554	1036	1.575	66.7	274.068679	245.325298
181.4	39.35025	1512	4.732	82.9	274.921965	259.452695
181.4	68.26244	2007	8.279	66.6	277.858	294.344939
181.4	75.37946	2031	11.951	70.2	280.057829	322.335

0.5263	0.02317	0.30805	759.748
0.52731	0.02318	0.30915	762.689
0.52847	0.0232	0.31043	765.585
0.52976	0.02324	0.3118	768.875
0.531	0.02329	0.31438	772.874
0.53202	0.0233	0.31606	777.293
0.53288	0.02331	0.31741	781.704
0.53367	0.02331	0.31886	785.916
0.53446	0.02334	0.32045	790.106
0.53533	0.02334	0.32209	794.422
0.53635	0.02336	0.3238	799.04
0.53757	0.02336	0.32514	804.1
0.53922	0.02336	0.32641	809.71
0.54168	0.02336	0.32795	815.619
0.54455	0.02336	0.32962	820.761
0.54715	0.02338	0.3309	824.611
0.55074	0.02338	0.33233	829.066
0.55506	0.02343	0.33331	833.514
0.55845	0.02343	0.33339	836.309
0.56054	0.02349	0.33349	837.485
0.56169	0.0235	0.33435	838.111
0.56216	0.02353	0.33559	838.525
0.5624	0.0236	0.33726	838.907
0.56261	0.02363	0.33931	839.253
0.56283	0.02373	0.34155	839.564
0.56301	0.02374	0.34339	839.763
0.56315	0.0238	0.34475	839.886
0.56324	0.02381	0.34567	839.967
0.56332	0.02384	0.34637	840.061
0.5634	0.02388	0.34691	840.183
0.56347	0.02392	0.34746	840.339
0.56354	0.02396	0.34815	840.536
0.56361	0.02397	0.34901	840.807
0.56368	0.024	0.34993	841.158
0.56375	0.02401	0.35075	841.649
0.56382	0.02404	0.35173	842.326
0.56389	0.02407	0.3527	843.19
0.56396	0.02411	0.35357	844.209
0.56403	0.02415	0.35431	845.299
0.5641	0.02419	0.35487	846.424
0.56417	0.02424	0.35534	847.567
0.56424	0.02427	0.35606	848.716
0.56432	0.02431	0.35694	849.975
0.56443	0.02435	0.35812	851.802
0.56466	0.02448	0.36076	855.807
0.56502	0.02455	0.36624	863.413
0.56543	0.02462	0.37039	873.472

10:41:45.944	-13	0.00142	0.0001	0.00257	11.288	0.00109	9.3
10:41:46.944	-13	0.00223	0.00003	0.00244	11.388	0.001099	13.3
10:41:47.944	-13	0.00281	0.00017	0.0029	12.252	0.001182	16.2
10:41:48.944	-13	0.00305	0.00008	0.00305	12.984	0.001253	19.8
10:41:49.944	-13	0.00272	0.00014	0.00272	11.619	0.001121	22.3
10:41:50.944	-13	0.00262	0.00003	0.00266	11.532	0.001113	25.4
10:41:51.944	-13	0.00217	0.00007	0.00222	9.929	0.000958	27.6
10:41:52.944	-13	0.0024	0	0.0035	11.31	0.001091	30.3
10:41:53.944	-13	0.00246	0.00011	0.00382	11.972	0.001155	31.9
10:41:54.944	-13	0.00146	0.00005	0.0022	6.782	0.000654	33.9
10:41:55.944	-13	0.00081	0.00002	0.00178	3.908	0.000377	34.9
10:41:56.944	-13	0.00059	0.00008	0.00068	3.095	0.000299	36.2
10:41:57.944	-13	0.00087	0.00019	0.00173	4.92	0.000476	36.2
10:41:58.944	-13	0.00064	0.00019	0.00085	3.873	0.000375	36.1
10:41:59.944	-13	0.00033	0.00002	0.0005	1.998	0.000193	35.1
10:42:00.944	-13	0.00026	0.00003	0.00103	1.008	0.000098	33.9
10:42:01.944	-13	0.00025	0	0.00083	0.58	0.000056	32.3
10:42:02.944	-13	0.00025	0	0.0017	0.409	0.00004	30.2
10:42:03.944	-13	0.00027	0.00002	0.00226	0.374	0.000037	29.2
10:42:04.944	-13	0.00025	0	0.00181	0.317	0.000031	28.1
10:42:05.944	-13	0.00025	0.00002	0.00168	0.252	0.000027	26.6
10:42:06.944	-13	0.00025	0	0.00187	0.199	0.000027	24.7
10:42:07.944	-13	0.00022	0	0.00169	0.151	0.000024	23.1
10:42:08.944	-13	0.00023	0	0.00173	0.147	0.000025	21.1
10:42:09.944	-13	0.00025	0	0.00191	0.162	0.000027	19.7
10:42:10.944	-13	0.00022	0	0.0017	0.137	0.000024	18.1
10:42:11.944	-13	0.00015	0	0.0012	0.085	0.000017	17.2
10:42:12.944	-13	0.00015	0	0.00143	0.103	0.000017	16.1
10:42:13.944	-13	0.00022	0	0.0035	1.183	0.000115	16.5
10:42:14.944	-13	0.00034	0	0.01042	5.498	0.000533	16.9
10:42:15.944	-13	0.00041	0	0.00898	10.389	0.001004	19
10:42:16.944	-13	0.00044	0	0.0053	11.508	0.00111	21.6
10:42:17.944	-13	0.00022	0	0.00122	5.371	0.000518	24.3
10:42:18.944	-13	0.00023	0	0.00035	3.831	0.00037	27.7
10:42:19.944	-13	0.00026	0	0.00066	3.487	0.000337	28.4
10:42:20.944	-13	0.0002	0	0.00159	3.403	0.000329	29.2
10:42:21.944	-13	0.0002	0	0.00209	3.54	0.000342	29.8
10:42:22.944	-13	0.00017	0	0.00165	2.829	0.000274	30.5
10:42:23.944	-13	0.00016	0	0.00107	2.045	0.000198	30.4
10:42:24.944	-13	0.00016	0	0.00107	1.652	0.00016	30.3
10:42:25.944	-13	0.00017	0	0.00227	1.993	0.000193	30.4
10:42:26.944	-13	0.00016	0	0.00239	2.493	0.000241	30.5
10:42:27.944	-13	0.00015	0	0.0016	2.694	0.000261	30.6
10:42:28.944	-13	0.00016	0	0.0014	2.627	0.000254	30.8
10:42:29.944	-13	0.00018	0	0.00202	2.628	0.000254	30.8
10:42:30.944	-13	0.0002	0	0.00286	3.377	0.000327	30.8
10:42:31.944	-13	0.00022	0	0.00293	4.532	0.000438	31

1.15E+01	10.200	4.500	7.961	3.512	2.800
1.83E+01	19.000	4.500	14.785	3.503	0.900
2.16E+01	23.300	4.500	18.094	3.500	4.300
2.23E+01	24.200	4.500	18.846	3.497	2.000
2.23E+01	24.200	4.500	18.827	3.497	3.700
2.20E+01	23.800	4.600	18.423	3.549	0.800
2.18E+01	23.500	4.600	18.199	3.558	2.200
2.19E+01	23.500	4.900	18.108	3.754	0.000
2.19E+01	23.500	5.000	18.045	3.840	3.100
2.14E+01	22.600	5.100	17.503	3.924	2.200
1.91E+01	19.300	5.200	15.081	4.053	1.400
1.63E+01	15.600	5.200	12.238	4.082	7.300
1.29E+01	11.100	5.200	8.815	4.130	9.500
9.10E+00	6.000	5.200	4.880	4.207	9.000
5.00E+00	0.800	5.100	0.704	4.247	0.800
4.20E+00	-3.000	5.000	0.000	4.199	1.800
4.20E+00	-6.300	5.000	0.000	4.224	0.000
4.20E+00	-8.000	5.000	0.000	4.235	0.200
4.20E+00	-9.900	4.900	0.000	4.177	0.900
4.10E+00	-10.500	4.800	0.000	4.092	0.200
4.10E+00	-10.900	4.800	0.000	4.066	1.300
4.10E+00	-11.400	4.800	0.000	4.066	-1.500
4.00E+00	-12.200	4.700	0.000	3.981	-0.400
4.00E+00	-12.500	4.700	0.000	3.981	-1.300
4.00E+00	-12.800	4.700	0.000	3.981	0.000
3.90E+00	-13.000	4.600	0.000	3.920	-3.100
3.90E+00	-13.000	4.600	0.000	3.897	-3.300
3.90E+00	-13.000	4.600	0.000	3.897	-3.400
3.80E+00	-13.000	4.600	0.000	3.846	-6.200
3.70E+00	-13.100	4.600	0.000	3.699	-0.900
3.60E+00	-12.900	4.700	0.000	3.640	-5.600
3.90E+00	-7.700	5.100	0.000	3.913	-2.500
4.00E+00	-1.800	5.200	0.000	4.013	-6.900
4.70E+00	0.800	5.200	0.625	4.112	-3.800
5.00E+00	1.100	5.200	0.879	4.153	-3.700
4.10E+00	-1.100	5.200	0.000	4.144	-2.300
4.10E+00	-4.200	5.200	0.000	4.132	-3.100
4.10E+00	-6.500	5.100	0.000	4.096	-5.600
4.10E+00	-8.100	5.100	0.000	4.133	-0.700
4.00E+00	-9.100	4.900	0.000	4.039	-5.600
3.90E+00	-9.900	4.800	0.000	3.912	-2.000
3.90E+00	-10.300	4.800	0.000	3.863	-3.800
3.80E+00	-10.500	4.800	0.000	3.833	-1.600
3.80E+00	-10.700	4.800	0.000	3.843	-1.800
3.90E+00	-10.900	4.800	0.000	3.872	-1.500
3.80E+00	-11.300	4.800	0.000	3.838	-2.700
3.80E+00	-11.400	4.800	0.000	3.793	-5.100

181.4	82.16763	2180	15.67	73.6	283.325417	356.036
181.6	77.26638	2073	18.312	73.6	283.311378	373.356757
182	82.52663	2148	21.414	73.7	283.406522	389.6665
182.3	87.77222	2232	23.535	73.3	295.006287	400.938914
182.7	77.52507	1975	26.212	79.8	308.430962	412.564674
183.1	78.29384	2011	28.73	76.7	321.002913	422.038725
183.5	59.9055	1743	30.605	88.6	333.942763	429.993207
183.9	67.29427	1834	32.317	85.6	346.480154	440.602997
184.3	72.82185	1924	34.057	71.1	324.007417	445.688036
184.7	42.51205	1822	35.4	74.1	298.737847	437.86685
185.1	29.87565	1678	35.4	52.4	266.519048	417.842753
185.5	21.49	1380	34.905	41.4	277.457927	394.708615
185.9	43.90374	1350	34.311	23.8	270.570332	372.572994
186.2	44.95649	1311	33.163	0	269.366327	337.554694
186.6	42.17381	1221	31.192	0	264.545929	307.130099
186.6	38.4135	1154	29.361	0	262.167735	284.296271
186.2	36.15283	1112	28.017	0.2	261.383929	265.463913
185.8	31.33018	1145	27.26	0.1	257.534576	251.036889
185.5	42.01955	1255	26.369	0	253.457841	240.466303
185.1	38.50592	1158	24.034	0	248.598974	230.732116
	38.57506	1180	21.882	0	244.408	221.0336
	38.61923	1164	20.252	0	241.926763	214.652819
	35.97096	1103	19.395	0.3	240.052147	208.413829
	32.34881	1129	17.766	0.1	236.503279	202.952157
	39.73264	1233	16.533	0	235.491476	198.880838
184.7	38.94263	1185	15.913	0	234.19875	195.215569
184.3	21.11394	1185	15.766	25.1	233.597495	195.607035
184	20.60699	1218	16.408	72	238.112058	208.932466
183.6	38.5433	1322	17.727	91.9	244.314552	238.742217
183.2	61.45475	1516	20.584	80.5	267.651017	291.344074
183.5	70.83954	1739	23.345	76.1	294.597917	339.765
183.9	75.9328	1948	26.388	71.5	314.14008	371.443956
184.3	31.97862	1745	27.95	42.7	321.010647	371.406517
184.6	29.1421	1615	28.265	57	308.653175	350.268623
185	34.30508	1650	28.974	60.1	300.073872	341.263596
185	28.53033	1419	29.81	47.9	286.11367	333.673987
185	26.79803	1423	29.81	13.4	285.027692	318.497605
185	24.57425	1410	29.223	16.6	276.126772	301.793023
185	23.36	1409	29.19	44.6	267.528528	289.524531
185	25.22	1421	29.81	59.6	269.859055	287.802609
185	27.68952	1438	29.838	53.8	273.223816	290.535333
185	26.55	1439	30.234	35.5	276.036939	288.579767
185	24.6038	1440	29.81	39.4	274.140312	281.7106
185	24.865	1441	30.43	55	271.155312	278.5099
185	30.22614	1447	30.43	69	272.0575	283.99266
185	32.39942	1454	30.43	68.7	276.884808	294.043762
185	37.59068	1463	30.43	74.1	281.681263	304.404238

0.56685	0.02472	0.37296	884.76
0.56908	0.02475	0.3754	896.148
0.57189	0.02492	0.3783	908.4
0.57494	0.025	0.38135	921.384
0.57766	0.02514	0.38407	933.003
0.58028	0.02517	0.38673	944.535
0.58245	0.02524	0.38895	954.464
0.58485	0.02524	0.39245	965.774
0.58731	0.02535	0.39627	977.746
0.58877	0.0254	0.39847	984.528
0.58958	0.02542	0.40025	988.436
0.59017	0.0255	0.40093	991.531
0.59104	0.02569	0.40266	996.451
0.59168	0.02588	0.40351	1000.324
0.59201	0.0259	0.40401	1002.322
0.59227	0.02593	0.40504	1003.33
0.59252	0.02593	0.40587	1003.91
0.59277	0.02593	0.40757	1004.319
0.59304	0.02595	0.40983	1004.693
0.59329	0.02595	0.41164	1005.01
0.59354	0.02597	0.41332	1005.262
0.59379	0.02597	0.41519	1005.461
0.59401	0.02597	0.41688	1005.612
0.59424	0.02597	0.41861	1005.759
0.59449	0.02597	0.42052	1005.921
0.59471	0.02597	0.42222	1006.058
0.59486	0.02597	0.42342	1006.143
0.59501	0.02597	0.42485	1006.246
0.59523	0.02597	0.42835	1007.429
0.59557	0.02597	0.43877	1012.927
0.59598	0.02597	0.44775	1023.316
0.59642	0.02597	0.45305	1034.824
0.59664	0.02597	0.45427	1040.195
0.59687	0.02597	0.45462	1044.026
0.59713	0.02597	0.45528	1047.513
0.59733	0.02597	0.45687	1050.916
0.59753	0.02597	0.45896	1054.456
0.5977	0.02597	0.46061	1057.285
0.59786	0.02597	0.46168	1059.33
0.59802	0.02597	0.46275	1060.982
0.59819	0.02597	0.46502	1062.975
0.59835	0.02597	0.46741	1065.468
0.5985	0.02597	0.46901	1068.162
0.59866	0.02597	0.47041	1070.789
0.59884	0.02597	0.47243	1073.417
0.59904	0.02597	0.47529	1076.794
0.59926	0.02597	0.47822	1081.326

10:42:32.944	-13	0.00025	0	0.00272	5.802	0.00056	31.2
10:42:33.944	-13	0.0004	0	0.01908	10.26	0.000993	31.6
10:42:34.944	-13	0.00054	0.00014	0.08127	15.71	0.001527	32
10:42:35.944	-13	0.00247	0	0.10854	20.312	0.001974	33.5
10:42:36.944	-13	0.01068	0	0.05146	22.785	0.002204	35.4
10:42:37.944	-13	0.02745	0	0.02237	25.732	0.002484	38.2
10:42:38.944	-13	0.05399	0	0.01863	27.811	0.002684	41.5
10:42:39.944	-13	0.0812	0	0.0156	29.745	0.00287	45
10:42:40.944	-13	0.10532	0	0.01543	31.976	0.003085	49.4
10:42:41.944	-13	0.11904	0	0.01643	34.047	0.003285	52.3
10:42:42.944	-13	0.12308	0	0.01619	35.392	0.003415	55.9
10:42:43.944	-13	0.11552	0	0.01292	31.831	0.003073	58.5
10:42:44.944	-13	0.07455	0	0.00714	21.847	0.00211	61.8
10:42:45.944	-13	0.04012	0	0.00638	15.796	0.001525	63.6
10:42:46.944	-13	0.0233	0	0.00542	16.09	0.001553	65.8
10:42:47.944	-13	0.0139	0	0.00385	16.988	0.001639	66.5
10:42:48.944	-13	0.00807	0	0.00281	17.545	0.001692	67.4
10:42:49.944	-13	0.00467	0	0.00279	16.799	0.00162	68
10:42:50.944	-13	0.00273	0	0.00301	13.592	0.001311	68.7
10:42:51.944	-13	0.00115	0	0.00251	7.582	0.000732	69.2
10:42:52.944	-13	0.00052	0	0.00145	4.358	0.000421	69.7
10:42:53.944	-13	0.00032	0	0.00122	2.937	0.000284	69.2
10:42:54.944	-13	0.00029	0	0.00152	2.701	0.000261	68.5
10:42:55.944	-13	0.00033	0	0.00246	3.634	0.000352	67.6
10:42:56.944	-13	0.00077	0	0.01043	11.763	0.001137	66.5
10:42:57.944	-13	0.00095	0	0.01215	18.585	0.001794	66.2
10:42:58.944	-13	0.00437	0	0.0098	19.854	0.001915	65.8
10:42:59.944	-13	0.00779	0	0.0064	13.449	0.001298	66.8
10:43:00.944	-13	0.00525	0	0.00312	5.718	0.000553	68.1
10:43:01.944	-13	0.00488	0	0.00206	5.555	0.000537	68.2
10:43:02.944	-13	0.00342	0	0.00285	6.195	0.000599	68.4
10:43:03.944	-13	0.00219	0	0.00455	8.307	0.000802	68.1
10:43:04.944	-13	0.00145	0	0.00421	11.146	0.001075	67.7
10:43:05.944	-13	0.00075	0	0.00266	11.387	0.001098	67.7
10:43:06.944	-13	0.00061	0.00001	0.00242	10.995	0.00106	67.7
10:43:07.944	-13	0.00052	0	0.00266	10.124	0.000976	67.8
10:43:08.944	-13	0.00048	0	0.00266	10.089	0.000973	67.9
10:43:09.944	-13	0.00048	0	0.00325	10.867	0.001048	67.9
10:43:10.944	-13	0.00051	0.00001	0.00337	11.999	0.001157	67.9
10:43:11.944	-13	0.00052	0	0.00348	12.325	0.001188	67.9
10:43:12.944	-13	0.00049	0	0.00381	11.286	0.001089	68
10:43:13.944	-13	0.00046	0	0.0041	10.519	0.001015	68.1
10:43:14.944	-13	0.00034	0	0.00343	7.626	0.000736	68.2
10:43:15.944	-13	0.00028	0	0.00203	5.84	0.000564	68.2
10:43:16.944	-13	0.00026	0	0.00224	5.232	0.000505	68.2
10:43:17.944	-13	0.0003	0.00002	0.00316	6.228	0.000602	67.7
10:43:18.944	-13	0.00034	0	0.00344	7.72	0.000745	67.1

3.80E+00	-11.400	4.800	0.000	3.763	-3.900
3.80E+00	-11.400	4.900	0.000	3.799	-7.600
3.80E+00	-10.100	4.900	0.000	3.750	3.300
1.35E+01	12.600	5.000	9.646	3.853	-3.000
5.08E+01	60.500	5.900	46.356	4.480	-3.900
1.12E+02	136.000	10.100	104.532	7.731	-6.100
2.01E+02	246.300	15.000	189.592	11.529	-5.800
2.82E+02	346.700	19.000	267.010	14.602	-2.300
3.40E+02	419.500	22.100	323.071	17.015	-4.500
3.61E+02	443.900	24.800	341.856	19.125	-0.600
3.59E+02	439.500	26.400	338.445	20.355	-5.400
3.41E+02	411.100	28.000	319.631	21.788	-1.500
3.03E+02	357.100	30.300	279.104	23.705	-6.400
2.29E+02	263.300	30.600	205.452	23.903	-4.100
1.40E+02	154.000	26.200	119.393	20.323	-5.300
8.33E+01	87.800	20.200	67.726	15.579	-7.200
4.77E+01	46.600	15.300	35.897	11.785	-4.700
2.84E+01	24.700	12.100	19.011	9.353	-6.400
1.98E+01	15.000	10.600	11.573	8.189	-4.400
1.41E+01	8.400	9.700	6.569	7.567	-6.200
9.80E+00	3.300	9.200	2.568	7.204	-2.300
6.70E+00	-0.400	8.300	0.000	6.672	-3.000
6.10E+00	-3.100	7.600	0.000	6.121	-3.000
5.80E+00	-3.900	7.200	0.000	5.794	-3.400
5.50E+00	-4.300	7.000	0.000	5.520	-3.600
5.10E+00	-1.400	6.600	0.000	5.120	-1.000
2.29E+01	22.700	7.100	17.460	5.432	-7.400
5.69E+01	63.100	10.300	48.880	8.004	-4.800
7.68E+01	84.100	13.500	66.115	10.641	-5.900
6.94E+01	73.500	14.400	58.057	11.367	-3.200
4.61E+01	45.000	13.600	35.402	10.686	-5.400
2.48E+01	20.600	11.300	16.044	8.778	-3.600
1.37E+01	8.300	9.500	6.406	7.339	-2.500
7.10E+00	0.800	8.400	0.648	6.474	-5.300
5.90E+00	-2.900	7.700	0.000	5.890	0.300
5.40E+00	-4.900	7.100	0.000	5.438	-3.900
5.00E+00	-6.300	6.500	0.000	4.979	-3.200
4.70E+00	-7.400	6.100	0.000	4.666	-5.600
4.50E+00	-8.400	5.900	0.000	4.527	0.300
4.50E+00	-9.000	5.800	0.000	4.477	-1.800
4.50E+00	-9.200	5.800	0.000	4.471	-4.800
4.40E+00	-9.400	5.700	0.000	4.422	-5.400
4.40E+00	-9.500	5.700	0.000	4.414	-6.400
4.40E+00	-9.700	5.700	0.000	4.436	-4.100
4.50E+00	-9.900	5.700	0.000	4.459	-3.500
4.30E+00	-10.100	5.500	0.000	4.300	1.000
4.20E+00	-10.700	5.400	0.000	4.218	-4.800

185	42.79531	1486	31.05	78.3	287.074184	319.526295
185	63.74798	1537	32.028	83.9	295.154038	346.51962
185.3	91.6505	1626	34.251	86.4	314.959423	388.3094
185.7	121.08917	1756	36.735	97.8	335.083239	428.574034
186.1	132.07688	1903	39.607	99.6	354.854878	462.605295
186.4	153.88264	2060	42.917	99.6	347.599719	490.313563
186.8	168.75194	2220	46.242	99.6	363.052981	515.802286
187.9	181.37418	2377	49.732	99.6	382.845541	539.463441
189	194.57605	2529	52.985	99.6	396.342308	562.858727
190.1	206.22148	2679	56.338	99.6	388.774583	588.463542
191.2	215.41636	2825	59.479	98.7	399.857788	612.811
192.2	217.72859	2946	62.004	86.5	417.86501	611.86
192.6	160.32144	2567	63.291	82.3	420.154247	579.072927
193	124.44704	2325	64.534	71.7	411.820229	549.292678
193.4	104.23484	2117	65.2	79.4	405.834063	537.480937
193.7	104.52218	2132	65.959	81.2	385.76262	535.1
194.1	105.92478	2156	66.45	81.1	372.374327	535.798
194.5	106.32438	2172	67.07	77.3	366.800796	536
194.9	85.0682	2185	67.588	72.5	386.352965	525.822667
195.3	66.44665	2149	67.659	42.2	412.888786	512.637
195.7	28.59153	1790	66.271	39	414.329211	468.030283
195.8	29.82216	1761	65.589	44.9	402.348671	440.967964
195.8	31.06549	1738	64.58	45.4	394.889979	424.5915
195.8	36.7641	1720	63.7	76.2	390.225	417.335731
195.8	84.66208	1716	63.732	91.2	393.842722	443.708939
195.8	125.3683	1753	64.413	99.4	414.822264	495.054951
196.2	127.61105	1787	65.799	98.7	419.055769	525.94
196.5	84.49341	1787	66.45	83.8	426.631633	523.608203
196.9	36.61929	1787	66.449	88.1	421.419857	500.460656
197.3	41.70511	1771	65.83	71.9	412.751923	482.436663
197.6	46.0764	1764	65.83	75	409.487861	476.109505
197.6	57.4339	1762	65.2	88.7	409.767073	483.450495
197.6	69.37046	1764	65.2	72.5	415.290476	498.0496
197.6	68.25305	1768	65.83	72.9	417.611435	507.602604
197.6	64.79917	1769	65.83	75.7	405.924294	511.059355
197.6	61.15287	1771	65.83	72.5	409.251326	509.320158
197.6	60.27362	1769	65.83	76.7	408.738343	507.441023
197.6	63.63734	1772	65.83	75.3	409.03913	508.328208
197.6	69.33	1773	65.83	72.4	409.009979	510.198125
197.6	71.65304	1775	65.83	69.5	407.717954	510.8
197.6	67.85327	1779	65.936	68	407.793064	509.579021
197.6	65.54894	1779	66.45	70	408.283019	507.722024
197.6	51.80204	1775	65.83	76.3	409.073585	499.303156
197.6	32.00859	1765	65.699	82.1	404.862004	485.007113
197.6	34.40108	1749	64.957	75.6	391.124038	471.483496
197.6	45.48132	1738	64.58	86.2	390.952524	468.7
197.6	51.49065	1731	64.358	83.3	390.955769	472.875644

0.59951	0.02597	0.48094	1087.128
0.59991	0.02597	0.50002	1097.388
0.60045	0.02611	0.58129	1113.098
0.60292	0.02611	0.68983	1133.41
0.6136	0.02611	0.74129	1156.195
0.64105	0.02611	0.76366	1181.927
0.69504	0.02611	0.78229	1209.738
0.77624	0.02611	0.79789	1239.483
0.88156	0.02611	0.81332	1271.459
1.0006	0.02611	0.82975	1305.506
1.12368	0.02611	0.84594	1340.898
1.2392	0.02611	0.85886	1372.729
1.31375	0.02611	0.866	1394.576
1.35387	0.02611	0.87238	1410.372
1.37717	0.02611	0.8778	1426.462
1.39107	0.02611	0.88165	1443.45
1.39914	0.02611	0.88446	1460.995
1.40381	0.02611	0.88725	1477.794
1.40654	0.02611	0.89026	1491.386
1.40769	0.02611	0.89277	1498.968
1.40821	0.02611	0.89422	1503.326
1.40853	0.02611	0.89544	1506.263
1.40882	0.02611	0.89696	1508.964
1.40915	0.02611	0.89942	1512.598
1.40992	0.02611	0.90985	1524.361
1.41087	0.02611	0.922	1542.946
1.41524	0.02611	0.9318	1562.8
1.42303	0.02611	0.9382	1576.249
1.42828	0.02611	0.94132	1581.967
1.43316	0.02611	0.94338	1587.522
1.43658	0.02611	0.94623	1593.717
1.43877	0.02611	0.95078	1602.024
1.44022	0.02611	0.95499	1613.17
1.44097	0.02611	0.95765	1624.557
1.44158	0.02612	0.96007	1635.552
1.4421	0.02612	0.96273	1645.676
1.44258	0.02612	0.96539	1655.765
1.44306	0.02612	0.96864	1666.632
1.44357	0.02613	0.97201	1678.631
1.44409	0.02613	0.97549	1690.956
1.44458	0.02613	0.9793	1702.242
1.44504	0.02613	0.9834	1712.761
1.44538	0.02613	0.98683	1720.387
1.44566	0.02613	0.98886	1726.227
1.44592	0.02613	0.9911	1731.459
1.44622	0.02615	0.99426	1737.687
1.44656	0.02615	0.9977	1745.407

10:43:19.944	-13	0.00033	0	0.00264	7.588	0.000732	66.8
10:43:20.944	-13	0.00048	0	0.00447	12.064	0.001164	66.5
10:43:21.944	-13	0.00052	0	0.00496	13.64	0.001315	66.5
10:43:22.944	-13	0.00052	0	0.00493	13.258	0.001279	66.5
10:43:23.944	-13	0.00044	0	0.00393	10.66	0.001029	66.9
10:43:24.944	-13	0.00033	0.00001	0.00289	7.531	0.000727	67.3
10:43:25.944	-13	0.00027	0	0.00291	6.075	0.000587	67.4
10:43:26.944	-13	0.00024	0.00001	0.00256	5.254	0.000507	67.6
10:43:27.944	-13	0.00021	0	0.00235	4.736	0.000457	67.3
10:43:28.944	-13	0.00019	0.00007	0.00167	4.068	0.000393	66.9
10:43:29.944	-13	0.00019	0.00006	0.00111	3.584	0.000346	66.2
10:43:30.944	-13	0.00035	0.00006	0.00136	4.385	0.000424	65.4
10:43:31.944	-13.8	0.0004	0.00018	0.00125	2.584	0.00025	64.5
10:43:32.944	-13.2	0.00025	0.00001	0.00172	0.759	0.000074	63.4
10:43:33.944	-13.8	0.00024	0.00003	0.0028	0.672	0.000065	62.3
10:43:34.944	-13.2	0.00026	0	0.00551	1.803	0.000175	61
10:43:35.944	-13.8	0.0003	0	0.00702	4.921	0.000477	60.7
10:43:36.944	-14	0.00032	0	0.00512	6.782	0.000655	60.3
10:43:37.944	-14	0.00033	0	0.00455	7.894	0.000762	60.3
10:43:38.944	-14	0.00032	0	0.00327	7.793	0.000752	60.2
10:43:39.944	-14	0.00029	0	0.00319	7.068	0.000682	60.2
10:43:40.944	-14	0.00029	0.00003	0.00329	7.137	0.000689	60.2
10:43:41.944	-14	0.00029	0.00006	0.00299	7.504	0.000724	60.3
10:43:42.944	-14	0.00026	0.00024	0.00231	6.903	0.000666	60.5
10:43:43.944	-14	0.00028	0	0.0025	7.085	0.000684	60
10:43:44.944	-14	0.00029	0	0.00338	7.772	0.00075	59.3
10:43:45.944	-14	0.00029	0	0.00281	8.08	0.000779	59
10:43:46.944	-14	0.00039	0	0.00379	11.21	0.001081	58.6
10:43:47.944	-14	0.00054	0	0.00492	16.48	0.001588	58.5
10:43:48.944	-14	0.00063	0	0.00462	19.302	0.00186	58.3
10:43:49.944	-14	0.00094	0	0.00643	25.34	0.002442	58.9
10:43:50.944	-14	0.00149	0	0.0084	23.494	0.002266	59.7
10:43:51.944	-14	0.0028	0.00004	0.01117	21.612	0.002086	61.1
10:43:52.944	-14	0.00306	0	0.01216	19.301	0.001864	62.8
10:43:53.944	-14	0.00244	0	0.01125	16.455	0.00159	64
10:43:54.944	-14	0.00157	0	0.00967	14.052	0.001358	65.5
10:43:55.944	-14	0.00102	0	0.0071	11.081	0.001071	66.2
10:43:56.944	-14	0.00083	0	0.00663	10.852	0.001048	67
10:43:57.944	-14	0.00079	0	0.00755	12.181	0.001176	67.1
10:43:58.944	-14	0.00079	0	0.00739	13.294	0.001283	67.3
10:43:59.944	-14	0.00073	0	0.00681	13.465	0.001299	67.6
10:44:00.944	-14	0.00067	0	0.00678	12.883	0.001244	68
10:44:01.944	-14	0.00067	0	0.00739	12.934	0.001249	68.4
10:44:02.944	-14	0.00063	0	0.0071	12.424	0.001199	68.9
10:44:03.944	-14	0.00062	0	0.00705	12.341	0.001191	69.3
10:44:04.944	-14	0.00062	0	0.00703	12.327	0.00119	69.7
10:44:05.944	-14	0.00061	0	0.00708	12.433	0.0012	70

4.20E+00	-11.000	5.400	0.000	4.185	-3.100	197.6	47.81923	1725	63.96	86.1	393.932342	474.784995
4.10E+00	-11.200	5.300	0.000	4.084	-4.300	197.6	71.73004	1729	63.96	94.3	391.522708	488.227377
4.10E+00	-11.400	5.300	0.000	4.070	-4.700	197.6	82.48213	1739	64.58	82.8	388.157417	504.605
4.10E+00	-11.300	5.300	0.000	4.079	-3.700	197.6	80.67174	1755	65.072	80.6	398.901534	509.819653
4.10E+00	-10.500	5.300	0.000	4.098	-4.300	197.6	67.15854	1756	65.2	80.8	396.921649	507.209804
4.10E+00	-9.700	5.300	0.000	4.119	0.500	197.6	52.85587	1761	65.2	79.3	397.242739	499.132
4.10E+00	-9.700	5.300	0.000	4.124	-3.800	197.6	39.55898	1755	65.2	77.3	403.552632	486.5
4.10E+00	-9.700	5.300	0.000	4.130	0.800	197.6	31.56116	1742	64.58	80	412.062625	475.538829
4.10E+00	-9.800	5.200	0.000	4.078	-0.400	197.6	30.35945	1728	64.458	60.9	412.15625	462.523576
4.10E+00	-10.600	5.200	0.000	4.074	4.800	197.6	28.33263	1709	63.34	41.7	405.667604	441.729307
4.10E+00	-11.400	5.200	0.000	4.112	4.600	197.6	26.48071	1682	62.603	11.9	397.515073	416.192244
4.20E+00	-12.000	5.100	0.000	4.157	2.500	197.6	49.52419	1653	61.747	0	388.662211	384.938111
4.20E+00	-12.500	5.000	0.000	4.172	6.200	197.6	61.1779	1623	60.24	0	375.797137	350.806807
4.20E+00	-12.800	5.000	0.000	4.211	0.400	197	60.47891	1596	59.376	1.8	362.189605	321.0461
4.20E+00	-12.900	4.900	0.000	4.151	1.500	196.3	39.35975	1579	58.75	55.1	353.135699	310.656387
4.10E+00	-12.900	4.900	0.000	4.064	-0.600	195.5	41.8995	1571	58.37	82.1	361.110647	331.889286
4.00E+00	-12.900	5.000	0.000	3.976	0.000	194.8	46.8104	1568	58.37	84.7	373.266981	360.651125
4.10E+00	-12.900	5.200	0.000	4.072	-2.000	194	49.39621	1565	58.37	85.1	384.068421	386.81657
4.00E+00	-12.900	5.200	0.000	4.034	-0.400	194	51.16087	1567	58.37	82.6	393.353757	404.653915
4.00E+00	-12.900	5.100	0.000	3.951	-3.100	194	49.1441	1567	58.37	81.7	399.808197	416.13835
4.00E+00	-12.900	5.100	0.000	3.954	-1.400	194	46.3368	1560	57.859	84.7	400.141688	422.553777
3.90E+00	-12.900	5.100	0.000	3.950	1.300	194	46.39715	1559	57.75	84.8	396.480094	429.986141
3.90E+00	-12.900	5.000	0.000	3.860	2.500		48.55931	1555	57.75	84	398.529889	437.809794
3.80E+00	-12.900	4.900	0.000	3.802	11.500		40.60928	1546	57.13	77.7	401.007453	435.439706
3.80E+00	-12.900	4.900	0.000	3.795	0.000		45.73306	1533	57.13	89.5	399.041346	436.5819
3.80E+00	-12.900	4.900	0.000	3.782	-0.800		49.82563	1530	56.51	87.1	398.961837	444.184845
3.80E+00	-12.800	4.900	0.000	3.767	-1.300		49.28896	1524	56.51	86.1	400.600377	449.710443
3.80E+00	-12.700	4.900	0.000	3.755	-1.000		59.11385	1520	56.51	92.6	400.192788	459.275276
3.70E+00	-12.600	4.900	0.000	3.727	-1.400		93.14533	1533	56.566	97.8	403.241698	485.792549
3.70E+00	-11.500	4.900	0.000	3.727	-2.700		100.52603	1571	57.804	96.4	410.016794	510.72
4.10E+00	-6.700	5.400	0.000	4.122	-0.300		160.44996	1817	59.055	97.9	412.558282	534.268571
6.60E+00	1.500	7.200	1.147	5.499	-4.000		143.06191	1972	60.916	93.4	416.146512	550.2305
1.28E+01	7.800	8.700	6.034	6.727	0.600	197.6	137.42828	2018	62.1	85.1	408.416327	546.057174
1.48E+01	9.000	10.100	6.993	7.852	-3.200	197.6	128.85611	2055	63.34	83.2	401.827481	536.597621
1.34E+01	6.700	10.500	5.197	8.186	0.000	197.6	113.54006	2079	64.222	74.8	386.647297	526.228101
9.90E+00	2.100	10.500	1.654	8.205	-1.800	197.6	99.61704	2095	64.58	71.9	395.380745	516.24407
8.10E+00	-2.200	10.300	0.000	8.070	-0.600	197.6	82.53583	1858	65.2	75.1	413.153421	505.078261
7.00E+00	-5.300	9.000	0.000	7.043	-1.200		74.14514	1757	65.2	82.6	415.916871	503.984075
6.30E+00	-7.300	8.100	0.000	6.255	-3.600		80.77341	1764	65.298	82.2	414.781633	508.196793
5.90E+00	-8.700	7.600	0.000	5.853	-0.600		86.55159	1773	65.83	79.4	413.914329	514.240535
5.40E+00	-9.300	7.000	0.000	5.371	-3.500		86.34404	1786	66.45	79.6	420.064826	517.4
5.10E+00	-9.900	6.600	0.000	5.070	-0.200		83.67075	1797	66.544	80.3	417.860842	517.4
5.00E+00	-10.100	6.500	0.000	5.031	-3.600	197.8	85.0906	1807	67.07	78.9	417.278884	517.4
5.00E+00	-10.200	6.400	0.000	4.975	-1.900	198.2	81.822	1818	67.69	80.5	416.396266	517.4
4.90E+00	-10.200	6.300	0.000	4.876	-3.100	198.6	81.17962	1826	67.69	80.4	417.269565	516.988321
4.90E+00	-10.300	6.300	0.000	4.876	-3.300	198.9	80.27753	1833	68.31	81	432.721739	514.42215
4.80E+00	-10.500	6.200	0.000	4.819	-1.800	199.3	81.00333	1843	68.521	81.6	434.038981	513.46948

1.44689	0.02615	1.00034	1752.995
1.44737	0.02615	1.00481	1765.059
1.44789	0.02615	1.00977	1778.699
1.44841	0.02615	1.0147	1791.957
1.44885	0.02615	1.01863	1802.617
1.44918	0.02616	1.02152	1810.148
1.44945	0.02616	1.02443	1816.223
1.44969	0.02617	1.02699	1821.477
1.4499	0.02617	1.02934	1826.213
1.45009	0.02624	1.03101	1830.281
1.45028	0.0263	1.03212	1833.865
1.45063	0.02636	1.03348	1838.25
1.45103	0.02654	1.03473	1840.834
1.45128	0.02655	1.03645	1841.593
1.45152	0.02658	1.03925	1842.265
1.45178	0.02658	1.04476	1844.068
1.45208	0.02658	1.05178	1848.989
1.4524	0.02658	1.0569	1855.771
1.45273	0.02658	1.06145	1863.665
1.45305	0.02658	1.06472	1871.458
1.45334	0.02658	1.06791	1878.526
1.45363	0.02661	1.0712	1885.663
1.45392	0.02667	1.07419	1893.167
1.45418	0.02691	1.0765	1900.07
1.45446	0.02691	1.079	1907.155
1.45475	0.02691	1.08238	1914.927
1.45504	0.02691	1.08519	1923.007
1.45543	0.02691	1.08898	1934.217
1.45597	0.02691	1.0939	1950.697
1.4566	0.02691	1.09852	1969.999
1.45754	0.02691	1.10495	1995.339
1.45903	0.02691	1.11335	2018.833
1.46183	0.02695	1.12452	2040.445
1.46489	0.02695	1.13668	2059.746
1.46733	0.02695	1.14793	2076.201
1.4689	0.02695	1.1576	2090.253
1.46992	0.02695	1.1647	2101.334
1.47075	0.02695	1.17133	2112.186
1.47154	0.02695	1.17888	2124.367
1.47233	0.02695	1.18627	2137.661
1.47306	0.02695	1.19308	2151.126
1.47373	0.02695	1.19986	2164.009
1.4744	0.02695	1.20725	2176.943
1.47503	0.02695	1.21435	2189.367
1.47565	0.02695	1.2214	2201.708
1.47627	0.02695	1.22843	2214.035
1.47688	0.02695	1.23551	2226.468

10:44:06.944	-14	0.00061	0	0.00689	12.379	0.001195	70.4
10:44:07.944	-14	0.00062	0	0.00644	12.565	0.001213	70.8
10:44:08.944	-14	0.00061	0	0.00652	12.715	0.001227	71.2
10:44:09.944	-14	0.00062	0	0.00654	12.73	0.001229	71.5
10:44:10.944	-14	0.00058	0	0.00574	11.613	0.001121	71.9
10:44:11.944	-14	0.00036	0	0.00383	6.838	0.000661	72.3
10:44:12.944	-14	0.00034	0	0.00428	5.961	0.000576	72.7
10:44:13.944	-14	0.00034	0	0.00485	6.191	0.000598	72.5
10:44:14.944	-14	0.00035	0	0.00448	6.988	0.000675	72.2
10:44:15.944	-14	0.00038	0	0.00444	7.919	0.000765	72
10:44:16.944	-14	0.00039	0	0.00483	8.611	0.000831	71.7
10:44:17.944	-14	0.00041	0	0.00532	9.214	0.00089	71.7
10:44:18.944	-14	0.00041	0	0.00531	9.181	0.000886	71.6
10:44:19.944	-14	0.00041	0.00001	0.00536	9.125	0.000881	71.6
10:44:20.944	-14	0.00041	0.00011	0.00537	9.098	0.000878	71.6
10:44:21.944	-14	0.0004	0	0.0049	8.95	0.000864	71.6
10:44:22.944	-14	0.00039	0	0.00463	8.695	0.00084	71.6
10:44:23.944	-14	0.00031	0	0.00364	6.803	0.000657	71.6
10:44:24.944	-14	0.00032	0	0.00392	6.625	0.00064	71.6
10:44:25.944	-14	0.00034	0	0.00495	7.326	0.000708	71.4
10:44:26.944	-14	0.00034	0	0.00462	7.536	0.000728	71.2
10:44:27.944	-14	0.00032	0	0.00403	7.218	0.000697	71.1
10:44:28.944	-14	0.00033	0	0.00402	7.49	0.000723	71
10:44:29.944	-14	0.00037	0	0.00434	8.725	0.000842	70.9
10:44:30.944	-14	0.00042	0	0.00445	10.411	0.001005	70.7
10:44:31.944	-14	0.00049	0	0.00461	12.132	0.00117	70.8
10:44:32.944	-14	0.00051	0	0.00483	12.519	0.001208	70.9
10:44:33.944	-14	0.00051	0	0.00486	12.348	0.001192	71.2
10:44:34.944	-14	0.00049	0	0.00513	11.914	0.00115	71.5
10:44:35.944	-14	0.00048	0	0.00534	11.67	0.001126	71.9
10:44:36.944	-14	0.00045	0	0.0051	10.645	0.001028	72.3
10:44:37.944	-14	0.00045	0	0.00556	10.556	0.001019	72.6
10:44:38.944	-14	0.00032	0	0.00395	7.282	0.000703	73
10:44:39.944	-14	0.00026	0	0.00324	5.61	0.000542	73.1
10:44:40.944	-14	0.00028	0	0.00409	5.595	0.000541	73.3
10:44:41.944	-14	0.00032	0.00001	0.00538	6.507	0.000629	72.9
10:44:42.944	-14	0.00035	0	0.00553	7.67	0.000741	72.5
10:44:43.944	-14	0.00034	0	0.00437	7.848	0.000758	72.4
10:44:44.944	-14	0.00034	0	0.00426	7.687	0.000742	72.3
10:44:45.944	-14	0.00033	0	0.00423	7.695	0.000743	72.2
10:44:46.944	-14	0.00033	0	0.00396	7.793	0.000752	72
10:44:47.944	-14	0.00033	0	0.00372	7.736	0.000747	72
10:44:48.944	-14	0.00034	0	0.00382	8.069	0.000779	72
10:44:49.944	-14	0.00036	0	0.004	8.611	0.000831	71.9
10:44:50.944	-14	0.00035	0	0.00346	8.255	0.000797	71.7
10:44:51.944	-14	0.00033	0	0.00364	7.912	0.000764	71.7
10:44:52.944	-14	0.0003	0	0.00314	7.055	0.000681	71.6

4.80E+00	-10.600	6.200	0.000	4.798	-1.200	199.4	81.81067	1856	68.93	80.7	431.595597	512.8
4.80E+00	-10.900	6.200	0.000	4.798	-1.700	199.4	81.9868	1861	69.221	81	443.355625	512.410769
4.70E+00	-11.000	6.100	0.000	4.720	-5.600	199.4	82.52416	1874	69.55	80.8	442.643983	511.7
4.70E+00	-11.100	6.100	0.000	4.721	-2.200	199.4	82.69321	1883	70.17	80.8	438.151163	511.7
4.70E+00	-11.200	6.100	0.000	4.733	-4.800	199.4	79.92165	1893	70.17	80.8	426.530645	509.085
4.70E+00	-11.200	6.000	0.000	4.691	-3.100	199	48.23691	1888	70.17	71.2	408.465283	493.612704
4.70E+00	-11.200	6.000	0.000	4.717	-4.300	198.6	44.49291	1881	70.17	79.8	406.161959	481.700991
4.60E+00	-11.300	5.900	0.000	4.645	-4.200	198.3	45.36787	1873	69.55	79.3	405.16	475.8331
4.50E+00	-11.600	5.800	0.000	4.528	-2.400	197.9	47.76181	1868	69.55	81.4	405.22972	473.502663
4.50E+00	-11.600	5.700	0.000	4.457	-4.600	197.6	54.18592	1862	69.55	80.3	405.890875	476.079444
4.30E+00	-11.800	5.600	0.000	4.346	-3.200	197.6	57.995	1863	68.93	80.2	403.545205	479.492903
4.30E+00	-11.900	5.600	0.000	4.340	-5.200	197.6	60.09541	1862	68.93	82.9	390.121967	484.09072
4.30E+00	-11.900	5.500	0.000	4.285	-2.200	197.6	60.98933	1860	69.353	80.9	393.080625	486.34893
4.30E+00	-11.900	5.500	0.000	4.269	0.500	197.6	60.53362	1864	69.55	80.8	391.629474	484.782549
4.30E+00	-11.900	5.500	0.000	4.271	3.800		60.54602	1866	69.55	81	400.453638	482.911233
4.30E+00	-12.000	5.500	0.000	4.271	-1.300		59.25685	1869	69.55	80.5	399.311429	482.018621
4.30E+00	-12.000	5.500	0.000	4.271	-3.800		58.88661	1868	69.55	80	395.627879	481.244744
4.30E+00	-12.000	5.500	0.000	4.274	-2.400		52.044	1863	69.55	77.8	396.065073	477.805405
4.30E+00	-12.000	5.500	0.000	4.293	-4.300		42.59704	1856	68.93	78.8	395.427143	468.53449
4.20E+00	-12.000	5.400	0.000	4.210	-2.000	195.8	51.46372	1849	68.93	80.3	401.795773	467.021522
4.20E+00	-12.000	5.400	0.000	4.204	-4.100	195.8	52.62317	1846	68.93	78.3	413.182152	467.798899
4.10E+00	-12.100	5.300	0.000	4.123	-2.600	195.8	48.29114	1844	68.31	81	415.391104	466.801816
4.10E+00	-12.200	5.300	0.000	4.120	-4.000	195.8	49.22104	1840	68.31	81.7	425.932115	466.406196
4.10E+00	-12.200	5.300	0.000	4.109	-3.500	195.8	57.70358	1840	68.31	88	428.598649	471.473798
4.10E+00	-12.200	5.300	0.000	4.089	-4.300	195.8	66.80435	1841	68.31	83.3	434.590512	481.852174
4.10E+00	-12.200	5.300	0.000	4.085	-5.200	195.8	78.66386	1849	68.93	80.7	438.514625	490.526202
4.10E+00	-12.300	5.300	0.000	4.091	-2.000	195.8	78.25703	1860	68.93	82.6	437.856112	496.846452
4.10E+00	-12.300	5.300	0.000	4.099	-5.500	195.8	79.24298	1872	69.55	82.4	439.132116	497.9
4.00E+00	-12.300	5.200	0.000	4.026	-2.000	195.8	77.85429	1883	70.17	82.7	440.528673	497.9
4.00E+00	-12.300	5.200	0.000	4.028	-6.000	196.1	75.95781	1891	70.291	81.2	433.558223	496.589804
4.00E+00	-12.300	5.200	0.000	4.035	-2.900	196.5	69.05566	1900	70.647	83.8	435.225706	494.380705
4.00E+00	-12.300	5.200	0.000	4.036	-5.000	196.9	71.00888	1906	70.79	79.3	435.232613	492.5959
4.00E+00	-12.300	5.200	0.000	4.046	-4.300	197.2	58.4047	1906	70.79	72.6	435.465709	486.116603
4.10E+00	-12.300	5.200	0.000	4.067	-3.000	197.6	37.0149	1897	70.79	66.8	432.230208	472.349836
4.10E+00	-12.300	5.200	0.000	4.089	-2.600	197.2	42.27965	1890	70.17	61.2	421.700377	458.660921
4.10E+00	-12.300	5.200	0.000	4.091	0.500	196.8	48.04204	1880	69.687	76.6	419.118846	453.439742
4.00E+00	-12.300	5.100	0.000	3.986	-4.600	196.4	56.30015	1880	69.55	79.5	410.436118	457.61831
4.00E+00	-12.300	5.100	0.000	3.978	-1.200	196	55.67176	1876	69.55	79	403.264057	462.681099
4.00E+00	-12.300	5.100	0.000	3.976	-5.100		54.02757	1878	69.55	80.7	397.607551	464.275761
4.00E+00	-12.300	5.100	0.000	3.973	-4.400		53.02322	1876	69.55	81.2	397.856346	465.8841
4.00E+00	-12.300	5.100	0.000	3.968	-5.100		52.75826	1874	69.55	81	399.101898	466.1
4.00E+00	-12.300	5.100	0.000	3.967	-3.900		51.93484	1868	69.55	81.3	397.615951	466.891667
4.00E+00	-12.300	5.100	0.000	3.962	-3.700		52.2555	1870	69.55	82.1	399.238491	467
4.00E+00	-12.300	5.100	0.000	3.958	-6.400	195.8	57.05954	1869	69.55	80.9	399.890737	468.424369
4.00E+00	-12.300	5.100	0.000	3.961	-1.600	195.8	55.6848	1868	69.55	80.2	398.387	467.998526
4.00E+00	-12.300	5.100	0.000	3.964	-5.800	195.8	51.84159	1866	69.55	81.6	397.806731	466.326337
4.00E+00	-12.300	5.100	0.000	3.966	-2.400	195.8	51.59656	1864	69.176	81.8	398.368024	465.387347

1.47749	0.02695	1.2424	2238.847
1.47811	0.02695	1.24884	2251.412
1.47872	0.02695	1.25536	2264.127
1.47934	0.02695	1.2619	2276.857
1.47992	0.02695	1.26764	2288.47
1.48028	0.02695	1.27147	2295.308
1.48062	0.02695	1.27575	2301.269
1.48096	0.02695	1.2806	2307.46
1.48131	0.02695	1.28508	2314.448
1.48169	0.02695	1.28952	2322.367
1.48208	0.02695	1.29435	2330.978
1.48249	0.02695	1.29967	2340.192
1.4829	0.02695	1.30498	2349.373
1.48331	0.02696	1.31034	2358.498
1.48372	0.02707	1.31571	2367.596
1.48412	0.02707	1.32061	2376.546
1.48451	0.02707	1.32524	2385.241
1.48482	0.02707	1.32888	2392.044
1.48514	0.02707	1.3328	2398.669
1.48548	0.02707	1.33775	2405.995
1.48582	0.02707	1.34237	2413.531
1.48614	0.02707	1.3464	2420.749
1.48647	0.02707	1.35042	2428.239
1.48684	0.02707	1.35476	2436.964
1.48726	0.02707	1.35921	2447.375
1.48775	0.02707	1.36382	2459.507
1.48826	0.02707	1.36865	2472.026
1.48877	0.02707	1.37351	2484.374
1.48926	0.02707	1.37864	2496.288
1.48974	0.02707	1.38398	2507.958
1.49019	0.02707	1.38908	2518.603
1.49064	0.02707	1.39464	2529.159
1.49096	0.02707	1.39859	2536.441
1.49122	0.02707	1.40183	2542.051
1.4915	0.02707	1.40592	2547.646
1.49182	0.02708	1.4113	2554.153
1.49217	0.02708	1.41683	2561.823
1.49251	0.02708	1.4212	2569.671
1.49285	0.02708	1.42546	2577.358
1.49318	0.02708	1.42969	2585.053
1.49351	0.02708	1.43365	2592.846
1.49384	0.02708	1.43737	2600.582
1.49418	0.02708	1.44119	2608.651
1.49454	0.02708	1.44519	2617.262
1.49489	0.02708	1.44865	2625.517
1.49522	0.02708	1.45229	2633.429
1.49552	0.02708	1.45543	2640.484

10:44:53.944	-14	0.00031	0	0.00336	7.089	0.000685	71.6
10:44:54.944	-14	0.00036	0	0.00428	8.581	0.000828	71.6
10:44:55.944	-14	0.00035	0	0.00345	8.46	0.000817	71.6
10:44:56.944	-14	0.00034	0	0.0034	8.218	0.000793	71.5
10:44:57.944	-14	0.00034	0	0.00371	8.026	0.000775	71.4
10:44:58.944	-14	0.00034	0	0.00384	8.062	0.000778	71.3
10:44:59.944	-14	0.00034	0	0.00386	8.135	0.000785	71.3
10:45:00.944	-14	0.00035	0	0.00392	8.284	0.0008	71.2
10:45:01.944	-14	0.00035	0	0.00393	8.455	0.000816	71.2
10:45:02.944	-14	0.00035	0	0.00349	8.412	0.000812	71.1
10:45:03.944	-14	0.00035	0	0.00345	8.426	0.000813	71.1
10:45:04.944	-14	0.00036	0	0.00346	8.456	0.000816	71
10:45:05.944	-14	0.00035	0	0.00343	8.38	0.000809	71
10:45:06.944	-14	0.00035	0	0.00339	8.257	0.000797	71
10:45:07.944	-14	0.00034	0	0.00332	8.058	0.000778	71
10:45:08.944	-14	0.00035	0	0.00334	8.082	0.00078	71
10:45:09.944	-14	0.00034	0	0.0032	7.75	0.000748	71
10:45:10.944	-14	0.00034	0	0.00323	7.805	0.000753	70.9
10:45:11.944	-14	0.00035	0	0.00329	7.958	0.000768	70.9
10:45:12.944	-14	0.00035	0	0.0033	7.991	0.000771	70.9
10:45:13.944	-14	0.00035	0	0.0033	7.988	0.000771	70.9
10:45:14.944	-14	0.00036	0	0.00333	8.068	0.000779	70.8
10:45:15.944	-14	0.00037	0	0.00336	8.14	0.000786	70.8
10:45:16.944	-14	0.00037	0	0.00337	8.171	0.000789	70.8
10:45:17.944	-14	0.00035	0	0.00324	7.871	0.00076	70.8
10:45:18.944	-14	0.00028	0	0.00253	6.151	0.000594	70.9
10:45:19.944	-14	0.00026	0	0.00239	5.539	0.000535	70.9
10:45:20.944	-14	0.00026	0	0.00264	5.258	0.000508	71
10:45:21.944	-14	0.00025	0	0.00252	4.803	0.000464	70.7
10:45:22.944	-14	0.00023	0.00003	0.00224	4.169	0.000403	70.3
10:45:23.944	-14	0.00025	0.00004	0.00152	3.146	0.000304	69.7
10:45:24.944	-14	0.00043	0.00009	0.00117	2.605	0.000252	68.9
10:45:25.944	-14	0.00042	0	0.00347	1.364	0.000133	68.1
10:45:26.944	-14	0.00042	0.00003	0.003	0.78	0.000076	67.2
10:45:27.944	-14	0.00027	0	0.0025	0.404	0.000039	66.4
10:45:28.944	-14	0.00023	0.00002	0.0034	0.595	0.000058	65.5
10:45:29.944	-14	0.00022	0	0.00433	1.472	0.000143	65
10:45:30.944	-14	0.00021	0	0.00431	2.748	0.000266	64.3
10:45:31.944	-14	0.00018	0.00009	0.00293	2.493	0.000241	64
10:45:32.944	-14	0.00018	0.00011	0.00214	2.429	0.000235	63.6
10:45:33.944	-14	0.00019	0.00011	0.00248	2.372	0.00023	63.3
10:45:34.944	-14	0.00019	0.00003	0.00258	2.514	0.000243	62.9
10:45:35.944	-14	0.00023	0.00008	0.00305	3.363	0.000326	62.7
10:45:36.944	-14	0.00032	0.00003	0.00457	6.051	0.000585	62.4
10:45:37.944	-14	0.00045	0	0.006	10.052	0.000971	62.5
10:45:38.944	-14	0.00048	0	0.00413	11.192	0.00108	62.6
10:45:39.944	-14	0.00025	0	0.00192	5.338	0.000515	63.3

4.00E+00	-12.300	5.100	0.000	3.972	-5.400	195.8	44.23889	1858	68.93	83.4	398.71057	460.636364
4.00E+00	-12.300	5.100	0.000	3.957	-2.600	195.8	58.00772	1857	68.93	85.2	397.940494	465.173069
4.00E+00	-12.300	5.100	0.000	3.957	-4.400	195.8	55.25531	1858	68.93	79.6	400.20808	466.1
4.00E+00	-12.300	5.100	0.000	3.963	-4.400	195.8	53.48708	1859	68.93	81.2	400.571282	466.915778
4.00E+00	-12.300	5.100	0.000	3.967	-3.800	195.8	53.726	1856	68.93	81.9	408.613169	467
3.90E+00	-12.300	5.000	0.000	3.906	-4.400	195.8	53.98188	1853	68.93	82	414.164008	467.121916
3.90E+00	-12.300	5.100	0.000	3.944	-1.400	195.8	53.82192	1856	68.93	81.6	421.0175	468.065226
4.00E+00	-12.300	5.100	0.000	3.963	-5.500	195.8	54.306	1852	68.93	81.4	418.379123	468.870088
4.00E+00	-12.300	5.100	0.000	3.959	-2.000	195.8	55.239	1850	68.93	81.3	416.874343	469.7
4.00E+00	-12.200	5.100	0.000	3.958	-3.900	195.8	54.89404	1849	68.93	82.5	419.827755	469.853079
4.00E+00	-12.200	5.100	0.000	3.959	-2.900	195.8	55.01322	1851	68.93	81.9	418.192562	470.463964
4.00E+00	-12.200	5.200	0.000	4.037	-3.700		55.58784	1850	68.93	81.4	417.692292	469.7
4.00E+00	-12.200	5.200	0.000	4.037	-4.800		55.54871	1849	68.93	81.3	416.893313	469.556
4.00E+00	-12.200	5.200	0.000	4.037	-2.800		55.36278	1851	68.93	80.9	416.4	468.582569
4.00E+00	-12.200	5.200	0.000	4.038	-5.400		53.28506	1848	68.93	81.8	418.2262	467.756176
4.10E+00	-12.200	5.300	0.000	4.116	-2.600		53.02898	1846	68.93	81.6	416.515493	467
4.10E+00	-12.200	5.300	0.000	4.116	-6.600	195.8	51.06745	1846	68.31	83	422.784615	466.779693
4.10E+00	-12.200	5.300	0.000	4.117	-3.000	195.8	51.52226	1845	68.31	81.6	428.777404	465.828105
4.10E+00	-12.200	5.300	0.000	4.117	-4.400	195.8	54.01432	1845	68.31	81.5	430.516923	465.654556
4.10E+00	-12.200	5.300	0.000	4.116	-3.300	195.8	53.99362	1842	68.31	81.2	416.226442	466.1
4.20E+00	-12.200	5.400	0.000	4.174	-2.600	195.8	53.72718	1844	68.31	81.9	418.910116	466.1
4.30E+00	-12.000	5.500	0.000	4.252	-3.100	195.8	53.64523	1843	68.31	81.2	418.698387	466.626853
4.30E+00	-12.000	5.500	0.000	4.272	-0.700	195.8	54.03181	1845	68.31	81.5	410.207547	467
4.30E+00	-12.000	5.500	0.000	4.272	-5.800	195.8	53.77243	1845	68.31	81	401.40051	467.801923
4.30E+00	-12.000	5.500	0.000	4.271	-3.200	195.8	53.56539	1845	68.93	81.6	406.325971	466.995627
4.30E+00	-12.000	5.600	0.000	4.349	-5.300	195.8	48.95874	1847	68.93	84	405.315269	466.120991
4.40E+00	-11.900	5.600	0.000	4.364	-2.700	195.8	37.43684	1838	68.31	79.7	399.432934	456.441188
4.40E+00	-11.900	5.600	0.000	4.379	-1.100	195.8	37.46081	1831	67.934	70.6	398.862781	446.458875
4.40E+00	-11.900	5.600	0.000	4.390	-1.600	195.8	36.40397	1820	67.69	62.7	404.77	440.009622
4.40E+00	-11.900	5.600	0.000	4.421	2.000	195.8	33.91516	1805	67.07	15.4	409.005263	418.772549
4.50E+00	-11.900	5.600	0.000	4.520	2.500	195.5	36.7148	1781	66.216	0	395.74	385.057905
4.60E+00	-11.900	5.500	0.000	4.567	3.200	195.1	61.91941	1756	65.2	0	382.61336	351.888725
4.40E+00	-12.000	5.200	0.000	4.394	-3.300	194.8	62.88532	1732	64.377	0	370.476008	319.395
4.30E+00	-12.000	5.100	0.000	4.313	1.000	194.4	62.85886	1710	63.765	0	359.213179	292.290777
4.30E+00	-12.000	5.100	0.000	4.320	-0.400	194.1	50.27622	1688	62.72	12.9	345.93125	273.660326
4.30E+00	-12.000	5.100	0.000	4.301	1.100	193.7	32.62635	1673	62.1	53.3	341.733436	272.46683
4.20E+00	-12.000	5.100	0.000	4.232	0.300	193.3	33.59526	1668	62.1	61.1	350.25428	289.927628
4.10E+00	-12.000	5.100	0.000	4.129	-0.200	193	31.22699	1660	61.48	45.9	357.369311	303.37281
4.10E+00	-12.000	5.100	0.000	4.108	7.100	192.6	26.63606	1647	61.48	44.9	351.783654	304.757843
4.20E+00	-11.900	5.200	0.000	4.199	8.700	192.2	28.06658	1640	60.86	45.2	350.763942	303.373948
4.10E+00	-12.000	5.100	0.000	4.132	8.100	192.2	28.82796	1634	60.86	44.1	350.061437	303.275416
4.10E+00	-12.000	5.100	0.000	4.128	2.000	192.2	29.85196	1628	60.24	52.8	349.772245	307.663501
4.10E+00	-12.000	5.100	0.000	4.102	4.600	192.2	35.19772	1624	60.24	68.6	355.462601	318.342042
4.00E+00	-11.800	5.100	0.000	4.039	1.300	192.2	51.09485	1632	60.551	87.8	362.457915	340.823344
4.10E+00	-11.600	5.300	0.000	4.106	-0.300	192.2	67.45758	1646	61.251	81.8	379.679412	376.942514
4.20E+00	-11.600	5.500	0.000	4.236	-2.700		73.16975	1667	61.84	81.4	395.282547	405.89001
4.30E+00	-11.500	5.500	0.000	4.279	-3.800		25.32303	1676	62.1	55.9	405.165784	412.463564

1.49583	0.02708	1.45879	2647.573
1.49619	0.02708	1.46307	2656.154
1.49654	0.02708	1.46652	2664.614
1.49688	0.02708	1.46992	2672.832
1.49722	0.02708	1.47363	2680.858
1.49756	0.02708	1.47747	2688.92
1.4979	0.02708	1.48133	2697.055
1.49825	0.02708	1.48525	2705.339
1.4986	0.02708	1.48918	2713.794
1.49895	0.02708	1.49267	2722.206
1.4993	0.02708	1.49612	2730.632
1.49966	0.02708	1.49958	2739.088
1.50001	0.02708	1.50301	2747.468
1.50036	0.02708	1.5064	2755.725
1.5007	0.02708	1.50972	2763.783
1.50105	0.02708	1.51306	2771.865
1.50139	0.02708	1.51626	2779.615
1.50173	0.02708	1.51949	2787.42
1.50208	0.02708	1.52278	2795.378
1.50243	0.02708	1.52608	2803.369
1.50278	0.02708	1.52938	2811.357
1.50314	0.02708	1.53271	2819.425
1.50351	0.02708	1.53607	2827.565
1.50388	0.02708	1.53944	2835.736
1.50423	0.02708	1.54268	2843.607
1.50451	0.02708	1.54521	2849.758
1.50477	0.02708	1.5476	2855.297
1.50503	0.02708	1.55024	2860.555
1.50528	0.02708	1.55276	2865.358
1.50551	0.02711	1.555	2869.527
1.50576	0.02715	1.55652	2872.673
1.50619	0.02724	1.55769	2875.278
1.50661	0.02724	1.56116	2876.642
1.50703	0.02727	1.56416	2877.422
1.5073	0.02727	1.56666	2877.826
1.50753	0.02729	1.57006	2878.421
1.50775	0.02729	1.57439	2879.893
1.50796	0.02729	1.5787	2882.641
1.50814	0.02738	1.58163	2885.134
1.50832	0.02749	1.58377	2887.563
1.50851	0.0276	1.58625	2889.935
1.5087	0.02763	1.58883	2892.449
1.50893	0.02771	1.59188	2895.812
1.50925	0.02774	1.59645	2901.863
1.5097	0.02774	1.60245	2911.915
1.51018	0.02774	1.60658	2923.107
1.51043	0.02774	1.6085	2928.445

10:45:40.944	-14	0.00023	0	0.00144	4.055	0.000392	64.1
10:45:41.944	-14	0.0003	0	0.00129	3.539	0.000342	64
10:45:42.944	-14	0.00035	0.00004	0.00124	2.171	0.00021	63.8
10:45:43.944	-14	0.00034	0	0.00216	1.123	0.000109	62.8
10:45:44.944	-14	0.00034	0	0.00348	0.639	0.000062	61.5
10:45:45.944	-14	0.00033	0	0.00253	0.421	0.000041	60
10:45:46.944	-14	0.00033	0	0.00233	0.302	0.000036	58.2
10:45:47.944	-14	0.00032	0	0.00269	0.249	0.000036	57.1
10:45:48.944	-14	0.00031	0	0.00288	0.202	0.000034	55.8
10:45:49.944	-14	0.0002	0	0.00193	0.13	0.000022	55.4
10:45:50.944	-14	0.00016	0	0.00277	0.335	0.000033	54.9
10:45:51.944	-14	0.00016	0.00001	0.00385	0.937	0.000091	54.5
10:45:52.944	-14	0.00017	0	0.00428	2.03	0.000197	53.9
10:45:53.944	-14	0.0002	0.00003	0.0043	3.48	0.000337	53.6
10:45:54.944	-14	0.00031	0	0.00581	7.008	0.000677	53.3
10:45:55.944	-14	0.00033	0	0.00535	8.625	0.000833	53.3
10:45:56.944	-14	0.00034	0	0.00377	9.143	0.000882	53.2
10:45:57.944	-14	0.00035	0	0.00355	9.21	0.000889	53.5
10:45:58.944	-14	0.00034	0	0.00351	9.1	0.000878	53.9
10:45:59.944	-14	0.00033	0	0.00342	8.846	0.000854	54.4
10:46:00.944	-14	0.00033	0	0.00339	8.791	0.000848	55.1
10:46:01.944	-14	0.00033	0	0.00343	8.916	0.00086	55
10:46:02.944	-14	0.00034	0	0.00348	9.148	0.000883	54.8
10:46:03.944	-14	0.00036	0	0.0033	9.783	0.000944	55.3
10:46:04.944	-14	0.00037	0	0.00329	10.332	0.000996	55.9
10:46:05.944	-14	0.00037	0	0.00325	10.187	0.000983	56.1
10:46:06.944	-14	0.00036	0	0.00326	9.702	0.000936	56.4
10:46:07.944	-14	0.00028	0	0.00284	7.244	0.000699	56.8
10:46:08.944	-14	0.0002	0	0.00209	4.725	0.000456	57.2
10:46:09.944	-14	0.00022	0	0.00256	4.81	0.000465	57.1
10:46:10.944	-14	0.00025	0	0.0028	5.72	0.000553	57
10:46:11.944	-14	0.00027	0	0.00303	6.757	0.000652	56.9
10:46:12.944	-14	0.00027	0	0.00343	6.85	0.000661	56.7
10:46:13.944	-14	0.00023	0	0.00261	5.759	0.000556	57
10:46:14.944	-14	0.00018	0	0.00142	4.334	0.000418	57.3
10:46:15.944	-14	0.00014	0	0.00145	3.092	0.000299	57.5
10:46:16.944	-14	0.00015	0.00001	0.00164	3.035	0.000293	57.8
10:46:17.944	-14	0.00015	0.00006	0.0014	2.539	0.000246	57.5
10:46:18.944	-14	0.00017	0.00012	0.00131	2.619	0.000253	57.1
10:46:19.944	-14	0.00019	0.00012	0.00203	3.353	0.000324	57
10:46:20.944	-14	0.00022	0.00011	0.00305	4.323	0.000418	56.8
10:46:21.944	-14	0.00022	0.00009	0.00227	4.805	0.000464	56.9
10:46:22.944	-14	0.00021	0	0.00185	4.81	0.000465	57
10:46:23.944	-14	0.00019	0.00002	0.00175	4.11	0.000397	57.2
10:46:24.944	-14	0.00016	0	0.00153	3.138	0.000303	57.5
10:46:25.944	-14	0.00018	0.00007	0.00177	3.259	0.000315	57.6
10:46:26.944	-14	0.00022	0.00012	0.00271	4.257	0.000412	57.7

4.30E+00	-11.500	5.500	0.000	4.344	-0.300		27.76837	1666	62.1	7.7	395.704888	388.617912
4.40E+00	-11.500	5.400	0.000	4.401	-0.800		46.54754	1641	61.126	0.1	377.726154	354.25
4.10E+00	-11.600	5.000	0.000	4.119	1.500		56.20805	1608	59.886	0	361.976879	322.15015
4.00E+00	-11.700	4.700	0.000	3.979	-2.500	193.7	55.85917	1553	57.666	0	344.871132	292.761606
3.90E+00	-11.800	4.600	0.000	3.916	-1.100	193.3	55.17546	1518	56.196	0	333.140777	270.45939
3.90E+00	-11.800	4.600	0.000	3.901	-2.300	192.9	55.23422	1491	55.529	0	323.91491	252.537692
3.90E+00	-11.800	4.600	0.000	3.895	-1.900	192.5	54.13993	1478	54.747	0	337.380742	240.106476
3.90E+00	-11.800	4.600	0.000	3.895	-1.800	192.2	53.33208	1459	54.065	0	335.174101	229.640094
3.90E+00	-11.800	4.600	0.000	3.895	-3.600	191.8	51.24209	1437	53.481	0.4	330.317202	221.26262
3.90E+00	-11.800	4.600	0.000	3.895	-0.400	191.4	32.5048	1419	52.644	15.9	344.75691	217.864348
3.90E+00	-11.800	4.600	0.000	3.890	-2.700	191	23.76291	1406	52.16	41	353.538491	225.654831
3.80E+00	-11.800	4.600	0.000	3.837	0.700	190.6	25.95642	1398	51.783	66.5	363.68	243.564929
3.80E+00	-11.800	4.600	0.000	3.758	0.200	190.4	28.56444	1387	51.54	73.8	354.554593	263.519472
3.80E+00	-11.800	4.700	0.000	3.796	1.900	190.4	32.33651	1382	51.052	87.9	355.09	283.3248
3.80E+00	-11.800	4.800	0.000	3.764	-0.100	190.4	56.50625	1383	51.408	90.9	356.431902	316.984
3.70E+00	-11.700	4.800	0.000	3.719	-2.800	190.4	56.69726	1392	51.54	81.6	354.558947	350.006563
3.80E+00	-11.600	4.900	0.000	3.761	-0.700	190.4	56.07963	1401	52.16	82.8	360.365748	372.811739
3.80E+00	-11.500	4.900	0.000	3.783	-4.000	190.7	56.07335	1412	52.371	83.7	364.64	389.465049
3.80E+00	-11.500	4.900	0.000	3.783	-1.500	191.1	55.78156	1422	52.978	84.2	366.764257	402.111695
3.80E+00	-11.400	4.900	0.000	3.784	-5.000	191.4	54.91	1427	52.78	84	372.415239	411.115145
3.80E+00	-11.400	4.900	0.000	3.783	-1.500	191.8	54.61374	1434	53.41	84.7	367.238632	418.378571
3.80E+00	-11.400	4.900	0.000	3.782	-3.700	192.2	54.69	1440	53.41	84.3	370.055943	424.771526
3.80E+00	-11.400	4.900	0.000	3.778	-3.500	192.9	55.62326	1449	53.861	83.6	370.863218	429.717483
3.80E+00	-11.400	4.900	0.000	3.773	-3.400	193.7	57.46109	1459	54.03	88.9	371.380341	435.291627
3.80E+00	-11.400	4.900	0.000	3.769	-6.300	194.5	62.44698	1469	54.65	83.1	360.504177	442.173077
3.80E+00	-11.400	4.900	0.000	3.771	-2.100	195.2	60.90473	1478	54.65	82.3	343.628052	446.78241
3.80E+00	-11.400	4.900	0.000	3.778	-5.000	195.8	59.04346	1488	55.27	83.5	343.198333	448.902599
3.80E+00	-11.400	4.900	0.000	3.789	-3.800	195.8	47.08433	1491	55.27	77.7	342.674324	446.6243
3.80E+00	-11.400	4.900	0.000	3.829	-5.800	195.8	21.7009	1485	55.171	83.2	340.321676	428.5104
3.80E+00	-11.400	4.800	0.000	3.800	-2.700	195.8	36.44333	1479	54.65	95.8	331.675783	417.541207
3.80E+00	-11.400	4.800	0.000	3.763	-2.600	195.8	41.59676	1483	55.27	84.3	320.680519	421.436522
3.80E+00	-11.400	4.900	0.000	3.800	-3.400	195.8	44.35897	1486	55.27	83.2	311.968041	429.46044
3.80E+00	-11.400	4.900	0.000	3.795	-3.500	195.8	44.24379	1495	55.27	80.7	322.076618	433.512184
3.80E+00	-11.300	4.900	0.000	3.799	-7.700	195.8	41.68082	1500	55.89	77.7	322.399896	435.260822
3.80E+00	-11.200	4.900	0.000	3.819	-2.400	195.8	28.92194	1503	55.89	67.7	326.986923	424.55499
3.80E+00	-11.300	4.900	0.000	3.843	-5.300	195.8	23.49776	1495	55.89	41.6	337.532021	408.96071
3.90E+00	-11.300	4.900	0.000	3.870	0.800	195.8	24.48944	1487	55.27	38.3	341.968947	387.212308
3.90E+00	-11.300	4.900	0.000	3.923	5.200	195.8	26.77085	1482	55.27	60.1	340.480769	373.869527
3.90E+00	-11.300	4.900	0.000	3.934	9.500	195.8	26.33691	1481	54.884	56.2	337.289375	366.762202
3.90E+00	-11.300	4.900	0.000	3.913	8.200	195.8	30.97004	1482	55.27	72.1	328.389286	364.147843
3.90E+00	-11.300	4.900	0.000	3.874	6.300	195.8	35.90517	1484	55.27	77.8	330.03526	369.462786
3.80E+00	-11.300	4.900	0.000	3.843	5.100	195.4	35.97202	1492	55.27	79.1	334.222212	375.00442
3.80E+00	-11.200	4.900	0.000	3.835	0.300	195.1	32.40424	1501	55.89	68.9	335.577746	375.735542
3.90E+00	-11.100	5.000	0.000	3.926	1.600	194.7	30.00708	1502	55.89	65.9	334.14	372.197815
4.00E+00	-11.000	5.100	0.000	4.019	0.000	194.4	24.51776	1503	55.89	47.5	330.796923	364.837917
4.00E+00	-11.000	5.100	0.000	4.046	5.100	194	25.97213	1508	55.89	62.1	328.168456	357.793005
4.00E+00	-11.000	5.100	0.000	4.034	7.500	194	37.4783	1520	56.51	81.2	327.831096	362.115354

1.51066	0.02774	1.60994	2932.5
1.51096	0.02774	1.61123	2936.039
1.51131	0.02778	1.61247	2938.21
1.51165	0.02778	1.61463	2939.333
1.51199	0.02778	1.61811	2939.972
1.51232	0.02778	1.62064	2940.393
1.51265	0.02778	1.62297	2940.695
1.51297	0.02778	1.62566	2940.944
1.51328	0.02778	1.62854	2941.146
1.51348	0.02778	1.63047	2941.276
1.51364	0.02778	1.63324	2941.611
1.5138	0.02779	1.63709	2942.548
1.51397	0.02779	1.64137	2944.578
1.51417	0.02782	1.64567	2948.058
1.51448	0.02782	1.65148	2955.066
1.51481	0.02782	1.65683	2963.691
1.51515	0.02782	1.6606	2972.834
1.5155	0.02782	1.66415	2982.044
1.51584	0.02782	1.66766	2991.144
1.51617	0.02782	1.67108	2999.99
1.5165	0.02782	1.67447	3008.781
1.51683	0.02782	1.6779	3017.697
1.51717	0.02782	1.68138	3026.845
1.51753	0.02782	1.68468	3036.628
1.5179	0.02782	1.68797	3046.96
1.51827	0.02782	1.69122	3057.147
1.51863	0.02782	1.69448	3066.849
1.51891	0.02782	1.69732	3074.093
1.51911	0.02782	1.69941	3078.818
1.51933	0.02782	1.70197	3083.628
1.51958	0.02782	1.70477	3089.348
1.51985	0.02782	1.7078	3096.105
1.52012	0.02782	1.71123	3102.955
1.52035	0.02782	1.71384	3108.714
1.52053	0.02782	1.71526	3113.048
1.52067	0.02782	1.71671	3116.14
1.52082	0.02783	1.71835	3119.175
1.52097	0.02789	1.71975	3121.714
1.52114	0.02801	1.72106	3124.333
1.52133	0.02813	1.72309	3127.686
1.52155	0.02824	1.72614	3132.009
1.52177	0.02833	1.72841	3136.814
1.52198	0.02833	1.73026	3141.624
1.52217	0.02835	1.73201	3145.734
1.52233	0.02835	1.73354	3148.872
1.52251	0.02842	1.73531	3152.131
1.52273	0.02854	1.73802	3156.388

10:46:27.944	-14	0.00032	0.00012	0.00467	7.162	0.000692	57.9
10:46:28.944	-14	0.00044	0.00008	0.00478	11.495	0.001109	58.2
10:46:29.944	-14	0.00058	0	0.00388	15.182	0.001464	59.1
10:46:30.944	-14	0.00064	0.00001	0.00442	15.661	0.001511	60.3
10:46:31.944	-14	0.00045	0	0.00355	9.714	0.000938	61.8
10:46:32.944	-14	0.00035	0.00002	0.00318	7.301	0.000705	63.6
10:46:33.944	-14	0.00035	0	0.00324	7.54	0.000728	64.6
10:46:34.944	-14	0.00025	0	0.00196	5.61	0.000542	65.9
10:46:35.944	-14	0.00019	0	0.00136	4.121	0.000398	66.7
10:46:36.944	-14	0.0002	0.00004	0.00138	3.675	0.000355	67.6
10:46:37.944	-14	0.0002	0.00014	0.00053	2.528	0.000245	67.6
10:46:38.944	-14	0.0002	0.00003	0.00053	1.483	0.000144	67.6
10:46:39.944	-14	0.00021	0.00004	0.00111	0.818	0.000079	67.3
10:46:40.944	-14	0.00021	0	0.00169	0.513	0.00005	66.9
10:46:41.944	-14	0.00021	0.00001	0.00199	0.372	0.000036	66.6
10:46:42.944	-14	0.00021	0	0.002	0.278	0.000027	66.3
10:46:43.944	-14	0.00024	0.00001	0.00228	0.353	0.000035	66.1
10:46:44.944	-14	0.00025	0.00001	0.00461	1.405	0.000137	65.9
10:46:45.944	-14	0.00024	0	0.00415	2.303	0.000223	66.1
10:46:46.944	-14	0.00023	0.00013	0.002	2.191	0.000212	66.3
10:46:47.944	-14	0.00023	0.00004	0.00145	1.649	0.00016	66.3
10:46:48.944	-14	0.00021	0.00006	0.00253	1.798	0.000174	66.2
10:46:49.944	-14	0.00021	0.00002	0.00189	1.743	0.000169	66.1
10:46:50.944	-14	0.00023	0.00004	0.00232	1.6	0.000155	65.9
10:46:51.944	-14	0.0004	0.00001	0.00195	1.859	0.00018	65.8
10:46:52.944	-14	0.00045	0	0.00181	0.989	0.000096	65.6
10:46:53.944	-14	0.00045	0	0.00278	0.49	0.000048	65.2
10:46:54.944	-14	0.00043	0	0.00353	0.326	0.00004	64.7
10:46:55.944	-14	0.0004	0	0.00373	0.237	0.000038	63.9
10:46:56.944	-14	0.00026	0	0.00238	0.177	0.000024	62.9
10:46:57.944	-14	0.00023	0	0.0026	0.54	0.000053	62.5
10:46:58.944	-14	0.00022	0	0.0036	1.348	0.000131	61.9
10:46:59.944	-14	0.00022	0.00001	0.00397	2.427	0.000235	61.9
10:47:00.944	-14	0.00023	0.00002	0.00307	3.053	0.000296	62
10:47:01.944	-14	0.00023	0.00003	0.00224	3.568	0.000345	62
10:47:02.944	-14	0.00042	0.00003	0.00596	8.197	0.000792	62
10:47:03.944	-14	0.00057	0	0.00743	13.3	0.001284	62.3
10:47:04.944	-14	0.00062	0	0.0066	14.832	0.001431	62.7
10:47:05.944	-14	0.00062	0	0.0062	14.617	0.001411	63.8
10:47:06.944	-14	0.00044	0	0.00438	9.508	0.000918	65.2
10:47:07.944	-14	0.00025	0	0.00172	4.986	0.000482	66.2
10:47:08.944	-14	0.00023	0	0.00236	4.345	0.00042	67.4
10:47:09.944	-14	0.00018	0	0.00191	3.305	0.000319	67.4
10:47:10.944	-14	0.00018	0.00001	0.00158	3.242	0.000313	67.3
10:47:11.944	-14	0.00019	0.00012	0.00158	2.981	0.000288	66.8
10:47:12.944	-14	0.0002	0.00009	0.00227	2.802	0.000271	66.1
10:47:13.944	-14	0.00024	0.00015	0.0032	3.674	0.000356	65.4

4.00E+00	-11.000	5.100	0.000	3.985	5.100	194	49.76484	1541	56.94	88.5	333.788642	379.163152
4.00E+00	-11.000	5.200	0.000	3.988	2.400	194	65.70337	1567	58.308	79	337.509604	402.894652
4.10E+00	-10.900	5.400	0.000	4.123	0.000	194	89.22902	1612	59.546	86.3	347.628491	430.005352
4.20E+00	-10.800	5.400	0.000	4.165	0.100	194	92.04434	1659	61.374	85.9	358.006378	452.373899
4.30E+00	-10.500	5.500	0.000	4.286	-1.600	194.4	64.65274	1689	62.839	70.9	345.412139	456.27109
4.30E+00	-10.500	5.500	0.000	4.302	1.000	194.8	49.57793	1717	63.96	87.4	352.226515	451.782849
4.30E+00	-10.400	5.500	0.000	4.291	-1.800	195.1	50.85871	1738	64.681	82.9	352.264898	452.036869
4.30E+00	-10.400	5.500	0.000	4.277	-0.100	195.5	39.27642	1758	65.2	70.6	352.768644	449.078508
4.30E+00	-10.400	5.500	0.000	4.292	-1.000	195.7	27.05769	1764	65.83	52.7	354.921552	433.675644
4.30E+00	-10.400	5.500	0.000	4.347	2.800	195.4	27.09286	1760	65.2	24.2	344.554893	406.360178
4.50E+00	-10.500	5.500	0.000	4.450	9.900	195	29.28577	1756	65.2	0.3	337.633846	375.197403
4.50E+00	-10.500	5.500	0.000	4.546	2.000	194.6	28.77	1748	65.2	0	333.610256	347.3958
4.60E+00	-10.500	5.500	0.000	4.611	3.000	194.3	28.50407	1741	64.58	0	331.060185	325.587745
4.60E+00	-10.600	5.400	0.000	4.558	-1.000	193.9	29.61389	1731	64.396	0	328.503977	306.339348
4.60E+00	-10.600	5.400	0.000	4.572	0.500	193.5	30.32496	1725	63.96	0	329.293333	290.190778
4.60E+00	-10.800	5.400	0.000	4.580	-0.900	193.1	29.62667	1716	63.96	5.5	325.052454	278.001719
4.60E+00	-11.000	5.400	0.000	4.576	0.400	192.7	36.78247	1720	63.96	40.1	322.325964	270.130928
4.50E+00	-11.000	5.400	0.000	4.495	0.700	192.4	36.38333	1724	63.96	46.7	322.665204	289.354545
4.40E+00	-11.000	5.400	0.000	4.424	0.200	192	32.65215	1723	63.96	17.4	323.824948	289.0991
4.50E+00	-11.000	5.500	0.000	4.482	8.200	191.6	38.76	1720	63.96	28.1	321.831106	278.6696
4.60E+00	-11.000	5.600	0.000	4.625	3.000	191.2	32.2215	1718	63.96	37.3	323.364865	282.498161
4.60E+00	-11.000	5.600	0.000	4.599	4.200	190.8	27.87282	1722	63.96	38	310.088747	275.670684
4.60E+00	-11.100	5.600	0.000	4.604	1.500	190.4	25.32856	1713	63.636	24.8	305.026168	271.203426
4.60E+00	-11.100	5.600	0.000	4.631	2.500	190.4	27.75341	1709	63.34	4.1	302.140909	262.21875
4.70E+00	-11.100	5.600	0.000	4.679	0.400	190.4	58.25209	1699	63.375	0.1	297.800612	250.782857
4.70E+00	-11.100	5.500	0.000	4.668	-1.800	190.4	62.90666	1685	62.72	0	295.080126	237.117083
4.70E+00	-11.200	5.500	0.000	4.668	-1.200	190.4	61.18146	1664	61.651	0	293.19	223.833
4.70E+00	-11.300	5.500	0.000	4.660	-1.400	190.4	59.94006	1643	61.026	0	288.676104	212.9742
4.60E+00	-11.300	5.400	0.000	4.576	-1.600	190	58.66329	1625	60.24	0	284.601727	204.294
4.60E+00	-11.300	5.400	0.000	4.576	-5.600	189.7	31.23154	1615	60.24	13.6	281.628654	201.0496
4.60E+00	-11.300	5.400	0.000	4.559	-2.000	189.3	30.69457	1617	59.62	41.4	282.98125	210.526042
4.50E+00	-11.400	5.400	0.000	4.487	-3.600	188.9	31.31639	1619	60.24	53.9	303.315943	229.239783
4.40E+00	-11.400	5.400	0.000	4.396	0.600	188.6	30.59934	1620	60.24	51.3	307.222885	244.6452
4.40E+00	-11.400	5.400	0.000	4.352	1.200	188.6	31.71482	1623	60.24	56.4	311.079559	257.814
4.20E+00	-11.300	5.300	0.000	4.244	1.500	188.6	33.41221	1622	60.24	64.3	314.58237	270.821522
4.20E+00	-11.400	5.300	0.000	4.174	1.000	188.6	66.76369	1638	60.86	96.4	322.286939	301.719512
4.10E+00	-11.300	5.300	0.000	4.115	-2.200	188.6	88.89791	1667	61.739	84.6	331.674712	355.963844
4.10E+00	-11.300	5.300	0.000	4.101	-2.600		93.88702	1706	63.083	85	329.4	394.164309
4.10E+00	-11.100	5.300	0.000	4.109	-5.800		95.70363	1739	64.322	82.9	325.318522	417.75984
4.10E+00	-10.700	5.300	0.000	4.138	-3.700		75.77514	1752	65.2	77.5	322.324581	424.700684
4.20E+00	-10.400	5.300	0.000	4.172	-3.900		36.0304	1754	65.2	76.1	319.878485	411.166667
4.20E+00	-10.300	5.300	0.000	4.184	-2.700		34.09769	1751	65.2	63.6	317.59875	399.741434
4.20E+00	-10.300	5.300	0.000	4.187	-0.300	192.2	29.02983	1736	64.58	50.6	315.815607	383.366466
4.20E+00	-10.300	5.300	0.000	4.202	1.000	192.2	28.3112	1727	64.264	49.2	314.686957	365.927059
4.20E+00	-10.300	5.300	0.000	4.240	8.800	192.2	30.10588	1704	63.34	45.7	313.754857	346.639286
4.30E+00	-10.400	5.300	0.000	4.266	6.700	192.2	30.04058	1687	62.72	58	311.5442	337.247053
4.20E+00	-10.400	5.300	0.000	4.240	8.800	192.2	37.06226	1672	62.1	69	308.980533	337.984548

1.52305	0.02866	1.74269	3163.55
1.52349	0.02874	1.74747	3175.045
1.52407	0.02874	1.75135	3190.227
1.52471	0.02875	1.75577	3205.888
1.52516	0.02875	1.75932	3215.602
1.52551	0.02877	1.7625	3222.903
1.52586	0.02877	1.76574	3230.443
1.52611	0.02877	1.7677	3236.053
1.5263	0.02877	1.76906	3240.174
1.5265	0.02881	1.77044	3243.849
1.5267	0.02895	1.77097	3246.377
1.5269	0.02898	1.7715	3247.86
1.52711	0.02902	1.77261	3248.678
1.52732	0.02902	1.7743	3249.191
1.52753	0.02903	1.77629	3249.563
1.52774	0.02903	1.77829	3249.841
1.52798	0.02904	1.78057	3250.194
1.52823	0.02905	1.78518	3251.599
1.52847	0.02905	1.78933	3253.902
1.5287	0.02918	1.79133	3256.093
1.52893	0.02922	1.79278	3257.742
1.52914	0.02928	1.79531	3259.54
1.52935	0.0293	1.7972	3261.283
1.52958	0.02934	1.79952	3262.883
1.52998	0.02935	1.80147	3264.742
1.53043	0.02935	1.80328	3265.731
1.53088	0.02935	1.80606	3266.221
1.53131	0.02935	1.80959	3266.547
1.53171	0.02935	1.81332	3266.784
1.53197	0.02935	1.8157	3266.961
1.5322	0.02935	1.8183	3267.501
1.53242	0.02935	1.8219	3268.849
1.53264	0.02936	1.82587	3271.276
1.53287	0.02938	1.82894	3274.329
1.5331	0.02941	1.83118	3277.897
1.53352	0.02944	1.83714	3286.094
1.53409	0.02944	1.84457	3299.394
1.53471	0.02944	1.85117	3314.226
1.53533	0.02944	1.85737	3328.843
1.53577	0.02944	1.86175	3338.351
1.53602	0.02944	1.86347	3343.337
1.53625	0.02944	1.86583	3347.682
1.53643	0.02944	1.86774	3350.987
1.53661	0.02945	1.86932	3354.229
1.5368	0.02957	1.8709	3357.21
1.537	0.02966	1.87317	3360.012
1.53724	0.02981	1.87637	3363.686

10:47:14.944	-14	0.00024	0.00005	0.00301	4.382	0.000424	64.6
10:47:15.944	-14	0.00022	0.00004	0.00189	4.227	0.000408	64.1
10:47:16.944	-14	0.00021	0.00003	0.00142	3.509	0.000339	63.4
10:47:17.944	-14	0.0002	0.00003	0.00169	2.53	0.000245	62.5
10:47:18.944	-14	0.00021	0.00006	0.00254	2.897	0.00028	61.5
10:47:19.944	-14	0.00023	0.00004	0.00369	3.641	0.000352	60.7
10:47:20.944	-14	0.00026	0.00002	0.00304	4.749	0.000459	59.7
10:47:21.944	-14	0.0004	0	0.00589	8.715	0.000842	59
10:47:22.944	-14	0.00069	0	0.01168	17.983	0.001735	58.1
10:47:23.944	-14	0.00075	0	0.00995	20.634	0.001989	58.1
10:47:24.944	-14	0.00073	0	0.00471	18.022	0.001738	58
10:47:25.944	-14	0.00139	0	0.00773	17.344	0.001674	58.9
10:47:26.944	-14	0.00149	0	0.00768	15.782	0.001524	60.1
10:47:27.944	-14	0.00102	0	0.00357	9.934	0.00096	60.6
10:47:28.944	-14	0.00065	0	0.0035	8.477	0.000819	61.2
10:47:29.944	-14	0.00046	0	0.0042	8.525	0.000824	60.9
10:47:30.944	-14	0.00046	0	0.00435	9.051	0.000874	60.6
10:47:31.944	-14	0.00053	0	0.00551	11.116	0.001074	60.3
10:47:32.944	-14	0.00065	0	0.00601	14.39	0.001389	60
10:47:33.944	-14	0.00083	0	0.00667	18.867	0.001821	60
10:47:34.944	-14	0.00089	0	0.00689	20.73	0.002	60.1
10:47:35.944	-14	0.00161	0	0.00658	19.016	0.001835	60.9
10:47:36.944	-14	0.00235	0	0.00586	14.92	0.001441	61.8
10:47:37.944	-14	0.00145	0	0.00409	7.708	0.000745	62.5
10:47:38.944	-14	0.00056	0	0.00119	3.564	0.000344	63.3
10:47:39.944	-14	0.00035	0	0.00183	3.983	0.000385	62.9
10:47:40.944	-14	0.00072	0.00002	0.01381	12.666	0.001225	62.3
10:47:41.944	-14	0.00127	0	0.0296	27.868	0.002691	61.7
10:47:42.944	-14	0.00276	0	0.00931	13.25	0.001281	61
10:47:43.944	-14	0.00126	0	0.00042	2.859	0.000277	61.7
10:47:44.944	-14	0.00178	0	0.00426	5.185	0.000502	62.6
10:47:45.944	-14	0.00184	0	0.0127	13.565	0.001312	61.6
10:47:46.944	-14	0.00283	0	0.01283	20.201	0.001951	60.4
10:47:47.944	-14	0.00375	0	0.0065	12.993	0.001255	61.1
10:47:48.944	-14	0.00396	0	0.00712	11.464	0.001108	61.9
10:47:49.944	-14	0.00334	0	0.00869	13.592	0.001313	62.1
10:47:50.944	-14	0.00168	0	0.005	10.548	0.001019	62.4
10:47:51.944	-14	0.0013	0.00007	0.00708	15.274	0.001475	62.4
10:47:52.944	-14	0.00132	0	0.00957	22.602	0.00218	62.5
10:47:53.944	-14	0.00446	0	0.00912	24.549	0.002367	63.1
10:47:54.944	-14	0.00854	0	0.00654	20.647	0.001992	63.8
10:47:55.944	-14	0.01133	0	0.00515	22.391	0.00216	65
10:47:56.944	-14	0.0115	0	0.00608	21.248	0.002051	66.4
10:47:57.944	-14	0.0111	0	0.0064	18.505	0.001787	67.3
10:47:58.944	-14	0.01011	0	0.00638	16.913	0.001633	68.5
10:47:59.944	-14	0.00651	0	0.00565	12.902	0.001246	69
10:48:00.944	-14	0.00502	0	0.00668	15.153	0.001463	69.7

4.20E+00	-10.500	5.300	0.000	4.198	3.100
4.20E+00	-10.500	5.300	0.000	4.183	2.600
4.20E+00	-10.500	5.300	0.000	4.220	1.700
4.30E+00	-10.600	5.300	0.000	4.294	1.800
4.20E+00	-10.700	5.200	0.000	4.193	3.700
4.20E+00	-10.900	5.200	0.000	4.155	2.200
4.10E+00	-10.900	5.200	0.000	4.119	1.200
4.10E+00	-10.900	5.300	0.000	4.121	-1.800
4.10E+00	-10.900	5.300	0.000	4.069	0.000
4.10E+00	-8.000	5.300	0.000	4.050	-3.400
4.10E+00	0.000	5.400	0.000	4.146	-2.800
8.00E+00	4.900	5.400	3.820	4.174	-3.400
8.70E+00	5.800	5.400	4.501	4.208	-4.300
8.40E+00	5.200	5.500	4.070	4.329	-1.000
5.90E+00	1.900	5.500	1.518	4.351	-4.500
4.30E+00	-2.200	5.500	0.000	4.336	-0.500
4.30E+00	-5.300	5.500	0.000	4.319	-4.500
4.30E+00	-7.000	5.500	0.000	4.293	-2.200
4.30E+00	-7.900	5.600	0.000	4.329	-4.100
4.30E+00	-8.100	5.600	0.000	4.332	-3.300
4.30E+00	-5.200	5.600	0.000	4.327	-3.500
8.20E+00	4.900	5.700	3.778	4.421	-5.900
1.43E+01	12.600	5.800	9.796	4.504	-3.600
1.60E+01	14.500	5.900	11.379	4.611	-5.600
1.23E+01	9.600	6.000	7.584	4.742	-1.700
6.70E+00	2.400	6.000	1.919	4.755	-2.700
4.70E+00	-3.000	6.000	0.000	4.716	0.400
4.70E+00	-1.300	6.100	0.000	4.680	0.000
1.67E+01	14.400	6.900	11.344	5.404	-1.800
2.18E+01	19.100	7.700	15.574	6.261	-1.600
1.70E+01	13.000	8.000	10.551	6.484	-3.600
9.90E+00	4.600	7.900	3.630	6.294	-2.600
1.30E+01	8.700	8.000	6.757	6.208	-5.600
2.51E+01	23.600	8.400	18.486	6.576	-2.100
2.89E+01	27.400	9.400	21.530	7.367	-3.200
2.14E+01	18.000	9.400	14.079	7.360	-3.500
1.40E+01	8.600	9.200	6.763	7.237	0.100
7.90E+00	1.600	8.600	1.238	6.696	1.500
6.10E+00	-0.100	7.900	0.000	6.078	-0.100
1.97E+01	17.900	7.800	13.735	5.955	-3.600
4.10E+01	44.400	8.700	34.305	6.695	-2.000
4.93E+01	52.800	10.800	40.878	8.377	-6.300
5.14E+01	54.000	12.200	41.912	9.464	-3.300
5.51E+01	56.900	13.800	44.344	10.725	-4.700
5.34E+01	53.700	14.700	41.924	11.480	-5.600
4.36E+01	40.900	14.800	32.041	11.596	-2.500
3.11E+01	25.700	14.300	19.985	11.095	-6.400

192	39.59724	1655	61.48	68	307.792308	345.407921
191.7	28.52549	1618	60.367	35.7	308.239419	340.544529
191.3	33.09249	1608	59.771	27.1	304.670436	322.147296
190.9	29.89307	1583	58.99	53.9	303.071166	315.614505
190.6	32.75757	1559	57.879	63.2	301.870625	317.066467
190.4	33.09086	1540	57.257	67.2	301.104979	321.3097
190.4	37.69908	1518	56.51	81.4	300.677083	328.53956
190.4	60.27458	1509	55.89	94.9	302.616327	353.907193
190.4	98.55852	1529	55.89	99.2	311.426804	404.597446
190.4	139.21697	1886	57.133	98.9	337.624142	460.684111
	113.06036	1887	58.37	92.8	355.175417	486.956722
	110.05668	1909	58.99	85.1	352.970436	490.621569
	113.87338	1926	59.62	65.3	354.287755	494.903976
	75.85871	1922	59.522	64.7	351.546242	468.5585
	72.90067	1911	58.99	70.9	347.461088	451.392836
194	63.35942	1896	58.37	76.1	352.066755	442.326667
194	64.44938	1884	58.37	78.6	357.125	441.306993
194	75.67511	1880	57.75	80	359.361006	448.240447
194	97.52237	1886	58.37	79.8	369.382591	464.704348
194	120.76698	1908	58.539	88.2	373.385714	484.888069
194.3	131.26798	1944	59.866	90.6	395.947358	506.231011
194.6	123.82724	1975	60.86	84.3	403.191667	514.347609
195	105.50553	1987	61.48	74.3	419.8	506.644694
195.4	70.89065	1988	61.48	71.2	410.878846	489.532468
195.8	25.17579	1724	60.14	45.6	401.209981	463.300699
	31.96934	1605	59.28	82.3	386.449002	442.7
	85.675	1633	58.99	98	385.5875	457.3
	168.65824	2386	59.92	99.6	405.548893	503.936735
	114.39771	2376	60.547	32.4	436.942259	515.42
	43.78863	1767	59.303	4.8	404.032645	448.602703
195.8	71.66863	1628	58.37	71.8	377.800416	419.524412
195.8	107.75395	1629	58.654	97.3	388.208351	455.164821
195.8	154.91912	1970	59.525	98.9	401.876569	504.443772
195.8	94.58316	1955	60.24	70.9	394.822433	511.310977
195.9	90.08394	1958	60.24	65.6	388.158778	497.848387
196.2	98.63981	1962	60.502	83.7	370.940865	499.906229
196.6	72.67863	1960	60.515	72.4	364.860074	491.700532
197	84.70722	1963	60.616	87	364.709756	493.774006
197.4	134.6812	2003	61.846	98.5	365.766875	534.387912
197.7	145.3776	2048	63.084	94.1	368.009694	567.20959
198.1	130.91249	2079	64.271	84.2	378.448998	566.686127
198.5	148.57758	2116	65.324	85.4	382.678261	556.851034
198.8	156.072	2149	66.278	85.7	389.141443	560.69898
199.2	128.18156	2169	66.893	80.9	391.644536	548.873227
199.4	125.49761	2185	67.512	77.6	393.225	540.376553
199.4	101.20377	2055	67.69	74.7	409.778195	524.945597
199.4	103.49382	1838	67.87	86.5	442.695652	528.973103

1.53748	0.02986	1.87938	3368.068
1.5377	0.0299	1.88127	3372.295
1.53791	0.02993	1.88269	3375.804
1.53811	0.02996	1.88438	3378.334
1.53832	0.03002	1.88692	3381.231
1.53855	0.03006	1.89061	3384.872
1.53881	0.03008	1.89365	3389.621
1.53921	0.03008	1.89954	3398.336
1.5399	0.03008	1.91122	3416.319
1.54065	0.03008	1.92117	3436.953
1.54138	0.03008	1.92588	3454.975
1.54277	0.03008	1.93361	3472.319
1.54426	0.03008	1.94129	3488.101
1.54528	0.03008	1.94486	3498.035
1.54593	0.03008	1.94836	3506.512
1.54639	0.03008	1.95256	3515.037
1.54685	0.03008	1.95691	3524.088
1.54738	0.03008	1.96242	3535.204
1.54803	0.03008	1.96843	3549.594
1.54886	0.03008	1.9751	3568.461
1.54975	0.03008	1.98199	3589.191
1.55136	0.03008	1.98857	3608.207
1.55371	0.03008	1.99443	3623.127
1.55516	0.03008	1.99852	3630.835
1.55572	0.03008	1.99971	3634.399
1.55607	0.03008	2.00154	3638.382
1.55679	0.0301	2.01535	3651.048
1.55806	0.0301	2.04495	3678.916
1.56082	0.0301	2.05426	3692.166
1.56208	0.0301	2.05468	3695.025
1.56386	0.0301	2.05894	3700.21
1.5657	0.0301	2.07164	3713.775
1.56853	0.0301	2.08447	3733.976
1.57228	0.0301	2.09097	3746.969
1.57624	0.0301	2.09809	3758.433
1.57958	0.0301	2.10678	3772.025
1.58126	0.0301	2.11178	3782.573
1.58256	0.03017	2.11886	3797.847
1.58388	0.03017	2.12843	3820.449
1.58834	0.03017	2.13755	3844.998
1.59688	0.03017	2.14409	3865.645
1.60821	0.03017	2.14924	3888.036
1.61971	0.03017	2.15532	3909.284
1.63081	0.03017	2.16172	3927.789
1.64092	0.03017	2.1681	3944.702
1.64743	0.03017	2.17375	3957.604
1.65245	0.03017	2.18043	3972.757

10:48:01.944	-14	0.00397	0	0.00475	16.31	0.001574	70
10:48:02.944	-14	0.00288	0	0.00406	13.523	0.001305	70.3
10:48:03.944	-14	0.00219	0	0.00422	10.782	0.001041	70.7
10:48:04.944	-14	0.00161	0	0.00394	10.169	0.000982	71.2
10:48:05.944	-14	0.00093	0	0.00353	10.024	0.000968	71.2
10:48:06.944	-14	0.00073	0	0.00358	10.738	0.001036	71.2
10:48:07.944	-14	0.00077	0	0.00366	13.128	0.001266	71.2
10:48:08.944	-14	0.00073	0	0.0037	13.283	0.001281	71.1
10:48:09.944	-14	0.0007	0	0.00414	12.818	0.001237	71.4
10:48:10.944	-14	0.00065	0	0.00433	12.423	0.001199	71.7
10:48:11.944	-14	0.0005	0	0.00366	9.604	0.000927	72.1
10:48:12.944	-14	0.00035	0	0.00296	6.215	0.0006	72.5
10:48:13.944	-14	0.00039	0	0.00418	7.096	0.000686	72.5
10:48:14.944	-14	0.00053	0	0.0063	10.644	0.001028	72.5
10:48:15.944	-14	0.00058	0	0.00468	12.272	0.001184	72.4
10:48:16.944	-14	0.0005	0	0.00337	10.448	0.001008	72.3
10:48:17.944	-14	0.00049	0	0.00379	10.056	0.000971	72.7
10:48:18.944	-14	0.00044	0	0.00383	9.211	0.000889	73.1
10:48:19.944	-14	0.00061	0	0.00529	13.399	0.001293	73.1
10:48:20.944	-14	0.00064	0	0.00424	14.337	0.001383	73.1
10:48:21.944	-14	0.00061	0	0.0038	13.431	0.001296	73.5
10:48:22.944	-14	0.00054	0	0.00369	11.314	0.001092	74
10:48:23.944	-14	0.00039	0	0.00321	7.525	0.000727	74.5
10:48:24.944	-14	0.00036	0	0.00367	6.767	0.000654	75
10:48:25.944	-14	0.00045	0	0.00506	9.147	0.000883	74.9
10:48:26.944	-14	0.00048	0	0.00396	9.212	0.00089	74.8
10:48:27.944	-14	0.00032	0	0.00078	4.404	0.000426	74.8
10:48:28.944	-14	0.00025	0	0.00052	1.724	0.000167	74.7
10:48:29.944	-14	0.00028	0	0.00252	1.271	0.000123	73.8
10:48:30.944	-14	0.00032	0	0.00591	3.479	0.000337	72.7
10:48:31.944	-14	0.00037	0	0.00674	6.321	0.000612	72.3
10:48:32.944	-14	0.00039	0	0.00478	7.943	0.000768	71.8
10:48:33.944	-14	0.00038	0	0.00355	8.392	0.00081	71.8
10:48:34.944	-14	0.00039	0	0.00327	8.922	0.000861	71.9
10:48:35.944	-14	0.00038	0	0.00313	8.542	0.000825	72
10:48:36.944	-14	0.00024	0	0.00198	5.381	0.00052	72.2
10:48:37.944	-14	0.00024	0	0.00197	4.954	0.000479	72.2
10:48:38.944	-14	0.00027	0	0.00315	5.273	0.00051	72.2
10:48:39.944	-14	0.0003	0	0.00397	5.859	0.000566	71.6
10:48:40.944	-14	0.00033	0	0.00414	7.062	0.000682	70.9
10:48:41.944	-14	0.0004	0	0.0041	9.472	0.000914	70.6
10:48:42.944	-14	0.00049	0	0.00386	12.338	0.00119	70.3
10:48:43.944	-14	0.00051	0	0.00285	12.83	0.001238	70.3
10:48:44.944	-14	0.00051	0	0.00338	12.246	0.001182	70.3
10:48:45.944	-14	0.00049	0	0.00383	11.694	0.001129	70.7
10:48:46.944	-14	0.0005	0	0.00446	11.885	0.001147	71.1
10:48:47.944	-14	0.00051	0	0.00481	11.953	0.001154	71.1

2.33E+01	17.300	12.700	13.455	9.845	-2.800	199.4	110.31442	1850	68.646	87.8	456.752115	537.314658
1.98E+01	14.500	11.000	11.253	8.587	-5.600	199.4	97.45887	1858	68.93	76.4	458.744023	533.483874
1.85E+01	13.000	10.700	10.166	8.362	-3.200	199.4	73.7611	1856	68.93	84.2	445.083804	525.951138
1.48E+01	8.800	10.300	6.816	8.018	-5.100	199.4	68.43498	1854	68.93	81.8	446.102825	522.323824
8.80E+00	2.200	9.200	1.721	7.116	-4.300	199.4	66.8164	1850	68.93	81.2	446.128099	517.516099
6.60E+00	-2.100	8.600	0.000	6.645	-4.600	199.4	69.84185	1848	68.93	82.3	441.759831	515.5
5.80E+00	-4.700	7.600	0.000	5.846	-4.200	199.4	84.77752	1856	68.93	82	443.066571	518.519219
5.50E+00	-6.300	7.100	0.000	5.507	-2.400	199.4	84.94966	1865	69.385	80.8	446.226616	521.646085
5.30E+00	-6.700	6.900	0.000	5.342	-6.600	199.4	82.22538	1873	69.55	82.9	447.901395	520.17972
5.00E+00	-6.800	6.400	0.000	5.003	-3.300	199.4	80.80369	1881	70.088	80.3	437.152308	518.156
4.90E+00	-6.900	6.300	0.000	4.900	-6.600	199.4	68.02919	1891	70.17	76.6	421.706912	511.72087
4.90E+00	-7.200	6.200	0.000	4.870	-3.700		43.02057	1886	70.17	74.7	417.298491	496.474118
4.80E+00	-8.000	6.100	0.000	4.778	-3.400		46.52919	1880	70.077	79	415.727547	486.666667
4.70E+00	-8.300	6.000	0.000	4.667	-5.300		72.11431	1882	70.17	85.3	415.823709	496.341942
4.60E+00	-8.700	6.000	0.000	4.644	-5.400		83.10725	1892	70.278	77.1	419.545021	509.994705
4.60E+00	-8.800	5.900	0.000	4.580	-6.300		67.62411	1902	70.79	75.4	422.591914	508.758309
4.60E+00	-8.800	5.900	0.000	4.585	-2.500	199.4	67.74085	1910	70.79	81.7	423.502505	506.773209
4.50E+00	-8.800	5.800	0.000	4.529	-5.600	199.4	58.78555	1904	70.79	74.8	419.603417	501.465302
4.50E+00	-8.800	5.800	0.000	4.489	-2.600	199.4	87.78186	1914	71.04	93.8	408.017692	510.194118
4.50E+00	-8.800	5.800	0.000	4.481	-6.900	199.4	94.46791	1927	71.42	81.6	404.758462	522.061468
4.50E+00	-8.400	5.800	0.000	4.487	-5.700	199.4	87.72392	1942	72.04	81	414.425562	522.107826
4.50E+00	-7.600	5.800	0.000	4.504	-4.200	199.2	79.87165	1950	72.66	77.5	412.306135	518.407933
4.50E+00	-7.400	5.800	0.000	4.532	-4.500	198.9	40.50456	1949	72.66	77.5	408.183951	500.610872
4.50E+00	-7.500	5.800	0.000	4.548	-2.700	198.5	48.87766	1947	72.66	79.9	406.327273	488.968173
4.50E+00	-8.300	5.700	0.000	4.463	-5.600	198.1	60.81176	1943	72.04	80	407.36558	485.681081
4.40E+00	-8.700	5.600	0.000	4.413	-4.400	197.8	71.90813	1939	72.04	52	415.939072	499.199023
4.40E+00	-9.300	5.500	0.000	4.438	-7.000	197.4	51.28024	1921	71.385	6.4	414.765641	439.621739
4.40E+00	-9.800	5.300	0.000	4.427	-3.100	197	36.80629	1895	70.668	12.6	401.335031	395.738057
4.30E+00	-10.100	5.100	0.000	4.287	-4.000	196.6	47.83775	1880	69.55	46.9	393.015593	375.863507
4.20E+00	-10.200	5.100	0.000	4.162	-3.400	196.3	50.0274	1871	69.55	76.7	394.402314	387.522609
4.10E+00	-10.200	5.100	0.000	4.063	-2.400	195.9	57.39042	1869	69.55	80.9	400.972505	405.551808
4.00E+00	-10.200	5.100	0.000	4.010	-5.400	195.8	59.16381	1871	69.55	79.2	408.520766	422.95561
4.00E+00	-10.200	5.100	0.000	3.987	-0.800	195.8	59.83357	1875	69.55	80.2	413.767857	437.027223
4.00E+00	-10.200	5.100	0.000	3.972	-5.200	195.8	60.3665	1878	69.55	79.5	422.671281	450.124617
4.00E+00	-10.200	5.200	0.000	4.030	-4.200	195.8	59.13514	1881	69.55	78.9	428.457258	457.767609
4.10E+00	-10.100	5.200	0.000	4.051	-5.100	195.8	28.98308	1875	69.55	79.5	427.204773	455.124194
4.10E+00	-10.000	5.200	0.000	4.075	-1.700	195.8	37.26224	1864	68.952	64.9	415.627255	444.117857
4.10E+00	-10.000	5.200	0.000	4.093	0.000	195.8	38.17019	1851	68.93	62.5	413.072897	434.851673
4.10E+00	-9.900	5.200	0.000	4.094	-0.900	195.8	46.17935	1836	68.31	75	410.884792	432.102857
4.00E+00	-9.800	5.100	0.000	3.995	-0.700	195.8	50.66703	1830	68.31	83	410.938514	437.476401
4.00E+00	-9.800	5.200	0.000	4.038	-6.000	195.8	62.2003	1829	67.69	88.8	413.658444	450.476331
4.00E+00	-9.800	5.200	0.000	4.012	-1.500	195.8	81.26835	1835	68.31	83.2	411.154872	469.819001
4.00E+00	-9.800	5.200	0.000	4.014	-5.800	195.8	82.40163	1844	68.31	80.9	405.628721	482.787665
4.10E+00	-9.700	5.300	0.000	4.082	-2.800	195.8	78.64278	1850	68.93	80.4	402.610722	486.922857
4.00E+00	-9.600	5.200	0.000	4.029	-6.300	195.8	75.71547	1853	68.93	81.5	401.98675	489.751574
4.10E+00	-9.600	5.300	0.000	4.088	-3.800		76.81204	1853	68.93	82	408.179158	493.312821
4.10E+00	-9.600	5.300	0.000	4.106	-3.800		77.4268	1860	68.93	81.4	405.048171	495.230602

1.65642	0.03017	2.18518	3989.067
1.6593	0.03017	2.18924	4002.59
1.66149	0.03017	2.19346	4013.372
1.6631	0.03017	2.1974	4023.541
1.66403	0.03017	2.20093	4033.565
1.66476	0.03017	2.20451	4044.303
1.66553	0.03017	2.20817	4057.431
1.66626	0.03017	2.21187	4070.714
1.66696	0.03017	2.21601	4083.532
1.66761	0.03017	2.22034	4095.955
1.66811	0.03017	2.224	4105.559
1.66846	0.03017	2.22696	4111.774
1.66885	0.03017	2.23114	4118.87
1.66938	0.03017	2.23744	4129.514
1.66996	0.03017	2.24212	4141.786
1.67046	0.03017	2.24549	4152.234
1.67095	0.03017	2.24928	4162.29
1.67139	0.03017	2.25311	4171.501
1.672	0.03017	2.2584	4184.9
1.67264	0.03017	2.26264	4199.237
1.67325	0.03017	2.26644	4212.668
1.67379	0.03017	2.27013	4223.982
1.67418	0.03017	2.27334	4231.507
1.67454	0.03017	2.27701	4238.274
1.67499	0.03017	2.28207	4247.421
1.67547	0.03017	2.28603	4256.633
1.67579	0.03017	2.28681	4261.037
1.67604	0.03017	2.28733	4262.761
1.67632	0.03017	2.28985	4264.032
1.67664	0.03017	2.29576	4267.511
1.67701	0.03017	2.3025	4273.832
1.6774	0.03017	2.30728	4281.775
1.67778	0.03017	2.31083	4290.167
1.67817	0.03017	2.3141	4299.089
1.67855	0.03017	2.31723	4307.631
1.67879	0.03017	2.31921	4313.012
1.67903	0.03017	2.32118	4317.966
1.6793	0.03017	2.32433	4323.239
1.6796	0.03017	2.3283	4329.098
1.67993	0.03017	2.33244	4336.16
1.68033	0.03017	2.33654	4345.632
1.68082	0.03017	2.3404	4357.97
1.68133	0.03017	2.34325	4370.8
1.68184	0.03017	2.34663	4383.046
1.68233	0.03017	2.35046	4394.74
1.68283	0.03017	2.35492	4406.625
1.68334	0.03017	2.35973	4418.578

10:48:48.944	-14	0.0005	0	0.00479	11.895	0.001148	71.2
10:48:49.944	-14	0.00046	0	0.00436	10.614	0.001024	71.3
10:48:50.944	-14	0.00045	0	0.00431	10.452	0.001009	71.5
10:48:51.944	-14	0.00045	0	0.0043	10.465	0.00101	71.5
10:48:52.944	-14	0.00044	0	0.00411	9.995	0.000965	71.6
10:48:53.944	-14	0.00044	0	0.00409	9.953	0.000961	71.6
10:48:54.944	-14	0.00042	0	0.004	9.343	0.000902	71.5
10:48:55.944	-14	0.00041	0	0.00436	9.166	0.000885	71.3
10:48:56.944	-14	0.00044	0	0.00416	9.894	0.000955	71.1
10:48:57.944	-14	0.00043	0	0.00365	9.927	0.000958	71
10:48:58.944	-14	0.00043	0	0.00372	9.744	0.000941	70.9
10:48:59.944	-14	0.00044	0	0.00412	10.023	0.000968	70.9
10:49:00.944	-14	0.00046	0	0.00416	10.555	0.001019	70.9
10:49:01.944	-14	0.00047	0	0.00377	10.931	0.001055	71
10:49:02.944	-14	0.00048	0	0.00332	11.13	0.001074	71.2
10:49:03.944	-14	0.00045	0	0.00341	10.178	0.000982	71.5
10:49:04.944	-14	0.00041	0	0.00357	9.013	0.00087	71.9
10:49:05.944	-14	0.00041	0	0.00384	9.048	0.000874	72.2
10:49:06.944	-14	0.00042	0	0.00382	9.479	0.000915	72.5
10:49:07.944	-14	0.00042	0	0.00338	9.473	0.000914	72.7
10:49:08.944	-14	0.0004	0	0.00321	8.839	0.000853	73
10:49:09.944	-14	0.00036	0	0.00319	7.774	0.000751	73.1
10:49:10.944	-14	0.00024	0	0.00223	5.078	0.00049	73.3
10:49:11.944	-14	0.00025	0	0.00238	5.146	0.000497	73.3
10:49:12.944	-14	0.00026	0.00005	0.00247	5.008	0.000484	73.3
10:49:13.944	-14	0.00029	0	0.00275	5.502	0.000532	73
10:49:14.944	-14	0.00036	0.00003	0.00345	7.245	0.0007	72.7
10:49:15.944	-14	0.00042	0	0.00525	9.271	0.000896	72.7
10:49:16.944	-14	0.00047	0	0.00548	11.22	0.001083	72.7
10:49:17.944	-14	0.0005	0	0.0048	12.175	0.001175	73
10:49:18.944	-14	0.00044	0	0.0043	10.685	0.001031	73.3
10:49:19.944	-14	0.00029	0	0.00285	6.439	0.000622	73.8
10:49:20.944	-14	0.00034	0	0.00408	7.232	0.000699	74.5
10:49:21.944	-14	0.00042	0.00005	0.00522	9.356	0.000904	74.3
10:49:22.944	-14	0.00043	0	0.00443	10.055	0.000971	74.1
10:49:23.944	-14	0.00042	0	0.00366	9.664	0.000933	74.2
10:49:24.944	-14	0.00032	0	0.00309	7.248	0.0007	74.3
10:49:25.944	-14	0.00028	0	0.00274	6.095	0.000589	74.4
10:49:26.944	-14	0.00027	0	0.00269	5.806	0.000561	74.5
10:49:27.944	-14	0.00031	0	0.00273	6.547	0.000632	74.3
10:49:28.944	-14	0.00036	0	0.00302	7.87	0.00076	74
10:49:29.944	-14	0.00036	0	0.00289	8.391	0.00081	73.9
10:49:30.944	-14	0.00035	0	0.00257	8.189	0.000791	73.8
10:49:31.944	-14	0.00034	0	0.00286	7.78	0.000751	73.8
10:49:32.944	-14	0.00034	0	0.00284	7.707	0.000744	73.8
10:49:33.944	-14	0.00034	0	0.00323	7.998	0.000772	73.7
10:49:34.944	-14	0.00035	0	0.00318	8.187	0.00079	73.6

4.10E+00	-9.500	5.300	0.000	4.106	-4.200		78.273	1862	68.93	79.2	401.206436	495.3
4.10E+00	-9.500	5.300	0.000	4.113	-1.800		72.1875	1862	69.55	80.1	402.182258	493.509505
4.10E+00	-9.500	5.300	0.000	4.115	-7.000		70.07854	1863	68.93	83.6	397.888518	493.4
4.10E+00	-9.500	5.300	0.000	4.114	-3.400	197.6	70.73463	1860	68.93	80.9	409.908625	493.352979
4.20E+00	-9.500	5.400	0.000	4.172	-7.000	197.6	66.64211	1855	68.93	80.6	412.220686	489.935207
4.20E+00	-9.500	5.400	0.000	4.191	-4.100	197.6	65.50176	1855	68.93	79.7	410.612421	488.776294
4.20E+00	-9.600	5.400	0.000	4.197	-5.300	197.6	62.11568	1851	68.93	79.9	418.012211	483.613793
4.20E+00	-9.600	5.400	0.000	4.197	-5.500	197.6	61.8865	1844	68.31	83.6	420.831875	482.346429
4.20E+00	-9.600	5.400	0.000	4.191	-6.100	197.6	65.38567	1843	68.31	80.8	419.988	483.636364
4.20E+00	-9.700	5.400	0.000	4.188	-6.800	197.6	65.54823	1845	68.31	79.1	417.151527	482.756176
4.20E+00	-9.700	5.400	0.000	4.192	-5.400	197.6	64.19229	1845	68.93	79.5	415.061538	481.885485
4.20E+00	-9.700	5.400	0.000	4.192	-7.600	197.6	65.18595	1853	68.93	81.3	415.017469	481.67953
4.20E+00	-9.700	5.400	0.000	4.187	-3.800	197.6	69.64475	1851	68.93	80	418.69925	484.71916
4.20E+00	-9.600	5.400	0.000	4.186	-2.700	197.6	71.16015	1862	69.097	80.3	428.585934	486.447883
4.20E+00	-9.500	5.400	0.000	4.187	-0.400	197.6	71.31608	1870	69.55	79.9	431.357959	489.7543
4.20E+00	-9.600	5.400	0.000	4.194	-4.600	197.6	66.51925	1880	69.802	77.1	430.889666	488.086804
4.20E+00	-9.600	5.400	0.000	4.206	-8.200	197.6	61.54558	1885	70.17	80.9	434.92659	485.202941
4.20E+00	-9.600	5.400	0.000	4.204	-3.100	197.6	61.52351	1891	70.17	82.2	435.493889	484.939041
4.20E+00	-9.600	5.400	0.000	4.195	-5.800	197.6	64.59451	1893	70.503	80.4	437.67983	484.900292
4.20E+00	-9.600	5.400	0.000	4.197	-3.800	197.6	63.96206	1902	70.79	80	434.919422	482.845714
4.20E+00	-9.600	5.400	0.000	4.203	-4.900	197.6	57.54967	1909	70.79	79.3	430.265918	478.851692
4.20E+00	-9.600	5.400	0.000	4.210	-3.300	197.6	56.95592	1911	70.79	79.6	426.392776	474.649852
4.20E+00	-9.600	5.300	0.000	4.161	-3.800	197.6	25.66953	1906	70.79	80.7	425.207517	465.699348
4.20E+00	-9.600	5.300	0.000	4.157	-1.100		39.16434	1898	70.79	61.7	415.263218	451.75395
4.20E+00	-9.700	5.300	0.000	4.177	2.500		39.30023	1891	70.17	67.2	411.964137	441.853333
4.20E+00	-9.700	5.300	0.000	4.182	-0.600		42.87624	1890	70.17	69	409.469697	435.438671
4.10E+00	-9.700	5.200	0.000	4.107	1.200		51.23014	1894	70.17	84.8	407.63071	438.552601
4.10E+00	-9.700	5.200	0.000	4.060	-4.200		66.62279	1897	70.79	83.1	413.622422	453.484026
4.00E+00	-9.700	5.200	0.000	4.031	-2.500	195.8	75.84181	1908	70.79	84.7	410.197917	471.316136
4.00E+00	-9.800	5.200	0.000	4.022	-5.000	195.8	79.13591	1922	71.42	80.3	407.31875	482.695114
4.00E+00	-9.800	5.200	0.000	4.030	-3.000	195.8	75.6511	1931	72.185	78.9	408.709796	486.804796
4.10E+00	-9.800	5.200	0.000	4.061	-3.400	195.8	54.63769	1919	71.916	74.2	408.920713	474.427928
4.10E+00	-9.800	5.200	0.000	4.072	-4.300	195.8	45.25531	1931	71.42	77.4	398.23858	465.413436
4.10E+00	-9.800	5.200	0.000	4.057	1.500	195.8	68.71208	1928	71.741	84.3	394.589798	475.309779
4.00E+00	-9.800	5.200	0.000	4.037	-2.200	195.8	67.65095	1934	72.04	78.6	396.425258	480.047883
4.00E+00	-9.700	5.200	0.000	4.044	-0.600	195.8	66.1502	1935	72.04	80.8	419.695545	480.089119
4.10E+00	-9.700	5.200	0.000	4.051	-5.300	195.8	60.08609	1936	72.04	77.8	428.764781	476.459756
4.10E+00	-9.700	5.200	0.000	4.068	-1.500	195.8	42.59642	1933	72.04	76.9	428.563679	465.860352
4.00E+00	-9.800	5.100	0.000	4.000	-2.000	195.8	42.62374	1927	71.42	75.4	419.296635	457.367105
4.00E+00	-9.800	5.100	0.000	3.999	-1.800	195.8	45.62	1917	71.42	76.9	414.275066	452.361789
4.00E+00	-9.800	5.100	0.000	3.989	-0.800	195.8	58.04518	1919	71.42	79.2	409.725139	455.290164
4.00E+00	-9.700	5.100	0.000	3.972	-3.000	195.8	57.85793	1917	71.42	78.5	413.234221	460.229412
4.00E+00	-9.700	5.100	0.000	3.972	-3.600	195.8	57.77265	1918	71.42	80	415.325	462.740678
4.00E+00	-9.700	5.100	0.000	3.975	-5.400	195.8	53.08675	1917	71.42	81.2	414.419108	463.023625
4.00E+00	-9.700	5.100	0.000	3.975	-2.200	195.8	52.67006	1916	71.42	81.4	403.190625	462.062245
4.00E+00	-9.700	5.100	0.000	3.972	-4.400	195.8	54.09828	1916	71.42	80.9	398.493303	462.527639
4.00E+00	-9.700	5.100	0.000	3.966	-4.000	195.8	55.28246	1915	71.42	80.8	398.400472	464.088305

1.68384	0.03017	2.36452	4430.473
1.6843	0.03017	2.36888	4441.087
1.68475	0.03017	2.37319	4451.539
1.6852	0.03017	2.37749	4462.004
1.68564	0.03017	2.3816	4471.999
1.68608	0.03017	2.38569	4481.952
1.6865	0.03017	2.38969	4491.295
1.68691	0.03017	2.39405	4500.461
1.68735	0.03017	2.39821	4510.355
1.68778	0.03017	2.40186	4520.282
1.68821	0.03017	2.40558	4530.026
1.68865	0.03017	2.4097	4540.049
1.68911	0.03017	2.41386	4550.604
1.68958	0.03017	2.41763	4561.535
1.69006	0.03017	2.42095	4572.665
1.69051	0.03017	2.42436	4582.843
1.69092	0.03017	2.42793	4591.856
1.69133	0.03017	2.43177	4600.904
1.69175	0.03017	2.43559	4610.383
1.69217	0.03017	2.43897	4619.856
1.69257	0.03017	2.44218	4628.695
1.69293	0.03017	2.44537	4636.469
1.69317	0.03017	2.4476	4641.547
1.69342	0.03017	2.44998	4646.693
1.69368	0.03022	2.45245	4651.701
1.69397	0.03022	2.4552	4657.203
1.69433	0.03025	2.45865	4664.448
1.69475	0.03025	2.4639	4673.719
1.69522	0.03025	2.46938	4684.939
1.69572	0.03025	2.47418	4697.114
1.69616	0.03025	2.47848	4707.799
1.69645	0.03025	2.48133	4714.238
1.69679	0.03025	2.48541	4721.47
1.69721	0.0303	2.49063	4730.826
1.69764	0.0303	2.49506	4740.881
1.69806	0.0303	2.49872	4750.545
1.69838	0.0303	2.50181	4757.793
1.69866	0.0303	2.50455	4763.888
1.69893	0.0303	2.50724	4769.694
1.69924	0.0303	2.50997	4776.241
1.6996	0.0303	2.51299	4784.111
1.69996	0.0303	2.51588	4792.502
1.70031	0.0303	2.51845	4800.691
1.70065	0.0303	2.52131	4808.471
1.70099	0.0303	2.52415	4816.178
1.70133	0.0303	2.52738	4824.176
1.70168	0.0303	2.53056	4832.363

10:49:35.944	-14	0.00034	0	0.00291	8.061	0.000778	73.6
10:49:36.944	-14	0.00027	0	0.00226	6.258	0.000604	73.6
10:49:37.944	-14	0.00023	0	0.00201	5.357	0.000517	73.6
10:49:38.944	-14	0.00027	0	0.00237	5.98	0.000578	73.6
10:49:39.944	-14	0.00032	0.00009	0.00335	6.866	0.000663	73.3
10:49:40.944	-14	0.00036	0	0.00391	8.31	0.000803	73
10:49:41.944	-14	0.0004	0	0.00363	9.888	0.000954	72.9
10:49:42.944	-14	0.00045	0	0.00314	11.005	0.001062	72.8
10:49:43.944	-14	0.00045	0	0.00319	11.084	0.00107	73
10:49:44.944	-14	0.00037	0	0.00263	8.751	0.000845	73.3
10:49:45.944	-14	0.00029	0	0.0026	6.492	0.000627	73.4
10:49:46.944	-14	0.00028	0	0.00291	5.926	0.000572	73.5
10:49:47.944	-14	0.00022	0	0.00237	4.834	0.000467	73.3
10:49:48.944	-14	0.00019	0	0.00169	4.007	0.000387	73.1
10:49:49.944	-14	0.00019	0	0.0008	3.477	0.000336	72.5
10:49:50.944	-14	0.0002	0.00006	0.00198	3.334	0.000322	71.8
10:49:51.944	-14	0.00021	0.00005	0.00212	3.224	0.000312	71.1
10:49:52.944	-14	0.00021	0.00003	0.00218	2.991	0.000289	70.3
10:49:53.944	-14	0.00021	0.00003	0.00235	2.98	0.000288	70.3
10:49:54.944	-14	0.00025	0	0.00307	3.681	0.000356	70.4
10:49:55.944	-14	0.00031	0.00008	0.0055	5.419	0.000524	68.9
10:49:56.944	-14	0.00034	0	0.00374	6.947	0.000671	67
10:49:57.944	-14	0.00036	0	0.00383	8.181	0.00079	66.8
10:49:58.944	-14	0.00038	0	0.00364	8.94	0.000863	66.6
10:49:59.944	-14	0.00035	0	0.00292	8.465	0.000817	66.5
10:50:00.944	-14	0.00033	0	0.00287	7.437	0.000718	66.4
10:50:01.944	-14	0.00047	0	0.00519	11.461	0.001106	66.4
10:50:02.944	-14	0.00055	0	0.00414	13.91	0.001342	66.4
10:50:03.944	-14	0.00056	0	0.00378	13.758	0.001327	66.8
10:50:04.944	-14	0.00048	0	0.00391	11.355	0.001096	67.4
10:50:05.944	-14	0.00039	0	0.00369	8.532	0.000824	67.9
10:50:06.944	-14	0.00039	0	0.00364	8.981	0.000867	68.5
10:50:07.944	-14	0.00044	0	0.00356	10.469	0.00101	68.7
10:50:08.944	-14	0.00044	0	0.0031	10.51	0.001014	69
10:50:09.944	-14	0.00039	0	0.00302	9.114	0.00088	69.3
10:50:10.944	-14	0.00038	0	0.00337	8.643	0.000834	69.6
10:50:11.944	-14	0.00039	0	0.00349	8.915	0.00086	69.8
10:50:12.944	-14	0.00039	0	0.00316	8.975	0.000866	70
10:50:13.944	-14	0.00042	0	0.00341	9.913	0.000957	70.1
10:50:14.944	-14	0.00043	0	0.003	10.151	0.000979	70.3
10:50:15.944	-14	0.00043	0	0.00327	9.908	0.000956	70.5
10:50:16.944	-14	0.00042	0	0.00345	9.752	0.000941	70.7
10:50:17.944	-14	0.00037	0	0.00306	8.645	0.000834	70.9
10:50:18.944	-14	0.00029	0	0.00253	6.334	0.000612	71.1
10:50:19.944	-14	0.00026	0	0.00289	5.513	0.000533	71.1
10:50:20.944	-14	0.00028	0	0.00318	6.066	0.000586	71.1
10:50:21.944	-14	0.00033	0	0.00369	7.334	0.000708	71

3.90E+00	-9.700	5.000	0.000	3.910	-4.300	195.8	53.70034	1918	71.42	80.8	395.544629	463.604447
3.90E+00	-9.600	5.100	0.000	3.948	-6.200	195.8	51.91661	1917	71.42	75.4	402.364898	464.373587
3.90E+00	-9.600	5.000	0.000	3.922	-1.500	195.8	30.08111	1912	70.79	63.2	412.883075	452.22931
3.90E+00	-9.600	5.000	0.000	3.921	-0.600	195.8	42.92564	1897	70.79	67.6	409.500898	439.715985
3.90E+00	-9.600	5.000	0.000	3.925	3.600	195.8	51.1508	1895	70.17	78.1	406.33	438.231319
3.90E+00	-9.600	5.000	0.000	3.903	-3.100	195.8	61.1119	1897	70.342	82.2	412.743865	448.314563
3.90E+00	-9.500	5.000	0.000	3.879	-1.900	195.8	67.51475	1899	70.79	83.7	415.603571	461.14814
3.90E+00	-9.400	5.100	0.000	3.950	-3.400	195.8	71.82663	1908	70.79	82	426.068	470.459742
4.00E+00	-9.300	5.100	0.000	3.953	-4.800	195.8	72.65013	1912	71.029	81.2	428.56875	475.218688
4.00E+00	-9.300	5.100	0.000	3.968	-4.100	195.8	62.49081	1914	71.42	75.8	426.810325	473.117664
4.00E+00	-9.300	5.100	0.000	3.987	-8.300	195.8	43.12893	1911	70.79	78.6	426.604145	463.406667
4.00E+00	-9.300	5.100	0.000	3.997	-3.600	195.8	43.87139	1903	70.79	80.1	419.204574	456.98806
4.00E+00	-9.300	5.100	0.000	3.989	-8.000	195.8	36.51958	1887	70.245	66.3	414.009836	450.069532
4.00E+00	-9.300	5.100	0.000	4.003	-1.800	195.7	30.4513	1869	69.55	48.4	407.386946	432.24
4.00E+00	-9.200	5.100	0.000	4.043	0.000	195.4	31.68405	1850	68.674	52.6	398.926154	415.037333
4.10E+00	-9.200	5.100	0.000	4.069	4.300	195	32.25058	1828	67.925	43.1	395.666447	396.256889
4.10E+00	-9.100	5.100	0.000	4.086	3.400	194.6	33.099	1806	67.07	45.4	392.781875	381.015157
4.10E+00	-9.100	5.100	0.000	4.104	2.200	194.2	32.32868	1787	66.455	45.4	390.31	368.54
4.10E+00	-9.000	5.100	0.000	4.108	2.200		32.22244	1765	65.83	53.6	387.839248	359.233138
4.10E+00	-9.000	5.100	0.000	4.097	0.000		37.9	1750	65.2	68.3	388.472727	359.009735
4.10E+00	-8.900	5.200	0.000	4.131	3.500		47.4022	1743	64.58	76.4	391.389419	370.726246
4.10E+00	-8.900	5.200	0.000	4.085	-2.600		49.19448	1734	64.58	81.5	394.01684	388.065093
4.10E+00	-8.800	5.200	0.000	4.052	-2.600		56.60397	1736	64.58	83.1	397.021933	404.473457
4.00E+00	-8.800	5.200	0.000	4.034	-4.500	194	58.22354	1737	64.58	82.1	400.612082	423.06426
4.00E+00	-8.800	5.200	0.000	4.031	-3.200	194	57.62519	1737	64.58	79.3	407.284304	431.707937
4.10E+00	-8.800	5.200	0.000	4.051	-4.400	194	41.0296	1736	64.58	90.5	406.676667	432.100582
4.00E+00	-8.800	5.200	0.000	4.025	-3.500	194	69.92621	1740	64.58	94.1	416.186667	447.660893
4.00E+00	-8.700	5.200	0.000	4.007	-0.800	194	88.58194	1759	65.2	82.6	429.364491	471.2784
4.10E+00	-8.700	5.300	0.000	4.090	-7.800		86.88138	1776	65.83	80.8	436.746628	483.832
4.10E+00	-8.700	5.300	0.000	4.109	-5.400		75.97199	1785	66.45	72.5	441.063396	484.952895
4.10E+00	-8.700	5.300	0.000	4.133	-7.800		56.60099	1792	66.45	82.6	436.135699	478.091242
4.10E+00	-8.700	5.300	0.000	4.119	-5.600		58.58324	1798	66.801	85.7	432.865481	477.15
4.10E+00	-8.700	5.300	0.000	4.102	-7.200		68.78632	1803	67.07	81.9	433.888921	481.048352
4.10E+00	-8.700	5.300	0.000	4.102	-8.300	196.1	69.63443	1811	67.426	76.5	435.550096	482.151102
4.10E+00	-8.800	5.300	0.000	4.115	-4.200	196.5	57.6969	1818	67.69	81.4	432.691199	477.434714
4.10E+00	-8.800	5.300	0.000	4.123	-7.500	196.9	57.81867	1820	67.69	83.7	430.42229	474.1
4.10E+00	-8.800	5.300	0.000	4.114	-5.400	197.2	59.17325	1825	67.69	82	419.842788	473.324104
4.10E+00	-8.800	5.300	0.000	4.114	-7.300	197.6	59.08179	1828	67.69	82.7	420.241777	472.717951
4.10E+00	-8.800	5.300	0.000	4.106	-5.200	197.6	66.6506	1831	68.31	80.9	423.0375	475.119149
4.10E+00	-8.800	5.300	0.000	4.105	-7.200	197.6	66.43229	1839	68.31	80.4	416.909887	476.77607
4.10E+00	-8.900	5.300	0.000	4.111	-7.300	197.6	65.31563	1846	68.853	81.6	412.866142	475.334713
4.10E+00	-8.900	5.300	0.000	4.116	-6.900	197.6	65.28635	1851	68.93	81.3	399.316706	473.754298
4.00E+00	-8.900	5.200	0.000	4.038	-9.300	197.5	61.78914	1854	68.93	78.6	384.177557	472.413049
4.10E+00	-8.900	5.200	0.000	4.062	-5.400	197.1	41.57468	1851	68.93	76.3	384.306693	461.166066
4.10E+00	-8.900	5.200	0.000	4.074	-8.200	196.7	35.71684	1843	68.435	75.9	389.268163	451.319761
4.00E+00	-8.900	5.100	0.000	3.996	-3.700	196.3	45.3058	1836	68.31	76.2	401.232105	446.1
4.00E+00	-8.900	5.100	0.000	3.983	-6.000	195.9	51.84762	1836	68.31	81.7	409.3924	449.052451

1.70202	0.0303	2.53347	4840.424
1.70229	0.0303	2.53573	4846.682
1.70252	0.0303	2.53774	4852.039
1.70279	0.0303	2.54011	4858.019
1.70311	0.03039	2.54346	4864.885
1.70347	0.03039	2.54737	4873.195
1.70387	0.03039	2.551	4883.083
1.70432	0.03039	2.55414	4894.088
1.70477	0.03039	2.55733	4905.172
1.70514	0.03039	2.55996	4913.923
1.70543	0.03039	2.56256	4920.415
1.70571	0.03039	2.56547	4926.341
1.70593	0.03039	2.56784	4931.175
1.70612	0.03039	2.56953	4935.182
1.70631	0.03039	2.57033	4938.659
1.70651	0.03045	2.57231	4941.993
1.70672	0.0305	2.57443	4945.217
1.70693	0.03053	2.57661	4948.208
1.70714	0.03056	2.57896	4951.188
1.70739	0.03056	2.58203	4954.869
1.7077	0.03064	2.58753	4960.288
1.70804	0.03064	2.59127	4967.235
1.7084	0.03064	2.5951	4975.416
1.70878	0.03064	2.59874	4984.356
1.70913	0.03064	2.60166	4992.821
1.70946	0.03064	2.60453	5000.258
1.70993	0.03064	2.60972	5011.719
1.71048	0.03064	2.61386	5025.629
1.71104	0.03064	2.61764	5039.387
1.71152	0.03064	2.62155	5050.742
1.71191	0.03064	2.62524	5059.274
1.7123	0.03064	2.62888	5068.255
1.71274	0.03064	2.63244	5078.724
1.71318	0.03064	2.63554	5089.234
1.71357	0.03064	2.63856	5098.348
1.71395	0.03064	2.64193	5106.991
1.71434	0.03064	2.64542	5115.906
1.71473	0.03064	2.64858	5124.881
1.71515	0.03064	2.65199	5134.794
1.71558	0.03064	2.65499	5144.945
1.71601	0.03064	2.65826	5154.853
1.71643	0.03064	2.66171	5164.605
1.7168	0.03064	2.66477	5173.25
1.71709	0.03064	2.6673	5179.584
1.71735	0.03064	2.67019	5185.097
1.71763	0.03064	2.67337	5191.163
1.71796	0.03064	2.67706	5198.497

10:50:22.944	-14	0.00037	0	0.00371	9.036	0.000872	70.8
10:50:23.944	-14	0.00049	0	0.00372	12.84	0.001238	70.8
10:50:24.944	-14	0.0005	0	0.00299	13.213	0.001274	70.7
10:50:25.944	-14	0.00051	0	0.00361	13.09	0.001263	71.2
10:50:26.944	-14	0.00055	0	0.00465	14.341	0.001384	71.8
10:50:27.944	-14	0.00051	0	0.00403	12.091	0.001167	72.4
10:50:28.944	-14	0.00032	0	0.00193	5.192	0.000502	73.1
10:50:29.944	-14	0.00023	0	0.00102	1.89	0.000183	73.1
10:50:30.944	-14	0.00021	0	0.00154	1.418	0.000137	73
10:50:31.944	-14	0.00025	0	0.00563	3.074	0.000298	72.2
10:50:32.944	-14	0.0003	0	0.0073	5.564	0.000539	71.2
10:50:33.944	-14	0.0003	0	0.00413	6.96	0.000673	71.1
10:50:34.944	-14	0.00031	0	0.00319	7.502	0.000725	70.9
10:50:35.944	-14	0.00031	0	0.00359	7.712	0.000745	70.9
10:50:36.944	-14	0.00031	0	0.00287	7.733	0.000747	70.9
10:50:37.944	-14	0.0003	0	0.00281	7.675	0.000741	70.9
10:50:38.944	-14	0.0003	0	0.00241	7.72	0.000745	70.9
10:50:39.944	-14	0.0003	0	0.00234	7.797	0.000753	70.9
10:50:40.944	-14	0.00029	0	0.00224	7.447	0.000719	70.9
10:50:41.944	-14	0.00026	0	0.00219	6.737	0.00065	71
10:50:42.944	-14	0.00024	0	0.00223	6.101	0.000589	71.1
10:50:43.944	-14	0.00024	0	0.00225	6.127	0.000592	71.1
10:50:44.944	-14	0.00024	0	0.00224	6.069	0.000586	71.1
10:50:45.944	-14	0.00024	0	0.00222	5.966	0.000576	71
10:50:46.944	-14	0.00023	0	0.0022	5.875	0.000567	70.9
10:50:47.944	-14	0.00024	0	0.00224	5.961	0.000576	70.8
10:50:48.944	-14	0.00024	0	0.00216	5.897	0.000569	70.7
10:50:49.944	-14	0.00025	0	0.00193	6.174	0.000596	70.7
10:50:50.944	-14	0.00026	0	0.00202	6.56	0.000633	70.7
10:50:51.944	-14	0.00027	0	0.00203	6.658	0.000643	70.7
10:50:52.944	-14	0.00026	0	0.00201	6.601	0.000637	70.8
10:50:53.944	-14	0.00026	0	0.00201	6.614	0.000638	70.8
10:50:54.944	-14	0.00026	0	0.00202	6.44	0.000622	70.8
10:50:55.944	-14	0.00022	0	0.00205	5.657	0.000546	70.8
10:50:56.944	-14	0.0002	0	0.00186	5.006	0.000483	70.9
10:50:57.944	-14	0.00019	0	0.00199	4.595	0.000444	70.7
10:50:58.944	-14	0.00019	0	0.00183	4.407	0.000426	70.4
10:50:59.944	-14	0.0002	0.00007	0.00175	4.325	0.000418	70.3
10:51:00.944	-14	0.00023	0.00002	0.00254	4.98	0.000481	70.1
10:51:01.944	-14	0.00025	0.00001	0.00266	5.424	0.000524	70
10:51:02.944	-14	0.00024	0	0.00293	5.634	0.000544	69.9
10:51:03.944	-14	0.00024	0	0.0027	5.731	0.000554	69.9
10:51:04.944	-14	0.00024	0	0.00256	5.753	0.000556	70
10:51:05.944	-14	0.00024	0	0.00249	5.9	0.00057	70
10:51:06.944	-14	0.00024	0	0.00221	5.928	0.000572	69.9
10:51:07.944	-14	0.00024	0	0.00219	5.888	0.000569	69.8
10:51:08.944	-14	0.00024	0	0.00219	5.878	0.000568	69.7

4.00E+00	-9.000	5.100	0.000	3.958	-6.200	195.8	57.54745	1840	68.607	82.8	415.587283	461.104883
3.90E+00	-9.100	5.100	0.000	3.928	-7.300	195.8	83.15265	1852	68.93	79.3	423.360755	478.49115
3.90E+00	-9.100	5.000	0.000	3.876	-8.400	195.8	82.94123	1865	69.55	80.6	433.009148	490.248649
3.90E+00	-9.100	5.000	0.000	3.863	-4.700	195.8	82.05874	1881	70.05	83.9	416.909524	494.85586
3.80E+00	-9.100	4.900	0.000	3.806	-8.100	195.8	90.81887	1901	70.789	81.7	413.309091	500.489293
3.80E+00	-9.100	4.900	0.000	3.824	-4.400	195.8	90.64439	1912	71.316	65	405.753774	495.797075
3.90E+00	-9.100	4.900	0.000	3.930	-7.200	195.8	54.70731	1896	70.713	14.7	406.258813	448.376153
3.90E+00	-9.100	4.800	0.000	3.923	-3.100	195.8	35.80251	1876	69.55	8.6	391.544885	398.568233
3.60E+00	-9.200	4.300	0.000	3.601	-3.900	195.8	39.05057	1856	68.93	47.6	383.708905	375.081747
3.40E+00	-9.200	4.200	0.000	3.439	-2.300	195.8	49.94678	1847	68.857	71.2	379.919712	377.794595
3.40E+00	-9.200	4.300	0.000	3.422	-0.600	195.8	51.18176	1846	68.86	77.5	382.42364	390.306954
3.40E+00	-9.200	4.400	0.000	3.449	-5.500	195.8	53.02657	1845	68.31	77.4	385.918881	402.35
3.50E+00	-9.200	4.500	0.000	3.527	-2.700	195.8	54.0212	1844	68.753	80.9	387.0394	414.018384
3.60E+00	-9.200	4.600	0.000	3.594	-6.700	195.8	52.92287	1845	68.31	79.8	385.928302	425.117912
3.60E+00	-9.200	4.600	0.000	3.587	-3.100	195.7	53.22244	1844	68.31	79.5	387.296915	434.551265
3.60E+00	-9.200	4.600	0.000	3.583	-5.900	195.3	52.92614	1844	68.31	80	396.469	441.431138
3.60E+00	-9.200	4.600	0.000	3.580	-5.000	194.9	52.14333	1847	68.31	80.9	396.711297	445.523837
3.60E+00	-9.100	4.600	0.000	3.578	-5.300	194.5	52.49655	1847	68.93	80.7	412.420449	448.185778
3.60E+00	-9.100	4.600	0.000	3.578	-7.200	194.1	50.09976	1849	68.93	80.7	413.211247	449.156154
3.60E+00	-9.100	4.600	0.000	3.583	-5.900	194	46.83975	1848	68.93	79.9	410.622292	447.908882
3.60E+00	-9.100	4.600	0.000	3.583	-8.700	194	40.03707	1850	68.93	79	408.94501	445.162187
3.60E+00	-9.100	4.600	0.000	3.585	-2.200	194	41.43	1848	68.672	76.7	407.453854	441.924186
3.60E+00	-9.000	4.600	0.000	3.587	-4.800	194	41.85714	1843	68.31	75.7	407.475416	438.769034
3.60E+00	-9.000	4.600	0.000	3.590	-1.600	194	42.14759	1841	68.31	75.3	392.904186	435.913597
3.60E+00	-9.000	4.600	0.000	3.591	-3.100	194	41.91615	1839	68.31	75.5	385.304894	433.978814
3.60E+00	-8.900	4.600	0.000	3.591	-3.500	194	41.35402	1839	68.31	76	385.41569	432.349804
3.60E+00	-8.900	4.600	0.000	3.591	-1.400	194	41.94	1837	68.31	76.1	382.187083	430.554419
3.60E+00	-8.900	4.600	0.000	3.590	-4.400	194	42.06171	1836	68.31	77.4	387.050976	429.602609
3.60E+00	-8.900	4.700	0.000	3.644	-0.400	194	45.82667	1838	68.31	78.7	389.28375	430.461051
3.70E+00	-8.800	4.700	0.000	3.661	-5.000	194	46.52625	1838	68.31	78.6	389.064562	431.259715
3.70E+00	-8.800	4.700	0.000	3.661	-3.200	194	44.63	1841	68.31	79	393.486221	432
3.70E+00	-8.800	4.700	0.000	3.661	-5.600	194	43.96844	1844	68.757	80.5	400.190369	432.342609
3.70E+00	-8.700	4.700	0.000	3.661	-3.400	194	44.615	1846	68.31	78.7	400.175625	433.378621
3.70E+00	-8.700	4.700	0.000	3.660	-4.400	194	41.60912	1845	68.31	76.8	399.854678	431.913253
3.70E+00	-8.700	4.700	0.000	3.666	-6.300	194	32.14004	1838	68.31	65.1	397.940956	426.8
3.60E+00	-8.700	4.600	0.000	3.622	-0.100	194	32.90571	1832	68.31	61.6	393.098293	417.02568
3.60E+00	-8.600	4.600	0.000	3.618	-0.400	194	34.20506	1826	67.69	58.9	389.772345	408.103197
3.60E+00	-8.600	4.600	0.000	3.630	4.500	194	35.1126	1822	67.69	57.4	386.076087	400.369931
3.60E+00	-8.600	4.600	0.000	3.634	0.800		41.91706	1819	67.69	69.2	382.998222	396.510328
3.70E+00	-8.600	4.700	0.000	3.683	0.600		43.5982	1822	67.69	73.9	383.639479	399.882178
3.70E+00	-8.600	4.700	0.000	3.686	-2.700		42.32655	1818	67.69	74.7	384.996674	403.940041
3.70E+00	-8.500	4.700	0.000	3.677	-2.100		41.29035	1818	67.69	76.4	387.58595	407.599607
3.70E+00	-8.500	4.700	0.000	3.674	-0.900		40.75233	1818	67.69	76.9	387.304352	409.358194
3.70E+00	-8.300	4.700	0.000	3.672	-2.400	192.2	41.13534	1817	67.69	76	387.600415	411.626522
3.70E+00	-8.300	4.700	0.000	3.668	-0.500	192.2	41.82831	1815	67.69	76	392.093853	413.298373
3.70E+00	-8.300	4.700	0.000	3.667	-4.300	192.2	40.99	1811	67.637	75.8	384.651351	413.335274
3.70E+00	-8.300	4.700	0.000	3.667	-1.400	192.2	40.34653	1807	67.07	77.2	384.132948	413

1.71833	0.03064	2.68077	5207.533
1.71882	0.03064	2.68449	5220.373
1.71932	0.03064	2.68748	5233.586
1.71983	0.03064	2.69109	5246.676
1.72038	0.03064	2.69574	5261.017
1.72089	0.03064	2.69977	5273.108
1.72121	0.03064	2.7017	5278.3
1.72144	0.03064	2.70272	5280.19
1.72165	0.03064	2.70426	5281.608
1.7219	0.03064	2.70989	5284.682
1.7222	0.03064	2.71719	5290.246
1.7225	0.03064	2.72132	5297.206
1.72281	0.03064	2.72451	5304.708
1.72312	0.03064	2.7281	5312.42
1.72343	0.03064	2.73097	5320.153
1.72373	0.03064	2.73378	5327.828
1.72403	0.03064	2.73619	5335.548
1.72433	0.03064	2.73853	5343.345
1.72462	0.03064	2.74077	5350.792
1.72488	0.03064	2.74296	5357.529
1.72512	0.03064	2.74519	5363.63
1.72536	0.03064	2.74744	5369.757
1.7256	0.03064	2.74968	5375.826
1.72584	0.03064	2.7519	5381.792
1.72607	0.03064	2.7541	5387.667
1.72631	0.03064	2.75634	5393.628
1.72655	0.03064	2.7585	5399.525
1.7268	0.03064	2.76043	5405.699
1.72706	0.03064	2.76245	5412.259
1.72733	0.03064	2.76448	5418.917
1.72759	0.03064	2.76649	5425.518
1.72785	0.03064	2.7685	5432.132
1.72811	0.03064	2.77052	5438.572
1.72833	0.03064	2.77257	5444.229
1.72853	0.03064	2.77443	5449.235
1.72872	0.03064	2.77642	5453.83
1.72891	0.03064	2.77825	5458.237
1.72911	0.03071	2.78	5462.562
1.72934	0.03073	2.78254	5467.542
1.72959	0.03074	2.7852	5472.966
1.72983	0.03074	2.78813	5478.6
1.73007	0.03074	2.79083	5484.331
1.73031	0.03074	2.79339	5490.084
1.73055	0.03074	2.79588	5495.984
1.73079	0.03074	2.79809	5501.912
1.73103	0.03074	2.80028	5507.8
1.73127	0.03074	2.80247	5513.678

10:51:09.944	-14	0.00026	0	0.0026	6.362	0.000614	69.6
10:51:10.944	-14	0.00029	0	0.00293	7.536	0.000728	69.4
10:51:11.944	-14	0.00032	0	0.00296	8.753	0.000845	69.4
10:51:12.944	-14	0.0003	0	0.0028	8.241	0.000795	69.3
10:51:13.944	-14	0.00027	0	0.00246	6.945	0.00067	69.3
10:51:14.944	-14	0.00026	0	0.00301	6.537	0.000631	69.3
10:51:15.944	-14	0.00026	0	0.00313	6.516	0.000629	69.2
10:51:16.944	-14	0.00029	0	0.00357	7.631	0.000737	69
10:51:17.944	-14	0.00034	0	0.00368	9.496	0.000916	69
10:51:18.944	-14	0.00036	0	0.00281	9.924	0.000957	68.9
10:51:19.944	-14	0.00036	0	0.00329	9.792	0.000945	69
10:51:20.944	-14	0.00032	0	0.0033	8.35	0.000806	69.2
10:51:21.944	-14	0.00021	0	0.002	5.158	0.000498	69.3
10:51:22.944	-14	0.00019	0	0.00149	4.206	0.000406	69.5
10:51:23.944	-14	0.0002	0	0.00077	3.426	0.000331	69
10:51:24.944	-14	0.00035	0	0	3.06	0.000296	68.4
10:51:25.944	-14	0.00036	0	0.00165	1.545	0.00015	67.5
10:51:26.944	-14	0.00036	0	0.00218	0.821	0.00008	66.4
10:51:27.944	-14	0.00036	0	0.00263	0.521	0.000051	65.5
10:51:28.944	-14	0.00035	0	0.00304	0.373	0.000039	64.4
10:51:29.944	-14	0.00034	0	0.00316	0.293	0.000037	63.5
10:51:30.944	-14	0.00033	0	0.00308	0.23	0.000036	62.5
10:51:31.944	-14	0.00032	0	0.00297	0.19	0.000035	60.3
10:51:32.944	-14	0.00029	0	0.00273	0.164	0.000032	57.7
10:51:33.944	-14	0.00027	0	0.00257	0.152	0.00003	55.4
10:51:34.944	-14	0.00026	0	0.00227	0.139	0.000029	52.5
10:51:35.944	-14	0.00025	0	0.00196	0.118	0.000028	50.8
10:51:36.944	-14	0.00024	0	0.00188	0.112	0.000027	48.6
10:51:37.944	-14	0.00018	0	0.00143	0.086	0.00002	47.4
10:51:38.944	-14	0.00014	0	0.00111	0.071	0.000016	45.9
10:51:39.944	-14	0.00012	0	0.00108	0.119	0.000014	45.3
10:51:40.944	-14	0.00011	0.00002	0.00157	0.288	0.000028	44.5
10:51:41.944	-14	0.00012	0.00006	0.00238	0.697	0.000068	44.1
10:51:42.944	-14	0.00014	0.00009	0.00317	1.657	0.000161	43.6
10:51:43.944	-14	0.00019	0.00013	0.00429	3.317	0.000321	43.2
10:51:44.944	-14	0.00021	0.00013	0.00277	4.449	0.00043	42.7
10:51:45.944	-14	0.00021	0.0001	0.00208	4.671	0.000451	42.3
10:51:46.944	-14	0.0002	0.00002	0.00184	4.363	0.000422	41.8
10:51:47.944	-14	0.00012	0.00002	0.00109	2.538	0.000245	41.5
10:51:48.944	-14	0.00008	0	0.00073	1.63	0.000158	41.2
10:51:49.944	-14	0.00006	0	0.00068	1.264	0.000122	40.3
10:51:50.944	-14	0.00006	0	0.00067	1.127	0.000109	39.2
10:51:51.944	-14	0.00006	0.00001	0.00056	0.965	0.000093	37.3
10:51:52.944	-14	0.00006	0.00003	0.00042	0.674	0.000065	35
10:51:53.944	-14	0.00006	0.00001	0.00039	0.453	0.000044	33.1
10:51:54.944	-14	0.00006	0.00003	0.00048	0.345	0.000034	30.8
10:51:55.944	-14	0.00006	0.00001	0.00039	0.249	0.000024	29.2

3.70E+00	-8.200	4.700	0.000	3.664	-4.400	192.2	43.03394	1803	67.07	80.6	384.226145	414.499706
3.70E+00	-8.200	4.700	0.000	3.655	-3.700	192.2	49.8382	1801	67.084	84.5	385.782081	421.454956
3.60E+00	-8.100	4.700	0.000	3.636	-0.800	192.2	56.35115	1804	67.07	81.9	384.835	431.446444
3.60E+00	-8.100	4.700	0.000	3.637	0.000	192.2	54.65994	1804	67.07	80.2	380.102444	437.869655
3.70E+00	-8.100	4.700	0.000	3.671	-2.000	192.2	44.59388	1802	67.07	81.1	381.273585	435.323689
3.70E+00	-8.100	4.700	0.000	3.659	-6.800	192.4	43.28717	1797	66.681	81.8	377.760411	434.5
3.70E+00	-8.100	4.700	0.000	3.657	-2.500	192.7	43.64637	1794	66.45	81.4	383.076971	435.280022
3.60E+00	-8.100	4.700	0.000	3.648	-5.800	193.1	48.90014	1792	66.45	85.3	383.968619	437.842743
3.60E+00	-8.200	4.700	0.000	3.628	-4.300	193.5	62.51273	1795	66.48	83.9	397.718216	450.061153
3.60E+00	-8.200	4.700	0.000	3.627	-6.700	193.9	64.141	1801	67.07	80	401.80112	455.903996
3.60E+00	-8.200	4.700	0.000	3.635	-6.800	194	63.49378	1805	67.07	81.6	402.267641	457.762338
3.60E+00	-8.300	4.700	0.000	3.643	-5.500	194	62.53137	1808	67.07	76	402.88875	458.215113
3.70E+00	-8.300	4.700	0.000	3.661	-7.300	194	32.50285	1804	67.07	70.5	398.097505	446.677917
3.70E+00	-8.400	4.700	0.000	3.700	-2.000	194	31.14809	1787	66.45	19.4	398.116538	422.042174
3.80E+00	-8.400	4.700	0.000	3.768	-2.000	194	30.15117	1761	65.587	0.5	384.770981	387.845491
3.90E+00	-8.400	4.700	0.000	3.878	-0.600	193.7	59.69474	1736	64.342	0	370.404688	353.058042
3.90E+00	-8.400	4.600	0.000	3.882	-5.500	193.3	61.43103	1707	63.34	0	355.48375	318.531768
3.90E+00	-8.500	4.600	0.000	3.887	-3.400	192.9	61.35505	1681	62.46	0	342.104175	289.293793
3.90E+00	-8.500	4.600	0.000	3.899	-4.400	192.5	60.57265	1657	61.623	0	337.978269	267.745374
3.90E+00	-8.500	4.600	0.000	3.894	-7.200	192.2	59.39966	1632	60.86	0	341.898493	252.20532
3.90E+00	-8.500	4.600	0.000	3.894	-3.000	191.8	57.85494	1585	59.08	0	335.476181	240.570381
3.90E+00	-8.500	4.600	0.000	3.894	-6.400	191.4	56.13447	1509	55.987	0	330.883558	232.59018
3.90E+00	-8.500	4.600	0.000	3.894	-2.200	191.1	53.41245	1448	54.022	0	330.991458	225.727007
3.90E+00	-8.500	4.600	0.000	3.894	-6.200	190.7	49.78	1384	51.317	0	344.652023	219.443534
3.90E+00	-8.500	4.600	0.000	3.895	-4.900	190.4	46.13491	1316	48.929	0	338.295652	213.958915
3.90E+00	-8.500	4.600	0.000	3.895	-5.500	190.4	43.17814	1273	47.721	0	333.265789	209.532574
3.90E+00	-8.500	4.600	0.000	3.895	-6.100	190.4	41.31551	1234	45.946	0	327.791682	205.351942
3.90E+00	-8.500	4.600	0.000	3.895	-4.900	190.4	40.18275	1203	44.529	0	345.01341	201.856694
3.90E+00	-8.500	4.600	0.000	3.895	-7.700	190.4	38.8551	1183	43.906	4.2	345.890865	199.25
3.90E+00	-8.500	4.600	0.000	3.895	-2.500	190.4	23.63245	1166	43.27	21.7	355.196262	199.644517
3.90E+00	-8.600	4.600	0.000	3.895	-5.100	190.4	18.28667	1154	42.85	36.7	353.399811	208.50835
3.90E+00	-8.600	4.600	0.000	3.884	2.500	190.4	18.72622	1140	42.23	54.7	363.942857	221.744348
3.90E+00	-8.600	4.700	0.000	3.899	6.400	190.4	20.35927	1128	41.61	67	359.830769	239.005767
3.80E+00	-8.600	4.700	0.000	3.833	8.200	190.4	22.61028	1115	41.61	70.5	347.671337	257.8
3.80E+00	-8.500	4.700	0.000	3.755	8.900	190.4	28.93411	1285	40.99	69.1	344.1	271.840455
3.70E+00	-8.400	4.700	0.000	3.714	7.800	190.4	37.45191	1312	40.37	71.1	348.413772	287.36246
3.70E+00	-8.400	4.700	0.000	3.703	5.600	190.4	35.39296	1305	40.315	71	345.625	301.89705
3.70E+00	-8.400	4.700	0.000	3.704	1.100	190.4	33.02602	1296	39.74	65.8	345.801818	309.488496
3.70E+00	-8.400	4.700	0.000	3.710	1.800	190.4	24.42929	1271	39.069	46.7	345.727027	311.537431
3.70E+00	-8.400	4.700	0.000	3.715	-0.300	190.4	11.51926	1237	38.316	9.9	333.455527	302.075532
3.70E+00	-8.300	4.700	0.000	3.730	0.000	190.4	10.99321	1177	36.189	0	329.194188	290.418577
3.80E+00	-8.300	4.700	0.000	3.754	-0.100	190.4	10.19166	1122	33.923	0.3	325.623795	279.914669
3.80E+00	-8.300	4.700	0.000	3.792	1.400	190.4	11.15853	1260	31.984	0.1	314.817702	270.186813
3.80E+00	-8.300	4.700	0.000	3.847	5.400	190.4	10.74686	1184	30.076	0	308.858935	261.80314
3.90E+00	-8.200	4.700	0.000	3.894	1.400		10.08081	1115	28.239	0.3	303.547216	254.693333
3.90E+00	-8.300	4.700	0.000	3.927	6.000		10.59933	1195	26.386	0.1	302.070988	248.7655
3.90E+00	-8.300	4.700	0.000	3.948	2.900		10.65023	1196	25.127	0	299.643802	243.781837

1.73153	0.03074	2.80507	5520.04
1.73182	0.03074	2.808	5527.576
1.73214	0.03074	2.81096	5536.329
1.73244	0.03074	2.81376	5544.57
1.73271	0.03074	2.81622	5551.515
1.73297	0.03074	2.81923	5558.052
1.73323	0.03074	2.82236	5564.568
1.73352	0.03074	2.82593	5572.199
1.73386	0.03074	2.82961	5581.695
1.73422	0.03074	2.83242	5591.619
1.73458	0.03074	2.83571	5601.411
1.7349	0.03074	2.83901	5609.761
1.73511	0.03074	2.84101	5614.919
1.7353	0.03074	2.8425	5619.125
1.7355	0.03074	2.84327	5622.551
1.73585	0.03074	2.84327	5625.611
1.73621	0.03074	2.84492	5627.156
1.73657	0.03074	2.8471	5627.977
1.73693	0.03074	2.84973	5628.498
1.73728	0.03074	2.85277	5628.871
1.73762	0.03074	2.85593	5629.164
1.73795	0.03074	2.85901	5629.394
1.73827	0.03074	2.86198	5629.584
1.73856	0.03074	2.86471	5629.748
1.73883	0.03074	2.86728	5629.9
1.73909	0.03074	2.86955	5630.039
1.73934	0.03074	2.87151	5630.157
1.73958	0.03074	2.87339	5630.269
1.73976	0.03074	2.87482	5630.355
1.7399	0.03074	2.87593	5630.426
1.74002	0.03074	2.87701	5630.545
1.74013	0.03076	2.87858	5630.833
1.74025	0.03082	2.88096	5631.53
1.74039	0.03091	2.88413	5633.187
1.74058	0.03104	2.88842	5636.504
1.74079	0.03117	2.89119	5640.953
1.741	0.03127	2.89327	5645.624
1.7412	0.03129	2.89511	5649.987
1.74132	0.03131	2.8962	5652.525
1.7414	0.03131	2.89693	5654.155
1.74146	0.03131	2.89761	5655.419
1.74152	0.03131	2.89828	5656.546
1.74158	0.03132	2.89884	5657.511
1.74164	0.03135	2.89926	5658.185
1.7417	0.03136	2.89965	5658.638
1.74176	0.03139	2.90013	5658.983
1.74182	0.0314	2.90052	5659.232

10:51:56.944	-14	0.00012	0.00003	0.001	0.335	0.000033	27.3
10:51:57.944	-14	0.00017	0	0.00202	0.484	0.000047	26.1
10:51:58.944	-14	0.00015	0	0.00268	0.758	0.000074	24.5
10:51:59.944	-14	0.00009	0	0.00183	0.93	0.00009	24.1
10:52:00.944	-14	0.00007	0	0.00108	0.991	0.000096	23.7
10:52:01.944	-14	0.00007	0	0.0009	0.95	0.000092	22.7
10:52:02.944	-14	0.00007	0	0.00079	0.817	0.000079	21.4
10:52:03.944	-14	0.00006	0	0.00062	0.59	0.000057	19.9
10:52:04.944	-14	0.00007	0	0.00047	0.408	0.00004	18.1
10:52:05.944	-14	0.0001	0	0.00065	0.419	0.000041	16.7
10:52:06.944	-14	0.00022	0	0.00206	0.704	0.000068	15
10:52:07.944	-14	0.00058	0	0.01312	5.477	0.000532	13.8
10:52:08.944	-14	0.00068	0	0.01175	10.697	0.001036	12.2
10:52:09.944	-14	0.00071	0	0.00987	13.444	0.0013	14.9
10:52:10.944	-14	0.00068	0	0.0079	13.849	0.001338	18.2
10:52:11.944	-14	0.00059	0	0.00565	12.557	0.001213	21.3
10:52:12.944	-14	0.00052	0	0.00483	11.516	0.001112	25.1
10:52:13.944	-14	0.00049	0	0.00618	10.837	0.001047	27.5
10:52:14.944	-14	0.00049	0	0.00564	10.995	0.001062	30.5
10:52:15.944	-14	0.00051	0	0.0053	11.601	0.00112	32.2
10:52:16.944	-14	0.00048	0	0.00469	10.685	0.001032	34.2
10:52:17.944	-14	0.00036	0	0.0037	7.659	0.00074	35.6
10:52:18.944	-14	0.00026	0	0.003	5.302	0.000512	37.3
10:52:19.944	-14	0.00023	0	0.00286	4.472	0.000432	38
10:52:20.944	-14	0.00021	0	0.00275	4.339	0.000419	38.9
10:52:21.944	-14	0.00021	0	0.00237	4.517	0.000436	38.9
10:52:22.944	-14	0.00021	0	0.00215	4.638	0.000448	39
10:52:23.944	-14	0.00022	0	0.00209	4.734	0.000457	39.3
10:52:24.944	-14	0.00022	0	0.0019	4.877	0.000471	39.7
10:52:25.944	-14	0.00022	0	0.00191	4.88	0.000471	39.8
10:52:26.944	-14	0.00022	0	0.00191	4.855	0.000469	39.9
10:52:27.944	-14	0.00022	0	0.00191	4.873	0.000471	40
10:52:28.944	-14	0.00021	0.00001	0.00181	4.604	0.000445	40.2
10:52:29.944	-14	0.00018	0	0.00151	3.85	0.000372	40.3
10:52:30.944	-14	0.00014	0	0.00122	2.956	0.000286	40.5
10:52:31.944	-14	0.00013	0	0.00131	2.509	0.000243	40.4
10:52:32.944	-14	0.00009	0	0.00061	1.458	0.000141	40.3
10:52:33.944	-14	0.00008	0.00002	0.00057	1.044	0.000101	39.8
10:52:34.944	-14	0.00008	0	0.00074	0.772	0.000075	39.2
10:52:35.944	-14	0.00007	0.00001	0.00072	0.559	0.000054	38.7
10:52:36.944	-14	0.00007	0	0.00041	0.393	0.000038	38
10:52:37.944	-14	0.00007	0	0.00084	0.283	0.000028	37.5
10:52:38.944	-14	0.00007	0	0.00067	0.215	0.000021	36.8
10:52:39.944	-14	0.00007	0	0.00066	0.172	0.000017	35.6
10:52:40.944	-14	0.00006	0	0.00064	0.141	0.000014	34.2
10:52:41.944	-14	0.00006	0	0.00068	0.128	0.000013	31.8
10:52:42.944	-14	0.00006	0	0.00072	0.111	0.000011	28.8

4.00E+00	-8.200	4.700	0.000	3.962	3.700		10.04686	1129	23.888	23.2	293.600943	239.115196
4.00E+00	-8.200	4.700	0.000	3.961	-0.700		28.55687	1309	22.98	50.8	293.988469	241.498697
3.90E+00	-8.200	4.700	0.000	3.928	-1.000	190.1	26.19442	1295	22.98	48.8	301.920037	249.947059
3.90E+00	-8.200	4.700	0.000	3.853	-1.600	189.7	11.00568	1251	21.898	2.7	308.633333	249.486147
3.90E+00	-8.100	4.800	0.000	3.888	-4.400	189.3	10.63134	1175	20.601	0	304.471341	242.974207
3.90E+00	-8.100	4.900	0.000	3.938	-0.400	188.9	9.75412	1104	19.26	0	312.694904	237.545902
4.10E+00	-8.000	5.000	0.000	4.064	-2.000	188.6	10.09175	1184	17.298	0	317.662382	232.716035
4.10E+00	-8.000	5.000	0.000	4.110	0.600	188.6	10.19211	1184	16.085	0.1	315.256874	228.637451
4.20E+00	-7.900	5.000	0.000	4.156	-1.400	188.6	9.67009	1084	14.849	2.6	317.588864	224.611935
4.20E+00	-7.900	5.000	0.000	4.193	-0.800	188.6	16.74501	904	13.346	14	331.561378	220.784828
4.20E+00	-7.900	5.000	0.000	4.206	-1.200	188.6	21.12563	1208	12.42	43.8	330.186826	217.306237
4.10E+00	-7.900	5.000	0.000	4.106	-1.300	188.6	94.47238	2065	13.597	84.4	330.465128	260.608821
4.00E+00	-7.800	5.000	0.000	4.010	-1.900	188.6	103.76863	2144	17.022	68.2	324.39551	316.884967
4.00E+00	-7.700	5.000	0.000	3.960	-5.400	188.6	107.46792	2244	20.154	72.6	320.220611	351.008821
3.90E+00	-7.600	5.000	0.000	3.942	-1.200	188.6	108.30595	2325	23.532	76.8	322.478243	376.030618
3.90E+00	-7.400	5.000	0.000	3.926	-4.700	188.6	97.41757	2032	26.601	77.4	320.485743	396.2699
3.90E+00	-7.300	5.000	0.000	3.917	-2.300	188.8	91.94557	2003	29.088	76.8	317.730165	409.820667
4.00E+00	-7.200	5.100	0.000	3.988	-4.600	189.2	76.31697	1759	31.099	76.7	331.853085	415.202415
4.00E+00	-7.100	5.100	0.000	3.982	-3.000	189.6	77.19892	1854	32.482	78.4	344.076	420.757822
4.00E+00	-7.000	5.100	0.000	3.979	-3.400	190	80.83877	1946	34.005	78.4	340.948496	426.376873
4.00E+00	-6.900	5.100	0.000	3.983	-4.400	190.4	75.11454	2042	35.856	76.2	344.498	427.2275
4.00E+00	-6.900	5.100	0.000	3.999	-3.200	190.8	58.11045	1783	36.64	77.5	346.589165	421.459957
4.00E+00	-6.900	5.100	0.000	4.015	-5.300	191.2	42.78894	1753	37.265	75.7	324.031574	411.030187
4.00E+00	-7.100	5.100	0.000	4.023	-1.000	191.6	33.40185	1478	37.26	76	298.520694	400.050834
3.90E+00	-7.200	5.000	0.000	3.940	-3.700	192	33.52787	1483	37.88	76.9	293.515	392.571087
3.90E+00	-7.300	5.000	0.000	3.930	-0.600		34.67765	1487	37.88	75.8	299.716946	387.29696
3.90E+00	-7.300	5.000	0.000	3.922	-2.300		33.59563	1495	37.88	75.2	299.078112	384.186026
3.90E+00	-7.300	5.000	0.000	3.921	-3.400		35.0577	1501	37.88	75.4	296.516667	381.914663
3.90E+00	-7.300	5.000	0.000	3.916	0.100		35.49354	1508	38.5	74.2	299.882209	380.245855
3.90E+00	-7.200	5.000	0.000	3.917	-1.400		35.98663	1517	38.5	74.4	297.255758	378.014663
3.90E+00	-7.200	5.000	0.000	3.918	-1.000	192.2	35.78426	1525	38.5	74.6	296.245621	377.9
3.90E+00	-7.200	5.000	0.000	3.918	-3.400	192.2	36.04192	1533	39.12	74.3	305.094	375.6
3.90E+00	-7.200	5.000	0.000	3.918	0.500	192.2	34.46928	1543	39.12	71.9	309.185417	375.301382
3.90E+00	-7.200	5.000	0.000	3.918	-3.500	192.2	28.42346	1541	39.12	57.1	326.309512	370.192073
3.90E+00	-7.300	5.000	0.000	3.927	-3.200	192.2	23.0634	1527	38.772	38.5	327.438175	356.960269
4.00E+00	-7.300	5.000	0.000	3.959	-1.100	192.2	21.17128	1506	38.186	17.8	318.717391	338.578341
4.00E+00	-7.300	5.000	0.000	4.008	-1.100	192.2	12.95943	1484	37.88	3.3	307.823837	320.931663
4.00E+00	-7.300	4.900	0.000	3.980	2.500	192.2	12.50421	1466	37.26	1.2	299.964211	307.293119
4.00E+00	-7.300	4.800	0.000	3.960	-0.900	192.2	12.31721	1448	36.64	0	294.438113	295.970217
4.00E+00	-7.400	4.800	0.000	3.976	1.000		12.23294	1429	36.542	0	293.06566	287.128824
4.00E+00	-7.500	4.800	0.000	4.008	-2.700		12.11849	1413	35.937	0	291.346067	279.057594
4.00E+00	-7.600	4.800	0.000	4.029	-2.500		11.78547	1379	34.78	0	289.689524	271.845527
4.00E+00	-7.600	4.800	0.000	4.042	-3.600		11.47177	1319	33.336	0	288.248571	265.368776
4.00E+00	-7.600	4.800	0.000	4.049	-6.500		10.77613	1208	30.864	0	287.087097	259.197148
4.10E+00	-7.600	4.800	0.000	4.054	-3.700	190.4	10.04715	1114	28.36	0	285.225142	254.444916
4.00E+00	-7.500	4.700	0.000	3.973	-7.500	190.4	9.92519	1180	25.346	0.5	284.045058	249.9779
4.00E+00	-7.500	4.700	0.000	3.977	-3.600	190.4	9.80038	1071	21.498	5	282.945631	245.8566

1.74194	0.03143	2.90152	5659.567
1.74211	0.03143	2.90354	5660.051
1.74226	0.03143	2.90622	5660.809
1.74235	0.03143	2.90805	5661.739
1.74242	0.03143	2.90913	5662.73
1.74249	0.03143	2.91003	5663.68
1.74256	0.03143	2.91082	5664.497
1.74262	0.03143	2.91144	5665.087
1.74269	0.03143	2.91191	5665.495
1.74279	0.03143	2.91256	5665.914
1.74301	0.03143	2.91462	5666.618
1.74359	0.03143	2.92774	5672.095
1.74427	0.03143	2.93949	5682.792
1.74498	0.03143	2.94936	5696.236
1.74566	0.03143	2.95726	5710.085
1.74625	0.03143	2.96291	5722.642
1.74677	0.03143	2.96774	5734.158
1.74726	0.03143	2.97392	5744.995
1.74775	0.03143	2.97956	5755.99
1.74826	0.03143	2.98486	5767.591
1.74874	0.03143	2.98955	5778.276
1.7491	0.03143	2.99325	5785.935
1.74936	0.03143	2.99625	5791.237
1.74959	0.03143	2.99911	5795.709
1.7498	0.03143	3.00186	5800.048
1.75001	0.03143	3.00423	5804.565
1.75022	0.03143	3.00638	5809.203
1.75044	0.03143	3.00847	5813.937
1.75066	0.03143	3.01037	5818.814
1.75088	0.03143	3.01228	5823.694
1.7511	0.03143	3.01419	5828.549
1.75132	0.03143	3.0161	5833.422
1.75153	0.03144	3.01791	5838.026
1.75171	0.03144	3.01942	5841.876
1.75185	0.03144	3.02064	5844.832
1.75198	0.03144	3.02195	5847.341
1.75207	0.03144	3.02256	5848.799
1.75215	0.03146	3.02313	5849.843
1.75223	0.03146	3.02387	5850.615
1.7523	0.03147	3.02459	5851.174
1.75237	0.03147	3.025	5851.567
1.75244	0.03147	3.02584	5851.85
1.75251	0.03147	3.02651	5852.065
1.75258	0.03147	3.02717	5852.237
1.75264	0.03147	3.02781	5852.378
1.7527	0.03147	3.02849	5852.506
1.75276	0.03147	3.02921	5852.617

10:52:43.944	-14	0.00008	0	0.00102	0.143	0.000014	25.4
10:52:44.944	-14	0.00011	0	0.00116	0.175	0.000017	21.3
10:52:45.944	-14	0.00014	0	0.0015	0.276	0.000027	17.7
10:52:46.944	-14	0.00019	0	0.00285	0.654	0.000064	13.2
10:52:47.944	-14	0.00025	0	0.00515	2.081	0.000202	12.1
10:52:48.944	-14	0.00029	0	0.00603	4.447	0.000431	10.7
10:52:49.944	-14	0.00031	0	0.00474	5.8	0.000561	11.6
10:52:50.944	-14	0.00029	0	0.00295	5.892	0.000569	12.7
10:52:51.944	-14	0.00027	0	0.00211	5.515	0.000533	13.9
10:52:52.944	-14	0.00026	0	0.00191	5.483	0.00053	15.3
10:52:53.944	-14	0.00026	0	0.00238	5.773	0.000558	16.2
10:52:54.944	-14	0.00027	0	0.00347	6.021	0.000582	17.3
10:52:55.944	-14	0.00026	0	0.00315	6.081	0.000587	18.1
10:52:56.944	-14	0.00023	0	0.00281	5.414	0.000523	19
10:52:57.944	-14	0.00023	0	0.00255	5.229	0.000505	19.9
10:52:58.944	-14	0.00017	0	0.00189	3.726	0.00036	20.9
10:52:59.944	-14	0.00017	0	0.00213	3.73	0.00036	21.4
10:53:00.944	-14	0.00022	0	0.003	4.638	0.000448	22
10:53:01.944	-14	0.00025	0	0.00356	5.665	0.000548	22.2
10:53:02.944	-14	0.00026	0	0.003	5.931	0.000573	22.4
10:53:03.944	-14	0.00024	0	0.00266	5.49	0.00053	23.1
10:53:04.944	-14	0.00018	0	0.0016	4.006	0.000387	23.9
10:53:05.944	-14	0.00012	0	0.00085	2.592	0.00025	24.6
10:53:06.944	-14	0.00008	0	0.00076	1.759	0.00017	25.4
10:53:07.944	-14	0.00007	0	0.00069	1.553	0.00015	25.2
10:53:08.944	-14	0.00006	0	0.0006	1.219	0.000118	25
10:53:09.944	-14	0.00007	0	0.00056	1.022	0.000099	22.2
10:53:10.944	-14	0.0001	0	0.00054	1.039	0.000101	18.8
10:53:11.944	-14	0.00009	0	0.00041	0.6	0.000058	15.8
10:53:12.944	-14	0.00009	0	0.00077	0.471	0.000046	12
10:53:13.944	-14	0.00009	0	0.00117	0.483	0.000047	8.3
10:53:14.944	-14	0.0001	0	0.00143	0.655	0.000064	3.8
10:53:15.944	-14	0.0001	0	0.00162	0.804	0.000078	2.1
10:53:16.944	-14	0.00009	0	0.0014	0.977	0.000095	0
10:53:17.944	-14	0.00009	0	0.00109	0.988	0.000096	0
10:53:18.944	-14	0.00009	0	0.00123	0.882	0.000085	0
10:53:19.944	-14	0.00009	0	0.00086	0.799	0.000077	0
10:53:20.944	-14	0.00009	0	0.00121	0.781	0.000076	0
10:53:21.944	-14	0.00009	0	0.00131	0.773	0.000075	0
10:53:22.944	-14	0.00009	0	0.0013	0.762	0.000074	0
10:53:23.944	-14	0.00009	0	0.0013	0.762	0.000074	0
10:53:24.944	-14	0.00009	0	0.00129	0.76	0.000074	0
10:53:25.944	-14	0.00009	0	0.0013	0.763	0.000074	0
10:53:26.944	-14	0.00009	0	0.00129	0.762	0.000074	0
10:53:27.944	-14	0.00009	0	0.00129	0.759	0.000074	0
10:53:28.944	-14	0.00009	0	0.00129	0.761	0.000074	0
10:53:29.944	-14	0.00009	0	0.0013	0.76	0.000074	0

4.00E+00	-7.500	4.700	0.000	3.980	-8.000	190.4	14.3507	973	16.418	9.9	281.954653	242.462772
4.00E+00	-7.500	4.700	0.000	3.981	-4.000	190.4	19.52012	865	13.016	13.6	283.483726	237.722174
4.00E+00	-7.600	4.700	0.000	3.976	-4.200		18.79594	928	11.541	31.8	289.293573	234.703482
4.00E+00	-7.600	4.700	0.000	3.955	-3.500		31.75019	1422	10.794	66	288.953551	243.243193
3.90E+00	-7.600	4.700	0.000	3.885	-3.500		45.77299	1591	11.18	69.6	290.259795	262.25495
3.80E+00	-7.600	4.700	0.000	3.790	-5.000		47.34027	1703	12.054	73.2	295.021563	286.70896
3.80E+00	-7.600	4.800	0.000	3.819	-5.000		48.44689	1806	13.258	75.3	297.998099	305.700292
3.90E+00	-7.500	4.900	0.000	3.854	-7.200		48.04177	1785	14.474	76.5	301.946314	321.245
3.90E+00	-7.500	4.900	0.000	3.865	-4.000		42.70538	1652	15.091	77.1	305.532239	331.551198
3.90E+00	-7.500	4.900	0.000	3.859	-6.900		41.97306	1665	16.337	79.4	307.804651	340.259619
3.80E+00	-7.500	4.900	0.000	3.844	-6.100		42.13235	1684	16.991	79.7	309.305176	348.634862
3.80E+00	-7.500	4.900	0.000	3.838	-7.600		43.12164	1706	18.01	78.7	312.015666	355.23631
3.80E+00	-7.500	4.800	0.000	3.757	-9.200	190.5	43.74189	1734	18.848	78	310.149299	360.719121
3.80E+00	-7.400	4.800	0.000	3.759	-4.000	190.9	39.52134	1716	19.87	75.4	313.70644	363.442212
3.80E+00	-7.400	4.800	0.000	3.765	-8.800	191.2	37.83825	1701	20.49	73.2	310.656429	361.9175
3.80E+00	-7.400	4.800	0.000	3.772	-5.500	191.6	37.23833	1722	21.11	64.8	317.218004	360.768269
3.70E+00	-7.400	4.700	0.000	3.698	-5.200	192	27.27137	1670	21.11	56.1	315.209356	350.191346
3.70E+00	-7.400	4.700	0.000	3.710	-1.000	192.2	37.91639	1755	21.558	64.6	314.401408	345.074779
3.60E+00	-7.400	4.600	0.000	3.643	-0.300	192.2	42.13102	1812	22.162	69.1	314.2423	348.779608
3.60E+00	-7.300	4.600	0.000	3.617	-2.600	192.2	43.91647	1859	22.875	68.3	317.9683	348.3899
3.60E+00	-7.300	4.600	0.000	3.621	-1.600	192.2	42.67488	1892	23.651	68	323.575897	347.7
3.60E+00	-7.200	4.600	0.000	3.629	-5.600	192.2	30.7795	1452	24.22	66.2	328.085567	347.085808
3.60E+00	-7.100	4.600	0.000	3.630	-1.000		24.44808	1387	24.606	35.2	326.7791	341.623633
3.70E+00	-7.000	4.700	0.000	3.688	-7.000		13.33	1372	24.011	6.6	321.220935	329.076238
3.60E+00	-6.900	4.600	0.000	3.637	-3.400		12.38335	1251	21.938	0	314.92998	313.642712
3.70E+00	-6.900	4.600	0.000	3.663	-4.200		10.05922	1070	18.602	5.5	309.253661	300.312157
3.70E+00	-6.800	4.600	0.000	3.711	-1.300		9.78399	1060	14.949	5.5	304.864659	289.672013
3.80E+00	-6.800	4.600	0.000	3.771	-2.100	192.2	18.22245	883	12.042	15.7	298.751224	280.062391
3.80E+00	-6.800	4.600	0.000	3.829	-3.200	192.2	14.99544	840	8.579	20	293.52464	271.414892
3.80E+00	-6.800	4.500	0.000	3.787	-0.500	192.2	15.36267	797	4.667	34.2	290.51405	266
3.80E+00	-6.800	4.500	0.000	3.765	-4.800	192.2	16.166	798	1.265	38.1	289.615361	265.049183
3.80E+00	-6.800	4.600	0.000	3.809	-1.500	192.2	18.46516	788	0	32.6	290.377358	265.355336
3.80E+00	-6.700	4.600	0.000	3.803	-5.500	191.9	15.55098	765	0	26.9	292.816949	262.540717
3.80E+00	-6.800	4.600	0.000	3.774	-2.500	191.5	15.3	774	0	28.1	290.82434	258.700194
3.80E+00	-6.800	4.600	0.000	3.771	-4.000	191.1	15.12658	777	0	28.6	287.955274	254.940452
3.80E+00	-6.800	4.600	0.000	3.786	-5.100	190.8	15.30749	780	0	28.6	287.528868	251.771513
3.80E+00	-6.800	4.600	0.000	3.798	-2.900	190.4	15.16321	776	0	28.6	286.505828	249.319651
3.80E+00	-6.700	4.600	0.000	3.803	-4.400	190.4	15.49026	777	0	30.2	289.480295	247.306183
3.80E+00	-6.700	4.600	0.000	3.804	-3.400	190.4	15.60558	785	0	29	292.88283	245.338478
3.90E+00	-6.700	4.700	0.000	3.864	-5.800	190.4	15.45867	777	0	29	305.711282	243.574286
3.90E+00	-6.700	4.700	0.000	3.887	-2.300	190.4	15.43557	778	0	29.3	305.612023	241.671542
3.90E+00	-6.700	4.700	0.000	3.887	-5.300	190.4	15.46261	778	0	30	308.529563	240.150109
3.90E+00	-6.700	4.700	0.000	3.887	-4.600	190.4	15.49351	779	0	30	302.140541	238.832644
3.90E+00	-6.700	4.700	0.000	3.888	-2.400	190.4	15.48171	783	0	29.8	303.366667	237.563415
3.90E+00	-6.700	4.700	0.000	3.888	-5.300	190.4	15.50541	776	0	29.6	300.635371	235.545267
3.90E+00	-6.700	4.700	0.000	3.888	-0.900	190.4	15.56673	779	0	29.4	303.191919	234.937931
3.90E+00	-6.700	4.700	0.000	3.889	-4.600	190.4	15.40863	782	0	29.4	294.373995	232.966809

1.75284	0.03147	3.03023	5852.76
1.75295	0.03147	3.03139	5852.935
1.75309	0.03147	3.03289	5853.211
1.75328	0.03147	3.03574	5853.865
1.75353	0.03147	3.04089	5855.946
1.75382	0.03147	3.04692	5860.393
1.75413	0.03147	3.05166	5866.193
1.75442	0.03147	3.05461	5872.085
1.75469	0.03147	3.05672	5877.6
1.75495	0.03147	3.05863	5883.083
1.75521	0.03147	3.06101	5888.856
1.75548	0.03147	3.06448	5894.877
1.75574	0.03147	3.06763	5900.958
1.75597	0.03147	3.07044	5906.372
1.7562	0.03147	3.07299	5911.601
1.75637	0.03147	3.07488	5915.327
1.75654	0.03147	3.07701	5919.057
1.75676	0.03147	3.08001	5923.695
1.75701	0.03147	3.08357	5929.36
1.75727	0.03147	3.08657	5935.291
1.75751	0.03147	3.08923	5940.781
1.75769	0.03147	3.09083	5944.787
1.75781	0.03147	3.09168	5947.379
1.75789	0.03147	3.09244	5949.138
1.75796	0.03147	3.09313	5950.691
1.75802	0.03147	3.09373	5951.91
1.75809	0.03147	3.09429	5952.932
1.75819	0.03147	3.09483	5953.971
1.75828	0.03147	3.09524	5954.571
1.75837	0.03147	3.09601	5955.042
1.75846	0.03147	3.09718	5955.525
1.75856	0.03147	3.09861	5956.18
1.75866	0.03147	3.10023	5956.984
1.75875	0.03147	3.10163	5957.961
1.75884	0.03147	3.10272	5958.949
1.75893	0.03147	3.10395	5959.831
1.75902	0.03147	3.10481	5960.63
1.75911	0.03147	3.10602	5961.411
1.7592	0.03147	3.10733	5962.184
1.75929	0.03147	3.10863	5962.946
1.75938	0.03147	3.10993	5963.708
1.75947	0.03147	3.11122	5964.468
1.75956	0.03147	3.11252	5965.231
1.75965	0.03147	3.11381	5965.993
1.75974	0.03147	3.1151	5966.752
1.75983	0.03147	3.11639	5967.513
1.75992	0.03147	3.11769	5968.273

10:53:30.944	-14	0.00009	0	0.00129	0.754	0.000073	0
10:53:31.944	-14	0.00009	0	0.00129	0.747	0.000072	0
10:53:32.944	-14	0.00009	0	0.00129	0.744	0.000072	0
10:53:33.944	-14	0.00009	0	0.00129	0.745	0.000072	0
10:53:34.944	-14	0.00009	0	0.0013	0.748	0.000073	0
10:53:35.944	-14	0.00009	0	0.00129	0.744	0.000072	0
10:53:36.944	-14	0.00009	0	0.00129	0.739	0.000072	0
10:53:37.944	-14	0.00009	0	0.00129	0.741	0.000072	0
10:53:38.944	-14	0.00009	0	0.00129	0.742	0.000072	0
10:53:39.944	-14	0.00009	0	0.00129	0.743	0.000072	0
10:53:40.944	-14	0.00009	0	0.0013	0.745	0.000072	0
10:53:41.944	-14	0.00009	0	0.0013	0.737	0.000071	0
10:53:42.944	-14	0.00009	0	0.00129	0.737	0.000071	0
10:53:43.944	-14	0.00009	0	0.00129	0.739	0.000072	0
10:53:44.944	-14	0.00009	0	0.0013	0.741	0.000072	0
10:53:45.944	-14	0.00009	0	0.00129	0.737	0.000072	0
10:53:46.944	-14	0.00009	0	0.0013	0.741	0.000072	0
10:53:47.944	-14	0.00009	0	0.00129	0.734	0.000071	0
10:53:48.944	-14	0.00009	0	0.00129	0.738	0.000072	0
10:53:49.944	-14	0.00009	0	0.00129	0.734	0.000071	0
10:53:50.944	-14	0.00009	0.00001	0.00129	0.737	0.000071	0
10:53:51.944	-14	0.00009	0	0.00129	0.734	0.000071	0
10:53:52.944	-14	0.00009	0	0.00129	0.735	0.000071	0
10:53:53.944	-14	0.00009	0	0.00129	0.735	0.000071	0
10:53:54.944	-14	0.00009	0	0.00128	0.731	0.000071	0
10:53:55.944	-14	0.00009	0	0.00128	0.729	0.000071	0
10:53:56.944	-14	0.00009	0	0.00128	0.731	0.000071	0
10:53:57.944	-14	0.00009	0	0.00128	0.728	0.000071	0
10:53:58.944	-14	0.00009	0	0.00129	0.734	0.000071	0
10:53:59.944	-14	0.00009	0	0.00132	0.727	0.000071	0
10:54:00.944	-14	0.00009	0	0.00143	0.733	0.000071	0
10:54:01.944	-14	0.00009	0	0.00143	0.74	0.000072	0
10:54:02.944	-14	0.00009	0	0.00142	0.747	0.000073	0
10:54:03.944	-14	0.00009	0	0.00143	0.758	0.000074	0
10:54:04.944	-14	0.00009	0	0.00141	0.751	0.000073	0
10:54:05.944	-14	0.00009	0	0.00141	0.749	0.000073	0
10:54:06.944	-14	0.00009	0	0.00142	0.749	0.000073	0
10:54:07.944	-14	0.00009	0	0.0014	0.74	0.000072	0
10:54:08.944	-14	0.00009	0	0.00141	0.745	0.000072	0
10:54:09.944	-14	0.00009	0	0.00142	0.747	0.000072	0
10:54:10.944	-14	0.00009	0	0.00142	0.741	0.000072	0
10:54:11.944	-14	0.00009	0	0.00147	0.734	0.000071	0
10:54:12.944	-14	0.00009	0	0.00155	0.726	0.00007	0
10:54:13.944	-14	0.00009	0	0.00155	0.726	0.00007	0
10:54:14.944	-14	0.00009	0	0.00144	0.726	0.00007	0
10:54:15.944	-14	0.00009	0	0.00141	0.725	0.00007	0
10:54:16.944	-14	0.00009	0	0.00141	0.726	0.00007	0

3.90E+00	-6.700	4.700	0.000	3.889	-2.200	190.4	15.42938	776	0	30.1	291.110348	231.65005
3.90E+00	-6.700	4.700	0.000	3.890	-4.800	190.4	15.4243	783	0	29.9	292.445094	230.986628
3.90E+00	-6.700	4.700	0.000	3.891	-2.600	190.4	15.51279	777	0	29.1	274.214194	229.616687
3.90E+00	-6.700	4.700	0.000	3.891	-3.400	190.4	15.28113	780	0	29.4	278.016699	228.837041
3.90E+00	-6.700	4.700	0.000	3.891	-5.500	190.4	15.38335	780	0	29.5	285.342788	227.466484
3.90E+00	-6.700	4.700	0.000	3.891	-1.500	190.4	15.48079	777	0	30.1	290.135065	226.6
3.90E+00	-6.700	4.700	0.000	3.891	-5.600	190.4	15.59388	781	0	29.9	290.760788	225.792189
3.90E+00	-6.700	4.700	0.000	3.891	-1.300	190.4	15.2425	778	0	30.1	290.657439	224.927327
3.90E+00	-6.700	4.700	0.000	3.891	-5.600	190.3	15.3113	776	0	29.5	289.350093	223.448235
3.90E+00	-6.700	4.700	0.000	3.891	-1.800	189.9	15.39596	780	0	29.9	287.748197	222.350787
3.90E+00	-6.700	4.700	0.000	3.891	-4.100	189.6	15.40767	778	0	30.2	290.972209	221.676471
3.90E+00	-6.700	4.700	0.000	3.892	-4.100	189.2	15.46624	783	0	29.8	303.292814	221.003937
3.90E+00	-6.700	4.700	0.000	3.892	-3.800	188.8	15.27202	777	0	29.3	301.226986	220.257003
3.90E+00	-6.600	4.700	0.000	3.892	-6.200	188.6	15.42717	776	0	30	289.830026	219
3.90E+00	-6.400	4.700	0.000	3.892	-1.600	188.6	15.29442	782	0	29.9	280.335433	218.850501
3.90E+00	-6.400	4.700	0.000	3.892	-5.600	188.6	15.36437	777	0	30.4	268.52126	217.6
3.90E+00	-6.400	4.700	0.000	3.893	-2.000	188.6	15.40727	784	0	29.9	266.593785	217.094862
3.90E+00	-6.400	4.700	0.000	3.893	-4.800	188.6	15.38242	777	0	29	276.554893	216.036386
3.90E+00	-6.400	4.700	0.000	3.893	-2.500	188.6	15.34695	777	0	29.4	279.7762	215.337769
3.90E+00	-6.400	4.700	0.000	3.893	-0.100	188.6	15.32719	780	0	29.4	288.189231	214.709836
3.90E+00	-6.400	4.700	0.000	3.893	1.900	188.6	15.31616	777	0	29.5	288.569833	213.582035
3.90E+00	-6.500	4.700	0.000	3.893	-0.200	188.6	15.2476	783	0	29.6	288.429206	213.2
3.90E+00	-6.500	4.700	0.000	3.893	-5.800		15.15742	779	0	29	295.902703	212.745098
3.90E+00	-6.500	4.700	0.000	3.894	-2.800		15.10138	780	0	29	293.446698	211.524778
3.90E+00	-6.600	4.700	0.000	3.894	-6.000		15.29737	778	0	29	292.117782	210.75
3.90E+00	-6.600	4.700	0.000	3.894	-3.200		15.1772	775	0	29.2	291.832934	210.6
3.90E+00	-6.600	4.700	0.000	3.894	-5.200		15.361	783	0	29.6	289.896545	210.156832
3.90E+00	-6.600	4.700	0.000	3.894	-4.000	188.6	15.14838	777	0	29.1	295.757403	208.96
3.90E+00	-6.700	4.700	0.000	3.894	-2.900	188.6	15.19127	778	0	29.7	300.388421	208.167826
3.90E+00	-6.700	4.700	0.000	3.894	-4.800	188.6	15.42968	771	0	30.6	288.95	208.697333
3.90E+00	-6.800	4.700	0.000	3.894	-2.300	188.6	14.9983	780	0	31	260.358974	207.663899
3.90E+00	-6.800	4.700	0.000	3.893	-6.200	188.6	15.21704	785	0	30	256.840115	207.867059
3.90E+00	-6.800	4.700	0.000	3.891	-4.500	188.3	15.29303	777	0	29.8	256.085221	207.2744
3.90E+00	-6.700	4.700	0.000	3.890	-6.300	187.9	15.26129	779	0	29.5	255.827404	206.9
3.90E+00	-6.700	4.700	0.000	3.890	-5.800	187.5	15.16781	780	0	29.8	255.722021	206.596667
3.80E+00	-6.800	4.600	0.000	3.829	-4.400	187.1	15.12235	776	0	30.2	275.640192	205.476509
3.80E+00	-6.700	4.600	0.000	3.807	-5.300	186.8	15.20465	782	0	29.8	274.917437	204.482382
3.80E+00	-6.800	4.600	0.000	3.807	-1.800	186.8	15.04556	781	0	29.8	274.776923	203.846397
3.80E+00	-6.800	4.600	0.000	3.807	-7.800	186.8	15.03946	777	0	29.4	273.248023	203.6
3.80E+00	-6.800	4.600	0.000	3.808	-3.200	186.8	15.22794	778	0	29.4	272.802143	202.893973
3.80E+00	-6.800	4.600	0.000	3.809	-6.500	186.8	15.12794	779	0	29.5	283.567788	202.4
3.80E+00	-6.800	4.600	0.000	3.810	-3.500	186.8	15.18787	784	0	29.7	281.578846	201.925896
3.80E+00	-6.800	4.600	0.000	3.810	-5.100	186.8	14.96904	778	0	29.5	280.973558	201.7
3.90E+00	-6.800	4.700	0.000	3.893	-4.600	186.8	15.08153	779	0	29.7	280.314151	200.895644
3.90E+00	-6.800	4.700	0.000	3.893	-2.500	186.8	15.14676	778	0	29.5	280.99413	200.092049
3.90E+00	-6.800	4.700	0.000	3.893	-7.400	186.8	15.02835	773	0	29.9	280.389603	199.424083
3.90E+00	-6.800	4.700	0.000	3.893	-2.600	186.8	15.15388	788	0	30.1	279.922212	199.2

1.76001	0.03147	3.11898	5969.027
1.7601	0.03147	3.12027	5969.774
1.76019	0.03147	3.12156	5970.518
1.76028	0.03147	3.12285	5971.263
1.76037	0.03147	3.12415	5972.011
1.76046	0.03147	3.12544	5972.755
1.76055	0.03147	3.12673	5973.494
1.76064	0.03147	3.12802	5974.235
1.76073	0.03147	3.12931	5974.977
1.76082	0.03147	3.1306	5975.72
1.76091	0.03147	3.1319	5976.465
1.761	0.03147	3.1332	5977.202
1.76109	0.03147	3.13449	5977.939
1.76118	0.03147	3.13578	5978.678
1.76127	0.03147	3.13708	5979.419
1.76136	0.03147	3.13837	5980.156
1.76145	0.03147	3.13967	5980.897
1.76154	0.03147	3.14096	5981.631
1.76163	0.03147	3.14225	5982.369
1.76172	0.03147	3.14354	5983.103
1.76181	0.03148	3.14483	5983.84
1.7619	0.03148	3.14612	5984.574
1.76199	0.03148	3.14741	5985.309
1.76208	0.03148	3.1487	5986.044
1.76217	0.03148	3.14998	5986.775
1.76226	0.03148	3.15126	5987.504
1.76235	0.03148	3.15254	5988.235
1.76244	0.03148	3.15382	5988.963
1.76253	0.03148	3.15511	5989.697
1.76262	0.03148	3.15643	5990.424
1.76271	0.03148	3.15786	5991.157
1.7628	0.03148	3.15929	5991.897
1.76289	0.03148	3.16071	5992.644
1.76298	0.03148	3.16214	5993.402
1.76307	0.03148	3.16355	5994.153
1.76316	0.03148	3.16496	5994.902
1.76325	0.03148	3.16638	5995.651
1.76334	0.03148	3.16778	5996.391
1.76343	0.03148	3.16919	5997.136
1.76352	0.03148	3.17061	5997.883
1.76361	0.03148	3.17203	5998.624
1.7637	0.03148	3.1735	5999.358
1.76379	0.03148	3.17505	6000.084
1.76388	0.03148	3.1766	6000.81
1.76397	0.03148	3.17804	6001.536
1.76406	0.03148	3.17945	6002.261
1.76415	0.03148	3.18086	6002.987

10:54:17.944	-14	0.00009	0	0.00138	0.711	0.000069	0
10:54:18.944	-14	0.00009	0	0.00136	0.702	0.000068	0
10:54:19.944	-14	0.0001	0	0.0016	0.827	0.00008	0
10:54:20.944	-14	0.00015	0	0.00234	1.39	0.000135	0
10:54:21.944	-14	0.00034	0	0.00794	4.555	0.000442	1.4
10:54:22.944	-14	0.00048	0	0.01088	9.526	0.000922	3
10:54:23.944	-14	0.00062	0	0.00956	12.931	0.00125	6.5
10:54:24.944	-14	0.00062	0	0.00825	12.972	0.001254	10.8
10:54:25.944	-14	0.00061	0	0.00809	13.018	0.001258	14.6
10:54:26.944	-14	0.00045	0	0.0049	9.487	0.000917	19.3
10:54:27.944	-14	0.00031	0	0.00378	6.355	0.000614	22
10:54:28.944	-14	0.00023	0	0.00306	4.679	0.000452	25.4
10:54:29.944	-14	0.00024	0	0.00299	5.069	0.00049	26.4
10:54:30.944	-14	0.0004	0	0.00451	8.908	0.000861	27.6
10:54:31.944	-14	0.0005	0	0.00868	12.383	0.001196	28
10:54:32.944	-14	0.00045	0	0.00591	11.206	0.001082	28.5
10:54:33.944	-14	0.0003	0	0.00301	6.868	0.000663	30.9
10:54:34.944	-14	0.00026	0	0.00291	5.692	0.00055	33.8
10:54:35.944	-14	0.00022	0	0.0027	5.21	0.000503	34.4
10:54:36.944	-14	0.00019	0	0.00171	4.458	0.000431	35.2
10:54:37.944	-14	0.00016	0	0.00141	3.554	0.000343	35.8
10:54:38.944	-14	0.00015	0	0.00169	3.268	0.000316	36.6
10:54:39.944	-14	0.00015	0.00001	0.00193	3.211	0.00031	36.4
10:54:40.944	-14	0.00016	0	0.0018	3.288	0.000318	36.2
10:54:41.944	-14	0.00016	0.00002	0.0014	3.229	0.000312	36.2
10:54:42.944	-14	0.00014	0	0.00132	2.938	0.000284	36.2
10:54:43.944	-14	0.00011	0	0.00115	2.198	0.000212	36.2
10:54:44.944	-14	0.00014	0	0.00152	2.478	0.00024	36.2
10:54:45.944	-14	0.00014	0.00001	0.00096	1.835	0.000178	35.7
10:54:46.944	-14	0.00016	0.00003	0.00136	1.87	0.000181	35
10:54:47.944	-14	0.00022	0	0.00381	3.935	0.000381	34.8
10:54:48.944	-14	0.00027	0.00001	0.00629	6.285	0.000608	34.6
10:54:49.944	-14	0.00028	0	0.00363	7.146	0.00069	35.3
10:54:50.944	-14	0.00028	0	0.00317	7.29	0.000704	36.1
10:54:51.944	-14	0.00026	0	0.00287	6.696	0.000647	37
10:54:52.944	-14	0.00023	0	0.00268	5.662	0.000547	38.2
10:54:53.944	-14	0.00021	0	0.0027	4.849	0.000469	38.6
10:54:54.944	-14	0.0002	0	0.00273	4.637	0.000448	39.2
10:54:55.944	-14	0.00018	0	0.00236	4.523	0.000437	39.4
10:54:56.944	-14	0.00018	0	0.00211	4.605	0.000445	39.6
10:54:57.944	-14	0.00018	0	0.00202	4.591	0.000443	40
10:54:58.944	-14	0.00016	0	0.00184	4.148	0.000401	40.5
10:54:59.944	-14	0.00012	0	0.00139	3.134	0.000303	40.7
10:55:00.944	-14	0.00009	0	0.00098	2.027	0.000196	40.9
10:55:01.944	-14	0.0001	0	0.00114	1.955	0.000189	40.4
10:55:02.944	-14	0.00015	0.00002	0.00093	2.143	0.000207	39.8
10:55:03.944	-14	0.00013	0	0.00129	1.441	0.00014	39.3

3.90E+00	-6.800	4.700	0.000	3.893	-6.800	186.8	15.05	777	0	30.2	279.241731	198.794188
3.80E+00	-6.800	4.600	0.000	3.810	-4.500	186.8	13.96837	760	0	35.9	278.758846	199.0062
3.80E+00	-6.800	4.600	0.000	3.810	-7.400	186.8	16.16597	799	0.194	44.7	289.993421	201.71907
3.80E+00	-6.700	4.600	0.000	3.793	-6.700	186.8	19.56432	1112	2.046	60.5	294.450385	208.684615
3.70E+00	-6.700	4.600	0.000	3.739	-4.500		50.52298	1668	5.214	73.8	289.550204	230.540602
3.70E+00	-6.600	4.700	0.000	3.708	-8.400		79.36414	2160	9.546	65	294.018542	276.57495
3.80E+00	-6.500	4.900	0.000	3.844	-4.700		100.17326	2163	13.153	63.5	293.265331	308.144714
3.90E+00	-6.200	4.900	0.000	3.864	-9.500		95.84295	2155	16.925	74.9	291.662552	338.314904
3.90E+00	-5.700	4.900	0.000	3.857	-6.000		100.50456	2218	20.177	76.2	289.935938	362.0236
3.90E+00	-5.200	4.900	0.000	3.860	-7.800	187	85.93933	2176	23.288	75.1	286.762729	378.6502
3.90E+00	-5.100	4.900	0.000	3.870	-5.500	187.4	47.7678	1887	24.84	76.2	281.550413	372.827165
3.90E+00	-5.100	4.900	0.000	3.872	-6.400	187.7	39.6615	1498	25.959	69.9	289.668031	370.104894
3.90E+00	-5.100	4.900	0.000	3.862	-7.800	188.1	29.52843	1461	25.517	54.7	293.745603	355.331573
3.80E+00	-5.200	4.900	0.000	3.846	-4.600	188.5	65.63807	1522	26.86	74.1	298.858333	358.251373
3.80E+00	-5.400	4.900	0.000	3.812	-6.800	188.9	83.23333	1659	28.924	81.7	318.511316	390.768293
3.70E+00	-4.900	4.800	0.000	3.733	-4.800	189.3	80.80818	1785	31.374	72.6	331.626154	406.860356
3.80E+00	-3.300	4.800	0.000	3.761	-7.200	189.7	47.40661	1821	32.811	80.4	312.566085	403.00589
3.80E+00	-2.700	4.800	0.000	3.779	-4.100	190.1	43.14453	1608	33.66	80.1	288.109756	397.125789
3.80E+00	-2.800	4.800	0.000	3.755	-5.100	190.5	40.11076	1641	34.392	77.6	277.393384	395.38872
3.80E+00	-4.000	4.800	0.000	3.755	-4.300	190.9	30.0208	1548	34.78	69.3	276.949136	386.533133
3.80E+00	-4.900	4.800	0.000	3.766	-1.400	191.3	26.51722	1373	34.78	64.8	275.837885	376.866667
3.80E+00	-5.200	4.800	0.000	3.775	-3.300	191.7	23.86	1374	34.78	56.9	267.309792	364.939302
3.80E+00	-5.500	4.800	0.000	3.781	0.500	192.1	24.90889	1373	34.904	58	278.448586	356.116957
3.80E+00	-5.900	4.800	0.000	3.788	-1.600	192.2	26.39079	1376	34.78	58.2	287.911053	348.544667
3.80E+00	-6.100	4.800	0.000	3.790	1.400	192.2	26.14205	1380	34.78	58	296.116624	343.074565
3.70E+00	-6.100	4.700	0.000	3.716	-0.900	192.2	26.02602	1374	34.78	45	294.670459	337.340233
3.70E+00	-6.100	4.700	0.000	3.722	0.500	192.2	11.08095	1356	34.374	10.5	292.993705	324.922444
3.80E+00	-6.100	4.700	0.000	3.759	0.300	192.2	25.21793	1327	33.53	27.1	277.481346	310.106522
3.80E+00	-6.100	4.700	0.000	3.815	0.900	192.2	22.53813	1315	33.53	41.3	270.34896	301.948571
3.80E+00	-6.100	4.600	0.000	3.754	2.600	192.2	25.6494	1315	33.53	70.5	270.727357	303.136178
3.70E+00	-6.100	4.600	0.000	3.681	-0.700	192.2	42.48583	1335	33.662	86	271.129792	317.081628
3.60E+00	-6.100	4.600	0.000	3.609	0.500	192.2	46.63333	1364	34.414	77.1	269.040173	335.085917
3.60E+00	-6.000	4.600	0.000	3.582	-4.100	192.2	46.23209	1399	35.631	77.9	272.446737	349.885373
3.60E+00	-5.900	4.600	0.000	3.580	-3.100	192.2	47.42913	1432	36.251	78.7	274.397206	362.033834
3.60E+00	-5.900	4.600	0.000	3.585	-4.200	192.2	45.73241	1466	37.26	76.5	277.272929	370.67013
3.60E+00	-5.900	4.600	0.000	3.596	-4.100	192.2	37.66	1491	37.88	72.9	272.809388	371.043023
3.60E+00	-5.900	4.600	0.000	3.613	-0.900	192.2	35.3436	1501	38.268	78.1	272.6	370.179293
3.60E+00	-5.900	4.600	0.000	3.609	-3.400	192.4	34.1581	1513	38.5	78.9	286.664872	370.898224
3.50E+00	-5.900	4.500	0.000	3.544	-1.300	192.8	32.19261	1525	38.5	74.8	292.765281	370.0368
3.50E+00	-5.900	4.500	0.000	3.517	-4.600	193.2	32.87337	1533	39.12	73.9	292.8475	369.3
3.50E+00	-5.900	4.500	0.000	3.515	-1.000	193.6	32.47667	1540	39.12	74.5	314.242895	369.3
3.50E+00	-5.900	4.500	0.000	3.516	-4.200	194	32.52	1544	39.12	65.7	319.083973	366.750388
3.50E+00	-5.900	4.500	0.000	3.518	-2.900	193.6	22.58778	1540	39.12	38.5	308.799527	354.949618
3.50E+00	-5.900	4.500	0.000	3.542	-2.200	193.3	12.10371	1513	38.5	4.6	303.681923	337.099
3.60E+00	-6.000	4.500	0.000	3.587	-0.800	192.9	12.95856	1485	37.88	18.1	294.427632	320.293488
3.60E+00	-6.000	4.500	0.000	3.647	1.400	192.5	28.215	1473	37.26	32	284.996744	308.952769
3.60E+00	-6.000	4.400	0.000	3.629	0.000	192.2	25.08226	1455	36.64	28.8	281.468362	301.623696

1.76424	0.03148	3.18224	6003.698
1.76433	0.03148	3.1836	6004.4
1.76443	0.03148	3.1852	6005.227
1.76458	0.03148	3.18754	6006.617
1.76492	0.03148	3.19548	6011.172
1.7654	0.03148	3.20636	6020.698
1.76602	0.03148	3.21592	6033.629
1.76664	0.03148	3.22417	6046.601
1.76725	0.03148	3.23226	6059.619
1.7677	0.03148	3.23716	6069.106
1.76801	0.03148	3.24094	6075.461
1.76824	0.03148	3.244	6080.14
1.76848	0.03148	3.24699	6085.209
1.76888	0.03148	3.2515	6094.117
1.76938	0.03148	3.26018	6106.5
1.76983	0.03148	3.26609	6117.706
1.77013	0.03148	3.2691	6124.574
1.77039	0.03148	3.27201	6130.266
1.77061	0.03148	3.27471	6135.476
1.7708	0.03148	3.27642	6139.934
1.77096	0.03148	3.27783	6143.488
1.77111	0.03148	3.27952	6146.756
1.77126	0.03149	3.28145	6149.967
1.77142	0.03149	3.28325	6153.255
1.77158	0.03151	3.28465	6156.484
1.77172	0.03151	3.28597	6159.422
1.77183	0.03151	3.28712	6161.62
1.77197	0.03151	3.28864	6164.098
1.77211	0.03152	3.2896	6165.933
1.77227	0.03155	3.29096	6167.803
1.77249	0.03155	3.29477	6171.738
1.77276	0.03156	3.30106	6178.023
1.77304	0.03156	3.30469	6185.169
1.77332	0.03156	3.30786	6192.459
1.77358	0.03156	3.31073	6199.155
1.77381	0.03156	3.31341	6204.817
1.77402	0.03156	3.31611	6209.666
1.77422	0.03156	3.31884	6214.303
1.7744	0.03156	3.3212	6218.826
1.77458	0.03156	3.32331	6223.431
1.77476	0.03156	3.32533	6228.022
1.77492	0.03156	3.32717	6232.17
1.77504	0.03156	3.32856	6235.304
1.77513	0.03156	3.32954	6237.331
1.77523	0.03156	3.33068	6239.286
1.77538	0.03158	3.33161	6241.429
1.77551	0.03158	3.3329	6242.87

10:55:04.944	-14	0.00008	0.00001	0.0012	0.941	0.000091	38.6
10:55:05.944	-14	0.00007	0	0.00108	0.875	0.000085	37.4
10:55:06.944	-14	0.00006	0	0.0009	0.842	0.000082	35.9
10:55:07.944	-14	0.00008	0	0.00108	0.969	0.000094	30.6
10:55:08.944	-14	0.00009	0	0.00094	0.764	0.000074	24.1
10:55:09.944	-14	0.00008	0	0.00083	0.495	0.000048	20.2
10:55:10.944	-14	0.00008	0	0.0009	0.446	0.000043	15.4
10:55:11.944	-14	0.00008	0	0.00099	0.453	0.000044	12.5
10:55:12.944	-14	0.00008	0	0.00102	0.492	0.000048	9
10:55:13.944	-14	0.00008	0	0.00114	0.575	0.000056	6.5
10:55:14.944	-14	0.00009	0	0.00144	0.757	0.000073	3.5
10:55:15.944	-14	0.0001	0	0.0019	1.135	0.00011	1.9
10:55:16.944	-14	0.00014	0	0.00285	1.884	0.000183	0
10:55:17.944	-14	0.00018	0	0.00378	3.134	0.000303	1.7
10:55:18.944	-14	0.00022	0	0.00386	4.494	0.000435	3.9
10:55:19.944	-14	0.00022	0	0.00302	4.886	0.000472	5.9
10:55:20.944	-14	0.00023	0	0.0031	5.174	0.0005	8.3
10:55:21.944	-14	0.00037	0	0.00495	8.709	0.000842	9.2
10:55:22.944	-14	0.00056	0	0.00786	14.815	0.001431	10.4
10:55:23.944	-14	0.00074	0	0.0108	19.593	0.001893	12.9
10:55:24.944	-14	0.00184	0	0.01035	20.398	0.00197	15.9
10:55:25.944	-14	0.00448	0	0.01024	20.13	0.001944	19.7
10:55:26.944	-14	0.00621	0	0.00952	18.856	0.001821	24.5
10:55:27.944	-14	0.00667	0	0.00797	17.282	0.001669	28.1
10:55:28.944	-14.8	0.00698	0	0.00729	16.757	0.001618	32.5
10:55:29.944	-14.2	0.00619	0	0.00662	13.245	0.00128	35
10:55:30.944	-14	0.0041	0	0.0055	8.667	0.000838	38
10:55:31.944	-14	0.00223	0	0.00457	6.638	0.000642	39.2
10:55:32.944	-14.8	0.00132	0	0.00406	6.719	0.000649	40.7
10:55:33.944	-15	0.00076	0	0.00377	7.29	0.000704	41.2
10:55:34.944	-15	0.00043	0	0.00367	7.624	0.000736	41.8
10:55:35.944	-15	0.00029	0	0.00376	7.812	0.000754	42.2
10:55:36.944	-14.2	0.00028	0	0.00367	7.59	0.000733	42.8
10:55:37.944	-14	0.00024	0	0.00309	6.106	0.00059	43.2
10:55:38.944	-14.8	0.00022	0	0.0029	5.494	0.000531	43.8
10:55:39.944	-14.2	0.00021	0	0.00282	5.308	0.000513	44.1
10:55:40.944	-14	0.00019	0	0.00243	4.928	0.000476	44.4
10:55:41.944	-14.8	0.00016	0	0.00202	4.246	0.00041	44.4
10:55:42.944	-14.2	0.00015	0	0.00204	3.844	0.000371	44.5
10:55:43.944	-14.8	0.00015	0	0.00211	3.962	0.000383	44.5
10:55:44.944	-15	0.00016	0	0.00226	4.257	0.000411	44.5
10:55:45.944	-15	0.00017	0	0.00242	4.66	0.00045	44.5
10:55:46.944	-15	0.00018	0	0.00246	5.18	0.0005	44.4
10:55:47.944	-15	0.0002	0	0.00233	5.83	0.000563	44.6
10:55:48.944	-15	0.00019	0	0.00204	5.738	0.000554	44.8
10:55:49.944	-15	0.00019	0	0.00197	5.386	0.00052	45
10:55:50.944	-15	0.00018	0	0.0024	5.046	0.000487	45.2

3.60E+00	-6.000	4.400	0.000	3.606	1.500	192.2	12.57031	1406	35.724	4.4	281.143762	292.350742
3.60E+00	-6.000	4.400	0.000	3.587	-1.800	192.2	11.1464	1205	30.783	1.4	281.466455	281.871869
3.60E+00	-6.100	4.400	0.000	3.579	-0.700	192.2	9.47735	1031	24.007	7.7	279.650233	272.991758
3.60E+00	-6.100	4.400	0.000	3.601	-0.200	192.2	16.46095	908	18.214	13.5	279.073396	266.521765
3.60E+00	-6.100	4.400	0.000	3.641	-1.600	192.2	15.21427	851	15.156	14.3	280.118163	260.52337
3.60E+00	-6.100	4.300	0.000	3.591	-0.400	192.2	14.40614	848	12.215	17.6	280.280962	253.2075
3.60E+00	-6.100	4.300	0.000	3.599	-3.700	192.2	15.34329	834	8.852	27.4	280.972404	249.9267
3.60E+00	-6.100	4.300	0.000	3.599	-0.300	192.2	15.04533	804	6.94	28.3	275.347826	247.005941
3.50E+00	-6.100	4.200	0.000	3.510	-6.500	192.2	15.79778	820	3.67	32.9	272.3225	247.752009
3.50E+00	-6.100	4.200	0.000	3.499	-3.600	192.2	15.66297	795	1.563	37.6	269.149868	249.517686
3.50E+00	-6.100	4.200	0.000	3.479	-5.200	192.2	15.48834	790	0	39.3	269.901247	252.551049
3.50E+00	-6.100	4.200	0.000	3.454	-6.700	192.2	18.81841	937	0.88	49.1	271.406394	256.537543
3.40E+00	-6.100	4.200	0.000	3.425	-4.500	192.2	26.62798	1231	2.822	76.7	275.201349	264.742731
3.50E+00	-6.000	4.300	0.000	3.460	-8.400	192.2	34.13083	1395	4.971	64.5	281.585	277.292786
3.40E+00	-5.900	4.300	0.000	3.421	-3.500	192.2	38.33339	1590	6.419	62.5	286.049057	289.539391
3.40E+00	-5.900	4.300	0.000	3.407	-7.600	192.2	42.69684	1779	8.07	58.2	288.404283	300.617391
3.40E+00	-5.900	4.300	0.000	3.404	-5.000	192.2	34.3855	1486	8.95	59.9	291.041667	306.05
3.40E+00	-5.900	4.300	0.000	3.391	-8.000	192.2	64.56679	1888	11.641	87.7	292.734549	330.228012
3.40E+00	-5.900	4.300	0.000	3.359	-7.300	192.1	111.06741	2238	14.744	81.6	296.93858	366.35025
3.40E+00	-3.900	4.300	0.000	3.359	-7.200	191.7	135.59406	2388	18.327	71.1	303.055577	399.331532
8.00E+00	5.900	4.300	4.609	3.361	-9.300	191.3	145.02498	2560	22.672	79.8	307.281696	428.868432
1.97E+01	20.800	4.300	16.299	3.362	-7.700	191	154.35888	2638	26.805	81.8	304.595833	449.626807
2.93E+01	33.200	4.300	25.969	3.359	-9.500	190.6	135.45535	2293	30.86	83.1	322.928571	463.634783
3.48E+01	40.200	4.400	31.388	3.412	-5.600	190.6	133.76747	2209	33.593	83.6	349.634908	469.982916
3.76E+01	43.900	4.400	34.187	3.430	-10.000	191	117.62164	2058	36.26	81	355.468443	472.462575
3.99E+01	46.500	4.400	36.457	3.449	-5.500	191.4	101.571	2161	38.012	73.1	356.325	470.110242
3.85E+01	44.500	4.400	35.047	3.465	-8.500	191.8	71.02393	1929	39.12	72.2	375.438462	454.657143
2.74E+01	30.400	4.400	23.956	3.464	-8.200		53.83478	1700	39.74	79.4	358.437692	444.890119
1.69E+01	17.200	4.400	13.452	3.445	-7.400		48.16358	1588	40.37	81.5	357.824813	440.724314
9.50E+00	7.800	4.400	6.106	3.427	-7.800		50.58319	1609	40.99	80.1	359.745946	439.569254
5.20E+00	2.300	4.400	1.785	3.420	-5.800		51.40476	1626	41.449	78.9	361.566934	438.334975
3.40E+00	-0.400	4.400	0.000	3.420	-8.200		52.80655	1647	41.61	78.5	359.453654	437.486486
3.40E+00	-1.700	4.400	0.000	3.425	-5.700		52.93277	1665	42.23	79.2	361.484	436.594515
3.40E+00	-2.400	4.400	0.000	3.439	-7.400	195.8	41.2609	1679	42.85	72.7	361.926679	431.0076
3.40E+00	-2.800	4.300	0.000	3.391	-5.800	195.8	39.50705	1686	42.85	76.1	357.01382	422.302803
3.40E+00	-3.200	4.300	0.000	3.374	-4.600	195.8	39.8468	1693	42.85	76.8	352.859125	418.301362
3.40E+00	-4.000	4.300	0.000	3.369	-7.200	195.8	37.52682	1696	42.85	74.1	341.681395	414.063898
3.30E+00	-4.400	4.200	0.000	3.288	-1.900	195.8	27.09492	1403	42.85	72.5	329.220428	406.965517
3.30E+00	-4.700	4.200	0.000	3.295	-6.700	195.8	28.14442	1396	42.85	69.6	317.459302	399.561294
3.30E+00	-5.100	4.200	0.000	3.294	-3.200	195.8	30.38672	1395	42.85	70.7	320.393776	394.2
3.20E+00	-5.300	4.100	0.000	3.232	-5.100	195.8	32.19333	1390	42.85	73.6	323.591134	391.9
3.20E+00	-5.300	4.100	0.000	3.207	-4.200	195.8	34.31234	1396	42.85	78.6	330.98215	392.349902
3.20E+00	-5.500	4.100	0.000	3.198	-5.500	195.8	36.76354	1404	42.882	80.1	335.863158	396.21373
3.20E+00	-5.500	4.100	0.000	3.184	-6.000	195.8	38.70924	1411	43.47	78.6	339.396815	401.064047
3.20E+00	-5.500	4.100	0.000	3.183	-3.500	195.8	38.32593	1418	43.47	75.6	339.98476	403.656
3.20E+00	-5.500	4.100	0.000	3.192	-7.500	195.8	36.08957	1423	44.09	74.5	342.502551	402.466034
3.20E+00	-5.500	4.100	0.000	3.200	-3.000	195.8	34.52	1429	44.09	75.8	341.76618	400.212288

1.77559	0.03159	3.3341	6243.811
1.77566	0.03159	3.33518	6244.686
1.77572	0.03159	3.33608	6245.528
1.7758	0.03159	3.33716	6246.497
1.77589	0.03159	3.3381	6247.261
1.77597	0.03159	3.33893	6247.756
1.77605	0.03159	3.33983	6248.202
1.77613	0.03159	3.34082	6248.655
1.77621	0.03159	3.34184	6249.147
1.77629	0.03159	3.34298	6249.722
1.77638	0.03159	3.34442	6250.479
1.77648	0.03159	3.34632	6251.614
1.77662	0.03159	3.34917	6253.498
1.7768	0.03159	3.35295	6256.632
1.77702	0.03159	3.35681	6261.126
1.77724	0.03159	3.35983	6266.012
1.77747	0.03159	3.36293	6271.186
1.77784	0.03159	3.36788	6279.895
1.7784	0.03159	3.37574	6294.71
1.77914	0.03159	3.38654	6314.303
1.78098	0.03159	3.39689	6334.701
1.78546	0.03159	3.40713	6354.831
1.79167	0.03159	3.41665	6373.687
1.79834	0.03159	3.42462	6390.969
1.80532	0.03159	3.43191	6407.726
1.81151	0.03159	3.43853	6420.971
1.81561	0.03159	3.44403	6429.638
1.81784	0.03159	3.4486	6436.276
1.81916	0.03159	3.45266	6442.995
1.81992	0.03159	3.45643	6450.285
1.82035	0.03159	3.4601	6457.909
1.82064	0.03159	3.46386	6465.721
1.82092	0.03159	3.46753	6473.311
1.82116	0.03159	3.47062	6479.417
1.82138	0.03159	3.47352	6484.911
1.82159	0.03159	3.47634	6490.219
1.82178	0.03159	3.47877	6495.147
1.82194	0.03159	3.48079	6499.393
1.82209	0.03159	3.48283	6503.237
1.82224	0.03159	3.48494	6507.199
1.8224	0.03159	3.4872	6511.456
1.82257	0.03159	3.48962	6516.116
1.82275	0.03159	3.49208	6521.296
1.82295	0.03159	3.49441	6527.126
1.82314	0.03159	3.49645	6532.864
1.82333	0.03159	3.49842	6538.25
1.82351	0.03159	3.50082	6543.296

10:55:51.944	-14.2	0.00018	0	0.00247	4.829	0.000466	45.4
10:55:52.944	-14.8	0.00016	0	0.0023	4.517	0.000436	45.6
10:55:53.944	-14.2	0.00015	0	0.00218	4.294	0.000415	45.8
10:55:54.944	-14.8	0.00016	0	0.00225	4.374	0.000422	46
10:55:55.944	-15	0.00016	0	0.00225	4.335	0.000419	46
10:55:56.944	-15	0.00016	0	0.00245	4.261	0.000412	46
10:55:57.944	-15	0.00015	0	0.00241	4.062	0.000392	46
10:55:58.944	-15	0.00014	0	0.00233	3.9	0.000377	45.9
10:55:59.944	-15	0.00015	0	0.00238	3.794	0.000367	45.7
10:56:00.944	-15	0.00015	0	0.00264	3.859	0.000373	45.5
10:56:01.944	-14.2	0.00016	0	0.00289	4.292	0.000415	45.4
10:56:02.944	-14.8	0.00018	0	0.00292	4.889	0.000472	45.2
10:56:03.944	-14.2	0.00019	0	0.00265	5.464	0.000528	45.2
10:56:04.944	-14.8	0.0002	0	0.00231	5.813	0.000561	45.1
10:56:05.944	-15	0.0002	0	0.00233	5.887	0.000568	45.3
10:56:06.944	-15	0.00021	0	0.00292	6.046	0.000584	45.5
10:56:07.944	-15	0.00021	0	0.00325	6.156	0.000594	45.6
10:56:08.944	-15	0.00021	0	0.00304	6.295	0.000608	45.8
10:56:09.944	-15	0.00022	0	0.00309	6.654	0.000642	45.8
10:56:10.944	-15	0.00023	0	0.00307	7.138	0.000689	45.7
10:56:11.944	-15	0.00024	0	0.00289	7.265	0.000701	45.7
10:56:12.944	-15	0.00024	0	0.00299	7.356	0.00071	45.7
10:56:13.944	-15	0.00024	0	0.00337	7.356	0.00071	45.7
10:56:14.944	-15	0.00026	0	0.00363	7.929	0.000765	45.8
10:56:15.944	-15	0.00024	0	0.00308	7.14	0.000689	46.1
10:56:16.944	-15	0.0002	0	0.00213	5.407	0.000522	46.4
10:56:17.944	-15	0.00014	0	0.00142	3.741	0.000361	46.5
10:56:18.944	-15	0.00014	0	0.00183	3.713	0.000359	46.6
10:56:19.944	-15	0.00016	0	0.00224	4.137	0.0004	46.2
10:56:20.944	-15	0.00017	0	0.00293	4.713	0.000455	45.8
10:56:21.944	-15	0.00018	0	0.00297	4.951	0.000478	45.7
10:56:22.944	-15	0.00015	0	0.0024	4.182	0.000404	45.5
10:56:23.944	-15	0.00007	0	0.00113	1.948	0.000188	45.3
10:56:24.944	-15	0.00008	0	0.00102	1.801	0.000174	45
10:56:25.944	-15	0.00019	0	0.00051	2.854	0.000276	44
10:56:26.944	-15	0.00016	0	0.00029	1.154	0.000112	42.8
10:56:27.944	-15	0.00008	0	0.00054	0.258	0.000025	39.7
10:56:28.944	-15	0.00006	0	0.00078	0.157	0.000015	36
10:56:29.944	-15	0.00006	0	0.00077	0.125	0.000012	33.8
10:56:30.944	-15	0.00005	0	0.00059	0.119	0.000012	31.2
10:56:31.944	-15	0.00005	0	0.00058	0.116	0.000011	28.7
10:56:32.944	-15	0.00005	0	0.00058	0.118	0.000012	25.7
10:56:33.944	-15	0.00005	0	0.00054	0.111	0.000011	23.8
10:56:34.944	-15	0.00005	0	0.00054	0.11	0.000011	21.6
10:56:35.944	-15	0.00007	0	0.00082	0.151	0.000015	19.2
10:56:36.944	-15	0.00008	0	0.00105	0.161	0.000016	16.2
10:56:37.944	-15	0.00008	0	0.001	0.176	0.000017	13.8

3.20E+00	-5.500	4.100	0.000	3.207	-6.700		34.23345	1436	44.09	76.7	341.867432	398.633895
3.10E+00	-5.500	4.000	0.000	3.145	-4.000		29.83844	1442	44.198	74.6	340.87	396.735288
3.10E+00	-5.600	4.000	0.000	3.128	-5.000		29.82314	1445	44.71	72.8	338.566667	392.702825
3.10E+00	-5.600	4.000	0.000	3.129	-4.000		31.79102	1449	44.71	71.3	339.296347	388.339759
3.10E+00	-5.700	4.000	0.000	3.130	-4.400		31.83829	1443	44.71	70.6	338.439264	386.164244
3.10E+00	-5.700	4.000	0.000	3.132	-5.700	195.6	31.704	1444	44.634	71.1	337.707803	384.687425
3.10E+00	-5.700	4.000	0.000	3.134	-4.600	195.2	30.18389	1438	44.09	67.5	337.682645	382.790642
3.10E+00	-5.700	4.000	0.000	3.136	-6.300	194.8	28.60867	1433	44.09	65.1	342.189583	378.730979
3.20E+00	-5.800	4.100	0.000	3.199	-2.300	194.4	28.73424	1426	44.09	65.7	342.169034	375.599129
3.20E+00	-5.800	4.100	0.000	3.222	-4.600	194.1	29.06792	1421	43.816	71.6	345.311247	372.95415
3.20E+00	-5.800	4.100	0.000	3.220	-0.600	194	32.96467	1413	43.47	76.7	347.098559	373.890244
3.20E+00	-5.800	4.100	0.000	3.208	-3.500	194	36.04184	1413	43.47	77.9	350.051613	378.74685
3.20E+00	-5.800	4.100	0.000	3.198	-6.300	194	38.31354	1420	43.784	77.7	352.414286	383.905894
3.20E+00	-5.800	4.100	0.000	3.189	-3.400	194	39.12896	1427	44.09	78.3	356.189278	389.410993
3.20E+00	-5.800	4.100	0.000	3.189	-6.600	194	39.3266	1432	44.09	80	352.319075	393.931613
3.20E+00	-5.700	4.100	0.000	3.184	-5.800	194	40.781	1435	44.09	80.4	356.799622	399.093756
3.20E+00	-5.600	4.100	0.000	3.182	-7.200	194	41.05371	1437	44.09	80	361.279391	403.694559
3.20E+00	-5.600	4.100	0.000	3.180	-5.300	194	41.33103	1433	44.09	81.6	346.607969	407.1
3.20E+00	-5.500	4.100	0.000	3.177	-6.500	194	43.11145	1434	44.09	81.5	340.03	410.43159
3.20E+00	-5.500	4.100	0.000	3.171	-7.600		45.42857	1430	44.09	80.8	342.241366	415.71382
3.20E+00	-5.400	4.100	0.000	3.171	-4.600		46.847	1433	44.09	79.3	343.951346	419.688212
3.20E+00	-5.300	4.100	0.000	3.173	-8.600		47.40017	1437	44.09	78.5	344.843103	422.324575
3.20E+00	-5.200	4.100	0.000	3.175	-3.400		47.20677	1440	44.09	80.3	344.409016	424.129525
3.20E+00	-5.200	4.100	0.000	3.173	-8.200		50.80887	1449	44.71	81.6	347.125232	428.964082
3.20E+00	-5.100	4.100	0.000	3.177	-4.900	195.8	48.39892	1458	44.892	73.2	350.614137	429.221548
3.20E+00	-5.000	4.100	0.000	3.202	-7.000	195.8	38.24971	1460	44.908	74	344.967303	421.402503
3.10E+00	-5.000	4.000	0.000	3.145	-6.600	195.8	25.74169	1449	44.71	69.4	340.919487	412.110088
3.10E+00	-4.900	4.000	0.000	3.146	-5.700	195.8	26.85929	1435	44.09	69.9	354.856875	402.162637
3.10E+00	-5.000	4.000	0.000	3.141	-6.100	195.8	32.471	1426	44.09	76.8	363.397949	397.4
3.10E+00	-5.100	4.000	0.000	3.132	-6.900	195.8	36.14804	1423	44.09	77.3	363.260204	397.815842
3.10E+00	-5.100	4.000	0.000	3.124	-9.400	195.8	36.85817	1421	43.863	74.3	363.501227	398.712314
3.10E+00	-5.100	4.000	0.000	3.125	-5.400	195.8	29.42492	1411	43.47	64.2	362.789346	396.276931
3.10E+00	-5.200	4.000	0.000	3.135	-9.400	195.8	15.31354	1380	42.85	20	363.390751	385.362569
3.20E+00	-5.200	4.000	0.000	3.165	-5.400	195.8	12.40978	1351	41.876	2	355.644318	364.758235
3.20E+00	-5.200	4.000	0.000	3.249	-5.400		41.07481	1280	39.36	0	344.3881	340.862737
3.30E+00	-5.400	4.000	0.000	3.329	-6.100		37.98103	1144	35.324	0	331.263163	314.847059
3.40E+00	-5.600	4.000	0.000	3.368	-4.600		12.33251	1226	32.871	0	319.118209	295.25761
3.40E+00	-5.600	4.000	0.000	3.378	-5.000		11.341	1204	30.684	0	313.096307	286.128869
3.40E+00	-5.700	4.000	0.000	3.382	-3.000		10.2446	1086	27.668	3.4	311.000602	279.903393
3.40E+00	-5.600	4.000	0.000	3.382	-5.700	193.7	10.44435	1174	25.151	3.6	307.719615	274.783117
3.40E+00	-5.700	4.000	0.000	3.382	-2.900	193.3	10.00773	1138	22.93	1.2	303.875285	269.983219
3.40E+00	-5.700	4.000	0.000	3.382	-5.000	193	10.60173	1203	21.378	0.1	302.157971	265.622802
3.40E+00	-5.700	4.000	0.000	3.382	-4.700	192.6	9.73929	1076	18.844	2.3	298.968462	261.090972
3.40E+00	-5.700	4.000	0.000	3.382	-2.700	192.2	9.26177	1064	16.121	0.4	297.465951	257.254412
3.40E+00	-5.700	4.000	0.000	3.383	-5.400	192.2	11.50092	963	13.35	21.5	296.547778	253.733768
3.40E+00	-5.700	4.000	0.000	3.384	-3.000	192.2	15.99079	880	10.994	13.4	297.339474	249.943474
3.40E+00	-5.700	4.000	0.000	3.381	-3.800	192.2	14.64467	825	8.279	22.2	306.870256	246.291558

1.82369	0.03159	3.50329	6548.125
1.82385	0.03159	3.50559	6552.642
1.824	0.03159	3.50777	6556.936
1.82416	0.03159	3.51002	6561.31
1.82432	0.03159	3.51227	6565.645
1.82448	0.03159	3.51472	6569.906
1.82463	0.03159	3.51713	6573.968
1.82477	0.03159	3.51946	6577.868
1.82492	0.03159	3.52184	6581.662
1.82507	0.03159	3.52448	6585.521
1.82523	0.03159	3.52737	6589.813
1.82541	0.03159	3.53029	6594.702
1.8256	0.03159	3.53294	6600.166
1.8258	0.03159	3.53525	6605.979
1.826	0.03159	3.53758	6611.866
1.82621	0.03159	3.5405	6617.912
1.82642	0.03159	3.54375	6624.068
1.82663	0.03159	3.54679	6630.363
1.82685	0.03159	3.54988	6637.017
1.82708	0.03159	3.55295	6644.155
1.82732	0.03159	3.55584	6651.42
1.82756	0.03159	3.55883	6658.776
1.8278	0.03159	3.5622	6666.132
1.82806	0.03159	3.56583	6674.061
1.8283	0.03159	3.56891	6681.201
1.8285	0.03159	3.57104	6686.608
1.82864	0.03159	3.57246	6690.349
1.82878	0.03159	3.57429	6694.062
1.82894	0.03159	3.57653	6698.199
1.82911	0.03159	3.57946	6702.912
1.82929	0.03159	3.58243	6707.863
1.82944	0.03159	3.58483	6712.045
1.82951	0.03159	3.58596	6713.993
1.82959	0.03159	3.58698	6715.794
1.82978	0.03159	3.58749	6718.648
1.82994	0.03159	3.58778	6719.802
1.83002	0.03159	3.58832	6720.06
1.83008	0.03159	3.5891	6720.217
1.83014	0.03159	3.58987	6720.342
1.83019	0.03159	3.59046	6720.461
1.83024	0.03159	3.59104	6720.577
1.83029	0.03159	3.59162	6720.695
1.83034	0.03159	3.59216	6720.806
1.83039	0.03159	3.5927	6720.916
1.83046	0.03159	3.59352	6721.067
1.83054	0.03159	3.59457	6721.228
1.83062	0.03159	3.59557	6721.404

10:56:38.944	-15	0.00008	0	0.00111	0.237	0.000023	10.9
10:56:39.944	-15	0.00008	0	0.00124	0.318	0.000031	8.7
10:56:40.944	-15	0.00008	0	0.00144	0.415	0.00004	6.1
10:56:41.944	-15	0.00008	0	0.00165	0.595	0.000058	4.3
10:56:42.944	-15	0.00008	0	0.00181	0.782	0.000076	2.1
10:56:43.944	-15	0.00008	0	0.00137	0.977	0.000095	1.1
10:56:44.944	-15	0.00009	0	0.00176	1.171	0.000113	0
10:56:45.944	-15	0.00009	0	0.00176	1.22	0.000118	0
10:56:46.944	-15	0.00008	0	0.0016	1.25	0.000121	0
10:56:47.944	-15	0.00008	0	0.00139	1.235	0.00012	0
10:56:48.944	-15	0.00008	0	0.00127	1.251	0.000121	0
10:56:49.944	-15	0.00009	0	0.00143	1.404	0.000136	0
10:56:50.944	-15	0.00009	0	0.00145	1.404	0.000136	0
10:56:51.944	-15	0.00008	0	0.00143	1.292	0.000125	0.6
10:56:52.944	-15	0.00008	0	0.00135	1.299	0.000126	1.4
10:56:53.944	-15	0.00008	0	0.00125	1.343	0.00013	1.4
10:56:54.944	-15	0.00008	0	0.00128	1.332	0.000129	1.4
10:56:55.944	-15	0.00008	0	0.00142	1.304	0.000126	1.4
10:56:56.944	-15	0.00009	0	0.00169	1.39	0.000135	1.4
10:56:57.944	-15	0.0001	0	0.00196	1.468	0.000142	1.4
10:56:58.944	-15	0.00011	0	0.00219	1.659	0.000161	1.4
10:56:59.944	-15	0.00017	0	0.00329	2.812	0.000272	2.3
10:57:00.944	-15	0.00025	0	0.00508	5.125	0.000496	3.5
10:57:01.944	-15	0.00025	0	0.00468	5.631	0.000545	5.5
10:57:02.944	-15	0.00014	0	0.0023	3.214	0.000311	8.1
10:57:03.944	-15	0.00016	0	0.00192	3.315	0.000321	9.7
10:57:04.944	-15	0.00032	0	0.0042	6.798	0.000657	11.6
10:57:05.944	-14.2	0.00051	0	0.0079	12.774	0.001235	12.8
10:57:06.944	-14	0.0007	0	0.0071	18.454	0.001782	14.2
10:57:07.944	-14	0.0028	0	0.00619	18.909	0.001826	17.5
10:57:08.944	-14	0.00424	0	0.00802	17.311	0.001672	21.5
10:57:09.944	-14.8	0.00453	0	0.00788	15.861	0.001532	25.6
10:57:10.944	-15	0.00464	0	0.00738	15.977	0.001543	30.6
10:57:11.944	-14.2	0.005	0	0.00732	17.148	0.001656	33.5
10:57:12.944	-14	0.00457	0	0.00685	15.664	0.001513	37.1
10:57:13.944	-14	0.00337	0	0.00487	12.156	0.001174	39.5
10:57:14.944	-14	0.00184	0	0.00425	8.22	0.000794	42.6
10:57:15.944	-14.8	0.0007	0	0.00266	4.318	0.000417	44.1
10:57:16.944	-14.2	0.00039	0	0.00261	3.758	0.000363	46
10:57:17.944	-14	0.00021	0	0.00256	3.552	0.000344	46.2
10:57:18.944	-14	0.00016	0	0.00235	3.635	0.000351	46.5
10:57:19.944	-14	0.00016	0	0.00215	3.676	0.000355	46.5
10:57:20.944	-14	0.00016	0	0.0021	3.599	0.000348	46.4
10:57:21.944	-14	0.00015	0	0.00222	3.519	0.00034	46.4
10:57:22.944	-14	0.00015	0	0.00229	3.476	0.000336	46.4
10:57:23.944	-14	0.00014	0	0.00208	3.26	0.000315	46.5
10:57:24.944	-14	0.00012	0	0.00166	2.859	0.000276	46.6

3.40E+00	-5.700	4.000	0.000	3.373	0.400	192.2	15.35227	801	6.131	31.1	317.005329	245.993485
3.40E+00	-5.700	4.000	0.000	3.363	-2.300	192.2	15.59455	809	3.623	33.4	318.095747	247.702021
3.40E+00	-5.700	4.000	0.000	3.351	-2.600	192.2	15.72144	796	1.86	39.4	316.615152	250.947001
3.30E+00	-5.700	4.000	0.000	3.326	-2.400	192.2	15.71629	788	0.62	38.4	315.57783	254.993255
3.30E+00	-5.700	4.000	0.000	3.302	-5.300	192.2	15.63602	782	0.542	37.9	317.273006	257.805155
3.30E+00	-5.700	4.000	0.000	3.281	-0.600	192.2	15.89057	796	0	38.2	323.199652	259.941304
3.30E+00	-5.700	4.000	0.000	3.266	-4.500	192.2	18.33222	914	0	42.8	329.658333	263.32663
3.30E+00	-5.600	4.000	0.000	3.257	-0.600	192.2	15.67166	844	0	40.4	332.050612	264.543234
3.30E+00	-5.600	4.000	0.000	3.251	-4.500	192.2	16.74144	870	0	42	334.220408	265.836329
3.20E+00	-5.600	4.000	0.000	3.245	-2.200	192.2	15.14669	792	0	39.4	332.419182	266.623404
3.20E+00	-5.600	4.000	0.000	3.242	-2.800	192.2	15.028	769	0	38	326.7708	266.018341
3.20E+00	-5.600	4.000	0.000	3.241	-2.000	192.2	16.16364	872	0	39.6	328.582825	265.325568
3.20E+00	-5.600	4.000	0.000	3.244	-2.400	192.2	17.78603	967	1.07	38.4	330.204742	267.190088
3.20E+00	-5.700	4.000	0.000	3.244	-3.600	192.2	15.62029	854	1.24	36.7	331.680798	267.935385
3.20E+00	-5.700	4.000	0.000	3.236	-1.800	192.2	15.03535	779	1.24	39.2	322.909512	266.689348
3.20E+00	-5.700	4.000	0.000	3.227	-5.000	192.2	15.19315	775	1.24	39.5	315.754476	265.928478
3.30E+00	-5.700	4.100	0.000	3.312	-1.200	192.2	15.3834	775	1.24	39.6	313.033878	265.180938
3.30E+00	-5.700	4.100	0.000	3.318	-3.100	192.2	15.37017	777	0.62	39.6	314.456211	264.511002
3.30E+00	-5.700	4.100	0.000	3.323	-3.300	192.2	16.21018	809	0.686	48.4	315.120528	264.174823
3.30E+00	-5.700	4.100	0.000	3.326	-2.700	192.2	19.05189	924	1.86	43.7	315.285513	265.396923
3.30E+00	-5.700	4.100	0.000	3.324	-3.800	192.2	19.90468	978	2.518	39.6	314.46375	266.391819
3.30E+00	-5.600	4.100	0.000	3.309	-1.200	192.2	30.53879	1324	3.928	66.1	314.729961	272.269417
3.30E+00	-5.600	4.200	0.000	3.346	-4.800	192.2	45.40632	1651	6.429	74.9	321.83012	288.542483
3.30E+00	-5.600	4.200	0.000	3.323	-4.200	192.2	49.96415	1911	8.746	66.6	327	305.712734
3.30E+00	-5.500	4.200	0.000	3.325	-6.200	192.2	29.73074	1431	10.216	48.6	324.039641	305.957704
3.30E+00	-5.500	4.200	0.000	3.339	-3.300	192.2	19.16377	1334	10.879	59.1	319.979849	300.227451
3.30E+00	-5.400	4.200	0.000	3.339	-4.600		69.01902	1850	12.506	81	318.152413	313.728317
3.30E+00	-5.300	4.200	0.000	3.304	-3.800		87.58184	2065	15.887	64.6	337.786774	347.558065
3.30E+00	-0.100	4.200	0.000	3.292	-1.900		136.08016	2441	19.992	76.2	348.287702	378.407438
1.29E+01	12.300	4.200	9.626	3.290	-9.000		139.77	2546	24.306	77.8	368.299435	415.356741
2.16E+01	23.400	4.200	18.306	3.286	-4.200		126.17953	2359	28.85	79.2	375.672178	437.050592
2.58E+01	28.900	4.200	22.524	3.276	-8.200	190.7	122.8373	2148	32.471	71.2	364.086014	448.214634
2.66E+01	30.000	4.200	23.374	3.270	-5.700	191.1	108.88491	2014	35.64	81.7	343.409434	455.109924
2.68E+01	30.000	4.300	23.401	3.351	-7.100	191.5	117.39723	2176	38.249	79.6	331.548205	461.690847
2.59E+01	28.800	4.300	22.529	3.363	-8.500	192	117.52552	2275	40.866	75.8	328.189623	463.330588
2.37E+01	25.900	4.300	20.303	3.374	-5.400	192.3	95.18417	2056	42.944	72.7	314.172832	460.398462
1.84E+01	19.100	4.300	15.005	3.386	-8.400	192.7	68.65229	1944	44.447	68.4	313.452207	448.614114
1.28E+01	11.900	4.300	9.363	3.393	-3.400	193.1	29.58031	1674	45.087	65.1	318.555773	432.477941
7.90E+00	5.700	4.300	4.489	3.402	-6.500	193.5	28.12496	1455	44.71	64.4	316.572634	417.56997
4.50E+00	1.400	4.300	1.120	3.403	-0.800	193.8	28.86232	1456	45.224	63.7	322.706633	405.570435
3.40E+00	-0.700	4.300	0.000	3.398	-3.300	194	29.28654	1457	44.71	62.9	323.77	395.7588
3.40E+00	-2.100	4.300	0.000	3.397	-1.600	194	30.21918	1459	44.71	61.5	326.045499	387.537403
3.40E+00	-3.000	4.300	0.000	3.399	-2.400	194	29.50635	1458	44.71	60.7	322.883468	381.552546
3.40E+00	-3.300	4.300	0.000	3.401	-4.100	194	29.18631	1459	45.311	61.5	322.548745	376.178947
3.40E+00	-3.500	4.300	0.000	3.400	-1.600	194	28.79769	1461	45.33	62.6	327.402249	372.620374
3.40E+00	-3.700	4.300	0.000	3.398	-3.700	194	27.62886	1463	45.33	53.6	325.604688	368.17256
3.40E+00	-3.900	4.300	0.000	3.398	-0.600	194	23.65092	1461	45.132	45.8	331.703846	359.418954

1.8307	0.03159	3.59668	6721.641
1.83078	0.03159	3.59792	6721.959
1.83086	0.03159	3.59936	6722.374
1.83094	0.03159	3.60101	6722.969
1.83102	0.03159	3.60282	6723.751
1.8311	0.03159	3.60419	6724.728
1.83119	0.03159	3.60595	6725.899
1.83128	0.03159	3.60771	6727.119
1.83136	0.03159	3.60931	6728.369
1.83144	0.03159	3.6107	6729.604
1.83152	0.03159	3.61197	6730.855
1.83161	0.03159	3.6134	6732.259
1.8317	0.03159	3.61485	6733.663
1.83178	0.03159	3.61628	6734.955
1.83186	0.03159	3.61763	6736.254
1.83194	0.03159	3.61888	6737.597
1.83202	0.03159	3.62016	6738.929
1.8321	0.03159	3.62158	6740.233
1.83219	0.03159	3.62327	6741.623
1.83229	0.03159	3.62523	6743.091
1.8324	0.03159	3.62742	6744.75
1.83257	0.03159	3.63071	6747.562
1.83282	0.03159	3.63579	6752.687
1.83307	0.03159	3.64047	6758.318
1.83321	0.03159	3.64277	6761.532
1.83337	0.03159	3.64469	6764.847
1.83369	0.03159	3.64889	6771.645
1.8342	0.03159	3.65679	6784.419
1.8349	0.03159	3.66389	6802.873
1.8377	0.03159	3.67008	6821.782
1.84194	0.03159	3.6781	6839.093
1.84647	0.03159	3.68598	6854.954
1.85111	0.03159	3.69336	6870.931
1.85611	0.03159	3.70068	6888.079
1.86068	0.03159	3.70753	6903.743
1.86405	0.03159	3.7124	6915.899
1.86589	0.03159	3.71665	6924.119
1.86659	0.03159	3.71931	6928.437
1.86698	0.03159	3.72192	6932.195
1.86719	0.03159	3.72448	6935.747
1.86735	0.03159	3.72683	6939.382
1.86751	0.03159	3.72898	6943.058
1.86767	0.03159	3.73108	6946.657
1.86782	0.03159	3.7333	6950.176
1.86797	0.03159	3.73559	6953.652
1.86811	0.03159	3.73767	6956.912
1.86823	0.03159	3.73933	6959.771

10:57:25.944	-14	0.0001	0	0.0013	2.119	0.000205	46.6
10:57:26.944	-14	0.00012	0	0.00113	2.29	0.000221	46.5
10:57:27.944	-14	0.00013	0	0.00099	2.126	0.000206	46.3
10:57:28.944	-14	0.00013	0	0.00152	1.607	0.000156	46.1
10:57:29.944	-14	0.00013	0	0.00238	1.731	0.000168	46
10:57:30.944	-14	0.00013	0	0.00232	2.27	0.00022	45.8
10:57:31.944	-14	0.00014	0	0.00241	2.73	0.000264	45.7
10:57:32.944	-14	0.00014	0	0.00221	2.915	0.000282	45.5
10:57:33.944	-14	0.00014	0	0.00201	2.996	0.00029	45.4
10:57:34.944	-14	0.00013	0	0.00188	2.954	0.000286	45.2
10:57:35.944	-14	0.00014	0	0.0019	3.056	0.000295	45
10:57:36.944	-14	0.00015	0	0.00203	3.377	0.000326	44.8
10:57:37.944	-14	0.00015	0	0.00186	3.476	0.000336	44.5
10:57:38.944	-14	0.00015	0.00002	0.00179	3.355	0.000324	44.2
10:57:39.944	-14	0.00014	0	0.00183	3.091	0.000299	43.9
10:57:40.944	-14	0.00013	0	0.00178	2.803	0.000271	43.6
10:57:41.944	-14	0.00012	0	0.00165	2.605	0.000252	43.3
10:57:42.944	-14	0.00011	0	0.00161	2.595	0.000251	42.9
10:57:43.944	-14	0.00012	0	0.00162	2.648	0.000256	42.5
10:57:44.944	-14	0.00012	0	0.00147	2.575	0.000249	42.1
10:57:45.944	-14	0.00011	0.00002	0.00128	2.327	0.000225	41.6
10:57:46.944	-14	0.00011	0	0.00132	2.094	0.000203	41
10:57:47.944	-14	0.00011	0.00001	0.00161	1.994	0.000193	40.8
10:57:48.944	-14.8	0.00011	0	0.00178	2.008	0.000194	40.6
10:57:49.944	-15	0.00011	0	0.0018	2.201	0.000213	40.3
10:57:50.944	-14.2	0.0001	0	0.00124	2.181	0.000211	39.9
10:57:51.944	-14	0.00007	0	0.00066	1.504	0.000145	39.8
10:57:52.944	-14.8	0.00006	0.00001	0.00053	1.304	0.000126	39.7
10:57:53.944	-14.2	0.00006	0	0.0005	1.106	0.000107	39
10:57:54.944	-14.8	0.00005	0.00001	0.00047	0.805	0.000078	38.1
10:57:55.944	-15	0.00005	0	0.00046	0.56	0.000054	37.4
10:57:56.944	-15	0.00005	0	0.00068	0.397	0.000039	36.6
10:57:57.944	-15	0.00005	0	0.00052	0.272	0.000026	33.8
10:57:58.944	-15	0.00005	0	0.00047	0.203	0.00002	30.5
10:57:59.944	-15	0.00005	0	0.00065	0.18	0.000017	30
10:58:00.944	-15	0.00005	0	0.00064	0.154	0.000015	29.3
10:58:01.944	-15	0.00005	0	0.00067	0.131	0.000013	26
10:58:02.944	-15	0.00007	0	0.00094	0.167	0.000016	22
10:58:03.944	-15	0.00009	0	0.00126	0.205	0.00002	17.9
10:58:04.944	-15	0.00009	0	0.0012	0.207	0.00002	12.8
10:58:05.944	-15	0.00008	0	0.00125	0.312	0.00003	9.7
10:58:06.944	-15	0.00008	0	0.00152	0.439	0.000043	5.9
10:58:07.944	-15	0.00009	0	0.00204	0.686	0.000067	4.4
10:58:08.944	-15	0.00012	0	0.00278	1.285	0.000125	2.6
10:58:09.944	-15	0.00018	0	0.00452	2.645	0.000256	3.7
10:58:10.944	-15	0.00023	0	0.00582	4.565	0.000442	5.1
10:58:11.944	-15	0.00022	0	0.00482	4.864	0.000471	7.1

3.40E+00	-3.900	4.300	0.000	3.412	-5.000	194	28.08153	1453	44.71	12.5	329.168675	347.327528
3.40E+00	-4.000	4.300	0.000	3.438	-4.500	194	14.78882	1443	44.71	31.1	319.808439	332.26875
3.40E+00	-4.200	4.200	0.000	3.396	-2.800	194	25.69624	1436	44.09	34.6	315.677901	320.988354
3.40E+00	-4.300	4.200	0.000	3.439	-0.800	193.6	24.90648	1434	44.09	43.7	310.905792	314.519539
3.40E+00	-4.300	4.200	0.000	3.428	0.000	193.2	24.80854	1429	44.09	49.1	309.896805	313.729967
3.30E+00	-4.300	4.100	0.000	3.310	-1.400	192.9	25.48724	1428	44.09	50.7	310.112292	314.510419
3.30E+00	-4.300	4.100	0.000	3.283	-0.400	192.5	26.78477	1426	44.09	52.1	310.02975	316.320556
3.30E+00	-4.400	4.100	0.000	3.267	-1.100	192.2	26.35283	1422	43.835	51.6	309.656757	317.639956
3.30E+00	-4.400	4.100	0.000	3.261	0.000	192.2	26.46079	1416	43.47	51.7	308.253061	317.8
3.30E+00	-4.400	4.100	0.000	3.261	-0.400	192.2	25.78992	1408	43.47	53.7	309.203704	318.990272
3.30E+00	-4.500	4.100	0.000	3.256	-0.900	192.2	26.00395	1399	42.85	57.3	310.034531	319.798182
3.30E+00	-4.500	4.100	0.000	3.250	-0.300	192.2	27.19848	1389	42.85	57.2	310.334653	320.537447
3.20E+00	-4.500	4.100	0.000	3.248	-2.500		28.02425	1383	42.85	55.3	310.542727	320.6
3.30E+00	-4.600	4.100	0.000	3.251	1.500		27.63542	1372	42.23	54.8	310.710417	320.6
3.30E+00	-4.600	4.100	0.000	3.256	-1.800		26.63946	1361	41.897	54.6	311.417341	320.6
3.30E+00	-4.600	4.100	0.000	3.260	0.000		25.48461	1348	41.61	54.2	311.953265	320.6
3.30E+00	-4.600	4.100	0.000	3.260	-3.200		22.69672	1332	40.99	53	312.014906	319.386759
3.30E+00	-4.600	4.100	0.000	3.255	-1.600	192.2	22.89021	1319	40.664	45.8	312.084971	318.60579
3.30E+00	-4.700	4.100	0.000	3.251	-0.200	192.2	22.27677	1309	40.37	41	313.565193	313.653981
3.30E+00	-4.700	4.100	0.000	3.258	-1.500	192.2	22.56922	1295	39.74	39.8	311.97406	308.124561
3.30E+00	-4.700	4.100	0.000	3.275	2.300	192.2	21.84887	1283	39.541	39.3	309.144987	302.88678
3.30E+00	-4.700	4.100	0.000	3.291	-0.700	192.2	21.45763	1271	39.12	38	307.536471	298.391326
3.30E+00	-4.700	4.100	0.000	3.301	1.200	192.2	21.23258	1262	38.885	46	306.4275	295.5
3.30E+00	-4.700	4.100	0.000	3.299	-0.400	192.2	21.84153	1255	38.5	50.7	307.049592	295.656471
3.30E+00	-4.600	4.100	0.000	3.283	0.200	192.2	22.30492	1248	38.5	49.9	307.726358	296.1
3.30E+00	-4.600	4.100	0.000	3.271	0.100	192.2	23.93125	1237	38.283	24.6	307.569874	293.911123
3.30E+00	-4.600	4.100	0.000	3.265	-0.700	192.2	10.97685	1219	37.561	3	302.134238	284.998531
3.30E+00	-4.600	4.100	0.000	3.263	1.500	191.8	10.72617	1197	36.955	0	297.83	275.305217
3.30E+00	-4.500	4.100	0.000	3.284	0.000	191.4	10.27758	1176	36.153	0	298.921731	267.025217
3.30E+00	-4.400	4.100	0.000	3.327	1.600	191	10.07348	1155	35.4	0.1	304.795908	259.757143
3.40E+00	-4.400	4.100	0.000	3.373	-2.900	190.6	9.61071	1114	33.144	0.6	310.467458	253.412088
3.40E+00	-4.400	4.100	0.000	3.408	-1.800	190.4	10.361	1198	30.531	0	305.465331	246.9311
3.40E+00	-4.500	4.100	0.000	3.432	-4.800	190.4	9.74	1140	28.696	0	306.332	242.62488
3.40E+00	-4.500	4.100	0.000	3.446	-5.000	190.4	9.61368	1108	28.099	1.3	306.7464	237.64985
3.50E+00	-4.500	4.100	0.000	3.452	-3.500	190.4	9.97059	1196	25.713	1.5	305.2177	233.686492
3.50E+00	-4.500	4.100	0.000	3.457	-6.300	190.4	9.61671	1074	21.644	0	305.74	230.574251
3.50E+00	-4.500	4.100	0.000	3.460	-4.000	190.4	9.0301	1002	17.333	4.9	306.351224	226.727552
3.50E+00	-4.500	4.100	0.000	3.462	-6.600	190.4	9.67228	923	13.189	13.5	305.992124	224.817944
3.50E+00	-4.500	4.100	0.000	3.464	-3.000	190.4	17.49656	863	9.544	16.3	300.8615	222.829968
3.50E+00	-4.500	4.100	0.000	3.463	-4.900	190.4	15.07167	790	6.431	28.8	273.530385	220.50663
3.40E+00	-4.500	4.100	0.000	3.448	-2.800	190.4	15.91058	787	3.078	33	271.469327	222.325
3.40E+00	-4.500	4.100	0.000	3.432	-2.600	190.4	16.11328	799	2.48	37.5	281.361154	225.720333
3.40E+00	-4.500	4.100	0.000	3.406	-6.500	190.4	16.64361	792	2.479	36.9	291.662692	229.64386
3.40E+00	-4.400	4.100	0.000	3.374	-2.800	190.4	22.94464	1117	4.038	55.5	301.169583	236.295502
3.30E+00	-4.400	4.100	0.000	3.333	-5.000	190.4	32.26955	1431	6.116	65	310.849615	247.219544
3.30E+00	-4.400	4.100	0.000	3.281	-3.000	190.4	47.69255	1817	8.221	59.4	316.08534	268.373778
3.30E+00	-4.200	4.100	0.000	3.259	-1.800	190.4	38.1696	1554	10.349	62.4	312.026974	280.257825

1.86833	0.03159	3.74063	6961.89
1.86845	0.03159	3.74176	6964.18
1.86858	0.03159	3.74275	6966.306
1.86871	0.03159	3.74427	6967.913
1.86884	0.03159	3.74665	6969.644
1.86897	0.03159	3.74897	6971.914
1.86911	0.03159	3.75138	6974.644
1.86925	0.03159	3.75359	6977.559
1.86939	0.03159	3.7556	6980.555
1.86952	0.03159	3.75748	6983.509
1.86966	0.03159	3.75938	6986.565
1.86981	0.03159	3.76141	6989.942
1.86996	0.03159	3.76327	6993.418
1.87011	0.03161	3.76506	6996.773
1.87025	0.03161	3.76689	6999.864
1.87038	0.03161	3.76867	7002.667
1.8705	0.03161	3.77032	7005.272
1.87061	0.03161	3.77193	7007.867
1.87073	0.03161	3.77355	7010.515
1.87085	0.03161	3.77502	7013.09
1.87096	0.03163	3.7763	7015.417
1.87107	0.03163	3.77762	7017.511
1.87118	0.03164	3.77923	7019.505
1.87129	0.03164	3.78101	7021.513
1.8714	0.03164	3.78281	7023.714
1.8715	0.03164	3.78405	7025.895
1.87157	0.03164	3.78471	7027.399
1.87163	0.03165	3.78524	7028.703
1.87169	0.03165	3.78574	7029.809
1.87174	0.03166	3.78621	7030.614
1.87179	0.03166	3.78667	7031.174
1.87184	0.03166	3.78735	7031.571
1.87189	0.03166	3.78787	7031.843
1.87194	0.03166	3.78834	7032.046
1.87199	0.03166	3.78899	7032.226
1.87204	0.03166	3.78963	7032.38
1.87209	0.03166	3.7903	7032.511
1.87216	0.03166	3.79124	7032.678
1.87225	0.03166	3.7925	7032.883
1.87234	0.03166	3.7937	7033.09
1.87242	0.03166	3.79495	7033.402
1.8725	0.03166	3.79647	7033.841
1.87259	0.03166	3.79851	7034.527
1.87271	0.03166	3.80129	7035.812
1.87289	0.03166	3.80581	7038.457
1.87312	0.03166	3.81163	7043.022
1.87334	0.03166	3.81645	7047.886

10:58:12.944	-15	0.00029	0	0.00497	6.81	0.000658	9.6
10:58:13.944	-15	0.00035	0	0.00504	8.985	0.000868	11.3
10:58:14.944	-15	0.00036	0	0.00547	9.505	0.000918	13.5
10:58:15.944	-15	0.00037	0	0.00546	10.053	0.000971	15.1
10:58:16.944	-15	0.00039	0	0.00516	10.886	0.001051	17.1
10:58:17.944	-15	0.0004	0	0.00492	11.18	0.00108	18.9
10:58:18.944	-15	0.00041	0	0.0051	11.18	0.00108	21.1
10:58:19.944	-15	0.00037	0	0.00518	10.089	0.000975	22.7
10:58:20.944	-15	0.0003	0	0.00428	8.161	0.000788	24.6
10:58:21.944	-15	0.00026	0	0.00403	7.252	0.000701	26
10:58:22.944	-15	0.00029	0	0.00504	8.494	0.00082	27.8
10:58:23.944	-15	0.00031	0	0.00595	9.299	0.000898	29
10:58:24.944	-15	0.0003	0	0.00525	8.646	0.000835	30.4
10:58:25.944	-15	0.00025	0	0.0037	7.068	0.000683	31.6
10:58:26.944	-15	0.00023	0	0.0033	6.389	0.000617	33.1
10:58:27.944	-15	0.00021	0	0.00285	6.016	0.000581	33.9
10:58:28.944	-15	0.0002	0	0.00256	5.645	0.000545	34.8
10:58:29.944	-15	0.0002	0	0.00262	5.492	0.00053	35.4
10:58:30.944	-15	0.00019	0	0.00276	5.257	0.000508	36.2
10:58:31.944	-15	0.00017	0	0.0022	4.672	0.000451	36.6
10:58:32.944	-15	0.00015	0	0.00201	4.343	0.00042	37.1
10:58:33.944	-15	0.00015	0	0.00198	4.298	0.000415	37.6
10:58:34.944	-15	0.00015	0	0.002	4.398	0.000425	38.2
10:58:35.944	-15	0.00015	0	0.00199	4.386	0.000424	38.2
10:58:36.944	-14.2	0.00015	0	0.002	4.413	0.000426	38.3
10:58:37.944	-14.8	0.00014	0	0.00191	4.172	0.000403	38.6
10:58:38.944	-15	0.00014	0	0.00185	3.993	0.000386	39
10:58:39.944	-15	0.00013	0	0.00195	3.834	0.00037	39
10:58:40.944	-15	0.00013	0	0.00207	3.832	0.00037	38.9
10:58:41.944	-15	0.00013	0	0.00201	3.853	0.000372	39
10:58:42.944	-15	0.00013	0	0.00183	3.781	0.000365	39.2
10:58:43.944	-15	0.00014	0	0.00208	3.787	0.000366	39.3
10:58:44.944	-15	0.00014	0	0.00234	3.802	0.000367	39.5
10:58:45.944	-15	0.00014	0	0.00225	3.758	0.000363	39.5
10:58:46.944	-15	0.00013	0	0.00208	3.633	0.000351	39.6
10:58:47.944	-15	0.00013	0	0.00208	3.528	0.000341	39.6
10:58:48.944	-15	0.00012	0	0.00216	3.303	0.000319	39.7
10:58:49.944	-15	0.00012	0	0.00213	3.172	0.000307	39.6
10:58:50.944	-15	0.00013	0	0.00233	3.159	0.000305	39.5
10:58:51.944	-15	0.00012	0	0.00235	3.092	0.000299	39.5
10:58:52.944	-15	0.00011	0	0.00195	2.656	0.000257	39.4
10:58:53.944	-15	0.0001	0	0.00181	2.448	0.000237	39.2
10:58:54.944	-15	0.00011	0	0.00199	2.102	0.000204	39
10:58:55.944	-15	0.00011	0	0.00115	1.529	0.000148	38.2
10:58:56.944	-15	0.00011	0.00001	0.00123	1.186	0.000115	37.3
10:58:57.944	-15	0.00011	0	0.0021	1.262	0.000122	37.3
10:58:58.944	-15	0.00011	0	0.00258	1.782	0.000173	37.2

3.20E+00	-4.000	4.100	0.000	3.240	-0.400	190.4	54.17788	1818	11.799	75.8	313.493257	296.070664
3.20E+00	-4.000	4.100	0.000	3.222	-5.000	190.4	68.396	2006	14.061	79.8	318.292692	322.254447
3.20E+00	-3.900	4.100	0.000	3.211	-7.400	190.4	70.14837	1889	15.853	76.3	328.299327	344.55061
3.20E+00	-3.800	4.100	0.000	3.206	-4.700	190.7	71.63329	2004	17.861	78	332.2	363.621715
3.20E+00	-3.700	4.100	0.000	3.197	-8.300	191.1	75.74945	2053	19.592	78.8	338.645287	379.95534
3.20E+00	-3.500	4.100	0.000	3.200	-4.600	191.5	78.78948	2094	21.602	76.9	343.401118	391.246381
3.20E+00	-3.300	4.100	0.000	3.207	-9.000	191.9	79.57069	2133	22.95	76	337.451827	398.266337
3.20E+00	-3.000	4.100	0.000	3.209	-5.700		76.08255	1977	25.366	75	338.624528	403.77456
3.20E+00	-2.900	4.000	0.000	3.154	-7.100		62.94973	1772	26.652	68.3	339.467596	404.915269
3.10E+00	-2.900	4.000	0.000	3.130	-7.400		52.00102	1585	27.889	80.4	338.584942	405.14878
3.10E+00	-2.900	4.000	0.000	3.112	-6.700		56.58877	1650	29.137	80.6	340.048646	408.520308
3.10E+00	-2.900	4.000	0.000	3.107	-9.200		61.69778	1722	30.382	75.8	337.918998	412.250591
3.10E+00	-3.000	4.000	0.000	3.117	-4.300	192.2	59.82212	1788	31.598	78.3	340.46276	413.374232
3.10E+00	-3.000	4.000	0.000	3.126	-7.600	192.6	51.5477	1811	32.813	74.1	337.670233	409.678525
3.10E+00	-3.100	4.000	0.000	3.128	-5.200	193	45.65052	1599	33.53	77.7	321.081296	406.612917
3.10E+00	-3.300	4.000	0.000	3.125	-8.000	193.4	43.36966	1636	34.16	74.6	309.404497	403.617249
3.10E+00	-3.400	4.000	0.000	3.129	-6.400	193.8	40.19707	1658	34.78	75.1	315.326649	398.217153
3.10E+00	-3.500	3.900	0.000	3.055	-6.400	194	40.05878	1688	35.399	74.8	319.599592	393.9613
3.10E+00	-3.700	3.900	0.000	3.056	-7.000	194	39.89607	1705	36.02	71.1	317.763103	390.805299
3.10E+00	-3.800	3.900	0.000	3.057	-3.600	194	33.62186	1431	36.02	72	314.964017	386.970656
3.00E+00	-3.900	3.800	0.000	2.978	-7.800	194	31.11776	1436	36.64	74.4	322.060358	383.063705
3.00E+00	-3.900	3.800	0.000	2.977	-7.500	194	31.44485	1445	36.64	73.1	323.489562	379.781381
3.00E+00	-4.200	3.800	0.000	2.973	-10.200	194	32.39806	1454	36.805	72	325.983865	377.355
3.00E+00	-4.300	3.800	0.000	2.973	-6.700	194	32.41	1465	37.26	72.4	333.813542	375.113602
3.00E+00	-4.300	3.800	0.000	2.976	-7.500	194	32.46456	1474	37.26	72.9	333.938875	373.712826
2.90E+00	-4.300	3.700	0.000	2.920	-8.400	194	29.96132	1482	37.76	65.7	325.441996	371.297747
2.90E+00	-4.300	3.700	0.000	2.900	-4.200	194	30.07076	1489	37.88	67	325.517375	367.772072
2.90E+00	-4.300	3.700	0.000	2.904	-7.300	194	29.14168	1496	37.88	65.6	323.302552	364.960672
2.90E+00	-4.300	3.700	0.000	2.904	-2.500	194	29.6841	1499	37.88	65.7	318.51763	362.622222
2.90E+00	-4.300	3.700	0.000	2.904	-6.000	194	29.6724	1496	37.88	62	316.82375	359.742797
2.90E+00	-4.300	3.700	0.000	2.907	-4.000	194	29.25759	1499	37.88	62.3	308.220769	356.871778
2.90E+00	-4.300	3.700	0.000	2.911	-4.400	194	29.32253	1506	38.13	60.1	303.32659	353.748043
2.90E+00	-4.300	3.700	0.000	2.913	-4.400	194	30.23876	1508	38.5	59.6	304.698456	351.834166
2.90E+00	-4.300	3.700	0.000	2.915	-4.500	194	29.98912	1508	38.5	60.7	305.153167	349.637063
2.90E+00	-4.300	3.700	0.000	2.917	-6.000	194	29.71571	1512	38.5	59.4	301.390633	348.482025
2.90E+00	-4.300	3.700	0.000	2.917	-1.600	194	28.91326	1509	38.5	53.9	307.450789	346.204894
2.90E+00	-4.300	3.700	0.000	2.920	-6.800	193.8	26.11571	1501	37.88	53.5	311.941895	342.119828
2.90E+00	-4.300	3.700	0.000	2.926	-1.900	193.4	26.41246	1496	37.88	53.8	312.455711	338.412364
3.00E+00	-4.200	3.800	0.000	3.009	-2.900	193	26.44975	1494	37.88	53.5	311.828138	335.530448
3.00E+00	-4.200	3.800	0.000	3.009	-1.500	192.7	26.91556	1493	37.88	47.4	311.9356	332.321978
3.00E+00	-4.100	3.800	0.000	3.010	-1.100	192.3	23.06678	1484	37.764	29.6	310.985861	326.556189
3.00E+00	-4.000	3.800	0.000	3.020	-1.200		21.10802	1462	37.169	13.8	307.204593	313.763809
3.10E+00	-4.000	3.800	0.000	3.056	0.000		22.69087	1435	36.547	10.9	302.532952	298.00315
3.10E+00	-4.000	3.800	0.000	3.105	0.000		22.15308	1423	36.02	27.9	299.03843	285.218469
3.10E+00	-4.000	3.800	0.000	3.136	0.600		23.60249	1405	35.4	43.4	297.924793	282.254283
3.00E+00	-4.100	3.700	0.000	3.046	-3.700		23.62329	1399	35.4	41.1	299.173486	284.787685
3.00E+00	-4.100	3.700	0.000	3.001	-1.900	192.2	22.45375	1388	35.327	36.7	299.104848	281.918972

1.87363	0.03166	3.82142	7054.696
1.87398	0.03166	3.82646	7063.681
1.87434	0.03166	3.83193	7073.186
1.87471	0.03166	3.83739	7083.239
1.8751	0.03166	3.84255	7094.125
1.8755	0.03166	3.84747	7105.305
1.87591	0.03166	3.85257	7116.485
1.87628	0.03166	3.85775	7126.574
1.87658	0.03166	3.86203	7134.735
1.87684	0.03166	3.86606	7141.987
1.87713	0.03166	3.8711	7150.481
1.87744	0.03166	3.87705	7159.78
1.87774	0.03166	3.8823	7168.426
1.87799	0.03166	3.886	7175.494
1.87822	0.03166	3.8893	7181.883
1.87843	0.03166	3.89215	7187.899
1.87863	0.03166	3.89471	7193.544
1.87883	0.03166	3.89733	7199.036
1.87902	0.03166	3.90009	7204.293
1.87919	0.03166	3.90229	7208.965
1.87934	0.03166	3.9043	7213.308
1.87949	0.03166	3.90628	7217.606
1.87964	0.03166	3.90828	7222.004
1.87979	0.03166	3.91027	7226.39
1.87994	0.03166	3.91227	7230.803
1.88008	0.03166	3.91418	7234.975
1.88022	0.03166	3.91603	7238.968
1.88035	0.03166	3.91798	7242.802
1.88048	0.03166	3.92005	7246.634
1.88061	0.03166	3.92206	7250.487
1.88074	0.03166	3.92389	7254.268
1.88088	0.03166	3.92597	7258.055
1.88102	0.03166	3.92831	7261.857
1.88116	0.03166	3.93056	7265.615
1.88129	0.03166	3.93264	7269.248
1.88142	0.03166	3.93472	7272.776
1.88154	0.03166	3.93688	7276.079
1.88166	0.03166	3.93901	7279.251
1.88179	0.03166	3.94134	7282.41
1.88191	0.03166	3.94369	7285.502
1.88202	0.03166	3.94564	7288.158
1.88212	0.03166	3.94745	7290.606
1.88223	0.03166	3.94944	7292.708
1.88234	0.03166	3.95059	7294.237
1.88245	0.03167	3.95182	7295.423
1.88256	0.03167	3.95392	7296.685
1.88267	0.03167	3.9565	7298.467

10:58:59.944	-15	0.00011	0	0.00236	1.989	0.000193	36.9
10:59:00.944	-15	0.0001	0	0.0017	1.685	0.000163	36.6
10:59:01.944	-15	0.00007	0	0.00119	1.161	0.000112	36.3
10:59:02.944	-15	0.00006	0	0.00103	1.027	0.000099	35.9
10:59:03.944	-15	0.00006	0	0.00096	0.936	0.000091	35.2
10:59:04.944	-15	0.00005	0	0.00071	0.765	0.000074	34.4
10:59:05.944	-15	0.00005	0	0.00044	0.535	0.000052	33.7
10:59:06.944	-15	0.00005	0	0.00057	0.355	0.000034	32.9
10:59:07.944	-15	0.00005	0	0.00055	0.241	0.000023	32.1
10:59:08.944	-15	0.00005	0	0.00077	0.19	0.000019	31.2
10:59:09.944	-15	0.00005	0	0.00078	0.156	0.000015	28.9
10:59:10.944	-15	0.00005	0	0.00061	0.132	0.000013	25.9
10:59:11.944	-15	0.00005	0	0.00048	0.123	0.000012	23.4
10:59:12.944	-15	0.00005	0	0.00059	0.128	0.000012	20.3
10:59:13.944	-15	0.00005	0	0.00065	0.114	0.000011	19
10:59:14.944	-15	0.00008	0	0.00102	0.159	0.000016	17.3
10:59:15.944	-15	0.00008	0	0.00101	0.145	0.000014	15.1
10:59:16.944	-15	0.00008	0	0.00095	0.14	0.000014	12.3
10:59:17.944	-15	0.00008	0	0.00093	0.19	0.000019	10.8
10:59:18.944	-15	0.00008	0	0.00089	0.262	0.000025	9
10:59:19.944	-15	0.00008	0	0.00123	0.37	0.000036	6.7
10:59:20.944	-15	0.00008	0	0.00175	0.563	0.000055	3.9
10:59:21.944	-15	0.00008	0	0.00189	0.766	0.000074	3.3
10:59:22.944	-15	0.00008	0	0.00169	0.91	0.000088	2.6
10:59:23.944	-15	0.00008	0	0.00149	1.048	0.000102	1.4
10:59:24.944	-15	0.00008	0.00001	0.00173	1.139	0.00011	0
10:59:25.944	-15	0.00009	0.00002	0.00162	1.183	0.000115	0
10:59:26.944	-15	0.00009	0.00001	0.00175	1.321	0.000128	0
10:59:27.944	-15	0.00009	0	0.00187	1.381	0.000134	0
10:59:28.944	-15	0.00009	0	0.00183	1.356	0.000131	0
10:59:29.944	-15	0.00008	0	0.00168	1.33	0.000129	0
10:59:30.944	-15	0.00008	0	0.00153	1.322	0.000128	0
10:59:31.944	-15	0.00008	0	0.00144	1.315	0.000127	0
10:59:32.944	-15	0.00008	0	0.00153	1.272	0.000123	0
10:59:33.944	-15	0.00008	0	0.00165	1.243	0.00012	0
10:59:34.944	-15	0.00008	0	0.00171	1.223	0.000118	0
10:59:35.944	-15	0.00008	0	0.00171	1.215	0.000118	0
10:59:36.944	-15	0.00008	0	0.00172	1.219	0.000118	0
10:59:37.944	-15	0.00008	0	0.00172	1.221	0.000118	0
10:59:38.944	-15	0.00009	0	0.00193	1.372	0.000133	0
10:59:39.944	-15	0.00012	0	0.00246	1.789	0.000173	0
10:59:40.944	-15	0.00016	0	0.00317	2.724	0.000264	0
10:59:41.944	-15	0.00021	0	0.00354	4.392	0.000425	2.1
10:59:42.944	-15	0.00025	0	0.00422	5.827	0.000563	4.8
10:59:43.944	-15	0.00027	0	0.00377	6.394	0.000618	6.7
10:59:44.944	-15	0.00039	0	0.0058	9.685	0.000936	9.1
10:59:45.944	-15	0.0006	0	0.00759	16.024	0.001548	11

3.00E+00	-4.100	3.700	0.000	2.987	-1.200	192.2	22.3124	1379	34.78	38.7	297.312195	278.099518
3.10E+00	-4.100	3.800	0.000	3.078	-1.900	192.2	22.77	1362	34.78	35.8	292.789063	276.028638
3.10E+00	-4.100	3.800	0.000	3.081	-1.200	192.2	12.01294	1339	34.16	3.1	292.949711	270.9075
3.10E+00	-4.100	3.800	0.000	3.078	-1.400	192.2	11.5071	1313	33.099	0	289.701912	263.370259
3.10E+00	-4.100	3.800	0.000	3.081	0.000	191.8	11.2338	1286	32.48	0	286.396008	256.178073
3.10E+00	-4.100	3.800	0.000	3.101	-1.800	191.5	10.85429	1257	31.885	0	283.059953	250.159002
3.10E+00	-4.100	3.800	0.000	3.138	-0.300	191.1	10.6224	1227	31.147	0	286.012082	245.527334
3.20E+00	-4.100	3.800	0.000	3.168	-2.800	190.7	10.34667	1197	30.299	0	295.396635	240.885149
3.20E+00	-4.100	3.800	0.000	3.188	-2.500		9.58474	1084	27.115	0	293.368714	236.752085
3.20E+00	-4.200	3.800	0.000	3.199	-2.600		9.79581	1211	25.353	0.1	290.453514	232.642136
3.20E+00	-4.200	3.800	0.000	3.204	-5.400		9.76608	1101	22.258	0.8	288.103429	229.075446
3.40E+00	-4.100	4.000	0.000	3.378	-0.600		9.81184	1124	19.764	1.6	287.746994	225.864813
3.40E+00	-4.100	4.000	0.000	3.380	-5.000		9.38612	1080	17.958	4.1	287.080577	222.674283
3.40E+00	-4.100	4.000	0.000	3.381	-2.000	190.4	10.49321	1253	16.77	0	289.337762	219.788901
3.40E+00	-4.100	4.000	0.000	3.382	-2.400	190.4	9.80495	1115	15.005	4.2	299.329271	217.441273
3.40E+00	-4.000	4.000	0.000	3.385	-2.200	190.4	17.59293	960	12.328	10.3	306.1	215.371137
3.40E+00	-3.900	4.000	0.000	3.386	-1.500	190.4	15.0811	948	10.169	6.6	304.387179	212.320579
3.40E+00	-3.900	4.000	0.000	3.386	-4.000	190.4	13.91469	840	8.818	16.3	296.940491	209.459283
3.40E+00	-3.900	4.000	0.000	3.379	0.200		14.56375	795	6.509	29.2	298.465773	208.728137
3.40E+00	-3.800	4.100	0.000	3.431	-2.600		15.736	804	3.417	35.7	299.475	211.0999
3.40E+00	-3.700	4.100	0.000	3.440	0.000		14.96658	772	3.11	36	302.334615	215.431146
3.40E+00	-3.700	4.100	0.000	3.416	-3.800		15.83481	797	2.48	37.9	300.782121	218.861939
3.40E+00	-3.700	4.100	0.000	3.389	-1.900		15.72131	788	1.411	39.6	303.046465	223.710216
3.40E+00	-3.700	4.100	0.000	3.368	-2.300	190.4	15.26785	779	0	39.6	295.482005	227.321711
3.40E+00	-3.800	4.100	0.000	3.350	-4.200	190.4	15.38958	776	0	41.1	286.645652	229.315452
3.30E+00	-3.700	4.100	0.000	3.341	2.000	190.4	15.41967	769	0	42	285.425	231.488636
3.40E+00	-3.700	4.200	0.000	3.418	2.900	190.4	15.74045	776	0	42.3	274.747642	233.620915
3.40E+00	-3.800	4.200	0.000	3.414	1.600	190.4	15.98397	864	0	52.8	274.587716	235.882394
3.40E+00	-3.800	4.200	0.000	3.409	-3.100	190.4	17.8954	930	0.62	40.6	274.423553	237.976111
3.40E+00	-3.800	4.200	0.000	3.403	-1.800	190.4	16.68639	868	0.285	40.3	275.075574	239.01523
3.40E+00	-3.800	4.200	0.000	3.394	-3.300	190.4	15.11476	786	0	39.1	275.798434	239.4
3.40E+00	-3.700	4.200	0.000	3.393	-3.300	190.4	15.2614	772	0	40.3	284.347344	239.142674
3.40E+00	-3.700	4.200	0.000	3.397	-1.500	190.4	15.49817	784	0	40.8	283.139924	238.8
3.40E+00	-3.700	4.200	0.000	3.402	-4.400	190.4	15.48518	778	0	40.4	282.286685	238.484004
3.40E+00	-3.700	4.200	0.000	3.406	-0.700	190.4	15.45136	779	0	40	280.802947	238.1
3.40E+00	-3.700	4.200	0.000	3.409	-5.000	190.4	15.75829	776	0	40	279.987245	238.1
3.40E+00	-3.700	4.200	0.000	3.410	-2.600	190.4	15.62733	778	0	40.7	280.562118	237.81926
3.40E+00	-3.700	4.200	0.000	3.410	-4.500		15.54727	785	0	41.2	291.213002	237.5
3.40E+00	-3.600	4.200	0.000	3.410	-3.000		15.3661	779	0	41.1	291.549328	237.5
3.40E+00	-3.600	4.200	0.000	3.410	-4.600		16.78989	866	0	46.8	291.476583	238.250649
3.40E+00	-3.600	4.200	0.000	3.406	-5.400		22.32057	1065	1.819	61.3	291.996282	240.932767
3.40E+00	-3.600	4.200	0.000	3.389	-1.900		32.19131	1351	3.666	72.7	292.660837	250.468379
3.30E+00	-3.600	4.200	0.000	3.339	-7.700	190.4	37.96314	1563	6.112	68.8	296.613391	265.620238
3.30E+00	-3.600	4.200	0.000	3.317	-5.500	190.4	45.449	1771	7.934	63	301.002312	280.91284
3.30E+00	-3.600	4.200	0.000	3.312	-8.700	190.4	44.88075	1573	9.218	55.8	306.354651	292.92069
3.30E+00	-3.600	4.200	0.000	3.301	-4.300	190.4	68.35331	1901	12.168	79.9	312.154037	316.567171
3.30E+00	-3.600	4.200	0.000	3.284	-4.100	190.4	113.10286	2256	15.324	85.4	312.933796	353.179153

1.88278	0.03167	3.95886	7300.456
1.88288	0.03167	3.96056	7302.141
1.88295	0.03167	3.96175	7303.302
1.88301	0.03167	3.96278	7304.329
1.88307	0.03167	3.96374	7305.265
1.88312	0.03167	3.96445	7306.03
1.88317	0.03167	3.96489	7306.565
1.88322	0.03167	3.96546	7306.92
1.88327	0.03167	3.96601	7307.161
1.88332	0.03167	3.96678	7307.351
1.88337	0.03167	3.96756	7307.507
1.88342	0.03167	3.96817	7307.639
1.88347	0.03167	3.96865	7307.762
1.88352	0.03167	3.96924	7307.89
1.88357	0.03167	3.96989	7308.004
1.88365	0.03167	3.97091	7308.163
1.88373	0.03167	3.97192	7308.308
1.88381	0.03167	3.97287	7308.448
1.88389	0.03167	3.9738	7308.638
1.88397	0.03167	3.97469	7308.9
1.88405	0.03167	3.97592	7309.27
1.88413	0.03167	3.97767	7309.833
1.88421	0.03167	3.97956	7310.599
1.88429	0.03167	3.98125	7311.509
1.88437	0.03167	3.98274	7312.557
1.88445	0.03168	3.98447	7313.696
1.88454	0.0317	3.98609	7314.879
1.88463	0.03171	3.98784	7316.2
1.88472	0.03171	3.98971	7317.581
1.88481	0.03171	3.99154	7318.937
1.88489	0.03171	3.99322	7320.267
1.88497	0.03171	3.99475	7321.589
1.88505	0.03171	3.99619	7322.904
1.88513	0.03171	3.99772	7324.176
1.88521	0.03171	3.99937	7325.419
1.88529	0.03171	4.00108	7326.642
1.88537	0.03171	4.00279	7327.857
1.88545	0.03171	4.00451	7329.076
1.88553	0.03171	4.00623	7330.297
1.88562	0.03171	4.00816	7331.669
1.88574	0.03171	4.01062	7333.458
1.8859	0.03171	4.01379	7336.182
1.88611	0.03171	4.01733	7340.574
1.88636	0.03171	4.02155	7346.401
1.88663	0.03171	4.02532	7352.795
1.88702	0.03171	4.03112	7362.48
1.88762	0.03171	4.03871	7378.504

10:59:46.944	-15	0.0011	0	0.00957	20.919	0.00202	13.2
10:59:47.944	-15	0.0039	0	0.0124	22.024	0.002128	16.6
10:59:48.944	-15	0.00669	0	0.01105	21.635	0.00209	20.7
10:59:49.944	-15	0.0074	0	0.01016	19.908	0.001923	24.8
10:59:50.944	-15	0.00697	0	0.00903	17.986	0.001737	29.9
10:59:51.944	-15	0.00725	0	0.00928	18.866	0.001822	32.8
10:59:52.944	-15	0.00735	0	0.00918	18.326	0.00177	36.4
10:59:53.944	-15	0.00588	0	0.00725	13.146	0.00127	38.8
10:59:54.944	-15	0.00354	0	0.00535	9.904	0.000957	41.8
10:59:55.944	-15	0.00224	0	0.00487	9.343	0.000903	43
10:59:56.944	-15	0.00113	0	0.00352	7.438	0.000718	44.5
10:59:57.944	-15	0.00065	0	0.00317	6.308	0.000609	45.2
10:59:58.944	-15	0.00043	0	0.00329	6.797	0.000656	46
10:59:59.944	-15	0.00032	0	0.00307	7.457	0.00072	46.2
11:00:00.944	-15	0.00025	0	0.00254	7.035	0.000679	46.5
11:00:01.944	-15	0.00022	0	0.00228	6.292	0.000607	46.9
11:00:02.944	-15	0.00022	0	0.0023	6.401	0.000618	47.4
11:00:03.944	-15	0.00023	0	0.0021	6.561	0.000633	47.6
11:00:04.944	-15	0.00023	0	0.00209	6.577	0.000635	47.8
11:00:05.944	-15	0.00022	0	0.00237	6.425	0.00062	48.1
11:00:06.944	-15	0.0002	0	0.00246	5.622	0.000543	48.4
11:00:07.944	-14.2	0.00019	0	0.00264	5.212	0.000503	48.6
11:00:08.944	-14.8	0.00019	0	0.00288	5.08	0.000491	48.8
11:00:09.944	-15	0.00018	0	0.00282	4.881	0.000472	48.8
11:00:10.944	-15	0.00016	0	0.00235	4.264	0.000412	48.9
11:00:11.944	-14.2	0.00013	0	0.00176	3.415	0.00033	48.9
11:00:12.944	-14	0.00011	0.00001	0.0015	2.726	0.000263	48.9
11:00:13.944	-14	0.00011	0	0.00184	2.632	0.000254	48.7
11:00:14.944	-14.8	0.00011	0.00004	0.00183	2.725	0.000263	48.4
11:00:15.944	-14.2	0.00012	0.00004	0.00183	2.839	0.000275	48.3
11:00:16.944	-14.8	0.00012	0.00004	0.00167	2.918	0.000282	48.1
11:00:17.944	-14.2	0.00012	0.00004	0.00143	3.119	0.000301	48
11:00:18.944	-14	0.00013	0.00001	0.00198	3.33	0.000322	47.8
11:00:19.944	-14	0.00013	0.00003	0.00189	3.601	0.000348	47.5
11:00:20.944	-14	0.00014	0	0.0018	3.84	0.000371	47.1
11:00:21.944	-14.8	0.00017	0.00001	0.00205	4.687	0.000453	47.1
11:00:22.944	-14.2	0.00024	0	0.00366	7.705	0.000744	47.1
11:00:23.944	-14	0.00028	0	0.00512	9.837	0.000949	46.9
11:00:24.944	-14	0.0003	0	0.00421	10.063	0.00097	46.7
11:00:25.944	-14	0.0003	0	0.00506	9.619	0.000928	47.4
11:00:26.944	-14	0.0003	0	0.00481	8.704	0.00084	48.3
11:00:27.944	-14	0.00032	0	0.00466	8.384	0.000809	48.8
11:00:28.944	-14	0.00033	0	0.00466	8.469	0.000817	49.5
11:00:29.944	-14	0.00032	0	0.0043	8.327	0.000804	49.8
11:00:30.944	-14	0.00023	0	0.00235	5.607	0.000541	50.1
11:00:31.944	-14	0.00014	0	0.00111	3.108	0.0003	49.9
11:00:32.944	-14	0.00011	0	0.00109	2.431	0.000235	49.7

4.60E+00	1.700	4.200	1.330	3.283	-6.200
1.55E+01	15.700	4.200	12.235	3.283	-6.800
2.72E+01	30.600	4.200	23.947	3.282	-7.700
3.28E+01	37.800	4.200	29.515	3.281	-4.400
3.46E+01	40.200	4.200	31.364	3.277	-8.000
3.50E+01	40.800	4.200	31.741	3.271	-4.300
3.60E+01	41.900	4.200	32.675	3.277	-6.900
3.67E+01	42.500	4.200	33.413	3.302	-5.300
2.99E+01	33.900	4.200	26.610	3.297	-3.500
2.07E+01	22.300	4.200	17.424	3.287	-3.800
1.32E+01	12.600	4.200	9.873	3.287	-0.800
8.70E+00	6.900	4.200	5.423	3.293	-5.000
5.60E+00	3.000	4.200	2.347	3.281	-1.900
4.00E+00	0.900	4.200	0.699	3.268	-3.100
3.30E+00	-0.100	4.200	0.000	3.266	-2.000
3.30E+00	-1.000	4.200	0.000	3.267	-2.500
3.30E+00	-1.300	4.200	0.000	3.264	-3.800
3.30E+00	-1.400	4.200	0.000	3.260	-0.800
3.30E+00	-1.400	4.200	0.000	3.261	-4.600
3.20E+00	-1.800	4.100	0.000	3.184	-1.500
3.20E+00	-2.100	4.100	0.000	3.196	-4.200
3.20E+00	-2.100	4.100	0.000	3.210	-1.200
3.20E+00	-2.300	4.100	0.000	3.210	-2.500
3.20E+00	-2.300	4.100	0.000	3.206	-3.500
3.20E+00	-2.500	4.100	0.000	3.204	-0.700
3.20E+00	-2.600	4.100	0.000	3.209	-3.500
3.20E+00	-2.600	4.100	0.000	3.225	0.700
3.20E+00	-2.600	4.100	0.000	3.237	-2.000
3.20E+00	-2.600	4.100	0.000	3.237	4.000
3.20E+00	-2.600	4.100	0.000	3.237	3.900
3.20E+00	-2.700	4.100	0.000	3.237	3.600
3.20E+00	-2.800	4.100	0.000	3.230	3.200
3.20E+00	-2.800	4.100	0.000	3.219	0.600
3.20E+00	-2.800	4.100	0.000	3.213	2.700
3.20E+00	-2.800	4.100	0.000	3.211	-0.800
3.20E+00	-2.800	4.100	0.000	3.199	0.800
3.20E+00	-2.800	4.100	0.000	3.169	-1.600
3.10E+00	-2.800	4.100	0.000	3.139	-1.100
3.20E+00	-2.500	4.200	0.000	3.224	-2.500
3.20E+00	-0.600	4.100	0.000	3.179	-3.500
3.50E+00	0.400	4.100	0.290	3.167	-2.600
3.80E+00	0.900	4.100	0.676	3.169	-4.300
3.90E+00	0.900	4.200	0.695	3.243	-0.200
3.90E+00	0.800	4.200	0.636	3.243	-4.100
3.80E+00	0.700	4.200	0.565	3.270	-2.700
3.60E+00	0.400	4.200	0.277	3.305	-0.900
3.30E+00	-0.700	4.100	0.000	3.278	0.000

190.4	147.95123	2520	19.099	85.5	312.543478	389.826474
190.4	160.78283	2642	23.941	83.2	321.532298	427.50788
190.4	165.53614	2715	28.113	83	336.374743	449.962921
190.4	146.61415	2407	31.891	85.2	343.784318	466.246667
190.4	139.6621	2271	34.71	87.7	366.220976	471.886281
190.7	131.72658	2137	37.744	87.9	368.676146	474.705095
191.1	130.54083	2271	40.229	79.8	371.208333	477.826243
191.4	105.05644	2222	41.855	69.3	368.944898	471.131552
191.8	73.46836	2046	42.85	76.8	372.491715	458.259568
192.2	70.91342	1911	43.806	77.4	376.65	455.540079
192.8	55.18385	1746	44.419	74	375.35	449.648773
193.6	44.27452	1755	44.71	79.5	367.042331	439.914414
194.3	48.47718	1766	44.71	80.8	355.639917	435.782407
195	51.20804	1782	45.33	78.6	352.524953	435.3
195.8	51.7343	1803	45.768	77.7	356.814829	434.542049
195.8	42.41266	1519	45.95	79.8	359.157692	432.573465
195.8	42.28171	1504	46.58	80.7	357.120764	430.075916
195.8	43.442	1509	46.58	80.3	345.186667	427.842084
195.8	43.54077	1523	47.133	76.9	344.106977	426.566833
195.8	43.32726	1529	47.2	78	340.592069	425.198148
195.8	38.60591	1528	47.2	72.8	328.63986	419.986498
195.8	36.64741	1533	47.462	78	315.186154	414.074561
195.8	37.03687	1536	47.2	79.1	320.99831	409.6
195.8	35.67531	1537	47.2	76.3	319.203125	408.0375
195.8	29.05973	1531	47.2	62.9	317.815871	403.091124
195.8	26.13714	1528	47.2	51.1	316.539184	393.289422
195.8	19.59371	1268	46.681	54.3	322.5285	383.286534
195.8	21.04865	1257	46.58	52.2	338.258	374.814709
195.8	22.58703	1256	46.58	49.2	334.731737	367.657371
195.8	22.84114	1248	46.58	56.9	331.510139	362.123922
195.8	24.06337	1247	45.95	66.4	330.028247	359.3
195.8	25.35214	1237	45.95	66.2	334.475952	359.544882
195.8	24.82537	1235	45.95	67	331.119471	359.682366
195.8	26.03915	1225	45.33	67.1	332.53015	358.872174
195.8	27.17717	1221	45.33	68.2	333.666571	359.470049
195.8	30.62738	1222	45.33	87.1	334.966705	364.791304
195.8	51.09687	1223	45.33	93.8	336.123904	383.249226
195.8	57.99354	1239	45.873	83.2	342.64	405.899674
195.8	57.40265	1262	46.573	84.6	347.575383	420.909827
196.2	56.9069	1276	47.2	82.8	355.000546	430.851823
196.6	52.19453	1290	48.363	84.7	362.932959	437.581961
197	52.06436	1297	47.875	84.4	350.018481	442.480506
197.3	52.46233	1304	48.44	84.6	348.420727	446.558999
	52.21038	1309	48.44	79.4	342.278302	449.61374
	39.98764	1301	48.223	60.8	345.141477	442.01144
	22.57333	1284	47.627	45.4	346.952075	423.961176
	19.43	1265	46.965	58.8	341.911765	407.879167

1.88872	0.03171	4.04828	7399.423
1.89262	0.03171	4.06068	7421.447
1.89931	0.03171	4.07173	7443.082
1.90671	0.03171	4.08189	7462.99
1.91368	0.03171	4.09092	7480.976
1.92093	0.03171	4.1002	7499.842
1.92828	0.03171	4.10938	7518.168
1.93416	0.03171	4.11663	7531.314
1.9377	0.03171	4.12198	7541.218
1.93994	0.03171	4.12685	7550.561
1.94107	0.03171	4.13037	7557.999
1.94172	0.03171	4.13354	7564.307
1.94215	0.03171	4.13683	7571.104
1.94247	0.03171	4.1399	7578.561
1.94272	0.03171	4.14244	7585.596
1.94294	0.03171	4.14472	7591.888
1.94316	0.03171	4.14702	7598.289
1.94339	0.03171	4.14912	7604.85
1.94362	0.03171	4.15121	7611.427
1.94384	0.03171	4.15358	7617.852
1.94404	0.03171	4.15604	7623.474
1.94423	0.03171	4.15868	7628.686
1.94442	0.03171	4.16156	7633.766
1.9446	0.03171	4.16438	7638.647
1.94476	0.03171	4.16673	7642.911
1.94489	0.03171	4.16849	7646.326
1.945	0.03172	4.16999	7649.052
1.94511	0.03172	4.17183	7651.684
1.94522	0.03176	4.17366	7654.409
1.94534	0.0318	4.17549	7657.248
1.94546	0.03184	4.17716	7660.166
1.94558	0.03188	4.17859	7663.285
1.94571	0.03189	4.18057	7666.615
1.94584	0.03192	4.18246	7670.216
1.94598	0.03192	4.18426	7674.056
1.94615	0.03193	4.18631	7678.743
1.94639	0.03193	4.18997	7686.448
1.94667	0.03193	4.19509	7696.285
1.94697	0.03193	4.1993	7706.348
1.94727	0.03193	4.20436	7715.967
1.94757	0.03193	4.20917	7724.671
1.94789	0.03193	4.21383	7733.055
1.94822	0.03193	4.21849	7741.524
1.94854	0.03193	4.22279	7749.851
1.94877	0.03193	4.22514	7755.458
1.94891	0.03193	4.22625	7758.566
1.94902	0.03193	4.22734	7760.997

11:00:33.944	-14	0.00011	0	0.00146	2.281	0.000221	49.1
11:00:34.944	-14	0.00011	0	0.00172	2.585	0.00025	48.4
11:00:35.944	-14.8	0.00012	0.00004	0.00162	2.985	0.000289	47.9
11:00:36.944	-14.2	0.00012	0	0.00152	3.147	0.000304	47.2
11:00:37.944	-14	0.00012	0.00001	0.0015	3.075	0.000297	46.8
11:00:38.944	-14	0.00011	0	0.00146	2.899	0.00028	46.3
11:00:39.944	-14	0.00011	0	0.00151	2.645	0.000256	45.7
11:00:40.944	-14	0.0001	0	0.00161	2.441	0.000236	45
11:00:41.944	-14	0.0001	0	0.00168	2.34	0.000226	44.6
11:00:42.944	-14	0.00009	0	0.0015	2.099	0.000203	44
11:00:43.944	-14	0.00009	0	0.00139	2.066	0.0002	43.5
11:00:44.944	-14	0.00017	0	0.00103	3.129	0.000303	42.8
11:00:45.944	-14	0.00018	0	0.00059	1.688	0.000163	41.7
11:00:46.944	-14	0.00018	0	0.00122	0.733	0.000071	40.4
11:00:47.944	-14.8	0.00017	0	0.0018	0.428	0.000042	39.3
11:00:48.944	-14.2	0.00007	0	0.00081	0.151	0.000015	38
11:00:49.944	-14	0.00006	0	0.00062	0.102	0.00001	36
11:00:50.944	-14	0.00005	0	0.00058	0.082	0.000008	33.7
11:00:51.944	-14.8	0.00004	0	0.00057	0.081	0.000008	32.2
11:00:52.944	-15	0.00004	0	0.00056	0.092	0.000009	30.3
11:00:53.944	-14.2	0.00004	0	0.00048	0.096	0.000009	28.7
11:00:54.944	-14	0.00004	0	0.00046	0.092	0.000009	26.7
11:00:55.944	-14	0.00004	0	0.00043	0.081	0.000008	24.6
11:00:56.944	-14	0.00005	0	0.0006	0.094	0.000009	22.1
11:00:57.944	-14	0.00007	0	0.00097	0.139	0.000014	18.9
11:00:58.944	-14	0.00008	0	0.00115	0.164	0.000016	15
11:00:59.944	-14.8	0.0001	0	0.00182	0.399	0.000039	13.3
11:01:00.944	-14.2	0.00014	0	0.00399	1.614	0.000157	11.3
11:01:01.944	-14	0.00026	0	0.0094	5.651	0.000548	11.7
11:01:02.944	-14	0.00038	0	0.0116	11.662	0.001128	12.1
11:01:03.944	-14	0.00049	0	0.01084	16.482	0.001593	14.5
11:01:04.944	-14	0.00126	0	0.00911	18.233	0.001761	17.4
11:01:05.944	-14	0.00235	0	0.00757	16.88	0.00163	21.2
11:01:06.944	-14	0.00287	0	0.00665	15.003	0.001449	26
11:01:07.944	-14	0.00309	0	0.00655	15.003	0.001449	29.3
11:01:08.944	-14	0.00344	0	0.00633	16.157	0.00156	33.4
11:01:09.944	-14	0.00351	0	0.006	15.809	0.001527	36
11:01:10.944	-14	0.00315	0	0.00562	13.793	0.001332	39.2
11:01:11.944	-14	0.0027	0	0.00552	12.66	0.001223	41.3
11:01:12.944	-14	0.00176	0	0.00384	9.55	0.000923	43.8
11:01:13.944	-14	0.00117	0	0.00375	8.264	0.000798	45.3
11:01:14.944	-14	0.00067	0	0.00321	7.117	0.000687	47.1
11:01:15.944	-14	0.00039	0	0.00268	5.997	0.000579	47.9
11:01:16.944	-14	0.00025	0	0.00278	5.328	0.000515	48.8
11:01:17.944	-14.8	0.00018	0	0.00314	5.366	0.000518	49.2
11:01:18.944	-14.2	0.00015	0	0.00276	5.302	0.000512	49.6
11:01:19.944	-14	0.00009	0	0.00139	3.009	0.000291	49.7

3.30E+00	-1.200	4.100	0.000	3.272	-0.300		21.7243	1243	46.356	65.3	340.375926	397.263333
3.20E+00	-1.500	4.000	0.000	3.196	-2.300	197.5	22.80208	1227	45.33	60.5	340.618927	388.575294
3.10E+00	-1.800	4.000	0.000	3.149	3.500	197.1	23.38698	1220	45.33	58.5	335.981352	381.339054
3.10E+00	-2.200	4.000	0.000	3.148	-0.300	196.7	24.75747	1205	44.71	58.5	334.782051	375.315961
3.20E+00	-2.300	4.000	0.000	3.151	0.800	196.3	24.13765	1193	44.146	53.4	339.374338	370.698351
3.10E+00	-2.700	3.900	0.000	3.080	-1.600	195.9	23.10574	1175	43.573	49	338.336875	364.586478
3.00E+00	-2.900	3.800	0.000	3.034	-2.800		21.992	1163	42.85	49.2	338.626946	358.017042
3.00E+00	-3.000	3.800	0.000	3.020	-1.700		21.12712	1150	42.85	51.1	337.037734	353.505098
3.00E+00	-3.100	3.800	0.000	3.023	-4.300		20.64647	1137	42.23	51.9	336.341046	348.941758
2.90E+00	-3.100	3.700	0.000	2.943	-1.400		21.73785	1120	41.61	27.9	335.421181	344.908218
3.00E+00	-3.200	3.700	0.000	2.950	-3.600		10.79357	1199	40.431	3.5	333.344286	331.105485
2.90E+00	-3.200	3.600	0.000	2.938	-0.200	195.6	40.29046	1273	39.201	0	330.214504	316.076358
2.90E+00	-3.200	3.400	0.000	2.869	-5.000	195.2	42.01618	1232	37.885	0	326.001025	297.4057
2.80E+00	-3.200	3.300	0.000	2.806	-4.900	194.8	40.69781	1196	36.646	0	322.505104	278.493111
2.80E+00	-3.300	3.300	0.000	2.792	-4.800	194.5	38.99478	1155	35.839	0	305.298977	262.619741
2.80E+00	-3.300	3.300	0.000	2.798	-8.100	194.1	19.53809	1143	33.096	0	301.068885	251.079534
2.80E+00	-3.300	3.300	0.000	2.800	-6.200	193.7	11.69293	1215	30.857	0	300.252716	245.002772
2.70E+00	-3.300	3.200	0.000	2.737	-8.800	193.3	10.71198	1160	29.634	0	300.078586	242.195445
2.70E+00	-3.400	3.200	0.000	2.712	-4.200	192.9	10.0525	1099	27.833	1.4	290.560427	240.556211
2.70E+00	-3.400	3.200	0.000	2.710	-6.800	192.5	10.45399	1246	26.086	0	306.245	238.337568
2.70E+00	-3.400	3.200	0.000	2.712	-4.200	192.2	10.37092	1164	24.597	0.3	314.770577	236.585149
2.70E+00	-3.400	3.200	0.000	2.713	-6.200	192.2	9.91736	1145	21.691	1.2	321.237692	234.759783
2.70E+00	-3.300	3.200	0.000	2.714	-8.500	192.2	9.67423	1066	18.653	2.1	318.657895	232.862315
2.70E+00	-3.300	3.200	0.000	2.714	-3.500	192.2	8.94882	987	14.444	10.8	318.884211	231.399796
2.70E+00	-3.300	3.200	0.000	2.715	-7.600	192.2	18.81926	851	12.21	15.7	318.374299	230.117383
2.70E+00	-3.300	3.200	0.000	2.714	-4.800	192.2	17.39222	975	10.401	20.6	314.091111	227.9919
2.60E+00	-3.300	3.100	0.000	2.614	-6.800	192.2	22.32843	1282	9.94	58.9	311.139808	232.617763
2.60E+00	-3.300	3.100	0.000	2.569	-5.000	192.2	34.24069	1472	10.814	72.9	321.585577	248.872636
2.60E+00	-3.200	3.200	0.000	2.583	-5.700	192.2	68.13922	1848	12.617	75	328.262594	280.481481
2.50E+00	-3.100	3.200	0.000	2.532	-7.700	192.2	89.15741	2087	15.911	75	330.132245	322.907826
2.50E+00	-1.900	3.200	0.000	2.514	-5.800	192	119.27151	2308	19.403	77.9	334.134086	361.66856
6.00E+00	4.400	3.200	3.450	2.509	-10.600	191.6	134.63791	2500	24.195	77.7	335.288889	398.031417
1.22E+01	12.400	3.200	9.706	2.504	-5.500	191.3	126.38667	2312	28.341	78.6	343.971667	425.9445
1.69E+01	18.400	3.300	14.387	2.559	-9.600	190.9	120.00486	2159	31.554	79.7	344.483093	442.112092
1.85E+01	20.400	3.300	15.941	2.577	-5.700	190.5	105.52264	1974	34.889	81	361.756579	448.664982
1.92E+01	21.300	3.300	16.622	2.576	-8.500	190.7	111.81396	2133	37.292	79.5	382.854798	455.32087
1.97E+01	21.900	3.300	17.156	2.580	-6.900	191.1	115.76268	2275	39.833	76.9	385.028437	458.542178
2.00E+01	22.300	3.300	17.431	2.583	-6.700	191.5	100.0535	2049	41.994	79.3	385.754774	459.865
1.87E+01	20.600	3.300	16.159	2.583	-9.500	191.8	97.13446	2092	44.068	74.6	355.777068	459.938703
1.56E+01	16.700	3.200	13.093	2.534	-4.600		72.35256	1793	45.278	71.3	359.683685	455.12763
1.20E+01	12.100	3.200	9.526	2.511	-9.000		62.02367	1822	46.525	78.8	356.593642	450.561924
8.20E+00	7.300	3.200	5.720	2.505	-4.800		54.53617	1563	47.145	77	355.913198	447.14886
5.70E+00	4.000	3.200	3.169	2.504	-8.400		43.5402	1541	47.79	71.8	354.956768	439.293878
4.00E+00	1.900	3.200	1.482	2.514	-5.900		39.05466	1553	47.82	79.2	349.760377	428.96621
2.80E+00	0.400	3.200	0.313	2.509	-5.700	194	38.88419	1560	47.82	79.6	345.419444	421.540261
2.50E+00	-0.400	3.200	0.000	2.507	-7.100	194.4	39.40223	1570	48.44	76.1	332.707639	417.302198
2.50E+00	-1.000	3.200	0.000	2.506	-2.900	194.8	23.60329	1506	48.44	39.9	330.144712	403.064447

1.94913	0.03193	4.2288	7763.278
1.94924	0.03193	4.23052	7765.863
1.94936	0.03197	4.23214	7768.848
1.94948	0.03197	4.23366	7771.995
1.9496	0.03198	4.23516	7775.07
1.94971	0.03198	4.23662	7777.969
1.94982	0.03198	4.23813	7780.614
1.94992	0.03198	4.23974	7783.055
1.95002	0.03198	4.24142	7785.395
1.95011	0.03198	4.24292	7787.494
1.9502	0.03198	4.24431	7789.56
1.95037	0.03198	4.24534	7792.689
1.95055	0.03198	4.24593	7794.377
1.95073	0.03198	4.24715	7795.11
1.9509	0.03198	4.24895	7795.538
1.95097	0.03198	4.24976	7795.689
1.95103	0.03198	4.25038	7795.791
1.95108	0.03198	4.25096	7795.873
1.95112	0.03198	4.25153	7795.954
1.95116	0.03198	4.25209	7796.046
1.9512	0.03198	4.25257	7796.142
1.95124	0.03198	4.25303	7796.234
1.95128	0.03198	4.25346	7796.315
1.95133	0.03198	4.25406	7796.409
1.9514	0.03198	4.25503	7796.548
1.95148	0.03198	4.25618	7796.712
1.95158	0.03198	4.258	7797.111
1.95172	0.03198	4.26199	7798.725
1.95198	0.03198	4.27139	7804.376
1.95236	0.03198	4.28299	7816.038
1.95285	0.03198	4.29383	7832.52
1.95411	0.03198	4.30294	7850.753
1.95646	0.03198	4.31051	7867.633
1.95933	0.03198	4.31716	7882.636
1.96242	0.03198	4.32371	7897.639
1.96586	0.03198	4.33004	7913.796
1.96937	0.03198	4.33604	7929.605
1.97252	0.03198	4.34166	7943.398
1.97522	0.03198	4.34718	7956.058
1.97698	0.03198	4.35102	7965.608
1.97815	0.03198	4.35477	7973.872
1.97882	0.03198	4.35798	7980.989
1.97921	0.03198	4.36066	7986.986
1.97946	0.03198	4.36344	7992.314
1.97964	0.03198	4.36658	7997.68
1.97979	0.03198	4.36934	8002.982
1.97988	0.03198	4.37073	8005.991

11:01:20.944	-14	0.00007	0	0.00113	2.358	0.000228	49.8
11:01:21.944	-14	0.00005	0	0.00064	1.42	0.000137	49.6
11:01:22.944	-14	0.00005	0	0.00049	0.922	0.000089	49.3
11:01:23.944	-14	0.00005	0	0.00053	0.585	0.000057	48.8
11:01:24.944	-14	0.00004	0	0.0005	0.384	0.000037	48.2
11:01:25.944	-14	0.00004	0	0.00049	0.273	0.000026	47.8
11:01:26.944	-14	0.00004	0	0.00069	0.212	0.000021	47.2
11:01:27.944	-14	0.00004	0	0.00072	0.175	0.000017	46.7
11:01:28.944	-14	0.00004	0	0.0007	0.154	0.000015	46
11:01:29.944	-14	0.00004	0	0.00065	0.138	0.000013	45.3
11:01:30.944	-14	0.00004	0	0.00029	0.123	0.000012	44.4
11:01:31.944	-14	0.00004	0	0.00073	0.121	0.000012	43.7
11:01:32.944	-14	0.00007	0	0.00131	0.181	0.000018	42.9
11:01:33.944	-14	0.00009	0	0.0016	0.213	0.000021	42.1
11:01:34.944	-14	0.00008	0	0.00172	0.291	0.000028	41.1
11:01:35.944	-14	0.00008	0	0.00216	0.558	0.000054	40.5
11:01:36.944	-14	0.00013	0	0.00381	1.689	0.000164	39.7
11:01:37.944	-14	0.00019	0	0.00895	5.568	0.000539	39.3
11:01:38.944	-14	0.00024	0	0.01073	9.824	0.000949	38.8
11:01:39.944	-14	0.00021	0	0.00628	9	0.000869	39.6
11:01:40.944	-14	0.00015	0	0.00258	5.069	0.00049	40.5
11:01:41.944	-14	0.0001	0	0.00203	2.942	0.000284	40.9
11:01:42.944	-14	0.00009	0	0.00254	2.692	0.00026	41.3
11:01:43.944	-14	0.00012	0	0.00311	3.617	0.00035	41.3
11:01:44.944	-14	0.00015	0	0.00351	4.586	0.000443	41.2
11:01:45.944	-14	0.00018	0	0.00398	6.02	0.000582	41.2
11:01:46.944	-14	0.00013	0	0.00237	4.766	0.00046	41.2
11:01:47.944	-14	0.00006	0	0.00084	2.049	0.000198	41.5
11:01:48.944	-14	0.00005	0	0.00083	1.518	0.000147	41.9
11:01:49.944	-14	0.00005	0	0.00048	1.029	0.0001	41.3
11:01:50.944	-14	0.00004	0	0.00071	0.685	0.000066	40.6
11:01:51.944	-14	0.00004	0	0.00078	0.481	0.000047	40.1
11:01:52.944	-14	0.00004	0	0.00082	0.403	0.000039	39.5
11:01:53.944	-14	0.00004	0	0.00092	0.361	0.000035	37.7
11:01:54.944	-14	0.00004	0	0.00067	0.279	0.000027	35.4
11:01:55.944	-14	0.00004	0	0.00064	0.207	0.00002	33.6
11:01:56.944	-14.8	0.00004	0	0.00062	0.167	0.000016	31.4
11:01:57.944	-14.2	0.00004	0	0.00064	0.137	0.000013	27.8
11:01:58.944	-14	0.00006	0	0.00103	0.184	0.000018	23.5
11:01:59.944	-14	0.00007	0	0.00125	0.206	0.00002	19.8
11:02:00.944	-14	0.00007	0	0.00124	0.257	0.000025	15.4
11:02:01.944	-14	0.00008	0	0.00157	0.458	0.000045	11.7
11:02:02.944	-14.8	0.00013	0	0.00329	1.284	0.000125	7.2
11:02:03.944	-15	0.00018	0	0.00516	2.935	0.000285	7.6
11:02:04.944	-14.2	0.00019	0	0.00431	4.158	0.000403	8.1
11:02:05.944	-14	0.0002	0	0.00281	4.535	0.000439	9.9
11:02:06.944	-14	0.00027	0	0.005	6.799	0.000657	12.1

2.50E+00	-1.200	3.200	0.000	2.518	-6.000	195.2	19.45968	1289	47.82	10.2	317.4575	380.819795
2.60E+00	-1.300	3.200	0.000	2.550	-1.700	195.6	11.80608	1275	47.2	0.5	312.611	362.150533
2.50E+00	-1.600	3.100	0.000	2.544	-4.700	195.7	11.446	1261	46.857	0	311.210377	345.527767
2.60E+00	-1.800	3.100	0.000	2.561	-1.500	195.3	11.26362	1249	46.253	0	311.288462	331.500687
2.60E+00	-1.800	3.100	0.000	2.586	-3.700	194.9	10.94952	1234	45.656	0	311.015009	320.455868
2.60E+00	-2.000	3.100	0.000	2.601	-5.500	194.5	10.6607	1218	45.33	0	309.8	310.612903
2.60E+00	-2.100	3.100	0.000	2.610	-2.600	194.1	10.45954	1200	44.71	0	308.441579	300.948317
2.60E+00	-2.200	3.100	0.000	2.615	-7.000		10.37251	1184	44.09	0	305.862245	293.470659
2.60E+00	-2.300	3.100	0.000	2.618	-2.500		10.26418	1165	43.47	0	304.549167	286.681306
2.60E+00	-2.300	3.100	0.000	2.620	-5.900		10.0289	1143	42.259	0	302.893865	279.894995
2.60E+00	-2.300	3.100	0.000	2.622	-2.700		9.74	1121	41.602	0.2	300.860643	273.740198
2.60E+00	-2.300	3.100	0.000	2.624	-4.600		9.7968	1119	40.374	0.2	300.155833	268.382
2.60E+00	-2.300	3.100	0.000	2.626	-3.900	192.2	14.8699	1296	39.743	7.9	298.456994	262.935564
2.60E+00	-2.300	3.100	0.000	2.626	-3.100	192.2	21.1383	1274	39.124	21.1	297.495833	258.297297
2.60E+00	-2.300	3.100	0.000	2.619	-6.300	192.2	19.99821	1256	38.5	27.1	297.109148	255.667288
2.60E+00	-2.300	3.100	0.000	2.599	-1.000	192.2	19.4304	1227	37.88	27.7	285.562	254.3
2.60E+00	-2.300	3.100	0.000	2.562	-5.500	192.2	32.95055	1224	37.581	89.5	283.220729	265.305549
2.50E+00	-2.400	3.100	0.000	2.468	-1.000	192.2	51.54661	1235	37.88	99.6	301.365318	306.204396
2.40E+00	-2.400	3.100	0.000	2.396	-1.400	192.2	59.87002	1264	39.088	90.8	316.344615	348.160989
2.40E+00	-2.200	3.100	0.000	2.394	-3.100	192.2	50.43742	1291	39.74	70	324.067895	371.187791
2.40E+00	-0.600	3.100	0.000	2.440	-4.600	192.2	37.74696	1302	40.076	67.4	315.939086	372.006349
2.50E+00	0.000	3.100	0.000	2.462	-8.000	192.4	24.45018	1303	40.37	69.2	319.442245	367.168172
2.50E+00	0.000	3.100	0.000	2.464	-2.600	192.8	22.77443	1297	39.74	52.1	318.963581	361.128235
2.50E+00	-0.500	3.100	0.000	2.460	-6.400	193.2	25.89175	1300	40.286	48.1	320.716458	349.664713
2.50E+00	-0.800	3.100	0.000	2.454	-1.300	193.5	40.88692	1286	39.74	72.8	324.080913	346.328693
2.40E+00	-1.400	3.100	0.000	2.442	-6.400	193.9	47.51432	1303	40.37	75.4	332.95175	357.456427
2.40E+00	-1.600	3.100	0.000	2.423	-5.100		41.41861	1313	40.37	53.5	337.921779	361.293812
2.40E+00	-1.600	3.100	0.000	2.431	-6.400		16.29944	1303	40.129	24.2	332.44125	345.813082
2.50E+00	-1.700	3.100	0.000	2.463	-4.500		11.63183	1282	39.5	14.7	325.2075	329.31682
2.50E+00	-1.700	3.100	0.000	2.507	-1.900		11.42936	1258	38.88	4.8	319.4912	315.53046
2.50E+00	-1.800	3.100	0.000	2.546	-6.700		11.14638	1238	38.281	0.5	313.949061	303.316056
2.60E+00	-1.900	3.100	0.000	2.570	-2.400	193.7	10.77768	1195	36.621	0	309.898121	293.0168
2.60E+00	-2.000	3.100	0.000	2.579	-3.800	193.3	10.00016	1121	34.574	0	306.616433	283.515778
2.60E+00	-2.100	3.100	0.000	2.588	-1.700	193	10.82979	1237	32.888	0	299.116387	275.268769
2.70E+00	-2.200	3.200	0.000	2.683	-3.600	192.6	10.64921	1208	30.384	0	294.799686	268.397605
2.70E+00	-2.300	3.200	0.000	2.692	-4.600	192.2	9.86758	1090	27.576	2	291.533264	261.806633
2.80E+00	-2.300	3.300	0.000	2.780	-3.600	192.2	9.43719	1067	23.853	0.4	288.39657	255.8365
2.80E+00	-2.300	3.300	0.000	2.786	-7.400	192.2	8.7825	984	19.784	9.5	285.602923	250.872
2.80E+00	-2.300	3.300	0.000	2.790	-3.300	192.2	8.75025	894	15.327	19.3	283.195094	247.11
2.80E+00	-2.300	3.300	0.000	2.792	-7.400	192.2	16.66042	790	10.896	22.1	283.919057	243.856947
2.80E+00	-2.300	3.300	0.000	2.786	-1.600	192.2	16.37909	809	6.999	27.8	281.454528	241.9
2.80E+00	-2.300	3.300	0.000	2.772	-3.300	191.9	17.84306	836	5.94	30	280.72	242.642857
2.70E+00	-2.300	3.300	0.000	2.738	-3.300	191.5	29.18875	1397	6.553	56.2	282.060361	249.35873
2.80E+00	-2.300	3.400	0.000	2.772	-4.600	191.1	51.63318	1831	8.43	65.2	290.097835	266.728033
2.90E+00	-2.300	3.700	0.000	2.943	-6.700	190.7	37.93	1540	10.84	68.1	305.408092	284.410315
3.10E+00	-2.300	3.900	0.000	3.085	-3.600	190.4	37.81407	1639	12.389	67.1	313.785	296.00495
3.10E+00	-2.300	3.900	0.000	3.085	-6.800	190.4	48.34633	1737	13.611	68.2	316.852981	309.543478

1.97995	0.03198	4.37186	8008.349
1.98	0.03198	4.3725	8009.769
1.98005	0.03198	4.37299	8010.691
1.9801	0.03198	4.37352	8011.276
1.98014	0.03198	4.37402	8011.66
1.98018	0.03198	4.37451	8011.933
1.98022	0.03198	4.3752	8012.145
1.98026	0.03198	4.37592	8012.32
1.9803	0.03198	4.37662	8012.474
1.98034	0.03198	4.37727	8012.612
1.98038	0.03198	4.37756	8012.735
1.98042	0.03198	4.37829	8012.856
1.98049	0.03198	4.3796	8013.037
1.98058	0.03198	4.3812	8013.25
1.98066	0.03198	4.38292	8013.541
1.98074	0.03198	4.38508	8014.099
1.98087	0.03198	4.38889	8015.788
1.98106	0.03198	4.39784	8021.356
1.9813	0.03198	4.40857	8031.18
1.98151	0.03198	4.41485	8040.18
1.98166	0.03198	4.41743	8045.249
1.98176	0.03198	4.41946	8048.191
1.98185	0.03198	4.422	8050.883
1.98197	0.03198	4.42511	8054.5
1.98212	0.03198	4.42862	8059.086
1.9823	0.03198	4.4326	8065.106
1.98243	0.03198	4.43497	8069.872
1.98249	0.03198	4.43581	8071.921
1.98254	0.03198	4.43664	8073.439
1.98259	0.03198	4.43712	8074.468
1.98263	0.03198	4.43783	8075.153
1.98267	0.03198	4.43861	8075.634
1.98271	0.03198	4.43943	8076.037
1.98275	0.03198	4.44035	8076.398
1.98279	0.03198	4.44102	8076.677
1.98283	0.03198	4.44166	8076.884
1.98287	0.03198	4.44228	8077.051
1.98291	0.03198	4.44292	8077.188
1.98297	0.03198	4.44395	8077.372
1.98304	0.03198	4.4452	8077.578
1.98311	0.03198	4.44644	8077.835
1.98319	0.03198	4.44801	8078.293
1.98332	0.03198	4.4513	8079.577
1.9835	0.03198	4.45646	8082.512
1.98369	0.03198	4.46077	8086.67
1.98389	0.03198	4.46358	8091.205
1.98416	0.03198	4.46858	8098.004

11:02:07.944	-14	0.00057	0	0.00952	15.618	0.001509	13.4
11:02:08.944	-14	0.00144	0	0.00814	18.152	0.001753	15
11:02:09.944	-14	0.00248	0	0.00695	15.95	0.001541	17.9
11:02:10.944	-14	0.00215	0	0.00578	10.75	0.001039	21.4
11:02:11.944	-14	0.00147	0	0.00488	8.206	0.000793	23.9
11:02:12.944	-14	0.00076	0	0.0032	5.957	0.000576	26.9
11:02:13.944	-14.8	0.00044	0	0.00285	5.208	0.000503	28
11:02:14.944	-14.2	0.0003	0	0.00283	5.174	0.0005	29.3
11:02:15.944	-14	0.00023	0	0.00251	5.405	0.000522	29.7
11:02:16.944	-14	0.0002	0	0.00222	5.651	0.000546	30.2
11:02:17.944	-14	0.0002	0	0.00225	5.756	0.000556	30.6
11:02:18.944	-14	0.00019	0	0.00218	5.575	0.000539	31.1
11:02:19.944	-14	0.00018	0	0.00201	5.076	0.00049	31.6
11:02:20.944	-14	0.00017	0	0.00196	4.945	0.000478	32.3
11:02:21.944	-14	0.00017	0	0.00194	4.952	0.000478	32.9
11:02:22.944	-14.8	0.00018	0	0.002	5.179	0.0005	33.7
11:02:23.944	-14.2	0.00018	0	0.00202	5.167	0.000499	34.1
11:02:24.944	-14	0.00018	0	0.00203	5.16	0.000498	34.6
11:02:25.944	-14	0.00018	0	0.00202	5.118	0.000494	35
11:02:26.944	-14.8	0.00018	0	0.00208	5.281	0.00051	35.6
11:02:27.944	-15	0.00018	0	0.00251	5.44	0.000525	36.2
11:02:28.944	-15	0.00017	0	0.00261	4.952	0.000478	36.9
11:02:29.944	-15	0.00015	0	0.00222	4.264	0.000412	37.2
11:02:30.944	-15	0.00013	0	0.00184	3.86	0.000373	37.5
11:02:31.944	-15	0.00013	0	0.00206	3.839	0.000371	37.8
11:02:32.944	-15	0.00014	0.00001	0.00212	3.874	0.000374	38.2
11:02:33.944	-15	0.00014	0	0.00221	4.032	0.00039	38.2
11:02:34.944	-14.2	0.00014	0	0.00224	4.079	0.000394	38.1
11:02:35.944	-14.8	0.00015	0	0.00231	4.172	0.000403	38.2
11:02:36.944	-14.2	0.00015	0	0.0024	4.407	0.000426	38.4
11:02:37.944	-14.8	0.00016	0	0.00219	4.545	0.000439	38.6
11:02:38.944	-15	0.00016	0	0.00253	4.517	0.000436	38.8
11:02:39.944	-15	0.00015	0	0.00258	4.305	0.000416	39.1
11:02:40.944	-15	0.00014	0	0.0023	4.003	0.000387	39.4
11:02:41.944	-15	0.00013	0	0.00206	3.812	0.000368	39.4
11:02:42.944	-15	0.00014	0	0.00211	3.91	0.000378	39.5
11:02:43.944	-15	0.00014	0.00001	0.00195	4.016	0.000388	39.5
11:02:44.944	-15	0.00014	0.00001	0.00212	4.003	0.000387	39.5
11:02:45.944	-15	0.00012	0	0.00193	3.461	0.000334	39.5
11:02:46.944	-15	0.00007	0	0.00116	2.069	0.0002	39.6
11:02:47.944	-15	0.00007	0	0.0009	1.719	0.000166	39.4
11:02:48.944	-15	0.00012	0.00001	0.00071	2.412	0.000233	39.1
11:02:49.944	-15	0.00012	0.00005	0.00049	1.732	0.000168	38.5
11:02:50.944	-15	0.00011	0.00002	0.00197	1.558	0.000151	37.7
11:02:51.944	-15	0.00012	0.00006	0.00272	1.915	0.000186	37.5
11:02:52.944	-15	0.00012	0	0.00266	2.48	0.00024	37.2
11:02:53.944	-15	0.00013	0.00006	0.0023	2.834	0.000274	37.2

3.10E+00	-2.200	3.900	0.000	3.062	-4.000	190.4	114.69449	2213	15.388	78.4	322.074074	350.394849
6.90E+00	4.900	3.900	3.863	3.053	-6.800	190.4	134.98978	2452	19.572	76.5	343.428984	397.304146
1.31E+01	12.800	3.900	10.082	3.063	-5.000	190.4	126.34391	2451	22.832	76	349.818421	419.866815
1.63E+01	16.800	3.900	13.194	3.072	-6.700	190.5	85.74336	2063	25.562	73.1	346.341363	423.9904
1.50E+01	15.200	3.900	11.970	3.065	-7.200	190.9	65.83818	1894	26.747	75.3	340.355896	422.036453
1.08E+01	9.800	3.900	7.721	3.064	-5.600	191.3	46.32987	1594	27.95	79.8	330.011827	417.493001
7.00E+00	5.100	3.900	3.975	3.065	-7.400	191.7	38.66	1617	28.57	77.8	323.605366	406.533372
4.70E+00	2.100	3.900	1.644	3.067	-5.800	192.1	38.49255	1642	28.617	78.6	338.58	399.102283
3.60E+00	0.600	3.900	0.496	3.062	-7.800	192.2	39.85105	1664	29.19	79	350.2	394.495434
3.10E+00	0.000	3.900	0.000	3.057	-4.300	192.2	40.88	1692	29.81	76.8	352.075862	392.169034
3.00E+00	-0.500	3.800	0.000	2.979	-6.300	192.2	41.94917	1725	30.43	75.7	343.209812	390.775669
3.00E+00	-0.800	3.800	0.000	2.979	-6.700	192.2	42.50898	1757	30.978	76.1	340.155182	389.97009
3.00E+00	-1.200	3.800	0.000	2.981	-3.600	192.2	37.46256	1528	31.577	76.9	337.568981	387.73159
3.00E+00	-1.200	3.800	0.000	2.982	-7.600	192.6	36.82748	1537	32.29	77.6	329.75676	384.853319
3.00E+00	-1.300	3.800	0.000	2.978	-2.600	193	35.29724	1561	32.548	76.9	318.945385	382.935
3.00E+00	-1.500	3.800	0.000	2.972	-6.200	193.4	37.54747	1586	33.332	75.1	316.50479	381.040528
3.00E+00	-1.600	3.800	0.000	2.978	-2.300	193.8	37.7763	1608	33.53	74	313.146122	380.28251
3.00E+00	-1.600	3.800	0.000	2.980	-3.000	194	37.96361	1628	34.16	74.2	313.291296	379.510914
3.00E+00	-1.600	3.800	0.000	2.980	-2.100	194	36.84766	1646	34.49	74.1	312.6575	379.4
3.00E+00	-1.600	3.800	0.000	2.976	-1.600	194	38.68923	1669	34.78	75.3	313.305374	379.4
2.90E+00	-1.600	3.700	0.000	2.917	-4.400	194	39.11563	1686	35.781	75.2	314.84856	379.4
2.90E+00	-1.600	3.700	0.000	2.899	-0.500	194	39.14259	1715	35.925	69	323.311316	378.55377
2.90E+00	-1.700	3.700	0.000	2.901	-3.600	194	27.55369	1428	36.02	67.2	338.211795	375.156522
2.90E+00	-1.800	3.700	0.000	2.904	0.000	194	28.15837	1431	36.324	68.2	339.652601	369.665714
2.90E+00	-1.800	3.700	0.000	2.906	-1.400	194	29.29612	1440	36.64	68.2	338.287832	365.803064
2.90E+00	-1.900	3.700	0.000	2.906	0.400	194	29.56712	1445	36.64	68.2	330.737899	362.903583
2.90E+00	-1.900	3.700	0.000	2.906	-0.500	194	30.50833	1454	36.64	67.5	330.202981	360.8352
2.90E+00	-1.900	3.700	0.000	2.910	-2.000	194	30.7962	1454	37.114	69.3	329.622832	359.234434
2.90E+00	-1.900	3.700	0.000	2.910	-1.200	194	32.52615	1465	37.26	71.4	324.382726	359.25061
2.90E+00	-1.900	3.700	0.000	2.909	-2.600	194	34.01055	1470	37.26	71.9	321.537895	361.076601
2.90E+00	-1.900	3.700	0.000	2.905	0.000	194	34.2558	1485	37.88	72.7	320.147453	362.657353
2.90E+00	-2.000	3.700	0.000	2.902	-2.700	194	33.91379	1492	37.88	71.6	316.826792	363.707166
2.90E+00	-2.000	3.700	0.000	2.900	0.000	194	31.26529	1498	37.88	69.1	316.969498	363.9
2.90E+00	-2.000	3.700	0.000	2.900	-1.100	194	29.60754	1501	37.88	63.7	318.273513	362.152
2.90E+00	-2.000	3.700	0.000	2.903	-1.300	194	28.70526	1498	37.88	64.7	316.776715	360.338075
2.90E+00	-2.000	3.700	0.000	2.904	0.100	194	29.47891	1499	37.88	64.3	314.056124	357.915996
2.90E+00	-2.000	3.700	0.000	2.905	0.600		31.22347	1502	37.88	62.2	313.342596	356.284132
2.90E+00	-2.000	3.700	0.000	2.908	0.400		31.422	1509	38.5	62.1	314.1	355.399101
2.90E+00	-2.100	3.700	0.000	2.911	-0.900		30.82814	1509	38.5	44.7	314.878828	353.336257
2.90E+00	-2.100	3.700	0.000	2.912	0.400		14.241	1492	37.88	11.9	315.417374	339.624365
2.90E+00	-2.100	3.700	0.000	2.923	-0.300		13.07111	1466	37.26	17.7	315.351589	324.910396
3.00E+00	-2.000	3.700	0.000	2.977	0.600	193.9	28.57619	1448	36.64	27.9	314.341714	311.751292
3.00E+00	-2.000	3.700	0.000	3.019	4.500	193.5	25.73242	1429	36.341	35.4	314.558065	304.301079
3.00E+00	-2.100	3.700	0.000	3.028	1.400	193.1	24.93913	1417	36.02	42.9	314.235313	300.46674
3.00E+00	-2.200	3.700	0.000	3.004	5.500	192.8	24.83691	1413	36.02	48.9	314.311273	300.869407
3.00E+00	-2.200	3.700	0.000	2.976	0.000	192.4	25.50367	1409	36.02	51.7	314.488889	302.435872
3.00E+00	-2.200	3.700	0.000	2.955	4.300	192.2	27.13167	1411	36.02	54.1	314.480769	305.314851

1.98473	0.03198	4.4781	8113.622
1.98617	0.03198	4.48624	8131.774
1.98865	0.03198	4.49319	8147.724
1.9908	0.03198	4.49897	8158.474
1.99227	0.03198	4.50385	8166.68
1.99303	0.03198	4.50705	8172.637
1.99347	0.03198	4.5099	8177.845
1.99377	0.03198	4.51273	8183.019
1.994	0.03198	4.51524	8188.424
1.9942	0.03198	4.51746	8194.075
1.9944	0.03198	4.51971	8199.831
1.99459	0.03198	4.52189	8205.406
1.99477	0.03198	4.5239	8210.482
1.99494	0.03198	4.52586	8215.427
1.99511	0.03198	4.5278	8220.379
1.99529	0.03198	4.5298	8225.558
1.99547	0.03198	4.53182	8230.725
1.99565	0.03198	4.53385	8235.885
1.99583	0.03198	4.53587	8241.003
1.99601	0.03198	4.53795	8246.284
1.99619	0.03198	4.54046	8251.724
1.99636	0.03198	4.54307	8256.676
1.99651	0.03198	4.54529	8260.94
1.99664	0.03198	4.54713	8264.8
1.99677	0.03198	4.54919	8268.639
1.99691	0.03199	4.55131	8272.513
1.99705	0.03199	4.55352	8276.545
1.99719	0.03199	4.55576	8280.624
1.99734	0.03199	4.55807	8284.796
1.99749	0.03199	4.56047	8289.203
1.99765	0.03199	4.56266	8293.748
1.99781	0.03199	4.56519	8298.265
1.99796	0.03199	4.56777	8302.57
1.9981	0.03199	4.57007	8306.573
1.99823	0.03199	4.57213	8310.385
1.99837	0.03199	4.57424	8314.295
1.99851	0.032	4.57619	8318.311
1.99865	0.03201	4.57831	8322.314
1.99877	0.03201	4.58024	8325.775
1.99884	0.03201	4.5814	8327.844
1.99891	0.03201	4.5823	8329.563
1.99903	0.03202	4.58301	8331.975
1.99915	0.03207	4.5835	8333.707
1.99926	0.03209	4.58547	8335.265
1.99938	0.03215	4.58819	8337.18
1.9995	0.03215	4.59085	8339.66
1.99963	0.03221	4.59315	8342.494

11:02:54.944	-15	0.00012	0.00003	0.00263	2.955	0.000286	37.2
11:02:55.944	-15	0.00008	0.00002	0.00153	2.073	0.000201	37.1
11:02:56.944	-15	0.00007	0.00002	0.00114	1.577	0.000153	36.9
11:02:57.944	-15	0.00006	0.00001	0.00111	1.349	0.000131	36.5
11:02:58.944	-15	0.00006	0.00003	0.00082	1.049	0.000102	36
11:02:59.944	-15	0.00005	0	0.00039	0.696	0.000067	35.3
11:03:00.944	-15	0.00005	0.00001	0.00068	0.455	0.000044	34.5
11:03:01.944	-15	0.00005	0	0.00048	0.295	0.000029	33.4
11:03:02.944	-15	0.00005	0.00001	0.00064	0.215	0.000021	32
11:03:03.944	-15	0.00005	0	0.0008	0.178	0.000017	29.5
11:03:04.944	-15	0.00005	0	0.00081	0.161	0.000016	26.4
11:03:05.944	-15	0.00005	0	0.0007	0.142	0.000014	23.9
11:03:06.944	-15	0.00006	0	0.00098	0.184	0.000018	20.9
11:03:07.944	-15	0.00008	0	0.0007	0.204	0.00002	17.1
11:03:08.944	-15	0.00008	0	0.00081	0.217	0.000021	12.4
11:03:09.944	-15	0.00008	0	0.00115	0.292	0.000028	11
11:03:10.944	-15	0.00007	0	0.00124	0.366	0.000036	9.2
11:03:11.944	-15	0.00007	0	0.00103	0.415	0.00004	8.1
11:03:12.944	-15	0.00007	0	0.00104	0.489	0.000047	6.8
11:03:13.944	-15	0.00008	0	0.00163	0.685	0.000067	3.7
11:03:14.944	-15	0.00012	0	0.00304	1.459	0.000142	0
11:03:15.944	-15	0.00021	0	0.00629	3.77	0.000365	1.6
11:03:16.944	-15	0.00027	0	0.00717	6.541	0.000633	3.5
11:03:17.944	-15	0.00024	0	0.0041	6.245	0.000604	6.3
11:03:18.944	-15	0.00022	0	0.00303	5.772	0.000558	9.7
11:03:19.944	-15	0.00043	0	0.00659	12.089	0.001168	11.2
11:03:20.944	-15	0.00062	0	0.01116	18.679	0.001804	13
11:03:21.944	-15	0.00537	0	0.01528	26.834	0.002592	15.7
11:03:22.944	-15	0.01321	0	0.01508	27.829	0.002688	19
11:03:23.944	-15	0.01983	0	0.01534	25.652	0.002479	23.9
11:03:24.944	-15	0.01956	0	0.01241	20.459	0.001977	29.8
11:03:25.944	-15	0.01633	0	0.01033	17.167	0.001659	33.6
11:03:26.944	-15	0.01139	0	0.00857	14.387	0.00139	38.2
11:03:27.944	-14.2	0.00691	0	0.00675	11.991	0.001159	40.2
11:03:28.944	-14.8	0.00382	0	0.00525	9.421	0.00091	42.7
11:03:29.944	-15	0.00229	0	0.00489	8.616	0.000832	43.7
11:03:30.944	-14.2	0.00174	0	0.00521	11.013	0.001063	45
11:03:31.944	-14	0.00132	0	0.00375	11.91	0.001149	45.7
11:03:32.944	-14	0.00111	0	0.00345	11.742	0.001133	46.6
11:03:33.944	-14	0.00091	0	0.00382	10.359	0.001	47.5
11:03:34.944	-14	0.00074	0	0.00383	8.784	0.000848	48.7
11:03:35.944	-14	0.00054	0	0.00315	6.781	0.000655	49.4
11:03:36.944	-14	0.00032	0	0.00264	5.224	0.000505	50.3
11:03:37.944	-14	0.00017	0	0.0016	3.484	0.000337	50.4
11:03:38.944	-14	0.00013	0	0.00105	2.708	0.000262	50.6
11:03:39.944	-14	0.00011	0	0.00122	2.531	0.000245	50.3
11:03:40.944	-14	0.00012	0	0.00168	2.946	0.000285	49.9

2.90E+00	-2.200	3.700	0.000	2.942	2.400	192.2	26.74795	1408	35.99	49.1	314.208077	306.8
2.90E+00	-2.200	3.700	0.000	2.938	2.000	192.2	17.64735	1388	35.4	20.2	313.885282	304.448023
2.90E+00	-2.000	3.700	0.000	2.941	2.900	192.2	12.25441	1375	34.78	1.9	307.602396	292.09967
3.00E+00	-2.000	3.700	0.000	2.954	1.900	192.2	12.02916	1342	34.16	0	305.911324	282.197637
3.00E+00	-2.000	3.700	0.000	2.986	4.400	192.2	11.57065	1312	33.53	0	301.898944	273.435248
3.00E+00	-2.100	3.700	0.000	3.033	0.300	192.2	11.25789	1283	32.452	0	297.926087	265.55
3.10E+00	-2.100	3.700	0.000	3.069	2.600	192.2	10.82052	1238	31.308	0	294.84739	258.545057
3.10E+00	-2.100	3.700	0.000	3.093	-1.300	192.2	10.05934	1134	28.593	0.5	299.18071	252.450761
3.10E+00	-2.200	3.700	0.000	3.107	2.200		9.42264	1045	25.565	6.3	296.758101	247.743081
3.10E+00	-2.200	3.700	0.000	3.116	-2.600		9.86657	1123	23.65	0	294.259152	242.888
3.10E+00	-2.200	3.700	0.000	3.119	-6.200		10.27231	1179	20.669	0.3	291.92037	238.570617
3.10E+00	-2.200	3.700	0.000	3.121	-2.400		9.04924	988	16.894	10.7	290.31976	235.083146
3.10E+00	-2.200	3.700	0.000	3.123	-5.600		11.64564	880	12.602	18.9	290.191171	231.867465
3.10E+00	-2.200	3.700	0.000	3.126	-2.000	190.4	16.75327	880	9.987	12.4	289.25239	228.7144
3.10E+00	-2.200	3.600	0.000	3.062	-4.500	190.4	16.3985	810	8.736	17.8	288.232061	225.46044
3.00E+00	-2.200	3.600	0.000	3.032	-1.000	190.4	16.58197	804	8.07	20.5	288.431929	222.88129
3.00E+00	-2.200	3.600	0.000	3.023	-3.000	190.4	15.27775	803	6.9	27.6	302.286777	221.679104
3.00E+00	-2.200	3.600	0.000	3.016	-4.600	190.4	15.74169	802	3.359	37.7	303.439535	224.386
3.00E+00	-2.200	3.600	0.000	3.008	-2.900	190.4	15.93146	794	1.493	41.4	304.648077	228.656
3.00E+00	-2.200	3.600	0.000	2.990	-6.100	190.4	17.11008	786	0.802	45.8	305.263148	233.133333
3.00E+00	-2.200	3.600	0.000	2.959	-5.000	190.4	28.15977	1166	2.227	68.4	305.953846	241.4136
2.90E+00	-2.200	3.600	0.000	2.915	-6.800	190.4	44.31824	1555	4.979	71.9	308.78244	260.542378
2.90E+00	-2.100	3.700	0.000	2.941	-4.800	190.4	56.93337	1876	7.863	71.8	312.87395	287.704196
2.90E+00	-2.100	3.700	0.000	2.928	-6.100	190.4	51.41327	1812	9.725	71.1	316.992308	304.347856
2.90E+00	-2.000	3.700	0.000	2.926	-4.900	190.4	35.26359	1639	11.39	79	320.397727	315.821781
2.90E+00	-2.000	3.700	0.000	2.910	-4.200	190.4	95.40529	2154	13.764	89.1	322.279167	340.306881
2.90E+00	-0.300	3.700	0.000	2.893	-8.700	190.4	132.26198	2447	17.428	78.2	325.325743	384.039394
1.78E+01	19.100	3.700	14.892	2.889	-6.700	190.4	201.97584	2820	23.107	86.3	339.647368	449.483437
4.12E+01	48.900	3.700	38.300	2.896	-9.400	190.4	209.82391	2872	27.998	85.9	385.495244	486.498708
6.56E+01	79.800	3.900	62.604	3.038	-5.300	190.4	214.57282	2801	32.572	86.2	391.708842	502.176331
8.01E+01	97.800	4.300	76.737	3.368	-8.000	190.4	174.29111	2607	36.472	82.1	393.483333	505.642623
8.03E+01	97.500	4.800	76.519	3.744	-6.300	190.4	130.44946	2230	39.092	81.8	404.122929	494.271111
6.75E+01	81.100	5.000	63.564	3.897	-7.000	190.4	111.1861	2253	41.078	74.6	401.951948	484.709804
4.90E+01	57.400	5.000	45.052	3.924	-7.300	191.1	90.60513	2033	42.562	74	398.2	473.647059
3.43E+01	38.700	5.000	30.384	3.923	-3.900	191.8	72.57974	1903	43.219	76.6	382.575115	467.502439
2.33E+01	24.800	4.900	19.400	3.852	-9.000	192.5	61.55875	1737	44.09	74.3	371.302424	463.922449
1.49E+01	14.200	4.900	11.056	3.811	-4.400	193.3	74.94092	1767	44.71	80.7	368.326923	469.167327
1.07E+01	8.800	4.900	6.865	3.802	-8.200	194	78.96442	1805	45.838	75.7	377.266038	475.902721
9.00E+00	6.800	4.800	5.296	3.730	-4.600	194.4	77.16354	1843	46.58	76.9	366.814587	476.616576
8.10E+00	5.700	4.600	4.462	3.606	-6.200	194.7	70.68524	1880	47.785	77.5	370.951563	474.344199
7.60E+00	5.200	4.400	4.099	3.455	-7.000	195.1	65.18554	1901	48.44	74.8	374.018889	470.274184
7.00E+00	4.500	4.300	3.563	3.388	-4.700	195.5	48.80363	1589	49.06	79.3	370.679271	462.4583
5.40E+00	2.600	4.200	2.067	3.303	-6.400	195.8	40.80266	1584	49.06	78.6	368.956554	452.485602
4.40E+00	1.500	4.100	1.158	3.211	-5.400	196.2	25.37254	1476	48.44	50.8	356.486312	437.348387
3.90E+00	0.900	4.100	0.688	3.228	-6.400	196.6	20.52053	1304	48.44	58.1	352.593333	422.967195
3.50E+00	0.400	4.000	0.279	3.186	-2.900	197	21.59424	1294	47.82	60.6	346.118523	410.817137
3.20E+00	0.000	4.000	0.022	3.158	-1.800	197.3	24.13763	1283	47.687	58	342.211058	400.304063

1.99975	0.03224	4.59578	8345.449
1.99983	0.03226	4.59731	8347.522
1.9999	0.03228	4.59845	8349.099
1.99996	0.03229	4.59956	8350.448
2.00002	0.03232	4.60038	8351.497
2.00007	0.03232	4.60077	8352.193
2.00012	0.03233	4.60145	8352.648
2.00017	0.03233	4.60193	8352.943
2.00022	0.03234	4.60257	8353.158
2.00027	0.03234	4.60337	8353.336
2.00032	0.03234	4.60418	8353.497
2.00037	0.03234	4.60488	8353.639
2.00043	0.03234	4.60586	8353.823
2.00051	0.03234	4.60656	8354.027
2.00059	0.03234	4.60737	8354.244
2.00067	0.03234	4.60852	8354.536
2.00074	0.03234	4.60976	8354.902
2.00081	0.03234	4.61079	8355.317
2.00088	0.03234	4.61183	8355.806
2.00096	0.03234	4.61346	8356.491
2.00108	0.03234	4.6165	8357.95
2.00129	0.03234	4.62279	8361.72
2.00156	0.03234	4.62996	8368.261
2.0018	0.03234	4.63406	8374.506
2.00202	0.03234	4.63709	8380.278
2.00245	0.03234	4.64368	8392.367
2.00307	0.03234	4.65484	8411.046
2.00844	0.03234	4.67012	8437.88
2.02165	0.03234	4.6852	8465.709
2.04148	0.03234	4.70054	8491.361
2.06104	0.03234	4.71295	8511.82
2.07737	0.03234	4.72328	8528.987
2.08876	0.03234	4.73185	8543.374
2.09567	0.03234	4.7386	8555.365
2.09949	0.03234	4.74385	8564.786
2.10178	0.03234	4.74874	8573.402
2.10352	0.03234	4.75395	8584.415
2.10484	0.03234	4.7577	8596.325
2.10595	0.03234	4.76115	8608.067
2.10686	0.03234	4.76497	8618.426
2.1076	0.03234	4.7688	8627.21
2.10814	0.03234	4.77195	8633.991
2.10846	0.03234	4.77459	8639.215
2.10863	0.03234	4.77619	8642.699
2.10876	0.03234	4.77724	8645.407
2.10887	0.03234	4.77846	8647.938
2.10899	0.03234	4.78014	8650.884

11:03:41.944	-14	0.00012	0.00001	0.00168	3.211	0.00031	49.5
11:03:42.944	-14	0.00012	0.00003	0.00138	3.377	0.000326	49.1
11:03:43.944	-14	0.00012	0	0.00155	3.375	0.000326	48.9
11:03:44.944	-14	0.00012	0	0.00148	3.572	0.000345	48.7
11:03:45.944	-14	0.00013	0	0.00145	3.719	0.000359	48.5
11:03:46.944	-14	0.00013	0	0.00144	3.667	0.000354	48.3
11:03:47.944	-14	0.00013	0	0.00147	3.589	0.000347	48.3
11:03:48.944	-14	0.00013	0	0.00166	3.576	0.000345	48.3
11:03:49.944	-14	0.00014	0	0.00189	4.112	0.000397	48.2
11:03:50.944	-14	0.00017	0	0.0022	5.042	0.000487	48
11:03:51.944	-14	0.00018	0	0.0022	5.852	0.000565	48
11:03:52.944	-14	0.00018	0	0.00219	5.984	0.000578	48
11:03:53.944	-14	0.00018	0	0.0024	5.917	0.000571	48.1
11:03:54.944	-14	0.00018	0	0.00238	5.803	0.00056	48.3
11:03:55.944	-14	0.00017	0	0.0023	5.592	0.00054	48.3
11:03:56.944	-14	0.00016	0	0.00225	5.535	0.000534	48.3
11:03:57.944	-14	0.00016	0	0.00205	5.597	0.00054	48.3
11:03:58.944	-14	0.00015	0	0.00192	5.763	0.000556	48.4
11:03:59.944	-14	0.00015	0	0.00191	5.733	0.000553	48.6
11:04:00.944	-14	0.00015	0	0.00191	5.691	0.000549	48.8
11:04:01.944	-14	0.00015	0	0.00217	5.656	0.000546	48.8
11:04:02.944	-14	0.00015	0	0.0022	5.596	0.00054	48.7
11:04:03.944	-14	0.00015	0	0.00202	5.573	0.000538	48.4
11:04:04.944	-14	0.00014	0	0.00173	5.14	0.000496	48.1
11:04:05.944	-14	0.0001	0	0.00135	3.653	0.000353	47.8
11:04:06.944	-14	0.00009	0	0.00156	3.142	0.000303	47.5
11:04:07.944	-14	0.00008	0	0.0016	2.827	0.000273	47
11:04:08.944	-14	0.00008	0	0.00096	2.464	0.000238	46.3
11:04:09.944	-14	0.00008	0	0.00024	1.924	0.000186	45.5
11:04:10.944	-14	0.00007	0	0.00029	1.28	0.000124	44.5
11:04:11.944	-14	0.00007	0	0.00109	1.042	0.000101	43.8
11:04:12.944	-14	0.00007	0	0.00159	1.194	0.000116	43
11:04:13.944	-14	0.00009	0	0.00171	1.415	0.000137	42.1
11:04:14.944	-14	0.00009	0	0.00119	1.141	0.000111	40.9
11:04:15.944	-14	0.00009	0	0.00116	1.084	0.000105	40.3
11:04:16.944	-14	0.00009	0	0.00179	1.514	0.000147	39.5
11:04:17.944	-14	0.00009	0	0.0023	1.875	0.000182	39.1
11:04:18.944	-14	0.00008	0	0.00151	1.86	0.00018	38.6
11:04:19.944	-14	0.00007	0	0.00118	1.665	0.000161	37.9
11:04:20.944	-14	0.00008	0	0.0011	1.494	0.000145	37.1
11:04:21.944	-14	0.00008	0	0.00143	1.297	0.000126	36.3
11:04:22.944	-14	0.00005	0	0.00117	0.926	0.00009	35.4
11:04:23.944	-14	0.00005	0	0.00098	1.043	0.000101	34.7
11:04:24.944	-14	0.00004	0	0.00067	1.062	0.000103	33.9
11:04:25.944	-14	0.00004	0	0.00058	0.936	0.000091	32
11:04:26.944	-14	0.00004	0	0.00039	0.718	0.00007	29.7
11:04:27.944	-14	0.00004	0	0.00029	0.478	0.000046	27.7

3.10E+00	-0.400	3.900	0.000	3.068	1.200		24.5215	1275	47.2	62.8	335.105588	392.583969
3.10E+00	-0.700	3.900	0.000	3.067	2.300		26.40536	1268	47.2	67.5	336.273845	388.726563
3.00E+00	-0.800	3.800	0.000	3.005	-2.600		25.88263	1264	47.003	67.7	336.573258	385.687929
3.00E+00	-0.900	3.800	0.000	2.981	-0.500		26.054	1258	46.58	67.6	336.271589	383.14299
3.00E+00	-1.000	3.800	0.000	2.979	-3.800		27.35009	1255	46.58	64.7	337.35666	380.166864
3.00E+00	-1.100	3.800	0.000	2.980	-1.200		26.95	1255	46.58	65	336.592271	378.2645
3.00E+00	-1.200	3.800	0.000	2.984	-3.500		26.6649	1254	46.58	66.1	337.078244	376.167562
3.00E+00	-1.300	3.800	0.000	2.985	-2.500		26.74539	1252	46.58	67.4	338.173846	375.005534
3.00E+00	-1.300	3.800	0.000	2.981	-2.200		29.2345	1255	46.58	72.3	337.339937	374.8
3.00E+00	-1.300	3.800	0.000	2.968	-5.500		37.74524	1255	46.58	79.3	338.15	382.538063
2.90E+00	-1.300	3.800	0.000	2.949	-1.800	195.8	37.86662	1260	46.58	78.4	340.928096	391.24789
2.90E+00	-1.300	3.800	0.000	2.949	-6.500	195.8	37.36755	1264	46.749	78.5	344.49176	397.397062
2.90E+00	-1.300	3.800	0.000	2.950	-3.400	195.8	37.19603	1264	47.2	78.8	342.289401	402.038194
3.00E+00	-1.500	3.800	0.000	2.952	-7.300	195.8	37.162	1265	47.2	79.2	342.34895	406.067015
2.80E+00	-1.500	3.600	0.000	2.817	-5.000	195.8	36.47343	1268	47.2	80.9	343.148557	410.869772
2.80E+00	-1.600	3.600	0.000	2.795	-5.600	196	35.86547	1267	46.58	82.4	351.681026	416.310811
2.80E+00	-1.600	3.600	0.000	2.787	-7.100	196.3	35.37306	1263	47.2	82.2	357.48247	421.482069
2.60E+00	-1.600	3.400	0.000	2.628	-5.200	196.7	36.24	1271	47.2	81.9	356.676423	423.807771
2.60E+00	-1.600	3.400	0.000	2.628	-7.600	197.1	35.42694	1269	47.2	82.2	360.036327	425.465753
2.60E+00	-1.600	3.400	0.000	2.630	-4.000	197.4	35.95738	1270	47.2	81.9	358.519792	426.358039
2.60E+00	-1.600	3.400	0.000	2.630	-6.500	197.6	36.05501	1264	47.2	81.2	358.362627	428.836561
2.60E+00	-1.500	3.400	0.000	2.630	-0.800	197.6	35.59593	1261	46.58	81.4	365.623382	429.6
2.60E+00	-1.600	3.400	0.000	2.630	-3.700	197.6	35.45185	1252	46.58	81.6	380.371429	429.6
2.60E+00	-1.600	3.400	0.000	2.630	-5.600	197.6	31.20094	1239	45.95	68.9	384.782077	427.150933
2.60E+00	-1.500	3.400	0.000	2.638	-3.800	197.6	24.22499	1226	45.741	72.5	378.930986	419.5258
2.70E+00	-1.500	3.400	0.000	2.653	-7.200	197.6	22.14559	1208	44.853	61.7	372.069846	409.356044
2.60E+00	-1.500	3.300	0.000	2.583	-2.300	197.6	20.13857	1184	44.09	11.6	367.298983	392.512903
2.60E+00	-1.500	3.300	0.000	2.599	-4.000	197.6	18.04527	1160	42.983	22	359.063544	372.16047
2.60E+00	-1.500	3.300	0.000	2.637	-1.600	197.6	17.6614	1142	42.376	37.5	351.236458	356.00119
2.70E+00	-1.500	3.300	0.000	2.690	-3.000	197.6	17.73951	1123	41.61	36.6	346.532286	344.37
2.70E+00	-1.500	3.300	0.000	2.702	-3.700	197.2	16.40559	1099	40.552	11.8	342.185171	333.087757
2.70E+00	-1.500	3.300	0.000	2.697	-2.500	196.9	12.58023	1282	39.74	4.5	336.437731	320.90495
2.70E+00	-1.500	3.300	0.000	2.707	-6.400	196.5	22.47833	1271	39.055	28.3	336.822025	310.745455
2.70E+00	-1.500	3.300	0.000	2.724	-2.500	196.1	21.2346	1242	38.457	36.2	335.199065	307.059158
2.60E+00	-1.500	3.200	0.000	2.643	-6.700	195.7	21.76356	1227	37.88	50.6	337.311154	308.810776
2.60E+00	-1.600	3.200	0.000	2.613	-2.600	195.4	21.92611	1212	37.26	48.6	337.321321	311.227424
2.70E+00	-1.600	3.300	0.000	2.661	-5.200	195	21.29152	1193	36.64	34.1	337.253056	309.986569
2.60E+00	-1.600	3.300	0.000	2.645	-2.400	194.6	17.38603	1166	35.91	17.1	336.83264	302.630903
2.70E+00	-1.600	3.300	0.000	2.656	-1.700	194.3	17.1936	1141	35.167	36.4	339.841522	295.378035
2.70E+00	-1.600	3.300	0.000	2.682	-2.800	193.9	18.63575	1224	34.377	52.8	337.967742	293.468989
2.70E+00	-1.600	3.300	0.000	2.701	-1.000	193.5	23.60333	1319	33.53	50.6	336.872779	297.401879
2.70E+00	-1.600	3.300	0.000	2.692	-6.200	193.1	12.26391	1290	32.746	0.6	336.418981	292.947358
2.60E+00	-1.600	3.200	0.000	2.600	-2.200	192.8	11.44828	1226	30.986	0	340.726579	284.010513
2.60E+00	-1.600	3.200	0.000	2.566	-3.800	192.4	10.32357	1137	28.705	0.4	336.100208	277.177097
2.60E+00	-1.600	3.200	0.000	2.581	0.000	192.2	9.97246	1073	27.484	0.4	336.730303	270.430822
2.60E+00	-1.600	3.200	0.000	2.616	-0.400	192.2	10.39128	1179	24.427	0.4	328.517051	264.531504
2.60E+00	-1.600	3.100	0.000	2.592	-0.800	192.2	9.96834	1137	21.689	0.3	317.856538	259.255395

2.10911	0.03235	4.78182	8654.095
2.10923	0.03238	4.7832	8657.472
2.10935	0.03238	4.78475	8660.847
2.10947	0.03238	4.78623	8664.419
2.1096	0.03238	4.78768	8668.138
2.10973	0.03238	4.78912	8671.805
2.10986	0.03238	4.79059	8675.394
2.10999	0.03238	4.79225	8678.97
2.11013	0.03238	4.79414	8683.082
2.1103	0.03238	4.79634	8688.124
2.11048	0.03238	4.79854	8693.976
2.11066	0.03238	4.80073	8699.96
2.11084	0.03238	4.80313	8705.877
2.11102	0.03238	4.80551	8711.68
2.11119	0.03238	4.80781	8717.272
2.11135	0.03238	4.81006	8722.807
2.11151	0.03238	4.81211	8728.404
2.11166	0.03238	4.81403	8734.167
2.11181	0.03238	4.81594	8739.9
2.11196	0.03238	4.81785	8745.591
2.11211	0.03238	4.82002	8751.247
2.11226	0.03238	4.82222	8756.843
2.11241	0.03238	4.82424	8762.416
2.11255	0.03238	4.82597	8767.556
2.11265	0.03238	4.82732	8771.209
2.11274	0.03238	4.82888	8774.351
2.11282	0.03238	4.83048	8777.178
2.1129	0.03238	4.83144	8779.642
2.11298	0.03238	4.83168	8781.566
2.11305	0.03238	4.83197	8782.846
2.11312	0.03238	4.83306	8783.888
2.11319	0.03238	4.83465	8785.082
2.11328	0.03238	4.83636	8786.497
2.11337	0.03238	4.83755	8787.638
2.11346	0.03238	4.83871	8788.722
2.11355	0.03238	4.8405	8790.236
2.11364	0.03238	4.8428	8792.111
2.11372	0.03238	4.84431	8793.971
2.11379	0.03238	4.84549	8795.636
2.11387	0.03238	4.84659	8797.13
2.11395	0.03238	4.84802	8798.427
2.114	0.03238	4.84919	8799.353
2.11405	0.03238	4.85017	8800.396
2.11409	0.03238	4.85084	8801.458
2.11413	0.03238	4.85142	8802.394
2.11417	0.03238	4.85181	8803.112
2.11421	0.03238	4.8521	8803.59

11:04:28.944	-14	0.00004	0	0.00044	0.303	0.000029	25.2
11:04:29.944	-14	0.00004	0	0.00074	0.224	0.000022	22.8
11:04:30.944	-14	0.00004	0	0.00075	0.186	0.000018	20
11:04:31.944	-14	0.00005	0	0.00113	0.213	0.000021	17.9
11:04:32.944	-14	0.00006	0	0.00121	0.208	0.00002	15.4
11:04:33.944	-14	0.00006	0	0.00104	0.191	0.000019	13.2
11:04:34.944	-14	0.00006	0	0.00094	0.238	0.000023	10.5
11:04:35.944	-14	0.00006	0	0.00094	0.303	0.000029	7.6
11:04:36.944	-14	0.00006	0	0.0013	0.448	0.000044	4.1
11:04:37.944	-14	0.00006	0	0.00116	0.661	0.000064	2.3
11:04:38.944	-14	0.00006	0	0.00133	0.876	0.000085	0
11:04:39.944	-14	0.00006	0	0.00115	1.031	0.0001	0
11:04:40.944	-14	0.00006	0	0.00091	1.093	0.000106	0
11:04:41.944	-14	0.00006	0	0.00099	1.129	0.000109	0
11:04:42.944	-14	0.00006	0	0.00087	1.138	0.00011	0
11:04:43.944	-14	0.00006	0	0.00087	1.147	0.000111	0
11:04:44.944	-14	0.00006	0	0.00105	1.258	0.000122	0
11:04:45.944	-14	0.00007	0	0.00115	1.351	0.000131	0
11:04:46.944	-14	0.00006	0	0.00116	1.322	0.000128	0
11:04:47.944	-14	0.00006	0	0.00121	1.367	0.000132	1
11:04:48.944	-14	0.00006	0	0.00107	1.367	0.000132	2.2
11:04:49.944	-14	0.00006	0	0.00106	1.307	0.000127	2.5
11:04:50.944	-14	0.00006	0	0.00115	1.235	0.00012	2.8
11:04:51.944	-14	0.00006	0	0.00127	1.209	0.000117	2.8
11:04:52.944	-14	0.00006	0	0.00138	1.225	0.000119	2.9
11:04:53.944	-14	0.00007	0	0.00163	1.427	0.000138	2.9
11:04:54.944	-14	0.00012	0	0.00263	2.565	0.000248	3
11:04:55.944	-14	0.00019	0	0.00525	5.095	0.000493	4.1
11:04:56.944	-14	0.00017	0	0.00387	5.398	0.000522	5.5
11:04:57.944	-14	0.00015	0	0.00273	4.795	0.000464	7.7
11:04:58.944	-14	0.00018	0	0.00321	5.784	0.000559	10.4
11:04:59.944	-14	0.00036	0	0.00669	13.384	0.001293	12.2
11:05:00.944	-14	0.00065	0	0.00657	17.125	0.001654	14.3
11:05:01.944	-14	0.00166	0	0.00638	16.745	0.001617	17.4
11:05:02.944	-14	0.00226	0	0.00635	15.047	0.001453	21.2
11:05:03.944	-14	0.00235	0	0.00576	14.145	0.001366	24.9
11:05:04.944	-14	0.00229	0	0.00512	14.048	0.001356	29.5
11:05:05.944	-14	0.00249	0	0.00561	15.464	0.001493	32.1
11:05:06.944	-14	0.00241	0	0.00556	14.829	0.001432	35.4
11:05:07.944	-14	0.00177	0	0.00478	10.746	0.001038	37.7
11:05:08.944	-14	0.00099	0	0.00317	6.604	0.000638	40.5
11:05:09.944	-14	0.00066	0	0.00305	5.387	0.000521	41.8
11:05:10.944	-14	0.00046	0	0.00324	5.779	0.000558	43.5
11:05:11.944	-14	0.00037	0	0.00264	6.254	0.000604	43.9
11:05:12.944	-14	0.00026	0.00001	0.00177	5.633	0.000544	44.5
11:05:13.944	-14	0.00019	0	0.00157	4.859	0.000469	45
11:05:14.944	-14	0.00016	0.00001	0.0019	4.549	0.000439	45.6

2.50E+00	-1.600	3.000	0.000	2.531	-1.500	192.2	10.16098	1122	19.509	1.2	305.143625	254.117391
2.50E+00	-1.600	3.000	0.000	2.523	-4.000	192.2	9.30479	1058	16.91	1.6	302.443763	249.709812
2.50E+00	-1.700	3.000	0.000	2.529	-1.200		9.90277	1117	15.06	1.6	301.663797	245.552295
2.40E+00	-1.700	2.900	0.000	2.449	-5.700		18.41844	962	12.583	7.1	299.682046	242.413919
2.50E+00	-1.700	2.900	0.000	2.452	-2.000		14.0677	943	10.113	11.4	301.038283	238.816751
2.50E+00	-1.700	2.900	0.000	2.453	-2.200		14.13558	811	7.629	22.6	296.360692	235.183846
2.40E+00	-1.700	2.900	0.000	2.449	-2.800		15.30125	799	4.43	30.8	300.013278	235.112148
2.40E+00	-1.700	2.900	0.000	2.443	-0.400	191.9	15.3868	789	2.132	40.1	294.377156	238.965513
2.40E+00	-1.700	2.900	0.000	2.429	-4.800	191.5	15.88447	790	0.627	38.9	311.510653	243.049565
2.40E+00	-1.600	2.900	0.000	2.409	-1.500	191.1	15.41055	779	0	39.3	312.390411	245.973711
2.40E+00	-1.600	2.900	0.000	2.388	-4.800	190.8	15.30473	775	0	40.4	312.074528	248.514118
2.40E+00	-1.600	2.900	0.000	2.375	-2.100	190.4	15.68771	780	0	40	311.115501	250.387843
2.40E+00	-1.600	2.900	0.000	2.370	-4.500	190.4	15.38533	777	0	40	312.073869	251.764544
2.40E+00	-1.500	2.900	0.000	2.367	-2.900	190.4	15.52083	777	0	40.6	323.635067	253.166667
2.40E+00	-1.500	2.900	0.000	2.366	-2.600	190.4	15.5645	778	0	39.9	332.725641	253.6
2.40E+00	-1.500	2.900	0.000	2.365	-5.400	190.4	15.71914	781	0	40.9	333.913043	254.233846
2.40E+00	-1.500	2.900	0.000	2.364	-0.400	190.4	16.29643	822	0	44.9	326.067442	254.3
2.40E+00	-1.600	2.900	0.000	2.362	-5.000	190.4	18.41012	928	0.627	41.6	320.909388	257.155025
2.40E+00	-1.600	2.900	0.000	2.360	-3.200	190.4	16.9364	812	1.855	37.2	321.427443	257.690682
2.40E+00	-1.600	2.900	0.000	2.354	-4.400	190.4	16.62997	774	1.86	37.9	304.144615	256.350605
2.40E+00	-1.600	2.900	0.000	2.353	-3.800	190.4	16.49728	778	2.48	38.3	304.472144	255.57669
2.40E+00	-1.600	2.900	0.000	2.357	-4.100	190.4	16.29163	784	2.48	38.1	305.075676	254.818824
2.40E+00	-1.600	2.900	0.000	2.362	-4.100	190.4	16.12126	777	2.48	37.2	306.695382	253.959657
2.40E+00	-1.600	2.900	0.000	2.364	-1.700	190.4	16.36577	776	2.48	36.5	298.832294	252.726658
2.40E+00	-1.600	2.900	0.000	2.365	-6.600	190.4	16.31831	775	2.48	37.9	314.971154	251.909249
2.40E+00	-1.500	2.900	0.000	2.366	-1.700	190.4	19.34038	951	3.11	56.8	322.238752	253.362418
2.40E+00	-1.600	2.900	0.000	2.355	-4.900	190.4	31.80019	1349	4.174	75.7	328.879661	261.503909
2.30E+00	-1.600	2.900	0.000	2.325	-3.500	190.4	45.14577	1679	7.018	71.2	329.223757	280.323258
2.30E+00	-1.500	2.900	0.000	2.301	-5.400	190.4	47.6314	1766	9.028	67.5	337.577789	296.165843
2.30E+00	-1.300	2.900	0.000	2.299	-7.400	190.4	34.61854	1575	10.92	67.6	338.103125	302.742553
2.30E+00	-1.300	2.900	0.000	2.299	-3.800	190.4	41.088	1705	12.823	76.5	335.53	311.852666
2.30E+00	-1.200	3.000	0.000	2.333	-7.600	190.4	89.1238	2172	15.519	78.3	337.554167	334.307905
3.40E+00	1.300	3.000	1.025	2.347	-6.400	190.4	123.952	2383	19.75	75.8	346.60051	386.567007
8.80E+00	8.200	3.000	6.427	2.347	-8.500	190.4	123.94203	2443	23.626	76.8	354.335625	411.950549
1.33E+01	14.100	3.000	10.996	2.346	-4.400	190.4	110.66763	2174	27.668	79.2	359.656875	429.325175
1.49E+01	16.100	3.000	12.541	2.344	-5.100	190.7	107.52242	2108	30.777	79.2	360.994363	441.029341
1.50E+01	16.300	3.000	12.703	2.338	-5.200	191	95.32655	1926	33.759	80.1	360.16625	445.938976
1.49E+01	16.100	3.100	12.505	2.415	-3.600	191.4	104.41973	2075	36.211	78.5	357.518182	453.683096
1.46E+01	15.600	3.100	12.170	2.421	-7.100	191.7	107.38248	2182	38.731	75.7	360.340167	456.707808
1.42E+01	15.000	3.100	11.760	2.430	-2.300	192.1	81.96276	1965	40.601	75.9	357.313542	452.700894
1.24E+01	12.600	3.100	9.953	2.440	-5.800	192.5	50.82462	1756	41.703	77.5	352.991717	444.430397
9.80E+00	9.400	3.100	7.398	2.446	-3.300	192.9	40.76046	1673	42.312	80.7	353.064286	430.246285
6.60E+00	5.300	3.100	4.203	2.436	-4.300	193.3	42.50903	1692	42.85	83.7	362.11867	424.39359
5.20E+00	3.500	3.200	2.700	2.503	-3.200	193.7	44.17052	1715	43.47	80.4	345.098413	421.508469
4.20E+00	2.200	3.200	1.704	2.501	0.700	194	43.05189	1723	44.09	76.5	329.127404	417.09815
3.40E+00	1.200	3.200	0.913	2.506	0.100	194	34.00211	1444	44.309	72.9	321.88066	410.469537
2.90E+00	0.500	3.200	0.401	2.511	0.500	194	32.94717	1451	44.71	76.6	324.904293	403.330505

2.11425	0.03238	4.85254	8803.893
2.11429	0.03238	4.85328	8804.117
2.11433	0.03238	4.85403	8804.303
2.11438	0.03238	4.85516	8804.516
2.11444	0.03238	4.85637	8804.724
2.1145	0.03238	4.85741	8804.915
2.11456	0.03238	4.85835	8805.153
2.11462	0.03238	4.85929	8805.456
2.11468	0.03238	4.86059	8805.904
2.11474	0.03238	4.86175	8806.565
2.1148	0.03238	4.86308	8807.441
2.11486	0.03238	4.86423	8808.472
2.11492	0.03238	4.86514	8809.565
2.11498	0.03238	4.86613	8810.694
2.11504	0.03238	4.867	8811.832
2.1151	0.03238	4.86787	8812.979
2.11516	0.03238	4.86892	8814.237
2.11523	0.03238	4.87007	8815.588
2.11529	0.03238	4.87123	8816.91
2.11535	0.03238	4.87244	8818.277
2.11541	0.03238	4.87351	8819.644
2.11547	0.03238	4.87457	8820.951
2.11553	0.03238	4.87572	8822.186
2.11559	0.03238	4.87699	8823.395
2.11565	0.03238	4.87837	8824.62
2.11572	0.03238	4.88	8826.047
2.11584	0.03238	4.88263	8828.612
2.11603	0.03238	4.88788	8833.707
2.1162	0.03238	4.89175	8839.105
2.11635	0.03238	4.89448	8843.9
2.11653	0.03238	4.89769	8849.684
2.11689	0.03238	4.90438	8863.068
2.11754	0.03238	4.91095	8880.193
2.1192	0.03238	4.91733	8896.938
2.12146	0.03238	4.92368	8911.985
2.12381	0.03238	4.92944	8926.13
2.1261	0.03238	4.93456	8940.178
2.12859	0.03238	4.94017	8955.642
2.131	0.03238	4.94573	8970.471
2.13277	0.03238	4.95051	8981.217
2.13376	0.03238	4.95368	8987.821
2.13442	0.03238	4.95673	8993.208
2.13488	0.03238	4.95997	8998.987
2.13525	0.03238	4.96261	9005.241
2.13551	0.03239	4.96438	9010.874
2.1357	0.03239	4.96595	9015.733
2.13586	0.0324	4.96785	9020.282

11:05:15.944	-14	0.00013	0	0.00198	4.346	0.00042	45.9
11:05:16.944	-14	0.0001	0	0.00155	3.424	0.000331	46.3
11:05:17.944	-14	0.00009	0	0.00141	2.921	0.000282	46.3
11:05:18.944	-14	0.00008	0	0.00152	2.511	0.000243	46.4
11:05:19.944	-14	0.00009	0	0.00105	2.122	0.000205	46.2
11:05:20.944	-14	0.00009	0	0.00147	1.769	0.000171	45.9
11:05:21.944	-14	0.00009	0	0.00154	1.507	0.000146	45.8
11:05:22.944	-14	0.00009	0	0.00143	1.399	0.000135	45.6
11:05:23.944	-14	0.00009	0	0.0016	1.383	0.000134	45.3
11:05:24.944	-14	0.00009	0	0.00179	1.447	0.00014	45
11:05:25.944	-14	0.00009	0	0.00166	1.621	0.000157	44.8
11:05:26.944	-14	0.00009	0	0.00137	1.795	0.000174	44.5
11:05:27.944	-14	0.00009	0	0.00162	1.872	0.000181	44.3
11:05:28.944	-14	0.00009	0.00002	0.00196	1.935	0.000187	44
11:05:29.944	-14	0.00009	0	0.00166	2.074	0.000201	43.7
11:05:30.944	-14	0.0001	0.00001	0.0015	2.323	0.000225	43.4
11:05:31.944	-14	0.0001	0	0.00208	2.561	0.000248	43.1
11:05:32.944	-14	0.0001	0.00001	0.00188	2.655	0.000257	42.8
11:05:33.944	-14	0.0001	0	0.00163	2.68	0.000259	42.5
11:05:34.944	-14	0.0001	0	0.00151	2.672	0.000258	42.2
11:05:35.944	-14	0.00009	0	0.00152	2.621	0.000254	41.8
11:05:36.944	-14	0.00009	0	0.00169	2.599	0.000251	41.4
11:05:37.944	-14	0.00009	0	0.00168	2.581	0.00025	40.9
11:05:38.944	-14	0.00009	0	0.00168	2.597	0.000251	40.3
11:05:39.944	-14	0.00009	0	0.00157	2.608	0.000252	40.1
11:05:40.944	-14	0.00009	0	0.00145	2.589	0.00025	39.9
11:05:41.944	-14	0.0001	0	0.00153	2.751	0.000266	39.7
11:05:42.944	-14	0.00011	0	0.00181	3.373	0.000326	39.5
11:05:43.944	-14	0.00013	0	0.00214	4.397	0.000425	39.5
11:05:44.944	-14	0.00018	0	0.00377	6.928	0.000669	39.6
11:05:45.944	-14	0.00019	0	0.00396	7.951	0.000767	40
11:05:46.944	-14	0.00018	0	0.00353	7.444	0.000718	40.4
11:05:47.944	-14	0.00017	0	0.00321	6.442	0.000622	41.1
11:05:48.944	-14	0.00014	0	0.00158	4.708	0.000455	41.9
11:05:49.944	-14	0.00012	0	0.00196	4.117	0.000398	42.3
11:05:50.944	-14	0.00012	0	0.00225	4.214	0.000407	42.8
11:05:51.944	-14	0.00012	0	0.00204	4.45	0.00043	43.1
11:05:52.944	-14	0.00011	0	0.00145	3.967	0.000383	43.5
11:05:53.944	-14	0.00009	0	0.00111	3.251	0.000314	43.8
11:05:54.944	-14	0.00008	0	0.00113	2.694	0.00026	44.2
11:05:55.944	-14	0.00008	0	0.00127	2.343	0.000227	44.5
11:05:56.944	-14	0.00008	0	0.00124	2.055	0.000199	44.9
11:05:57.944	-14	0.00008	0	0.00151	1.858	0.00018	44.9
11:05:58.944	-14	0.00009	0	0.0019	1.892	0.000183	44.8
11:05:59.944	-14	0.00009	0	0.00194	2.098	0.000203	44.6
11:06:00.944	-14	0.00009	0	0.00176	2.322	0.000225	44.3
11:06:01.944	-14	0.00009	0	0.00117	2.422	0.000234	43.9

2.60E+00	0.100	3.200	0.044	2.508	-4.300	194	33.24646	1457	44.71	73.5	314.690984	398.458003
2.50E+00	-0.300	3.200	0.000	2.506	-1.200	194	25.73349	1456	45.2	55.8	320.927506	390.449734
2.50E+00	-0.500	3.200	0.000	2.514	-3.800		22.16702	1453	44.71	41.1	322.522086	375.17
2.50E+00	-0.500	3.200	0.000	2.537	-1.000		21.20439	1447	44.71	34.4	319.144583	358.756207
2.60E+00	-0.500	3.200	0.000	2.565	-0.200		21.25638	1434	44.09	31	315.0094	342.347177
2.60E+00	-0.500	3.200	0.000	2.592	-1.300		21.46279	1424	44.09	30.9	312.634694	328.475371
2.60E+00	-0.500	3.200	0.000	2.611	0.300		21.37656	1419	43.5	31.4	309.87668	316.443627
2.60E+00	-0.500	3.200	0.000	2.620	-2.600	193.8	21.34728	1410	43.47	33.4	307.95261	306.480645
2.60E+00	-0.500	3.200	0.000	2.623	-1.000	193.4	21.62129	1405	43.47	37.4	305.300641	299.869329
2.60E+00	-0.600	3.200	0.000	2.619	-2.800	193	22.06981	1400	42.85	39.7	304.692308	297.248571
2.60E+00	-0.600	3.200	0.000	2.609	-0.600	192.7	22.34242	1393	42.85	39.4	302.908661	295.502179
2.60E+00	-0.600	3.200	0.000	2.598	-0.300	192.3	22.49636	1385	42.85	38.6	301.923313	292.938961
2.60E+00	-0.600	3.200	0.000	2.592	0.100		22.44909	1376	42.23	41.1	301.243243	291.80821
2.60E+00	-0.700	3.200	0.000	2.591	1.700		23.35004	1366	42.23	48.6	301.407332	292.186667
2.60E+00	-0.800	3.200	0.000	2.584	-0.700		23.62044	1357	41.61	51	303.096673	295.410836
2.60E+00	-0.900	3.200	0.000	2.569	0.600		23.92138	1347	41.61	50.4	304.00104	297.85974
2.60E+00	-0.900	3.200	0.000	2.557	-0.800		23.97708	1338	40.99	49	304.6525	299.3796
2.60E+00	-0.900	3.200	0.000	2.550	1.300	192.2	23.96199	1327	40.99	50.1	305.65875	300.9
2.50E+00	-1.300	3.200	0.000	2.548	-2.900	192.2	24.07714	1314	40.37	49.4	305.664212	301.093393
2.50E+00	-1.400	3.200	0.000	2.548	-4.100	192.2	24.03246	1301	40.115	49.3	306.416008	301.6
2.50E+00	-1.400	3.200	0.000	2.548	-3.600	192.2	23.59828	1288	39.74	50.1	306.100377	301.6
2.50E+00	-1.400	3.200	0.000	2.548	-7.500	192.2	23.35338	1275	39.12	50.9	306.087083	301.91381
2.50E+00	-1.400	3.200	0.000	2.548	-3.000	192.2	23.23771	1262	38.812	51.9	306.703666	302.5
2.50E+00	-1.300	3.200	0.000	2.547	-7.800	192.2	23.00329	1254	38.5	52.9	307.844444	302.5
2.50E+00	-1.300	3.200	0.000	2.546	-2.700	192.2	23.07686	1244	38.5	52.6	309.072397	302.5
2.50E+00	-1.200	3.200	0.000	2.545	-2.200	192.2	22.94458	1239	37.88	53.7	310.713506	301.917935
2.50E+00	-1.100	3.200	0.000	2.522	-0.600	192.2	23.52566	1236	37.88	59.6	310.7	302.194423
2.50E+00	-1.100	3.100	0.000	2.459	-0.700	192.2	29.28387	1235	37.88	73	311.422457	308.203916
2.40E+00	-1.100	3.100	0.000	2.442	-3.600	192.2	35.83154	1243	38.5	72.3	313.784615	319.018426
2.40E+00	-1.100	3.100	0.000	2.415	-4.200	192.2	49.41499	1264	39.12	82.4	316.640159	339.787852
2.40E+00	-1.100	3.100	0.000	2.393	-7.600	192.2	46.94372	1286	39.74	79.3	319.2825	358.635126
2.40E+00	-1.000	3.100	0.000	2.402	-5.400	192.2	46.88876	1315	40.626	78.3	321.264407	370.886837
2.40E+00	-1.000	3.100	0.000	2.411	-9.200	192.2	41.35707	1330	40.99	66.4	324.528947	375.700392
2.40E+00	-1.000	3.100	0.000	2.434	-6.200	192.2	31.68473	1339	41.22	66.2	325.604327	369.7178
2.40E+00	-1.000	3.000	0.000	2.368	-6.500	192.2	31.96297	1347	41.61	76.1	322.73089	364.908837
2.40E+00	-1.000	3.000	0.000	2.364	-8.300	192.2	32.95315	1359	41.61	78.2	328.791753	367.015287
2.30E+00	-1.000	3.000	0.000	2.350	-5.400	192.2	32.23648	1371	42.23	72.6	330.521633	367.565929
2.30E+00	-1.000	3.000	0.000	2.347	-7.400	192.2	27.43506	1382	42.799	66.1	327.874451	364.359034
2.40E+00	-1.000	3.000	0.000	2.354	-5.100	192.2	25.59611	1394	42.85	42.9	330.655172	357.191069
2.40E+00	-1.000	3.000	0.000	2.364	-7.000	192.2	19.85101	1406	43.47	32.2	328.38125	342.582537
2.40E+00	-1.000	3.000	0.000	2.385	-3.600	192.2	20.66842	1406	43.47	34.9	322.662897	327.065864
2.40E+00	-1.000	3.000	0.000	2.412	-3.600	192.2	21.33608	1412	43.47	34.4	319.317895	316.588124
2.40E+00	-1.100	3.000	0.000	2.430	-3.600	192.2	22.73987	1407	43.47	41.5	315.211394	308.123127
2.40E+00	-1.100	3.000	0.000	2.432	-0.700	192.2	23.21771	1403	43.084	44.5	312.208179	302.980442
2.40E+00	-1.100	3.000	0.000	2.424	-4.600	192.2	24.10858	1383	42.85	51.6	312.558034	301.255152
2.40E+00	-1.100	3.000	0.000	2.411	-0.300	192.2	24.33285	1369	42.23	47.7	314.220288	301.6
2.40E+00	-1.100	3.000	0.000	2.400	-3.200	192.2	23.39455	1336	41.041	41.3	313.875803	299.608047

2.13599	0.0324	4.96983	9024.628
2.13609	0.0324	4.97138	9028.052
2.13618	0.0324	4.97279	9030.973
2.13626	0.0324	4.97431	9033.484
2.13635	0.0324	4.97536	9035.606
2.13644	0.0324	4.97683	9037.375
2.13653	0.0324	4.97837	9038.882
2.13662	0.0324	4.9798	9040.281
2.13671	0.0324	4.9814	9041.664
2.1368	0.0324	4.98319	9043.111
2.13689	0.0324	4.98485	9044.732
2.13698	0.0324	4.98622	9046.527
2.13707	0.0324	4.98784	9048.399
2.13716	0.03242	4.9898	9050.334
2.13725	0.03242	4.99146	9052.408
2.13735	0.03243	4.99296	9054.731
2.13745	0.03243	4.99504	9057.292
2.13755	0.03244	4.99692	9059.947
2.13765	0.03244	4.99855	9062.627
2.13775	0.03244	5.00006	9065.299
2.13784	0.03244	5.00158	9067.92
2.13793	0.03244	5.00327	9070.519
2.13802	0.03244	5.00495	9073.1
2.13811	0.03244	5.00663	9075.697
2.1382	0.03244	5.0082	9078.305
2.13829	0.03244	5.00965	9080.894
2.13839	0.03244	5.01118	9083.645
2.1385	0.03244	5.01299	9087.018
2.13863	0.03244	5.01513	9091.415
2.13881	0.03244	5.0189	9098.343
2.139	0.03244	5.02286	9106.294
2.13918	0.03244	5.02639	9113.738
2.13935	0.03244	5.0296	9120.18
2.13949	0.03244	5.03118	9124.888
2.13961	0.03244	5.03314	9129.005
2.13973	0.03244	5.03539	9133.219
2.13985	0.03244	5.03743	9137.669
2.13996	0.03244	5.03888	9141.636
2.14005	0.03244	5.03999	9144.887
2.14013	0.03244	5.04112	9147.581
2.14021	0.03244	5.04239	9149.924
2.14029	0.03244	5.04363	9151.979
2.14037	0.03244	5.04514	9153.837
2.14046	0.03244	5.04704	9155.729
2.14055	0.03244	5.04898	9157.827
2.14064	0.03244	5.05074	9160.149
2.14073	0.03244	5.05191	9162.571

11:06:02.944	-14	0.00008	0	0.00088	2.373	0.000229	43.3
11:06:03.944	-14	0.00008	0	0.0009	2.238	0.000216	42.4
11:06:04.944	-14	0.00008	0	0.00106	2.15	0.000208	41.4
11:06:05.944	-14	0.00008	0	0.00126	2.189	0.000212	40.8
11:06:06.944	-14	0.00008	0	0.0016	2.235	0.000216	40
11:06:07.944	-14	0.00008	0	0.0016	2.263	0.000219	39.6
11:06:08.944	-14	0.00008	0	0.00146	2.266	0.000219	39.1
11:06:09.944	-14	0.00008	0	0.00137	2.234	0.000216	38.9
11:06:10.944	-14	0.00008	0	0.00135	2.222	0.000215	38.7
11:06:11.944	-14	0.00006	0	0.00096	1.549	0.00015	38.5
11:06:12.944	-14	0.00005	0	0.00089	1.301	0.000126	38.3
11:06:13.944	-14	0.00004	0	0.0008	1.156	0.000112	37.8
11:06:14.944	-14	0.00004	0	0.00071	1.052	0.000102	37.2
11:06:15.944	-14	0.00004	0	0.00056	0.918	0.000089	36.5
11:06:16.944	-14	0.00004	0	0.00043	0.629	0.000061	35.6
11:06:17.944	-14	0.00004	0	0.00045	0.4	0.000039	34.1
11:06:18.944	-14	0.00004	0	0.00036	0.287	0.000028	32.3
11:06:19.944	-14	0.00004	0	0.00044	0.227	0.000022	29.8
11:06:20.944	-14	0.00004	0	0.00058	0.186	0.000018	26.8
11:06:21.944	-14	0.00004	0	0.00067	0.156	0.000015	24.3
11:06:22.944	-14	0.00004	0	0.00073	0.152	0.000015	21.2
11:06:23.944	-14	0.00004	0	0.00068	0.144	0.000014	19.5
11:06:24.944	-14	0.00004	0	0.00072	0.124	0.000012	17.4
11:06:25.944	-14	0.00005	0.00003	0.00101	0.153	0.000015	16.5
11:06:26.944	-14	0.00006	0	0.00106	0.154	0.000015	15.4
11:06:27.944	-14	0.00005	0	0.00067	0.108	0.000011	14.4
11:06:28.944	-14	0.00005	0	0.00057	0.112	0.000011	13.1
11:06:29.944	-14	0.00007	0	0.00076	0.183	0.000018	11.9
11:06:30.944	-14	0.00007	0	0.00076	0.221	0.000022	10.5
11:06:31.944	-14	0.00007	0	0.00112	0.3	0.000029	9.5
11:06:32.944	-14	0.00007	0	0.00112	0.398	0.000039	8.2
11:06:33.944	-14	0.00006	0	0.0012	0.48	0.000047	7.6
11:06:34.944	-14	0.00006	0	0.00136	0.59	0.000057	6.9
11:06:35.944	-14	0.00006	0	0.00137	0.681	0.000066	6.2
11:06:36.944	-14	0.00006	0	0.00117	0.776	0.000075	5.3
11:06:37.944	-14	0.00006	0	0.00153	0.83	0.000081	4
11:06:38.944	-14	0.00006	0	0.00148	0.861	0.000084	2.5
11:06:39.944	-14	0.00006	0	0.00143	0.961	0.000093	1.7
11:06:40.944	-14	0.00006	0	0.00134	1.084	0.000105	0.8
11:06:41.944	-14	0.00006	0	0.00113	1.14	0.00011	0.4
11:06:42.944	-14	0.00006	0	0.00101	1.152	0.000112	0
11:06:43.944	-14	0.00006	0	0.00135	1.159	0.000112	0
11:06:44.944	-14	0.00006	0	0.00134	1.162	0.000113	0
11:06:45.944	-14	0.00006	0	0.00128	1.156	0.000112	0
11:06:46.944	-14	0.00006	0	0.00133	1.159	0.000112	0
11:06:47.944	-14	0.00006	0	0.00143	1.158	0.000112	0
11:06:48.944	-14	0.00006	0	0.00146	1.187	0.000115	0

2.40E+00	-1.000	3.000	0.000	2.397	-0.100	192.2	22.10786	1305	40.37	42.9	312.147664	296.671499
2.40E+00	-1.000	3.000	0.000	2.403	-1.500	192.2	21.97713	1282	39.12	45.4	311.216632	295.035833
2.40E+00	-1.000	3.000	0.000	2.409	-0.500	192.2	22.05845	1260	38.5	44.2	313.14453	293.371858
2.40E+00	-1.000	3.000	0.000	2.406	-0.400	192.2	22.06033	1242	38.244	45.7	315.176154	292.157714
2.40E+00	-1.000	3.000	0.000	2.403	-0.800	192.2	22.02525	1228	37.88	45.9	315.723077	291.379422
2.40E+00	-0.900	3.000	0.000	2.401	0.000	192.2	22.07703	1219	37.389	46.2	313.020122	290.616739
2.40E+00	-0.900	3.000	0.000	2.400	-3.000	192.2	21.95646	1218	37.26	47.7	311.456138	290.6
2.40E+00	-0.900	3.000	0.000	2.400	-0.600	192.2	21.73786	1208	37.26	48.7	310.033269	290
2.50E+00	-0.900	3.100	0.000	2.479	-2.400	192	21.56268	1202	37.26	46.5	309.647286	289.797203
2.40E+00	-0.900	3.000	0.000	2.419	-1.500	191.6	16.12676	1191	36.64	21.2	308.871548	285.957958
2.40E+00	-0.900	3.000	0.000	2.397	-1.900	191.3	10.47708	1174	36.05	0.7	306.453846	276.5107
2.50E+00	-0.900	3.100	0.000	2.477	-3.600	190.9	10.26265	1149	35.388	0	303.155102	268.093267
2.50E+00	-0.900	3.100	0.000	2.487	-1.600	190.5	9.68801	1129	34.16	0	301.342739	259.975075
2.50E+00	-0.900	3.100	0.000	2.512	-2.000	190.4	10.98052	1327	33.53	0	299.781743	253.091291
2.50E+00	-0.900	3.100	0.000	2.550	-0.600	190.4	10.85733	1249	31.67	0	297.375783	246.6022
2.60E+00	-0.900	3.100	0.000	2.578	-3.700	190.4	9.98667	1126	28.57	0.9	296.206875	241.51
2.60E+00	-0.900	3.100	0.000	2.595	-2.600	190.4	9.31583	1083	26.348	1	279.537023	236.511099
2.60E+00	-0.900	3.100	0.000	2.605	-3.300	190.4	9.93931	1115	22.949	0.8	273.776923	231.941648
2.60E+00	-0.900	3.100	0.000	2.611	-5.400	190.4	10.13685	1151	20.628	2.1	270.330134	228.313529
2.60E+00	-0.900	3.100	0.000	2.616	-1.800	190.4	9.24135	1071	18.561	4.7	267.710964	224.334473
2.60E+00	-0.900	3.100	0.000	2.618	-5.500	190.4	10.22583	1197	17.028	0.6	264.240313	220.572623
2.60E+00	-0.900	3.100	0.000	2.619	-1.300	190.4	9.99568	1173	15.689	0	273.616923	217.870306
2.60E+00	-0.800	3.100	0.000	2.621	-0.800	190.4	9.59106	1107	15.048	0.7	271.44711	215.200995
2.60E+00	-0.800	3.100	0.000	2.624	4.500	190.4	10.31259	973	13.816	16.6	269.652311	212.353733
2.60E+00	-0.800	3.100	0.000	2.626	-0.700	190.4	18.54375	1063	12.587	1	266.646552	208.5804
2.60E+00	-0.800	3.100	0.000	2.627	-2.800	190.4	8.59283	994	11.308	11.1	265.804366	205.24375
2.60E+00	-0.800	3.100	0.000	2.627	-0.600	190.4	10.93649	943	9.977	14.2	275.840678	204.2
2.60E+00	-0.800	3.100	0.000	2.624	-4.500	190.4	16.2925	825	8.713	16.4	274.988921	202.7525
2.60E+00	-0.800	3.100	0.000	2.620	-0.500	190	15.70517	806	8.104	21.9	273.045333	201.018824
2.60E+00	-0.800	3.100	0.000	2.612	-4.800	189.6	16.05	806	6.879	28.1	271.50125	200.834397
2.60E+00	-0.900	3.100	0.000	2.603	-2.600	189.3	16.2758	825	6.829	33	273.604688	202.550939
2.60E+00	-0.900	3.100	0.000	2.594	-5.000	188.9	16.34526	827	6.09	32.8	285.127075	205.273628
2.60E+00	-0.900	3.100	0.000	2.582	-4.200	188.6	15.88467	822	4.97	30.1	282.573563	207.45727
2.60E+00	-0.900	3.100	0.000	2.571	-2.400	188.6	15.34268	775	3.678	30.8	280.361163	208.483673
2.60E+00	-0.900	3.100	0.000	2.563	-3.800	188.6	15.331	778	2.453	40.7	278.211632	211.105
2.60E+00	-0.900	3.100	0.000	2.559	-3.600	188.6	16.00304	789	1.681	40.2	289.191822	214.77
2.60E+00	-0.900	3.100	0.000	2.554	-5.800	188.6	15.56455	778	0.62	39.7	295.561678	217.86645
2.50E+00	-0.900	3.100	0.000	2.544	-3.200	188.6	15.41863	778	0	40	300.0401	219.974759
2.50E+00	-0.900	3.100	0.000	2.532	-5.200	188.6	15.38272	780	0	40.1	301.521058	222.486653
2.50E+00	-1.000	3.100	0.000	2.528	-2.600	188.6	15.4077	778	0	40.5	300.9	223.3274
2.50E+00	-1.000	3.100	0.000	2.527	-4.000	188.6	15.6538	781	0	40.3	290.570961	224.713052
2.50E+00	-1.000	3.100	0.000	2.526	-7.100	188.6	15.59767	776	0	39.8	289.24473	225.4
2.50E+00	-1.000	3.100	0.000	2.525	-1.700		15.68721	781	0	39.8	285.502851	226
2.50E+00	-1.000	3.100	0.000	2.525	-5.200		15.55712	780	0	39.8	287.884647	226.023976
2.50E+00	-0.900	3.100	0.000	2.525	-2.000		15.46017	777	0	40.2	288.060581	226.6
2.50E+00	-0.800	3.100	0.000	2.525	-5.100		15.66638	780	0	40	286.201449	226.641341
2.50E+00	-0.700	3.100	0.000	2.525	-3.500		15.5423	780	0	39.4	285.9625	227.335857

2.14081	0.03244	5.05279	9164.944
2.14089	0.03244	5.05369	9167.182
2.14097	0.03244	5.05475	9169.332
2.14105	0.03244	5.05601	9171.521
2.14113	0.03244	5.05761	9173.756
2.14121	0.03244	5.05921	9176.019
2.14129	0.03244	5.06067	9178.285
2.14137	0.03244	5.06204	9180.519
2.14145	0.03244	5.06339	9182.741
2.14151	0.03244	5.06435	9184.29
2.14156	0.03244	5.06524	9185.591
2.1416	0.03244	5.06604	9186.747
2.14164	0.03244	5.06675	9187.799
2.14168	0.03244	5.06731	9188.717
2.14172	0.03244	5.06774	9189.346
2.14176	0.03244	5.06819	9189.746
2.1418	0.03244	5.06855	9190.033
2.14184	0.03244	5.06899	9190.26
2.14188	0.03244	5.06957	9190.446
2.14192	0.03244	5.07024	9190.602
2.14196	0.03244	5.07097	9190.754
2.142	0.03244	5.07165	9190.898
2.14204	0.03244	5.07237	9191.022
2.14209	0.03247	5.07338	9191.175
2.14215	0.03247	5.07444	9191.329
2.1422	0.03247	5.07511	9191.437
2.14225	0.03247	5.07568	9191.549
2.14232	0.03247	5.07644	9191.732
2.14239	0.03247	5.0772	9191.953
2.14246	0.03247	5.07832	9192.253
2.14253	0.03247	5.07944	9192.651
2.14259	0.03247	5.08064	9193.131
2.14265	0.03247	5.082	9193.721
2.14271	0.03247	5.08337	9194.402
2.14277	0.03247	5.08454	9195.178
2.14283	0.03247	5.08607	9196.008
2.14289	0.03247	5.08755	9196.869
2.14295	0.03247	5.08898	9197.83
2.14301	0.03247	5.09032	9198.914
2.14307	0.03247	5.09145	9200.054
2.14313	0.03247	5.09246	9201.206
2.14319	0.03247	5.09381	9202.365
2.14325	0.03247	5.09515	9203.527
2.14331	0.03247	5.09643	9204.683
2.14337	0.03247	5.09776	9205.842
2.14343	0.03247	5.09919	9207
2.14349	0.03247	5.10065	9208.187

11:06:49.944	-14	0.00007	0	0.00162	1.322	0.000128	0
11:06:50.944	-14	0.00008	0	0.00168	1.495	0.000145	0
11:06:51.944	-14	0.00012	0	0.00295	2.542	0.000246	1.3
11:06:52.944	-14	0.00017	0	0.00464	4.512	0.000437	2.9
11:06:53.944	-14	0.00018	0	0.00424	5.767	0.000558	5.2
11:06:54.944	-14	0.00017	0	0.00297	5.638	0.000545	8.1
11:06:55.944	-14	0.00016	0	0.00262	5.082	0.000491	10.3
11:06:56.944	-14	0.00013	0	0.00222	4.283	0.000414	12.9
11:06:57.944	-14	0.00013	0	0.00234	4.149	0.000401	14.3
11:06:58.944	-14	0.00015	0	0.00288	5.07	0.00049	15.9
11:06:59.944	-14	0.00016	0	0.00308	5.714	0.000552	17.1
11:07:00.944	-14	0.00018	0	0.00339	6.403	0.000619	18.5
11:07:01.944	-14	0.00021	0	0.00421	8.274	0.000799	19.7
11:07:02.944	-14	0.00023	0	0.00381	9.229	0.000891	21.2
11:07:03.944	-14	0.0002	0	0.003	8.005	0.000773	22.8
11:07:04.944	-14	0.00014	0	0.00213	5.233	0.000505	24.7
11:07:05.944	-14	0.0001	0	0.00174	3.81	0.000368	26
11:07:06.944	-14	0.00009	0	0.00152	3.144	0.000304	27.6
11:07:07.944	-14	0.00009	0	0.00163	3.187	0.000308	27.7
11:07:08.944	-14	0.00011	0	0.00237	3.928	0.00038	27.8
11:07:09.944	-14	0.00015	0.00001	0.00307	5.579	0.000539	27.8
11:07:10.944	-14	0.00017	0	0.00325	7.222	0.000697	27.8
11:07:11.944	-14	0.00015	0	0.00301	6.17	0.000596	28.4
11:07:12.944	-14	0.00009	0	0.00185	3.448	0.000333	29.2
11:07:13.944	-14	0.00007	0	0.00053	1.994	0.000193	29.4
11:07:14.944	-14	0.00007	0	0.00059	1.443	0.00014	29.6
11:07:15.944	-14	0.00009	0	0.0013	1.222	0.000118	28.7
11:07:16.944	-14	0.0001	0	0.00244	1.273	0.000124	27.7
11:07:17.944	-14	0.00011	0	0.00418	2.891	0.00028	27.7
11:07:18.944	-14	0.00012	0	0.00418	4.295	0.000415	27.8
11:07:19.944	-14	0.0001	0	0.00214	3.705	0.000358	28.6
11:07:20.944	-14	0.00009	0	0.00189	3.346	0.000323	29.6
11:07:21.944	-14	0.0001	0	0.00222	3.412	0.00033	30
11:07:22.944	-14	0.00006	0	0.00131	2.191	0.000212	30.5
11:07:23.944	-14	0.00005	0	0.0009	1.813	0.000175	30.9
11:07:24.944	-14	0.00004	0	0.00084	1.529	0.000148	31.4
11:07:25.944	-14	0.00004	0	0.00061	1.148	0.000111	31
11:07:26.944	-14	0.00004	0	0.00041	0.771	0.000075	30.6
11:07:27.944	-14	0.00004	0	0.00046	0.465	0.000045	30
11:07:28.944	-14	0.00004	0	0.00059	0.296	0.000029	29.3
11:07:29.944	-14	0.00003	0	0.00058	0.218	0.000021	28
11:07:30.944	-14	0.00003	0	0.00071	0.18	0.000018	26.4
11:07:31.944	-14	0.00003	0	0.00081	0.168	0.000016	23.7
11:07:32.944	-14	0.00003	0.00001	0.0008	0.166	0.000016	20.4
11:07:33.944	-14	0.00004	0	0.00085	0.176	0.000017	18.3
11:07:34.944	-14	0.00013	0	0.00403	0.552	0.000054	15.7
11:07:35.944	-14	0.0003	0	0.01397	6.179	0.0006	15.1

2.50E+00	-0.700	3.100	0.000	2.524	-3.700	188.6	18.29616	929	0.595	40.1	286.540956	227.967402
2.50E+00	-0.700	3.100	0.000	2.522	-6.500	188.6	17.8668	874	1.824	54.5	286.771111	229.435819
2.40E+00	-0.700	3.000	0.000	2.432	-1.800	188.6	24.96339	1169	4.249	77	288.27378	235.486279
2.40E+00	-0.700	3.000	0.000	2.404	-6.800	188.6	47.20571	1664	6.835	77.7	289.185774	250.854545
2.40E+00	-0.700	3.000	0.000	2.380	-4.800	188.6	50.72928	1905	9.315	66.5	293.949064	273.68237
2.40E+00	-0.700	3.000	0.000	2.374	-7.200	188.8	43.42811	1693	11.742	68.8	297.157233	285.116
2.40E+00	-0.600	3.000	0.000	2.373	-4.400	189.2	41.29605	1760	13.629	64.2	298.75261	295.5
2.40E+00	-0.600	3.000	0.000	2.373	-5.100	189.6	29.06884	1439	14.875	64.7	298.61875	295.625
2.40E+00	-0.500	3.000	0.000	2.377	-6.100	190	31.96316	1508	16.184	76.4	298.25	298.211902
2.40E+00	-0.500	3.000	0.000	2.366	-2.600	190.3	40.49554	1650	17.57	75.7	300.6	305.798697
2.40E+00	-0.500	3.000	0.000	2.357	-7.400	190.4	41.42387	1695	18.871	77.2	303.52449	315.233663
2.40E+00	-0.500	3.000	0.000	2.354	-2.500	190.4	43.97194	1765	20.095	77.7	306.690631	324.845311
2.30E+00	-0.500	2.900	0.000	2.268	-6.600	190.4	55.6589	1945	21.58	82.2	309.765933	337.932079
2.30E+00	-0.500	2.900	0.000	2.262	-3.800	190.4	66.18563	2038	23.606	77.9	321.173719	357.047878
2.30E+00	-0.500	2.900	0.000	2.265	-6.100	190.4	60.74857	1931	25.194	75.5	327.280669	367.120173
2.30E+00	-0.500	2.900	0.000	2.271	-5.900	190.7	44.81074	1586	26.394	72.7	327.184211	368.502
2.30E+00	-0.500	2.900	0.000	2.273	-4.700	191.1	23.60649	1528	26.7	55.1	324.466667	360.263043
2.30E+00	-0.500	2.900	0.000	2.283	-5.200	191.5	22.57102	1528	26.7	59.3	315.235052	346.453157
2.30E+00	-0.500	2.900	0.000	2.292	-2.800	191.8	26.07724	1521	26.7	54.9	308.238395	335.530661
2.20E+00	-0.500	2.800	0.000	2.234	-1.900	192.2	33.07688	1527	26.7	71.5	303.512646	329.847648
2.20E+00	-0.500	2.800	0.000	2.202	0.500	192.2	43.89164	1548	27.123	86.7	301.676651	333.94886
2.20E+00	-0.500	2.800	0.000	2.184	-3.600	192.2	50.23918	1589	27.95	76.1	299.135731	345.128571
2.20E+00	-0.500	2.800	0.000	2.183	-4.900	192.2	43.61651	1638	29.19	65.5	297.935072	351.771717
2.20E+00	-0.500	2.800	0.000	2.199	-4.500	192.2	22.34911	1586	28.57	15.2	292.8	337.775556
2.20E+00	-0.500	2.800	0.000	2.236	-7.100	192.2	21.05693	1329	27.753	8.6	281.393107	314.759341
2.30E+00	-0.500	2.800	0.000	2.283	-0.700	192.2	12.43135	1281	26.838	11	279.217308	296.950549
2.20E+00	-0.500	2.700	0.000	2.237	-4.200	192.2	25.2081	1266	26.7	52.4	278.392041	287.363692
2.20E+00	-0.600	2.700	0.000	2.241	-0.800	192.2	29.67357	1281	26.727	73.1	278.055102	290.448627
2.20E+00	-0.600	2.700	0.000	2.182	-4.100	192.2	37.20241	1317	27.326	72	281.358947	302.016
2.10E+00	-0.600	2.700	0.000	2.138	-2.900	192.2	34.14847	1352	28.071	65.7	285.733992	313.4448
2.10E+00	-0.600	2.700	0.000	2.127	-4.300	192.2	25.99113	1380	28.692	56.6	285.984304	313.4484
2.10E+00	-0.600	2.700	0.000	2.137	-5.700	192.2	26.31637	1399	29.19	65	284.125052	310.791264
2.10E+00	-0.600	2.700	0.000	2.142	-0.800	192.2	28.88489	1434	29.81	67.5	290.154615	312.644505
2.10E+00	-0.600	2.600	0.000	2.052	-4.600	192.2	21.68013	1458	30.43	21.8	287.535283	308.420088
2.10E+00	-0.600	2.600	0.000	2.052	-0.200	192.2	13.08689	1447	30.43	1.7	282.680076	294.109412
2.10E+00	-0.600	2.600	0.000	2.066	-3.200	192.2	12.57558	1426	29.81	0	276.7481	280.507
2.10E+00	-0.600	2.600	0.000	2.095	0.000	192.2	12.1789	1388	29.19	0	271.977914	269.762449
2.10E+00	-0.600	2.600	0.000	2.131	-0.400	192.2	11.86525	1367	28.57	0	269.108868	260.880297
2.20E+00	-0.600	2.600	0.000	2.162	-2.100		11.27754	1276	26.787	0	266.173171	252.134783
2.20E+00	-0.600	2.600	0.000	2.180	-0.500		10.74694	1228	25.504	0	263.150954	245.061039
2.20E+00	-0.600	2.600	0.000	2.188	-4.500		9.9491	1115	23.11	0	260.934351	239.378322
2.20E+00	-0.600	2.600	0.000	2.192	0.000		9.77935	1121	19.913	0.1	259.556713	234.344954
2.20E+00	-0.600	2.600	0.000	2.194	-3.500		9.55949	1094	17.454	2	257.777944	229.500099
2.20E+00	-0.600	2.600	0.000	2.195	1.600	192.2	10.28629	1176	15.644	2	255.595455	225.153666
2.20E+00	-0.700	2.600	0.000	2.196	-2.800	191.8	9.62409	1089	14.9	2.3	254.878719	221.212367
2.20E+00	-0.700	2.600	0.000	2.198	-2.300	191.4	31.79677	1128	14.157	34.3	259.370189	220.442411
2.10E+00	-0.700	2.600	0.000	2.125	-2.400	191.1	86.5258	1918	15.767	93.4	259.426986	259.841734

2.14356	0.03247	5.10227	9209.509
2.14364	0.03247	5.10395	9211.004
2.14376	0.03247	5.1069	9213.546
2.14393	0.03247	5.11154	9218.058
2.14411	0.03247	5.11578	9223.825
2.14428	0.03247	5.11875	9229.463
2.14444	0.03247	5.12137	9234.545
2.14457	0.03247	5.12359	9238.828
2.1447	0.03247	5.12593	9242.977
2.14485	0.03247	5.12881	9248.047
2.14501	0.03247	5.13189	9253.761
2.14519	0.03247	5.13528	9260.164
2.1454	0.03247	5.13949	9268.438
2.14563	0.03247	5.1433	9277.667
2.14583	0.03247	5.1463	9285.672
2.14597	0.03247	5.14843	9290.905
2.14607	0.03247	5.15017	9294.715
2.14616	0.03247	5.15169	9297.859
2.14625	0.03247	5.15332	9301.046
2.14636	0.03247	5.15569	9304.974
2.14651	0.03248	5.15876	9310.553
2.14668	0.03248	5.16201	9317.775
2.14683	0.03248	5.16502	9323.945
2.14692	0.03248	5.16687	9327.393
2.14699	0.03248	5.1674	9329.387
2.14706	0.03248	5.16799	9330.83
2.14715	0.03248	5.16929	9332.052
2.14725	0.03248	5.17173	9333.325
2.14736	0.03248	5.17591	9336.216
2.14748	0.03248	5.18009	9340.511
2.14758	0.03248	5.18223	9344.216
2.14767	0.03248	5.18412	9347.562
2.14777	0.03248	5.18634	9350.974
2.14783	0.03248	5.18765	9353.165
2.14788	0.03248	5.18855	9354.978
2.14792	0.03248	5.18939	9356.507
2.14796	0.03248	5.19	9357.655
2.148	0.03248	5.19041	9358.426
2.14804	0.03248	5.19087	9358.891
2.14808	0.03248	5.19146	9359.187
2.14811	0.03248	5.19204	9359.405
2.14814	0.03248	5.19275	9359.585
2.14817	0.03248	5.19356	9359.753
2.1482	0.03249	5.19436	9359.919
2.14824	0.03249	5.19521	9360.095
2.14837	0.03249	5.19924	9360.647
2.14867	0.03249	5.21321	9366.826

11:07:36.944	-14	0.00037	0	0.01702	12.059	0.001168	14.3
11:07:37.944	-14	0.00082	0	0.00904	14.3	0.001382	17.1
11:07:38.944	-14	0.00111	0	0.0066	12.929	0.001249	20.5
11:07:39.944	-14	0.00119	0	0.00592	12.1	0.001169	24.1
11:07:40.944	-14	0.00078	0	0.00349	7.645	0.000738	28.4
11:07:41.944	-14	0.0005	0	0.00221	4.359	0.000421	30.7
11:07:42.944	-14	0.00038	0	0.00204	3.881	0.000375	33.5
11:07:43.944	-14	0.0002	0	0.00159	2.774	0.000268	34
11:07:44.944	-14	0.00012	0.00001	0.00108	2.186	0.000211	34.6
11:07:45.944	-14	0.00007	0	0.0007	1.359	0.000131	34.5
11:07:46.944	-14	0.0001	0.00002	0.00104	1.752	0.000169	34.3
11:07:47.944	-14	0.00008	0	0.00046	0.93	0.00009	33.3
11:07:48.944	-14	0.00005	0.00001	0.00049	0.52	0.00005	32.1
11:07:49.944	-14	0.00007	0	0.00145	0.657	0.000064	31.3
11:07:50.944	-14	0.00007	0	0.00189	0.754	0.000073	30.3
11:07:51.944	-14	0.00008	0.00001	0.00279	1.057	0.000103	29.6
11:07:52.944	-14	0.00008	0	0.00329	2.026	0.000196	28.8
11:07:53.944	-14	0.00009	0	0.0033	3.109	0.000301	28.7
11:07:54.944	-14	0.0001	0	0.00355	4.266	0.000413	28.5
11:07:55.944	-14	0.00012	0	0.00343	5.463	0.000528	28.8
11:07:56.944	-14	0.00014	0	0.00299	6.875	0.000664	29.1
11:07:57.944	-14	0.00019	0	0.00481	10.334	0.000997	29.8
11:07:58.944	-14	0.00035	0	0.00901	17.013	0.00164	30.6
11:07:59.944	-14	0.00474	0	0.01439	28.202	0.002719	32.3
11:08:00.944	-14	0.0158	0	0.01249	31.267	0.003014	34.4
11:08:01.944	-14	0.0317	0	0.01359	32.893	0.003172	37.8
11:08:02.944	-14	0.04306	0	0.01212	31.665	0.003056	41.9
11:08:03.944	-14	0.03933	0	0.00828	22.897	0.002211	46.5
11:08:04.944	-14	0.02194	0	0.00595	12.885	0.001245	52.2
11:08:05.944	-14	0.0162	0	0.00923	15.48	0.001496	53.9
11:08:06.944	-14	0.01139	0	0.01039	17.713	0.00171	55.9
11:08:07.944	-14	0.01321	0	0.0092	21.84	0.002107	57.3
11:08:08.944	-14	0.02011	0	0.00872	23.191	0.002237	58.9
11:08:09.944	-14	0.03024	0	0.00911	24.594	0.002372	60.9
11:08:10.944	-14	0.04145	0	0.00914	26.25	0.002531	63.3
11:08:11.944	-14	0.04934	0	0.00831	26.73	0.002578	65.3
11:08:12.944	-14	0.05479	0	0.00828	24.564	0.00237	67.8
11:08:13.944	-14	0.03944	0	0.0054	15.963	0.001542	69.8
11:08:14.944	-14	0.01281	0.00001	0.0014	5.456	0.000527	72.2
11:08:15.944	-14	0.00623	0	0.00113	3.296	0.000319	72.7
11:08:16.944	-14	0.00448	0.00001	0.00329	4.849	0.000469	73.4
11:08:17.944	-14	0.00298	0	0.0072	8.412	0.000813	72.8
11:08:18.944	-14	0.00187	0	0.00469	9.207	0.000889	72
11:08:19.944	-14	0.00133	0	0.00355	9.081	0.000877	72
11:08:20.944	-14	0.00103	0	0.00348	8.773	0.000847	72
11:08:21.944	-14	0.00084	0	0.00332	8.602	0.00083	72
11:08:22.944	-14	0.00071	0	0.00305	8.762	0.000846	72

2.10E+00	-0.200	2.700	0.000	2.133	-4.600	190.7	108.88933	2237	19.54	73.2	272.010755	318.728048
4.60E+00	3.100	2.800	2.421	2.208	-4.600	190.5	108.98554	2326	23.226	74.7	286.274109	362.015202
7.30E+00	6.300	2.900	4.978	2.278	-7.500	190.8	99.46547	2116	26.943	76	295.26819	388.912687
8.60E+00	8.000	2.900	6.283	2.272	-5.600	191.2	92.0489	2017	29.911	75.1	292.525537	404.324031
8.80E+00	8.400	2.900	6.563	2.273	-7.100	191.6	66.85533	1821	32.143	69.1	290.167191	409.683042
8.90E+00	8.400	2.900	6.638	2.292	-3.200	191.9	34.06604	1674	33.129	62.8	292.219471	395.081685
7.50E+00	6.500	2.900	5.185	2.298	-1.500	192.2	32.641	1601	33.53	65.9	290.693585	382.79
5.70E+00	4.300	2.800	3.425	2.235	-4.300	192.2	26.51637	1600	33.53	44.6	284.45576	370.201741
4.40E+00	2.700	2.800	2.156	2.215	0.600	192.2	25.726	1295	33.254	14.6	282.899435	350.905138
3.80E+00	2.000	2.800	1.554	2.229	-1.500	192.2	11.51084	1272	32.478	0	279.976667	330.117312
3.40E+00	1.400	2.800	1.093	2.261	2.400	192.2	26.08013	1240	31.67	7.7	282.369375	312.931299
3.10E+00	1.100	2.700	0.888	2.223	0.200	192.2	18.5285	1205	30.378	8.7	282.333194	296.657843
2.60E+00	0.500	2.700	0.398	2.248	0.900	192.2	10.87359	1167	29.638	1.7	280.419708	284.299575
2.30E+00	0.100	2.600	0.084	2.173	-0.500	192.2	18.58524	1134	28.57	21.2	276.3	274.500404
2.10E+00	0.000	2.500	0.000	2.089	-1.600	192.2	19.67422	1156	27.723	51.8	273.499599	270.470378
2.00E+00	-0.100	2.400	0.000	1.958	1.100	192.2	29.49761	1362	27.95	66.2	274.973092	276.399893
1.90E+00	-0.200	2.300	0.000	1.873	-6.000	192.2	25.661	1329	27.95	60.3	278.802264	283.677143
1.80E+00	-0.300	2.300	0.000	1.844	-4.000	192.2	29.74621	1336	27.95	68.5	280.295769	290.264975
1.80E+00	-0.300	2.300	0.000	1.823	-7.100	192.2	35.13717	1349	28.418	77.3	284.968344	303.548571
1.90E+00	-0.300	2.400	0.000	1.865	-5.800	192.2	39.64337	1381	29.043	67.2	291.118998	318.468431
1.90E+00	-0.200	2.400	0.000	1.871	-6.000	192.2	45.56289	1421	29.643	82.6	297.11	334.578
1.90E+00	-0.200	2.400	0.000	1.858	-4.000	192.6	55.47835	1470	30.877	97.5	305.421361	359.960777
2.30E+00	0.600	2.400	0.480	1.829	-2.600	192.9	93.88791	1571	32.881	99.5	321.703963	401.702609
1.91E+01	22.600	2.400	17.238	1.829	-4.400	193.3	154.325	1960	36.129	99.6	311.818447	456.856
5.65E+01	71.500	2.400	54.620	1.833	-2.400	193.7	173.28844	2304	40.168	99.3	320.696226	509.826923
1.03E+02	131.600	2.500	101.006	1.900	-3.900		191.8595	2557	45.005	98.2	339.607803	557.0744
1.33E+02	169.300	2.700	131.169	2.054	-1.600		203.00074	2781	49.246	90.3	357.405218	575.962636
1.48E+02	185.100	3.700	145.099	2.916	-3.100		193.34053	2775	52.291	85.5	370.696917	564.947796
1.30E+02	159.700	4.700	126.474	3.711	-3.200		100.63124	2386	54.108	66.2	373.108642	520.362653
9.03E+01	110.300	4.900	86.452	3.841	-0.500		127.24545	2163	55.347	73	360.858621	501.196396
6.10E+01	73.500	4.900	57.157	3.808	-4.300	194.1	115.39004	1851	56.649	87.9	365.222453	508.13
6.06E+01	73.700	4.700	56.978	3.654	-0.300	194.9	138.72724	1927	59.048	91.3	365.078281	524.127144
8.94E+01	111.600	4.400	85.996	3.411	-3.800	195.7	145.2464	1988	61.059	93.4	353.426168	542.129043
1.29E+02	162.600	4.400	125.124	3.386	-2.100	196.5	150.39314	2058	63.084	95	355.658987	555.082921
1.68E+02	214.300	4.400	164.573	3.379	-3.200	197.3	159.09136	2127	65.259	97.1	401.206029	574.791658
1.97E+02	251.400	4.500	193.066	3.434	-1.500		161.82667	2197	67.696	97.7	405.097089	590.986139
2.21E+02	280.500	4.800	217.051	3.693	-2.500		164.4486	2258	69.537	91.4	410.787083	600.364403
2.14E+02	267.700	5.100	209.846	3.975	-2.700		120.78306	2291	70.79	73.8	406.270468	577.001548
1.62E+02	197.900	5.100	157.846	4.069	0.600		52.07036	1905	70.795	33.1	406.708958	530.357143
9.47E+01	111.400	5.100	90.590	4.146	-1.600		35.90173	1909	70.202	34.4	388.839091	467.972832
5.26E+01	60.400	4.700	48.779	3.774	0.400	199.4	57.10035	1878	69.632	70.1	384.152143	454.043188
2.88E+01	32.300	4.300	25.426	3.407	-1.500	199.4	64.66207	1875	69.55	81.2	385.182059	465.057681
1.83E+01	19.400	4.100	15.133	3.202	-0.500	199.4	62.33033	1875	69.55	81.1	385.137083	471.333433
1.35E+01	13.300	4.000	10.358	3.117	-0.300	199.4	60.57359	1876	69.55	82.3	405.860769	475.594015
1.09E+01	10.100	3.900	7.893	3.036	-1.200	199.4	58.70291	1873	69.55	82.3	412.207536	480.76856
9.20E+00	8.300	3.600	6.445	2.763	-2.400	199.1	57.47538	1873	69.55	81.9	410.987866	483.194787
7.80E+00	6.700	3.300	5.229	2.582	-4.600	198.7	57.16	1871	69.55	81.6	419.375732	484.820792

2.14904	0.03249	5.23023	9378.885
2.14986	0.03249	5.23927	9393.185
2.15097	0.03249	5.24587	9406.114
2.15216	0.03249	5.25179	9418.214
2.15294	0.03249	5.25528	9425.859
2.15344	0.03249	5.25749	9430.218
2.15382	0.03249	5.25953	9434.099
2.15402	0.03249	5.26112	9436.873
2.15414	0.0325	5.2622	9439.059
2.15421	0.0325	5.2629	9440.418
2.15431	0.03252	5.26394	9442.17
2.15439	0.03252	5.2644	9443.1
2.15444	0.03253	5.26489	9443.62
2.15451	0.03253	5.26634	9444.277
2.15458	0.03253	5.26823	9445.031
2.15466	0.03254	5.27102	9446.088
2.15474	0.03254	5.27431	9448.114
2.15483	0.03254	5.27761	9451.223
2.15493	0.03254	5.28116	9455.489
2.15505	0.03254	5.28459	9460.952
2.15519	0.03254	5.28758	9467.827
2.15538	0.03254	5.29239	9478.161
2.15573	0.03254	5.3014	9495.174
2.16047	0.03254	5.31579	9523.376
2.17627	0.03254	5.32828	9554.643
2.20797	0.03254	5.34187	9587.536
2.25103	0.03254	5.35399	9619.201
2.29036	0.03254	5.36227	9642.098
2.3123	0.03254	5.36822	9654.983
2.3285	0.03254	5.37745	9670.463
2.33989	0.03254	5.38784	9688.176
2.3531	0.03254	5.39704	9710.016
2.37321	0.03254	5.40576	9733.207
2.40345	0.03254	5.41487	9757.801
2.4449	0.03254	5.42401	9784.051
2.49424	0.03254	5.43232	9810.781
2.54903	0.03254	5.4406	9835.345
2.58847	0.03254	5.446	9851.308
2.60128	0.03255	5.4474	9856.764
2.60751	0.03255	5.44853	9860.06
2.61199	0.03256	5.45182	9864.909
2.61497	0.03256	5.45902	9873.321
2.61684	0.03256	5.46371	9882.528
2.61817	0.03256	5.46726	9891.609
2.6192	0.03256	5.47074	9900.382
2.62004	0.03256	5.47406	9908.984
2.62075	0.03256	5.47711	9917.746

11:08:23.944	-14	0.00062	0	0.00303	8.704	0.00084	72
11:08:24.944	-14	0.00037	0	0.00201	5.565	0.000537	71.9
11:08:25.944	-14	0.00036	0	0.00077	4.888	0.000472	71.8
11:08:26.944	-14	0.00035	0	0.00294	4.667	0.000451	71.7
11:08:27.944	-14	0.00037	0	0.00514	6.76	0.000654	71.2
11:08:28.944	-14	0.00037	0	0.00447	8.14	0.000786	70.5
11:08:29.944	-14	0.00033	0	0.00288	7.829	0.000756	70.4
11:08:30.944	-14	0.00029	0	0.00277	7.62	0.000736	70.3
11:08:31.944	-14	0.00026	0	0.00235	7.589	0.000733	70.2
11:08:32.944	-14	0.00025	0	0.00226	7.741	0.000747	70.1
11:08:33.944	-14	0.00026	0	0.00236	8.252	0.000796	70
11:08:34.944	-14	0.00028	0	0.00269	9.252	0.000892	69.9
11:08:35.944	-14	0.00029	0	0.00319	9.316	0.000899	69.8
11:08:36.944	-14	0.00029	0	0.0036	9.201	0.000888	69.7
11:08:37.944	-14	0.00029	0	0.00365	9.275	0.000895	69.7
11:08:38.944	-14	0.00029	0	0.00366	9.295	0.000897	69.7
11:08:39.944	-14	0.0003	0	0.00352	9.597	0.000926	69.7
11:08:40.944	-14	0.0003	0	0.00334	9.967	0.000962	69.7
11:08:41.944	-14	0.00031	0	0.0034	10.127	0.000977	69.7
11:08:42.944	-14	0.00031	0	0.00344	10.044	0.000969	69.7
11:08:43.944	-14	0.0003	0	0.00378	9.666	0.000933	69.7
11:08:44.944	-14	0.00028	0	0.00374	9.222	0.00089	69.6
11:08:45.944	-14	0.00027	0	0.0036	8.905	0.00086	69.5
11:08:46.944	-14	0.00027	0	0.0035	9.105	0.000879	69.4
11:08:47.944	-14	0.00027	0	0.00313	9.131	0.000881	69.2
11:08:48.944	-14	0.00027	0	0.00317	9.248	0.000892	68.9
11:08:49.944	-14	0.00026	0	0.00312	9.098	0.000878	68.8
11:08:50.944	-14	0.00026	0	0.00322	9.52	0.000919	68.6
11:08:51.944	-14	0.00029	0	0.00335	10.974	0.001059	68.1
11:08:52.944	-14	0.0003	0	0.00333	11.226	0.001083	67.4
11:08:53.944	-14	0.00028	0	0.00379	10.772	0.00104	67.7
11:08:54.944	-14	0.00028	0	0.00417	10.436	0.001007	68
11:08:55.944	-14	0.00027	0	0.00417	10.504	0.001014	68
11:08:56.944	-14	0.00029	0	0.00385	10.746	0.001037	68
11:08:57.944	-14	0.00029	0	0.00366	10.86	0.001048	68
11:08:58.944	-14	0.00029	0	0.00368	10.861	0.001048	68
11:08:59.944	-14	0.00029	0	0.00367	10.818	0.001044	68
11:09:00.944	-14	0.00029	0	0.00364	10.722	0.001035	68.1
11:09:01.944	-14	0.00029	0	0.00366	10.744	0.001037	68.1
11:09:02.944	-14	0.00029	0	0.00369	10.825	0.001045	68.1
11:09:03.944	-14	0.00028	0	0.00368	10.806	0.001043	68.3
11:09:04.944	-14	0.00029	0	0.0037	10.869	0.001049	68.5
11:09:05.944	-14	0.00029	0	0.00371	10.916	0.001053	68.6
11:09:06.944	-14	0.00029	0	0.00369	10.88	0.00105	68.7
11:09:07.944	-14	0.00029	0	0.00378	11.085	0.00107	68.8
11:09:08.944	-14	0.00026	0	0.00337	9.678	0.000934	68.9
11:09:09.944	-14	0.0002	0	0.00306	7.327	0.000707	69.1

6.90E+00	5.500	3.300	4.297	2.561	-1.300	198.4	57.89984	1870	69.55	81.6	430.644785	485.5
6.20E+00	4.800	3.200	3.726	2.492	-5.200	198	51.00095	1863	69.55	67.9	427.032483	478.40943
5.70E+00	4.000	3.200	3.171	2.532	-0.900		40.09062	1838	68.93	37.6	417.711368	453.686596
4.90E+00	3.200	2.900	2.591	2.343	-0.500		43.43195	1834	68.31	68.1	406.392791	434.250244
4.30E+00	2.600	2.900	2.016	2.291	-1.100		55.3281	1829	67.858	78.6	405.015789	434.603733
4.10E+00	2.300	2.900	1.796	2.265	-1.900		55.88056	1828	67.69	79.2	409.915139	440.873427
3.80E+00	2.100	2.800	1.659	2.184	-4.400		52.91546	1824	67.69	81.4	412.835632	446.146482
3.50E+00	1.800	2.800	1.367	2.181	-1.300		50.33627	1823	67.69	83.3	414.994533	452.318438
3.30E+00	1.400	2.800	1.108	2.177	-4.700	195.8	50.24584	1822	67.69	82.8	414.742155	458.214258
3.10E+00	1.200	2.800	0.932	2.174	-1.700	195.8	50.08413	1815	67.69	82.8	418.536549	462.103516
3.10E+00	1.200	2.800	0.930	2.170	-4.100	195.8	51.49633	1813	67.69	82.8	420.210833	465.947699
3.10E+00	1.200	2.800	0.927	2.162	-4.500	195.8	58.44954	1816	67.69	83.8	412.365385	472.562775
3.10E+00	1.200	2.800	0.928	2.165	-1.700	195.9	59.42447	1814	67.69	82	407.114489	476.944035
3.10E+00	1.200	2.800	0.929	2.167	-5.600	196.3	59.1896	1816	67.69	82.6	409.596552	478.250343
3.10E+00	1.200	2.800	0.929	2.167	-1.500	196.6	58.58258	1818	67.69	84.1	405.064371	478.6
3.10E+00	1.200	2.800	0.929	2.167	-5.400	197	58.93122	1817	67.69	83.2	395.372059	478.6
3.10E+00	1.200	2.800	0.928	2.166	-1.800	197.4	61.01018	1814	67.69	85.2	393.440256	478.6
3.00E+00	1.100	2.800	0.872	2.166	-4.100		62.33556	1811	67.69	83.6	399.75491	479.381197
3.00E+00	1.100	2.800	0.851	2.166	-0.400		63.92257	1811	67.69	82.8	394.896378	479.4
3.00E+00	1.100	2.800	0.852	2.169	-1.100		63.27887	1811	67.273	81.9	390.910843	478.666796
3.00E+00	1.100	2.800	0.853	2.172	-5.500		62.30902	1808	67.07	82.2	391.944231	476.8634
2.90E+00	1.000	2.800	0.776	2.172	-2.700		61.36574	1805	67.07	83.7	396.613061	476.7
2.90E+00	0.900	2.800	0.698	2.172	-6.500		59.289	1798	67.07	83.7	395.085208	475.823214
2.90E+00	0.900	2.800	0.698	2.170	-2.800		60.0069	1796	66.45	83.7	392.390329	478.468493
2.90E+00	0.900	2.800	0.698	2.170	-4.900		60.49496	1791	66.45	83.8	390.573913	479.348134
2.90E+00	0.900	2.800	0.697	2.170	-3.400		61.44595	1784	66.45	83.2	392.137787	478.639104
2.80E+00	0.800	2.800	0.641	2.170	-3.700		60.41229	1779	65.99	83.1	391.482813	478.6
2.70E+00	0.700	2.800	0.563	2.167	-4.100	197.6	59.58518	1772	65.83	84.5	390.284049	478.6
2.60E+00	0.600	2.800	0.463	2.162	-4.200	197.6	68.53172	1767	65.83	82.8	400.765829	483.811739
2.60E+00	0.600	2.800	0.464	2.166	-6.000	197.6	70.63249	1771	65.83	79.1	405.832573	486.5
2.60E+00	0.500	2.800	0.388	2.171	-3.100	197.6	70.01689	1772	65.83	79.7	427.698721	486.5
2.60E+00	0.500	2.800	0.388	2.171	-6.000	197.6	68.74367	1774	66.202	82.1	427.769439	486.990481
2.60E+00	0.500	2.800	0.387	2.168	-3.900	197.9	68.54125	1772	65.83	82.4	426.540125	488.695
2.60E+00	0.600	2.800	0.464	2.166	-3.700	198.3	68.90795	1773	65.83	81.8	426.914761	490.21978
2.60E+00	0.600	2.800	0.464	2.167	-6.100	198.6	69.70319	1775	65.83	81.6	427.099791	490.8
2.60E+00	0.600	2.800	0.464	2.167	-2.000	199	69.72029	1776	65.83	80.4	423.082342	491.196312
2.60E+00	0.600	2.800	0.465	2.168	-8.100	199.4	69.57616	1776	65.83	81.1	424.829053	492.491915
2.60E+00	0.600	2.800	0.465	2.168	-1.500	199.4	68.94153	1776	65.83	82.6	428.245598	493.830183
2.60E+00	0.600	2.800	0.465	2.168	-1.800	199.4	70.09834	1781	66.45	80.5	412.262736	494.859304
2.60E+00	0.600	2.800	0.465	2.168	-0.400	199.4	69.8127	1783	66.45	81.8	390.422365	495.996359
2.60E+00	0.600	2.700	0.465	2.091	-2.600	199.4	69.60344	1784	66.45	80.7	384.320942	496.983351
2.60E+00	0.700	2.700	0.542	2.090	-3.500	199.4	70.33388	1788	66.45	80.1	384.321805	498.570316
2.60E+00	0.700	2.700	0.542	2.090	-3.800	199.4	70.71377	1793	66.45	80.8	385.230943	498.8
2.60E+00	0.600	2.700	0.486	2.090	-5.100	199.4	70.25436	1797	66.78	81.6	385.286705	498.8
2.60E+00	0.600	2.700	0.465	2.091	-1.200	199.4	70.86798	1800	67.07	80	384.84036	498.8
2.60E+00	0.600	2.700	0.466	2.095	-5.300	199.4	68.30426	1804	67.07	72.6	394.746362	497.923504
2.50E+00	0.600	2.600	0.467	2.044	-3.000		40.49229	1797	67.07	77.2	392.89	485.7976

2.62137	0.03256	5.48014	9926.45
2.62174	0.03256	5.48215	9932.015
2.6221	0.03256	5.48292	9936.903
2.62245	0.03256	5.48586	9941.57
2.62282	0.03256	5.491	9948.33
2.62319	0.03256	5.49547	9956.47
2.62352	0.03256	5.49835	9964.299
2.62381	0.03256	5.50112	9971.919
2.62407	0.03256	5.50347	9979.508
2.62432	0.03256	5.50573	9987.249
2.62458	0.03256	5.50809	9995.501
2.62486	0.03256	5.51078	10004.753
2.62515	0.03256	5.51397	10014.069
2.62544	0.03256	5.51757	10023.27
2.62573	0.03256	5.52122	10032.545
2.62602	0.03256	5.52488	10041.84
2.62632	0.03256	5.5284	10051.437
2.62662	0.03256	5.53174	10061.404
2.62693	0.03256	5.53514	10071.531
2.62724	0.03256	5.53858	10081.575
2.62754	0.03256	5.54236	10091.241
2.62782	0.03256	5.5461	10100.463
2.62809	0.03256	5.5497	10109.368
2.62836	0.03256	5.5532	10118.473
2.62863	0.03256	5.55633	10127.604
2.6289	0.03256	5.5595	10136.852
2.62916	0.03256	5.56262	10145.95
2.62942	0.03256	5.56584	10155.47
2.62971	0.03256	5.56919	10166.444
2.63001	0.03256	5.57252	10177.67
2.63029	0.03256	5.57631	10188.442
2.63057	0.03256	5.58048	10198.878
2.63084	0.03256	5.58465	10209.382
2.63113	0.03256	5.5885	10220.128
2.63142	0.03256	5.59216	10230.988
2.63171	0.03256	5.59584	10241.849
2.632	0.03256	5.59951	10252.667
2.63229	0.03256	5.60315	10263.389
2.63258	0.03256	5.60681	10274.133
2.63287	0.03256	5.6105	10284.958
2.63315	0.03256	5.61418	10295.764
2.63344	0.03256	5.61788	10306.633
2.63373	0.03256	5.62159	10317.549
2.63402	0.03256	5.62528	10328.429
2.63431	0.03256	5.62906	10339.514
2.63457	0.03256	5.63243	10349.192
2.63477	0.03256	5.63549	10356.519

11:09:10.944	-14	0.00024	0	0.00408	8.892	0.000858	69.3
11:09:11.944	-14	0.00025	0	0.00382	10.009	0.000966	68.9
11:09:12.944	-14	0.00025	0	0.00299	10.332	0.000997	68.5
11:09:13.944	-14	0.00024	0	0.00342	10.205	0.000985	68.9
11:09:14.944	-14	0.00023	0	0.00348	10.04	0.000969	69.4
11:09:15.944	-14	0.00022	0	0.00345	10.076	0.000972	69.5
11:09:16.944	-14	0.00024	0	0.00365	10.93	0.001055	69.7
11:09:17.944	-14	0.00026	0	0.00408	12.256	0.001182	69.9
11:09:18.944	-14	0.00027	0	0.00422	12.559	0.001212	70.2
11:09:19.944	-14	0.00027	0	0.00423	12.269	0.001184	70.6
11:09:20.944	-14	0.00023	0	0.00366	10.319	0.000996	71
11:09:21.944	-14	0.00021	0	0.00369	9.605	0.000927	71.3
11:09:22.944	-14	0.00021	0	0.00379	10.284	0.000992	71.6
11:09:23.944	-14	0.0002	0	0.00279	9.321	0.0009	71.7
11:09:24.944	-14	0.00016	0	0.00246	6.577	0.000635	71.9
11:09:25.944	-14	0.00012	0	0.00261	5.254	0.000508	71.9
11:09:26.944	-14	0.0001	0	0.00241	4.572	0.000442	72
11:09:27.944	-14	0.00009	0	0.00202	3.942	0.000381	71.5
11:09:28.944	-13.2	0.00008	0.00006	0.00135	3.06	0.000296	70.9
11:09:29.944	-13.8	0.00009	0.00005	0.00072	2.443	0.000236	70.2
11:09:30.944	-14	0.00011	0.00009	0.00237	2.964	0.000287	69.4
11:09:31.944	-14	0.00014	0.00003	0.00409	4.722	0.000457	68.8
11:09:32.944	-14	0.00016	0	0.0048	6.721	0.00065	68.1
11:09:33.944	-13.2	0.0002	0	0.00494	9.507	0.000918	67.9
11:09:34.944	-13.8	0.00022	0	0.00417	11.728	0.001131	67.7
11:09:35.944	-14	0.00022	0	0.00327	11.31	0.001091	67.6
11:09:36.944	-14	0.00019	0	0.00323	9.126	0.000881	67.4
11:09:37.944	-14	0.00015	0	0.00332	7.115	0.000687	67.4
11:09:38.944	-14	0.00015	0	0.00335	6.885	0.000665	67.3
11:09:39.944	-13.2	0.00017	0	0.00364	8.487	0.000819	67
11:09:40.944	-13.8	0.0002	0	0.00347	10.784	0.00104	66.6
11:09:41.944	-14	0.00023	0	0.0027	12.313	0.001187	66.6
11:09:42.944	-13.2	0.00024	0	0.00335	12.363	0.001193	66.6
11:09:43.944	-13.8	0.00025	0	0.00387	12.013	0.001159	67.1
11:09:44.944	-14	0.00024	0	0.00402	11.968	0.001155	67.7
11:09:45.944	-14	0.00024	0	0.00405	11.987	0.001157	68.2
11:09:46.944	-14	0.00022	0	0.00375	10.323	0.000996	68.9
11:09:47.944	-14	0.00015	0	0.00248	5.975	0.000577	69.4
11:09:48.944	-13.2	0.00013	0.00005	0.001	4.49	0.000434	70
11:09:49.944	-13.8	0.00011	0.00002	0.00041	3.131	0.000303	69.8
11:09:50.944	-14	0.00011	0	0.00028	1.753	0.00017	69.5
11:09:51.944	-13.2	0.0001	0	0.00087	0.857	0.000083	68.6
11:09:52.944	-13.8	0.0001	0	0.00173	0.497	0.000048	67.4
11:09:53.944	-14	0.00011	0	0.0024	0.666	0.000065	66.8
11:09:54.944	-14	0.00013	0	0.00416	2.046	0.000199	66.1
11:09:55.944	-14	0.00018	0	0.00752	5.322	0.000516	65.9
11:09:56.944	-14	0.00024	0	0.00706	9.377	0.000906	65.6

2.50E+00	0.600	2.600	0.467	2.022	-3.800		59.61378	1797	66.937	85.7	393.276827	483.8408
2.40E+00	0.500	2.600	0.408	2.013	-3.600		65.55437	1802	67.07	80.1	392.833673	491.441625
2.30E+00	0.400	2.600	0.310	2.014	-1.700		68.01263	1807	67.07	79	395.297959	493.360505
2.30E+00	0.300	2.600	0.251	2.016	-6.100		66.91082	1813	67.07	79.5	394.077551	491.740759
2.20E+00	0.200	2.600	0.155	2.017	-1.300	199.4	66.10036	1815	67.69	80.9	391.578758	490.839667
2.20E+00	0.200	2.600	0.155	2.014	-5.600	199.4	65.60617	1823	67.69	82.3	401.751775	491.804
2.20E+00	0.200	2.600	0.155	2.010	-2.200	199.4	70.85221	1831	67.69	82.7	413.523077	495.171617
2.20E+00	0.200	2.600	0.155	2.009	-5.900	199.4	77.25123	1836	68.31	80.4	418.50375	501.182565
2.10E+00	0.100	2.600	0.097	2.011	-4.200	199.4	80.13675	1847	68.402	80.2	419.844874	504.678443
2.10E+00	0.100	2.600	0.078	2.016	-5.400		79.71779	1859	69.022	80.3	421.0725	505.755411
2.10E+00	0.100	2.600	0.078	2.021	-7.300		68.47442	1865	69.55	82	420.57875	502.747525
2.00E+00	0.100	2.500	0.078	1.944	-2.700		63.46163	1866	69.55	81.6	417.818557	499.566837
2.00E+00	0.100	2.500	0.078	1.937	-5.900		66.90113	1873	69.55	81	421.123431	498.375668
2.10E+00	0.100	2.600	0.078	2.018	-2.200		65.32083	1874	69.55	73.9	419.260438	494.41002
2.10E+00	0.100	2.600	0.078	2.031	-3.500	199.4	44.54726	1871	69.55	75.3	416.32881	482.840602
2.00E+00	0.000	2.500	0.000	1.981	-4.000	199.4	39.1735	1861	69.379	78.4	419.616872	472.121978
2.00E+00	0.000	2.500	0.000	1.960	-3.600	199.4	31.74438	1846	68.542	73.7	422.956367	462.249593
2.00E+00	0.000	2.500	0.000	1.965	-1.400	199.4	27.22752	1832	68.31	26.6	415.752885	444.222574
2.00E+00	0.000	2.500	0.000	1.988	5.000	199.4	27.31665	1812	67.259	35.8	405.323148	419.55266
2.00E+00	0.000	2.500	0.000	2.023	3.400	198.7	30.59644	1792	66.565	51.8	394.819188	402.591837
2.00E+00	0.000	2.500	0.000	2.018	5.600	197.9	35.09943	1778	65.98	60.4	391.67215	396.585314
2.00E+00	0.000	2.500	0.000	1.993	1.500	197.2	45.10805	1772	65.83	75.3	390.918058	399.136025
2.00E+00	0.000	2.500	0.000	1.966	0.000	196.4	48.18092	1761	65.202	82.2	392.070174	409.342158
1.90E+00	0.000	2.500	0.000	1.947	-2.600		63.20571	1755	65.2	86.9	393.298369	428.292786
1.90E+00	0.000	2.500	0.000	1.930	-3.100		73.96848	1754	65.2	80.7	398.344615	450.319646
1.90E+00	0.000	2.500	0.000	1.934	-3.800		72.07667	1753	65.2	79.5	403.429245	464.933828
1.90E+00	0.000	2.500	0.000	1.943	-5.000		61.39739	1750	65.078	76.4	405.051227	468.7
1.90E+00	0.000	2.500	0.000	1.949	-2.500		46.76917	1745	65.098	83.4	406.094015	466.402794
1.90E+00	0.000	2.500	0.000	1.946	-6.000	197.6	46.13156	1732	64.481	85.5	405.048073	465.3
1.90E+00	0.000	2.500	0.000	1.936	-4.000	197.6	54.26709	1732	64.504	89	406.698864	471.096825
1.90E+00	0.000	2.500	0.000	1.920	-4.400	197.6	66.49938	1731	64.58	83.9	408.94261	480.444167
1.90E+00	0.000	2.500	0.000	1.923	-3.600	197.6	71.846	1744	64.693	83.3	409.81454	486.752929
2.00E+00	0.100	2.500	0.077	1.929	-2.700	197.6	77.96246	1759	65.301	80.4	410.089692	491.721912
2.10E+00	0.100	2.600	0.077	1.989	-3.800	197.7	76.15563	1774	65.83	80.9	410.723614	494.6844
2.00E+00	0.100	2.500	0.077	1.952	-1.200	198	76.7622	1789	66.45	83.4	411.478227	498.2744
2.00E+00	0.100	2.500	0.077	1.933	-4.800	198.4	77.13432	1805	67.07	82.1	412.50794	500.905946
2.00E+00	0.100	2.500	0.078	1.938	-1.900	198.8	69.07636	1820	67.69	78.8	410.673984	498.508359
2.20E+00	0.300	2.500	0.213	1.952	-0.700	199.1	30.4076	1820	67.69	73.6	400.103672	485.7044
2.30E+00	0.400	2.500	0.315	1.970	2.900	199.3	35.57734	1799	67.07	43.6	398.012092	462.827273
2.30E+00	0.300	2.500	0.262	2.005	1.500	198.9	30.30824	1785	66.22	0	395.56	427.316416
2.30E+00	0.300	2.500	0.247	2.055	-0.600	198.5	29.87461	1760	65.596	0	391.676879	394.8461
2.30E+00	0.200	2.500	0.168	2.094	-1.200	198.1	29.94347	1740	64.58	0	386.421337	366.744949
2.30E+00	0.200	2.500	0.169	2.107	-3.200	197.7	29.82106	1720	63.96	12.9	380.588918	344.863737
2.30E+00	0.200	2.500	0.168	2.101	-0.600	197.4	30.72075	1711	63.34	39.9	371.936683	333.510412
2.20E+00	0.200	2.500	0.165	2.061	-1.200	197	43.61241	1706	63.34	69.8	371.894025	342.564945
2.20E+00	0.200	2.500	0.160	2.000	-0.200	196.6	57.59712	1710	63.34	82.9	380.718388	373.440833
2.30E+00	0.200	2.800	0.156	2.181	-1.600	196.2	69.58	1722	63.96	86	391.332275	404.679111

2.63501	0.03256	5.63957	10365.411
2.63526	0.03256	5.64339	10375.42
2.63551	0.03256	5.64638	10385.752
2.63575	0.03256	5.6498	10395.957
2.63598	0.03256	5.65328	10405.997
2.6362	0.03256	5.65673	10416.073
2.63644	0.03256	5.66038	10427.003
2.6367	0.03256	5.66446	10439.259
2.63697	0.03256	5.66868	10451.818
2.63724	0.03256	5.67291	10464.087
2.63747	0.03256	5.67657	10474.406
2.63768	0.03256	5.68026	10484.011
2.63789	0.03256	5.68405	10494.295
2.63809	0.03256	5.68684	10503.616
2.63825	0.03256	5.6893	10510.193
2.63837	0.03256	5.69191	10515.447
2.63847	0.03256	5.69432	10520.019
2.63856	0.03256	5.69634	10523.961
2.63864	0.03262	5.69769	10527.021
2.63873	0.03267	5.69841	10529.464
2.63884	0.03276	5.70078	10532.428
2.63898	0.03279	5.70487	10537.15
2.63914	0.03279	5.70967	10543.871
2.63934	0.03279	5.71461	10553.378
2.63956	0.03279	5.71878	10565.106
2.63978	0.03279	5.72205	10576.416
2.63997	0.03279	5.72528	10585.542
2.64012	0.03279	5.7286	10592.657
2.64027	0.03279	5.73195	10599.542
2.64044	0.03279	5.73559	10608.029
2.64064	0.03279	5.73906	10618.813
2.64087	0.03279	5.74176	10631.126
2.64111	0.03279	5.74511	10643.489
2.64136	0.03279	5.74898	10655.502
2.6416	0.03279	5.753	10667.47
2.64184	0.03279	5.75705	10679.457
2.64206	0.03279	5.7608	10689.78
2.64221	0.03279	5.76328	10695.755
2.64234	0.03284	5.76428	10700.245
2.64245	0.03286	5.76469	10703.376
2.64256	0.03286	5.76497	10705.129
2.64266	0.03286	5.76584	10705.986
2.64276	0.03286	5.76757	10706.483
2.64287	0.03286	5.76997	10707.149
2.643	0.03286	5.77413	10709.195
2.64318	0.03286	5.78165	10714.517
2.64342	0.03286	5.78871	10723.894

11:09:57.944	-13.2	0.00028	0	0.00494	11.148	0.001076	64.9
11:09:58.944	-13	0.00022	0	0.0031	7.405	0.000715	64.1
11:09:59.944	-13	0.00019	0	0.00332	6.175	0.000597	65.4
11:10:00.944	-13	0.00025	0	0.00497	9.311	0.000899	66.9
11:10:01.944	-13	0.00023	0	0.0032	9.585	0.000925	67
11:10:02.944	-13	0.00014	0	0.00126	5.331	0.000515	67.1
11:10:03.944	-13	0.00013	0	0.00024	3.503	0.000339	67.1
11:10:04.944	-13.8	0.00011	0	0	1.964	0.00019	67.1
11:10:05.944	-13.2	0.00009	0	0.00101	1.01	0.000098	66.2
11:10:06.944	-13	0.00008	0	0.00131	0.672	0.000065	65.2
11:10:07.944	-13	0.00007	0	0.00148	0.472	0.000046	64.4
11:10:08.944	-13	0.00006	0	0.00144	0.35	0.000034	63.3
11:10:09.944	-13	0.00005	0.00001	0.00126	0.275	0.000027	62.3
11:10:10.944	-13	0.00005	0	0.00113	0.255	0.000025	61.1
11:10:11.944	-13	0.00005	0	0.00123	0.248	0.000024	59
11:10:12.944	-13	0.0001	0	0.00197	0.574	0.000056	56.5
11:10:13.944	-13	0.00014	0	0.00616	2.603	0.000253	55.8
11:10:14.944	-13	0.00017	0	0.0075	7.005	0.000678	55
11:10:15.944	-13	0.00022	0	0.00579	9.909	0.000957	55.2
11:10:16.944	-13	0.00024	0	0.00468	11.07	0.001068	55.5
11:10:17.944	-13	0.00029	0	0.00503	13.996	0.00135	56
11:10:18.944	-13	0.00035	0	0.00529	16.916	0.001631	56.7
11:10:19.944	-13	0.0004	0	0.00535	17.32	0.00167	57.7
11:10:20.944	-13	0.00065	0	0.00664	18.205	0.001755	58.9
11:10:21.944	-13	0.00099	0.00003	0.00728	19.305	0.001861	60.2
11:10:22.944	-13	0.0014	0	0.00692	19.763	0.001905	61.8
11:10:23.944	-13	0.00199	0	0.00712	19.927	0.001921	63.2
11:10:24.944	-13	0.00274	0	0.00721	19.21	0.001853	64.9
11:10:25.944	-13	0.00267	0	0.00525	14.204	0.001371	66.2
11:10:26.944	-13	0.00206	0	0.00265	8.985	0.000868	67.7
11:10:27.944	-13	0.00106	0	0.00166	5.008	0.000484	68.2
11:10:28.944	-13	0.00056	0.00003	0.00207	3.94	0.000381	68.8
11:10:29.944	-13	0.00035	0	0.00267	3.571	0.000346	68.4
11:10:30.944	-13	0.00025	0.00005	0.00121	2.279	0.000221	68
11:10:31.944	-13	0.00017	0	0.00096	1.099	0.000106	67.1
11:10:32.944	-13	0.00012	0.00001	0.00096	0.485	0.000047	66.1
11:10:33.944	-13	0.00007	0.00001	0.00093	0.222	0.000022	64.5
11:10:34.944	-13	0.00006	0	0.00109	0.172	0.000017	62.5
11:10:35.944	-13	0.00013	0.00001	0.00246	0.372	0.000036	61.2
11:10:36.944	-13	0.00018	0	0.00547	2.234	0.000217	59.5
11:10:37.944	-13	0.00029	0.00007	0.00983	7.46	0.000722	59.1
11:10:38.944	-13	0.00033	0	0.00793	11.309	0.001092	58.6
11:10:39.944	-13	0.00033	0.00001	0.00514	11.821	0.001141	59
11:10:40.944	-13	0.00029	0	0.0035	10.266	0.000991	59.6
11:10:41.944	-13	0.00019	0	0.00213	5.999	0.000579	60.3
11:10:42.944	-13	0.00016	0.00002	0.00108	4.898	0.000473	61.2
11:10:43.944	-13	0.00019	0	0.002	5.894	0.000569	61.1

2.50E+00	0.200	3.000	0.155	2.307	-4.500	195.9	80.568	1741	64.842	73.6	404.29125	431.746154
2.60E+00	0.300	3.000	0.214	2.348	-0.500	196.1	23.77	1744	64.876	64.7	411.844256	438.426659
2.60E+00	0.300	3.000	0.236	2.355	-3.500	196.5	43.66224	1744	64.58	78.8	408.83484	435.895054
2.50E+00	0.300	2.900	0.233	2.256	-0.500	196.8	64.36375	1745	64.947	83.9	413.23689	448.752727
2.40E+00	0.300	2.800	0.232	2.187	-4.300	197.2	71.16529	1753	65.2	77	422.55213	462.427282
2.40E+00	0.300	2.800	0.234	2.187	-2.400	197.6	52.00497	1746	64.866	22	424.437578	448.7202
2.50E+00	0.300	2.800	0.240	2.242	-1.200	197.3	41.14583	1725	64.246	19.7	403.425678	410.816949
2.30E+00	0.200	2.600	0.184	2.133	-1.100	196.9	28.66083	1700	63.006	3.4	387.223805	379.911111
2.20E+00	0.200	2.500	0.167	2.081	-1.200	196.5	25.35917	1678	62.358	23.6	372.522812	354.011599
2.10E+00	0.100	2.400	0.104	2.032	-1.400	196.1	23.83449	1650	61.48	1	369.652512	335.2365
2.10E+00	0.100	2.400	0.084	2.019	-2.300	195.7	20.33774	1623	60.139	20.2	371.577589	319.935231
2.10E+00	0.100	2.400	0.084	2.022	-1.600	195.3	18.11503	1595	59.464	0.3	367.391509	308.757284
2.10E+00	0.100	2.400	0.084	2.024	1.000	195	14.01676	1540	57.036	0	370.585273	300.568805
2.10E+00	0.100	2.400	0.084	2.024	-1.500	194.6	13.6452	1474	54.65	0	371.26499	295.188024
2.10E+00	0.100	2.400	0.085	2.028	-1.200	194.2	13.34044	1449	53.813	11.2	375.472353	290.179027
2.10E+00	0.100	2.400	0.084	2.023	-1.100	194	31.45644	1435	53.41	56.7	367.21609	293.165456
2.10E+00	0.100	2.400	0.082	1.973	-2.400	194	49.3798	1436	53.41	78.5	369.825641	320.54524
1.90E+00	0.000	2.400	0.000	1.901	-0.700	194	57.1352	1444	53.41	81.5	375.157715	360.912877
2.10E+00	0.100	2.600	0.078	2.052	-6.000	194	63.01565	1456	54.03	84.3	381.20894	393.90531
2.20E+00	0.100	2.700	0.077	2.084	-1.800	194	64.021	1478	54.65	86.5	384.529106	416.262963
2.20E+00	0.200	2.700	0.134	2.075	-3.600	194.4	83.81804	1502	55.27	89.3	387.734025	439.692927
2.20E+00	0.200	2.700	0.154	2.073	-1.600	195.2	101.33898	1540	56.436	92	389.500699	465.695691
2.50E+00	0.600	2.600	0.462	1.996	-0.500	195.9	100.48705	1583	58.27	93.9	392.023684	485.480215
3.90E+00	2.400	2.600	1.862	1.993	-3.700	196.6	105.49037	1617	59.669	97.5	405.556646	505.115914
5.60E+00	4.800	2.600	3.642	1.989	0.500	197.4	109.59648	1658	60.901	98.7	414.27898	525.388013
7.80E+00	7.700	2.500	5.891	1.913	-2.800	198.1	112.74098	1696	62.801	97.9	415.726559	537.295441
1.08E+01	11.500	2.500	8.834	1.917	-0.200	198.8	116.75055	1738	64.016	96.9	411.576176	545.075908
1.47E+01	16.600	2.500	12.802	1.927	-1.500	199.6	119.23657	1767	65.377	91.6	429.771894	547.358559
1.77E+01	20.200	2.500	15.712	1.945	-1.100	200.3	98.038	1788	66.45	74.5	427.245	535.866089
1.84E+01	20.800	2.600	16.371	2.051	-0.400	201.1	70.39036	1786	66.45	49.1	430.076793	507.992436
1.40E+01	15.000	2.500	11.979	2.021	-0.700	200.9	60.2285	1783	66.45	50.4	412.566875	472.4341
9.20E+00	9.000	2.500	7.235	2.002	1.700	200.5	40.25432	1769	65.83	56.8	403.263438	451.315784
6.40E+00	5.400	2.500	4.349	2.003	-0.400	200.1	30.40301	1750	64.946	13.4	395.59572	427.279775
5.20E+00	3.900	2.500	3.209	2.037	3.500	199.8	29.62867	1719	63.96	0.1	381.606455	392.218465
4.10E+00	2.500	2.500	2.060	2.078	0.000	199.4	26.65784	1679	62.437	0	368.599811	367.130945
3.50E+00	1.800	2.400	1.495	2.020	1.100	198.6	22.35742	1630	60.891	0	361.645665	348.107786
3.10E+00	1.400	2.300	1.143	1.945	1.400	197.9	16.50107	1584	59.016	0	356.955662	334.790619
2.90E+00	1.100	2.300	0.932	1.948	0.200	197.1	13.47	1550	57.716	1.8	356.11384	325.860068
2.80E+00	1.000	2.300	0.847	1.948	0.800	196.3	28.20705	1535	56.87	32.5	360.055684	321.889433
2.70E+00	0.900	2.300	0.767	1.901	0.000	195.8	45.99952	1525	56.51	82.3	359.852212	342.978422
2.60E+00	0.900	2.400	0.719	1.896	2.000	195.8	73.21345	1536	57.13	89.1	363.869303	384.836482
2.70E+00	0.900	2.600	0.700	2.002	-1.500	195.8	76.38108	1559	57.482	84.7	365.4	422.438684
2.80E+00	0.900	2.700	0.697	2.090	0.300	195.8	73.68803	1577	58.764	83.3	369.054593	446.384615
2.80E+00	0.900	2.700	0.697	2.092	-0.600	195.8	68.93216	1590	58.99	78.6	378.754796	459.666376
2.80E+00	0.900	2.700	0.703	2.108	-1.500	196	35.73025	1591	58.99	75.3	377.287292	453.137862
2.80E+00	0.900	2.700	0.707	2.122	1.200	196.4	33.92336	1582	58.99	81.9	376.695833	440.566434
2.80E+00	0.900	2.700	0.705	2.114	-1.500	196.7	42.47472	1577	58.37	90.4	377.189144	439.517582

2.6437	0.03286	5.79365	10735.042
2.64392	0.03286	5.79675	10742.447
2.64411	0.03286	5.80007	10748.622
2.64436	0.03286	5.80504	10757.933
2.64459	0.03286	5.80824	10767.518
2.64473	0.03286	5.8095	10772.849
2.64486	0.03286	5.80974	10776.352
2.64497	0.03286	5.80974	10778.316
2.64506	0.03286	5.81075	10779.326
2.64514	0.03286	5.81206	10779.998
2.64521	0.03286	5.81354	10780.47
2.64527	0.03286	5.81498	10780.82
2.64532	0.03287	5.81624	10781.095
2.64537	0.03287	5.81737	10781.35
2.64542	0.03287	5.8186	10781.598
2.64552	0.03287	5.82057	10782.172
2.64566	0.03287	5.82673	10784.775
2.64583	0.03287	5.83423	10791.78
2.64605	0.03287	5.84002	10801.689
2.64629	0.03287	5.8447	10812.759
2.64658	0.03287	5.84973	10826.755
2.64693	0.03287	5.85502	10843.671
2.64733	0.03287	5.86037	10860.991
2.64798	0.03287	5.86701	10879.196
2.64897	0.0329	5.87429	10898.501
2.65037	0.0329	5.88121	10918.264
2.65236	0.0329	5.88833	10938.191
2.6551	0.0329	5.89554	10957.401
2.65777	0.0329	5.90079	10971.605
2.65983	0.0329	5.90344	10980.59
2.66089	0.0329	5.9051	10985.598
2.66145	0.03293	5.90717	10989.538
2.6618	0.03293	5.90984	10993.109
2.66205	0.03298	5.91105	10995.388
2.66222	0.03298	5.91201	10996.487
2.66234	0.03299	5.91297	10996.972
2.66241	0.033	5.9139	10997.194
2.66247	0.033	5.91499	10997.366
2.6626	0.03301	5.91745	10997.738
2.66278	0.03301	5.92292	10999.972
2.66307	0.03308	5.93275	11007.432
2.6634	0.03308	5.94068	11018.741
2.66373	0.03309	5.94582	11030.562
2.66402	0.03309	5.94932	11040.828
2.66421	0.03309	5.95145	11046.827
2.66437	0.03311	5.95253	11051.725
2.66456	0.03311	5.95453	11057.619

11:10:44.944	-13	0.00025	0.00007	0.00399	9.167	0.000885	60.9
11:10:45.944	-13	0.00031	0	0.00469	12.741	0.001228	60.8
11:10:46.944	-13	0.00032	0.00004	0.00333	12.836	0.001238	60.6
11:10:47.944	-13	0.00032	0	0.00331	12.36	0.001192	61.1
11:10:48.944	-13	0.00033	0	0.00333	12.323	0.001189	61.7
11:10:49.944	-13	0.00033	0.00005	0.00332	12.1	0.001167	62.1
11:10:50.944	-13	0.00031	0	0.0033	10.623	0.001025	62.7
11:10:51.944	-13	0.00031	0.00005	0.00352	10.548	0.001018	63.2
11:10:52.944	-13	0.0003	0	0.00334	9.829	0.000948	63.8
11:10:53.944	-13	0.00026	0.00005	0.00298	8.426	0.000813	64.1
11:10:54.944	-13	0.00025	0	0.0034	8.66	0.000836	64.4
11:10:55.944	-13	0.00025	0	0.00312	9.026	0.000871	64.5
11:10:56.944	-13	0.00023	0.00004	0.00302	8.992	0.000868	64.7
11:10:57.944	-13	0.0002	0	0.00287	8.33	0.000804	64.7
11:10:58.944	-13	0.00019	0	0.00278	7.431	0.000717	64.8
11:10:59.944	-13	0.00019	0	0.00306	7.635	0.000737	64.9
11:11:00.944	-13	0.0002	0.00004	0.00288	8.485	0.000819	65
11:11:01.944	-13	0.0002	0	0.00257	8.979	0.000866	65.2
11:11:02.944	-13	0.00021	0	0.00257	9.376	0.000904	65.5
11:11:03.944	-13	0.00023	0	0.00271	9.81	0.000946	65.9
11:11:04.944	-13	0.00024	0	0.00291	10.611	0.001024	66.3
11:11:05.944	-13	0.00024	0	0.00299	10.772	0.001039	66.8
11:11:06.944	-13	0.00024	0	0.00299	10.654	0.001028	67.4
11:11:07.944	-13	0.00024	0	0.00292	10.344	0.000998	68
11:11:08.944	-13	0.00024	0	0.00293	10.363	0.001	68.7
11:11:09.944	-13	0.00021	0	0.00257	9.009	0.000869	69.1
11:11:10.944	-13	0.00014	0	0.00165	5.406	0.000522	69.6
11:11:11.944	-13	0.00013	0	0.00154	4.555	0.00044	69.8
11:11:12.944	-13	0.00013	0.00007	0.00129	4.318	0.000417	70.1
11:11:13.944	-13	0.00015	0.00003	0.00213	5.265	0.000509	69.8
11:11:14.944	-13	0.00016	0.00007	0.0021	5.639	0.000545	69.4
11:11:15.944	-13.8	0.00015	0	0.00188	5.778	0.000558	69.2
11:11:16.944	-13.2	0.00014	0.00001	0.00183	5.75	0.000555	69
11:11:17.944	-13	0.00014	0	0.00186	5.941	0.000574	68.8
11:11:18.944	-13	0.00018	0	0.00235	7.866	0.000759	68.6
11:11:19.944	-13	0.00023	0	0.00347	10.755	0.001038	68.4
11:11:20.944	-13	0.00025	0	0.00306	11.851	0.001143	68.2
11:11:21.944	-13	0.00025	0	0.00284	11.59	0.001118	68.4
11:11:22.944	-13.8	0.00025	0	0.00316	11.338	0.001094	68.7
11:11:23.944	-13.2	0.00025	0	0.00317	11.346	0.001095	69
11:11:24.944	-13	0.00024	0	0.00309	10.94	0.001056	69.4
11:11:25.944	-13	0.00023	0	0.00335	10.124	0.000977	69.7
11:11:26.944	-13	0.00022	0	0.00301	9.572	0.000924	70
11:11:27.944	-13	0.00022	0	0.00276	9.52	0.000919	70.1
11:11:28.944	-13	0.00016	0	0.00213	6.899	0.000666	70.2
11:11:29.944	-13.8	0.00015	0	0.00238	6.297	0.000608	70.1
11:11:30.944	-13.2	0.00018	0	0.00272	7.222	0.000697	70

2.70E+00	0.900	2.600	0.696	2.030	2.600	197.1	57.98107	1580	58.401	94.6	394.295122	457.12751
2.70E+00	0.900	2.600	0.689	1.991	-0.800	197.5	75.72805	1592	58.99	87	402.89	480.930115
2.70E+00	0.900	2.600	0.691	1.997	1.100	197.9	76.18715	1607	59.62	83.6	400.684524	489.656801
2.70E+00	0.900	2.600	0.693	2.003	-0.500	198.3	74.67842	1623	60.24	84.2	422.61504	494.009358
2.80E+00	1.000	2.600	0.771	2.005	-0.700	198.7	76.94886	1640	60.86	83.1	423.728571	496.74845
2.70E+00	1.000	2.500	0.772	1.951	1.400	199	76.22806	1656	61.339	82	417.559615	498.702174
2.90E+00	1.300	2.500	0.986	1.933	-2.300	199.4	69.14981	1662	61.48	82.8	408.053846	498.730769
2.90E+00	1.300	2.500	1.005	1.933	1.600	199.4	66.5586	1673	62.1	82.7	408.807985	498.412267
3.00E+00	1.400	2.500	1.065	1.936	-0.800	199.4	61.96403	1677	62.1	75	409.89817	494.82485
3.00E+00	1.400	2.500	1.086	1.940	1.800	199.4	55.13899	1678	62.103	85.3	405.492931	489.193535
2.90E+00	1.200	2.500	0.948	1.936	-0.500	199.4	55.23023	1682	62.72	86.7	391.054348	487.4
2.80E+00	1.100	2.500	0.850	1.933	-0.200		56.58467	1685	62.72	84.7	394.058688	486.132713
2.60E+00	0.800	2.500	0.657	1.934	1.400		58.13582	1689	62.72	81.9	394.655534	484.38247
2.30E+00	0.500	2.500	0.407	1.938	-0.400		52.17459	1692	62.72	77.6	396.178983	478.634646
2.30E+00	0.500	2.500	0.389	1.945	-1.200		48.36327	1695	62.8	83.2	393.743587	473.523577
2.30E+00	0.500	2.500	0.388	1.941	-4.000		49.2465	1699	63.34	86	392.139923	473.485542
2.30E+00	0.500	2.500	0.387	1.933	1.500	199.4	53.1825	1703	63.34	88.1	392.631538	477.055224
2.30E+00	0.500	2.500	0.386	1.930	-2.500	199.4	57.355	1714	63.96	83.1	394.027457	479.720221
2.30E+00	0.500	2.500	0.386	1.930	-1.900	199.4	58.77713	1723	63.96	85.3	394.968966	480.894306
2.30E+00	0.500	2.500	0.386	1.932	-1.300	199.4	62.98912	1736	64.58	84	393.450916	482.347239
2.30E+00	0.500	2.500	0.386	1.930	-3.200	199.4	66.91513	1754	65.2	83.8	394.231118	486.510989
2.20E+00	0.500	2.400	0.386	1.855	-0.500		67.80132	1771	65.83	81.4	396.461815	488.2
2.20E+00	0.500	2.400	0.387	1.857	-2.600		66.92937	1784	66.45	82.6	399.328107	489.386813
2.20E+00	0.500	2.400	0.387	1.858	-0.300		67.24434	1800	67.07	81.9	400.40229	491.118064
2.30E+00	0.600	2.400	0.465	1.858	-3.100		67.5242	1813	67.203	81.2	398.512735	492.318515
2.30E+00	0.600	2.400	0.465	1.859	-1.700		65.45094	1822	67.69	74.7	399.433302	491.368976
2.30E+00	0.600	2.400	0.468	1.871	-1.600	199.3	35.51289	1825	67.69	52.1	401.530608	476.081182
2.40E+00	0.600	2.400	0.472	1.889	-0.300	199	33.11921	1816	67.69	60.1	399.534623	457.982816
2.30E+00	0.600	2.300	0.475	1.840	4.400	198.6	34.59842	1806	67.07	59.8	392.916862	443.887143
2.30E+00	0.600	2.300	0.474	1.818	1.300	198.2	41.62056	1800	67.07	72.9	387.605464	437.896667
2.30E+00	0.600	2.300	0.472	1.810	3.400	197.9	44.75053	1798	66.927	75.5	389.71985	438.774272
2.20E+00	0.500	2.300	0.391	1.800	-1.500		42.89413	1791	66.45	76.3	385.178962	440.717807
2.20E+00	0.500	2.300	0.391	1.798	0.500		41.74428	1787	66.45	77.3	386.052591	441.717211
2.20E+00	0.500	2.300	0.391	1.796	-0.500		41.89302	1781	66.241	78.1	387.925281	443.196925
2.20E+00	0.500	2.300	0.389	1.790	-0.300		49.90167	1775	65.83	79.5	386.801143	445.56134
2.20E+00	0.500	2.300	0.387	1.779	-0.800		73.00653	1780	66.062	84.3	387.870713	465.701366
2.20E+00	0.500	2.300	0.385	1.772	-2.000		72.95682	1788	66.45	81	393.343436	479.510956
2.20E+00	0.500	2.300	0.386	1.777	-1.000		72.35049	1797	66.644	81.8	396.686389	486.030167
2.20E+00	0.500	2.300	0.386	1.777	-3.900		71.56173	1807	67.07	82.4	399.263926	489.914371
2.20E+00	0.500	2.300	0.387	1.778	-3.200		72.22902	1813	67.294	82.1	396.541895	493.477536
2.20E+00	0.500	2.300	0.387	1.781	-5.100		70.84722	1823	67.69	80.4	399.531226	493.625872
2.20E+00	0.600	2.300	0.465	1.783	-2.600	197.6	66.5177	1825	67.69	81.9	394.673589	492.045484
2.30E+00	0.600	2.300	0.466	1.785	-2.800	197.6	63.15449	1826	67.69	81.9	390.104113	489.380308
2.30E+00	0.600	2.300	0.466	1.785	-3.300	197.6	62.93834	1826	67.69	82	398.265235	487.440476
2.20E+00	0.600	2.200	0.466	1.729	-1.000	197.6	44.77176	1819	67.69	81.3	415.423529	482.835256
2.20E+00	0.600	2.200	0.469	1.718	-2.500	197.6	39.87602	1809	67.07	82.5	413.99816	467.929285
2.20E+00	0.600	2.200	0.469	1.718	-0.200	197.6	50.46613	1801	67.07	82.4	410.614927	465.082272

2.66481	0.03318	5.95852	11066.786
2.66512	0.03318	5.96321	11079.527
2.66544	0.03322	5.96654	11092.363
2.66576	0.03322	5.96985	11104.723
2.66609	0.03322	5.97318	11117.046
2.66642	0.03327	5.9765	11129.146
2.66673	0.03327	5.9798	11139.769
2.66704	0.03332	5.98332	11150.317
2.66734	0.03332	5.98666	11160.146
2.6676	0.03337	5.98964	11168.572
2.66785	0.03337	5.99304	11177.232
2.6681	0.03337	5.99616	11186.258
2.66833	0.03341	5.99918	11195.25
2.66853	0.03341	6.00205	11203.58
2.66872	0.03341	6.00483	11211.011
2.66891	0.03341	6.00789	11218.646
2.66911	0.03345	6.01077	11227.131
2.66931	0.03345	6.01334	11236.11
2.66952	0.03345	6.01591	11245.486
2.66975	0.03345	6.01862	11255.296
2.66999	0.03345	6.02153	11265.907
2.67023	0.03345	6.02452	11276.679
2.67047	0.03345	6.02751	11287.333
2.67071	0.03345	6.03043	11297.677
2.67095	0.03345	6.03336	11308.04
2.67116	0.03345	6.03593	11317.049
2.6713	0.03345	6.03758	11322.455
2.67143	0.03345	6.03912	11327.01
2.67156	0.03352	6.04041	11331.328
2.67171	0.03355	6.04254	11336.593
2.67187	0.03362	6.04464	11342.232
2.67202	0.03362	6.04652	11348.01
2.67216	0.03363	6.04835	11353.76
2.6723	0.03363	6.05021	11359.701
2.67248	0.03363	6.05256	11367.567
2.67271	0.03363	6.05603	11378.322
2.67296	0.03363	6.05909	11390.173
2.67321	0.03363	6.06193	11401.763
2.67346	0.03363	6.06509	11413.101
2.67371	0.03363	6.06826	11424.447
2.67395	0.03363	6.07135	11435.387
2.67418	0.03363	6.0747	11445.511
2.6744	0.03363	6.07771	11455.083
2.67462	0.03363	6.08047	11464.603
2.67478	0.03363	6.0826	11471.502
2.67493	0.03363	6.08498	11477.799
2.67511	0.03363	6.0877	11485.021

11:11:31.944	-13.8	0.0002	0	0.00313	8.843	0.000853	69.7
11:11:32.944	-14	0.00024	0	0.00336	11.204	0.001081	69.3
11:11:33.944	-14	0.00025	0	0.00325	11.928	0.00115	69.3
11:11:34.944	-14	0.00025	0	0.00342	11.557	0.001115	69.3
11:11:35.944	-14	0.00025	0	0.00387	11.439	0.001104	69.6
11:11:36.944	-14	0.00025	0	0.00384	11.34	0.001094	69.9
11:11:37.944	-14	0.00025	0	0.00391	11.531	0.001113	70.1
11:11:38.944	-14	0.00025	0	0.00392	11.547	0.001114	70.3
11:11:39.944	-14	0.00026	0	0.00397	11.677	0.001127	70.6
11:11:40.944	-14	0.00026	0	0.004	11.774	0.001136	70.9
11:11:41.944	-14	0.00026	0	0.00407	11.935	0.001152	70.5
11:11:42.944	-14	0.00025	0	0.00392	11.324	0.001093	70
11:11:43.944	-14	0.00026	0	0.00394	11.382	0.001098	71
11:11:44.944	-14	0.00026	0	0.0041	12.083	0.001166	72.3
11:11:45.944	-14	0.00028	0	0.00398	12.749	0.00123	72.3
11:11:46.944	-14	0.00029	0	0.00377	12.721	0.001227	72.3
11:11:47.944	-14	0.00029	0	0.00436	12.675	0.001223	72.6
11:11:48.944	-14	0.00021	0	0.00315	8.467	0.000817	73
11:11:49.944	-14	0.00016	0.00003	0.00082	4.585	0.000443	73.2
11:11:50.944	-14	0.00016	0	0.00185	3.41	0.00033	73.4
11:11:51.944	-14	0.00018	0.00001	0.00377	4.604	0.000446	72.9
11:11:52.944	-14	0.00016	0	0.00374	5.144	0.000497	72.2
11:11:53.944	-14	0.00016	0.00002	0.00265	5.381	0.00052	72
11:11:54.944	-14	0.00015	0	0.00195	5.559	0.000537	71.8
11:11:55.944	-14	0.00015	0	0.0016	5.774	0.000558	71.8
11:11:56.944	-14	0.00015	0	0.00173	5.891	0.000569	71.7
11:11:57.944	-14	0.00013	0	0.00162	5.058	0.000488	71.7
11:11:58.944	-14	0.00012	0.00004	0.00152	4.717	0.000456	71.7
11:11:59.944	-14	0.00012	0.00004	0.00153	4.388	0.000424	71.7
11:12:00.944	-14	0.00013	0.00014	0.00156	4.139	0.0004	71.7
11:12:01.944	-14	0.00012	0.00011	0.00189	3.672	0.000355	71.7
11:12:02.944	-14	0.00011	0.00011	0.00148	3.244	0.000314	71.7
11:12:03.944	-14	0.00012	0.00015	0.00105	2.803	0.000271	71.7
11:12:04.944	-14	0.00012	0.00007	0.00126	2.546	0.000246	71.7
11:12:05.944	-14	0.00013	0.00009	0.00235	3.363	0.000325	71.7
11:12:06.944	-14	0.00013	0.00002	0.00255	3.249	0.000314	71.7
11:12:07.944	-14	0.00012	0.00006	0.00102	2.263	0.000219	71.8
11:12:08.944	-14	0.00011	0	0.00041	1.189	0.000115	72
11:12:09.944	-14	0.00011	0	0.0009	0.601	0.000058	71.6
11:12:10.944	-14	0.00011	0	0.00148	0.374	0.000036	71.2
11:12:11.944	-14	0.0001	0	0.00086	0.268	0.000026	70.9
11:12:12.944	-14	0.0001	0.00001	0.00109	0.218	0.000021	70.5
11:12:13.944	-14	0.0001	0	0.0013	0.181	0.000019	70.1
11:12:14.944	-14	0.0001	0.00002	0.00134	0.193	0.000019	69.7
11:12:15.944	-14	0.00011	0	0.0025	0.46	0.000045	69.4
11:12:16.944	-14	0.00013	0.00004	0.00442	1.608	0.000156	69
11:12:17.944	-14	0.00014	0.00005	0.00528	3.618	0.000351	69.1

2.20E+00	0.600	2.200	0.466	1.708	-2.000	197.6	58.59082	1799	67.07	86.1	410.904082	470.617845
2.20E+00	0.600	2.200	0.463	1.698	-1.700	197.6	72.74933	1804	67.07	82.6	421.584615	483.374694
2.20E+00	0.600	2.200	0.462	1.695	-1.500	197.6	74.5305	1812	67.261	79.1	427.406316	491.422354
2.20E+00	0.600	2.200	0.464	1.699	-4.400	197.6	73.56742	1817	67.69	81	427.77438	493.882308
2.20E+00	0.600	2.200	0.464	1.700	0.000	197.6	73.31342	1823	68.02	82.9	438.718012	495.942714
2.20E+00	0.600	2.200	0.464	1.701	-4.600	197.6	72.69126	1829	68.099	83.5	436.688706	497.889219
2.20E+00	0.600	2.200	0.464	1.701	-1.200	197.6	73.6878	1836	68.31	82.7	412.37075	499.383692
2.20E+00	0.600	2.200	0.464	1.701	-3.300	197.6	74.16448	1843	68.31	82.4	399.560698	499.7
2.20E+00	0.600	2.200	0.464	1.701	-1.900	197.8	75.12989	1853	68.93	82.6	394.847677	501.306154
2.20E+00	0.600	2.200	0.464	1.701	-1.600	198.1	75.00107	1858	68.93	82.2	401.433784	502.361783
2.20E+00	0.600	2.200	0.464	1.701	-3.600	198.5	77.17499	1866	69.375	80.6	400.073944	502.4
2.20E+00	0.600	2.200	0.465	1.704	-0.400	198.8	73.56745	1872	69.55	80.6	401.748954	498.939877
2.20E+00	0.600	2.200	0.465	1.704	-4.000	199.2	74.61608	1876	69.729	83.2	399.303556	499.649657
2.10E+00	0.500	2.300	0.387	1.758	-0.300	199.4	78.35373	1882	70.095	82.7	410.027041	500.693913
2.20E+00	0.500	2.300	0.386	1.776	-2.700	199.4	81.645	1890	70.17	80.9	425.804615	503.3
2.20E+00	0.600	2.300	0.443	1.779	-0.600	199.4	81.98823	1900	70.79	80.8	439.099231	503.3
2.20E+00	0.600	2.300	0.465	1.781	-1.600	199.4	81.58852	1907	71.086	80.8	443.852778	502.9809
2.30E+00	0.600	2.300	0.468	1.793	-1.500	199.4	72.03955	1905	70.79	69	433.730697	493.372288
2.40E+00	0.700	2.300	0.557	1.831	1.400	199	39.72876	1890	70.316	3.1	427.975614	454.991468
2.40E+00	0.700	2.200	0.569	1.787	-1.600	198.7	57.60501	1874	69.55	60.5	406.260952	423.862167
2.30E+00	0.700	2.200	0.564	1.771	0.600	198.3	46.92333	1869	69.55	72.8	404.402079	422.1
2.30E+00	0.700	2.200	0.556	1.746	-0.400	197.9	41.95876	1866	69.55	71.7	401.441415	422.1
2.30E+00	0.700	2.200	0.552	1.736	0.900	197.6	42.00302	1866	69.55	75.7	401.469886	423.979212
2.20E+00	0.600	2.200	0.471	1.728	-0.500	197.6	42.70942	1863	68.93	76.9	402.981635	427.718235
2.30E+00	0.600	2.300	0.470	1.781	-0.600	197.6	42.0658	1865	68.93	78.4	403.600345	431.490751
2.30E+00	0.600	2.300	0.469	1.797	-0.200	197.6	42.68676	1864	69.55	76.6	402.771471	434.875806
2.30E+00	0.600	2.300	0.469	1.797	-0.400	197.6	35.0493	1866	69.55	72.4	400.661521	435.00087
2.30E+00	0.600	2.300	0.469	1.799	2.500	197.5	33.83947	1864	69.55	55.3	400.334216	427.647257
2.30E+00	0.600	2.300	0.472	1.809	2.700	197.2	34.95648	1863	69.55	53.5	398.515112	416.941895
2.30E+00	0.600	2.300	0.475	1.819	8.700	196.8	35.25887	1866	69.55	53.8	396.804649	406.554671
2.30E+00	0.600	2.300	0.477	1.827	7.400	196.4	33.05118	1864	69.55	47.5	393.829331	394.992092
2.30E+00	0.600	2.300	0.479	1.837	7.400	196	32.02523	1863	69.335	35.2	390.446831	378.834074
2.30E+00	0.600	2.200	0.484	1.798	10.100	195.7	34.32548	1861	68.93	37.6	389.486857	360.280792
2.30E+00	0.600	2.200	0.488	1.789	4.400	195.3	35.49886	1867	69.55	61.8	390.25738	356.188722
2.30E+00	0.600	2.200	0.483	1.770	5.500	194.9	36.96441	1868	69.55	44.5	390.173491	358.897225
2.30E+00	0.600	2.200	0.483	1.770	1.000	194.6	35.92867	1870	69.55	13.8	387.971667	345.046939
2.30E+00	0.600	2.200	0.490	1.795	4.000	194.2	32.48573	1865	69.55	0.4	383.10122	323.487771
2.30E+00	0.600	2.200	0.499	1.830	-0.500		31.16668	1850	68.93	0	381.49816	305.757286
2.40E+00	0.600	2.200	0.505	1.851	0.200		30.87265	1844	68.31	0	381.157143	292.574853
2.30E+00	0.500	2.200	0.445	1.859	-0.400		30.99784	1835	68.31	0	381.451029	281.608696
2.30E+00	0.500	2.200	0.423	1.863	-0.800		30.55078	1826	67.69	0	377.80625	271.84898
2.20E+00	0.400	2.200	0.339	1.864	0.800		29.68018	1814	67.243	0	378.764617	263.757786
2.30E+00	0.500	2.200	0.399	1.861	-2.700	192.2	29.76007	1802	67.07	4.5	365.968659	257.029562
2.30E+00	0.500	2.200	0.423	1.861	1.200	192.2	28.28147	1795	66.455	27	359.635833	251.746199
2.20E+00	0.400	2.200	0.338	1.857	0.000	192.2	38.52061	1791	66.45	47.5	362.456442	254.596016
2.20E+00	0.400	2.200	0.332	1.825	2.100	192.2	39.72209	1798	67.064	61.7	362.489796	275.286065
2.10E+00	0.400	2.200	0.323	1.778	2.300	192.2	41.14612	1809	67.07	70.5	370.413636	300.417699

2.67531	0.03363	6.09083	11493.864
2.67555	0.03363	6.09419	11505.068
2.6758	0.03363	6.09744	11516.996
2.67605	0.03363	6.10086	11528.553
2.6763	0.03363	6.10473	11539.992
2.67655	0.03363	6.10857	11551.332
2.6768	0.03363	6.11248	11562.863
2.67705	0.03363	6.1164	11574.41
2.67731	0.03363	6.12037	11586.087
2.67757	0.03363	6.12437	11597.861
2.67783	0.03363	6.12844	11609.796
2.67808	0.03363	6.13236	11621.12
2.67834	0.03363	6.1363	11632.502
2.6786	0.03363	6.1404	11644.585
2.67888	0.03363	6.14438	11657.334
2.67917	0.03363	6.14815	11670.055
2.67946	0.03363	6.15251	11682.73
2.67967	0.03363	6.15566	11691.197
2.67983	0.03366	6.15648	11695.782
2.67999	0.03366	6.15833	11699.192
2.68017	0.03367	6.1621	11703.796
2.68033	0.03367	6.16584	11708.94
2.68049	0.03369	6.16849	11714.321
2.68064	0.03369	6.17044	11719.88
2.68079	0.03369	6.17204	11725.654
2.68094	0.03369	6.17377	11731.545
2.68107	0.03369	6.17539	11736.603
2.68119	0.03373	6.17691	11741.32
2.68131	0.03377	6.17844	11745.708
2.68144	0.03391	6.18	11749.847
2.68156	0.03402	6.18189	11753.519
2.68167	0.03413	6.18337	11756.763
2.68179	0.03428	6.18442	11759.566
2.68191	0.03435	6.18568	11762.112
2.68204	0.03444	6.18803	11765.475
2.68217	0.03446	6.19058	11768.724
2.68229	0.03452	6.1916	11770.987
2.6824	0.03452	6.19201	11772.176
2.68251	0.03452	6.19291	11772.777
2.68262	0.03452	6.19439	11773.151
2.68272	0.03452	6.19525	11773.419
2.68282	0.03453	6.19634	11773.637
2.68292	0.03453	6.19764	11773.818
2.68302	0.03455	6.19898	11774.011
2.68313	0.03455	6.20148	11774.471
2.68326	0.03459	6.2059	11776.079
2.6834	0.03464	6.21118	11779.697

11:12:18.944	-14	0.00014	0.00003	0.00399	4.778	0.000462	69.2
11:12:19.944	-14	0.00014	0.00003	0.00234	5.188	0.000501	69.6
11:12:20.944	-14	0.00014	0.00001	0.00205	5.235	0.000506	70
11:12:21.944	-14	0.00015	0.00013	0.00224	5.45	0.000527	70.2
11:12:22.944	-14	0.00015	0.00004	0.00215	5.686	0.000549	70.5
11:12:23.944	-14	0.00015	0.00005	0.00185	5.865	0.000566	70.9
11:12:24.944	-14	0.00015	0.00002	0.00152	5.897	0.000569	71.3
11:12:25.944	-14	0.00015	0.00001	0.00146	5.84	0.000564	71.6
11:12:26.944	-14	0.00014	0.00005	0.00144	5.71	0.000551	72
11:12:27.944	-14	0.00014	0	0.00136	5.378	0.000519	72.3
11:12:28.944	-14	0.00014	0.00011	0.00145	5.281	0.00051	72.7
11:12:29.944	-14	0.00014	0.00004	0.00172	5.108	0.000493	73
11:12:30.944	-14	0.00014	0.0001	0.00197	4.829	0.000467	73.3
11:12:31.944	-14	0.00014	0.00005	0.00231	4.78	0.000462	73.4
11:12:32.944	-14	0.00015	0.0001	0.00291	5.293	0.000512	73.5
11:12:33.944	-14	0.00015	0.00011	0.00282	5.245	0.000507	73.6
11:12:34.944	-14	0.00014	0.00002	0.00227	4.871	0.000471	73.8
11:12:35.944	-14	0.00011	0.00007	0.00168	4.203	0.000406	73.9
11:12:36.944	-14	0.00011	0.00005	0.00091	3.409	0.00033	74.1
11:12:37.944	-14	0.00011	0.00012	0.00043	2.747	0.000266	73.8
11:12:38.944	-14	0.00012	0.00011	0.00192	3.061	0.000296	73.4
11:12:39.944	-14	0.00012	0.00017	0.00235	3.737	0.000362	73.2
11:12:40.944	-14	0.00013	0.00016	0.00135	2.632	0.000255	73
11:12:41.944	-14	0.00012	0.00008	0.00155	2.359	0.000228	72.4
11:12:42.944	-14	0.00014	0.00011	0.00387	3.649	0.000353	71.7
11:12:43.944	-14	0.00014	0.00005	0.00307	4.824	0.000466	71.4
11:12:44.944	-14	0.00015	0.00011	0.00225	5.451	0.000527	71
11:12:45.944	-14	0.00014	0.00001	0.00167	5.205	0.000503	70.6
11:12:46.944	-14	0.00013	0.00002	0.00139	4.963	0.000479	70
11:12:47.944	-14	0.00014	0.00002	0.00148	5.202	0.000503	69.4
11:12:48.944	-14	0.00016	0.00002	0.00205	6.419	0.00062	68.7
11:12:49.944	-14	0.00018	0.00003	0.00296	7.569	0.000731	68.2
11:12:50.944	-14	0.00018	0	0.00268	8.088	0.00078	67.6
11:12:51.944	-14	0.00021	0	0.00235	9.214	0.000889	67.3
11:12:52.944	-14	0.00023	0	0.00219	10.868	0.001048	66.9
11:12:53.944	-14	0.00028	0	0.00206	12.993	0.001253	66.6
11:12:54.944	-14	0.00031	0	0.00225	13.771	0.001328	66.3
11:12:55.944	-14	0.00024	0	0.00211	9.717	0.000938	66.4
11:12:56.944	-14	0.00019	0.00003	0.00239	7.517	0.000726	66.6
11:12:57.944	-13.2	0.0002	0	0.00261	7.799	0.000753	66.4
11:12:58.944	-13	0.00024	0.00006	0.00262	10.602	0.001023	66.1
11:12:59.944	-13	0.00026	0	0.00177	10.907	0.001052	65.8
11:13:00.944	-13	0.00024	0.00001	0.00168	10.021	0.000967	65.4
11:13:01.944	-13	0.00022	0	0.0024	9.377	0.000905	65.2
11:13:02.944	-13	0.00022	0	0.00229	9.098	0.000878	65
11:13:03.944	-13	0.0002	0.00004	0.00212	8.427	0.000813	64.9
11:13:04.944	-13	0.00035	0	0.00513	15.543	0.001499	64.8

2.10E+00	0.400	2.200	0.318	1.750	1.300	192.2	41.6115	1815	67.631	73.2	374.689189	318.315604
2.10E+00	0.400	2.300	0.316	1.796	1.700	192.2	41.24705	1825	67.69	74.8	368.743544	332.930732
2.20E+00	0.500	2.300	0.394	1.811	0.300	192.2	39.96448	1832	68.31	76.3	365.128481	343.550259
2.20E+00	0.500	2.300	0.393	1.807	6.600	192.2	40.41488	1842	68.31	78.8	372.79093	353.73159
2.20E+00	0.500	2.300	0.392	1.802	2.000		41.047	1852	68.93	77.5	378.844815	362.711206
2.20E+00	0.600	2.300	0.448	1.798	2.300		41.6887	1861	69.024	76.9	379.114394	370.566928
2.30E+00	0.600	2.300	0.468	1.795	0.900		41.73692	1872	69.55	77.2	379.931154	375.726706
2.30E+00	0.600	2.300	0.468	1.794	0.400		41.31041	1882	70.17	76.5	379.673939	379.135066
2.30E+00	0.600	2.300	0.468	1.795	2.300		40.91426	1889	70.17	74.2	379.570566	380.655447
2.30E+00	0.700	2.300	0.526	1.796	-0.300	192.2	39.05025	1896	70.786	71.7	378.856781	380.470257
2.30E+00	0.700	2.300	0.547	1.799	6.000	192.2	38.24794	1903	70.79	70.4	377.697259	377.985504
2.40E+00	0.700	2.300	0.549	1.802	2.000	192.2	38.11108	1910	70.79	60.5	375.504798	373.6448
2.40E+00	0.700	2.300	0.550	1.808	5.600	192.2	37.13461	1910	70.79	61.4	373.671979	368.596132
2.30E+00	0.700	2.200	0.552	1.755	2.800	192.2	37.56831	1911	71.163	61.8	371.285769	363.370556
2.30E+00	0.700	2.200	0.552	1.736	4.800	192	42.79106	1916	71.42	68.3	369.965385	362.99967
2.30E+00	0.700	2.200	0.551	1.733	5.500	191.7	42.37367	1918	71.42	72.6	368.280102	366.017673
2.30E+00	0.700	2.200	0.551	1.730	1.300	191.3	38.85775	1928	71.42	66.1	366.23904	368.487365
2.20E+00	0.600	2.200	0.472	1.731	4.800	190.9	30.84282	1918	71.42	47.2	363.939923	360.84875
2.20E+00	0.600	2.200	0.478	1.752	3.400	190.6	30.34446	1920	71.42	40	357.879687	337.343066
2.20E+00	0.500	2.200	0.404	1.776	8.400	190.4	34.15357	1902	70.79	51.5	355.145253	326.610108
2.10E+00	0.500	2.100	0.405	1.700	6.400	190.4	36.96147	1899	70.79	58	354.168712	328.469684
2.10E+00	0.500	2.100	0.401	1.682	9.800	190.4	42.92815	1885	70.111	19.7	346.198077	319.205172
2.20E+00	0.500	2.200	0.408	1.794	9.400	190.4	38.39231	1866	69.355	27.8	334.939794	298.751075
2.10E+00	0.500	2.100	0.410	1.721	4.400	190.4	40.90135	1856	68.93	65.9	326.063544	299.760106
2.10E+00	0.500	2.100	0.404	1.695	5.800	190.4	40.94251	1844	68.583	71.3	331.233489	315.141463
2.10E+00	0.500	2.200	0.397	1.726	2.500	190.4	41.85074	1836	68.31	70.7	337.565455	327.656684
2.10E+00	0.500	2.200	0.394	1.734	5.500	190.4	41.89508	1820	67.69	70.2	342.859563	336.216041
2.10E+00	0.500	2.200	0.394	1.732	0.700	190.4	41.17182	1809	67.145	68.7	344.510185	342.325937
2.10E+00	0.500	2.200	0.394	1.733	1.000		38.6486	1792	66.454	71.7	344.991459	347.139011
2.10E+00	0.500	2.200	0.394	1.732	0.900		38.53038	1776	65.857	76.1	345.731274	353.150445
2.10E+00	0.500	2.200	0.392	1.723	1.000		46.60718	1762	65.253	82.7	347.120998	365.732385
2.20E+00	0.600	2.200	0.447	1.711	1.200		52.57451	1751	65.2	80.5	351.851503	381.987028
2.20E+00	0.600	2.200	0.464	1.703	-0.600		51.56822	1740	64.629	82.7	355.424074	394.443109
2.20E+00	0.700	2.200	0.541	1.699	0.000	190.4	58.1646	1732	64.58	90.4	356.970938	408.146113
2.20E+00	0.700	2.200	0.539	1.693	-1.800	190.8	63.05708	1724	63.96	84.5	352.255491	421.823529
2.20E+00	0.700	2.200	0.538	1.691	-0.300	191.2	79.21091	1727	63.96	85.6	347.671267	438.182166
2.30E+00	0.800	2.200	0.597	1.696	-0.200	191.6	85.39518	1734	64.58	80.4	346.76625	452.047107
2.30E+00	0.800	2.200	0.621	1.707	-1.600	192	60.53938	1730	64.25	78.3	339.349814	449.544516
2.30E+00	0.800	2.200	0.624	1.715	1.400	192.3	52.39351	1720	63.96	81.7	342.320981	446.273913
2.30E+00	0.800	2.200	0.623	1.713	-2.500	192.8	50.15005	1707	63.34	86.5	353.617391	441.263221
2.30E+00	0.800	2.200	0.618	1.699	1.800	193.2	67.94562	1704	63.34	86.2	367.941053	452.320233
2.40E+00	0.900	2.200	0.695	1.698	-1.100	193.6	68.78614	1699	63.34	80.4	389.689905	461.260666
2.30E+00	0.800	2.200	0.639	1.703	0.500	194	63.91934	1697	62.838	77.3	381.061538	459.982318
2.30E+00	0.800	2.200	0.620	1.706	-0.400	194.4	60.01841	1690	62.72	84.1	381.507627	458.637218
2.30E+00	0.800	2.200	0.620	1.705	-0.700	194.7	59.75998	1685	62.72	84.3	383.848672	459.470732
2.30E+00	0.800	2.200	0.620	1.706	1.700	195.1	48.35754	1682	62.284	85.8	387.703482	458.747291
2.30E+00	0.800	2.200	0.616	1.694	-0.500	195.5	94.03615	1688	62.526	98.5	387.258519	473.905986

2.68354	0.03467	6.21517	11784.475
2.68368	0.0347	6.21751	11789.663
2.68382	0.03471	6.21956	11794.898
2.68397	0.03484	6.2218	11800.348
2.68412	0.03488	6.22395	11806.034
2.68427	0.03493	6.2258	11811.899
2.68442	0.03495	6.22732	11817.796
2.68457	0.03496	6.22878	11823.636
2.68471	0.03501	6.23022	11829.346
2.68485	0.03501	6.23158	11834.724
2.68499	0.03512	6.23303	11840.005
2.68513	0.03516	6.23475	11845.113
2.68527	0.03526	6.23672	11849.942
2.68541	0.03531	6.23903	11854.722
2.68556	0.03541	6.24194	11860.015
2.68571	0.03552	6.24476	11865.26
2.68585	0.03554	6.24703	11870.131
2.68596	0.03561	6.24871	11874.334
2.68607	0.03566	6.24962	11877.743
2.68618	0.03578	6.25005	11880.49
2.6863	0.03589	6.25197	11883.551
2.68642	0.03606	6.25432	11887.288
2.68655	0.03622	6.25567	11889.92
2.68667	0.0363	6.25722	11892.279
2.68681	0.03641	6.26109	11895.928
2.68695	0.03646	6.26416	11900.752
2.6871	0.03657	6.26641	11906.203
2.68724	0.03658	6.26808	11911.408
2.68737	0.0366	6.26947	11916.371
2.68751	0.03662	6.27095	11921.573
2.68767	0.03664	6.273	11927.992
2.68785	0.03667	6.27596	11935.561
2.68803	0.03667	6.27864	11943.649
2.68824	0.03667	6.28099	11952.863
2.68847	0.03667	6.28318	11963.731
2.68875	0.03667	6.28524	11976.724
2.68906	0.03667	6.28749	11990.495
2.6893	0.03667	6.2896	12000.212
2.68949	0.0367	6.29199	12007.729
2.68969	0.0367	6.2946	12015.528
2.68993	0.03676	6.29722	12026.13
2.69019	0.03676	6.29899	12037.037
2.69043	0.03677	6.30067	12047.058
2.69065	0.03677	6.30307	12056.435
2.69087	0.03677	6.30536	12065.533
2.69107	0.03681	6.30748	12073.96
2.69142	0.03681	6.31261	12089.503

11:13:05.944	-13	0.00049	0.00023	0.0114	23.241	0.002241	64.6
11:13:06.944	-13	0.00106	0	0.00931	25.15	0.002425	64.3
11:13:07.944	-13	0.0018	0.00007	0.00479	18.323	0.001767	65.2
11:13:08.944	-13	0.00219	0	0.00488	16.328	0.001576	66.3
11:13:09.944	-13	0.00203	0.00001	0.00532	14.453	0.001396	66.9
11:13:10.944	-13	0.00115	0.00004	0.00399	9.049	0.000874	67.6
11:13:11.944	-13	0.00073	0	0.00418	8.029	0.000776	67.6
11:13:12.944	-13	0.00045	0	0.00308	6.88	0.000664	67.6
11:13:13.944	-13	0.00034	0	0.00219	6.383	0.000616	66.9
11:13:14.944	-13	0.00048	0.00003	0.00525	11.074	0.001069	66.1
11:13:15.944	-13	0.00051	0	0.00533	14.277	0.001378	65.6
11:13:16.944	-13	0.00033	0.00001	0.00064	7.357	0.00071	65
11:13:17.944	-13	0.00017	0.00002	0	2.258	0.000218	64.8
11:13:18.944	-13	0.0001	0	0.00013	0.775	0.000075	64.6
11:13:19.944	-13	0.00008	0.00002	0.00041	0.367	0.000036	62.9
11:13:20.944	-13	0.00007	0	0.00071	0.252	0.000024	60.8
11:13:21.944	-13	0.00006	0.00002	0.00066	0.22	0.000021	58.5
11:13:22.944	-13	0.00005	0.00001	0.00038	0.189	0.000018	55.7
11:13:23.944	-13	0.00009	0.00002	0.00078	0.264	0.000026	54
11:13:24.944	-13	0.0001	0.00003	0.00112	0.352	0.000034	52
11:13:25.944	-13	0.00012	0.00001	0.00324	1.089	0.000106	51
11:13:26.944	-13	0.00017	0.00008	0.00499	3.178	0.000308	49.7
11:13:27.944	-13	0.00017	0	0.00369	4.894	0.000473	49.2
11:13:28.944	-13	0.00017	0.00001	0.00181	5.038	0.000487	48.6
11:13:29.944	-13	0.00024	0	0.00266	7.523	0.000727	48.3
11:13:30.944	-13	0.00031	0	0.00634	11.576	0.001118	47.9
11:13:31.944	-13	0.00043	0	0.00629	17.206	0.001659	48.1
11:13:32.944	-13	0.0009	0	0.0062	24.834	0.002394	48.4
11:13:33.944	-13	0.00229	0	0.00247	18.393	0.001774	49.6
11:13:34.944	-13	0.0017	0	0.00021	5.558	0.000537	51.1
11:13:35.944	-13	0.00091	0.00001	0.0005	2.066	0.0002	51.8
11:13:36.944	-13	0.00042	0	0.00047	0.983	0.000095	52.6
11:13:37.944	-13	0.00021	0	0.00048	0.569	0.000055	51.4
11:13:38.944	-13	0.00014	0	0.00043	0.39	0.000038	49.9
11:13:39.944	-13	0.00024	0	0.00112	0.602	0.000058	48.7
11:13:40.944	-13	0.0002	0.00007	0.00202	0.659	0.000064	47.3
11:13:41.944	-13	0.0002	0.00008	0.0036	1.718	0.000167	46.5
11:13:42.944	-13	0.00021	0.00007	0.00372	3.226	0.000313	45.5
11:13:43.944	-13	0.00025	0	0.00381	5.211	0.000504	45
11:13:44.944	-13	0.00031	0	0.0043	8.17	0.000789	44.4
11:13:45.944	-13	0.00033	0	0.00348	9.847	0.00095	44.7
11:13:46.944	-13	0.00032	0	0.00225	10.225	0.000986	45.1
11:13:47.944	-13	0.00023	0	0.00161	6.794	0.000656	45.7
11:13:48.944	-13	0.00018	0	0.00125	4.72	0.000456	46.4
11:13:49.944	-13	0.00017	0.00001	0.00183	4.192	0.000405	46.6
11:13:50.944	-13	0.00016	0	0.00198	4.031	0.00039	46.8
11:13:51.944	-13	0.00008	0	0.00087	2.137	0.000206	46.9

2.30E+00	0.800	2.200	0.613	1.685	3.600	195.8	111.43551	1709	63.219	99.6	386.785581	509.963951
4.50E+00	3.700	2.200	2.858	1.688	-1.300	195.8	158.32462	2248	64.084	92.6	371.195106	540.239088
1.00E+01	10.800	2.200	8.311	1.698	1.400	195.8	113.50289	2109	65.2	81.8	362.96	542.191749
1.28E+01	14.300	2.200	11.130	1.710	0.000	195.8	121.45345	2121	65.542	83.1	350.925313	532.404545
1.28E+01	14.200	2.200	11.110	1.717	0.200	195.8	103.52844	2129	65.83	70.6	365.48098	517.853564
1.06E+01	11.200	2.200	8.833	1.731	1.400	195.8	71.96004	2013	65.36	70.5	361.849269	491.954241
7.80E+00	7.700	2.200	6.057	1.727	-0.800	195.8	58.84508	1755	65.2	79.2	363.440084	484.866867
5.80E+00	5.200	2.200	4.079	1.721	0.000	195.8	55.0499	1733	64.58	81	364.686221	482.9731
4.90E+00	4.000	2.200	3.131	1.719	-1.900	195.8	36.36753	1710	63.456	88	368.722857	468.904737
4.00E+00	2.900	2.200	2.270	1.715	0.800	195.8	73.98873	1698	62.72	92.3	368.421622	477.397126
3.70E+00	2.500	2.200	1.952	1.700	-1.400	196	95.23267	1707	63.208	70.5	372.976687	504.6629
3.70E+00	2.500	2.200	1.968	1.732	0.200	196.4	58.95213	1679	62.257	29.7	370.888125	477.959295
3.80E+00	2.500	2.200	2.031	1.787	1.700	196.8	27.64173	1644	60.927	0	371.996	416.698806
3.80E+00	2.500	2.100	2.076	1.766	-0.600	197.1	20.15856	1594	59.446	0	371.310941	385.690323
3.70E+00	2.400	2.000	2.036	1.700	3.300	197.5	14.41422	1511	56.121	0	366.154545	367.148422
3.50E+00	2.200	2.000	1.816	1.688	0.400	197.3	13.63	1454	54.005	0	360.545298	354.325638
3.10E+00	1.700	2.000	1.412	1.690	3.300	196.9	13.22075	1412	52.4	0	356.007857	343.822531
2.80E+00	1.300	2.000	1.100	1.692	1.500	196.5	12.95442	1359	50.254	0	357.565039	334.25199
2.70E+00	1.200	2.000	1.038	1.694	2.500	196.1	22.35701	1323	48.91	10.3	357.488365	325.86973
2.70E+00	1.200	2.000	1.015	1.692	2.200	195.8	25.22452	1300	48.183	54.6	359.149138	328.118825
2.70E+00	1.200	2.000	1.002	1.670	0.500	195.8	29.26551	1280	47.442	71.9	362.084143	339.012939
2.60E+00	1.200	2.000	0.976	1.627	4.300	195.8	44.58606	1559	46.711	71.7	363.428834	357.924752
2.60E+00	1.200	2.100	0.953	1.669	-0.800	195.8	40.65464	1512	46.58	71.8	365.425	368.579141
2.70E+00	1.200	2.200	0.949	1.739	0.700	195.8	37.1172	1499	45.951	77.5	368.65092	375.827545
2.70E+00	1.200	2.200	0.943	1.729	-2.400	195.8	50.00854	1496	45.95	87	372.109375	390.845245
2.60E+00	1.200	2.200	0.931	1.707	0.000	195.8	75.87713	1517	46.58	89	381.000731	427.7947
2.70E+00	1.200	2.300	0.922	1.746	-0.700	195.8	93.17969	1567	47.82	93.9	389.223069	459.571047
3.90E+00	2.800	2.300	2.139	1.766	-3.100	195.8	152.93553	1905	49.265	99.6	426.212632	500.049625
1.23E+01	13.500	2.300	10.482	1.782	-1.200	195.8	137.55534	2002	51.31	52	445.234453	509.881452
2.13E+01	24.400	2.300	19.456	1.835	-1.400	195.8	60.91558	1755	51.167	30.4	429.386293	464.953982
2.18E+01	24.500	2.200	19.958	1.811	0.500	195.8	22.84829	1613	49.946	4.7	401.306923	413.909472
1.56E+01	16.700	2.200	13.805	1.814	-0.800	195.8	15.49042	1572	48.674	0.1	382.292531	382.527235
9.70E+00	9.500	2.100	7.909	1.768	0.100	195.8	13.44082	1528	47.342	0	373.656285	365.248855
6.80E+00	6.100	2.000	5.085	1.700	-0.100	195.8	12.91346	1487	45.952	1.6	369.206358	351.286349
5.40E+00	4.400	2.000	3.680	1.685	-0.200	195.8	22.71594	1455	44.607	24.1	368.064407	341.475541
4.60E+00	3.600	1.900	2.990	1.621	5.000	195.8	30.26093	1424	43.989	54.6	366.036416	342.351205
4.20E+00	3.200	1.900	2.600	1.567	5.500	195.8	29.58377	1406	43.285	59.6	369.481704	345.155682
3.70E+00	2.700	1.900	2.183	1.536	4.300	195.8	38.52872	1394	42.85	75.7	372.78775	352.859333
3.60E+00	2.600	1.900	2.065	1.509	-0.900	195.8	43.642	1396	42.85	84.8	372.574948	373.571584
3.50E+00	2.500	1.900	1.975	1.485	-0.200	195.8	59.51443	1402	43.341	85.4	375.579332	403.174423
3.30E+00	2.300	2.000	1.797	1.546	-2.000	195.8	60.77319	1423	43.96	79.2	377.645918	424.883151
3.20E+00	2.100	2.000	1.624	1.546	-2.300	195.8	61.22	1452	44.607	76.7	382.472835	436.078119
3.20E+00	2.100	2.000	1.634	1.556	-0.600	195.8	44.01231	1465	45.33	71.2	391.454724	438.040244
3.20E+00	2.100	2.000	1.650	1.571	-4.100	195.8	32.56742	1467	45.33	73	394.397644	424.731813
3.20E+00	2.100	1.900	1.659	1.501	0.500	195.8	31.38	1470	45.33	77.5	393.365769	418.704449
3.20E+00	2.100	1.900	1.657	1.499	-2.700	195.8	32.77	1476	45.33	75.5	392.103967	415.729865
3.10E+00	2.000	1.900	1.570	1.492	0.400	195.8	26.36331	1469	45.33	13.6	388.3325	405.5656

2.69191	0.03704	6.32401	12112.744
2.69297	0.03704	6.33332	12137.894
2.69477	0.03711	6.33811	12156.217
2.69696	0.03711	6.34299	12172.545
2.69899	0.03712	6.34831	12186.998
2.70014	0.03716	6.3523	12196.047
2.70087	0.03716	6.35648	12204.076
2.70132	0.03716	6.35956	12210.956
2.70166	0.03716	6.36175	12217.339
2.70214	0.03719	6.367	12228.413
2.70265	0.03719	6.37233	12242.69
2.70298	0.0372	6.37297	12250.047
2.70315	0.03722	6.37297	12252.305
2.70325	0.03722	6.3731	12253.08
2.70333	0.03724	6.37351	12253.447
2.7034	0.03724	6.37422	12253.699
2.70346	0.03726	6.37488	12253.919
2.70351	0.03727	6.37526	12254.108
2.7036	0.03729	6.37604	12254.372
2.7037	0.03732	6.37716	12254.724
2.70382	0.03733	6.3804	12255.813
2.70399	0.03741	6.38539	12258.991
2.70416	0.03741	6.38908	12263.885
2.70433	0.03742	6.39089	12268.923
2.70457	0.03742	6.39355	12276.446
2.70488	0.03742	6.39989	12288.022
2.70531	0.03742	6.40618	12305.228
2.70621	0.03742	6.41238	12330.062
2.7085	0.03742	6.41485	12348.455
2.7102	0.03742	6.41506	12354.013
2.71111	0.03743	6.41556	12356.079
2.71153	0.03743	6.41603	12357.062
2.71174	0.03743	6.41651	12357.631
2.71188	0.03743	6.41694	12358.021
2.71212	0.03743	6.41806	12358.623
2.71232	0.0375	6.42008	12359.282
2.71252	0.03758	6.42368	12361
2.71273	0.03765	6.4274	12364.226
2.71298	0.03765	6.43121	12369.437
2.71329	0.03765	6.43551	12377.607
2.71362	0.03765	6.43899	12387.454
2.71394	0.03765	6.44124	12397.679
2.71417	0.03765	6.44285	12404.473
2.71435	0.03765	6.4441	12409.193
2.71452	0.03766	6.44593	12413.385
2.71468	0.03766	6.44791	12417.416
2.71476	0.03766	6.44878	12419.553

11:13:52.944	-13	0.00012	0	0.00091	3.391	0.000327	47
11:13:53.944	-13	0.00012	0.00001	0.00025	2.858	0.000276	46.7
11:13:54.944	-13	0.00012	0.00003	0.00045	2.423	0.000234	46.3
11:13:55.944	-13	0.00012	0.00002	0.00125	2.529	0.000245	46.3
11:13:56.944	-13	0.00012	0.00004	0.00168	3.184	0.000308	46.3
11:13:57.944	-13	0.00012	0.00001	0.00201	4.011	0.000388	46.6
11:13:58.944	-13	0.00012	0.00005	0.00217	4.325	0.000418	47
11:13:59.944	-13	0.00011	0	0.00179	4.24	0.00041	47.5
11:14:00.944	-13	0.0001	0	0.00146	4.085	0.000395	48
11:14:01.944	-13	0.00011	0	0.00154	4.39	0.000424	48.4
11:14:02.944	-13	0.00016	0	0.00217	6.418	0.00062	48.8
11:14:03.944	-13	0.00018	0	0.00215	8.412	0.000812	49.4
11:14:04.944	-13	0.00019	0	0.00156	9.096	0.000878	50.2
11:14:05.944	-13	0.0002	0	0.0016	9.256	0.000893	51.2
11:14:06.944	-13	0.00024	0	0.00189	11.105	0.001071	52.5
11:14:07.944	-13	0.00028	0	0.0027	13.07	0.001261	53.5
11:14:08.944	-13	0.00037	0	0.00327	17.54	0.001692	54.7
11:14:09.944	-13	0.0008	0	0.00309	22.232	0.002144	56.2
11:14:10.944	-13	0.00331	0	0.00262	21.892	0.002111	58.1
11:14:11.944	-13	0.00571	0	0.0023	12.554	0.001212	60.1
11:14:12.944	-13	0.00294	0	0.00038	3.457	0.000334	62.6
11:14:13.944	-13	0.00198	0	0.00023	1.47	0.000142	63
11:14:14.944	-13	0.00113	0	0.00041	0.749	0.000073	63.4
11:14:15.944	-13	0.00095	0	0.00088	0.648	0.000063	62.6
11:14:16.944	-13	0.00128	0	0.00349	1.369	0.000133	61.6
11:14:17.944	-13	0.0021	0	0.01885	11.469	0.001112	61.1
11:14:18.944	-13	0.00416	0	0.02271	29.085	0.002812	60.4
11:14:19.944	-13	0.01445	0	0.01493	35.655	0.003441	61.5
11:14:20.944	-13	0.02574	0	0.01049	33.776	0.003259	62.8
11:14:21.944	-13	0.02235	0	0.00406	18.244	0.001762	65.4
11:14:22.944	-13	0.01118	0	0.00066	6.608	0.000639	68.5
11:14:23.944	-13	0.00444	0	0.00056	2.44	0.000236	69
11:14:24.944	-13	0.00349	0	0.00141	2.404	0.000233	69.7
11:14:25.944	-13	0.00269	0	0.00249	3.438	0.000333	69
11:14:26.944	-13	0.00197	0.00002	0.00362	5.26	0.000509	68.1
11:14:27.944	-13	0.00163	0	0.00459	8.37	0.000809	67.7
11:14:28.944	-13	0.00143	0	0.00399	11.258	0.001086	67.3
11:14:29.944	-13	0.0011	0	0.0018	10.723	0.001034	67.5
11:14:30.944	-13	0.00093	0	0.00171	10.054	0.00097	67.7
11:14:31.944	-13	0.00094	0	0.00226	10.7	0.001032	67.8
11:14:32.944	-13	0.00089	0	0.00209	10.983	0.001059	68
11:14:33.944	-13	0.00097	0	0.00202	12.23	0.00118	68.3
11:14:34.944	-13	0.00105	0	0.00224	13.845	0.001335	68.6
11:14:35.944	-13	0.00096	0	0.00207	12.641	0.001219	69
11:14:36.944	-13	0.0009	0	0.00186	11.159	0.001076	69.5
11:14:37.944	-13	0.00109	0	0.00251	12.084	0.001166	69.9
11:14:38.944	-13	0.00121	0	0.00254	13.516	0.001304	70.4

3.00E+00	1.900	1.900	1.491	1.491	-0.900
3.00E+00	1.800	1.900	1.455	1.514	0.800
2.90E+00	1.800	1.800	1.451	1.471	2.800
2.80E+00	1.600	1.800	1.311	1.453	1.800
2.50E+00	1.400	1.800	1.085	1.442	2.400
2.20E+00	1.000	1.700	0.817	1.374	0.600
2.10E+00	0.900	1.700	0.734	1.346	2.700
2.10E+00	0.900	1.700	0.711	1.342	-0.400
2.10E+00	0.900	1.700	0.710	1.341	0.000
2.10E+00	0.900	1.700	0.710	1.341	-0.200
2.00E+00	0.900	1.700	0.708	1.337	-1.300
2.00E+00	0.900	1.700	0.701	1.325	-0.700
2.10E+00	0.900	1.800	0.698	1.377	-3.000
2.10E+00	0.900	1.800	0.698	1.397	-0.800
2.10E+00	0.900	1.800	0.697	1.395	-3.100
2.10E+00	1.000	1.800	0.752	1.391	-1.900
2.20E+00	1.100	1.700	0.829	1.331	-2.000
3.80E+00	3.200	1.700	2.445	1.309	-3.600
1.55E+01	18.400	1.700	14.216	1.311	-0.500
4.04E+01	49.900	1.800	39.045	1.389	-3.600
5.40E+01	65.200	2.000	52.341	1.645	-0.400
5.18E+01	60.700	2.400	49.897	1.951	-4.200
3.49E+01	39.500	2.400	32.936	2.003	-1.500
2.21E+01	23.800	2.400	20.042	2.019	-4.300
1.38E+01	14.000	2.400	11.782	2.019	-4.800
9.60E+00	9.400	2.400	7.662	1.947	-3.800
1.19E+01	12.600	2.500	9.916	1.945	-4.400
3.96E+01	48.100	3.000	37.313	2.301	-2.400
7.44E+01	91.100	4.900	70.598	3.822	-6.500
1.08E+02	128.600	8.700	100.695	6.819	-1.800
1.19E+02	136.900	11.800	109.112	9.410	-3.000
9.90E+01	109.600	12.700	88.708	10.282	-2.300
6.82E+01	72.100	11.500	58.788	9.394	0.000
4.06E+01	41.400	8.600	33.598	6.981	-0.200
2.53E+01	24.900	6.700	19.931	5.353	1.000
1.65E+01	15.600	5.400	12.276	4.230	-2.200
1.23E+01	10.900	5.000	8.479	3.840	-0.500
1.02E+01	8.700	4.500	6.755	3.444	-4.100
9.00E+00	7.500	4.100	5.808	3.214	-2.800
8.60E+00	7.200	3.900	5.596	3.001	-1.600
8.20E+00	7.000	3.500	5.429	2.743	-5.200
8.00E+00	6.900	3.400	5.330	2.647	-0.600
7.80E+00	6.800	3.300	5.242	2.565	-4.800
7.70E+00	6.800	3.200	5.249	2.470	-0.600
8.00E+00	7.300	3.100	5.617	2.397	-3.100
9.00E+00	8.600	3.000	6.666	2.340	-2.500
9.10E+00	8.800	3.000	6.774	2.316	-2.000

195.8	14.1324	1463	45.14	33.9	380.113584	387.1598
195.8	27.57893	1449	44.71	42.6	372.121727	373.106471
195.8	26.91102	1451	44.71	49.7	367.72741	365.546078
195.8	26.95931	1463	44.71	52.4	365.602037	360.926007
195.8	30.71933	1470	45.33	63.9	364.596053	359.707371
195.8	34.82321	1487	45.95	67.4	364.151701	361.880626
195.4	36.14665	1502	46.58	71	365.095669	366.66338
195	31.34512	1518	46.684	68.4	366.01657	369.074874
194.6	30.52836	1534	47.2	63.8	364.978232	369.3
194.2	32.25084	1547	47.82	73.2	364.674011	368.677524
194	49.39447	1568	48.339	84.6	366.820341	383.383537
194	56.9268	1605	49.68	78.8	373.857642	405.348462
194	58.72998	1639	50.4	76.6	378.35608	420.012755
194	60.27327	1677	51.66	85.7	381.461587	429.615346
194	72.91965	1714	52.901	82	385.942693	443.837059
194.3	80.94251	1761	54.214	82.9	387.052795	456.806856
194.6	110.37646	1817	55.963	89	391.15	480.816405
195	131.01971	1896	57.849	92.9	401.853537	503.890806
195.3	139.42626	1960	60.431	90.6	418.405031	520.096333
195.7	96.96976	1988	62.1	41.4	417.322044	507.014466
195.8	47.18121	1633	61.308	5.9	396.409383	439.994028
195.8	23.23458	1630	60.624	0.8	374.73272	392.207996
195.8	19.36867	1604	59.62	0.2	363.092437	367.99684
195.8	15.50829	1580	58.744	11.4	356.393888	352.684095
195.8	61.49025	1573	58.37	78.9	351.070938	358.86006
195.5	121.94693	1802	59.232	99.3	373.229626	421.027027
195.1	211.11505	2584	60.716	98.3	409.523493	507.988024
194.7	234.336	3029	63.242	99	451.399791	588.447442
194.4	232.7214	3138	65.993	93.1	483.254545	615.778782
194	159.00286	2677	67.523	48.6	468.029623	577.640174
194	70.70443	2205	67.23	42.6	439.2625	497.862634
194	31.55415	1813	66.559	42.8	406.385314	447.30386
194	28.31975	1774	65.83	56.6	395.122037	423.864694
194	40.55802	1763	65.797	75.4	387.834483	420.392553
194.1	48.55189	1753	65.2	80.9	388.862692	428.217723
194.9	61.75547	1752	65.2	85.2	392.180488	444.355237
195.6	73.75914	1760	65.2	80.6	398.882569	464.649027
196.4	66.77273	1766	65.83	81.3	407.578221	474.437379
197.1	63.59344	1772	65.83	90.8	403.19625	480.453063
	69.98353	1777	65.83	83.8	396.988439	490.241989
	69.4246	1785	66.45	81.6	398.767829	494.703896
	74.07818	1793	66.651	83.2	401.985455	498.564381
	86.56044	1812	67.274	82.5	404.699896	507.35
	81.13898	1823	67.69	77.4	405.622073	508.534669
199.4	71.29112	1833	68.31	83.7	404.952199	506.659341
199.4	74.96186	1845	68.516	85.7	405.56848	508.301386
199.4	85.38758	1859	68.93	82.3	399.423958	513.518662

2.71488	0.03766	6.44969	12422.944
2.715	0.03767	6.44994	12425.802
2.71512	0.0377	6.45039	12428.225
2.71524	0.03772	6.45164	12430.754
2.71536	0.03776	6.45332	12433.938
2.71548	0.03777	6.45533	12437.949
2.7156	0.03782	6.4575	12442.274
2.71571	0.03782	6.45929	12446.514
2.71581	0.03782	6.46075	12450.599
2.71592	0.03782	6.46229	12454.989
2.71608	0.03782	6.46446	12461.407
2.71626	0.03782	6.46661	12469.819
2.71645	0.03782	6.46817	12478.915
2.71665	0.03782	6.46977	12488.171
2.71689	0.03782	6.47166	12499.276
2.71717	0.03782	6.47436	12512.346
2.71754	0.03782	6.47763	12529.886
2.71834	0.03782	6.48072	12552.118
2.72165	0.03782	6.48334	12574.01
2.72736	0.03782	6.48564	12586.564
2.7303	0.03782	6.48602	12590.021
2.73228	0.03782	6.48625	12591.491
2.73341	0.03782	6.48666	12592.24
2.73436	0.03782	6.48754	12592.888
2.73564	0.03782	6.49103	12594.257
2.73774	0.03782	6.50988	12605.726
2.7419	0.03782	6.53259	12634.811
2.75635	0.03782	6.54752	12670.466
2.78209	0.03782	6.55801	12704.242
2.80444	0.03782	6.56207	12722.486
2.81562	0.03782	6.56273	12729.094
2.82006	0.03782	6.56329	12731.534
2.82355	0.03782	6.5647	12733.938
2.82624	0.03782	6.56719	12737.376
2.82821	0.03784	6.57081	12742.636
2.82984	0.03784	6.5754	12751.006
2.83127	0.03784	6.57939	12762.264
2.83237	0.03784	6.58119	12772.987
2.8333	0.03784	6.5829	12783.041
2.83424	0.03784	6.58516	12793.741
2.83513	0.03784	6.58725	12804.724
2.8361	0.03784	6.58927	12816.954
2.83715	0.03784	6.59151	12830.799
2.83811	0.03784	6.59358	12843.44
2.83901	0.03784	6.59544	12854.599
2.8401	0.03784	6.59795	12866.683
2.84131	0.03784	6.60049	12880.199

11:14:39.944	-13	0.00116	0	0.00213	12.969	0.001251	70.8
11:14:40.944	-13	0.00083	0	0.00169	9.118	0.00088	71.3
11:14:41.944	-13	0.00073	0	0.00196	7.761	0.000749	71.6
11:14:42.944	-13	0.0008	0	0.00304	8.811	0.000851	71.9
11:14:43.944	-13	0.00072	0	0.00246	9.384	0.000906	71.9
11:14:44.944	-13	0.00065	0	0.00193	9.801	0.000946	72
11:14:45.944	-13	0.00058	0	0.0016	9.338	0.000901	72.2
11:14:46.944	-13	0.00037	0	0.00108	6.25	0.000603	72.4
11:14:47.944	-13	0.00066	0	0.00214	10.595	0.001023	72.4
11:14:48.944	-13	0.0009	0	0.00527	14.728	0.001422	72.5
11:14:49.944	-13	0.00184	0	0.00566	18.175	0.001754	72.6
11:14:50.944	-13	0.00443	0	0.00337	14.989	0.001446	72.7
11:14:51.944	-13	0.00522	0	0.00239	10.404	0.001004	73.6
11:14:52.944	-13	0.00523	0	0.00296	9.012	0.00087	74.8
11:14:53.944	-13	0.00405	0	0.00317	8.848	0.000854	75
11:14:54.944	-13	0.00171	0	0.00132	5.206	0.000503	75.3
11:14:55.944	-13	0.00119	0.00002	0.00058	4.696	0.000453	75.2
11:14:56.944	-13	0.00078	0.00004	0.00014	3.359	0.000325	75.1
11:14:57.944	-13	0.00055	0	0.00022	2.002	0.000194	74.3
11:14:58.944	-13	0.00043	0.00001	0.00074	1.383	0.000134	73.3
11:14:59.944	-13	0.0009	0	0.00332	4.347	0.000421	72.2
11:15:00.944	-13	0.00114	0	0.01997	12.914	0.001251	70.9
11:15:01.944	-13	0.00572	0	0.01408	19.398	0.001874	71.6
11:15:02.944	-13	0.01224	0	0.00691	17.275	0.001668	72.5
11:15:03.944	-13	0.01296	0	0.00362	10.828	0.001045	73.7
11:15:04.944	-13	0.01203	0	0.00348	9.373	0.000905	75.1
11:15:05.944	-13	0.00858	0	0.00262	8.521	0.000823	75.4
11:15:06.944	-13	0.00496	0	0.00185	7.172	0.000692	75.8
11:15:07.944	-13	0.00328	0	0.0019	7.398	0.000714	75.8
11:15:08.944	-13	0.00266	0	0.00271	9.391	0.000907	75.8
11:15:09.944	-13	0.00194	0	0.0025	11.265	0.001087	75.8
11:15:10.944	-13	0.00206	0	0.00188	15.027	0.001449	75.7
11:15:11.944	-13	0.00197	0	0.00235	14.915	0.001439	76.1
11:15:12.944	-13	0.00102	0	0	5.351	0.000517	76.6
11:15:13.944	-13	0.00101	0	0	2.943	0.000285	76.6
11:15:14.944	-13	0.00081	0	0.00058	1.615	0.000156	76.5
11:15:15.944	-13	0.00057	0.00001	0.00086	1.098	0.000106	75.6
11:15:16.944	-13	0.00044	0.00003	0.00092	0.766	0.000074	74.6
11:15:17.944	-13	0.00032	0.00002	0.00194	0.748	0.000073	73.7
11:15:18.944	-13	0.00026	0	0.00256	1.086	0.000106	72.7
11:15:19.944	-13	0.00024	0	0.00268	1.762	0.000171	72.2
11:15:20.944	-13	0.00023	0.00001	0.00241	2.558	0.000248	71.5
11:15:21.944	-13	0.00028	0.00014	0.00268	3.83	0.000371	71.1
11:15:22.944	-13	0.00033	0.00017	0.00318	5.512	0.000533	70.7
11:15:23.944	-13	0.00036	0.00004	0.00356	7.437	0.000719	70.4
11:15:24.944	-13	0.00036	0.00008	0.00228	8.374	0.000808	70
11:15:25.944	-13	0.00028	0	0.00134	6.666	0.000643	70

9.00E+00	8.700	3.000	6.718	2.317	-4.400
8.80E+00	8.400	2.900	6.534	2.249	-0.700
8.70E+00	8.200	2.900	6.415	2.261	-4.600
8.40E+00	8.000	2.800	6.248	2.200	-1.300
7.40E+00	6.800	2.800	5.238	2.172	-5.200
6.40E+00	5.600	2.700	4.340	2.093	-1.500
6.00E+00	5.000	2.700	3.914	2.093	-3.100
5.70E+00	4.700	2.700	3.609	2.095	-3.200
5.50E+00	4.400	2.600	3.461	2.053	-0.400
5.50E+00	4.400	2.600	3.439	2.032	-2.800
9.60E+00	9.700	2.600	7.540	2.021	-0.100
2.86E+01	33.900	3.000	26.310	2.309	-4.700
4.62E+01	54.300	4.900	42.336	3.821	-1.700
5.18E+01	59.600	6.700	46.600	5.236	-3.100
4.19E+01	46.900	6.900	36.545	5.380	-3.600
3.05E+01	32.400	6.700	25.205	5.257	-0.700
2.13E+01	21.300	5.800	16.768	4.556	1.300
1.48E+01	14.000	4.500	11.198	3.647	2.400
1.08E+01	9.300	3.900	7.600	3.163	-1.700
7.70E+00	6.200	3.000	5.182	2.498	0.500
6.10E+00	4.600	2.600	3.855	2.198	-1.100
5.40E+00	4.300	2.500	3.417	2.010	-1.600
2.62E+01	30.700	2.800	23.974	2.190	-0.500
6.71E+01	78.800	7.500	61.270	5.817	-4.500
1.08E+02	123.900	14.800	96.704	11.583	-0.400
1.12E+02	125.400	18.000	98.187	14.111	-4.600
9.09E+01	98.300	18.100	76.777	14.091	-0.800
6.21E+01	64.900	14.600	50.671	11.384	-3.000
3.88E+01	39.200	10.500	30.653	8.188	-2.200
2.51E+01	24.700	7.400	19.301	5.818	-1.800
1.66E+01	15.800	5.600	12.271	4.348	-2.800
1.36E+01	12.600	4.900	9.747	3.830	-2.600
1.27E+01	11.800	4.500	9.177	3.512	-4.900
1.37E+01	12.800	4.500	10.139	3.578	-0.200
1.52E+01	14.100	4.400	11.562	3.597	-2.200
1.40E+01	12.800	4.000	10.665	3.344	-1.000
1.04E+01	9.000	3.400	7.553	2.809	0.400
8.00E+00	6.500	3.000	5.429	2.547	2.000
6.20E+00	4.600	2.800	3.836	2.378	1.100
5.40E+00	3.600	2.800	3.015	2.338	-2.600
4.90E+00	3.100	2.800	2.543	2.309	0.300
4.40E+00	2.600	2.700	2.136	2.218	0.900
4.30E+00	2.600	2.700	2.097	2.177	7.200
4.10E+00	2.500	2.700	1.993	2.152	7.200
3.90E+00	2.400	2.600	1.891	2.048	1.300
3.90E+00	2.400	2.600	1.875	2.031	2.800
3.90E+00	2.400	2.600	1.872	2.027	-1.600

199.4	82.14536	1867	69.55	80.1	398.035	513.862575
199.4	54.67735	1871	69.55	78.9	394.044882	504.431665
199.4	49.41894	1871	69.55	86.3	401.94902	492.05
199.4	61.23702	1875	69.55	84.7	399.050418	495.150888
199.4	61.54283	1878	69.55	80.8	398.940919	495.3
199.4	64.48666	1882	70.17	81.7	406.384615	494.3
199.4	63.88504	1889	70.17	80.1	411.358078	493.07803
199.4	46.36792	1882	70.17	54.1	408.181895	486.768444
199.4	68.53402	1885	69.55	59	408.5875	458.368557
199.4	105.30516	1897	70.275	88.1	415.538462	482.180698
199.4	125.2177	1927	71.541	91.5	427.252041	508.909091
199.4	103.05148	1945	72.159	79.5	432.35929	518.795397
199.4	69.11144	1955	72.66	79.3	426.045397	506.197902
199.4	62.79119	1955	72.66	82.1	422.462552	495.901187
199.4	64.23328	1962	72.66	80.9	421.02716	493.906946
199.4	46.63874	1954	72.66	61.1	423.107143	485.903789
199.4	31.51324	1931	71.929	33.3	412.039286	450.924279
199.1	33.10563	1908	70.692	8.5	400.312371	413.633566
198.8	32.42565	1883	70.08	0	390.528347	383.184314
198.4	33.12292	1849	68.848	4.3	383.517078	360.344526
198.1	93.13983	1851	68.431	67.8	379.679522	370.919
197.7	136.29541	1886	69.669	97.3	411.214167	462.938002
	143.93363	1930	71.515	89.3	429.449695	515.458587
	124.16429	1951	72.66	80.8	430.802357	522.6581
	72.2469	1967	73.28	80.3	425.71866	507.323776
	68.44846	1970	73.28	81.6	422.455462	496.711111
	65.13925	1970	73.28	75.3	421.439634	492.401866
197.6	46.97889	1970	73.28	75.6	425.365909	478.708333
197.6	50.15942	1965	73.28	83.8	426.131102	470.094118
197.6	69.23691	1971	73.28	87.1	426.60593	476.919839
197.6	78.7111	1977	73.28	77.3	429.215819	491.331009
197.6	88.84488	1989	73.9	89.1	433.75927	504.767515
197.6	106.23726	1998	74.52	59	445.057414	500.979337
197.6	56.08197	1990	74.108	17.8	430.674362	450.515732
197.6	39.77846	1965	73.223	24.8	398.32636	396.092727
197.6	36.77	1943	72.04	0.6	390.551068	365.3598
197.5	35.69684	1917	71.365	6.4	385.211034	341.861171
197.1	37.5006	1895	70.641	21.3	382.896597	326.071429
196.8	34.32578	1870	69.55	40.2	390.014512	316.376248
196.4	32.29143	1860	68.93	50.5	374.812305	318.928739
196	32.91889	1845	68.331	49.3	378.055509	323.8268
195.6	33.52193	1832	68.31	57.1	378.393319	327.78619
195.2	41.95589	1823	67.69	69.2	381.316667	337.560588
194.8	49.12833	1820	67.69	76.5	385.514167	358.061538
194.5	55.59875	1822	67.69	81.7	388.106276	379.160154
194.1	61.89625	1825	67.69	74.6	393.801151	403.702832
194.3	39.75665	1823	68.142	77.1	398	409.768791

2.84247	0.03784	6.60262	12893.168
2.8433	0.03784	6.60431	12902.286
2.84403	0.03784	6.60627	12910.047
2.84483	0.03784	6.60931	12918.858
2.84555	0.03784	6.61177	12928.242
2.8462	0.03784	6.6137	12938.043
2.84678	0.03784	6.6153	12947.381
2.84715	0.03784	6.61638	12953.631
2.84781	0.03784	6.61852	12964.226
2.84871	0.03784	6.62379	12978.954
2.85055	0.03784	6.62945	12997.129
2.85498	0.03784	6.63282	13012.118
2.8602	0.03784	6.63521	13022.522
2.86543	0.03784	6.63817	13031.534
2.86948	0.03784	6.64134	13040.382
2.87119	0.03784	6.64266	13045.588
2.87238	0.03786	6.64324	13050.284
2.87316	0.0379	6.64338	13053.643
2.87371	0.0379	6.6436	13055.645
2.87414	0.03791	6.64434	13057.028
2.87504	0.03791	6.64766	13061.375
2.87618	0.03791	6.66763	13074.289
2.8819	0.03791	6.68171	13093.687
2.89414	0.03791	6.68862	13110.962
2.9071	0.03791	6.69224	13121.79
2.91913	0.03791	6.69572	13131.163
2.92771	0.03791	6.69834	13139.684
2.93267	0.03791	6.70019	13146.856
2.93595	0.03791	6.70209	13154.254
2.93861	0.03791	6.7048	13163.645
2.94055	0.03791	6.7073	13174.91
2.94261	0.03791	6.70918	13189.937
2.94458	0.03791	6.71153	13204.852
2.9456	0.03791	6.71153	13210.203
2.94661	0.03791	6.71153	13213.146
2.94742	0.03791	6.71211	13214.761
2.94799	0.03792	6.71297	13215.859
2.94843	0.03795	6.71389	13216.625
2.94875	0.03797	6.71583	13217.373
2.94901	0.03797	6.71839	13218.459
2.94925	0.03797	6.72107	13220.221
2.94948	0.03798	6.72348	13222.779
2.94976	0.03812	6.72616	13226.609
2.95009	0.03829	6.72934	13232.121
2.95045	0.03833	6.7329	13239.558
2.95081	0.03841	6.73518	13247.932
2.95109	0.03841	6.73652	13254.598

11:15:26.944	-13	0.00029	0	0.00145	6.463	0.000624	70.1
11:15:27.944	-13	0.00028	0	0.00177	6.413	0.000619	70.1
11:15:28.944	-13	0.00026	0	0.00178	6.413	0.000619	70.1
11:15:29.944	-13	0.00021	0	0.00093	5.223	0.000504	69.9
11:15:30.944	-13	0.00017	0.00001	0.00076	4.235	0.000409	69.7
11:15:31.944	-13	0.00016	0.00007	0.0009	3.907	0.000377	69.5
11:15:32.944	-13	0.00016	0.00015	0.00103	3.923	0.000379	69.2
11:15:33.944	-13	0.00018	0.00024	0.00111	3.807	0.000368	68.7
11:15:34.944	-13	0.00019	0.00017	0.00132	4.124	0.000399	68.1
11:15:35.944	-13	0.00019	0.00019	0.00162	4.368	0.000422	67.7
11:15:36.944	-13	0.00017	0.00012	0.00148	4.132	0.000399	67.3
11:15:37.944	-13	0.00021	0.00016	0.00159	5.204	0.000503	67
11:15:38.944	-13	0.00042	0.00028	0.00337	10.783	0.001042	66.6
11:15:39.944	-13	0.00039	0.00001	0.00295	11.996	0.001158	66.6
11:15:40.944	-13	0.0003	0.00003	0.00102	5.17	0.000499	66.6
11:15:41.944	-13	0.00041	0	0.0011	4.041	0.00039	67.1
11:15:42.944	-13	0.00042	0.00008	0.00061	3.141	0.000304	67.6
11:15:43.944	-13	0.00037	0.00007	0.00032	2.043	0.000198	67.1
11:15:44.944	-13	0.00029	0.00004	0.00024	1.077	0.000104	66.4
11:15:45.944	-13	0.00023	0.00004	0.00048	0.54	0.000052	65.6
11:15:46.944	-13	0.00018	0.00001	0.00089	0.346	0.000034	64.7
11:15:47.944	-13	0.00015	0.00003	0.00099	0.258	0.000025	64.1
11:15:48.944	-13	0.00012	0	0.00091	0.21	0.00002	63.3
11:15:49.944	-13	0.0001	0.00003	0.00092	0.169	0.000017	62.7
11:15:50.944	-13	0.00009	0.00001	0.00077	0.13	0.000013	61.9
11:15:51.944	-13	0.00008	0.00002	0.00069	0.105	0.00001	61.3
11:15:52.944	-13	0.00013	0.00003	0.00137	0.174	0.000016	60.5
11:15:53.944	-13	0.00014	0.00001	0.00153	0.298	0.000029	59.8
11:15:54.944	-13	0.00009	0.00006	0.00159	0.514	0.00005	59
11:15:55.944	-13	0.00008	0.00002	0.00166	0.832	0.000081	58.8
11:15:56.944	-13	0.00007	0.00005	0.00113	0.98	0.000095	58.6
11:15:57.944	-13	0.00006	0.00003	0.00056	0.792	0.000077	57.9
11:15:58.944	-13	0.00007	0.00002	0.00036	0.542	0.000053	57.1
11:15:59.944	-13	0.00015	0.00001	0.00084	0.757	0.000073	56.5
11:16:00.944	-13	0.00023	0	0.00208	1.681	0.000163	55.8
11:16:01.944	-13	0.00034	0.00012	0.0106	6.016	0.000583	55.7
11:16:02.944	-13	0.0004	0	0.01298	13.185	0.001274	55.6
11:16:03.944	-13	0.00133	0.00005	0.00868	16.742	0.001615	56.6
11:16:04.944	-13	0.00422	0.00002	0.00445	15.565	0.001501	57.9
11:16:05.944	-13	0.00529	0.0001	0.00146	8.031	0.000775	59.3
11:16:06.944	-13	0.00464	0	0.00043	4.206	0.000406	61
11:16:07.944	-13	0.00397	0.00001	0.00122	3.19	0.000309	61.2
11:16:08.944	-13	0.00257	0.00003	0.00164	2.925	0.000283	61.5
11:16:09.944	-13	0.00136	0	0.00155	2.58	0.00025	61.4
11:16:10.944	-13	0.0009	0.00004	0.0015	2.625	0.000254	61.3
11:16:11.944	-13	0.00059	0.00005	0.00041	2.196	0.000212	61.1
11:16:12.944	-13	0.00032	0.00007	0.00056	1.416	0.000137	60.8

3.90E+00	2.400	2.600	1.877	2.034	-0.400	194.6	44.18543	1821	67.69	83.9	397.619632	413.195093
3.90E+00	2.400	2.600	1.877	2.033	-2.700	195	46.74195	1817	67.69	81.8	401.259919	422.031256
3.80E+00	2.400	2.500	1.869	1.947	0.200	195.4	44.93581	1813	67.452	82.3	404.387321	427.145739
3.70E+00	2.300	2.500	1.790	1.945	-0.200	195.7	39.30437	1805	67.07	79.8	403.903673	428.725904
3.70E+00	2.300	2.500	1.791	1.946	0.900	195.8	31.05629	1798	66.879	60.8	401.709776	423.16732
3.70E+00	2.300	2.500	1.795	1.951	5.500	195.8	29.07625	1785	66.45	51.9	399.090104	409.638033
3.60E+00	2.200	2.400	1.726	1.882	11.000	195.8	30.769	1772	65.83	52.1	390.30359	394.841454
3.60E+00	2.200	2.300	1.740	1.840	16.200	195.8	31.42692	1762	65.2	54	385.037861	382.692826
3.40E+00	2.100	2.200	1.666	1.765	10.500		36.55395	1752	65.2	67.1	383.061654	377.107609
3.30E+00	1.900	2.200	1.525	1.741	11.000		36.20792	1745	64.58	61.3	381.919373	375.787084
3.20E+00	1.900	2.200	1.500	1.737	7.400		30.92446	1736	64.58	49.1	381.046893	370.84375
3.20E+00	1.900	2.200	1.500	1.737	8.200		36.2347	1727	63.96	60.8	379.082759	365.696029
3.20E+00	1.900	2.200	1.496	1.732	7.100		84.62301	1735	64.58	96.4	377.188806	397.631984
3.20E+00	1.900	2.200	1.474	1.687	0.200	194	93.41822	1755	65.2	84.2	379.157973	437.918942
5.20E+00	4.500	2.200	3.486	1.717	1.500	194	41.97872	1760	65.2	82.3	384.712225	437.150362
8.30E+00	8.200	2.300	6.469	1.791	-0.900	194	26.11689	1746	64.6	37.8	382.421086	415.98713
9.10E+00	9.000	2.400	7.172	1.897	6.000	194	28.75127	1723	63.96	0	376.074847	384.610099
8.60E+00	8.300	2.300	6.722	1.896	5.100	194	27.7629	1703	63.346	0	368.333194	353.720553
7.20E+00	6.400	2.300	5.329	1.912	3.700		26.09719	1684	62.72	0	363.642227	332.003097
6.00E+00	4.900	2.300	4.092	1.935	3.600		24.57694	1666	62.1	0.4	359.088421	313.986409
5.20E+00	3.900	2.200	3.326	1.859	0.700		23.29796	1649	61.48	0.3	356.496061	300.329261
4.50E+00	3.100	2.200	2.654	1.862	3.100		21.52122	1631	60.86	0	351.939308	289.321254
4.20E+00	2.700	2.200	2.309	1.864	0.300		19.33016	1616	60.24	0	350.776876	280.657256
3.90E+00	2.500	2.100	2.141	1.780	4.000		17.31775	1597	59.62	0	350.482716	274.571872
3.90E+00	2.500	2.100	2.121	1.781	0.800		14.93203	1579	58.415	0	349.219342	269.346154
3.80E+00	2.400	2.100	1.996	1.783	2.400		13.26505	1561	57.795	12.3	347.94784	265.911249
3.50E+00	2.000	2.100	1.717	1.780	2.400		18.81675	1546	57.135	37.3	343.711875	264.651852
3.50E+00	2.000	2.100	1.694	1.778	0.900		29.47144	1534	57.13	41.2	345.271622	273.075735
3.40E+00	2.000	2.100	1.673	1.757	7.300	192.2	25.80792	1524	56.51	15	340.266942	275.379868
3.40E+00	2.000	2.100	1.647	1.729	3.500	192.2	13.37905	1507	55.89	0.1	321.613684	268.39037
3.30E+00	1.900	2.100	1.550	1.713	8.000	192.2	12.81335	1490	55.27	0	328.674807	263.510127
3.30E+00	1.900	2.100	1.559	1.723	5.200	192.2	12.39292	1473	54.65	0	343.45625	259.130435
3.30E+00	1.900	2.100	1.579	1.745	2.900	192.2	12.24	1456	54.03	6.7	344.393882	254.825714
3.30E+00	1.800	2.100	1.533	1.763	0.900	192.2	22.30696	1442	53.544	54.9	341.530769	255.628012
3.10E+00	1.800	1.900	1.502	1.585	-0.100	192.2	42.92427	1450	53.653	90.6	350.706522	280.785262
2.90E+00	1.700	1.900	1.401	1.541	3.400	192.2	75.50615	1469	54.373	97.1	358.527564	330.123165
2.70E+00	1.600	1.900	1.250	1.485	-0.800	192.2	93.64737	1511	55.77	92.9	362.902454	384.036591
8.30E+00	8.600	2.100	6.634	1.635	1.000	192.6	98.38486	1561	57.482	93.2	366.110204	428.492468
2.81E+01	32.900	3.700	25.329	2.818	0.400	193.3	96.8528	1588	58.831	83.4	366.280422	450.990793
5.91E+01	68.100	7.500	53.220	5.883	3.800	194.1	57.8034	1602	59.62	57.6	370.516597	434.087174
7.83E+01	87.600	10.700	69.730	8.537	-0.500	194.8	41.02594	1599	59.62	42.9	364.355072	399.015924
7.22E+01	78.300	11.300	63.119	9.111	0.400	195.6	32.73792	1599	59.62	49.9	364.011538	380.81713
5.03E+01	51.700	10.600	41.746	8.570	2.300		32.58662	1595	58.99	52.1	361.689062	370.905894
3.41E+01	34.200	8.400	27.407	6.725	-0.200		26.00788	1594	58.99	44.5	359.032036	361.521739
2.34E+01	22.400	6.900	17.869	5.510	3.500		25.71248	1581	58.881	37.5	352.839457	344.897554
1.67E+01	15.200	5.500	12.210	4.448	4.300		29.65515	1569	58.37	13.3	348.071429	331.035183
1.27E+01	11.100	4.600	8.967	3.704	8.700		13.55584	1553	57.75	6.1	342.325884	313.876111

2.95138	0.03841	6.73797	13261.061
2.95166	0.03841	6.73974	13267.474
2.95192	0.03841	6.74152	13273.887
2.95213	0.03841	6.74245	13279.11
2.9523	0.03842	6.74321	13283.345
2.95246	0.03849	6.74411	13287.252
2.95262	0.03864	6.74514	13291.175
2.9528	0.03888	6.74625	13294.982
2.95299	0.03905	6.74757	13299.106
2.95318	0.03924	6.74919	13303.474
2.95335	0.03936	6.75067	13307.606
2.95356	0.03952	6.75226	13312.81
2.95398	0.0398	6.75563	13323.593
2.95437	0.03981	6.75858	13335.589
2.95467	0.03984	6.7596	13340.759
2.95508	0.03984	6.7607	13344.8
2.9555	0.03992	6.76131	13347.941
2.95587	0.03999	6.76163	13349.984
2.95616	0.04003	6.76187	13351.061
2.95639	0.04007	6.76235	13351.601
2.95657	0.04008	6.76324	13351.947
2.95672	0.04011	6.76423	13352.205
2.95684	0.04011	6.76514	13352.415
2.95694	0.04014	6.76606	13352.584
2.95703	0.04015	6.76683	13352.714
2.95711	0.04017	6.76752	13352.819
2.95724	0.0402	6.76889	13352.993
2.95738	0.04021	6.77042	13353.291
2.95747	0.04027	6.77201	13353.805
2.95755	0.04029	6.77367	13354.637
2.95762	0.04034	6.7748	13355.617
2.95768	0.04037	6.77536	13356.409
2.95775	0.04039	6.77572	13356.951
2.9579	0.0404	6.77656	13357.708
2.95813	0.0404	6.77864	13359.389
2.95847	0.04052	6.78924	13365.405
2.95887	0.04052	6.80222	13378.59
2.9602	0.04057	6.8109	13395.332
2.96442	0.04059	6.81535	13410.897
2.96971	0.04069	6.81681	13418.928
2.97435	0.04069	6.81724	13423.134
2.97832	0.0407	6.81846	13426.324
2.98089	0.04073	6.8201	13429.249
2.98225	0.04073	6.82165	13431.829
2.98315	0.04077	6.82315	13434.454
2.98374	0.04082	6.82356	13436.65
2.98406	0.04089	6.82412	13438.066

11:16:13.944	-13	0.0006	0.00009	0.00134	2.783	0.000269	60.3
11:16:14.944	-13	0.0008	0.00011	0.00454	4.758	0.000461	59.6
11:16:15.944	-13	0.00079	0.00004	0.00569	7.993	0.000773	59.9
11:16:16.944	-13	0.00091	0	0.00267	8.461	0.000817	60.2
11:16:17.944	-13	0.00103	0	0.00093	7.485	0.000722	60.8
11:16:18.944	-13	0.00125	0	0.00147	8.796	0.000849	61.6
11:16:19.944	-13	0.00141	0	0.00253	10.405	0.001004	62.1
11:16:20.944	-13	0.00132	0	0.00212	9.95	0.00096	62.8
11:16:21.944	-13	0.00129	0	0.00181	9.676	0.000933	63.4
11:16:22.944	-13	0.00133	0	0.00222	9.972	0.000962	64.2
11:16:23.944	-13	0.00109	0	0.00182	8.21	0.000792	64.9
11:16:24.944	-13	0.00075	0	0.00125	5.375	0.000519	65.7
11:16:25.944	-13	0.0007	0	0.00076	4.299	0.000415	66.1
11:16:26.944	-13	0.00061	0.0001	0.0001	2.86	0.000277	66.7
11:16:27.944	-13	0.00046	0.00004	0	1.386	0.000134	66.2
11:16:28.944	-13	0.00032	0.00003	0.00035	0.726	0.00007	65.5
11:16:29.944	-13	0.00025	0.00001	0.00072	0.438	0.000043	64.9
11:16:30.944	-13	0.00024	0.00002	0.00125	0.366	0.000036	64.1
11:16:31.944	-13	0.00022	0.00003	0.00157	0.449	0.000044	63.6
11:16:32.944	-13	0.00023	0.00003	0.00286	1.043	0.000101	62.9
11:16:33.944	-13	0.00026	0.00008	0.00403	2.804	0.000272	62.8
11:16:34.944	-13	0.00031	0.00002	0.0045	5.465	0.000529	62.7
11:16:35.944	-13	0.00039	0.00004	0.00524	8.677	0.000838	63
11:16:36.944	-13	0.0004	0	0.00166	9.875	0.000953	63.3
11:16:37.944	-13	0.0003	0	0.00046	6.158	0.000594	63.9
11:16:38.944	-13	0.00026	0.00004	0.00058	4.383	0.000423	64.6
11:16:39.944	-13	0.00025	0.00001	0.00076	3.535	0.000341	64.6
11:16:40.944	-13	0.00021	0.00008	0.00064	2.816	0.000272	64.7
11:16:41.944	-13	0.00019	0.00007	0.00058	2.081	0.000201	64.2
11:16:42.944	-13	0.00022	0.00008	0	1.603	0.000155	63.5
11:16:43.944	-13	0.00021	0.00004	0.00064	1.241	0.00012	62.8
11:16:44.944	-13	0.0002	0.00001	0.00271	1.605	0.000156	62
11:16:45.944	-13	0.00019	0.00007	0.00325	2.929	0.000284	62
11:16:46.944	-13	0.00019	0.00001	0.00199	3.706	0.000358	62.1
11:16:47.944	-13	0.00021	0.00013	0.00136	4.321	0.000418	62.2
11:16:48.944	-13	0.00022	0.00002	0.00141	4.849	0.000469	62.4
11:16:49.944	-13	0.00019	0.00003	0.00171	4.769	0.000461	62.5
11:16:50.944	-13	0.00014	0	0.00107	3.459	0.000334	62.6
11:16:51.944	-13	0.00013	0.00003	0.0006	2.918	0.000282	62.5
11:16:52.944	-13	0.00011	0.00005	0.00024	1.858	0.00018	62.4
11:16:53.944	-13	0.00009	0.00003	0.00001	1.01	0.000098	61.6
11:16:54.944	-13	0.00008	0.00002	0.0001	0.568	0.000055	60.6
11:16:55.944	-13	0.00007	0	0.00043	0.343	0.000033	59.1
11:16:56.944	-13	0.00006	0.00001	0.00061	0.24	0.000023	57.3
11:16:57.944	-13	0.00006	0	0.00061	0.193	0.000019	56.5
11:16:58.944	-13	0.00006	0	0.00053	0.173	0.000017	55.4
11:16:59.944	-13	0.00005	0.00001	0.00052	0.151	0.000015	54.4

1.05E+01	8.900	4.100	7.240	3.301	5.400	194	45.12434	1552	57.75	61.5	339.720483	311.489307
8.50E+00	7.000	3.500	5.694	2.825	3.900	194	65.18619	1565	57.832	84.1	349.273824	345.004589
7.70E+00	6.500	3.300	5.138	2.608	1.300	194	63.36507	1584	58.99	81.5	360.584521	377.530682
9.80E+00	9.300	3.300	7.255	2.573	-3.200	194	52.51672	1602	59.62	76.2	370.385124	394.227605
1.26E+01	12.800	3.300	9.996	2.572	0.000	194	48.75443	1613	60.09	93.6	366.535917	402.865615
1.36E+01	14.200	3.400	11.006	2.620	-3.200	194.4	59.00992	1632	60.715	88.9	372.78815	420.451485
1.37E+01	14.300	3.400	11.045	2.626	-1.600	194.7	66.23164	1654	61.311	81.3	379.975141	433.792532
1.35E+01	14.100	3.400	10.894	2.622	-2.700	195.1	60.02217	1673	62.1	83.4	384.779762	440.130816
1.33E+01	13.800	3.400	10.690	2.628	-2.000	195.5	59.75557	1691	62.72	84.3	383.156651	443.967904
1.33E+01	13.800	3.400	10.668	2.628	-2.100	195.8	62.27923	1709	63.383	82.6	362.238497	449.362195
1.33E+01	13.800	3.400	10.668	2.628	-4.600	195.8	62.47979	1725	63.96	78.2	346.888816	452.798125
1.34E+01	13.800	3.400	10.711	2.639	-0.200	195.8	24.38667	1730	64.553	46.1	368.973684	437.709243
1.34E+01	13.700	3.400	10.744	2.676	-1.600	195.8	31.53896	1717	63.96	3.9	371.978422	401.192355
1.25E+01	12.100	3.400	9.739	2.740	7.000	195.8	30.35718	1698	63.34	0	351.896303	366.300426
1.03E+01	9.400	3.100	7.767	2.526	2.800	195.4	29.01732	1686	62.72	0	342.575	338.750343
7.90E+00	6.600	2.700	5.568	2.284	2.100	195	27.51786	1670	62.1	0	334.916469	317.479121
6.40E+00	5.000	2.600	4.241	2.194	1.200	194.6	25.55234	1652	61.48	1	333.184143	300.614205
5.60E+00	4.200	2.400	3.533	2.052	1.800	194.2	28.91624	1643	60.86	15.8	330.776565	289.694118
4.90E+00	3.500	2.300	2.966	1.967	2.100	194	30.8219	1633	60.86	49.4	333.855612	289.103206
4.50E+00	3.100	2.300	2.614	1.924	1.600	194	34.19827	1630	60.86	63.1	330.087821	302.583062
4.20E+00	2.800	2.300	2.306	1.877	4.600	194	39.84986	1633	60.86	73.6	331.476618	319.585827
4.00E+00	2.700	2.300	2.153	1.834	1.000	194	54.33392	1646	61	82.9	335.461698	344.0003
4.00E+00	2.700	2.400	2.110	1.876	1.200	194	66.02418	1663	62.1	78.2	350.965263	379.349244
4.00E+00	2.800	2.400	2.148	1.859	-0.300	194	62.76132	1678	62.336	74.6	361.114286	400.690955
4.70E+00	3.700	2.400	2.838	1.863	-1.400	194	25.89513	1685	62.72	70.6	364.014761	402.004469
5.20E+00	4.200	2.400	3.300	1.877	2.600	194	30.17972	1682	62.72	59.1	357.2125	390.571283
5.70E+00	4.800	2.400	3.768	1.895	1.000	194	26.93576	1676	62.419	32.9	358.611561	378.063596
5.70E+00	4.800	2.300	3.807	1.846	7.300	194	24.1179	1658	61.745	4.4	348.02659	354.031062
5.50E+00	4.600	2.300	3.666	1.852	6.800	194	22.77859	1640	60.86	0.1	336.25625	331.609449
5.20E+00	4.100	2.200	3.352	1.830	6.500	194	21.47088	1634	60.56	27.8	326.341159	315.225974
4.30E+00	3.300	2.000	2.710	1.628	2.600	194	36.04721	1619	60.24	64	325.3001	313.690827
3.90E+00	2.800	1.800	2.340	1.513	0.700	194	34.02136	1620	60.24	65.7	328.560269	322.924
3.60E+00	2.600	1.800	2.100	1.454	4.500	194	31.52353	1619	60.24	51.7	331.047793	326.887876
3.50E+00	2.600	1.800	2.075	1.436	0.700	193.6	32.99373	1618	60.24	60.6	331.261923	328.850149
3.50E+00	2.600	1.800	2.066	1.431	7.000	193.2	38.73618	1620	60.24	75	332.127114	336.349126
3.50E+00	2.600	1.800	2.055	1.423	1.100	192.8	39.98373	1626	60.24	80.4	334.707143	349.115443
3.50E+00	2.600	1.800	2.040	1.413	1.900	192.5	39.23769	1631	60.666	74.8	334.584382	361.696044
3.70E+00	2.900	1.800	2.246	1.406	0.000	192.2	22.04671	1621	60.605	38.3	335.000769	353.98
3.90E+00	3.200	1.800	2.483	1.407	3.400	192.2	18.89852	1605	59.62	0.3	333.927264	335.118781
4.10E+00	3.300	1.800	2.627	1.433	6.400	192.2	15.81801	1584	58.604	0	332.048	316.662514
4.20E+00	3.300	1.800	2.691	1.468	4.000	192.2	13.47026	1539	57.027	0	323.627805	302.591915
4.10E+00	3.300	1.600	2.738	1.328	2.800	192.2	12.68055	1488	55.153	0	319.815385	291.752747
3.70E+00	2.900	1.500	2.411	1.257	-1.000	192.2	12.3459	1465	54.533	0	316.830898	283.186186
3.50E+00	2.700	1.400	2.273	1.203	1.800	192.2	12.05238	1433	53.292	0	314.280833	275.7856
3.20E+00	2.400	1.400	2.047	1.181	-0.600	192.2	11.91	1407	52.16	0	311.645218	268.986076
3.20E+00	2.400	1.400	2.027	1.183	0.200	192.2	11.76928	1383	51.21	0	299.577694	262.766667
3.10E+00	2.300	1.400	1.945	1.184	1.400	192.2	11.57279	1361	50.476	0	302.401923	257.063956

2.98466	0.04098	6.82546	13440.849
2.98546	0.04109	6.83	13445.607
2.98625	0.04113	6.83569	13453.6
2.98716	0.04113	6.83836	13462.061
2.98819	0.04113	6.83929	13469.546
2.98944	0.04113	6.84076	13478.342
2.99085	0.04113	6.84329	13488.747
2.99217	0.04113	6.84541	13498.697
2.99346	0.04113	6.84722	13508.373
2.99479	0.04113	6.84944	13518.345
2.99588	0.04113	6.85126	13526.555
2.99663	0.04113	6.85251	13531.93
2.99733	0.04113	6.85327	13536.229
2.99794	0.04123	6.85337	13539.089
2.9984	0.04127	6.85337	13540.475
2.99872	0.0413	6.85372	13541.201
2.99897	0.04131	6.85444	13541.639
2.99921	0.04133	6.85569	13542.005
2.99943	0.04136	6.85726	13542.454
2.99966	0.04139	6.86012	13543.497
2.99992	0.04147	6.86415	13546.301
3.00023	0.04149	6.86865	13551.766
3.00062	0.04153	6.87389	13560.443
3.00102	0.04153	6.87555	13570.318
3.00132	0.04153	6.87601	13576.476
3.00158	0.04157	6.87659	13580.859
3.00183	0.04158	6.87735	13584.394
3.00204	0.04166	6.87799	13587.21
3.00223	0.04173	6.87857	13589.291
3.00245	0.04181	6.87857	13590.894
3.00266	0.04185	6.87921	13592.135
3.00286	0.04186	6.88192	13593.74
3.00305	0.04193	6.88517	13596.669
3.00324	0.04194	6.88716	13600.375
3.00345	0.04207	6.88852	13604.696
3.00367	0.04209	6.88993	13609.545
3.00386	0.04212	6.89164	13614.314
3.004	0.04212	6.89271	13617.773
3.00413	0.04215	6.89331	13620.691
3.00424	0.0422	6.89355	13622.549
3.00433	0.04223	6.89356	13623.559
3.00441	0.04225	6.89366	13624.127
3.00448	0.04225	6.89409	13624.47
3.00454	0.04226	6.8947	13624.71
3.0046	0.04226	6.89531	13624.903
3.00466	0.04226	6.89584	13625.076
3.00471	0.04227	6.89636	13625.227

11:17:00.944	-13	0.00005	0	0.00052	0.134	0.000013	53.1
11:17:01.944	-13	0.00005	0.00001	0.00058	0.118	0.000012	52
11:17:02.944	-13	0.00005	0	0.0006	0.104	0.00001	50.7
11:17:03.944	-13	0.00005	0.00001	0.00055	0.089	0.000009	50.1
11:17:04.944	-13	0.00005	0	0.00048	0.078	0.000008	49.3
11:17:05.944	-13	0.00005	0	0.00047	0.071	0.000007	48.1
11:17:06.944	-13	0.00004	0	0.00046	0.066	0.000007	46.5
11:17:07.944	-13	0.00004	0	0.00046	0.06	0.000007	45.2
11:17:08.944	-13	0.00005	0.00001	0.00048	0.057	0.000007	43.6
11:17:09.944	-13	0.00004	0	0.0005	0.052	0.000007	41.4
11:17:10.944	-13	0.00004	0.00001	0.00056	0.047	0.000007	38.7
11:17:11.944	-13	0.00005	0	0.0006	0.049	0.000007	37.4
11:17:12.944	-13	0.00005	0	0.00051	0.047	0.000007	35.7
11:17:13.944	-13	0.00004	0	0.00048	0.043	0.000007	34.7
11:17:14.944	-13	0.00005	0	0.00053	0.043	0.000007	33.4
11:17:15.944	-13	0.00009	0.00001	0.001	0.086	0.000014	32.2
11:17:16.944	-13	0.0001	0.00005	0.00122	0.225	0.000022	30.7
11:17:17.944	-13	0.00011	0.00007	0.00196	0.859	0.000083	30
11:17:18.944	-13	0.00006	0	0.00151	0.934	0.000091	29.1
11:17:19.944	-13	0.00005	0.00001	0.00111	1.117	0.000108	28.6
11:17:20.944	-13	0.00005	0	0.00073	1.077	0.000104	28.1
11:17:21.944	-13	0.00005	0	0.00055	0.958	0.000093	25.5
11:17:22.944	-13	0.00006	0.00002	0.00063	0.982	0.000095	22.3
11:17:23.944	-13	0.00015	0	0.00083	1.545	0.00015	19.5
11:17:24.944	-13	0.00016	0.00005	0.00094	1.394	0.000135	16.1
11:17:25.944	-13	0.00028	0.00003	0.00515	3.833	0.000372	16.4
11:17:26.944	-13	0.00041	0.00009	0.0096	10.438	0.00101	16.7
11:17:27.944	-13	0.0013	0.00005	0.01182	22.27	0.002149	19.4
11:17:28.944	-13	0.00604	0	0.00775	24.206	0.002335	22.7
11:17:29.944	-13	0.00898	0.00002	0.00506	14.354	0.001386	27.2
11:17:30.944	-13	0.00563	0	0.00146	6.362	0.000614	32.6
11:17:31.944	-13	0.00295	0.00003	0.00091	3.318	0.000321	34.3
11:17:32.944	-13	0.00185	0	0.00101	2.792	0.00027	36.4
11:17:33.944	-13	0.00132	0.00006	0.00125	2.738	0.000265	36.4
11:17:34.944	-13	0.00088	0.00006	0.0014	2.543	0.000246	36.4
11:17:35.944	-13	0.00056	0.00008	0.00133	2.317	0.000224	36.2
11:17:36.944	-13	0.00033	0.00005	0.0009	1.629	0.000158	35.9
11:17:37.944	-13	0.00019	0.00002	0.00055	0.954	0.000092	35.3
11:17:38.944	-13	0.00014	0.00003	0.00032	0.582	0.000056	34.6
11:17:39.944	-13	0.00011	0	0.00027	0.363	0.000035	32.7
11:17:40.944	-13	0.00013	0.00001	0.00056	0.366	0.000035	30.3
11:17:41.944	-13	0.00014	0	0.00095	0.331	0.000032	26.1
11:17:42.944	-13	0.00009	0	0.00041	0.181	0.000018	21.1
11:17:43.944	-13	0.00012	0.00001	0.00072	0.233	0.000023	18.3
11:17:44.944	-13	0.00015	0.00002	0.00107	0.337	0.000033	14.8
11:17:45.944	-13	0.00021	0.00006	0.00186	0.578	0.000056	11.9
11:17:46.944	-13	0.00043	0.00004	0.00559	2.949	0.000286	8.4

3.00E+00	2.200	1.400	1.862	1.185	-1.400	191.8	11.21781	1334	49.68	0	299.416573	252.106667
3.00E+00	2.100	1.400	1.779	1.186	1.400	191.5	11.13726	1311	48.625	0	297.720655	247.720607
3.00E+00	2.100	1.400	1.780	1.187	-1.800	191.1	10.94036	1289	47.871	0	301.5588	243.674898
3.00E+00	2.100	1.500	1.781	1.250	1.200	190.7	10.79922	1256	46.641	0	300.481749	240.212967
3.10E+00	2.100	1.500	1.782	1.273	-0.300	190.4	10.46136	1218	45.403	0	298.172086	237.048713
3.00E+00	2.000	1.500	1.715	1.271	1.000	190.4	10.14158	1187	44.079	0	303.41573	234.42422
3.00E+00	2.000	1.500	1.694	1.271	1.100	190.4	9.8595	1146	42.601	0.1	310.671785	231.96169
3.00E+00	2.000	1.500	1.694	1.271	0.300	190.4	9.51929	1098	40.419	0.3	320.412143	229.049885
3.00E+00	2.000	1.500	1.694	1.271	2.400	190.4	10.22369	1213	37.494	0	324.251974	226.280196
2.80E+00	1.800	1.500	1.547	1.271	-2.000	190.4	9.85222	1160	35.609	0	310.763684	223.411543
2.80E+00	1.800	1.500	1.525	1.271	1.200	190.4	9.50504	1120	34.16	0.2	304.366599	221.305195
2.80E+00	1.800	1.500	1.525	1.271	-0.500	190.4	10.64992	1310	32.91	0.2	303.7725	218.874942
2.80E+00	1.800	1.500	1.525	1.271	0.500	190.4	10.50474	1267	32.085	0	277.511447	216.925596
2.80E+00	1.800	1.500	1.525	1.270	0.600	190.4	10.25957	1217	31.05	10.8	285.297368	214.827687
2.80E+00	1.700	1.600	1.463	1.332	0.200	190.4	9.92889	1168	29.811	11.6	294.379054	213.782111
2.80E+00	1.700	1.600	1.440	1.355	1.200	190.4	22.8751	1132	28.57	33.7	305.340307	215.325028
2.80E+00	1.700	1.600	1.441	1.356	4.300	190.4	22.76753	1126	27.95	61.3	320.326121	226.141613
2.80E+00	1.700	1.600	1.420	1.336	5.600	190.4	27.65624	1322	27.32	54.6	299.866929	237.378579
2.80E+00	1.700	1.700	1.392	1.392	0.100	190.4	13.45982	1280	26.524	13	289.854605	239.928074
2.80E+00	1.800	1.700	1.429	1.371	0.900	190.4	10.82229	1198	24.983	0.2	287.1947	233.289211
2.90E+00	1.900	1.800	1.503	1.443	0.000	190.4	9.7875	1114	21.841	0	284.890208	227.906868
3.10E+00	1.900	1.900	1.528	1.528	0.900	190.4	9.48604	1063	18.74	5.7	278.764182	223.312008
3.20E+00	2.000	1.900	1.626	1.545	2.800	190.4	10.25034	1182	16.413	0.9	273.689615	218.765966
3.20E+00	2.000	1.900	1.652	1.569	0.300	190.4	29.79727	1172	15.53	45.6	270.419734	220.870968
3.20E+00	2.000	1.800	1.662	1.496	3.200	190.4	32.44414	1219	16.481	74.2	276.246894	237.898102
3.10E+00	2.000	1.800	1.636	1.472	1.000	190.4	51.6953	1358	18.111	96.9	289.442917	271.478033
3.00E+00	2.000	1.800	1.582	1.424	2.200	190.4	79.80178	1577	21.287	99.6	315.499881	325.823264
6.10E+00	6.000	1.900	4.633	1.443	0.800	190.4	128.36879	1928	25.984	98.7	332.039189	393.16973
2.59E+01	31.100	2.500	23.978	1.889	-0.500	190.8	152.96169	2269	30.918	83.1	351.419737	434.361386
5.85E+01	69.400	5.800	54.017	4.493	0.500	191.2	102.06189	2257	34.064	69.5	357.461205	435.738889
7.39E+01	85.500	8.600	67.162	6.760	-2.400	191.5	42.99165	1968	34.781	70.1	351.63	416.056875
6.77E+01	76.500	9.100	60.542	7.206	2.400	191.9	28.72846	1684	35.4	63	333.38417	394.127141
4.71E+01	50.400	8.800	40.091	6.986	-0.800	192.2	25.09692	1671	34.78	50.6	331.435	371.995499
3.25E+01	33.200	7.400	26.525	5.929	4.900	192.2	26.42023	1665	34.78	46.5	326.280288	352.130731
2.18E+01	21.200	5.900	16.998	4.758	4.700	192.2	26.7422	1650	34.78	41.5	322.089884	335.8266
1.44E+01	13.300	4.600	10.685	3.707	6.600	192.2	31.60703	1627	34.16	15.3	317.42876	318.75907
1.11E+01	9.800	3.900	7.933	3.141	5.900	192.2	18.0482	1418	33.53	0.1	315.5	300.488616
9.00E+00	7.600	3.400	6.224	2.741	2.800	192.2	11.77239	1285	32.523	0.7	314.06	286.501778
7.60E+00	6.200	3.000	5.144	2.504	5.200	192.2	10.6418	1169	29.501	0.6	308.56401	277.625277
6.90E+00	5.400	2.800	4.516	2.360	-0.800	192.2	9.63	1037	25.46	0	304.565173	269.588966
6.40E+00	5.000	2.600	4.152	2.202	0.900	192.2	14.35986	1000	20.624	5.6	296.534426	263.291577
6.10E+00	4.600	2.600	3.892	2.186	-0.400	192.2	16.27024	964	17.654	3.3	289.903694	256.848165
5.80E+00	4.400	2.500	3.668	2.108	0.400	192.2	8.03651	910	14.737	9.5	285.351879	249.984416
5.30E+00	3.900	2.400	3.272	2.047	1.500	192.2	15.10452	833	10.745	22.8	283.844259	246.675275
5.20E+00	3.700	2.400	3.141	2.024	1.800	192.2	17.50362	835	7.792	22.4	282.832927	243.616591
4.90E+00	3.400	2.400	2.883	2.021	4.700	192.2	28.62237	1210	7.855	51.6	280.452299	248.262438
4.50E+00	3.100	2.300	2.608	1.905	1.400	192.2	75.92893	1822	10.529	67.6	287.720794	277.563146

3.00476	0.04227	6.89688	13625.361
3.00481	0.04228	6.89746	13625.479
3.00486	0.04228	6.89806	13625.583
3.00491	0.04229	6.89861	13625.672
3.00496	0.04229	6.89909	13625.75
3.00501	0.04229	6.89956	13625.821
3.00505	0.04229	6.90002	13625.887
3.00509	0.04229	6.90048	13625.947
3.00514	0.0423	6.90096	13626.004
3.00518	0.0423	6.90146	13626.056
3.00522	0.04231	6.90202	13626.103
3.00527	0.04231	6.90262	13626.152
3.00532	0.04231	6.90313	13626.199
3.00536	0.04231	6.90361	13626.242
3.00541	0.04231	6.90414	13626.285
3.0055	0.04232	6.90514	13626.371
3.0056	0.04237	6.90636	13626.596
3.00571	0.04244	6.90832	13627.455
3.00577	0.04244	6.90983	13628.389
3.00582	0.04245	6.91094	13629.506
3.00587	0.04245	6.91167	13630.583
3.00592	0.04245	6.91222	13631.541
3.00598	0.04247	6.91285	13632.523
3.00613	0.04247	6.91368	13634.068
3.00629	0.04252	6.91462	13635.462
3.00657	0.04255	6.91977	13639.295
3.00698	0.04264	6.92937	13649.733
3.00828	0.04269	6.94119	13672.003
3.01432	0.04269	6.94894	13696.209
3.0233	0.04271	6.954	13710.563
3.02893	0.04271	6.95546	13716.925
3.03188	0.04274	6.95637	13720.243
3.03373	0.04274	6.95738	13723.035
3.03505	0.0428	6.95863	13725.773
3.03593	0.04286	6.96003	13728.316
3.03649	0.04294	6.96136	13730.633
3.03682	0.04299	6.96226	13732.262
3.03701	0.04301	6.96281	13733.216
3.03715	0.04304	6.96313	13733.798
3.03726	0.04304	6.9634	13734.161
3.03739	0.04305	6.96396	13734.527
3.03753	0.04305	6.96491	13734.858
3.03762	0.04305	6.96532	13735.039
3.03774	0.04306	6.96604	13735.272
3.03789	0.04308	6.96711	13735.609
3.0381	0.04314	6.96897	13736.187
3.03853	0.04318	6.97456	13739.136

11:17:47.944	-13	0.00057	0.00011	0.00975	7.561	0.000732	9.7
11:17:48.944	-13	0.00095	0.00005	0.00629	10.28	0.000994	11.4
11:17:49.944	-13	0.00163	0.00009	0.00543	12.215	0.00118	14.5
11:17:50.944	-13	0.00214	0.00007	0.00482	13.112	0.001267	18.3
11:17:51.944	-13	0.00208	0.00001	0.0034	11.105	0.001073	21.3
11:17:52.944	-13	0.0018	0.00007	0.00244	9.004	0.000869	25
11:17:53.944	-13	0.00147	0	0.00231	7.161	0.000692	27.4
11:17:54.944	-13	0.00111	0.00005	0.00174	5.348	0.000516	30.2
11:17:55.944	-13	0.00064	0	0.00107	3.211	0.00031	31.4
11:17:56.944	-13	0.00043	0.00002	0.00086	2.499	0.000241	32.9
11:17:57.944	-13	0.00023	0.00002	0.00062	1.607	0.000155	32.9
11:17:58.944	-13	0.00016	0.00002	0.00054	1.138	0.00011	33
11:17:59.944	-13	0.00012	0.00003	0.0001	0.774	0.000075	30
11:18:00.944	-13	0.0001	0.00001	0.00026	0.532	0.000051	26.2
11:18:01.944	-13	0.00009	0.00003	0.00028	0.374	0.000036	23.1
11:18:02.944	-13	0.00012	0.00002	0.00047	0.4	0.000039	19.3
11:18:03.944	-13	0.00024	0.00009	0.00143	0.688	0.000067	17.6
11:18:04.944	-13	0.00029	0.00008	0.00279	1.39	0.000135	15.5
11:18:05.944	-13	0.00038	0.00009	0.00596	3.984	0.000386	16.1
11:18:06.944	-13	0.0005	0.00008	0.00736	7.854	0.00076	16.9
11:18:07.944	-13	0.00062	0.00001	0.00594	10.694	0.001033	18.3
11:18:08.944	-13	0.00091	0.00018	0.00463	12.494	0.001206	20.1
11:18:09.944	-13	0.00094	0.00001	0.00293	9.464	0.000914	22.1
11:18:10.944	-13	0.00096	0.00009	0.00228	7.07	0.000683	24.6
11:18:11.944	-13	0.00131	0.00008	0.00274	8.832	0.000853	26.1
11:18:12.944	-13	0.00169	0.00009	0.00453	11.892	0.001148	28
11:18:13.944	-13	0.00221	0.00017	0.00349	12.851	0.00124	29.4
11:18:14.944	-13	0.00321	0.00002	0.00277	10.631	0.001026	31
11:18:15.944	-13	0.00482	0.00022	0.00385	12.374	0.001194	32.5
11:18:16.944	-13	0.00584	0.00008	0.00459	14.295	0.001379	34.3
11:18:17.944	-13	0.0042	0.00012	0.00219	9.291	0.000897	35.7
11:18:18.944	-13	0.0025	0.00005	0.0005	4.842	0.000468	37.4
11:18:19.944	-13	0.00211	0.00007	0.00107	3.964	0.000383	38
11:18:20.944	-13	0.0015	0.00009	0.00152	3.531	0.000341	38.7
11:18:21.944	-13	0.00108	0.00005	0.00149	3.52	0.00034	38.4
11:18:22.944	-13	0.0008	0.00011	0.0012	3.772	0.000364	38.1
11:18:23.944	-13	0.0006	0.00003	0.00077	3.763	0.000363	38
11:18:24.944	-13	0.00052	0.0001	0.00076	3.728	0.00036	37.9
11:18:25.944	-13	0.00047	0.00006	0.00095	3.738	0.000361	37.9
11:18:26.944	-13	0.00046	0.00007	0.00104	3.754	0.000363	37.9
11:18:27.944	-13	0.00044	0.00006	0.00103	3.742	0.000361	38.3
11:18:28.944	-13	0.00043	0.00004	0.00103	3.707	0.000358	38.7
11:18:29.944	-13	0.00043	0.00007	0.00104	3.735	0.000361	39.1
11:18:30.944	-13	0.0004	0.00001	0.00096	3.462	0.000334	39.6
11:18:31.944	-13	0.00034	0.00006	0.00084	2.992	0.000289	40
11:18:32.944	-13	0.00031	0.00007	0.00087	2.654	0.000257	40.5
11:18:33.944	-13	0.0003	0.00012	0.00084	2.354	0.000228	40.9

4.40E+00	3.100	2.300	2.501	1.856	2.800	192.2	84.04423	2077	13.66	72.8	308.411657	320.393846
6.80E+00	6.000	2.500	4.751	2.024	1.200	192.2	90.09462	2036	17.087	65.2	314.631262	349.248208
1.07E+01	10.700	2.900	8.438	2.304	2.000	192.2	95.42187	2186	20.32	75.5	318.1622	373.490296
1.37E+01	14.400	3.100	11.280	2.436	1.600	192.2	97.89077	2255	23.489	74.7	314.599904	392.381909
1.60E+01	17.300	3.100	13.577	2.433	0.400	192.2	82.39876	2056	26.543	73.4	316.202303	405.948824
1.74E+01	19.000	3.200	14.887	2.488	2.300	192.2	69.3741	1771	28.412	71.1	317.356744	412.693894
1.80E+01	19.700	3.200	15.468	2.506	-0.900	192.2	50.35723	1718	30.04	71.7	317.775145	410.5282
1.80E+01	19.800	3.200	15.519	2.508	2.600	192.2	39.65315	1753	31.401	74.4	309.741774	404.418578
1.69E+01	18.300	3.200	14.364	2.513	-0.300	192.2	21.56375	1520	31.67	38.8	316.921562	394.2
1.40E+01	14.600	3.200	11.499	2.520	2.600	192.2	27.90396	1267	31.816	1.1	310.676	367.076448
1.11E+01	10.800	3.200	8.572	2.530	2.600	192.2	11.21259	1176	29.629	0	308.627004	344.1208
9.00E+00	8.000	3.100	6.447	2.510	2.900	192.2	10.49455	1066	25.909	0	306.518427	327.841434
7.40E+00	6.100	2.900	4.979	2.388	6.400	192.2	10.49008	1044	21.937	0.4	305.716316	315.512175
6.30E+00	4.900	2.700	4.049	2.232	1.300	192.2	10.72954	1089	19.316	6.2	303.760667	302.518235
5.80E+00	4.400	2.500	3.690	2.106	5.800	192.2	9.70698	1008	16.251	5	301.486151	292.95183
5.50E+00	4.100	2.400	3.459	2.033	2.500	192.2	14.25392	1112	14.962	10.8	300.195218	284.28011
5.20E+00	3.800	2.400	3.179	2.020	6.600	192.2	30.23913	1333	14.952	49.5	296.300937	279.593463
5.00E+00	3.600	2.400	3.003	2.002	4.700	192.2	41.26138	1573	16.216	71.4	300.206771	296.282609
4.80E+00	3.500	2.400	2.845	1.951	3.800	192.2	41.98416	1671	16.938	82	304.800104	313.957129
4.70E+00	3.500	2.500	2.780	1.965	2.600	192.2	68.03821	1975	18.962	80.7	312.566224	338.502397
5.00E+00	3.800	2.600	2.969	2.038	0.300	192.2	71.40968	2050	21.145	78.4	329.500945	367.632427
6.60E+00	5.800	2.700	4.504	2.108	4.400	192.2	88.67245	2199	23.37	75.6	340.197361	387.632558
9.00E+00	8.800	2.700	6.896	2.109	0.200	192.2	75.03988	1975	25.463	76.6	328.238462	401.380022
1.19E+01	12.400	2.700	9.738	2.116	3.900	192.2	48.72643	1733	26.67	79	333.83972	403.864569
1.35E+01	14.600	2.700	11.359	2.108	2.900	192.6	57.2186	1595	27.905	98.5	333.38736	414.240616
1.40E+01	15.300	2.700	11.858	2.093	2.600	193	75.11977	1691	29.715	82.1	340.761538	432.988689
1.74E+01	19.700	2.800	15.217	2.145	4.400	193.3	80.86023	1793	31.673	75.8	343.766388	444.208333
2.92E+01	34.500	3.100	26.768	2.443	0.700	193.7	66.6438	1862	33.036	78.6	330.162406	445.367791
3.73E+01	44.200	3.800	34.307	2.951	5.600	194	78.71691	1944	34.26	85.4	331.934615	452.051548
4.02E+01	47.500	4.400	36.825	3.422	1.800	194	95.59231	2045	36.126	77.4	334.905395	464.499101
4.23E+01	49.400	5.000	38.431	3.872	3.900	194	72.17822	2102	37.26	68.3	338.5	458.660839
4.34E+01	50.000	5.200	39.287	4.088	2.800	194	30.32347	1792	37.459	59.5	320.248816	437.226573
4.02E+01	45.500	5.200	36.082	4.123	4.300	194	33.71167	1698	37.26	59.4	312.366387	416.217778
3.10E+01	33.800	5.200	26.864	4.134	6.300	194.2	30.29651	1452	36.64	70	323.02732	405.370588
2.32E+01	24.400	5.000	19.304	3.925	3.600	194.6	29.20977	1441	36.64	71.1	323.419537	398.9
1.74E+01	17.500	4.600	13.781	3.662	7.600	194.9	29.56109	1439	36.64	65.8	326.583333	392.978547
1.33E+01	12.800	4.100	10.092	3.245	2.100	195.3	28.67242	1440	36.64	60.8	341.220075	387.216612
1.16E+01	10.900	3.800	8.547	3.012	7.200	195.7	28.62155	1438	36.64	62.9	339.261224	380.748101
1.04E+01	9.800	3.400	7.743	2.640	4.400	195.5	29.28292	1453	36.841	64.2	336.381818	377.131913
9.90E+00	9.400	3.200	7.426	2.521	5.400	195.1	29.09333	1464	37.26	62	334.496495	373.961739
9.70E+00	9.200	3.100	7.208	2.442	4.400	194.8	28.91215	1481	37.569	60.9	338.941127	370.847401
9.40E+00	9.000	2.900	7.092	2.307	3.200	194.4	28.73418	1499	38.193	61.1	339.064286	368.517217
9.40E+00	9.000	2.900	7.094	2.286	5.400	194.1	29.42956	1521	38.5	61.2	338.354916	366.1816
9.40E+00	9.000	2.900	7.094	2.286	0.600	194	28.04591	1542	39.12	49.9	337.540919	362.492124
9.20E+00	9.000	2.700	7.099	2.151	5.000	194	24.21317	1553	39.74	55.8	334.456936	355.013226
9.30E+00	9.000	2.700	7.116	2.135	6.800	194	20.54431	1368	39.74	34.5	329.812	344.031088
9.30E+00	9.000	2.700	7.146	2.144	12.500	194	19.72953	1297	39.74	31.9	324.455057	331.95297

3.0391	0.04329	6.98431	13746.697
3.04005	0.04334	6.9906	13756.977
3.04168	0.04343	6.99603	13769.192
3.04382	0.0435	7.00085	13782.304
3.0459	0.04351	7.00425	13793.409
3.0477	0.04358	7.00669	13802.413
3.04917	0.04358	7.009	13809.574
3.05028	0.04363	7.01074	13814.922
3.05092	0.04363	7.01181	13818.133
3.05135	0.04365	7.01267	13820.632
3.05158	0.04367	7.01329	13822.239
3.05174	0.04369	7.01383	13823.377
3.05186	0.04372	7.01393	13824.151
3.05196	0.04373	7.01419	13824.683
3.05205	0.04376	7.01447	13825.057
3.05217	0.04378	7.01494	13825.457
3.05241	0.04387	7.01637	13826.145
3.0527	0.04395	7.01916	13827.535
3.05308	0.04404	7.02512	13831.519
3.05358	0.04412	7.03248	13839.373
3.0542	0.04413	7.03842	13850.067
3.05511	0.04431	7.04305	13862.561
3.05605	0.04432	7.04598	13872.025
3.05701	0.04441	7.04826	13879.095
3.05832	0.04449	7.051	13887.927
3.06001	0.04458	7.05553	13899.819
3.06222	0.04475	7.05902	13912.67
3.06543	0.04477	7.06179	13923.301
3.07025	0.04499	7.06564	13935.675
3.07609	0.04507	7.07023	13949.97
3.08029	0.04519	7.07242	13959.261
3.08279	0.04524	7.07292	13964.103
3.0849	0.04531	7.07399	13968.067
3.0864	0.0454	7.07551	13971.598
3.08748	0.04545	7.077	13975.118
3.08828	0.04556	7.0782	13978.89
3.08888	0.04559	7.07897	13982.653
3.0894	0.04569	7.07973	13986.381
3.08987	0.04575	7.08068	13990.119
3.09033	0.04582	7.08172	13993.873
3.09077	0.04588	7.08275	13997.615
3.0912	0.04592	7.08378	14001.322
3.09163	0.04599	7.08482	14005.057
3.09203	0.046	7.08578	14008.519
3.09237	0.04606	7.08662	14011.511
3.09268	0.04613	7.08749	14014.165
3.09298	0.04625	7.08833	14016.519

11:18:34.944	-13	0.00028	0.00008	0.00067	2.002	0.000194	41.4
11:18:35.944	-13	0.00026	0.00004	0.00052	1.693	0.000164	41.5
11:18:36.944	-13	0.00023	0.00004	0.00092	1.493	0.000144	41.7
11:18:37.944	-13	0.00021	0.00001	0.00088	1.363	0.000132	41.7
11:18:38.944	-13	0.00021	0.00004	0.00084	1.212	0.000117	41.7
11:18:39.944	-13	0.00022	0.00001	0.00093	1.077	0.000104	41.5
11:18:40.944	-13	0.00023	0.00003	0.00116	1.059	0.000103	41.2
11:18:41.944	-13	0.00026	0.00003	0.00202	1.745	0.000169	40.9
11:18:42.944	-13	0.00027	0.00004	0.0028	2.705	0.000262	40.5
11:18:43.944	-13	0.00028	0.00005	0.00219	3.453	0.000334	40.4
11:18:44.944	-13	0.00028	0	0.00137	3.313	0.00032	40.2
11:18:45.944	-13	0.00029	0.00002	0.00102	2.937	0.000284	39.8
11:18:46.944	-13	0.00026	0	0.0008	2.212	0.000214	39.4
11:18:47.944	-13	0.0002	0.00001	0.00061	1.631	0.000158	38.9
11:18:48.944	-13	0.00031	0	0.00092	2.184	0.000211	38.2
11:18:49.944	-13	0.00032	0.00002	0.00055	1.704	0.000165	37.3
11:18:50.944	-13	0.00042	0.00003	0.00088	1.665	0.000161	36.2
11:18:51.944	-13	0.00055	0	0.00257	2.926	0.000283	35.8
11:18:52.944	-13	0.00063	0.00008	0.00444	5.794	0.00056	35.3
11:18:53.944	-13	0.00073	0	0.00342	6.971	0.000673	35.7
11:18:54.944	-13	0.00093	0	0.00172	5.883	0.000568	36.2
11:18:55.944	-13	0.00085	0	0.00091	4.114	0.000397	36.6
11:18:56.944	-13	0.00054	0	0.00056	2.378	0.00023	37.1
11:18:57.944	-13	0.00038	0	0.0004	1.672	0.000162	36.9
11:18:58.944	-13	0.00034	0	0.00029	1.475	0.000142	36.7
11:18:59.944	-13	0.00028	0.00002	0.00026	1.159	0.000112	34
11:19:00.944	-13	0.00024	0	0.00011	0.853	0.000082	30.7
11:19:01.944	-13	0.00056	0.00005	0.0004	1.7	0.000165	26.8
11:19:02.944	-13	0.00064	0.00003	0.0018	1.756	0.00017	22.1
11:19:03.944	-13	0.00113	0.0001	0.00746	5.588	0.000542	21.9
11:19:04.944	-13	0.00296	0.00016	0.01749	19.468	0.001881	21.7
11:19:05.944	-13	0.01501	0	0.01078	24.49	0.002363	24.3
11:19:06.944	-13	0.01964	0.00003	0.0025	13.957	0.001347	27.5
11:19:07.944	-13	0.01357	0	0.00154	6.574	0.000635	31.2
11:19:08.944	-13	0.00807	0.00001	0.00171	4.132	0.000399	35.8
11:19:09.944	-13	0.00378	0	0.00135	2.567	0.000248	36.7
11:19:10.944	-13	0.0015	0.00001	0.0008	1.598	0.000154	37.7
11:19:11.944	-13	0.0009	0.00001	0.0006	1.361	0.000132	36.4
11:19:12.944	-13	0.00065	0	0.0006	1.305	0.000126	34.9
11:19:13.944	-13	0.00075	0.00004	0.00058	1.628	0.000157	28.9
11:19:14.944	-13	0.00065	0	0.00037	1.145	0.000111	21.6
11:19:15.944	-13	0.00056	0.00003	0.00045	0.729	0.000071	14.6
11:19:16.944	-13	0.00046	0	0.00072	0.679	0.000066	6.1
11:19:17.944	-13	0.00039	0.00002	0.0007	0.765	0.000074	3.4
11:19:18.944	-13	0.00032	0	0.00094	0.925	0.00009	0
11:19:19.944	-13	0.00028	0	0.00099	1.069	0.000104	0
11:19:20.944	-13	0.00026	0.00001	0.00085	1.148	0.000111	0

9.20E+00	8.800	2.700	7.011	2.163	8.200	194	19.72	1307	40.37	32.5	319.109924	321.922948
8.60E+00	8.100	2.600	6.544	2.099	4.700	194	19.39152	1308	40.37	23	315.165314	312.455972
8.00E+00	7.400	2.500	5.988	2.028	4.500	194	18.22563	1308	40.37	17	309.909091	301.6854
7.60E+00	6.900	2.400	5.642	1.955	1.300	194	17.79572	1302	39.74	17.8	305.21268	291.332536
7.30E+00	6.600	2.400	5.368	1.966	4.600	194	18.14432	1292	39.74	18.7	300.596545	282.582282
6.90E+00	6.000	2.400	4.962	1.981	1.100	194	19.48321	1284	39.74	49.6	297.622885	280.122178
6.50E+00	5.600	2.300	4.605	1.906	2.900	193.7	22.68728	1275	39.12	64	299.648848	286.46973
6.20E+00	5.300	2.200	4.348	1.827	2.500	193.3	27.46518	1265	39.12	69.2	304.278927	296.493706
6.00E+00	5.200	2.200	4.191	1.773	2.700	192.9	29.88652	1258	38.5	68.1	310.648466	307.530943
6.00E+00	5.300	2.300	4.206	1.825	3.300	192.6	29.44166	1247	38.5	64.8	316.291747	316.176739
6.90E+00	6.400	2.400	5.047	1.891	-0.500	192.2	25.9484	1239	38.028	62.8	319.2	320.60666
8.00E+00	7.700	2.400	6.090	1.891	2.300	192.2	23.334	1222	37.427	53.5	319.773214	320.276804
9.10E+00	9.100	2.400	7.156	1.897	0.000	192.2	16.81697	1207	37.26	18.5	319.2	312.397645
9.50E+00	9.600	2.400	7.588	1.902	1.800	192.2	10.73423	1173	36.02	3.5	317.106224	300.585961
9.80E+00	9.800	2.400	7.865	1.917	0.300	192.2	21.91015	1145	35.321	24.3	315.067636	289.977394
1.00E+01	9.900	2.400	8.021	1.945	2.500	192.2	19.56785	1123	34.724	50.4	312.6	285.659725
1.00E+01	9.800	2.400	8.008	1.971	2.200	192.2	28.85798	1269	34.16	83.3	312.306286	292.113776
9.00E+00	8.700	2.300	7.100	1.897	0.100	192.2	44.18666	1355	34.197	88.6	316.960706	312.230827
8.40E+00	8.300	2.300	6.566	1.819	3.600	192.2	49.12659	1377	34.78	78	323.490437	336.323077
9.60E+00	10.000	2.300	7.771	1.795	0.000	192.2	45.53883	1399	35.4	75.1	329.29125	353.807511
1.43E+01	15.900	2.400	12.426	1.874	0.000		38.1108	1410	36.02	75.5	333.490795	354.871429
1.76E+01	19.900	2.500	15.655	1.942	-3.700		30.7551	1418	36.02	69.8	333.227347	358.595858
1.91E+01	21.800	2.500	17.109	1.965	-2.300		12.33808	1400	35.433	28	331.142	348.141803
1.94E+01	22.200	2.600	17.386	2.039	-0.500		12.20596	1348	34.146	0	328.263395	331.254902
1.95E+01	22.200	2.700	17.433	2.101	-2.000		11.19667	1205	30.491	0	325.413223	317.022767
1.82E+01	20.300	2.700	16.092	2.142	3.600	193.8	9.62588	1012	25.644	3.9	322.827469	304.165834
1.63E+01	17.500	2.700	14.115	2.175	0.300	193.4	9.33403	1030	21.25	11.1	321.128099	293.673913
1.38E+01	14.100	2.700	11.584	2.213	3.800	193	19.6359	1040	19.87	30.8	314.200748	286.882253
1.17E+01	11.400	2.700	9.464	2.233	1.700	192.7	38.73699	1181	20.681	83	312.520632	298.0965
1.01E+01	9.800	2.600	7.964	2.114	3.000	192.3	58.5565	1409	22.551	99.6	326.5	338.589703
1.38E+01	15.100	2.600	11.759	2.029	2.500	192.5	133.8255	2016	25.733	99.6	346.801031	398.311538
6.13E+01	73.500	5.800	56.814	4.479	-0.700	192.9	168.42722	2279	30.831	82.2	383.716627	461.102927
1.30E+02	153.400	13.100	119.578	10.180	0.700	193.4	103.45209	2414	34.214	71.3	356.577	460.995385
1.68E+02	194.300	18.400	153.090	14.491	-0.600	193.8	53.50463	2000	35.73	75	330.668041	437.621368
1.48E+02	167.600	19.600	132.785	15.506	0.900	194	35.04723	1731	36.506	62	337.0001	419.147681
1.12E+02	123.100	18.100	97.523	14.326	-0.400	194	24.54504	1444	36.199	33.4	332.7152	404.636592
7.24E+01	77.500	14.000	61.323	11.113	1.300	194	12.42591	1351	34.338	2.9	334.890083	383.681716
5.12E+01	54.000	10.800	42.701	8.543	1.800	194	10.61054	1128	28.8	6.2	332.527419	363.991185
3.70E+01	38.200	8.400	30.283	6.675	0.900	194	9.10406	1037	21.529	20.5	329.229332	349.516154
2.97E+01	30.100	7.000	24.106	5.599	4.900	194	17.2992	862	14.034	22.8	328.289589	336.009158
2.57E+01	25.400	6.100	20.761	4.985	0.500	194	16.96339	797	6.527	26.1	325.390341	324.421036
2.26E+01	22.000	5.200	18.244	4.324	3.600	194	16.57336	805	0.791	38.1	321.786444	318.267886
1.92E+01	18.500	4.600	15.323	3.842	0.000	194	16.60283	785	0.356	37.9	319.623864	314.153974
1.63E+01	15.400	4.400	12.722	3.600	2.200	194	15.40519	779	0	38.3	317.360283	310.880777
1.35E+01	12.700	3.700	10.454	3.049	0.600		15.32932	780	0	37.8	315.964875	307.985458
1.18E+01	11.100	3.400	9.032	2.779	-0.100		15.60325	777	0	37.6	314.405455	305.033045
1.09E+01	10.000	3.400	8.176	2.771	1.100		15.28904	777	0	38.3	312.660736	302.142268

3.09326	0.04633	7.089	14018.521
3.09352	0.04637	7.08952	14020.214
3.09375	0.04641	7.09044	14021.707
3.09396	0.04642	7.09132	14023.07
3.09417	0.04646	7.09216	14024.282
3.09439	0.04647	7.09309	14025.359
3.09462	0.0465	7.09425	14026.418
3.09488	0.04653	7.09627	14028.163
3.09515	0.04657	7.09907	14030.868
3.09543	0.04662	7.10126	14034.321
3.09571	0.04662	7.10263	14037.634
3.096	0.04664	7.10365	14040.571
3.09626	0.04664	7.10445	14042.783
3.09646	0.04665	7.10506	14044.414
3.09677	0.04665	7.10598	14046.598
3.09709	0.04667	7.10653	14048.302
3.09751	0.0467	7.10741	14049.967
3.09806	0.0467	7.10998	14052.893
3.09869	0.04678	7.11442	14058.687
3.09942	0.04678	7.11784	14065.658
3.10035	0.04678	7.11956	14071.541
3.1012	0.04678	7.12047	14075.655
3.10174	0.04678	7.12103	14078.033
3.10212	0.04678	7.12143	14079.705
3.10246	0.04678	7.12172	14081.18
3.10274	0.0468	7.12198	14082.339
3.10298	0.0468	7.12209	14083.192
3.10354	0.04685	7.12249	14084.892
3.10418	0.04688	7.12429	14086.648
3.10531	0.04698	7.13175	14092.236
3.10827	0.04714	7.14924	14111.704
3.12328	0.04714	7.16002	14136.194
3.14292	0.04717	7.16252	14150.151
3.15649	0.04717	7.16406	14156.725
3.16456	0.04718	7.16577	14160.857
3.16834	0.04718	7.16712	14163.424
3.16984	0.04719	7.16792	14165.022
3.17074	0.0472	7.16852	14166.383
3.17139	0.0472	7.16912	14167.688
3.17214	0.04724	7.1697	14169.316
3.17279	0.04724	7.17007	14170.461
3.17335	0.04727	7.17052	14171.19
3.17381	0.04727	7.17124	14171.869
3.1742	0.04729	7.17194	14172.634
3.17452	0.04729	7.17288	14173.559
3.1748	0.04729	7.17387	14174.628
3.17506	0.0473	7.17472	14175.776

11:19:21.944	-13	0.00025	0	0.0007	1.174	0.000114	0
11:19:22.944	-13	0.00025	0.00002	0.00073	1.168	0.000113	0
11:19:23.944	-13	0.00025	0	0.00084	1.167	0.000113	0
11:19:24.944	-13	0.00025	0.00002	0.00084	1.165	0.000113	0
11:19:25.944	-13	0.00025	0.00001	0.00084	1.17	0.000113	0
11:19:26.944	-13	0.00025	0	0.00077	1.176	0.000114	0
11:19:27.944	-13	0.00025	0.00002	0.00071	1.186	0.000115	0
11:19:28.944	-13	0.00025	0	0.0007	1.186	0.000115	0
11:19:29.944	-13	0.00025	0.00001	0.0007	1.177	0.000114	0
11:19:30.944	-13	0.00025	0	0.00069	1.16	0.000112	0
11:19:31.944	-13	0.00025	0.00001	0.00069	1.17	0.000113	0
11:19:32.944	-13	0.00026	0	0.0007	1.174	0.000114	0
11:19:33.944	-13	0.00027	0.00001	0.0007	1.18	0.000114	0
11:19:34.944	-13	0.00027	0.00002	0.0007	1.176	0.000114	0
11:19:35.944	-13	0.00027	0	0.0007	1.178	0.000114	0
11:19:36.944	-13	0.00027	0.00002	0.0007	1.176	0.000114	0
11:19:37.944	-13	0.00028	0	0.0007	1.174	0.000114	0
11:19:38.944	-13	0.00028	0.00002	0.0007	1.175	0.000114	0
11:19:39.944	-13	0.00029	0.00001	0.0007	1.175	0.000114	0
11:19:40.944	-13	0.0003	0.00003	0.0007	1.18	0.000114	0
11:19:41.944	-13	0.0003	0.00003	0.0007	1.181	0.000114	0
11:19:42.944	-13	0.0003	0.00001	0.0007	1.177	0.000114	0
11:19:43.944	-13	0.0003	0	0.0007	1.182	0.000114	0
11:19:44.944	-13	0.0003	0	0.0007	1.178	0.000114	0
11:19:45.944	-13	0.00031	0	0.0007	1.179	0.000114	0
11:19:46.944	-13	0.00031	0	0.0007	1.179	0.000114	0
11:19:47.944	-13	0.00031	0.00001	0.00069	1.177	0.000114	0
11:19:48.944	-13	0.00031	0.00001	0.00069	1.176	0.000114	0
11:19:49.944	-13	0.00032	0	0.0007	1.179	0.000114	0
11:19:50.944	-13	0.00032	0	0.00069	1.177	0.000114	0
11:19:51.944	-13	0.00032	0	0.00069	1.175	0.000114	0
11:19:52.944	-13	0.00032	0.00002	0.00069	1.176	0.000114	0
11:19:53.944	-13	0.00032	0	0.0007	1.187	0.000115	0
11:19:54.944	-13	0.00032	0.00001	0.0007	1.188	0.000115	0
11:19:55.944	-13	0.00032	0	0.00069	1.182	0.000114	0
11:19:56.944	-13	0.00032	0	0.00069	1.179	0.000114	0
11:19:57.944	-13	0.00032	0	0.00069	1.173	0.000114	0
11:19:58.944	-13	0.00033	0	0.00069	1.173	0.000114	0
11:19:59.944	-13	0.00033	0	0.00069	1.165	0.000113	0
11:20:00.944	-13	0.00033	0	0.00081	1.173	0.000114	0
11:20:01.944	-13	0.00033	0	0.00074	1.166	0.000113	0
11:20:02.944	-13	0.00033	0	0.00068	1.152	0.000112	0
11:20:03.944	-13	0.00034	0	0.00069	1.169	0.000113	0
11:20:04.944	-13	0.00034	0.00001	0.00071	1.165	0.000113	0
11:20:05.944	-13	0.00034	0	0.00082	1.159	0.000112	0
11:20:06.944	-13	0.00034	0.00001	0.00083	1.158	0.000112	0
11:20:07.944	-13	0.00034	0	0.00083	1.158	0.000112	0

1.05E+01	9.600	3.300	7.836	2.709	0.600		15.50013	779	0	38.1	311.034191	299.215294
1.04E+01	9.500	3.300	7.753	2.686	2.400		15.19	776	0	39	309.116255	297.25604
1.04E+01	9.500	3.300	7.732	2.686	0.000	194	15.28356	781	0	38.9	310.557225	295.748847
1.03E+01	9.400	3.200	7.649	2.624	2.400	194	15.22	778	0	38.5	309.113341	293.383608
1.03E+01	9.400	3.200	7.648	2.603	0.900	194	15.23857	779	0	39.2	310.786885	291.592727
1.03E+01	9.500	3.100	7.708	2.543	0.600	194	15.21921	780	0	38.8	310.503793	289.457143
1.02E+01	9.500	3.100	7.727	2.522	2.400	194	15.47271	776	0	38.8	313.878814	287.685435
1.04E+01	9.700	3.100	7.869	2.521	0.600	194	15.52115	783	0	38.5	312.658564	286.282387
1.05E+01	9.800	3.100	7.971	2.521	1.600	194	15.26383	779	0	38.8	312.843468	284.902581
1.06E+01	9.900	3.100	8.031	2.521	0.000	194	15.11026	778	0	38.8	316.639231	283.239823
1.06E+01	10.000	3.100	8.112	2.521	1.900	194	15.1334	778	0	39.1	308.041579	281.544951
1.09E+01	10.300	3.100	8.356	2.521	0.000	194	15.17937	776	0	39.5	306.522708	280.06703
1.11E+01	10.600	3.100	8.601	2.521	1.200	194	15.27188	781	0	39.1	306.297921	278.767347
1.12E+01	10.800	3.000	8.763	2.461	2.500	194	15.28192	781	0	39.1	303.75051	277.38806
1.14E+01	11.000	3.000	8.924	2.440	-0.600	194	15.15865	781	0	39.5	300.862109	276.10992
1.15E+01	11.200	3.000	9.088	2.440	2.700	194	15.31556	779	0	39.3	300.245929	275.224189
1.16E+01	11.300	3.000	9.169	2.440	0.000	194	15.1576	775	0	40.1	301.16996	273.84585
1.18E+01	11.500	3.000	9.332	2.440	2.200	194	15.28004	782	0	39.6	300.533264	272.616541
1.22E+01	12.000	3.000	9.779	2.440	0.900	194	15.26936	778	0	38.9	296.977577	271.578333
1.24E+01	12.300	3.000	9.983	2.440	4.500	194	15.28093	776	0	39.2	303.084014	270.394457
1.26E+01	12.500	3.000	10.145	2.440	3.900		15.19094	778	0	39.5	308.934549	269.707051
1.27E+01	12.600	3.000	10.226	2.440	1.200		15.18698	776	0	38.9	307.273055	268.497532
1.27E+01	12.600	3.000	10.246	2.440	0.300		15.2925	783	0	39.2	305.719643	267.54476
1.27E+01	12.700	3.000	10.307	2.440	-4.400		15.30133	779	0	38.8	306.190526	266.897706
1.28E+01	12.800	3.000	10.388	2.439	0.500		15.26859	779	0	38.9	306.334074	265.763014
1.28E+01	12.800	3.000	10.408	2.439	-0.400	194	15.20506	779	0	39.2	305.385227	264.845686
1.30E+01	13.000	3.000	10.550	2.439	1.100	194	15.02384	777	0	39.3	303.589227	264.225656
1.32E+01	13.300	3.000	10.775	2.439	1.500	194	15.3167	783	0	39.8	307.024151	263.079185
1.33E+01	13.400	3.000	10.895	2.439	-0.100	194	15.11204	779	0	38.8	307.113035	262.6
1.33E+01	13.400	3.000	10.897	2.440	0.400	194	15.15378	777	0	38.9	306.30104	261.640691
1.33E+01	13.400	3.000	10.897	2.440	0.000	193.9	15.08021	779	0	39.6	303.967714	260.739726
1.34E+01	13.500	3.000	10.975	2.439	2.400	193.6	15.10173	777	0	39.3	303.347308	260.053045
1.35E+01	13.600	3.000	11.035	2.439	0.100	193.2	15.27712	785	0	39.9	305.839419	259.313846
1.36E+01	13.700	3.000	11.117	2.439	1.300	192.8	15.1869	778	0	38.8	308.812295	258.657508
1.36E+01	13.700	3.000	11.137	2.439	0.600	192.4	15.26337	777	0	38.8	312.446667	257.935288
1.37E+01	13.800	3.000	11.218	2.439	-1.500	192.2	15.26972	780	0	39	313.732653	257.166997
1.37E+01	13.900	3.000	11.279	2.439	-0.600	192.2	15.042	777	0	39.7	299.281102	256.428322
1.38E+01	14.000	3.000	11.382	2.439	-1.100	192.2	15.17656	782	0	39.5	297.042315	255.638347
1.39E+01	14.100	3.000	11.465	2.439	0.600	192.2	15.05175	778	0	39.2	287.76785	254.765385
1.40E+01	14.200	3.000	11.526	2.440	-1.500	192.2	15.26202	782	0	38.8	292.140884	254.004594
1.40E+01	14.200	3.000	11.547	2.440	0.600	192.2	14.99627	779	0	38.1	291.061812	253.308571
1.42E+01	14.500	3.000	11.770	2.440	-0.400	192.2	15.14047	775	0	38.2	299.533397	252.216975
1.44E+01	14.700	3.000	11.953	2.439	0.400	192.2	15.04518	780	0	38.9	305.6245	251.6
1.44E+01	14.700	3.000	11.956	2.440	1.100	192.2	15.15623	778	0	37.8	311.012019	251.140217
1.45E+01	14.800	3.000	12.038	2.440	-1.600	192.2	15.04143	777	0	37.9	310.345673	249.912957
1.45E+01	14.800	3.000	12.039	2.440	0.800	192.2	15.22469	779	0	37.7	308.482609	249.6
1.45E+01	14.800	3.000	12.040	2.440	-0.800	192.2	15.1506	777	0	38.3	308.283173	249.148805

3.17531	0.0473	7.17542	14176.95
3.17556	0.04732	7.17615	14178.118
3.17581	0.04732	7.17699	14179.285
3.17606	0.04734	7.17783	14180.45
3.17631	0.04735	7.17867	14181.62
3.17656	0.04735	7.17944	14182.796
3.17681	0.04737	7.18015	14183.982
3.17706	0.04737	7.18085	14185.168
3.17731	0.04738	7.18155	14186.345
3.17756	0.04738	7.18224	14187.505
3.17781	0.04739	7.18293	14188.675
3.17807	0.04739	7.18363	14189.849
3.17834	0.0474	7.18433	14191.029
3.17861	0.04742	7.18503	14192.205
3.17888	0.04742	7.18573	14193.383
3.17915	0.04744	7.18643	14194.559
3.17943	0.04744	7.18713	14195.733
3.17971	0.04746	7.18783	14196.908
3.18	0.04747	7.18853	14198.083
3.1803	0.0475	7.18923	14199.263
3.1806	0.04753	7.18993	14200.444
3.1809	0.04754	7.19063	14201.621
3.1812	0.04754	7.19133	14202.803
3.1815	0.04754	7.19203	14203.981
3.18181	0.04754	7.19273	14205.16
3.18212	0.04754	7.19343	14206.339
3.18243	0.04755	7.19412	14207.516
3.18274	0.04756	7.19481	14208.692
3.18306	0.04756	7.19551	14209.871
3.18338	0.04756	7.1962	14211.048
3.1837	0.04756	7.19689	14212.223
3.18402	0.04758	7.19758	14213.399
3.18434	0.04758	7.19828	14214.586
3.18466	0.04759	7.19898	14215.774
3.18498	0.04759	7.19967	14216.956
3.1853	0.04759	7.20036	14218.135
3.18562	0.04759	7.20105	14219.308
3.18595	0.04759	7.20174	14220.481
3.18628	0.04759	7.20243	14221.646
3.18661	0.04759	7.20324	14222.819
3.18694	0.04759	7.20398	14223.985
3.18727	0.04759	7.20466	14225.137
3.18761	0.04759	7.20535	14226.306
3.18795	0.0476	7.20606	14227.471
3.18829	0.0476	7.20688	14228.63
3.18863	0.04761	7.20771	14229.788
3.18897	0.04761	7.20854	14230.946

11:20:08.944	-13	0.00034	0.00001	0.00083	1.159	0.000112	0
11:20:09.944	-13	0.00034	0	0.00083	1.148	0.000111	0
11:20:10.944	-13	0.00034	0	0.00083	1.145	0.000111	0
11:20:11.944	-13	0.00034	0.00001	0.00083	1.144	0.000111	0
11:20:12.944	-13	0.00034	0.00001	0.00083	1.144	0.000111	0
11:20:13.944	-13	0.00034	0.00004	0.00082	1.141	0.00011	0
11:20:14.944	-13	0.00034	0.00001	0.00089	1.145	0.000111	0
11:20:15.944	-13	0.00034	0.00004	0.00092	1.146	0.000111	0
11:20:16.944	-13	0.00034	0.00002	0.00082	1.143	0.000111	0
11:20:17.944	-13	0.00035	0.00002	0.00082	1.142	0.000111	0
11:20:18.944	-13	0.00035	0.00003	0.00082	1.139	0.00011	0
11:20:19.944	-13	0.00035	0	0.00082	1.138	0.00011	0
11:20:20.944	-13	0.00035	0.00004	0.00083	1.146	0.000111	0
11:20:21.944	-13	0.00035	0	0.00083	1.143	0.000111	0
11:20:22.944	-13	0.00035	0.00004	0.00083	1.146	0.000111	0
11:20:23.944	-13	0.00035	0.00002	0.00083	1.146	0.000111	0
11:20:24.944	-13	0.00035	0.00002	0.00082	1.145	0.000111	0
11:20:25.944	-13	0.00035	0.00003	0.00082	1.135	0.00011	0
11:20:26.944	-13	0.00036	0	0.00082	1.132	0.00011	0
11:20:27.944	-13	0.00036	0.00005	0.00082	1.141	0.00011	0
11:20:28.944	-13	0.00036	0.00001	0.00082	1.145	0.000111	0
11:20:29.944	-13	0.00036	0.00004	0.00082	1.141	0.00011	0
11:20:30.944	-13	0.00036	0.00001	0.00082	1.136	0.00011	0
11:20:31.944	-13	0.00038	0.00003	0.00086	1.197	0.000116	0
11:20:32.944	-13	0.00051	0.00003	0.00117	1.662	0.000161	0
11:20:33.944	-13	0.00161	0.00005	0.00451	5.843	0.000566	0.4
11:20:34.944	-13	0.00269	0.00023	0.00759	10.985	0.001062	0.8
11:20:35.944	-13	0.00522	0.00002	0.00498	14.077	0.00136	5.4
11:20:36.944	-13	0.00793	0.00018	0.00398	14.127	0.001365	11.2
11:20:37.944	-13	0.00987	0	0.00449	14.595	0.00141	14.8
11:20:38.944	-13	0.00952	0.00015	0.00382	13.376	0.001292	19.3
11:20:39.944	-13	0.00759	0.00021	0.00242	10.628	0.001026	22.7
11:20:40.944	-13	0.00446	0.00011	0.00124	6.306	0.000609	26.8
11:20:41.944	-13	0.00327	0.00008	0.00126	4.89	0.000472	28.6
11:20:42.944	-13	0.00259	0.00005	0.00122	4.582	0.000442	30.8
11:20:43.944	-13	0.00208	0.0001	0.00127	4.879	0.000471	31.3
11:20:44.944	-13	0.00166	0.00003	0.00147	5.337	0.000515	32
11:20:45.944	-13	0.00133	0.00006	0.0015	5.416	0.000523	32.5
11:20:46.944	-13	0.00111	0.00003	0.0012	5.084	0.000491	33.1
11:20:47.944	-13	0.00095	0.00004	0.00112	4.655	0.000449	33.4
11:20:48.944	-13	0.00067	0.00006	0.00102	3.528	0.000341	33.8
11:20:49.944	-13	0.00043	0.00003	0.00063	2.378	0.00023	34.2
11:20:50.944	-13	0.00032	0.00005	0.00034	1.796	0.000173	34.6
11:20:51.944	-13	0.00028	0.00002	0.00025	1.507	0.000146	34.2
11:20:52.944	-13	0.00025	0.00005	0.0003	1.104	0.000107	33.7
11:20:53.944	-13	0.00022	0.00003	0.00029	0.758	0.000073	32.9
11:20:54.944	-13	0.00019	0.00001	0.00034	0.488	0.000047	31.9

1.45E+01	14.800	3.000	12.041	2.441	1.200	192.2	15.17194	780	0	38.8	309.050203	247.923849
1.45E+01	14.800	3.000	12.044	2.441	-0.500	192.2	15.13185	779	0	37.9	309.363942	247.6
1.45E+01	14.800	3.000	12.044	2.441	-0.200	192.2	15.10175	780	0	38.4	310.002404	247.135135
1.45E+01	14.800	3.000	12.045	2.442	0.800	192.2	14.9047	776	0	38.3	309.303365	246.535
1.45E+01	14.800	3.000	12.045	2.442	1.900	192.2	14.91267	777	0	38.3	308.169043	245.944564
1.45E+01	14.800	3.000	12.045	2.442	5.600	192.2	14.97729	779	0	39	310.057813	245.8
1.45E+01	14.800	3.100	12.044	2.501	1.800	192.2	15.13	779	0	38.3	315.927944	244.664286
1.46E+01	14.800	3.100	12.044	2.523	5.200	192.2	15.08253	778	0	38	316.023314	243.974257
1.46E+01	14.900	3.100	12.126	2.523	2.400	192.2	14.96019	777	0	38.2	316.021002	243.9
1.47E+01	15.000	3.100	12.185	2.523	2.800	192.2	14.94232	775	0	38.9	310.759184	243.9
1.48E+01	15.000	3.200	12.207	2.584	4.300	192.2	14.94967	781	0	39.2	308.29501	243.315353
1.49E+01	15.100	3.200	12.289	2.604	0.700	192.2	14.90639	781	0	38.6	308.28	242.519219
1.49E+01	15.100	3.200	12.288	2.604	5.300	192.2	15.02357	780	0	38.4	308.26096	242.5
1.50E+01	15.100	3.300	12.289	2.665	0.700	192.2	14.94	779	0	38.3	308.147396	241.915
1.50E+01	15.100	3.300	12.288	2.685	5.200	192.2	14.91	776	0	38.6	309.051125	241.320218
1.50E+01	15.000	3.400	12.228	2.767	3.100	192.2	14.92833	779	0	39	304.538	240.610703
1.51E+01	15.000	3.500	12.206	2.848	3.400	192.2	15.03471	779	0	38.6	299.728125	240.556156
1.51E+01	15.000	3.600	12.206	2.929	3.700	192.2	14.89921	778	0	38.4	299.623188	239.955511
1.53E+01	15.000	3.800	12.206	3.092	0.600	192.2	14.93465	778	0	38.4	299.452401	239.4
1.52E+01	14.900	3.800	12.125	3.092	6.400	192.2	14.92975	780	0	38.7	298.863075	239.35245
1.53E+01	14.900	3.900	12.125	3.174	1.500	192.2	14.98045	777	0	38.8	291.021039	238.8
1.53E+01	14.900	3.900	12.125	3.174	5.000	192.2	14.91635	779	0	38.5	282.628462	238.643261
1.54E+01	14.900	4.000	12.124	3.236	1.600	192.2	15.1179	779	0	38.1	276.835385	238.1
1.54E+01	14.900	4.100	12.124	3.315	3.700	192.2	14.96468	779	0	38.4	276.540326	238.1
1.54E+01	14.800	4.100	12.053	3.333	3.200	192.2	17.62773	1003	0.772	59.5	276.207362	239.802786
1.52E+01	14.700	4.100	11.908	3.315	1.500	192.2	65.82107	1766	4.742	81.1	278.833585	265.243883
1.85E+01	18.500	4.900	14.645	3.874	5.300	192.2	89.60854	2272	9.74	75.6	305.036433	310.932356
3.04E+01	29.900	8.800	23.532	6.886	0.300	191.9	110.9837	2229	14.019	74.1	317.670911	340.010806
4.69E+01	44.500	15.200	34.936	11.925	3.600	191.5	105.20633	2266	17.677	77.9	329.460581	366.877701
5.78E+01	54.000	19.700	42.343	15.467	-0.300	191.1	105.83137	2315	21.855	79.2	334.289709	387.121125
6.32E+01	59.500	21.400	46.536	16.700	3.300	190.7	99.54557	2235	25.505	82.7	320.786178	405.244734
6.48E+01	61.300	21.800	47.834	17.004	5.900	190.4	73.74832	2065	27.897	81.9	325.76862	412.584314
6.37E+01	60.200	21.400	46.964	16.721	5.100	190.8	44.70686	1684	29.784	74.5	325.392857	406.7216
5.79E+01	54.200	19.700	42.438	15.466	4.500	191.2	35.7612	1516	30.403	75.1	321.165029	394.892793
4.81E+01	44.500	16.800	34.919	13.144	3.200	191.5	33.25412	1474	31.05	78.6	315.771894	386.365036
3.69E+01	33.300	13.900	26.057	10.866	5.700	191.9	36.15946	1501	31.149	83.2	305.181958	383.128261
2.84E+01	25.300	11.100	19.732	8.669	1.500		37.4254	1526	31.772	81.1	304.423077	382.05974
2.32E+01	20.400	9.500	15.888	7.362	3.700		35.43926	1542	32.29	78.4	304.284906	380.728571
2.05E+01	18.000	8.400	14.025	6.508	1.700		33.66194	1555	32.371	78.3	303.279463	378.134366
1.90E+01	16.600	7.800	12.944	6.033	2.400		29.58585	1578	32.91	73.7	300.772764	375.538532
1.77E+01	15.400	7.300	11.953	5.703	5.400		24.86055	1526	33.431	49	300.209735	367.936542
1.67E+01	14.500	6.900	11.299	5.395	3.600	194	13.68938	1310	32.91	5.6	299.218491	350.04847
1.58E+01	13.600	6.600	10.654	5.178	7.600	194	11.59304	1284	32.29	1	294.868762	332.670727
1.49E+01	12.500	6.400	9.861	5.066	4.200	194	11.36437	1267	32.225	0	288.588	317.388235
1.41E+01	11.600	6.000	9.288	4.797	9.200	194	10.94988	1217	30.855	0	284.669745	303.652204
1.35E+01	11.000	5.600	8.952	4.528	5.100	194	10.44206	1171	29.605	0	281.167614	292.509565
1.27E+01	10.200	5.200	8.397	4.259	2.900	194	9.83057	1089	27.52	2.2	280.173374	282.946797

3.18931	0.04762	7.20937	14232.105
3.18965	0.04762	7.2102	14233.253
3.18999	0.04762	7.21103	14234.398
3.19033	0.04763	7.21186	14235.542
3.19067	0.04764	7.21269	14236.686
3.19101	0.04768	7.21351	14237.827
3.19135	0.04769	7.2144	14238.972
3.19169	0.04773	7.21532	14240.118
3.19203	0.04775	7.21614	14241.261
3.19238	0.04777	7.21696	14242.403
3.19273	0.0478	7.21778	14243.542
3.19308	0.0478	7.2186	14244.68
3.19343	0.04784	7.21943	14245.826
3.19378	0.04784	7.22026	14246.969
3.19413	0.04788	7.22109	14248.115
3.19448	0.0479	7.22192	14249.261
3.19483	0.04792	7.22274	14250.406
3.19518	0.04795	7.22356	14251.541
3.19554	0.04795	7.22438	14252.673
3.1959	0.048	7.2252	14253.814
3.19626	0.04801	7.22602	14254.959
3.19662	0.04805	7.22684	14256.1
3.19698	0.04806	7.22766	14257.236
3.19736	0.04809	7.22852	14258.433
3.19787	0.04812	7.22969	14260.095
3.19948	0.04817	7.2342	14265.938
3.20217	0.0484	7.24179	14276.923
3.20739	0.04842	7.24677	14291
3.21532	0.0486	7.25075	14305.127
3.22519	0.0486	7.25524	14319.722
3.23471	0.04875	7.25906	14333.098
3.2423	0.04896	7.26148	14343.726
3.24676	0.04907	7.26272	14350.032
3.25003	0.04915	7.26398	14354.922
3.25262	0.0492	7.2652	14359.504
3.2547	0.0493	7.26647	14364.383
3.25636	0.04933	7.26794	14369.72
3.25769	0.04939	7.26944	14375.136
3.2588	0.04942	7.27064	14380.22
3.25975	0.04946	7.27176	14384.875
3.26042	0.04952	7.27278	14388.403
3.26085	0.04955	7.27341	14390.781
3.26117	0.0496	7.27375	14392.577
3.26145	0.04962	7.274	14394.084
3.2617	0.04967	7.2743	14395.188
3.26192	0.0497	7.27459	14395.946
3.26211	0.04971	7.27493	14396.434

11:20:55.944	-13	0.00017	0.00001	0.00036	0.343	0.000033	30.3
11:20:56.944	-13	0.00016	0	0.0004	0.261	0.000025	28.3
11:20:57.944	-13	0.00014	0.00001	0.00043	0.202	0.00002	25.5
11:20:58.944	-13	0.00021	0	0.00068	0.269	0.000026	22
11:20:59.944	-13	0.00021	0	0.00087	0.269	0.000026	17.6
11:21:00.944	-13	0.00019	0	0.00083	0.255	0.000025	12.2
11:21:01.944	-13	0.00018	0	0.00084	0.299	0.000029	10.2
11:21:02.944	-13	0.00017	0	0.00071	0.395	0.000038	7.7
11:21:03.944	-13	0.00017	0	0.00081	0.486	0.000047	7.2
11:21:04.944	-13	0.00018	0	0.00136	0.689	0.000067	6.6
11:21:05.944	-13	0.0002	0	0.00108	0.918	0.000089	6.9
11:21:06.944	-13	0.0002	0	0.00092	1.045	0.000101	7.2
11:21:07.944	-13	0.00019	0	0.00119	1.176	0.000114	8.1
11:21:08.944	-13	0.00016	0	0.00102	1.21	0.000117	9.2
11:21:09.944	-13	0.00018	0.00001	0.0008	1.476	0.000143	9.6
11:21:10.944	-13	0.00019	0	0.00056	1.436	0.000139	10
11:21:11.944	-13	0.00021	0.00002	0.00056	1.212	0.000117	7.5
11:21:12.944	-13	0.00021	0	0.00055	0.955	0.000092	4.4
11:21:13.944	-13	0.00022	0.00001	0.00075	0.883	0.000086	2.4
11:21:14.944	-13	0.00022	0	0.0009	0.94	0.000091	0
11:21:15.944	-13	0.00022	0	0.00088	1.06	0.000103	0
11:21:16.944	-13	0.00023	0	0.00069	1.162	0.000113	0
11:21:17.944	-13	0.00026	0	0.00063	1.314	0.000127	0
11:21:18.944	-13	0.00026	0.00001	0.0006	1.29	0.000125	0
11:21:19.944	-13	0.00027	0	0.00091	1.392	0.000135	0
11:21:20.944	-13	0.00025	0.00001	0.00094	1.383	0.000134	0
11:21:21.944	-13	0.00026	0	0.00081	1.42	0.000137	0.5
11:21:22.944	-13	0.00029	0	0.00076	1.522	0.000147	1.2
11:21:23.944	-13	0.0003	0	0.00074	1.468	0.000142	1.1
11:21:24.944	-13	0.0003	0	0.00099	1.468	0.000142	0.9
11:21:25.944	-13	0.00029	0.00001	0.00098	1.376	0.000133	1.2
11:21:26.944	-13	0.00031	0	0.00104	1.484	0.000144	1.6
11:21:27.944	-13	0.00033	0.00001	0.00107	1.63	0.000158	1.2
11:21:28.944	-13	0.00034	0	0.00098	1.648	0.000159	0.7
11:21:29.944	-13	0.00033	0.00002	0.00093	1.569	0.000152	1.6
11:21:30.944	-13	0.00037	0	0.00104	1.738	0.000168	2.8
11:21:31.944	-13	0.00036	0	0.00113	1.663	0.000161	3.3
11:21:32.944	-13	0.0004	0.00001	0.00131	1.764	0.000171	3.9
11:21:33.944	-13	0.00059	0	0.00201	2.618	0.000253	4.6
11:21:34.944	-13	0.00074	0.00002	0.00264	3.846	0.000372	5.4
11:21:35.944	-13	0.00073	0	0.00226	4.245	0.00041	6.9
11:21:36.944	-13	0.00069	0.00003	0.00133	4.018	0.000388	8.7
11:21:37.944	-13	0.00055	0	0.00101	2.98	0.000288	10
11:21:38.944	-13	0.00051	0.00001	0.00099	2.675	0.000258	11.6
11:21:39.944	-13	0.0005	0.00003	0.0009	2.397	0.000232	11.6
11:21:40.944	-13	0.00051	0	0.00079	2.111	0.000204	11.6
11:21:41.944	-13	0.0005	0.00003	0.0008	2.015	0.000195	11.5

1.16E+01	9.200	4.700	7.708	3.884	1.500	194	9.88419	1183	24.19	5.1	278.108421	274.07386
1.05E+01	8.200	4.400	6.884	3.652	-1.600	194	9.75493	1129	21.342	1.1	274.423885	266.791136
9.90E+00	7.600	4.100	6.398	3.471	1.700	194	9.05	1024	17.015	9.9	271.007486	260.500434
9.60E+00	7.300	4.100	6.114	3.454	-0.900	194	15.4116	882	12.307	30.5	269.679769	255.011278
8.90E+00	6.500	4.000	5.488	3.374	-0.200	193.6	16.05077	861	9.64	12.5	268.211395	249.930693
8.20E+00	5.900	3.900	4.937	3.312	-3.500	193.3	14.35977	784	8.119	24.2	268.085221	245.2764
7.90E+00	5.600	3.800	4.677	3.200	0.500	192.9	15.25635	803	6.223	31.4	267.103776	243.9
7.40E+00	5.200	3.700	4.325	3.066	0.100	192.5	15.2854	831	6.804	31.8	267.356442	243.9
7.00E+00	4.800	3.500	4.036	2.927	-2.300		15.65524	829	6.83	31.7	267.300484	243.554054
6.80E+00	4.700	3.500	3.909	2.911	-0.600		16.71667	861	7.45	31.6	266.639907	242.847451
6.70E+00	4.600	3.500	3.808	2.898	-3.000		20.65612	1146	7.45	42.4	265.537308	245.009009
6.70E+00	4.600	3.500	3.793	2.886	0.000		19.08868	1151	8.689	52.7	267.749184	250.416327
6.60E+00	4.600	3.500	3.773	2.871	-2.800		21.4891	1220	9.264	47.8	269.34026	255.72
6.60E+00	4.600	3.500	3.742	2.847	-0.400	192.2	16.75154	956	9.31	7.1	270.336923	254.374653
7.10E+00	5.100	3.700	4.107	3.021	0.800	192.2	15.36824	843	7.661	18.1	268.974232	247.329089
7.90E+00	5.800	4.000	4.689	3.260	-0.500	192.2	15.08359	824	4.249	39.8	268.345455	244.125661
8.60E+00	6.300	4.300	5.154	3.470	3.100	192.2	14.9293	792	1.81	40.4	267.6116	244.270341
9.00E+00	6.600	4.400	5.410	3.607	0.000	192.2	14.73	777	0.62	37.7	269.94	245.372313
9.10E+00	6.700	4.400	5.515	3.622	1.300	192.2	15.73574	800	0	37.8	273.83526	246.249194
9.20E+00	6.800	4.400	5.558	3.610	-1.200	192.2	15.08538	781	0	37.7	272.097121	246.8555
9.30E+00	7.100	4.300	5.832	3.510	0.400	192.2	14.78392	779	0	40	274.093103	247.483191
9.70E+00	7.500	4.400	6.084	3.582	0.300	192.2	14.82089	780	0	46.6	274.292885	248.166238
9.80E+00	7.700	4.400	6.241	3.579	-1.600	192.2	18.705	930	0.388	48.4	275.670942	250.075578
9.90E+00	7.800	4.400	6.317	3.576	1.500	192.2	16.53525	864	0.103	40.6	272.465	251.595671
1.00E+01	7.900	4.500	6.384	3.627	-1.300	192.2	16.78413	900	0.621	43.7	271.206122	252.355446
1.01E+01	8.000	4.500	6.461	3.635	1.700	192.2	15.94769	853	1.24	43	272.233533	252.943807
1.05E+01	8.400	4.600	6.788	3.687	-1.400	192.2	14.51208	788	0.443	39.6	266.637731	252.3
1.11E+01	9.000	4.800	7.254	3.849	0.400	192.2	17.76608	926	0.62	42.6	265.305952	252.3
1.16E+01	9.500	4.900	7.644	3.933	-0.400		15.16596	886	0.955	43.5	264.974897	252.551639
1.17E+01	9.600	4.900	7.727	3.954	-0.600		16.00457	902	1.24	44.2	265.325678	253
1.19E+01	9.800	5.000	7.887	4.034	1.400		14.80643	807	0.62	41.3	265.932716	252.518173
1.21E+01	10.000	5.000	8.064	4.032	-0.400		15.55204	831	0	42.8	264.627027	251.848795
1.21E+01	10.000	5.000	8.052	4.026	1.000		18.18002	920	1.289	41.8	265.327083	252.3
1.22E+01	10.100	5.100	8.138	4.089	-0.800	192.2	16.268	818	2.183	38	265.746465	252.056463
1.22E+01	10.100	5.100	8.139	4.110	1.900	192.2	11.27814	881	2.778	45.5	266.328854	251.176535
1.23E+01	10.100	5.100	8.142	4.111	0.000	192.2	19.86945	881	3.11	42.3	266.457143	250.3
1.23E+01	10.100	5.100	8.153	4.117	0.300	192.2	18.0033	1013	4.021	45.6	266.552546	250.770911
1.24E+01	10.200	5.200	8.227	4.184	1.400	192.2	19.43143	1164	4.721	58.1	267.279505	253.268057
1.26E+01	10.400	5.200	8.385	4.203	-1.600		29.11887	1471	5.934	67.7	268.627567	260.76199
1.27E+01	10.600	5.300	8.457	4.239	1.200		40.53868	1750	7.782	60.8	276.322268	273.143582
1.29E+01	10.800	5.500	8.538	4.394	0.100		32.82992	1485	9.419	63.3	281.752818	281.703086
1.35E+01	11.200	5.900	8.828	4.679	2.200		30.67202	1471	10.916	60.2	284.862788	285.954941
1.42E+01	11.800	6.200	9.343	4.880	-0.100		25.2115	1394	11.18	45.1	286.49481	284.674777
1.48E+01	12.300	6.300	9.767	4.985	0.700	192.2	20.30422	1330	11.18	40.4	283.406472	277.143956
1.50E+01	12.500	6.400	9.943	5.069	2.700	192.2	20.72433	1337	11.18	44.2	279.272727	270.025882
1.51E+01	12.400	6.400	9.977	5.139	0.400	192.2	21.43252	1347	11.18	43.4	277.302516	266.139334
1.43E+01	11.400	6.300	9.203	5.100	2.700	192.2	22.21543	1352	11.18	42.1	276.002312	262.941224

3.26228	0.04972	7.27529	14396.777
3.26244	0.04972	7.27569	14397.038
3.26258	0.04973	7.27612	14397.24
3.26279	0.04973	7.2768	14397.509
3.263	0.04973	7.27767	14397.778
3.26319	0.04973	7.2785	14398.033
3.26337	0.04973	7.27934	14398.332
3.26354	0.04973	7.28005	14398.727
3.26371	0.04973	7.28086	14399.213
3.26389	0.04973	7.28222	14399.902
3.26409	0.04973	7.2833	14400.82
3.26429	0.04973	7.28422	14401.865
3.26448	0.04973	7.28541	14403.041
3.26464	0.04973	7.28643	14404.251
3.26482	0.04974	7.28723	14405.727
3.26501	0.04974	7.28779	14407.163
3.26522	0.04976	7.28835	14408.375
3.26543	0.04976	7.2889	14409.33
3.26565	0.04977	7.28965	14410.213
3.26587	0.04977	7.29055	14411.153
3.26609	0.04977	7.29143	14412.213
3.26632	0.04977	7.29212	14413.375
3.26658	0.04977	7.29275	14414.689
3.26684	0.04978	7.29335	14415.979
3.26711	0.04978	7.29426	14417.371
3.26736	0.04979	7.2952	14418.754
3.26762	0.04979	7.29601	14420.174
3.26791	0.04979	7.29677	14421.696
3.26821	0.04979	7.29751	14423.164
3.26851	0.04979	7.2985	14424.632
3.2688	0.0498	7.29948	14426.008
3.26911	0.0498	7.30052	14427.492
3.26944	0.04981	7.30159	14429.122
3.26978	0.04981	7.30257	14430.77
3.27011	0.04983	7.3035	14432.339
3.27048	0.04983	7.30454	14434.077
3.27084	0.04983	7.30567	14435.74
3.27124	0.04984	7.30698	14437.504
3.27183	0.04984	7.30899	14440.122
3.27257	0.04986	7.31163	14443.968
3.2733	0.04986	7.31389	14448.213
3.27399	0.04989	7.31522	14452.231
3.27454	0.04989	7.31623	14455.211
3.27505	0.0499	7.31722	14457.886
3.27555	0.04993	7.31812	14460.283
3.27606	0.04993	7.31891	14462.394
3.27656	0.04996	7.31971	14464.409

11:21:42.944	-13	0.00048	0.00001	0.00115	2.043	0.000198	11.4
11:21:43.944	-13	0.00047	0.00005	0.00111	2.091	0.000202	11.7
11:21:44.944	-13	0.00046	0.00002	0.00104	2.117	0.000205	12
11:21:45.944	-13	0.00044	0.00003	0.00104	2.109	0.000204	12
11:21:46.944	-13	0.00042	0.00002	0.00102	1.995	0.000193	12.1
11:21:47.944	-13	0.00039	0.00001	0.00111	1.873	0.000181	12.1
11:21:48.944	-13	0.00038	0.00007	0.00094	1.743	0.000169	12.1
11:21:49.944	-13	0.00038	0.00007	0.00104	1.617	0.000156	11.7
11:21:50.944	-13	0.00039	0.00005	0.00131	1.509	0.000146	11.3
11:21:51.944	-13	0.00038	0	0.00145	1.562	0.000151	11.3
11:21:52.944	-13	0.00038	0.00001	0.00129	1.737	0.000168	11.3
11:21:53.944	-13	0.00041	0.00001	0.00106	1.92	0.000186	11.4
11:21:54.944	-13	0.00044	0.00002	0.00112	2.071	0.0002	11.5
11:21:55.944	-13	0.00045	0.00003	0.00116	2.225	0.000215	11.7
11:21:56.944	-13	0.00049	0.00001	0.00161	2.61	0.000253	12
11:21:57.944	-13	0.00052	0.00004	0.00198	2.974	0.000288	12.5
11:21:58.944	-13	0.0005	0	0.00151	2.957	0.000286	13.1
11:21:59.944	-13	0.00037	0.00001	0.00096	2.242	0.000217	13.7
11:22:00.944	-13	0.00029	0	0.00074	1.72	0.000166	14.5
11:22:01.944	-13	0.00025	0	0.00062	1.375	0.000133	13.9
11:22:02.944	-13	0.00024	0.00001	0.00049	1.139	0.00011	13.2
11:22:03.944	-13	0.00026	0	0.00035	0.906	0.000088	12.1
11:22:04.944	-13	0.00026	0.00002	0.00031	0.677	0.000066	10.8
11:22:05.944	-13	0.00027	0.00001	0.00061	0.591	0.000057	9
11:22:06.944	-13	0.00029	0	0.00102	0.682	0.000066	6.8
11:22:07.944	-13	0.0003	0	0.00151	0.954	0.000092	6.4
11:22:08.944	-13	0.00031	0	0.00189	1.374	0.000133	5.9
11:22:09.944	-13	0.00033	0.00002	0.00211	1.909	0.000185	6.3
11:22:10.944	-13	0.00029	0	0.00177	1.898	0.000184	6.8
11:22:11.944	-13	0.00024	0.00003	0.00103	1.655	0.00016	7.2
11:22:12.944	-13	0.00025	0	0.001	1.634	0.000158	7.6
11:22:13.944	-13	0.00026	0.00001	0.00086	1.439	0.000139	7.5
11:22:14.944	-13	0.00025	0	0.00061	1.077	0.000104	7.4
11:22:15.944	-13	0.00024	0	0.00061	0.856	0.000083	7.5
11:22:16.944	-13	0.00024	0	0.001	0.819	0.000079	7.7
11:22:17.944	-13	0.00025	0	0.00104	0.848	0.000082	7.4
11:22:18.944	-13	0.00024	0	0.001	0.843	0.000082	7.1
11:22:19.944	-13	0.00023	0	0.00095	0.835	0.000081	6.1
11:22:20.944	-13	0.00023	0.00001	0.0009	0.869	0.000084	4.8
11:22:21.944	-13	0.00023	0	0.00088	0.874	0.000085	2.7
11:22:22.944	-13	0.00024	0	0.00106	0.926	0.00009	0
11:22:23.944	-13	0.00024	0	0.00133	1.031	0.0001	0
11:22:24.944	-13	0.00024	0	0.00121	1.113	0.000108	0
11:22:25.944	-13	0.00023	0.00001	0.00105	1.163	0.000113	0.6
11:22:26.944	-13	0.00022	0	0.00102	1.167	0.000113	1.3
11:22:27.944	-13	0.00022	0.00001	0.0011	1.17	0.000113	1.6
11:22:28.944	-13	0.00022	0	0.00109	1.157	0.000112	2

1.35E+01	10.400	6.300	8.391	5.080	0.500	192.2	22.59838	1355	11.18	41.6	274.728	260.414567
1.32E+01	10.100	6.300	8.099	5.076	4.200	192.2	22.62356	1369	11.18	41.9	273.709221	258.378494
1.27E+01	9.600	6.200	7.717	5.016	1.800	192.2	22.88672	1380	11.18	42.3	272.914948	256.3545
1.24E+01	9.200	6.200	7.374	4.995	2.400	192.2	23.50924	1384	11.18	40.3	272.15	254.489209
1.22E+01	9.000	6.200	7.252	4.996	2.000	192.2	22.19119	1333	11.18	32.9	272.136538	252.341916
1.22E+01	8.900	6.200	7.195	4.997	0.900	192.2	19.65902	1273	10.825	30.8	270.885125	248.098202
1.22E+01	8.900	6.200	7.190	5.008	7.100	192.2	19.18683	1259	10.56	34.6	267.734615	243.5146
1.22E+01	8.800	6.200	7.141	5.031	7.000	192.2	19.9924	1282	10.56	42	266.508046	242.43007
1.20E+01	8.500	6.200	6.949	5.052	5.300	192.2	20.46881	1284	10.56	41.7	267.507349	243.3
1.18E+01	8.300	6.200	6.774	5.044	0.000	192.2	20.63908	1285	10.56	37	272.975425	242.586974
1.16E+01	8.100	6.200	6.564	5.024	0.900	192.2	20.61428	1310	10.56	40.1	275.748362	241.575974
1.16E+01	8.100	6.200	6.556	5.018	1.200	192.2	21.88416	1384	11.18	47.3	275.205096	241.646734
1.15E+01	8.000	6.200	6.475	5.018	1.800	192.2	24.5336	1434	11.773	50.5	275.128846	244.507393
1.13E+01	7.800	6.200	6.321	5.009	2.700	192.2	25.48729	1458	11.8	49.6	279.37892	248.532106
1.13E+01	7.800	6.200	6.272	4.985	1.000	192.2	27.39844	1525	12.42	51	281.290962	251.990099
1.12E+01	7.800	6.200	6.248	4.967	3.100	192.2	29.98814	1614	13.04	49.2	281.08714	256.73062
1.12E+01	7.800	6.200	6.235	4.956	0.100	192.2	30.82371	1626	13.66	46	280.729054	260.686905
1.12E+01	7.800	6.200	6.229	4.951	1.000	192.2	15.88341	964	14.202	30.5	281.278668	256.015139
1.12E+01	7.900	6.200	6.288	4.952	0.600	192.2	16.78184	988	12.91	4.9	279.65	245.794979
1.15E+01	8.100	6.300	6.472	5.050	0.500	192.2	11.69106	981	11.539	7.1	281.961538	236.122222
1.16E+01	8.100	6.300	6.553	5.097	0.800	192.2	12.56282	944	10.17	10.8	283.761404	229.13871
1.17E+01	8.000	6.300	6.574	5.162	-1.800	192.2	14.09881	840	8.325	18	278.0625	223.516161
1.15E+01	7.700	6.100	6.402	5.076	2.400	192.2	14.26784	798	6.337	28.7	276.496154	220.27033
1.07E+01	6.900	5.900	5.776	4.879	1.600	192.2	16.22626	824	5.59	33.2	264.84375	220.353105
9.50E+00	5.900	5.500	4.921	4.566	-0.400	192.2	19.17888	1082	5.59	47.2	263.204082	222.504724
8.70E+00	5.300	5.100	4.420	4.254	-3.400		22.53358	1296	5.686	47.6	265.591219	227.890291
8.30E+00	5.100	5.000	4.218	4.115	-1.700		24.24084	1373	6.21	45.3	267.846016	231.580078
8.10E+00	5.000	5.000	4.071	4.071	1.600		26.00359	1468	6.83	47.2	269.710417	235.309886
8.20E+00	5.100	5.000	4.106	4.047	-1.400		24.82637	1482	6.83	33.7	268.409812	238.254
8.30E+00	5.100	5.200	4.116	4.173	3.000		14.21262	954	6.83	24.1	266.841336	234.185285
8.70E+00	5.400	5.300	4.395	4.315	-0.800	190.4	16.95763	812	6.21	26	264.654167	229.269505
9.40E+00	5.800	5.700	4.717	4.658	1.000	190.4	16.51984	821	6.269	29.8	263.628571	225.712404
9.90E+00	6.300	5.800	5.117	4.749	-0.300	190.4	14.95265	830	6.83	32.3	254.016792	223.375709
1.01E+01	6.400	5.800	5.275	4.780	-0.800	190.4	15.08383	820	6.83	31.3	249.838095	221.298014
1.01E+01	6.400	5.800	5.282	4.787	-0.600	190.4	15.37484	842	6.541	33.5	250.149306	220.650644
1.01E+01	6.400	5.800	5.282	4.787	-1.200	190.4	16.34072	839	6.21	31.4	254.345558	219.683871
1.00E+01	6.300	5.800	5.216	4.782	0.000	190.4	15.20686	819	5.59	32.5	251.470307	218.349159
1.00E+01	6.300	5.800	5.188	4.776	-1.000	190.4	14.77767	793	3.984	33.3	250.962004	217.312526
9.80E+00	6.100	5.700	5.041	4.711	1.800	190.4	14.59348	755	2.504	37.1	256.755094	217.750964
9.70E+00	6.000	5.700	4.961	4.691	0.000	190.4	14.97036	790	0.089	47.2	255.700472	220.147217
9.50E+00	5.900	5.700	4.854	4.689	0.400	190.4	15.29273	741	0	40.4	256.693622	221.857705
9.50E+00	5.800	5.700	4.779	4.675	0.600	190.4	16.56358	791	0.62	39.1	261.264336	224.326333
9.40E+00	5.800	5.700	4.739	4.658	-1.500	190.4	15.98856	779	1.24	38.2	268.913555	225.4
9.40E+00	5.800	5.700	4.724	4.643	1.300	190.4	15.30454	776	1.86	40.5	260.326687	225.453793
9.30E+00	5.800	5.700	4.715	4.634	-1.800		14.69712	783	1.856	41.7	260.264865	226.098899
9.30E+00	5.800	5.700	4.716	4.634	0.800		14.87333	781	1.24	40.7	260.106442	227.247973
9.40E+00	5.800	5.700	4.717	4.636	-0.900		15.56006	790	0.665	34.5	260.711268	226.574898

3.27704	0.04997	7.32086	14466.452
3.27751	0.05002	7.32197	14468.543
3.27797	0.05004	7.32301	14470.66
3.27841	0.05007	7.32405	14472.769
3.27883	0.05009	7.32507	14474.764
3.27922	0.0501	7.32618	14476.637
3.2796	0.05017	7.32712	14478.38
3.27998	0.05024	7.32816	14479.997
3.28037	0.05029	7.32947	14481.506
3.28075	0.05029	7.33092	14483.068
3.28113	0.0503	7.33221	14484.805
3.28154	0.05031	7.33327	14486.725
3.28198	0.05033	7.33439	14488.796
3.28243	0.05036	7.33555	14491.021
3.28292	0.05037	7.33716	14493.631
3.28344	0.05041	7.33914	14496.605
3.28394	0.05041	7.34065	14499.562
3.28431	0.05042	7.34161	14501.804
3.2846	0.05042	7.34235	14503.524
3.28485	0.05042	7.34297	14504.899
3.28509	0.05043	7.34346	14506.038
3.28535	0.05043	7.34381	14506.944
3.28561	0.05045	7.34412	14507.621
3.28588	0.05046	7.34473	14508.212
3.28617	0.05046	7.34575	14508.894
3.28647	0.05046	7.34726	14509.848
3.28678	0.05046	7.34915	14511.222
3.28711	0.05048	7.35126	14513.131
3.2874	0.05048	7.35303	14515.029
3.28764	0.05051	7.35406	14516.684
3.28789	0.05051	7.35506	14518.318
3.28815	0.05052	7.35592	14519.757
3.2884	0.05052	7.35653	14520.834
3.28864	0.05052	7.35714	14521.69
3.28888	0.05052	7.35814	14522.509
3.28913	0.05052	7.35918	14523.357
3.28937	0.05052	7.36018	14524.2
3.2896	0.05052	7.36113	14525.035
3.28983	0.05053	7.36203	14525.904
3.29006	0.05053	7.36291	14526.778
3.2903	0.05053	7.36397	14527.704
3.29054	0.05053	7.3653	14528.735
3.29078	0.05053	7.36651	14529.848
3.29101	0.05054	7.36756	14531.011
3.29123	0.05054	7.36858	14532.178
3.29145	0.05055	7.36968	14533.348
3.29167	0.05055	7.37077	14534.505

11:22:29.944	-13	0.00025	0.00001	0.00123	1.316	0.000127	1.5
11:22:30.944	-13	0.00025	0.00001	0.00122	1.312	0.000127	0.8
11:22:31.944	-13	0.00023	0	0.00113	1.226	0.000119	1.5
11:22:32.944	-13	0.00022	0.00002	0.00102	1.224	0.000119	2.4
11:22:33.944	-13	0.00023	0	0.00094	1.308	0.000127	2.4
11:22:34.944	-13	0.00024	0.00001	0.00095	1.317	0.000127	2.4
11:22:35.944	-13	0.00024	0	0.00095	1.273	0.000123	1.3
11:22:36.944	-13	0.00024	0.00001	0.00106	1.241	0.00012	0
11:22:37.944	-13	0.00024	0	0.00108	1.21	0.000117	0
11:22:38.944	-13	0.00024	0.00001	0.00108	1.193	0.000116	0
11:22:39.944	-13	0.00024	0.00001	0.00108	1.179	0.000114	0
11:22:40.944	-13	0.00024	0	0.00109	1.182	0.000114	0
11:22:41.944	-13	0.00024	0.00001	0.00109	1.176	0.000114	0
11:22:42.944	-13	0.00024	0	0.00108	1.17	0.000113	0
11:22:43.944	-13	0.00024	0.00001	0.00108	1.166	0.000113	0
11:22:44.944	-13	0.00024	0.00001	0.00108	1.172	0.000113	0
11:22:45.944	-13	0.00025	0.00001	0.00109	1.181	0.000114	0
11:22:46.944	-13	0.00028	0.00004	0.00123	1.337	0.00013	0
11:22:47.944	-13	0.00028	0	0.00126	1.368	0.000132	0
11:22:48.944	-13	0.00027	0.00004	0.0012	1.327	0.000129	0
11:22:49.944	-13	0.00027	0.00001	0.00119	1.37	0.000133	1.1
11:22:50.944	-13	0.00026	0.00005	0.00101	1.402	0.000136	2.4
11:22:51.944	-13	0.00025	0.00002	0.00082	1.332	0.000129	3.1
11:22:52.944	-13	0.00025	0.00001	0.00085	1.285	0.000124	3.9
11:22:53.944	-13	0.00025	0.00003	0.00096	1.18	0.000114	3.2
11:22:54.944	-13	0.00028	0	0.00106	1.226	0.000119	2.3
11:22:55.944	-13	0.00027	0.00004	0.00116	1.235	0.00012	1.7
11:22:56.944	-13	0.00028	0.00001	0.0013	1.335	0.000129	0.9
11:22:57.944	-13	0.00027	0.00002	0.00126	1.451	0.000141	1.4
11:22:58.944	-13	0.00027	0.00001	0.00103	1.499	0.000145	2.1
11:22:59.944	-13	0.00029	0.00002	0.00112	1.654	0.00016	2.6
11:23:00.944	-13	0.00032	0.00002	0.00122	1.794	0.000174	3.3
11:23:01.944	-13	0.00029	0.00001	0.00111	1.597	0.000155	3.5
11:23:02.944	-13	0.00026	0.00003	0.00108	1.417	0.000137	3.8
11:23:03.944	-13	0.00025	0	0.00109	1.305	0.000126	3.1
11:23:04.944	-13	0.00026	0.00002	0.00113	1.224	0.000119	2.3
11:23:05.944	-13	0.00026	0	0.00113	1.164	0.000113	1.9
11:23:06.944	-13	0.00025	0	0.00098	1.082	0.000105	1.5
11:23:07.944	-13	0.00024	0	0.00103	1.056	0.000102	2.5
11:23:08.944	-13	0.00024	0	0.00106	1.047	0.000101	3.7
11:23:09.944	-13	0.00024	0	0.00103	1.114	0.000108	2.6
11:23:10.944	-13	0.00023	0	0.00094	1.159	0.000112	1.3
11:23:11.944	-13	0.00023	0	0.00093	1.189	0.000115	1.1
11:23:12.944	-13	0.00022	0	0.00104	1.207	0.000117	0.9
11:23:13.944	-13	0.00024	0	0.00135	1.321	0.000128	0.5
11:23:14.944	-13	0.00024	0.00001	0.00138	1.312	0.000127	0
11:23:15.944	-13	0.00022	0	0.00122	1.244	0.00012	0

9.40E+00	5.800	5.800	4.715	4.694	0.800		17.08562	884	0	38.9	259.443555	226.232032
9.50E+00	5.800	5.900	4.714	4.775	0.700		17.32598	932	2.436	40	260.101566	229.878942
9.50E+00	5.800	5.900	4.712	4.793	-0.500	190.4	14.85544	814	2.48	36.8	260.488163	231.0754
9.60E+00	5.900	6.000	4.763	4.844	2.500	190.4	14.48488	774	2.48	39	260.107732	230.43828
9.90E+00	6.100	6.100	4.964	4.928	-1.400	190.4	14.50884	772	1.189	39.2	255.071923	229.1
1.02E+01	6.400	6.200	5.150	5.009	0.900	190.4	14.68727	781	0	38.6	248.739627	228.885762
1.03E+01	6.400	6.300	5.179	5.076	0.000	190.4	14.79233	778	0	38.8	249.361871	228.5
1.03E+01	6.400	6.300	5.188	5.107	1.000	190.4	14.76213	780	0	39.6	254.502731	228.5
1.03E+01	6.400	6.300	5.193	5.112	0.700	190.4	14.66036	778	0	39.2	253.310038	227.81714
1.03E+01	6.400	6.300	5.195	5.114	0.800	190.4	14.84645	775	0	39.2	255.010554	227.3
1.04E+01	6.400	6.400	5.201	5.180	1.100	190.4	14.69599	779	0	38.8	259.993182	227.3
1.04E+01	6.400	6.400	5.201	5.201	-0.600	190.4	14.8251	777	0	39.1	258.413567	226.324685
1.05E+01	6.500	6.400	5.261	5.202	2.000	190.4	14.69	781	0	39.7	260.094896	226.483913
1.05E+01	6.500	6.400	5.284	5.203	-0.500	190.4	14.85339	779	0	39	259.516031	226.116471
1.05E+01	6.500	6.400	5.284	5.203	1.500	190.4	14.7992	777	0	39.2	259.884211	226
1.05E+01	6.500	6.400	5.284	5.203	1.000	190.4	14.74896	780	0	39.2	257.128484	225.412739
1.05E+01	6.500	6.400	5.284	5.203	1.900		14.68634	780	0	39.6	256.778378	225.4
1.05E+01	6.500	6.400	5.284	5.203	5.000		17.84475	898	0.483	41.6	257.164761	225.983317
1.05E+01	6.500	6.400	5.284	5.203	0.300		17.07761	919	1.08	44.2	257.351111	227.805279
1.05E+01	6.500	6.400	5.280	5.199	4.500		16.61362	871	2.345	40.4	256.506517	229.070401
1.05E+01	6.500	6.400	5.269	5.188	1.000		16.03192	884	3.11	33.5	256.360331	228.523054
1.04E+01	6.500	6.400	5.253	5.172	7.000	190.4	15.31074	776	3.11	33	255.747713	226.672272
1.04E+01	6.500	6.400	5.253	5.173	2.800	190.4	13.92955	765	3.11	35.9	255.642171	224.774026
1.05E+01	6.600	6.400	5.323	5.184	1.700	190.4	15.09167	803	2.012	39.6	254.972708	224.027972
1.06E+01	6.600	6.400	5.369	5.206	4.400	190.4	14.90114	797	0.739	40.1	254.017143	224.686415
1.06E+01	6.600	6.400	5.384	5.220	0.600	190.4	16.01825	887	0	44.1	254.129167	225.38125
1.05E+01	6.500	6.400	5.300	5.218	5.000	190.4	16.98742	912	1.24	47.4	254.707563	228.371724
1.05E+01	6.500	6.400	5.284	5.202	0.800	190.4	15.03694	826	0.62	45.3	254.368889	229.069109
1.04E+01	6.500	6.400	5.256	5.175	2.500	190.4	16.6336	927	1.758	43	251.297995	230.5
1.05E+01	6.600	6.400	5.300	5.160	0.900	190.4	16.19118	816	2.48	38.2	246.908709	230.5
1.05E+01	6.600	6.400	5.317	5.156	2.400	190.4	17.74692	886	2.796	24	243.853525	230.694839
1.05E+01	6.600	6.400	5.319	5.158	2.100		20.22587	968	3.448	24.8	243.095094	231.1
1.05E+01	6.600	6.400	5.325	5.164	0.900		16.64714	762	3.11	29.1	243.103279	229.984752
1.05E+01	6.600	6.400	5.333	5.171	4.500		15.21741	792	2.141	39.2	241.572421	227.689322
1.05E+01	6.600	6.400	5.340	5.178	0.000		13.74126	792	0.277	37.5	240.524716	226.613837
1.06E+01	6.700	6.400	5.424	5.203	2.700		15.38428	784	0.941	43	239.753846	225.159547
1.07E+01	6.700	6.400	5.459	5.215	-0.100	190.4	15.52399	782	2.468	41.1	239.637474	224.7
1.08E+01	6.800	6.400	5.548	5.221	-1.000	190.4	14.096	777	3.11	39	239.336364	224.7
1.06E+01	6.700	6.300	5.471	5.164	-1.800	190.4	14.82101	789	1.71	42.3	238.586504	224.7
1.06E+01	6.600	6.300	5.409	5.142	-3.800	190.4	14.40532	773	1.24	42.6	244.318797	224.7
1.04E+01	6.400	6.300	5.231	5.129	-1.400	190.4	14.31117	774	0.701	40.4	245.74211	224.7
1.02E+01	6.300	6.200	5.120	5.039	-5.500	190.4	14.49689	782	0.62	41	244.873295	225.147394
9.80E+00	6.000	6.100	4.890	4.950	-1.800	190.4	14.41058	780	0	42.5	245.754302	224.913611
9.70E+00	5.900	6.100	4.785	4.947	-4.700	190.4	14.46914	780	0	42.9	249.307347	224.7
9.70E+00	5.900	6.100	4.785	4.947	-0.600	190.4	14.40909	775	0	40.1	248.628293	224.7
9.60E+00	5.900	6.000	4.783	4.864	1.500		14.94458	783	0	32.4	246.525156	222.854633
9.60E+00	5.900	6.000	4.782	4.863	0.500		14.26719	773	0	28.2	246.402626	218.565381

3.29192	0.05056	7.372	14535.821
3.29217	0.05057	7.37322	14537.133
3.2924	0.05057	7.37435	14538.359
3.29262	0.05059	7.37537	14539.583
3.29285	0.05059	7.37631	14540.891
3.29309	0.0506	7.37726	14542.208
3.29333	0.0506	7.37821	14543.481
3.29357	0.05061	7.37927	14544.722
3.29381	0.05061	7.38035	14545.932
3.29405	0.05062	7.38143	14547.125
3.29429	0.05063	7.38251	14548.304
3.29453	0.05063	7.3836	14549.486
3.29477	0.05064	7.38469	14550.662
3.29501	0.05064	7.38577	14551.832
3.29525	0.05065	7.38685	14552.998
3.29549	0.05066	7.38793	14554.17
3.29574	0.05067	7.38902	14555.351
3.29602	0.05071	7.39025	14556.688
3.2963	0.05071	7.39151	14558.056
3.29657	0.05075	7.39271	14559.383
3.29684	0.05076	7.3939	14560.753
3.2971	0.05081	7.39491	14562.155
3.29735	0.05083	7.39573	14563.487
3.2976	0.05084	7.39658	14564.772
3.29785	0.05087	7.39754	14565.952
3.29813	0.05087	7.3986	14567.178
3.2984	0.05091	7.39976	14568.413
3.29868	0.05092	7.40106	14569.748
3.29895	0.05094	7.40232	14571.199
3.29922	0.05095	7.40335	14572.698
3.29951	0.05097	7.40447	14574.352
3.29983	0.05099	7.40569	14576.146
3.30012	0.051	7.4068	14577.743
3.30038	0.05103	7.40788	14579.16
3.30063	0.05103	7.40897	14580.465
3.30089	0.05105	7.4101	14581.689
3.30115	0.05105	7.41123	14582.853
3.3014	0.05105	7.41221	14583.935
3.30164	0.05105	7.41324	14584.991
3.30188	0.05105	7.4143	14586.038
3.30212	0.05105	7.41533	14587.152
3.30235	0.05105	7.41627	14588.311
3.30258	0.05105	7.4172	14589.5
3.3028	0.05105	7.41824	14590.707
3.30304	0.05105	7.41959	14592.028
3.30328	0.05106	7.42097	14593.34
3.3035	0.05106	7.42219	14594.584

11:23:16.944	-13	0.00022	0.00002	0.0012	1.191	0.000115	0
11:23:17.944	-13	0.00022	0	0.00117	1.048	0.000102	0
11:23:18.944	-13	0.00016	0.00001	0.00056	0.57	0.000055	0
11:23:19.944	-13	0.0001	0	0.00022	0.2	0.000019	0
11:23:20.944	-13	0.00005	0	0.00011	0.045	0.000004	0
11:23:21.944	-13	0.00001	0	0.00004	0.005	0.000001	0
11:23:22.944	-13	0.00001	0	0.00003	0.002	0	0
11:23:23.944	-13	0.00001	0	0.00003	0.003	0.000001	0
11:23:24.944	-13	0	0	0.00001	0.001	0	0
11:23:25.944	-13	0	0	0.00001	0.001	0	0
11:23:26.944	-13	0	0	0.00001	0.001	0	0
11:23:27.944	-13	0	0	0.00001	0.001	0	0
11:23:28.944	-13	0	0	0	0	0	0
11:23:29.944	-13	0	0	0.00001	0.001	0	0
11:23:30.944	-13	0	0	0.00002	0.001	0	0
11:23:31.944	-13	0	0	0.00002	0.001	0	0
11:23:32.944	-13	0	0	0	0	0	0
11:23:33.944	-13	0	0	0	0	0	0
11:23:34.944	-13	0	0	0	0	0	0
11:23:35.944	-13	0	0	0	0	0	0
11:23:36.944	-13	0	0	0.00001	0	0	0
11:23:37.944	-13	0	0	0	0	0	0
11:23:38.944	-13	0	0	0	0	0	0
11:23:39.944	-13	0	0	0	0	0	0
11:23:40.944	-13	0	0	0	0	0	0
11:23:41.944	-13	0	0	0	0	0	0
11:23:42.944	-13	0	0	0	0	0	0
11:23:43.944	-13	0	0	0	0	0	0
11:23:44.944	-13	0	0	0	0	0	0
11:23:45.944	-13	0	0	0	0	0	0
11:23:46.944	-13	0	0	0	0	0	0
11:23:47.944	-13	0	0	0	0	0	0
11:23:48.944	-13	0	0	0.00001	0	0	0
11:23:49.944	-13	0	0	0.00001	0	0	0
11:23:50.944	-13	0	0	0.00001	0	0	0
11:23:51.944	-13	0	0	0	0	0	0
11:23:52.944	-13	0	0	0	0	0	0
11:23:53.944	-13	0	0	0.00001	0	0	0
11:23:54.944	-13	0	0	0.00001	0	0	0
11:23:55.944	-13	0	0	0	0	0	0
11:23:56.944	-13	0	0	0	0	0	0
11:23:57.944	-13	0	0	0	0	0	0
11:23:58.944	-13	0	0	0	0	0	0
11:23:59.944	-13	0	0	0.00001	0	0	0
11:24:00.944	-13	0	0	0.00001	0	0	0
11:24:01.944	-13	0	0	0	0	0	0
11:24:02.944	-13	0	0	0	0	0	0

9.70E+00	5.900	6.000	4.786	4.867	3.300	14.17429	775	0	28.6	245.855828	215.256832
9.70E+00	5.900	6.000	4.809	4.891	-0.700		781	0			212.668948
9.90E+00	6.000	6.000	4.947	4.947	1.800						
9.80E+00	5.900	5.800	4.957	4.873	0.500						
9.10E+00	5.300	5.400	4.486	4.571	0.100						
7.80E+00	4.800	4.400	4.048	3.733	-0.100						
6.60E+00	4.400	3.400	3.687	2.904	-0.600						
5.80E+00	3.800	3.100	3.179	2.649	1.600						
5.40E+00	3.500	2.900	2.988	2.416	-1.500						
5.10E+00	3.400	2.600	2.881	2.225	0.000						
4.90E+00	3.200	2.600	2.732	2.203	-2.700						
4.80E+00	3.100	2.500	2.647	2.139	-1.000						
4.60E+00	2.900	2.500	2.457	2.118	-1.400						
4.50E+00	2.800	2.500	2.394	2.118	-2.300						
4.40E+00	2.800	2.400	2.372	2.033	-0.600						
4.40E+00	2.800	2.400	2.372	2.033	-2.900						
4.40E+00	2.800	2.400	2.372	2.033	-0.400						
4.40E+00	2.800	2.400	2.372	2.033	-3.000						
4.40E+00	2.800	2.400	2.372	2.033	-0.500						
4.30E+00	2.800	2.300	2.372	1.970	-1.500						
4.30E+00	2.800	2.300	2.372	1.948	-1.000						
4.30E+00	2.800	2.300	2.372	1.948	-0.700						
4.30E+00	2.800	2.200	2.372	1.886	-1.800						
4.20E+00	2.700	2.200	2.310	1.864	0.700						
4.20E+00	2.700	2.200	2.287	1.864	-2.700						
4.10E+00	2.700	2.100	2.287	1.800	-0.100						
4.20E+00	2.800	2.100	2.372	1.779	-1.400						
4.20E+00	2.800	2.100	2.372	1.779	-1.700						
4.20E+00	2.800	2.100	2.372	1.779	0.300						
4.10E+00	2.700	2.100	2.309	1.779	-2.000						
4.10E+00	2.700	2.100	2.288	1.779	-0.400						
4.10E+00	2.700	2.100	2.288	1.779	-2.600						
4.00E+00	2.700	2.000	2.288	1.695	4.000						
4.00E+00	2.700	2.000	2.288	1.695	1.300						
4.00E+00	2.700	2.000	2.288	1.695	-0.300						
3.90E+00	2.700	1.900	2.288	1.610	-0.200						
3.90E+00	2.700	1.900	2.288	1.610	-0.400						
3.80E+00	2.600	1.900	2.225	1.610	0.700						
3.80E+00	2.600	1.900	2.203	1.610	-2.800						
3.80E+00	2.600	1.900	2.203	1.610	0.000						
3.80E+00	2.600	1.900	2.203	1.610	-1.900						
3.80E+00	2.600	1.900	2.203	1.610	-0.900						
3.80E+00	2.600	1.900	2.203	1.610	-0.500						
3.70E+00	2.600	1.800	2.203	1.546	-3.100						
3.70E+00	2.600	1.800	2.203	1.525	0.400						
3.70E+00	2.600	1.800	2.203	1.525	-4.000						
3.70E+00	2.600	1.800	2.203	1.525	0.200						

3.30372	0.05108	7.42339	14595.775
3.30394	0.05108	7.42456	14596.823
3.3041	0.05109	7.42512	14597.393
3.3042	0.05109	7.42534	14597.593
3.30425	0.05109	7.42545	14597.638
3.30426	0.05109	7.42549	14597.643
3.30427	0.05109	7.42552	14597.645
3.30428	0.05109	7.42555	14597.648
3.30428	0.05109	7.42556	14597.649
3.30428	0.05109	7.42557	14597.65
3.30428	0.05109	7.42558	14597.651
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3.30428	0.05109	7.42564	14597.655
3.30428	0.05109	7.42564	14597.655
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3.30428	0.05109	7.42568	14597.655
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3.30428	0.05109	7.42568	14597.655
3.30428	0.05109	7.42569	14597.655
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3.30428	0.05109	7.4257	14597.655
3.30428	0.05109	7.4257	14597.655
3.30428	0.05109	7.4257	14597.655
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3.30428	0.05109	7.42571	14597.655
3.30428	0.05109	7.42572	14597.655
3.30428	0.05109	7.42572	14597.655
3.30428	0.05109	7.42572	14597.655

11:24:03.944	-13	0	0	0.00001	0	0	0
11:24:04.944	-13	0	0	0.00001	0	0	0
11:24:05.944	-13	0	0	0	0	0	0
11:24:06.944	-13	0	0	0	0	0	0
11:24:07.944	-13	0	0	0.00001	0	0	0
11:24:08.944	-13	0	0	0.00001	0	0	0
11:24:09.944	-13	0	0	0.00001	0	0	0
11:24:10.944	-13	0	0	0	0	0	0
11:24:11.944	-13	0	0	0	0	0	0
11:24:12.944	-13	0	0	0	0	0	0
11:24:13.944	-13	0	0	0	0	0	0
11:24:14.944	-13	0	0	0	0	0	0
11:24:15.944	-13	0	0	0	0	0	0
11:24:16.944	-13	0	0	0	0	0	0
11:24:17.944	-13	0	0	0	0	0	0

3.70E+00	2.600	1.800	2.203	1.525	-2.100
3.70E+00	2.600	1.800	2.203	1.525	-1.900
3.70E+00	2.600	1.800	2.203	1.525	-1.500
3.70E+00	2.600	1.800	2.203	1.525	-4.700
3.70E+00	2.600	1.800	2.203	1.525	-3.400
3.80E+00	2.700	1.800	2.287	1.525	-5.300
3.90E+00	2.800	1.800	2.372	1.525	-0.800
3.90E+00	2.800	1.800	2.372	1.525	-2.800
3.90E+00	2.800	1.800	2.372	1.525	-1.000
3.90E+00	2.800	1.800	2.372	1.525	-1.300
3.90E+00	2.800	1.800	2.372	1.525	-2.300
3.90E+00	2.800	1.800	2.372	1.525	-1.900
3.90E+00	2.800	1.800	2.372	1.525	-4.200
3.80E+00	2.800	1.700	2.372	1.440	-0.300
3.80E+00	2.800	1.700	2.372	1.440	-3.000

3.30428	0.05109	7.42573	14597.655
3.30428	0.05109	7.42574	14597.655
3.30428	0.05109	7.42574	14597.655
3.30428	0.05109	7.42574	14597.655
3.30428	0.05109	7.42575	14597.655
3.30428	0.05109	7.42576	14597.655
3.30428	0.05109	7.42577	14597.655
3.30428	0.05109	7.42577	14597.655
3.30428	0.05109	7.42577	14597.655
3.30428	0.05109	7.42577	14597.655
3.30428	0.05109	7.42577	14597.655
3.30428	0.05109	7.42577	14597.655
3.30428	0.05109	7.42577	14597.655
3.30428	0.05109	7.42577	14597.655
3.30428	0.05109	7.42577	14597.655