

Supplemental Material attached to the paper:

The near infrared spectrum of ozone by CW-Cavity Ring Down Spectroscopy between 5850 and 7000 cm⁻¹: new observations and exhaustive review.

A. Campargue, A. Barbe, M.-R. De Backer-Barilly, Vl. G. Tyuterev, and S. Kassì

It includes the seven following line lists

5867cm-1hotband_corrected_transitions_421-010.txt
 5919cm-1_corrected_transitions_133.txt
 5947cm-1_corrected_transitions_411.txt
 6568cm-1_corrected_transitions_421.txt
 6597cm-1_corrected_transitions_205.txt
 6982cm-1_corrected_transitions_511.txt
 6990cm-1_corrected_transitions_233.txt

5867cm-1hotband_corrected_transitions_421-010.txt

CORRECTED CALCULATED LINES (421-010)
 with corrected upper energies

Fcalc/Fobs	Icalc	v	J Ka Kc	v	J Ka Kc	Elower
5810.76801	0.115E-27	421	34 1 34 010 35 1 35		1208.4749	
5815.58228	0.143E-27	421	32 1 32 010 33 1 33		1153.6160	
5816.82471	0.151E-27	421	30 3 28 010 31 3 29		1144.9772	
5817.72310	0.147E-27	421	29 4 25 010 30 4 26		1142.3023	
5818.37003	0.163E-27	421	30 2 29 010 31 2 30		1124.2396	
5820.08906	0.161E-27	421	28 4 25 010 29 4 26		1116.6328	
5820.20273	0.174E-27	421	30 1 30 010 31 1 31		1101.8821	
5820.72309	0.149E-27	421	27 5 22 010 28 5 23		1120.6128	
5821.42845	0.182E-27	421	28 3 26 010 29 3 27		1094.0036	
5822.27751	0.175E-27	421	27 4 23 010 28 4 24		1092.5676	
5822.44934	0.189E-27	421	29 0 29 010 30 0 30		1077.1044	
5822.89382	0.197E-27	421	28 2 27 010 29 2 28		1074.1795	
5823.25415	0.195E-27	421	27 3 24 010 28 3 25		1072.4692	
5824.53367	0.190E-27	421	26 4 23 010 27 4 24		1068.7742	
5824.61357	0.207E-27	421	28 1 28 010 29 1 29		1053.2765	
5825.09341	0.174E-27	421	25 5 20 010 26 5 21		1074.4869	
5825.82374	0.215E-27	421	26 3 24 010 27 3 25		1046.3223	
5826.64439	0.204E-27	421	25 4 21 010 26 4 22		1046.2699	
5826.76707	0.223E-27	421	27 0 27 010 28 0 28		1030.0242	
5827.17613	0.233E-27	421	26 2 25 010 27 2 26		1027.3044	
5827.18183	0.186E-27	421	24 5 20 010 25 5 21		1052.6832	
5827.25104	0.161E-27	421	23 6 17 010 24 6 18		1066.5390	
5828.13518	0.245E-27	421	25 2 23 010 26 2 24		1013.1462	
5828.76911	0.219E-27	421	24 4 21 010 25 4 22		1024.2837	
5828.81679	0.243E-27	421	26 1 26 010 27 1 27		1007.8033	
5829.23759	0.197E-27	421	23 5 18 010 24 5 19		1031.7312	
5829.25180	0.170E-27	421	22 6 17 010 23 6 18		1046.4423	
5830.01392	0.248E-27	421	24 3 22 010 25 3 23		1001.9490	
5830.78963	0.233E-27	421	23 4 19 010 24 4 20		1003.3897	
5830.87386	0.257E-27	421	25 0 25 010 26 0 26		986.0609	
5831.19935	0.177E-27	421	21 6 15 010 22 6 16		1027.1843	
5831.20696	0.208E-27	421	22 5 18 010 23 5 19		1011.6137	
5831.25875	0.270E-27	421	24 2 23 010 25 2 24		983.6291	
5831.82492	0.260E-27	421	23 3 20 010 24 3 21		982.2307	
5832.31499	0.281E-27	421	23 2 21 010 24 2 22		969.4004	
5832.56192	0.147E-27	421	19 7 12 010 20 7 13		1032.3570	
5832.79479	0.246E-27	421	22 4 19 010 23 4 20		983.1629	
5832.81625	0.279E-27	421	24 1 24 010 25 1 25		965.4669	
5833.09200	0.184E-27	421	20 6 15 010 21 6 16		1008.7648	
5833.17247	0.218E-27	421	21 5 16 010 22 5 17		992.3416	
5834.00700	0.279E-27	421	22 3 20 010 23 3 21		960.8980	
5834.34736	0.150E-27	421	18 7 12 010 19 7 13		1015.6195	
5834.71840	0.129E-27	421	21 4 17 010 22 4 18		963.9109	
5834.78699	0.290E-27	421	23 0 23 010 24 0 24		945.2129	
5834.93672	0.190E-27	421	19 6 13 010 20 6 14		991.1836	
5835.07045	0.227E-27	421	20 5 16 010 21 5 17		973.9071	
5835.14813	0.305E-27	421	22 2 21 010 23 2 22		943.1692	
5835.77821	0.291E-27	421	21 3 18 010 22 3 19		942.3836	

5836.08786	0.151E-27	421	17	7	10	010	18	7	11	999.7192
5836.30412	0.271E-27	421	21	2	19	010	22	2	20	929.0659
5836.60803	0.269E-27	421	20	4	17	010	21	4	18	945.4119
5836.62544	0.313E-27	421	22	1	22	010	23	1	23	926.2728
5836.72970	0.194E-27	421	18	6	13	010	19	6	14	974.4405
5836.90051	0.235E-27	421	19	5	14	010	20	5	15	956.3147
5837.77666	0.150E-27	421	16	7	10	010	17	7	11	984.6560
5837.79591	0.307E-27	421	20	3	18	010	21	3	19	923.1814
5838.43641	0.279E-27	421	19	4	15	010	20	4	16	927.8209
5838.47266	0.197E-27	421	17	6	11	010	18	6	12	958.5354
5838.48966	0.319E-27	421	21	0	21	010	22	0	22	907.4781
5838.69096	0.241E-27	421	18	5	14	010	19	5	15	939.5609
5838.85158	0.336E-27	421	20	2	19	010	21	2	20	905.9408
5839.42220	0.148E-27	421	15	7	8	010	16	7	9	970.4299
5839.51509	0.316E-27	421	19	3	16	010	20	3	17	906.0238
5840.01974	0.344E-27	421	19	2	17	010	20	2	18	892.1746
5840.16494	0.197E-27	421	16	6	11	010	17	6	12	943.4683
5840.21598	0.345E-27	421	20	1	20	010	21	1	21	890.2270
5840.21985	0.287E-27	421	18	4	15	010	19	4	16	911.0293
5840.31337	0.318E-27	421	19	1	18	010	20	1	19	883.7440
5840.42786	0.245E-27	421	17	5	12	010	18	5	13	923.6474
5841.01791	0.144E-27	421	14	7	8	010	15	7	9	957.0408
5841.38099	0.328E-27	421	18	3	16	010	19	3	17	888.8089
5841.80465	0.196E-27	421	15	6	9	010	16	6	10	929.2389
5841.94556	0.293E-27	421	17	4	13	010	18	4	14	895.1097
5842.00487	0.342E-27	421	19	0	19	010	20	0	20	872.8549
5842.10841	0.247E-27	421	16	5	12	010	17	5	13	908.5728
5842.36256	0.360E-27	421	18	2	17	010	19	2	18	871.9601
5842.56284	0.137E-27	421	13	7	6	010	14	7	7	944.4887
5843.03567	0.334E-27	421	17	3	14	010	18	3	15	873.1248
5843.39152	0.192E-27	421	14	6	9	010	15	6	10	915.8471
5843.57242	0.365E-27	421	17	2	15	010	18	2	16	858.7523
5843.61415	0.371E-27	421	18	1	18	010	19	1	19	857.3370
5843.62271	0.296E-27	421	16	4	13	010	17	4	14	880.0128
5843.74025	0.247E-27	421	15	5	10	010	16	5	11	894.3373
5843.90938	0.366E-27	421	17	1	16	010	18	1	17	850.6339
5844.05411	0.128E-27	421	12	7	6	010	13	7	7	932.7735
5844.76062	0.340E-27	421	16	3	14	010	17	3	15	857.7878
5844.93246	0.185E-27	421	13	6	7	010	14	6	8	903.2928
5845.24820	0.297E-27	421	15	4	11	010	16	4	12	865.7697
5845.32110	0.243E-27	421	14	5	10	010	15	5	11	880.9405
5845.32404	0.355E-27	421	17	0	17	010	18	0	18	841.3435
5845.49725	0.116E-27	421	11	7	4	010	12	7	5	921.8952
5845.68227	0.374E-27	421	16	2	15	010	17	2	16	841.2429
5846.34261	0.341E-27	421	15	3	12	010	16	3	13	843.6604
5846.41978	0.176E-27	421	12	6	7	010	13	6	8	891.5760
5846.81039	0.389E-27	421	16	1	16	010	17	1	17	827.6113
5846.82391	0.295E-27	421	14	4	11	010	15	4	12	852.3597
5846.85329	0.237E-27	421	13	5	8	010	14	5	9	868.3822
5846.89109	0.100E-27	421	10	7	4	010	11	7	5	911.8539
5846.91845	0.375E-27	421	15	2	13	010	16	2	14	828.8169
5847.25416	0.388E-27	421	15	1	14	010	16	1	15	820.8159
5847.85587	0.163E-27	421	11	6	5	010	12	6	6	880.6965
5847.94535	0.341E-27	421	14	3	12	010	15	3	13	830.1228
5848.33097	0.228E-27	421	12	5	8	010	13	5	9	856.6621
5848.35025	0.289E-27	421	13	4	9	010	14	4	10	839.7948
5848.45656	0.355E-27	421	15	0	15	010	16	0	16	812.9482
5848.81677	0.377E-27	421	14	2	13	010	15	2	14	813.8042
5849.24722	0.147E-27	421	10	6	5	010	11	6	6	870.6543
5849.44891	0.336E-27	421	13	3	10	010	14	3	11	817.6072
5849.76329	0.216E-27	421	11	5	6	010	12	5	7	845.7801
5849.82178	0.281E-27	421	12	4	9	010	13	4	10	828.0669
5849.83230	0.395E-27	421	14	1	14	010	15	1	15	801.0593
5850.06159	0.372E-27	421	13	2	11	010	14	2	12	802.3755
5850.38450	0.390E-27	421	13	1	12	010	14	1	13	794.3275
5850.58172	0.128E-27	421	9	6	3	010	10	6	4	861.4492
5850.93096	0.328E-27	421	12	3	10	010	13	3	11	805.8162
5851.13868	0.199E-27	421	10	5	6	010	11	5	7	835.7359
5851.41867	0.336E-27	421	13	0	13	010	14	0	14	787.6812
5851.76228	0.366E-27	421	12	2	11	010	13	2	12	789.6580
5851.86624	0.104E-27	421	8	6	3	010	9	6	4	853.0812
5852.34263	0.317E-27	421	11	3	8	010	12	3	9	794.9461

5852.47301	0.179E-27	421	9	5	4	010	10	5	5	826.5294
5852.62223	0.252E-27	421	10	4	7	010	11	4	8	807.1315
5852.66763	0.388E-27	421	12	1	12	010	13	1	13	777.6914
5852.99988	0.355E-27	421	11	2	9	010	12	2	10	779.4230
5853.26936	0.376E-27	421	11	1	10	010	12	1	11	771.2002
5853.71988	0.301E-27	421	10	3	8	010	11	3	9	784.8686
5853.75365	0.155E-27	421	8	5	4	010	9	5	5	818.1604
5853.77027	0.176E-27	421	9	8	1	010	9	8	2	941.7270
5853.94446	0.233E-27	421	9	4	5	010	10	4	6	797.9219
5854.22341	0.289E-27	421	11	0	11	010	12	0	12	765.5641
5854.22399	0.204E-27	421	8	8	1	010	8	8	0	934.1962
5854.27801	0.100E-27	421	13	7	6	010	13	7	7	932.7735
5854.52085	0.340E-27	421	10	2	9	010	11	2	10	768.8169
5854.93235	0.115E-27	421	12	7	6	010	12	7	5	921.8952
5854.98395	0.126E-27	421	7	5	2	010	8	5	3	810.6287
5855.03945	0.282E-27	421	9	3	6	010	10	3	7	775.6622
5855.21957	0.208E-27	421	8	4	5	010	9	4	6	789.5505
5855.32709	0.364E-27	421	10	1	10	010	11	1	11	757.5184
5855.53859	0.131E-27	421	11	7	4	010	11	7	5	911.8539
5855.72910	0.321E-27	421	9	2	7	010	10	2	8	759.9420
5855.99041	0.345E-27	421	9	1	8	010	10	1	9	751.4599
5856.09556	0.150E-27	421	10	7	4	010	10	7	3	902.6494
5856.31389	0.258E-27	421	8	3	6	010	9	3	7	767.2787
5856.44828	0.180E-27	421	7	4	3	010	8	4	4	782.0172
5856.60368	0.173E-27	421	9	7	2	010	9	7	3	894.2818
5856.90302	0.198E-27	421	9	0	9	010	10	0	10	746.6282
5857.05788	0.201E-27	421	8	7	2	010	8	7	1	886.7510
5857.09094	0.299E-27	421	8	2	7	010	9	2	8	751.2922
5857.29927	0.105E-27	421	12	6	7	010	12	6	6	880.6965
5857.45367	0.236E-27	421	7	7	0	010	7	7	1	880.0570
5857.62418	0.146E-27	421	6	4	3	010	7	4	4	775.3216
5857.80649	0.325E-27	421	8	1	8	010	9	1	9	740.5513
5857.89812	0.120E-27	421	11	6	5	010	11	6	6	870.6543
5858.25121	0.272E-27	421	7	2	5	010	8	2	6	743.9064
5858.45232	0.137E-27	421	10	6	5	010	10	6	4	861.4492
5858.52584	0.297E-27	421	7	1	6	010	8	1	7	735.1268
5858.71110	0.198E-27	421	6	3	4	010	7	3	5	753.0443
5858.73702	0.228E-27	421	7	0	7	010	8	0	8	730.9113
5858.75318	0.106E-27	421	5	4	1	010	6	4	2	769.4635
5858.94974	0.158E-27	421	9	6	3	010	9	6	4	853.0812
5859.39726	0.184E-27	421	8	6	3	010	8	6	2	845.5501
5859.47295	0.241E-27	421	6	2	5	010	7	2	6	737.0931
5859.79494	0.216E-27	421	7	6	1	010	7	6	2	838.8561
5859.83863	0.160E-27	421	5	3	2	010	6	3	3	747.1850
5860.11582	0.269E-27	421	6	1	6	010	7	1	7	726.8005
5860.14463	0.256E-27	421	6	6	1	010	6	6	0	832.9989
5860.34521	0.114E-27	421	10	5	6	010	10	5	5	826.5294
5860.56740	0.205E-27	421	5	2	3	010	6	2	4	731.2869
5860.84205	0.132E-27	421	9	5	4	010	9	5	5	818.1604
5860.86789	0.235E-27	421	5	1	4	010	6	1	5	722.2164
5860.91400	0.117E-27	421	4	3	2	010	5	3	3	742.1627
5861.11898	0.227E-27	421	5	0	5	010	6	0	6	718.4523
5861.28535	0.153E-27	421	8	5	4	010	8	5	3	810.6287
5861.66207	0.166E-27	421	4	2	3	010	5	2	4	726.2276
5861.67844	0.179E-27	421	7	5	2	010	7	5	3	803.9342
5862.02286	0.213E-27	421	6	5	2	010	6	5	1	798.0767
5862.32100	0.259E-27	421	5	5	0	010	5	5	1	793.0563
5862.75288	0.113E-27	421	8	4	5	010	8	4	4	782.0172
5863.14388	0.133E-27	421	7	4	3	010	7	4	4	775.3216
5863.25199	0.168E-27	421	3	0	3	010	4	0	4	709.2861
5863.48228	0.158E-27	421	6	4	3	010	6	4	2	769.4635
5863.77401	0.192E-27	421	5	4	1	010	5	4	2	764.4427
5864.01646	0.240E-27	421	4	4	1	010	4	4	0	760.2589
5864.74306	0.105E-27	421	11	7	4	010	10	7	3	902.6494
5864.86090	0.121E-27	421	5	3	2	010	5	3	3	742.1627
5864.97369	0.122E-27	421	12	7	6	010	11	7	5	911.8539
5865.09830	0.151E-27	421	4	3	2	010	4	3	1	737.9784
5865.15625	0.135E-27	421	13	7	6	010	12	7	5	921.8952
5865.19966	0.162E-27	421	19	7	12	010	18	7	11	999.7192
5865.28521	0.145E-27	421	14	7	8	010	13	7	7	932.7735
5865.28962	0.199E-27	421	3	3	0	010	3	3	1	734.6313
5865.31086	0.163E-27	421	18	7	12	010	17	7	11	984.6560

5865.36344	0.153E-27	421	15	7	8	010	14	7	7	944.4887
5865.37720	0.162E-27	421	17	7	10	010	16	7	9	970.4299
5865.39192	0.158E-27	421	16	7	10	010	15	7	9	957.0408
5865.62688	0.147E-27	421	34	1	34	010	33	1	33	1153.6160
5866.17818	0.138E-27	421	2	2	1	010	2	2	0	716.1928
5866.48076	0.108E-27	421	9	6	3	010	8	6	2	845.5501
5866.60565	0.187E-27	421	23	6	17	010	22	6	16	1027.1843
5866.82034	0.133E-27	421	10	6	5	010	9	6	4	853.0812
5866.84901	0.181E-27	421	27	5	22	010	26	5	21	1074.4869
5866.92930	0.195E-27	421	22	6	17	010	21	6	16	1008.7648
5867.10322	0.154E-27	421	11	6	5	010	10	6	4	861.4492
5867.20012	0.201E-27	421	21	6	15	010	20	6	14	991.1836
5867.31623	0.179E-27	421	32	1	32	010	31	1	31	1101.8821
5867.34152	0.172E-27	421	12	6	7	010	11	6	6	870.6543
5867.41630	0.207E-27	421	20	6	15	010	19	6	14	974.4405
5867.45781	0.182E-27	421	29	4	25	010	28	4	24	1092.5676
5867.52877	0.186E-27	421	13	6	7	010	12	6	6	880.6965
5867.58486	0.210E-27	421	19	6	13	010	18	6	12	958.5354
5867.66258	0.196E-27	421	14	6	9	010	13	6	8	891.5760
5867.70194	0.212E-27	421	18	6	13	010	17	6	12	943.4683
5867.75066	0.204E-27	421	15	6	9	010	14	6	8	903.2928
5867.76925	0.212E-27	421	17	6	11	010	16	6	10	929.2389
5867.78612	0.209E-27	421	16	6	11	010	15	6	10	915.8471
5867.79825	0.188E-27	421	30	3	28	010	29	3	27	1094.0036
5867.84909	0.206E-27	421	25	5	20	010	24	5	19	1031.7312
5867.94767	0.197E-27	421	28	4	25	010	27	4	24	1068.7742
5867.97984	0.131E-27	421	8	5	4	010	7	5	3	803.9342
5868.25126	0.218E-27	421	24	5	20	010	23	5	19	1011.6137
5868.37375	0.161E-27	421	9	5	4	010	8	5	3	810.6287
5868.43012	0.202E-27	421	30	2	29	010	29	2	28	1074.1795
5868.50311	0.109E-27	421	6	4	3	010	5	4	2	764.4427
5868.57519	0.213E-27	421	27	4	23	010	26	4	22	1046.2699
5868.62717	0.230E-27	421	23	5	18	010	22	5	17	992.3416
5868.71425	0.187E-27	421	10	5	6	010	9	5	5	818.1604
5868.80827	0.215E-27	421	30	1	30	010	29	1	29	1053.2765
5868.91355	0.240E-27	421	22	5	18	010	21	5	17	973.9071
5869.00198	0.150E-27	421	7	4	3	010	6	4	2	769.4635
5869.01401	0.209E-27	421	11	5	6	010	10	5	5	826.5294
5869.02421	0.228E-27	421	26	4	23	010	25	4	22	1024.2837
5869.04520	0.119E-27	421	5	3	2	010	4	3	1	737.9784
5869.09830	0.130E-27	421	3	0	3	010	2	0	2	703.4398
5869.10984	0.223E-27	421	28	3	26	010	27	3	25	1046.3223
5869.18813	0.123E-27	421	4	2	3	010	3	2	2	718.7016
5869.19941	0.249E-27	421	21	5	16	010	20	5	15	956.3147
5869.25718	0.227E-27	421	12	5	8	010	11	5	7	835.7359
5869.41666	0.256E-27	421	20	5	16	010	19	5	15	939.5609
5869.44848	0.186E-27	421	8	4	5	010	7	4	4	775.3216
5869.45539	0.241E-27	421	13	5	8	010	12	5	7	845.7801
5869.52463	0.243E-27	421	25	4	21	010	24	4	20	1003.3897
5869.52947	0.232E-27	421	29	0	29	010	28	0	28	1030.0242
5869.56776	0.261E-27	421	19	5	14	010	18	5	13	923.6474
5869.59270	0.165E-27	421	6	3	4	010	5	3	3	742.1627
5869.59947	0.252E-27	421	14	5	10	010	13	5	9	856.6621
5869.67911	0.265E-27	421	18	5	14	010	17	5	13	908.5728
5869.69539	0.259E-27	421	15	5	10	010	14	5	9	868.3822
5869.73795	0.265E-27	421	17	5	12	010	16	5	11	894.3373
5869.74070	0.264E-27	421	16	5	12	010	15	5	11	880.9405
5869.76893	0.240E-27	421	28	2	27	010	27	2	26	1027.3044
5869.79806	0.170E-27	421	5	2	3	010	4	2	2	722.0562
5869.84918	0.217E-27	421	9	4	5	010	8	4	4	782.0172
5869.88989	0.258E-27	421	24	4	21	010	23	4	20	983.1629
5870.08679	0.252E-27	421	28	1	28	010	27	1	27	1007.8033
5870.13554	0.238E-27	421	27	3	24	010	26	3	23	1025.5878
5870.19702	0.258E-27	421	26	3	24	010	25	3	23	1001.9490
5870.20317	0.243E-27	421	10	4	7	010	9	4	6	789.5505
5870.26840	0.271E-27	421	23	4	19	010	22	4	18	963.9109
5870.28519	0.198E-27	421	5	0	5	010	4	0	4	709.2861
5870.33847	0.211E-27	421	6	2	5	010	5	2	4	726.2276
5870.34400	0.203E-27	421	5	1	4	010	4	1	3	712.7403
5870.54583	0.284E-27	421	22	4	19	010	21	4	18	945.4119
5870.54830	0.238E-27	421	8	3	6	010	7	3	5	753.0443
5870.64105	0.241E-27	421	6	1	6	010	5	1	5	716.2752

5870.73036	0.268E-27	421	27	0	27	010	26	0	26	986.0609
5870.75723	0.283E-27	421	12	4	9	010	11	4	8	807.1315
5870.80841	0.147E-27	421	21	4	17	010	20	4	16	927.8209
5870.85145	0.280E-27	421	26	2	25	010	25	2	24	983.6291
5870.87070	0.248E-27	421	7	2	5	010	6	2	4	731.2869
5870.95718	0.268E-27	421	9	3	6	010	8	3	5	759.7444
5870.96490	0.297E-27	421	13	4	9	010	12	4	8	817.1801
5870.99065	0.304E-27	421	20	4	17	010	19	4	16	911.0293
5871.06490	0.292E-27	421	24	3	22	010	23	3	21	960.8980
5871.11668	0.307E-27	421	14	4	11	010	13	4	10	828.0669
5871.14756	0.311E-27	421	19	4	15	010	18	4	14	895.1097
5871.15315	0.289E-27	421	26	1	26	010	25	1	25	965.4669
5871.19598	0.212E-27	421	7	0	7	010	6	0	6	718.4523
5871.22315	0.314E-27	421	15	4	11	010	14	4	10	839.7948
5871.23631	0.316E-27	421	18	4	15	010	17	4	14	880.0128
5871.27581	0.318E-27	421	16	4	13	010	15	4	12	852.3597
5871.28560	0.318E-27	421	17	4	13	010	16	4	12	865.7697
5871.28995	0.281E-27	421	8	2	7	010	7	2	6	737.0931
5871.30979	0.294E-27	421	10	3	8	010	9	3	7	767.2787
5871.43619	0.276E-27	421	7	1	6	010	6	1	5	722.2164
5871.55732	0.308E-27	421	8	1	8	010	7	1	7	726.8005
5871.62655	0.316E-27	421	11	3	8	010	10	3	7	775.6622
5871.67201	0.304E-27	421	23	3	20	010	22	3	19	942.3836
5871.71863	0.317E-27	421	24	2	23	010	23	2	22	943.1692
5871.72189	0.304E-27	421	25	0	25	010	24	0	24	945.2129
5871.72361	0.322E-27	421	22	3	20	010	21	3	19	923.1814
5871.76471	0.310E-27	421	9	2	7	010	8	2	6	743.9064
5871.87858	0.333E-27	421	12	3	10	010	11	3	9	784.8686
5871.88099	0.293E-27	421	25	2	23	010	24	2	22	969.4004
5872.01044	0.326E-27	421	24	1	24	010	23	1	23	926.2728
5872.04564	0.336E-27	421	10	2	9	010	9	2	8	751.2922
5872.11003	0.347E-27	421	13	3	10	010	12	3	9	794.9461
5872.13799	0.332E-27	421	21	3	18	010	20	3	17	906.0238
5872.16839	0.346E-27	421	20	3	18	010	19	3	17	888.8089
5872.25187	0.357E-27	421	14	3	12	010	13	3	11	805.8162
5872.29419	0.360E-27	421	10	1	10	010	9	1	9	740.5513
5872.32354	0.336E-27	421	9	1	8	010	8	1	7	735.1268
5872.37648	0.351E-27	421	22	2	21	010	21	2	20	905.9408
5872.39581	0.363E-27	421	15	3	12	010	14	3	11	817.6072
5872.40212	0.362E-27	421	18	3	16	010	17	3	15	857.7878
5872.41407	0.354E-27	421	19	3	16	010	18	3	15	873.1248
5872.42565	0.366E-27	421	16	3	14	010	15	3	13	830.1228
5872.48090	0.356E-27	421	11	2	9	010	10	2	8	759.9420
5872.50011	0.364E-27	421	17	3	14	010	16	3	13	843.6604
5872.52176	0.336E-27	421	23	0	23	010	22	0	22	907.4781
5872.60335	0.374E-27	421	12	2	11	010	11	2	10	768.8169
5872.61992	0.193E-27	421	9	0	9	010	8	0	8	730.9113
5872.64952	0.330E-27	421	23	2	21	010	22	2	20	929.0659
5872.67118	0.359E-27	421	22	1	22	010	21	1	21	890.2270
5872.83226	0.379E-27	421	20	2	19	010	19	2	18	871.9601
5872.84059	0.396E-27	421	12	1	12	010	11	1	11	757.5184
5872.96299	0.396E-27	421	14	2	13	010	13	2	12	789.6580
5873.00971	0.380E-27	421	11	1	10	010	10	1	9	751.4599
5873.01408	0.386E-27	421	13	2	11	010	12	2	10	779.4230
5873.07977	0.397E-27	421	18	2	17	010	17	2	16	841.2429
5873.10595	0.387E-27	421	20	1	20	010	19	1	19	857.3370
5873.11287	0.363E-27	421	21	0	21	010	20	0	20	872.8549
5873.12097	0.404E-27	421	16	2	15	010	15	2	14	813.8042
5873.15932	0.292E-27	421	11	0	11	010	10	0	10	746.6282
5873.19544	0.312E-27	421	21	2	19	010	20	2	18	892.1746
5873.20023	0.414E-27	421	14	1	14	010	13	1	13	777.6914
5873.33989	0.408E-27	421	18	1	18	010	17	1	17	827.6113
5873.35979	0.401E-27	421	15	2	13	010	14	2	12	802.3755
5873.36240	0.418E-27	421	16	1	16	010	15	1	15	801.0593
5873.42348	0.357E-27	421	19	1	18	010	18	1	17	850.6339
5873.44202	0.385E-27	421	19	2	17	010	18	2	16	858.7523
5873.50785	0.400E-27	421	17	2	15	010	16	2	14	828.8169
5873.51176	0.406E-27	421	13	1	12	010	12	1	11	771.2002
5873.51635	0.381E-27	421	19	0	19	010	18	0	18	841.3435
5873.53581	0.349E-27	421	13	0	13	010	12	0	12	765.5641
5873.71926	0.387E-27	421	17	0	17	010	16	0	16	812.9482
5873.72357	0.378E-27	421	15	0	15	010	14	0	14	787.6812

5873.72736	0.401E-27	421	17	1	16	010	16	1	15	820.8159
5873.74260	0.415E-27	421	15	1	14	010	14	1	13	794.3275

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CORRECTED CALCULATED LINES (133)
with corrected upper energies

Fcalc/Fobs	Icalc	v	J	Ka	Kc	v	J	Ka	Kc	Elower
5859.60800	0.572E-26	133	35	0	35	000	36	0	36	538.93747
5860.09500	0.507E-26	133	35	1	34	000	36	1	35	563.99400
5860.42414	0.458E-26	133	35	2	33	000	36	2	34	582.60588
5860.65455	0.423E-26	133	35	3	32	000	36	3	33	595.84930
5861.02000	0.396E-26	133	35	4	31	000	36	4	32	612.83680
5862.10882	0.634E-26	133	34	1	34	000	35	1	35	510.20254
5862.26969	0.324E-26	133	35	6	29	000	36	6	30	672.64414
5862.58300	0.564E-26	133	34	2	33	000	35	2	34	535.10314
5862.99951	0.509E-26	133	34	3	32	000	35	3	33	557.54515
5863.05400	0.276E-26	133	35	7	28	000	36	7	29	712.82219
5863.46035	0.462E-26	133	34	4	31	000	35	4	32	580.76423
5864.00739	0.414E-26	133	34	5	30	000	35	5	31	608.46862
5864.55922	0.701E-26	133	33	0	33	000	34	0	34	482.19101
5864.69892	0.361E-26	133	34	6	29	000	35	6	30	642.33561
5864.96410	0.626E-26	133	33	1	32	000	34	1	33	505.50649
5865.21514	0.571E-26	133	33	2	31	000	34	2	32	522.19916
5865.43500	0.537E-26	133	33	3	30	000	34	3	31	534.74912
5865.81296	0.487E-26	133	33	4	29	000	34	4	30	552.41747
5866.40800	0.458E-26	133	33	5	28	000	34	5	29	579.06128
5866.96210	0.771E-26	133	32	1	32	000	33	1	33	455.03919
5867.08800	0.403E-26	133	33	6	27	000	34	6	28	612.88451
5867.36737	0.690E-26	133	32	2	31	000	33	2	32	478.43898
5867.74186	0.626E-26	133	32	3	30	000	33	3	31	499.79017
5867.87076	0.343E-26	133	33	7	26	000	34	7	27	653.13320
5868.18900	0.570E-26	133	32	4	29	000	33	4	30	522.59392
5868.73400	0.510E-26	133	32	5	28	000	33	5	29	550.31339
5869.31445	0.843E-26	133	31	0	31	000	32	0	32	428.58045
5869.42800	0.446E-26	133	32	6	27	000	33	6	28	584.26845
5869.63681	0.758E-26	133	31	1	30	000	32	1	31	450.11768
5869.81782	0.698E-26	133	31	2	29	000	32	2	30	464.99944
5870.03800	0.663E-26	133	31	3	28	000	32	3	29	477.12347
5870.20500	0.379E-26	133	32	7	26	000	33	7	27	624.55071
5870.41504	0.503E-26	133	31	4	27	000	32	4	28	495.51739
5871.04931	0.560E-26	133	31	5	26	000	32	5	27	522.55763
5871.62608	0.918E-26	133	30	1	30	000	31	1	31	403.01939
5871.72553	0.491E-26	133	31	6	25	000	32	6	26	556.50290
5871.96400	0.828E-26	133	30	2	29	000	31	2	30	424.95173
5872.30100	0.756E-26	133	30	3	28	000	31	3	29	445.30790
5872.50700	0.417E-26	133	31	7	24	000	32	7	25	596.80972
5872.73717	0.689E-26	133	30	4	27	000	31	4	28	467.78726
5873.28853	0.616E-26	133	30	5	26	000	31	5	27	495.54373
5873.88013	0.995E-26	133	29	0	29	000	30	0	30	378.10635
5873.98047	0.538E-26	133	30	6	25	000	31	6	26	529.57659
5874.11689	0.902E-26	133	29	1	28	000	30	1	29	397.82829
5874.20532	0.721E-26	133	29	2	27	000	30	2	28	411.05508
5874.47100	0.799E-26	133	29	3	26	000	30	3	27	423.00335
5874.76200	0.457E-26	133	30	7	24	000	31	7	25	569.90985
5874.97645	0.625E-26	133	29	4	25	000	30	4	26	442.11247
5875.51200	0.671E-26	133	29	5	24	000	30	5	25	469.45625
5876.09702	0.107E-25	133	28	1	28	000	29	1	29	354.14656
5876.18686	0.586E-26	133	29	6	23	000	30	6	24	503.49696
5876.37400	0.974E-26	133	28	2	27	000	29	2	28	374.65355
5876.67740	0.893E-26	133	28	3	26	000	29	3	27	394.11619
5876.97005	0.497E-26	133	29	7	22	000	30	7	23	543.85126
5877.11300	0.815E-26	133	28	4	25	000	29	4	26	416.35260
5877.68200	0.728E-26	133	28	5	24	000	29	5	25	444.15880
5878.25042	0.115E-25	133	27	0	27	000	28	0	28	330.76862
5878.35428	0.635E-26	133	28	6	23	000	29	6	24	478.25854
5878.39678	0.105E-25	133	27	1	26	000	28	1	27	348.64507
5878.47618	0.987E-26	133	27	2	25	000	28	2	26	360.41372
5878.73805	0.943E-26	133	27	3	24	000	28	3	25	372.41035

5879.13624	0.538E-26	133	28	7	22	000	29	7	23	518.63375
5879.23074	0.864E-26	133	27	4	23	000	28	4	24	392.17838
5879.79637	0.785E-26	133	27	5	22	000	28	5	23	419.74946
5880.37500	0.123E-25	133	26	1	26	000	27	1	27	308.42459
5880.47500	0.684E-26	133	27	6	21	000	28	6	22	453.86469
5880.59246	0.112E-25	133	26	2	25	000	27	2	26	327.55792
5881.25326	0.578E-26	133	27	7	20	000	28	7	21	494.25736
5881.30486	0.944E-26	133	26	4	23	000	27	4	24	368.29586
5881.87240	0.840E-26	133	26	5	22	000	27	5	23	396.15706
5882.42489	0.131E-25	133	25	0	25	000	26	0	26	286.56646
5882.48707	0.120E-25	133	25	1	24	000	26	1	25	302.58362
5882.54176	0.114E-25	133	25	2	23	000	26	2	24	313.12008
5882.83750	0.109E-25	133	25	3	22	000	26	3	23	325.35445
5883.33020	0.618E-26	133	26	7	20	000	27	7	21	470.72199
5883.90036	0.898E-26	133	25	5	20	000	26	5	21	373.43119
5884.45692	0.138E-25	133	24	1	24	000	25	1	25	265.85794
5884.58001	0.779E-26	133	25	6	19	000	26	6	20	407.60433
5884.62388	0.127E-25	133	24	2	23	000	25	2	24	283.67938
5885.36104	0.657E-26	133	25	7	18	000	26	7	19	448.02762
5886.38364	0.135E-25	133	23	1	22	000	24	1	23	259.66969
5886.40399	0.145E-25	133	23	0	23	000	24	0	24	245.49835
5886.56774	0.824E-26	133	24	6	19	000	25	6	20	385.73801
5886.76475	0.122E-25	133	23	3	20	000	24	3	21	281.83295
5887.34880	0.694E-26	133	24	7	18	000	25	7	19	426.17419
5888.34765	0.151E-25	133	22	1	22	000	23	1	23	226.45186
5888.46910	0.140E-25	133	22	2	21	000	23	2	22	243.03326
5888.51000	0.867E-26	133	23	6	17	000	24	6	18	364.71434
5889.11919	0.450E-26	133	24	9	16	000	25	9	17	525.52717
5889.16739	0.118E-25	133	22	4	19	000	23	4	20	282.32885
5889.28947	0.728E-26	133	23	7	16	000	24	7	17	405.16166
5889.72676	0.104E-25	133	22	5	18	000	23	5	19	310.29473
5890.09341	0.147E-25	133	21	1	20	000	22	1	21	219.93833
5890.14908	0.141E-25	133	21	2	19	000	22	2	20	228.73417
5890.18031	0.594E-26	133	23	8	15	000	24	8	16	451.78111
5890.18446	0.157E-25	133	21	0	21	000	22	0	22	207.56234
5890.40605	0.905E-26	133	22	6	17	000	23	6	18	344.53275
5890.51877	0.134E-25	133	21	3	18	000	22	3	19	241.83170
5891.00789	0.123E-25	133	21	4	17	000	22	4	18	262.99506
5891.18605	0.759E-26	133	22	7	16	000	23	7	17	384.98999
5891.57930	0.109E-25	133	21	5	16	000	22	5	17	290.94154
5892.04459	0.162E-25	133	20	1	20	000	21	1	21	190.21251
5892.07240	0.617E-26	133	22	8	15	000	23	8	16	431.61525
5892.12713	0.151E-25	133	20	2	19	000	21	2	20	205.63536
5892.25773	0.939E-26	133	21	6	15	000	22	6	16	325.19334
5892.38513	0.140E-25	133	20	3	18	000	21	3	19	222.57162
5892.57822	0.168E-27	133	35	6	29	000	35	6	30	642.33561
5892.82140	0.127E-25	133	20	4	17	000	21	4	18	244.42024
5893.03857	0.785E-26	133	21	7	14	000	22	7	15	365.65913
5893.31943	0.200E-27	133	35	7	28	000	35	7	29	682.55676
5893.38691	0.112E-25	133	20	5	16	000	21	5	17	272.42949
5893.41473	0.153E-27	133	34	5	30	000	34	5	29	579.06128
5893.62324	0.158E-25	133	19	1	18	000	20	1	19	183.43074
5893.70202	0.152E-25	133	19	2	17	000	20	2	18	191.70925
5893.76718	0.167E-25	133	19	0	19	000	20	0	20	172.75680
5893.92189	0.637E-26	133	21	8	13	000	22	8	14	412.28942
5894.06318	0.966E-26	133	20	6	15	000	21	6	16	306.69580
5894.09690	0.143E-25	133	19	3	16	000	20	3	17	205.32847
5894.15002	0.199E-27	133	34	6	29	000	34	6	28	612.88451
5894.58104	0.130E-25	133	19	4	15	000	20	4	16	226.75495
5894.60555	0.104E-27	133	30	3	28	000	30	3	27	423.00335
5894.82213	0.500E-26	133	21	9	12	000	22	9	13	465.04012
5894.84501	0.806E-26	133	20	7	14	000	21	7	15	347.16904
5895.14767	0.115E-25	133	19	5	14	000	20	5	15	254.76284
5895.15589	0.180E-27	133	33	5	28	000	33	5	29	550.31339
5895.26553	0.143E-27	133	32	4	29	000	32	4	28	495.51739
5895.54684	0.170E-25	133	18	1	18	000	19	1	19	157.14710
5895.59263	0.158E-25	133	18	2	17	000	19	2	18	171.50149
5895.63651	0.117E-27	133	33	4	29	000	33	4	30	522.59392
5895.70406	0.237E-27	133	33	6	27	000	33	6	28	584.26845
5895.72674	0.651E-26	133	20	8	13	000	21	8	14	393.80365
5895.82613	0.988E-26	133	19	6	13	000	20	6	14	289.04007
5895.86057	0.147E-25	133	18	3	16	000	19	3	17	188.05475

5896.30129	0.133E-25	133	18	4	15	000	19	4	16	209.89364
5896.45325	0.282E-27	133	33	7	26	000	33	7	27	624.55071
5896.48976	0.215E-27	133	32	5	28	000	32	5	27	522.55763
5896.60636	0.821E-26	133	19	7	12	000	20	7	13	329.51970
5896.63352	0.509E-26	133	20	9	12	000	21	9	13	446.55686
5896.86280	0.117E-25	133	18	5	14	000	19	5	15	237.93840
5896.96915	0.164E-25	133	17	1	16	000	18	1	17	150.18998
5897.08329	0.158E-25	133	17	2	15	000	18	2	16	158.16527
5897.14943	0.172E-25	133	17	0	17	000	18	0	18	141.08198
5897.19355	0.280E-27	133	32	6	27	000	32	6	26	556.50290
5897.48800	0.660E-26	133	19	8	11	000	20	8	12	376.15796
5897.49141	0.149E-25	133	17	3	14	000	18	3	15	172.29737
5897.54184	0.100E-25	133	18	6	13	000	19	6	14	272.22598
5897.94599	0.333E-27	133	32	7	26	000	32	7	25	596.80972
5897.96568	0.135E-25	133	17	4	13	000	18	4	14	193.90699
5898.06321	0.254E-27	133	31	5	26	000	31	5	27	495.54373
5898.14517	0.145E-27	133	31	4	27	000	31	4	28	467.78726
5898.32433	0.828E-26	133	18	7	12	000	19	7	13	312.71105
5898.38324	0.149E-27	133	28	3	26	000	28	3	25	372.41035
5898.40310	0.513E-26	133	19	9	10	000	20	9	11	428.91325
5898.41196	0.202E-27	133	30	4	27	000	30	4	26	442.11247
5898.53383	0.118E-25	133	17	5	12	000	18	5	13	221.95763
5898.65184	0.330E-27	133	31	6	25	000	31	6	26	529.57659
5898.85741	0.173E-25	133	16	1	16	000	17	1	17	127.26394
5898.88686	0.162E-25	133	16	2	15	000	17	2	16	140.64712
5899.08842	0.120E-27	133	24	2	23	000	24	2	22	269.21484
5899.15466	0.148E-25	133	16	3	14	000	17	3	15	156.90332
5899.21337	0.101E-25	133	17	6	11	000	18	6	12	256.25341
5899.37601	0.299E-27	133	30	5	26	000	30	5	25	469.45625
5899.40687	0.391E-27	133	31	7	24	000	31	7	25	569.90985
5899.59535	0.135E-25	133	16	4	13	000	17	4	14	178.74687
5899.99588	0.828E-26	133	17	7	10	000	18	7	11	296.74306
5900.06010	0.388E-27	133	30	6	25	000	30	6	24	503.49696
5900.12882	0.512E-26	133	18	9	10	000	19	9	11	412.10938
5900.13661	0.166E-25	133	15	1	14	000	16	1	15	120.25713
5900.15744	0.118E-25	133	16	5	12	000	17	5	13	206.81920
5900.29452	0.160E-25	133	15	2	13	000	16	2	14	128.11956
5900.33547	0.173E-25	133	15	0	15	000	16	0	16	112.54241
5900.70621	0.149E-25	133	15	3	12	000	16	3	13	142.71278
5900.73632	0.189E-27	133	29	4	25	000	29	4	26	416.35260
5900.80945	0.351E-27	133	29	5	24	000	29	5	25	444.15880
5900.82059	0.459E-27	133	30	7	24	000	30	7	23	543.85126
5900.83774	0.100E-25	133	16	6	11	000	17	6	12	241.12223
5900.87518	0.658E-26	133	17	8	9	000	18	8	10	343.38696
5901.16955	0.134E-25	133	15	4	11	000	16	4	12	164.44367
5901.28722	0.280E-27	133	28	4	25	000	28	4	24	392.17838
5901.42529	0.454E-27	133	29	6	23	000	29	6	24	478.25854
5901.62164	0.818E-26	133	16	7	10	000	17	7	11	281.61570
5901.73855	0.117E-25	133	15	5	10	000	16	5	11	192.52346
5901.80714	0.504E-26	133	17	9	8	000	18	9	9	396.14531
5901.97013	0.171E-25	133	14	1	14	000	15	1	15	100.57235
5901.98877	0.160E-25	133	14	2	13	000	15	2	14	113.08698
5902.09134	0.410E-27	133	28	5	24	000	28	5	23	419.74946
5902.18756	0.537E-27	133	29	7	22	000	29	7	23	518.63375
5902.25611	0.145E-25	133	14	3	12	000	15	3	13	129.12198
5902.41743	0.984E-26	133	15	6	9	000	16	6	10	226.83233
5902.50201	0.645E-26	133	16	8	9	000	17	8	10	328.26168
5902.70854	0.132E-25	133	14	4	11	000	15	4	12	150.97722
5902.74813	0.530E-27	133	28	6	23	000	28	6	22	453.86469
5902.76819	0.163E-27	133	22	2	21	000	22	2	20	228.73417
5903.11326	0.319E-27	133	27	4	23	000	27	4	24	368.29586
5903.13098	0.163E-25	133	13	1	12	000	14	1	13	93.66874
5903.19914	0.799E-26	133	15	7	8	000	16	7	9	267.32894
5903.27198	0.115E-25	133	14	5	10	000	15	5	11	179.06981
5903.32486	0.169E-25	133	13	0	13	000	14	0	14	87.14988
5903.33452	0.156E-25	133	13	2	11	000	14	2	12	101.57908
5903.35816	0.125E-27	133	29	3	26	000	29	3	27	394.11619
5903.38876	0.479E-27	133	27	5	22	000	27	5	23	396.15706
5903.44204	0.489E-26	133	16	9	8	000	17	9	9	381.02110
5903.51263	0.627E-27	133	28	7	22	000	28	7	21	494.25736
5903.73648	0.145E-25	133	13	3	10	000	14	3	11	116.55199
5903.90785	0.383E-27	133	26	4	23	000	26	4	22	345.69287

5903.94997	0.956E-26	133	14	6	9	000	15	6	10	213.38360
5904.02687	0.617E-27	133	27	6	21	000	27	6	22	430.31282
5904.08384	0.623E-26	133	15	8	7	000	16	8	8	313.97659
5904.19830	0.129E-25	133	13	4	9	000	14	4	10	138.35915
5904.59827	0.555E-27	133	26	5	22	000	26	5	21	373.43119
5904.73718	0.768E-26	133	14	7	8	000	15	7	9	253.88274
5904.76099	0.111E-25	133	13	5	8	000	14	5	9	166.45822
5904.78863	0.729E-27	133	27	7	20	000	27	7	21	470.72199
5904.89052	0.163E-25	133	12	1	12	000	13	1	13	77.08248
5904.90854	0.153E-25	133	12	2	11	000	13	2	12	88.83475
5904.91641	0.177E-27	133	27	3	24	000	27	3	25	346.23199
5905.03202	0.466E-26	133	15	9	6	000	16	9	7	366.73680
5905.19197	0.140E-25	133	12	3	10	000	13	3	11	104.71309
5905.43924	0.916E-26	133	13	6	7	000	14	6	8	200.77592
5905.62041	0.592E-26	133	14	8	7	000	15	8	8	300.53169
5905.64000	0.124E-25	133	12	4	9	000	13	4	10	126.58176
5905.79509	0.645E-27	133	25	5	20	000	25	5	21	351.53646
5905.86422	0.121E-27	133	16	1	16	000	16	1	15	120.25713
5905.95225	0.154E-25	133	11	1	10	000	12	1	11	70.45572
5906.02457	0.846E-27	133	26	7	20	000	26	7	19	448.02762
5906.05324	0.220E-27	133	20	2	19	000	20	2	18	191.70925
5906.12900	0.159E-25	133	11	0	11	000	12	0	12	64.92574
5906.19811	0.147E-25	133	11	2	9	000	12	2	10	78.53860
5906.20017	0.106E-25	133	12	5	8	000	13	5	9	154.68835
5906.22368	0.727E-26	133	13	7	6	000	14	7	7	241.27708
5906.44633	0.829E-27	133	25	6	19	000	25	6	20	385.73801
5906.52104	0.247E-27	133	25	3	22	000	25	3	23	301.67091
5906.57859	0.434E-26	133	14	9	6	000	15	9	7	353.29248
5906.58252	0.134E-25	133	11	3	8	000	12	3	9	93.79634
5906.88058	0.863E-26	133	12	6	7	000	13	6	8	189.00920
5907.03530	0.118E-25	133	11	4	7	000	12	4	8	115.64881
5907.11069	0.550E-26	133	13	8	5	000	14	8	6	287.92702
5907.21447	0.978E-27	133	25	7	18	000	25	7	19	426.17419
5907.59141	0.956E-27	133	24	6	19	000	24	6	18	364.71434
5907.59947	0.991E-26	133	11	5	6	000	12	5	7	143.76007
5907.62428	0.150E-25	133	10	1	10	000	11	1	11	56.80500
5907.64464	0.140E-25	133	10	2	9	000	11	2	10	67.90283
5907.66705	0.672E-26	133	12	7	6	000	13	7	7	229.51193
5907.93799	0.127E-25	133	10	3	8	000	11	3	9	83.67704
5908.07438	0.393E-26	133	13	9	4	000	14	9	5	340.68819
5908.15085	0.339E-27	133	23	3	20	000	23	3	21	260.44685
5908.27646	0.795E-26	133	11	6	5	000	12	6	6	178.08336
5908.36133	0.113E-26	133	24	7	18	000	24	7	17	405.16166
5908.38491	0.110E-25	133	10	4	7	000	11	4	8	105.55758
5908.50118	0.688E-27	133	22	4	19	000	22	4	18	262.99506
5908.55691	0.496E-26	133	12	8	5	000	13	8	6	276.16258
5908.59842	0.139E-25	133	9	1	8	000	10	1	9	50.64321
5908.69159	0.110E-26	133	23	6	17	000	23	6	18	344.53275
5908.74459	0.143E-25	133	9	0	9	000	10	0	10	45.90075
5908.87374	0.153E-27	133	14	1	14	000	14	1	13	93.66874
5908.87592	0.131E-25	133	9	2	7	000	10	2	8	58.98104
5908.92885	0.297E-27	133	18	2	17	000	18	2	16	158.16527
5908.94895	0.910E-26	133	10	5	6	000	11	5	7	133.67314
5909.06393	0.604E-26	133	11	7	4	000	12	7	5	218.58726
5909.07995	0.985E-27	133	22	5	18	000	22	5	17	290.94154
5909.24076	0.118E-25	133	9	3	6	000	10	3	7	74.43138
5909.46114	0.130E-26	133	23	7	16	000	23	7	17	384.98999
5909.52897	0.341E-26	133	12	9	4	000	13	9	5	328.92396
5909.58271	0.790E-27	133	21	4	17	000	21	4	18	244.42024
5909.62800	0.712E-26	133	10	6	5	000	11	6	6	167.99829
5909.62828	0.529E-27	133	20	3	18	000	20	3	17	205.32847
5909.68755	0.101E-25	133	9	4	5	000	10	4	6	96.30894
5909.74546	0.126E-26	133	22	6	17	000	22	6	16	325.19334
5909.77885	0.459E-27	133	21	3	18	000	21	3	19	222.57162
5909.95572	0.429E-26	133	11	8	3	000	12	8	4	265.23840
5910.09135	0.113E-26	133	21	5	16	000	21	5	17	272.42949
5910.12100	0.130E-26	133	24	9	16	000	24	9	15	504.52536
5910.16341	0.131E-25	133	8	1	8	000	9	1	9	39.75057
5910.19789	0.121E-25	133	8	2	7	000	9	2	8	50.30211
5910.25360	0.812E-26	133	9	5	4	000	10	5	5	124.42741
5910.34617	0.143E-26	133	23	8	15	000	23	8	16	431.61525
5910.41493	0.521E-26	133	10	7	4	000	11	7	5	208.50304

5910.48669	0.907E-27	133	20	4	17	000	20	4	16	226.75495
5910.49895	0.107E-25	133	8	3	6	000	9	3	7	66.01268
5910.51691	0.149E-26	133	22	7	16	000	22	7	15	365.65913
5910.75527	0.145E-26	133	21	6	15	000	21	6	16	306.69580
5910.93027	0.613E-26	133	9	6	3	000	10	6	4	158.75393
5910.93605	0.278E-26	133	11	9	2	000	12	9	3	317.99985
5910.94532	0.894E-26	133	8	4	5	000	9	4	6	87.90195
5911.05356	0.130E-26	133	20	5	16	000	20	5	15	254.76284
5911.07420	0.118E-25	133	7	1	6	000	8	1	7	34.25104
5911.18321	0.122E-25	133	7	0	7	000	8	0	8	30.11193
5911.30919	0.348E-26	133	10	8	3	000	11	8	4	255.15448
5911.36330	0.109E-25	133	7	2	5	000	8	2	6	42.88088
5911.37062	0.612E-27	133	19	3	16	000	19	3	17	188.05475
5911.39823	0.164E-26	133	22	8	15	000	22	8	14	412.28942
5911.41442	0.399E-27	133	16	2	15	000	16	2	14	128.11956
5911.44235	0.104E-26	133	19	4	15	000	19	4	16	209.89364
5911.50878	0.697E-26	133	8	5	4	000	9	5	5	116.02272
5911.51728	0.194E-27	133	12	1	12	000	12	1	11	70.45572
5911.52866	0.171E-26	133	21	7	14	000	21	7	15	347.16904
5911.61795	0.699E-27	133	18	3	16	000	18	3	15	172.29737
5911.71191	0.947E-26	133	7	3	4	000	8	3	5	58.44636
5911.71843	0.422E-26	133	9	7	2	000	10	7	3	199.25926
5911.71891	0.166E-26	133	20	6	15	000	20	6	14	289.04007
5911.97211	0.148E-26	133	19	5	14	000	19	5	15	237.93840
5911.98246	0.106E-27	133	25	2	23	000	25	2	24	283.67938
5912.15591	0.765E-26	133	7	4	3	000	8	4	4	80.33659
5912.18842	0.496E-26	133	8	6	3	000	9	6	4	150.35020
5912.28794	0.119E-26	133	18	4	15	000	18	4	14	193.90699
5912.29825	0.201E-26	133	10	9	2	000	11	9	3	307.91590
5912.40766	0.188E-26	133	21	8	13	000	21	8	14	393.80365
5912.49435	0.195E-26	133	20	7	14	000	20	7	13	329.51970
5912.51109	0.106E-25	133	6	1	6	000	7	1	7	25.92939
5912.56900	0.960E-26	133	6	2	5	000	7	2	6	36.04189
5912.61665	0.251E-26	133	9	8	1	000	10	8	2	245.91085
5912.64022	0.189E-26	133	19	6	13	000	19	6	14	272.22598
5912.72147	0.563E-26	133	7	5	2	000	8	5	3	108.45891
5912.84357	0.169E-26	133	18	5	14	000	18	5	13	221.95763
5912.87828	0.807E-26	133	6	3	4	000	7	3	5	51.71786
5912.88546	0.806E-27	133	17	3	14	000	17	3	15	156.90332
5912.97951	0.305E-26	133	8	7	2	000	9	7	3	190.85589
5913.12580	0.135E-26	133	17	4	13	000	17	4	14	178.74687
5913.24789	0.191E-27	133	21	2	19	000	21	2	20	205.63536
5913.30539	0.196E-26	133	21	9	12	000	21	9	13	446.55686
5913.32155	0.617E-26	133	6	4	3	000	7	4	4	73.61247
5913.34520	0.898E-27	133	16	3	14	000	16	3	13	142.71278
5913.37243	0.215E-26	133	20	8	13	000	20	8	12	376.15796
5913.37358	0.916E-26	133	5	1	4	000	6	1	5	21.29443
5913.40217	0.358E-26	133	7	6	1	000	8	6	2	142.78703
5913.41501	0.223E-26	133	19	7	12	000	19	7	13	312.71105
5913.44284	0.955E-26	133	5	0	5	000	6	0	6	17.59734
5913.49667	0.533E-27	133	14	2	13	000	14	2	12	101.57908
5913.51441	0.216E-26	133	18	6	13	000	18	6	12	256.25341
5913.61448	0.109E-26	133	9	9	0	000	10	9	1	298.67215
5913.66712	0.813E-26	133	5	2	3	000	6	2	4	30.20948
5913.67226	0.192E-26	133	17	5	12	000	17	5	13	206.81920
5913.78607	0.252E-27	133	10	1	10	000	10	1	9	50.64321
5913.87596	0.137E-26	133	8	8	1	000	9	8	2	237.50750
5913.88530	0.406E-26	133	6	5	2	000	7	5	3	101.73586
5913.89855	0.154E-26	133	16	4	13	000	16	4	12	164.44367
5913.90978	0.256E-27	133	19	2	17	000	19	2	18	171.50149
5913.99454	0.650E-26	133	5	3	2	000	6	3	3	45.83360
5914.19070	0.166E-26	133	7	7	0	000	8	7	1	183.29291
5914.27713	0.224E-26	133	20	9	12	000	20	9	11	428.91325
5914.29232	0.254E-26	133	18	7	12	000	18	7	11	296.74306
5914.29357	0.246E-26	133	19	8	11	000	19	8	12	359.35239
5914.29701	0.105E-26	133	15	3	12	000	15	3	13	129.12198
5914.34455	0.246E-26	133	17	6	11	000	17	6	12	241.12223
5914.43988	0.446E-26	133	5	4	1	000	6	4	2	67.72941
5914.45318	0.219E-26	133	16	5	12	000	16	5	11	192.52346
5914.56439	0.195E-26	133	6	6	1	000	7	6	2	136.06437
5914.60144	0.344E-27	133	17	2	15	000	17	2	16	140.64712
5914.63600	0.175E-26	133	15	4	11	000	15	4	12	150.97722

5914.66805	0.771E-26	133	4	1	4	000	5	1	5	15.35058
5914.75386	0.651E-26	133	4	2	3	000	5	2	4	25.12972
5914.82610	0.119E-26	133	14	3	12	000	14	3	11	116.55199
5915.00356	0.222E-26	133	5	5	0	000	6	5	1	95.85345
5915.07011	0.470E-26	133	4	3	2	000	5	3	3	40.78997
5915.12324	0.289E-26	133	17	7	10	000	17	7	11	281.61570
5915.12763	0.279E-26	133	16	6	11	000	16	6	10	226.83233
5915.19221	0.249E-26	133	15	5	10	000	15	5	11	179.06981
5915.20469	0.710E-27	133	12	2	11	000	12	2	10	78.53860
5915.20697	0.256E-26	133	19	9	10	000	19	9	11	412.10938
5915.32661	0.200E-26	133	14	4	11	000	14	4	10	138.35915
5915.32710	0.461E-27	133	15	2	13	000	15	2	14	113.08698
5915.49886	0.608E-26	133	3	1	2	000	4	1	3	11.78459
5915.51041	0.245E-26	133	4	4	1	000	5	4	2	62.68717
5915.52673	0.656E-26	133	3	0	3	000	4	0	4	8.39102
5915.57538	0.137E-26	133	13	3	10	000	13	3	11	104.71309
5915.66294	0.335E-27	133	8	1	8	000	8	1	7	34.25104
5915.77237	0.471E-26	133	3	2	1	000	4	2	2	20.94021
5915.86616	0.318E-26	133	15	6	9	000	15	6	10	213.38360
5915.88357	0.283E-26	133	14	5	10	000	14	5	9	166.45822
5915.90840	0.329E-26	133	16	7	10	000	16	7	9	267.32894
5915.97570	0.227E-26	133	13	4	9	000	13	4	10	126.58176
5916.00046	0.319E-26	133	17	8	9	000	17	8	10	328.26168
5916.07885	0.614E-27	133	13	2	11	000	13	2	12	88.83475
5916.09289	0.292E-26	133	18	9	10	000	18	9	9	396.14531
5916.09560	0.260E-26	133	3	3	0	000	4	3	1	36.58784
5916.10873	0.157E-26	133	12	3	10	000	12	3	9	93.79634
5916.35446	0.425E-26	133	35	0	35	000	34	0	34	482.19101
5916.53086	0.322E-26	133	13	5	8	000	13	5	9	154.68835
5916.55765	0.361E-26	133	14	6	9	000	14	6	8	200.77592
5916.56643	0.948E-27	133	10	2	9	000	10	2	8	58.98104
5916.57295	0.259E-26	133	12	4	9	000	12	4	8	115.64881
5916.63354	0.437E-26	133	2	1	2	000	3	1	3	8.02168
5916.64534	0.374E-26	133	15	7	8	000	15	7	9	253.88274
5916.70182	0.179E-26	133	11	3	8	000	11	3	9	83.67704
5916.78710	0.363E-26	133	16	8	9	000	16	8	8	313.97659
5916.83388	0.819E-27	133	11	2	9	000	11	2	10	67.90283
5916.93135	0.332E-26	133	17	9	8	000	17	9	9	381.02110
5917.12653	0.296E-26	133	11	4	7	000	11	4	8	105.55758
5917.12845	0.367E-26	133	12	5	8	000	12	5	7	143.76007
5917.14606	0.466E-27	133	6	1	6	000	6	1	5	21.29443
5917.18365	0.206E-26	133	10	3	8	000	10	3	7	74.43138
5917.20596	0.411E-26	133	13	6	7	000	13	6	8	189.00920
5917.27217	0.475E-26	133	34	1	34	000	33	1	33	455.03919
5917.34284	0.426E-26	133	14	7	8	000	14	7	7	241.27708
5917.43200	0.333E-26	133	1	0	1	000	2	0	2	2.51948
5917.52874	0.413E-26	133	15	8	7	000	15	8	8	300.53169
5917.55485	0.110E-26	133	9	2	7	000	9	2	8	50.30211
5917.61912	0.128E-26	133	8	2	7	000	8	2	6	42.88088
5917.63355	0.340E-26	133	10	4	7	000	10	4	6	96.30894
5917.65946	0.237E-26	133	9	3	6	000	9	3	7	66.01268
5917.68640	0.420E-26	133	11	5	6	000	11	5	7	133.67314
5917.72634	0.378E-26	133	16	9	8	000	16	9	7	366.73680
5917.80642	0.469E-26	133	12	6	7	000	12	6	6	178.08336
5917.98883	0.484E-26	133	13	7	6	000	13	7	7	229.51193
5918.06527	0.275E-26	133	8	3	6	000	8	3	5	58.44636
5918.09454	0.391E-26	133	9	4	5	000	9	4	6	87.90195
5918.16978	0.528E-26	133	33	0	33	000	32	0	32	428.58045
5918.19468	0.481E-26	133	10	5	6	000	10	5	5	124.42741
5918.20229	0.151E-26	133	7	2	5	000	7	2	6	36.04189
5918.22508	0.469E-26	133	14	8	7	000	14	8	6	287.92702
5918.23404	0.708E-27	133	4	1	4	000	4	1	3	11.78459
5918.36154	0.535E-26	133	11	6	5	000	11	6	6	167.99829
5918.40141	0.180E-26	133	6	2	5	000	6	2	4	30.20948
5918.44041	0.323E-26	133	7	3	4	000	7	3	5	51.71786
5918.47634	0.430E-26	133	15	9	6	000	15	9	7	353.29248
5918.51068	0.454E-26	133	8	4	5	000	8	4	4	80.33659
5918.58251	0.379E-26	133	35	1	34	000	34	1	33	505.50649
5918.59172	0.552E-26	133	12	7	6	000	12	7	5	218.58726
5918.65829	0.554E-26	133	9	5	4	000	9	5	5	116.02272
5918.74688	0.219E-26	133	5	2	3	000	5	2	4	25.12972
5918.76254	0.384E-26	133	6	3	4	000	6	3	3	45.83360

5918.87236	0.614E-26	133	10	6	5	000	10	6	4	158.75393
5918.87513	0.534E-26	133	13	8	5	000	13	8	6	276.16258
5918.88003	0.533E-26	133	7	4	3	000	7	4	4	73.61247
5918.92591	0.135E-26	133	2	1	2	000	2	1	1	5.72931
5918.94337	0.274E-26	133	4	2	3	000	4	2	2	20.94021
5918.98190	0.585E-26	133	32	1	32	000	31	1	31	403.01939
5919.03817	0.467E-26	133	5	3	2	000	5	3	3	40.78997
5919.07259	0.643E-26	133	8	5	4	000	8	5	3	108.45891
5919.14114	0.361E-26	133	3	2	1	000	3	2	2	17.57144
5919.14815	0.631E-26	133	11	7	4	000	11	7	5	208.50304
5919.18288	0.489E-26	133	14	9	6	000	14	9	5	340.68819
5919.20461	0.633E-26	133	6	4	3	000	6	4	2	67.72941
5919.24716	0.426E-26	133	34	2	33	000	33	2	32	478.43898
5919.26177	0.934E-27	133	3	1	2	000	3	1	3	8.02168
5919.27224	0.585E-26	133	4	3	2	000	4	3	1	36.58784
5919.31743	0.567E-27	133	5	1	4	000	5	1	5	15.35058
5919.33400	0.707E-26	133	9	6	3	000	9	6	4	150.35020
5919.39585	0.394E-27	133	7	1	6	000	7	1	7	25.92939
5919.44452	0.754E-26	133	7	5	2	000	7	5	3	101.73586
5919.45700	0.771E-26	133	3	3	0	000	3	3	1	33.22644
5919.48109	0.609E-26	133	12	8	5	000	12	8	4	265.23840
5919.48212	0.769E-26	133	5	4	1	000	5	4	2	62.68717
5919.49106	0.292E-27	133	9	1	8	000	9	1	9	39.75057
5919.60297	0.224E-27	133	11	1	10	000	11	1	11	56.80500
5919.65870	0.723E-26	133	10	7	4	000	10	7	3	199.25926
5919.71200	0.963E-26	133	4	4	1	000	4	4	0	58.48558
5919.71724	0.176E-27	133	13	1	12	000	13	1	13	77.08248
5919.75158	0.821E-26	133	8	6	3	000	8	6	2	142.78703
5919.76771	0.897E-26	133	6	5	2	000	6	5	1	95.85345
5919.78855	0.644E-26	133	31	0	31	000	30	0	30	378.10635
5919.82139	0.140E-27	133	15	1	14	000	15	1	15	100.57235
5919.83861	0.557E-26	133	13	9	4	000	13	9	5	328.92396
5919.89519	0.112E-27	133	17	1	16	000	17	1	17	127.26394
5919.95148	0.165E-26	133	1	0	1	000	0	0	0	0.00000
5920.03964	0.696E-26	133	11	8	3	000	11	8	4	255.15448
5920.04543	0.109E-25	133	5	5	0	000	5	5	1	90.81158
5920.12180	0.833E-26	133	9	7	2	000	9	7	3	190.85589
5920.12483	0.962E-26	133	7	6	1	000	7	6	2	136.06437
5920.35290	0.474E-26	133	33	1	32	000	32	1	31	450.11768
5920.44661	0.114E-25	133	6	6	1	000	6	6	0	130.18215
5920.45308	0.635E-26	133	12	9	4	000	12	9	3	317.99985
5920.49892	0.706E-26	133	30	1	30	000	29	1	29	354.14656
5920.54249	0.967E-26	133	8	7	2	000	8	7	1	183.29291
5920.55282	0.798E-26	133	10	8	3	000	10	8	2	245.91085
5920.70700	0.241E-26	133	2	1	2	000	1	1	1	3.94822
5920.75449	0.387E-26	133	34	3	32	000	33	3	31	499.79017
5920.83086	0.344E-26	133	35	2	33	000	34	2	32	522.19916
5920.85462	0.528E-26	133	32	2	31	000	31	2	30	424.95173
5920.91330	0.113E-25	133	7	7	0	000	7	7	1	176.57031
5921.02000	0.726E-26	133	11	9	2	000	11	9	3	307.91590
5921.02000	0.920E-26	133	9	8	1	000	9	8	2	237.50750
5921.21786	0.770E-26	133	29	0	29	000	28	0	28	330.76862
5921.39827	0.480E-26	133	3	0	3	000	2	0	2	2.51948
5921.43900	0.107E-25	133	8	8	1	000	8	8	0	229.94446
5921.43933	0.305E-26	133	35	4	31	000	34	4	30	552.41747
5921.54200	0.833E-26	133	10	9	2	000	10	9	1	298.67215
5921.55414	0.422E-26	133	3	1	2	000	2	1	1	5.72931
5921.63065	0.354E-26	133	34	4	31	000	33	4	30	522.59392
5921.66062	0.255E-26	133	3	2	1	000	2	2	0	15.05196
5921.75473	0.322E-26	133	35	3	32	000	34	3	31	534.74912
5921.81899	0.836E-26	133	28	1	28	000	27	1	27	308.42459
5921.92620	0.582E-26	133	31	1	30	000	30	1	29	397.82829
5921.99695	0.582E-26	133	4	1	4	000	3	1	3	8.02168
5922.01800	0.961E-26	133	9	9	0	000	9	9	1	290.26863
5922.02932	0.252E-26	133	35	6	29	000	34	6	28	612.88451
5922.16262	0.320E-26	133	34	5	30	000	33	5	29	550.31339
5922.22414	0.483E-26	133	32	3	30	000	31	3	29	445.30790
5922.26218	0.642E-26	133	30	2	29	000	29	2	28	374.65355
5922.31214	0.451E-26	133	4	2	3	000	3	2	2	17.57144
5922.41486	0.435E-26	133	33	2	31	000	32	2	30	464.99944
5922.45258	0.902E-26	133	27	0	27	000	26	0	26	286.56646
5922.63364	0.249E-26	133	4	3	2	000	3	3	1	33.22644

5922.64916	0.765E-26	133	5	0	5	000	4	0	4	8.39102
5922.71304	0.381E-26	133	33	4	29	000	32	4	28	495.51739
5922.74299	0.218E-26	133	35	7	28	000	34	7	27	653.13320
5922.76608	0.283E-26	133	34	6	29	000	33	6	28	584.26845
5922.88342	0.726E-26	133	5	1	4	000	4	1	3	11.78459
5922.91165	0.356E-26	133	33	5	28	000	32	5	27	522.55763
5922.93639	0.616E-26	133	5	2	3	000	4	2	2	20.94021
5922.94165	0.969E-26	133	26	1	26	000	25	1	25	265.85794
5922.99566	0.442E-26	133	32	4	29	000	31	4	28	467.78726
5923.06065	0.413E-26	133	33	3	30	000	32	3	29	477.12347
5923.08990	0.861E-26	133	6	1	6	000	5	1	5	15.35058
5923.24030	0.445E-26	133	5	3	2	000	4	3	1	36.58784
5923.30011	0.701E-26	133	29	1	28	000	28	1	27	348.64507
5923.46961	0.318E-26	133	33	6	27	000	32	6	26	556.50290
5923.46963	0.765E-26	133	28	2	27	000	27	2	26	327.55792
5923.48117	0.760E-26	133	6	2	5	000	5	2	4	25.12972
5923.49271	0.589E-26	133	30	3	28	000	29	3	27	394.11619
5923.49300	0.103E-25	133	25	0	25	000	24	0	24	245.49835
5923.50366	0.400E-26	133	32	5	28	000	31	5	27	495.54373
5923.68371	0.232E-26	133	5	4	1	000	4	4	0	58.48558
5923.69780	0.101E-25	133	7	0	7	000	6	0	6	17.59734
5923.76218	0.539E-26	133	31	2	29	000	30	2	28	411.05508
5923.80617	0.608E-26	133	6	3	4	000	5	3	3	40.78997
5923.81996	0.403E-26	133	31	4	27	000	30	4	26	442.11247
5923.86300	0.110E-25	133	24	1	24	000	23	1	23	226.45186
5923.98459	0.109E-25	133	8	1	8	000	7	1	7	25.92939
5924.03081	0.974E-26	133	7	1	6	000	6	1	5	21.29443
5924.03470	0.887E-26	133	7	2	5	000	6	2	4	30.20948
5924.11986	0.353E-26	133	32	6	27	000	31	6	26	529.57659
5924.15069	0.441E-26	133	31	5	26	000	30	5	25	469.45625
5924.15812	0.516E-26	133	31	3	28	000	30	3	27	423.00335
5924.17183	0.541E-26	133	30	4	27	000	29	4	26	416.35260
5924.19424	0.274E-26	133	33	7	26	000	32	7	25	596.80972
5924.24685	0.418E-26	133	6	4	3	000	5	4	2	62.68717
5924.32467	0.747E-26	133	7	3	4	000	6	3	3	45.83360
5924.34000	0.116E-25	133	23	0	23	000	22	0	22	207.56234
5924.45811	0.998E-26	133	8	2	7	000	7	2	6	36.04189
5924.45822	0.828E-26	133	27	1	26	000	26	1	25	302.58362
5924.47100	0.892E-26	133	26	2	25	000	25	2	24	283.67938
5924.53341	0.120E-25	133	9	0	9	000	8	0	8	30.11193
5924.56160	0.705E-26	133	28	3	26	000	27	3	25	346.23199
5924.58700	0.122E-25	133	22	1	22	000	21	1	21	190.21251
5924.67346	0.488E-26	133	30	5	26	000	29	5	25	444.15880
5924.67872	0.126E-25	133	10	1	10	000	9	1	9	39.75057
5924.73147	0.391E-26	133	31	6	25	000	30	6	24	503.49696
5924.76309	0.572E-26	133	7	4	3	000	6	4	2	67.72941
5924.79377	0.867E-26	133	8	3	6	000	7	3	5	51.71786
5924.80958	0.208E-26	133	6	5	2	000	5	5	1	90.81158
5924.84586	0.304E-26	133	32	7	26	000	31	7	25	569.90985
5924.84668	0.573E-26	133	29	2	27	000	28	2	26	360.41372
5924.91054	0.483E-26	133	29	4	25	000	28	4	24	392.17838
5924.97608	0.109E-25	133	9	2	7	000	8	2	6	42.88088
5924.99000	0.127E-25	133	21	0	21	000	20	0	20	172.75680
5924.99059	0.117E-25	133	9	1	8	000	8	1	7	34.25104
5925.06400	0.629E-26	133	29	3	26	000	28	3	25	372.41035
5925.11000	0.132E-25	133	20	1	20	000	19	1	19	157.14710
5925.15399	0.134E-25	133	11	0	11	000	10	0	10	45.90075
5925.16800	0.137E-25	133	12	1	12	000	11	1	11	56.80500
5925.16974	0.648E-26	133	28	4	25	000	27	4	24	368.29586
5925.21879	0.534E-26	133	29	5	24	000	28	5	23	419.74946
5925.22578	0.969E-26	133	9	3	6	000	8	3	5	58.44636
5925.23480	0.702E-26	133	8	4	5	000	7	4	4	73.61247
5925.24536	0.117E-25	133	10	2	9	000	9	2	8	50.30211
5925.27000	0.102E-25	133	24	2	23	000	23	2	22	243.03326
5925.29852	0.430E-26	133	30	6	25	000	29	6	24	478.25854
5925.32694	0.377E-26	133	7	5	2	000	6	5	1	95.85345
5925.40100	0.959E-26	133	25	1	24	000	24	1	23	259.66969
5925.43000	0.140E-25	133	18	1	18	000	17	1	17	127.26394
5925.44200	0.137E-25	133	19	0	19	000	18	0	18	141.08198
5925.46000	0.143E-25	133	14	1	14	000	13	1	13	77.08248
5925.46546	0.336E-26	133	31	7	24	000	30	7	23	543.85126
5925.54900	0.142E-25	133	13	0	13	000	12	0	12	64.92574

5925.54900	0.144E-25	133	16	1	16	000	15	1	15	100.57235
5925.60235	0.105E-25	133	10	3	8	000	9	3	7	66.01268
5925.65990	0.811E-26	133	9	4	5	000	8	4	4	80.33659
5925.68374	0.583E-26	133	28	5	24	000	27	5	23	396.15706
5925.68900	0.142E-25	133	17	0	17	000	16	0	16	112.54241
5925.71626	0.687E-26	133	27	4	23	000	26	4	22	345.69287
5925.72800	0.144E-25	133	15	0	15	000	14	0	14	87.14988
5925.75567	0.123E-25	133	11	2	9	000	10	2	8	58.98104
5925.76476	0.130E-25	133	11	1	10	000	10	1	9	50.64321
5925.76982	0.784E-26	133	27	2	25	000	26	2	24	313.12008
5925.79395	0.750E-26	133	27	3	24	000	26	3	23	325.35445
5925.79564	0.517E-26	133	8	5	4	000	7	5	3	101.73586
5925.81913	0.471E-26	133	29	6	23	000	28	6	22	453.86469
5925.84046	0.129E-25	133	12	2	11	000	11	2	10	67.90283
5925.86700	0.114E-25	133	22	2	21	000	21	2	20	205.63536
5925.94748	0.112E-25	133	11	3	8	000	10	3	7	74.43138
5925.98000	0.758E-26	133	26	4	23	000	25	4	22	323.62072
5926.00705	0.181E-26	133	7	6	1	000	6	6	0	130.18215
5926.03810	0.369E-26	133	30	7	24	000	29	7	23	518.63375
5926.04054	0.902E-26	133	10	4	7	000	9	4	6	87.90195
5926.11463	0.632E-26	133	27	5	22	000	26	5	21	373.43119
5926.11500	0.109E-25	133	23	1	22	000	22	1	21	219.93833
5926.22210	0.634E-26	133	9	5	4	000	8	5	3	108.45891
5926.22803	0.118E-25	133	12	3	10	000	11	3	9	83.67704
5926.24100	0.135E-25	133	14	2	13	000	13	2	12	88.83475
5926.26100	0.124E-25	133	20	2	19	000	19	2	18	171.50149
5926.30000	0.513E-26	133	28	6	23	000	27	6	22	430.31282
5926.34400	0.138E-25	133	13	1	12	000	12	1	11	70.45572
5926.35900	0.874E-26	133	25	3	22	000	24	3	21	281.83295
5926.37500	0.132E-25	133	13	2	11	000	12	2	10	78.53860
5926.37517	0.977E-26	133	11	4	7	000	10	4	6	96.30894
5926.44700	0.131E-25	133	18	2	17	000	17	2	16	140.64712
5926.44700	0.135E-25	133	16	2	15	000	15	2	14	113.08698
5926.44700	0.915E-26	133	25	2	23	000	24	2	22	269.21484
5926.47425	0.330E-26	133	8	6	3	000	7	6	2	136.06437
5926.49213	0.121E-25	133	13	3	10	000	12	3	9	93.79634
5926.49300	0.679E-26	133	26	5	22	000	25	5	21	351.53646
5926.56395	0.404E-26	133	29	7	22	000	28	7	21	494.25736
5926.59937	0.731E-26	133	10	5	6	000	9	5	5	116.02272
5926.60100	0.120E-25	133	21	1	20	000	20	1	19	183.43074
5926.66418	0.104E-25	133	12	4	9	000	11	4	8	105.55758
5926.66500	0.122E-25	133	14	3	12	000	13	3	11	104.71309
5926.72500	0.140E-25	133	15	1	14	000	14	1	13	93.66874
5926.73536	0.555E-26	133	27	6	21	000	26	6	20	407.60433
5926.76600	0.994E-26	133	23	3	20	000	22	3	19	241.83170
5926.83500	0.134E-25	133	15	2	13	000	14	2	12	101.57908
5926.83500	0.730E-26	133	25	5	20	000	24	5	19	330.49655
5926.86400	0.130E-25	133	19	1	18	000	18	1	17	150.18998
5926.86700	0.125E-25	133	15	3	12	000	14	3	11	116.55199
5926.89717	0.452E-26	133	9	6	3	000	8	6	2	142.78703
5926.90200	0.115E-25	133	20	3	18	000	19	3	17	188.05475
5926.90200	0.137E-25	133	17	1	16	000	16	1	15	120.25713
5926.90865	0.108E-25	133	13	4	9	000	12	4	8	115.64881
5926.93213	0.810E-26	133	11	5	6	000	10	5	5	124.42741
5926.93600	0.123E-25	133	16	3	14	000	15	3	13	129.12198
5927.01200	0.122E-25	133	18	3	16	000	17	3	15	156.90332
5927.02200	0.110E-25	133	21	3	18	000	20	3	17	205.32847
5927.04800	0.439E-26	133	28	7	22	000	27	7	21	470.72199
5927.07600	0.124E-25	133	17	3	14	000	16	3	13	142.71278
5927.07600	0.967E-26	133	22	4	19	000	21	4	18	244.42024
5927.10400	0.111E-25	133	14	4	11	000	13	4	10	126.58176
5927.12800	0.119E-25	133	19	3	16	000	18	3	15	172.29737
5927.12900	0.132E-25	133	17	2	15	000	16	2	14	128.11956
5927.17400	0.116E-25	133	21	2	19	000	20	2	18	191.70925
5927.21538	0.874E-26	133	12	5	8	000	11	5	7	133.67314
5927.24600	0.125E-25	133	19	2	17	000	18	2	16	158.16527
5927.24800	0.101E-25	133	21	4	17	000	20	4	16	226.75495
5927.25407	0.112E-25	133	15	4	11	000	14	4	10	138.35915
5927.26509	0.153E-26	133	8	7	2	000	7	7	1	176.57031
5927.27609	0.554E-26	133	10	6	5	000	9	6	4	150.35020
5927.34800	0.105E-25	133	20	4	17	000	19	4	16	209.89364
5927.36500	0.113E-25	133	16	4	13	000	15	4	12	150.97722

5927.42900	0.108E-25	133	19	4	15	000	18	4	14	193.90699
5927.42900	0.112E-25	133	17	4	13	000	16	4	12	164.44367
5927.44806	0.111E-25	133	18	4	15	000	17	4	14	178.74687
5927.45914	0.922E-26	133	13	5	8	000	12	5	7	143.76007
5927.47000	0.638E-26	133	25	6	19	000	24	6	18	364.71434
5927.48300	0.474E-26	133	27	7	20	000	26	7	19	448.02762
5927.59200	0.861E-26	133	22	5	18	000	21	5	17	272.42949
5927.60589	0.637E-26	133	11	6	5	000	10	6	4	158.75393
5927.65344	0.956E-26	133	14	5	10	000	13	5	9	154.68835
5927.68478	0.279E-26	133	9	7	2	000	8	7	1	183.29291
5927.75800	0.901E-26	133	21	5	16	000	20	5	15	254.76284
5927.77300	0.678E-26	133	24	6	19	000	23	6	18	344.53275
5927.80379	0.978E-26	133	15	5	10	000	14	5	9	166.45822
5927.87800	0.509E-26	133	26	7	20	000	25	7	19	426.17419
5927.87800	0.933E-26	133	20	5	16	000	19	5	15	237.93840
5927.89149	0.704E-26	133	12	6	7	000	11	6	6	167.99829
5927.90683	0.988E-26	133	16	5	12	000	15	5	11	179.06981
5927.95288	0.959E-26	133	19	5	14	000	18	5	13	221.95763
5927.96800	0.987E-26	133	17	5	12	000	16	5	11	192.52346
5927.98200	0.977E-26	133	18	5	14	000	17	5	13	206.81920
5928.03100	0.715E-26	133	23	6	17	000	22	6	16	325.19334
5928.06207	0.383E-26	133	10	7	4	000	9	7	3	190.85589
5928.13180	0.756E-26	133	13	6	7	000	12	6	6	178.08336
5928.22700	0.542E-26	133	25	7	18	000	24	7	17	405.16166
5928.24300	0.749E-26	133	22	6	17	000	21	6	16	306.69580
5928.32437	0.794E-26	133	14	6	9	000	13	6	8	189.00920
5928.39193	0.468E-26	133	11	7	4	000	10	7	3	199.25926
5928.41100	0.780E-26	133	21	6	15	000	20	6	14	289.04007
5928.47384	0.821E-26	133	15	6	9	000	14	6	8	200.77592
5928.53300	0.575E-26	133	24	7	18	000	23	7	17	384.98999
5928.53300	0.805E-26	133	20	6	15	000	19	6	14	272.22598
5928.57636	0.836E-26	133	16	6	11	000	15	6	10	213.38360
5928.58304	0.125E-26	133	9	8	1	000	8	8	0	229.94446
5928.61279	0.824E-26	133	19	6	13	000	18	6	12	256.25341
5928.63445	0.841E-26	133	17	6	11	000	16	6	10	226.83233
5928.64559	0.836E-26	133	18	6	13	000	17	6	12	241.12223
5928.67594	0.537E-26	133	12	7	6	000	11	7	5	208.50304
5928.79200	0.605E-26	133	23	7	16	000	22	7	15	365.65913
5928.91350	0.591E-26	133	13	7	6	000	12	7	5	218.58726
5928.95617	0.229E-26	133	10	8	3	000	9	8	2	237.50750
5929.00700	0.632E-26	133	22	7	16	000	21	7	15	347.16904
5929.10799	0.633E-26	133	14	7	8	000	13	7	7	229.51193
5929.17800	0.655E-26	133	21	7	14	000	20	7	13	329.51970
5929.25100	0.663E-26	133	15	7	8	000	14	7	7	241.27708
5929.28327	0.314E-26	133	11	8	3	000	10	8	2	245.91085
5929.30300	0.674E-26	133	20	7	14	000	19	7	13	312.71105
5929.35460	0.682E-26	133	16	7	10	000	15	7	9	253.88274
5929.38300	0.687E-26	133	19	7	12	000	18	7	11	296.74306
5929.41000	0.692E-26	133	17	7	10	000	16	7	9	267.32894
5929.41968	0.693E-26	133	18	7	12	000	17	7	11	281.61570
5929.56501	0.383E-26	133	12	8	5	000	11	8	4	255.15448
5929.67200	0.497E-26	133	23	8	15	000	22	8	14	412.28942
5929.79931	0.438E-26	133	13	8	5	000	12	8	4	265.23840
5929.88400	0.517E-26	133	22	8	15	000	21	8	14	393.80365
5929.94552	0.998E-27	133	10	9	2	000	9	9	1	290.26863
5929.98952	0.482E-26	133	14	8	7	000	13	8	6	276.16258
5930.05335	0.534E-26	133	21	8	13	000	20	8	12	376.15796
5930.13341	0.514E-26	133	15	8	7	000	14	8	6	287.92702
5930.17800	0.547E-26	133	20	8	13	000	19	8	12	359.35239
5930.23200	0.536E-26	133	16	8	9	000	15	8	8	300.53169
5930.25900	0.554E-26	133	19	8	11	000	18	8	10	343.38696
5930.26375	0.182E-26	133	11	9	2	000	10	9	1	298.67215
5930.28338	0.379E-26	133	24	9	16	000	23	9	15	484.36298
5930.28554	0.550E-26	133	17	8	9	000	16	8	8	313.97659
5930.53703	0.249E-26	133	12	9	4	000	11	9	3	307.91590
5930.76272	0.304E-26	133	13	9	4	000	12	9	3	317.99985
5930.94711	0.347E-26	133	14	9	6	000	13	9	5	328.92396
5930.94900	0.422E-26	133	21	9	12	000	20	9	11	428.91325
5931.08063	0.379E-26	133	15	9	6	000	14	9	5	340.68819
5931.08100	0.429E-26	133	20	9	12	000	19	9	11	412.10938
5931.17066	0.404E-26	133	16	9	8	000	15	9	7	353.29248
5931.17104	0.431E-26	133	19	9	10	000	18	9	9	396.14531

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5931.21565 0.420E-26 133 17 9 8 000 16 9 7 366.73680
5931.21710 0.429E-26 133 18 9 10 000 17 9 9 381.02110

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5947cm-1_corrected_transitions_411.txt

CORRECTED CALCULATED LINES (411)
with corrected upper energies

Fcalc/Fobs	Icalc	v	J	Ka	Kc	v	J	Ka	Kc	Elower
5895.16777	0.119E-26	411	34	5	30	000	35	5	31	608.46862
5897.19335	0.174E-26	411	33	3	30	000	34	3	31	534.74912
5899.30634	0.149E-26	411	32	5	28	000	33	5	29	550.31339
5901.29962	0.165E-26	411	31	5	26	000	32	5	27	522.55763
5904.65194	0.262E-26	411	30	2	29	000	31	2	30	424.95173
5905.22000	0.199E-26	411	29	5	24	000	30	5	25	469.45625
5905.30650	0.262E-26	411	29	3	26	000	30	3	27	423.00335
5905.38300	0.252E-26	411	29	2	27	000	30	2	28	411.05508
5906.31500	0.291E-26	411	29	1	28	000	30	1	29	397.82829
5907.14400	0.218E-26	411	28	5	24	000	29	5	25	444.15880
5907.48400	0.270E-26	411	29	0	29	000	30	0	30	378.10635
5907.74300	0.286E-26	411	28	3	26	000	29	3	27	394.11619
5908.36518	0.313E-26	411	28	2	27	000	29	2	28	374.65355
5909.00000	0.236E-26	411	27	5	22	000	28	5	23	419.74946
5909.15355	0.311E-26	411	27	3	24	000	28	3	25	372.41035
5909.16918	0.331E-26	411	27	2	25	000	28	2	26	360.41372
5909.28201	0.342E-26	411	28	1	28	000	29	1	29	354.14656
5909.92428	0.347E-26	411	27	1	26	000	28	1	27	348.64507
5910.84000	0.254E-26	411	26	5	22	000	27	5	23	396.15706
5911.03792	0.370E-26	411	27	0	27	000	28	0	28	330.76862
5911.41200	0.336E-26	411	26	3	24	000	27	3	25	346.23199
5911.94873	0.368E-26	411	26	2	25	000	27	2	26	327.55792
5912.23800	0.225E-26	411	25	6	19	000	26	6	20	407.60433
5912.78488	0.389E-26	411	25	2	23	000	26	2	24	313.12008
5912.80500	0.400E-26	411	26	1	26	000	27	1	27	308.42459
5912.84825	0.361E-26	411	25	3	22	000	26	3	23	325.35445
5913.40607	0.405E-26	411	25	1	24	000	26	1	25	302.58362
5914.00137	0.240E-26	411	24	6	19	000	25	6	20	385.73801
5914.38900	0.291E-26	411	24	5	20	000	25	5	21	351.53646
5914.48344	0.429E-26	411	25	0	25	000	26	0	26	286.56646
5914.92897	0.385E-26	411	24	3	22	000	25	3	23	301.67091
5915.39700	0.422E-26	411	24	2	23	000	25	2	24	283.67938
5915.73600	0.253E-26	411	23	6	17	000	24	6	18	364.71434
5916.19296	0.457E-26	411	24	1	24	000	25	1	25	265.85794
5916.28017	0.444E-26	411	23	2	21	000	24	2	22	269.21484
5916.35500	0.362E-26	411	23	4	19	000	24	4	20	302.63693
5916.38938	0.410E-26	411	23	3	20	000	24	3	21	281.83295
5916.76432	0.461E-26	411	23	1	22	000	24	1	23	259.66969
5917.43200	0.266E-26	411	22	6	17	000	23	6	18	344.53275
5917.79100	0.486E-26	411	23	0	23	000	24	0	24	245.49835
5918.06139	0.382E-26	411	22	4	19	000	23	4	20	282.32885
5918.30538	0.432E-26	411	22	3	20	000	23	3	21	260.44685
5918.71107	0.474E-26	411	22	2	21	000	23	2	22	243.03326
5919.07500	0.278E-26	411	21	6	15	000	22	6	16	325.19334
5919.44765	0.511E-26	411	22	1	22	000	23	1	23	226.45186
5919.64254	0.494E-26	411	21	2	19	000	22	2	20	228.73417
5919.77377	0.454E-26	411	21	3	18	000	22	3	19	241.83170
5920.00020	0.514E-26	411	21	1	20	000	22	1	21	219.93833
5920.69209	0.288E-26	411	20	6	15	000	21	6	16	306.69580
5920.96046	0.538E-26	411	21	0	21	000	22	0	22	207.56234
5921.04495	0.353E-26	411	20	5	16	000	21	5	17	272.42949
5921.31940	0.416E-26	411	20	4	17	000	21	4	18	244.42024
5921.54013	0.473E-26	411	20	3	18	000	21	3	19	222.57162
5921.89307	0.519E-26	411	20	2	19	000	21	2	20	205.63536
5922.56529	0.558E-26	411	20	1	20	000	21	1	21	190.21251
5922.87102	0.536E-26	411	19	2	17	000	20	2	18	191.70925
5922.99500	0.490E-26	411	19	3	16	000	20	3	17	205.32847
5923.11462	0.559E-26	411	19	1	18	000	20	1	19	183.43074
5923.81343	0.302E-26	411	18	6	13	000	19	6	14	272.22598
5923.98400	0.582E-26	411	19	0	19	000	20	0	20	172.75680
5924.14990	0.373E-26	411	18	5	14	000	19	5	15	237.93840

5924.42711	0.442E-26	411	18	4	15	000	19	4	16	209.89364	
5924.63400	0.504E-26	411	18	3	16	000	19	3	17	188.05475	
5924.93581	0.554E-26	411	18	2	17	000	19	2	18	171.50149	
5925.08558	0.481E-27	411	15	11	4	000	16	11	5	490.42491	
5925.31887	0.305E-26	411	17	6	11	000	18	6	12	256.25341	
5925.54900	0.595E-26	411	18	1	18	000	19	1	19	157.14710	
5925.92668	0.450E-26	411	17	4	13	000	18	4	14	193.90699	
5925.95800	0.565E-26	411	17	2	15	000	18	2	16	158.16527	
5926.06300	0.515E-26	411	17	3	14	000	18	3	15	172.29737	
5926.10615	0.592E-26	411	17	1	16	000	18	1	17	150.18998	
5926.78124	0.306E-26	411	16	6	11	000	17	6	12	241.12223	
5926.88472	0.613E-26	411	17	0	17	000	18	0	18	141.08198	
5927.11061	0.381E-26	411	16	5	12	000	17	5	13	206.81920	
5927.38867	0.455E-26	411	16	4	13	000	17	4	14	178.74687	
5927.41369	0.707E-27	411	14	10	5	000	15	10	6	412.12375	
5927.59083	0.521E-26	411	16	3	14	000	17	3	15	156.90332	
5927.84843	0.575E-26	411	16	2	15	000	17	2	16	140.64712	
5927.88334	0.347E-27	411	13	11	2	000	14	11	3	464.37590	
5928.13071	0.110E-26	411	14	9	6	000	15	9	7	353.29248	
5928.21064	0.303E-26	411	15	6	9	000	16	6	10	226.83233	
5928.39300	0.609E-26	411	16	1	16	000	17	1	17	127.26394	
5928.53488	0.379E-26	411	15	5	10	000	16	5	11	192.52346	
5928.76666	0.619E-27	411	13	10	3	000	14	10	4	399.51944	
5928.81348	0.455E-26	411	15	4	11	000	16	4	12	164.44367	
5928.91152	0.578E-26	411	15	2	13	000	16	2	14	128.11956	
5928.97061	0.608E-26	411	15	1	14	000	16	1	15	120.25713	
5928.97210	0.524E-26	411	15	3	12	000	16	3	13	142.71278	
5929.47800	0.100E-26	411	13	9	4	000	14	9	5	340.68819	
5929.60132	0.297E-26	411	14	6	9	000	15	6	10	213.38360	
5929.64173	0.628E-26	411	15	0	15	000	16	0	16	112.54241	
5929.92027	0.374E-26	411	14	5	10	000	15	5	11	179.06981	
5930.08171	0.507E-27	411	12	10	3	000	13	10	4	387.75510	
5930.11656	0.151E-26	411	13	8	5	000	14	8	6	287.92702	
5930.20200	0.452E-26	411	14	4	11	000	15	4	12	150.97722	
5930.39755	0.522E-26	411	14	3	12	000	15	3	13	129.12198	
5930.62039	0.579E-26	411	14	2	13	000	15	2	14	113.08698	
5930.79489	0.875E-27	411	12	9	4	000	13	9	5	328.92396	
5930.95686	0.286E-26	411	13	6	7	000	14	6	8	200.77592	
5931.11500	0.609E-26	411	14	1	14	000	15	1	15	100.57235	
5931.27100	0.364E-26	411	13	5	8	000	14	5	9	166.45822	
5931.36280	0.370E-27	411	11	10	1	000	12	10	2	376.83081	
5931.42236	0.137E-26	411	12	8	5	000	13	8	6	276.16258	
5931.55476	0.443E-26	411	13	4	9	000	14	4	10	138.35915	
5931.70949	0.605E-26	411	13	1	12	000	14	1	13	93.66874	
5931.71076	0.572E-26	411	13	2	11	000	14	2	12	101.57908	
5931.72700	0.515E-26	411	13	3	10	000	14	3	11	116.55199	
5932.07305	0.716E-27	411	11	9	2	000	12	9	3	317.99985	
5932.26743	0.623E-26	411	13	0	13	000	14	0	14	87.14988	
5932.27412	0.271E-26	411	12	6	7	000	13	6	8	189.00920	
5932.58439	0.350E-26	411	12	5	8	000	13	5	9	154.68835	!! exclu du fit
5932.60396	0.202E-27	411	10	10	1	000	11	10	2	366.74661	
5932.69118	0.119E-26	411	11	8	3	000	12	8	4	265.23840	
5932.86962	0.430E-26	411	12	4	9	000	13	4	10	126.58176	
5933.06097	0.502E-26	411	12	3	10	000	13	3	11	104.71309	
5933.25654	0.561E-26	411	12	2	11	000	13	2	12	88.83475	
5933.31425	0.521E-27	411	10	9	2	000	11	9	3	307.91590	
5933.55596	0.252E-26	411	11	6	5	000	12	6	6	178.08336	
5933.69000	0.603E-26	411	12	1	12	000	13	1	13	77.08248	
5933.85953	0.331E-26	411	11	5	6	000	12	5	7	143.76007	!! exclu du fit
5933.92680	0.973E-27	411	10	8	3	000	11	8	4	255.15448	
5934.10432	0.103E-27	411	25	6	19	000	25	6	20	385.73801	
5934.14671	0.411E-26	411	11	4	7	000	12	4	8	115.64881	
5934.31474	0.580E-26	411	11	1	10	000	12	1	11	70.45572	
5934.33152	0.484E-26	411	11	3	8	000	12	3	9	93.79634	
5934.36122	0.544E-26	411	11	2	9	000	12	2	10	78.53860	
5934.52148	0.285E-27	411	9	9	0	000	10	9	1	298.67215	
5934.76700	0.596E-26	411	11	0	11	000	12	0	12	64.92574	
5934.79814	0.227E-26	411	10	6	5	000	11	6	6	167.99829	
5935.02504	0.131E-27	411	24	6	19	000	24	6	18	364.71434	
5935.09262	0.306E-26	411	10	5	6	000	11	5	7	133.67314	!! exclu du fit
5935.12565	0.707E-27	411	9	8	1	000	10	8	2	245.91085	
5935.39069	0.386E-26	411	10	4	7	000	11	4	8	105.55758	

5935.42891	0.109E-27	411	24	5	20	000	24	5	19	330.49655	
5935.58199	0.461E-26	411	10	3	8	000	11	3	9	83.67704	
5935.75414	0.521E-26	411	10	2	9	000	11	2	10	67.90283	
5935.91759	0.165E-27	411	23	6	17	000	23	6	18	344.53275	
5936.00579	0.197E-26	411	9	6	3	000	10	6	4	158.75393	
5936.12579	0.564E-26	411	10	1	10	000	11	1	11	56.80500	
5936.28166	0.275E-26	411	9	5	4	000	10	5	5	124.42741	!! exclu du fit
5936.28496	0.387E-27	411	8	8	1	000	9	8	2	237.50750	
5936.59622	0.355E-26	411	9	4	5	000	10	4	6	96.30894	
5936.66308	0.100E-27	411	23	4	19	000	23	4	20	282.32885	
5936.77141	0.207E-27	411	22	6	17	000	22	6	16	325.19334	
5936.78409	0.431E-26	411	9	3	6	000	10	3	7	74.43138	
5936.78642	0.530E-26	411	9	1	8	000	10	1	9	50.64321	
5936.85442	0.492E-26	411	9	2	7	000	10	2	8	58.98104	
5937.13959	0.546E-26	411	9	0	9	000	10	0	10	45.90075	
5937.17659	0.160E-26	411	8	6	3	000	9	6	4	150.35020	
5937.39518	0.125E-27	411	22	4	19	000	22	4	18	262.99506	
5937.53816	0.237E-26	411	8	5	4	000	9	5	5	116.02272	!! exclu du fit
5937.57254	0.256E-27	411	21	6	15	000	21	6	16	306.69580	
5937.76539	0.318E-26	411	8	4	5	000	9	4	6	87.90195	
5937.95695	0.394E-26	411	8	3	6	000	9	3	7	66.01268	
5938.11189	0.457E-26	411	8	2	7	000	9	2	8	50.30211	
5938.31034	0.116E-26	411	7	6	1	000	8	6	2	142.78703	
5938.34782	0.314E-27	411	20	6	15	000	20	6	14	289.04007	
5938.42841	0.500E-26	411	8	1	8	000	9	1	9	39.75057	
5938.53000	0.683E-27	411	15	11	4	000	15	11	5	476.98049	
5938.65297	0.193E-26	411	7	5	2	000	8	5	3	108.45891	!! exclu du fit
5938.71160	0.260E-27	411	20	5	16	000	20	5	15	254.76284	
5938.78328	0.116E-27	411	20	3	18	000	20	3	17	205.32847	
5938.89691	0.274E-26	411	7	4	3	000	8	4	4	80.33659	
5938.98469	0.191E-27	411	20	4	17	000	20	4	16	226.75495	
5939.08691	0.352E-26	411	7	3	4	000	8	3	5	58.44636	
5939.11870	0.457E-26	411	7	1	6	000	8	1	7	34.25104	
5939.18680	0.416E-26	411	7	2	5	000	8	2	6	42.88088	
5939.38720	0.472E-26	411	7	0	7	000	8	0	8	30.11193	
5939.40778	0.637E-27	411	6	6	1	000	7	6	2	136.06437	
5939.64800	0.962E-27	411	13	11	2	000	13	11	3	452.61124	
5939.74130	0.140E-26	411	6	5	2	000	7	5	3	101.73586	
5939.78600	0.463E-27	411	18	6	13	000	18	6	12	256.25341	
5939.99155	0.223E-26	411	6	4	3	000	7	4	4	73.61247	
5940.01800	0.938E-27	411	14	10	5	000	14	10	4	399.51944	
5940.13067	0.384E-27	411	18	5	14	000	18	5	13	221.95763	
5940.18406	0.302E-26	411	6	3	4	000	7	3	5	51.71786	
5940.26872	0.143E-27	411	19	3	16	000	19	3	17	188.05475	
5940.32914	0.368E-26	411	6	2	5	000	7	2	6	36.04189	
5940.37599	0.112E-27	411	16	2	15	000	16	2	14	128.11956	
5940.39138	0.174E-27	411	18	3	16	000	18	3	15	172.29737	
5940.41376	0.283E-27	411	18	4	15	000	18	4	14	193.90699	
5940.45005	0.557E-27	411	17	6	11	000	17	6	12	241.12223	
5940.53100	0.111E-26	411	13	10	3	000	13	10	4	387.75510	
5940.58960	0.413E-26	411	6	1	6	000	7	1	7	25.92939	
5940.73500	0.103E-26	411	14	9	6	000	14	9	5	340.68819	
5940.79613	0.772E-27	411	5	5	0	000	6	5	1	95.85345	
5941.00600	0.131E-26	411	12	10	3	000	12	10	2	376.83081	
5941.05188	0.162E-26	411	5	4	1	000	6	4	2	67.72941	
5941.07114	0.668E-27	411	16	6	11	000	16	6	10	226.83233	
5941.08680	0.341E-27	411	17	4	13	000	17	4	14	178.74687	
5941.24223	0.122E-26	411	13	9	4	000	13	9	5	328.92396	
5941.24362	0.245E-26	411	5	3	2	000	6	3	3	45.83360	
5941.31308	0.360E-26	411	5	1	4	000	6	1	5	21.29443	
5941.36299	0.314E-26	411	5	2	3	000	6	2	4	30.20948	
5941.40635	0.553E-27	411	16	5	12	000	16	5	11	192.52346	
5941.44700	0.155E-26	411	11	10	1	000	11	10	2	366.74661	
5941.45705	0.211E-27	411	17	3	14	000	17	3	15	156.90332	
5941.50834	0.377E-26	411	5	0	5	000	6	0	6	17.59734	
5941.65937	0.795E-27	411	15	6	9	000	15	6	10	213.38360	
5941.69187	0.408E-27	411	16	4	13	000	16	4	12	164.44367	
5941.71900	0.144E-26	411	12	9	4	000	12	9	3	317.99985	
5941.78137	0.253E-27	411	16	3	14	000	16	3	13	142.71278	
5941.84800	0.183E-26	411	10	10	1	000	10	10	0	357.50257	
5941.88100	0.127E-26	411	13	8	5	000	13	8	6	276.16258	
5941.98853	0.659E-27	411	15	5	10	000	15	5	11	179.06981	

5942.07441	0.897E-27	411	4	4	1	000	5	4	2	62.68717	
5942.12828	0.164E-27	411	14	2	13	000	14	2	12	101.57908	
5942.15700	0.170E-26	411	11	9	2	000	11	9	3	307.91590	
5942.20900	0.944E-27	411	14	6	9	000	14	6	8	200.77592	
5942.26517	0.178E-26	411	4	3	2	000	5	3	3	40.78997	
5942.27993	0.486E-27	411	15	4	11	000	15	4	12	150.97722	
5942.34654	0.150E-26	411	12	8	5	000	12	8	4	265.23840	
5942.40307	0.254E-26	411	4	2	3	000	5	2	4	25.12972	
5942.53186	0.782E-27	411	14	5	10	000	14	5	9	166.45822	
5942.55800	0.201E-26	411	10	9	2	000	10	9	1	298.67215	
5942.56290	0.303E-27	411	15	3	12	000	15	3	13	129.12198	
5942.60905	0.305E-26	411	4	1	4	000	5	1	5	15.35058	
5942.72358	0.112E-26	411	13	6	7	000	13	6	8	189.00920	
5942.77510	0.177E-26	411	11	8	3	000	11	8	4	255.15448	
5942.82007	0.577E-27	411	14	4	11	000	14	4	10	138.35915	
5942.92500	0.238E-26	411	9	9	0	000	9	9	1	290.26863	
5942.96754	0.361E-27	411	14	3	12	000	14	3	11	116.55199	
5943.04087	0.925E-27	411	13	5	8	000	13	5	9	154.68835	
5943.17043	0.208E-26	411	10	8	3	000	10	8	2	245.91085	
5943.19997	0.132E-26	411	12	6	7	000	12	6	6	178.08336	
5943.25130	0.996E-27	411	3	3	0	000	4	3	1	36.58784	
5943.33215	0.683E-27	411	13	4	9	000	13	4	10	126.58176	
5943.36736	0.242E-26	411	3	1	2	000	4	1	3	11.78459	
5943.38033	0.185E-26	411	3	2	1	000	4	2	2	20.94021	
5943.49846	0.263E-26	411	3	0	3	000	4	0	4	8.39102	
5943.51267	0.109E-26	411	12	5	8	000	12	5	7	143.76007	!! exclu du fit
5943.52900	0.247E-26	411	9	8	1	000	9	8	2	237.50750	
5943.55269	0.235E-27	411	12	2	11	000	12	2	10	78.53860	
5943.56590	0.428E-27	411	13	3	10	000	13	3	11	104.71309	
5943.64103	0.156E-26	411	11	6	5	000	11	6	6	167.99829	
5943.80257	0.807E-27	411	12	4	9	000	12	4	8	115.64881	
5943.84800	0.293E-26	411	8	8	1	000	8	8	0	229.94446	
5943.92794	0.125E-27	411	8	1	8	000	8	1	7	34.25104	
5943.94410	0.137E-27	411	15	2	13	000	15	2	14	113.08698	
5943.94646	0.129E-26	411	11	5	6	000	11	5	7	133.67314	!! exclu du fit
5943.97772	0.506E-27	411	12	3	10	000	12	3	9	93.79634	
5944.04250	0.184E-26	411	10	6	5	000	10	6	4	158.75393	
5944.23794	0.953E-27	411	11	4	7	000	11	4	8	105.55758	
5944.33552	0.105E-26	411	2	2	1	000	3	2	2	17.57144	
5944.33835	0.152E-26	411	10	5	6	000	10	5	5	124.42741	!! exclu du fit
5944.40952	0.217E-26	411	9	6	3	000	9	6	4	150.35020	
5944.45082	0.598E-27	411	11	3	8	000	11	3	9	83.67704	
5944.45509	0.198E-27	411	13	2	11	000	13	2	12	88.83475	
5944.49154	0.176E-26	411	2	1	2	000	3	1	3	8.02168	
5944.63933	0.112E-26	411	10	4	7	000	10	4	6	96.30894	
5944.67593	0.334E-27	411	10	2	9	000	10	2	8	58.98104	
5944.68635	0.180E-26	411	9	5	4	000	9	5	5	116.02272	!! exclu du fit
5944.73975	0.258E-26	411	8	6	3	000	8	6	2	142.78703	
5944.82765	0.706E-27	411	10	3	8	000	10	3	7	74.43138	
5944.99699	0.281E-27	411	11	2	9	000	11	2	10	67.90283	
5945.00321	0.133E-26	411	9	4	5	000	9	4	6	87.90195	
5945.03300	0.309E-26	411	7	6	1	000	7	6	2	136.06437	
5945.10197	0.214E-26	411	8	5	4	000	8	5	3	108.45891	!! exclu du fit
5945.20279	0.836E-27	411	9	3	6	000	9	3	7	66.01268	
5945.22456	0.181E-27	411	6	1	6	000	6	1	5	21.29443	
5945.27391	0.999E-27	411	1	1	0	000	2	1	1	5.72931	
5945.29000	0.374E-26	411	6	6	1	000	6	6	0	130.18215	
5945.33075	0.158E-26	411	8	4	5	000	8	4	4	80.33659	
5945.35500	0.135E-26	411	1	0	1	000	2	0	2	2.51948	
5945.37603	0.256E-26	411	7	5	2	000	7	5	3	101.73586	!! exclu du fit
5945.52327	0.993E-27	411	8	3	6	000	8	3	5	58.44636	
5945.53312	0.475E-27	411	8	2	7	000	8	2	6	42.88088	
5945.53335	0.398E-27	411	9	2	7	000	9	2	8	50.30211	
5945.62103	0.189E-26	411	7	4	3	000	7	4	4	73.61247	
5945.62371	0.309E-26	411	6	5	2	000	6	5	1	95.85345	
5945.81541	0.119E-26	411	7	3	4	000	7	3	5	51.71786	
5945.83800	0.381E-26	411	5	5	0	000	5	5	1	90.81158	
5945.87461	0.229E-26	411	6	4	3	000	6	4	2	67.72941	
5946.02579	0.570E-27	411	7	2	5	000	7	2	6	36.04189	
5946.06832	0.144E-26	411	6	3	4	000	6	3	3	45.83360	
5946.09412	0.282E-26	411	5	4	1	000	5	4	2	62.68717	
5946.16155	0.691E-27	411	6	2	5	000	6	2	4	30.20948	

5946.17504	0.284E-27	411	4	1	4	000	4	1	3	11.78459
5946.27600	0.358E-26	411	4	4	1	000	4	4	0	58.48558
5946.28725	0.177E-26	411	5	3	2	000	5	3	3	40.78997
5946.44275	0.853E-27	411	5	2	3	000	5	2	4	25.12972
5946.46730	0.225E-26	411	4	3	2	000	4	3	1	36.58784
5946.59258	0.108E-26	411	4	2	3	000	4	2	2	20.94021
5946.61270	0.300E-26	411	3	3	0	000	3	3	1	33.22644
5946.74910	0.144E-26	411	3	2	1	000	3	2	2	17.57144
5946.78391	0.551E-27	411	2	1	2	000	2	1	1	5.72931
5946.85500	0.210E-26	411	2	2	1	000	2	2	0	15.05196
5947.05500	0.101E-26	411	1	1	0	000	1	1	1	3.94822
5947.13027	0.379E-27	411	3	1	2	000	3	1	3	8.02168
5947.25693	0.225E-27	411	5	1	4	000	5	1	5	15.35058
5947.44034	0.151E-27	411	7	1	6	000	7	1	7	25.92939
5947.67906	0.107E-27	411	9	1	8	000	9	1	9	39.75057
5947.87448	0.686E-27	411	1	0	1	000	0	0	0	0.00000
5948.56500	0.101E-26	411	2	1	2	000	1	1	1	3.94822
5949.26858	0.106E-26	411	3	2	1	000	2	2	0	15.05196
5949.37000	0.203E-26	411	3	0	3	000	2	0	2	2.51948
5949.42264	0.178E-26	411	3	1	2	000	2	1	1	5.72931
5949.82870	0.101E-26	411	4	3	2	000	3	3	1	33.22644
5949.93795	0.247E-26	411	4	1	4	000	3	1	3	8.02168
5949.96135	0.188E-26	411	4	2	3	000	3	2	2	17.57144
5950.29571	0.917E-27	411	5	4	1	000	4	4	0	58.48558
5950.48938	0.182E-26	411	5	3	2	000	4	3	1	36.58784
5950.57267	0.268E-27	411	13	11	2	000	12	11	1	441.68657
5950.63226	0.259E-26	411	5	2	3	000	4	2	2	20.94021
5950.66558	0.793E-27	411	6	5	2	000	5	5	1	90.81158
5950.69104	0.212E-27	411	11	10	1	000	10	10	0	357.50257
5950.71466	0.329E-26	411	5	0	5	000	4	0	4	8.39102
5950.82292	0.311E-26	411	5	1	4	000	4	1	3	11.78459
5950.91522	0.657E-27	411	7	6	1	000	6	6	0	130.18215
5950.91685	0.166E-26	411	6	4	3	000	5	4	2	62.68717
5950.96152	0.297E-27	411	10	9	2	000	9	9	1	290.26863
5951.09020	0.390E-27	411	12	10	3	000	11	10	2	366.74661
5951.09204	0.402E-27	411	9	8	1	000	8	8	0	229.94446
5951.11195	0.251E-26	411	6	3	4	000	5	3	3	40.78997
5951.13459	0.450E-27	411	15	11	4	000	14	11	3	464.37590
5951.16841	0.371E-26	411	6	1	6	000	5	1	5	15.35058
5951.24131	0.323E-26	411	6	2	5	000	5	2	4	25.12972
5951.25844	0.145E-26	411	7	5	2	000	6	5	1	95.85345 !! exclu du fit
5951.40075	0.547E-27	411	11	9	2	000	10	9	1	298.67215
5951.45529	0.537E-27	411	13	10	3	000	12	10	2	376.83081
5951.46241	0.120E-26	411	8	6	3	000	7	6	2	136.06437
5951.50409	0.230E-26	411	7	4	3	000	6	4	2	67.72941
5951.57378	0.739E-27	411	10	8	3	000	9	8	2	237.50750
5951.69967	0.311E-26	411	7	3	4	000	6	3	3	45.83360
5951.78234	0.658E-27	411	14	10	5	000	13	10	4	387.75510
5951.80295	0.754E-27	411	12	9	4	000	11	9	3	307.91590
5951.82503	0.200E-26	411	8	5	4	000	7	5	3	101.73586 !! exclu du fit
5951.85820	0.380E-26	411	7	2	5	000	6	2	4	30.20948
5951.90179	0.440E-26	411	7	0	7	000	6	0	6	17.59734
5951.97269	0.166E-26	411	9	6	3	000	8	6	2	142.78703
5952.01873	0.102E-26	411	11	8	3	000	10	8	2	245.91085
5952.05487	0.284E-26	411	8	4	5	000	7	4	4	73.61247
5952.07531	0.424E-26	411	7	1	6	000	6	1	5	21.29443
5952.16634	0.926E-27	411	13	9	4	000	12	9	3	317.99985
5952.24959	0.475E-26	411	8	1	8	000	7	1	7	25.92939
5952.25016	0.247E-26	411	9	5	4	000	8	5	3	108.45891 !! exclu du fit
5952.25177	0.364E-26	411	8	3	6	000	7	3	5	51.71786
5952.37211	0.430E-26	411	8	2	7	000	7	2	6	36.04189
5952.43046	0.126E-26	411	12	8	5	000	11	8	4	255.15448
5952.44623	0.205E-26	411	10	6	5	000	9	6	4	150.35020
5952.49923	0.107E-26	411	14	9	6	000	13	9	5	328.92396
5952.56857	0.331E-26	411	9	4	5	000	8	4	4	80.33659
5952.74304	0.287E-26	411	10	5	6	000	9	5	5	116.02272 !! exclu du fit
5952.76911	0.410E-26	411	9	3	6	000	8	3	5	58.44636
5952.80518	0.145E-26	411	13	8	5	000	12	8	4	265.23840
5952.88539	0.238E-26	411	11	6	5	000	10	6	4	158.75393
5952.92841	0.532E-26	411	9	0	9	000	8	0	8	30.11193
5952.95458	0.475E-26	411	9	2	7	000	8	2	6	42.88088
5953.04631	0.371E-26	411	10	4	7	000	9	4	6	87.90195

5953.17859	0.517E-26	411	9	1	8	000	8	1	7	34.25104	
5953.18022	0.558E-26	411	10	1	10	000	9	1	9	39.75057	
5953.19219	0.321E-26	411	11	5	6	000	10	5	5	124.42741	!! exclu du fit
5953.24635	0.450E-26	411	10	3	8	000	9	3	7	66.01268	
5953.28504	0.265E-26	411	12	6	7	000	11	6	6	167.99829	
5953.32300	0.155E-26	411	34	5	30	000	33	5	29	550.31339	
5953.35486	0.514E-26	411	10	2	9	000	9	2	8	50.30211	
5953.48658	0.405E-26	411	11	4	7	000	10	4	6	96.30894	
5953.59961	0.348E-26	411	12	5	8	000	11	5	7	133.67314	!! exclu du fit
5953.64942	0.287E-26	411	13	6	7	000	12	6	6	178.08336	
5953.69648	0.483E-26	411	11	3	8	000	10	3	7	74.43138	
5953.79199	0.602E-26	411	11	0	11	000	10	0	10	45.90075	
5953.89380	0.433E-26	411	12	4	9	000	11	4	8	105.55758	
5953.91878	0.547E-26	411	11	2	9	000	10	2	8	58.98104	
5953.96748	0.617E-26	411	12	1	12	000	11	1	11	56.80500	
5953.96915	0.370E-26	411	13	5	8	000	12	5	7	143.76007	
5953.97572	0.304E-26	411	14	6	9	000	13	6	8	189.00920	
5954.07600	0.190E-26	411	32	5	28	000	31	5	27	495.54373	
5954.09703	0.510E-26	411	12	3	10	000	11	3	9	83.67704	
5954.12725	0.586E-26	411	11	1	10	000	10	1	9	50.64321	
5954.18846	0.573E-26	411	12	2	11	000	11	2	10	67.90283	
5954.26510	0.455E-26	411	13	4	9	000	12	4	8	115.64881	
5954.26705	0.317E-26	411	15	6	9	000	14	6	8	200.77592	
5954.30173	0.387E-26	411	14	5	10	000	13	5	9	154.68835	
5954.40100	0.208E-26	411	31	5	26	000	30	5	25	469.45625	
5954.48265	0.532E-26	411	13	3	10	000	12	3	9	93.79634	
5954.49157	0.648E-26	411	13	0	13	000	12	0	12	64.92574	
5954.51987	0.325E-26	411	16	6	11	000	15	6	10	213.38360	
5954.59746	0.471E-26	411	14	4	11	000	13	4	10	126.58176	
5954.60012	0.399E-26	411	15	5	10	000	14	5	9	166.45822	
5954.60487	0.646E-26	411	14	1	14	000	13	1	13	77.08248	
5954.73995	0.329E-26	411	17	6	11	000	16	6	10	226.83233	
5954.75124	0.594E-26	411	13	2	11	000	12	2	10	78.53860	
5954.80644	0.547E-26	411	14	3	12	000	13	3	11	104.71309	
5954.81900	0.224E-26	411	33	3	30	000	32	3	29	477.12347	
5954.82173	0.345E-26	411	29	0	29	000	28	0	28	330.76862	
5954.86000	0.407E-26	411	16	5	12	000	15	5	11	179.06981	
5954.87262	0.609E-26	411	14	2	13	000	13	2	12	88.83475	
5954.89800	0.482E-26	411	15	4	11	000	14	4	10	138.35915	
5954.91718	0.330E-26	411	18	6	13	000	17	6	12	241.12223	
5954.92251	0.631E-26	411	13	1	12	000	12	1	11	70.45572	
5954.92679	0.247E-26	411	29	5	24	000	28	5	23	419.74946	
5954.95012	0.326E-26	411	30	2	29	000	29	2	28	374.65355	
5955.00399	0.418E-26	411	28	1	28	000	27	1	27	308.42459	
5955.03426	0.670E-26	411	15	0	15	000	14	0	14	87.14988	
5955.08459	0.649E-26	411	16	1	16	000	15	1	15	100.57235	
5955.12799	0.267E-26	411	25	6	19	000	24	6	18	364.71434	
5955.13289	0.557E-26	411	15	3	12	000	14	3	11	116.55199	
5955.14574	0.266E-26	411	28	5	24	000	27	5	23	396.15706	
5955.15832	0.488E-26	411	16	4	13	000	15	4	12	150.97722	
5955.16191	0.323E-26	411	20	6	15	000	19	6	14	272.22598	
5955.20663	0.281E-26	411	24	6	19	000	23	6	18	344.53275	
5955.22827	0.316E-26	411	21	6	15	000	20	6	14	289.04007	
5955.24008	0.450E-26	411	27	0	27	000	26	0	26	286.56646	
5955.25700	0.294E-26	411	23	6	17	000	22	6	16	325.19334	
5955.26895	0.306E-26	411	22	6	17	000	21	6	16	306.69580	
5955.26910	0.409E-26	411	18	5	14	000	17	5	13	206.81920	
5955.31827	0.286E-26	411	27	5	22	000	26	5	21	373.43119	
5955.37165	0.478E-26	411	26	1	26	000	25	1	25	265.85794	
5955.37217	0.562E-26	411	16	3	14	000	15	3	13	129.12198	
5955.39000	0.490E-26	411	17	4	13	000	16	4	12	164.44367	
5955.40857	0.621E-26	411	16	2	15	000	15	2	14	113.08698	
5955.42429	0.669E-26	411	17	0	17	000	16	0	16	112.54241	
5955.43216	0.653E-26	411	18	1	18	000	17	1	17	127.26394	
5955.45200	0.617E-26	411	15	2	13	000	14	2	12	101.57908	
5955.46060	0.306E-26	411	26	5	22	000	25	5	21	351.53646	
5955.46081	0.384E-26	411	28	2	27	000	27	2	26	327.55792	
5955.49822	0.363E-26	411	29	1	28	000	28	1	27	348.64507	
5955.53604	0.397E-26	411	20	5	16	000	19	5	15	237.93840	
5955.55156	0.510E-26	411	25	0	25	000	24	0	24	245.49835	
5955.55900	0.652E-26	411	15	1	14	000	14	1	13	93.66874	
5955.57388	0.487E-26	411	18	4	15	000	17	4	14	178.74687	

5955.59904	0.536E-26	411	24	1	24	000	23	1	23	226.45186
5955.62720	0.350E-26	411	28	3	26	000	27	3	25	346.23199
5955.63070	0.628E-26	411	20	1	20	000	19	1	19	157.14710
5955.63073	0.342E-26	411	24	5	20	000	23	5	19	310.29473
5955.64759	0.562E-26	411	17	3	14	000	16	3	13	142.71278
5955.65882	0.650E-26	411	19	0	19	000	18	0	18	141.08198
5955.68700	0.587E-26	411	22	1	22	000	21	1	21	190.21251
5955.72700	0.566E-26	411	23	0	23	000	22	0	22	207.56234
5955.76600	0.614E-26	411	21	0	21	000	20	0	20	172.75680
5955.78543	0.557E-26	411	18	3	16	000	17	3	15	156.90332
5955.79018	0.612E-26	411	18	2	17	000	17	2	16	140.64712
5955.82727	0.441E-26	411	26	2	25	000	25	2	24	283.67938
5955.84600	0.470E-26	411	20	4	17	000	19	4	16	209.89364
5955.89950	0.324E-26	411	29	3	26	000	28	3	25	372.41035
5955.97000	0.440E-26	411	22	4	19	000	21	4	18	244.42024
5955.97308	0.404E-26	411	26	3	24	000	25	3	23	301.67091
5955.98572	0.424E-26	411	27	1	26	000	26	1	25	302.58362
5955.99687	0.422E-26	411	23	4	19	000	22	4	18	262.99506
5956.00371	0.619E-26	411	17	2	15	000	16	2	14	128.11956
5956.02436	0.299E-26	411	29	2	27	000	28	2	26	360.41372
5956.02610	0.548E-26	411	19	3	16	000	18	3	15	172.29737
5956.02694	0.586E-26	411	20	2	19	000	19	2	18	171.50149
5956.03900	0.650E-26	411	17	1	16	000	16	1	15	120.25713
5956.04312	0.497E-26	411	24	2	23	000	23	2	22	243.03326
5956.05700	0.534E-26	411	20	3	18	000	19	3	17	188.05475
5956.10897	0.547E-26	411	22	2	21	000	21	2	20	205.63536
5956.15303	0.454E-26	411	24	3	22	000	23	3	21	260.44685
5956.18062	0.499E-26	411	22	3	20	000	21	3	19	222.57162
5956.20945	0.378E-26	411	27	3	24	000	26	3	23	325.35445
5956.27700	0.519E-26	411	21	3	18	000	20	3	17	205.32847
5956.32000	0.485E-26	411	25	1	24	000	24	1	23	259.66969
5956.35538	0.629E-26	411	19	1	18	000	18	1	17	150.18998
5956.36975	0.430E-26	411	25	3	22	000	24	3	21	281.83295
5956.39063	0.478E-26	411	23	3	20	000	22	3	19	241.83170
5956.41500	0.600E-26	411	19	2	17	000	18	2	16	158.16527
5956.46282	0.399E-26	411	27	2	25	000	26	2	24	313.12008
5956.49568	0.542E-26	411	23	1	22	000	22	1	21	219.93833
5956.50779	0.591E-26	411	21	1	20	000	20	1	19	183.43074
5956.66746	0.565E-26	411	21	2	19	000	20	2	18	191.70925
5956.69012	0.462E-26	411	25	2	23	000	24	2	22	269.21484
5956.76084	0.518E-26	411	23	2	21	000	22	2	20	228.73417

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CORRECTED CALCULATED LINES (421)
with corrected upper energies

Fcalc/Fobs	Icalc	v	J	Ka	Kc	v	J	Ka	Kc	Elower
6503.6712	0.913E-27	421	36	1	36	000	37	1	37	568.5063
6509.0404	0.116E-26	421	34	1	34	000	35	1	35	510.2025
6514.1591	0.145E-26	421	32	1	32	000	33	1	33	455.0392
6516.4940	0.163E-26	421	30	3	28	000	31	3	29	445.3079
6517.6579	0.169E-26	421	30	2	29	000	31	2	30	424.9517
6517.9129	0.167E-26	421	29	4	25	000	30	4	26	442.1125
6519.0654	0.175E-26	421	30	1	30	000	31	1	31	403.0194
6520.3693	0.184E-26	421	28	4	25	000	29	4	26	416.3526
6521.3159	0.195E-26	421	28	3	26	000	29	3	27	394.1162
6521.4474	0.190E-26	421	29	0	29	000	30	0	30	378.1063
6521.5864	0.184E-26	421	27	5	22	000	28	5	23	419.7495
6522.4197	0.203E-26	421	28	2	27	000	29	2	28	374.6536
6522.6667	0.200E-26	421	27	4	23	000	28	4	24	392.1784
6523.3130	0.208E-26	421	27	3	24	000	28	3	25	372.4103
6523.7435	0.207E-26	421	28	1	28	000	29	1	29	354.1466
6525.0120	0.216E-26	421	26	4	23	000	27	4	24	368.2959
6525.9140	0.229E-26	421	26	3	24	000	27	3	25	346.2320
6526.0227	0.221E-26	421	27	0	27	000	28	0	28	330.7686
6526.1491	0.215E-26	421	25	5	20	000	26	5	21	373.4312
6526.9226	0.237E-26	421	26	2	25	000	27	2	26	327.5579
6527.2214	0.232E-26	421	25	4	21	000	26	4	22	345.6929

6528.1613	0.245E-26	421	25	2	23	000	26	2	24	313.1201
6528.1955	0.240E-26	421	26	1	26	000	27	1	27	308.4246
6528.3285	0.229E-26	421	24	5	20	000	25	5	21	351.5365
6529.0757	0.218E-26	421	23	6	17	000	24	6	18	364.7143
6529.4321	0.247E-26	421	24	4	21	000	25	4	22	323.6207
6530.2920	0.261E-26	421	24	3	22	000	25	3	23	301.6709
6530.3683	0.252E-26	421	25	0	25	000	26	0	26	286.5665
6530.4723	0.243E-26	421	23	5	18	000	24	5	19	330.4965
6531.1613	0.230E-26	421	22	6	17	000	23	6	18	344.5328
6531.2084	0.271E-26	421	24	2	23	000	25	2	24	283.6794
6531.5424	0.262E-26	421	23	4	19	000	24	4	20	302.6369
6532.2227	0.273E-26	421	23	3	20	000	24	3	21	281.8329
6532.4253	0.271E-26	421	24	1	24	000	25	1	25	265.8579
6532.5006	0.278E-26	421	23	2	21	000	24	2	22	269.2148
6532.5260	0.256E-26	421	22	5	18	000	23	5	19	310.2947
6533.1904	0.241E-26	421	21	6	15	000	22	6	16	325.1933
6533.6289	0.276E-26	421	22	4	19	000	23	4	20	282.3288
6534.4582	0.291E-26	421	22	3	20	000	23	3	21	260.4468
6534.5015	0.279E-26	421	23	0	23	000	24	0	24	245.4983
6534.5726	0.267E-26	421	21	5	16	000	22	5	17	290.9415
6535.1610	0.249E-26	421	20	6	15	000	21	6	16	306.6958
6535.2840	0.301E-26	421	22	2	21	000	23	2	22	243.0333
6535.3992	0.223E-26	421	19	7	12	000	20	7	13	329.5197
6535.6342	0.144E-26	421	21	4	17	000	22	4	18	262.9951
6536.3301	0.301E-26	421	21	3	18	000	22	3	19	241.8317
6536.4463	0.299E-26	421	22	1	22	000	23	1	23	226.4519
6536.5481	0.277E-26	421	20	5	16	000	21	5	17	272.4295
6536.6358	0.270E-26	421	21	2	19	000	22	2	20	228.7342
6537.0802	0.257E-26	421	19	6	13	000	20	6	14	289.0401
6537.2559	0.227E-26	421	18	7	12	000	19	7	13	312.7110
6537.5997	0.299E-26	421	20	4	17	000	21	4	18	244.4202
6538.4055	0.301E-26	421	21	0	21	000	22	0	22	207.5623
6538.4057	0.315E-26	421	20	3	18	000	21	3	19	222.5716
6538.4524	0.285E-26	421	19	5	14	000	20	5	15	254.7628
6538.9442	0.262E-26	421	18	6	13	000	19	6	14	272.2260
6539.0640	0.228E-26	421	17	7	10	000	18	7	11	296.7431
6539.1570	0.326E-26	421	20	2	19	000	21	2	20	205.6354
6539.5023	0.308E-26	421	19	4	15	000	20	4	16	226.7550
6540.2104	0.323E-26	421	19	3	16	000	20	3	17	205.3285
6540.2305	0.323E-26	421	20	1	20	000	21	1	21	190.2125
6540.3135	0.291E-26	421	18	5	14	000	19	5	15	237.9384
6540.4851	0.327E-26	421	19	2	17	000	20	2	18	191.7092
6540.6267	0.296E-26	421	19	1	18	000	20	1	19	183.4307
6540.7547	0.264E-26	421	17	6	11	000	18	6	12	256.2534
6540.8170	0.227E-26	421	16	7	10	000	17	7	11	281.6157
6541.3555	0.314E-26	421	18	4	15	000	19	4	16	209.8936
6542.1030	0.316E-26	421	19	0	19	000	20	0	20	172.7568
6542.1177	0.295E-26	421	17	5	12	000	18	5	13	221.9576
6542.1352	0.331E-26	421	18	3	16	000	19	3	17	188.0547
6542.5110	0.265E-26	421	16	6	11	000	17	6	12	241.1222
6542.5232	0.224E-26	421	15	7	8	000	16	7	9	267.3289
6542.8212	0.343E-26	421	18	2	17	000	19	2	18	171.5015
6543.1483	0.319E-26	421	17	4	13	000	18	4	14	193.9070
6543.8041	0.341E-26	421	18	1	18	000	19	1	19	157.1471
6543.8620	0.296E-26	421	16	5	12	000	17	5	13	206.8192
6543.8631	0.336E-26	421	17	3	14	000	18	3	15	172.2974
6544.1594	0.343E-26	421	17	2	15	000	18	2	16	158.1653
6544.1760	0.217E-26	421	14	7	8	000	15	7	9	253.8827
6544.2112	0.262E-26	421	15	6	9	000	16	6	10	226.8323
6544.3533	0.334E-26	421	17	1	16	000	18	1	17	150.1900
6544.8886	0.321E-26	421	16	4	13	000	17	4	14	178.7469
6545.1788	0.136E-27	421	27	5	22	000	27	5	23	396.1571
6545.5541	0.294E-26	421	15	5	10	000	16	5	11	192.5235
6545.5855	0.322E-26	421	17	0	17	000	18	0	18	141.0820
6545.6451	0.339E-26	421	16	3	14	000	17	3	15	156.9033
6545.7744	0.206E-26	421	13	7	6	000	14	7	7	241.2771
6545.8550	0.256E-26	421	14	6	9	000	15	6	10	213.3836
6546.2781	0.351E-26	421	16	2	15	000	17	2	16	140.6471
6546.5742	0.319E-26	421	15	4	11	000	16	4	12	164.4437
6547.1578	0.351E-26	421	16	1	16	000	17	1	17	127.2639
6547.1918	0.289E-26	421	14	5	10	000	15	5	11	179.0698
6547.2902	0.338E-26	421	15	3	12	000	16	3	13	142.7128

6547.3157	0.192E-26	421	12	7	6	000	13	7	7	229.5119
6547.4494	0.246E-26	421	13	6	7	000	14	6	8	200.7759
6547.6150	0.106E-27	421	26	4	23	000	26	4	22	345.6929
6547.6157	0.347E-26	421	15	2	13	000	16	2	14	128.1196
6547.8130	0.347E-26	421	15	1	14	000	16	1	15	120.2571
6548.0438	0.184E-27	421	25	5	20	000	25	5	21	351.5365
6548.2064	0.315E-26	421	14	4	11	000	15	4	12	150.9772
6548.7773	0.280E-26	421	13	5	8	000	14	5	9	166.4582
6548.8052	0.174E-26	421	11	7	4	000	12	7	5	218.5873
6548.8624	0.316E-26	421	15	0	15	000	16	0	16	112.5424
6548.9461	0.335E-26	421	14	3	12	000	15	3	13	129.1220
6548.9866	0.233E-26	421	12	6	7	000	13	6	8	189.0092
6549.2572	0.326E-27	421	23	6	17	000	23	6	18	344.5328
6549.2936	0.123E-27	421	25	4	21	000	25	4	22	323.6207
6549.3685	0.213E-27	421	24	5	20	000	24	5	19	330.4965
6549.5340	0.348E-26	421	14	2	13	000	15	2	14	113.0870
6549.5865	0.768E-27	421	9	8	1	000	10	8	2	245.9108
6549.7858	0.308E-26	421	13	4	9	000	14	4	10	138.3592
6550.2420	0.151E-26	421	10	7	4	000	11	7	5	208.5030
6550.3047	0.268E-26	421	12	5	8	000	13	5	9	154.6884
6550.3193	0.351E-26	421	14	1	14	000	15	1	15	100.5723
6550.4159	0.143E-27	421	24	4	21	000	24	4	20	302.6369
6550.4690	0.216E-26	421	11	6	5	000	12	6	6	178.0834
6550.5008	0.375E-27	421	22	6	17	000	22	6	16	325.1933
6550.5041	0.328E-26	421	13	3	10	000	14	3	11	116.5520
6550.6741	0.246E-27	421	23	5	18	000	23	5	19	310.2947
6550.8580	0.340E-26	421	13	2	11	000	14	2	12	101.5791
6550.9127	0.420E-27	421	8	8	1	000	9	8	2	237.5075
6551.0433	0.343E-26	421	13	1	12	000	14	1	13	93.6687
6551.3069	0.297E-26	421	12	4	9	000	13	4	10	126.5818
6551.6262	0.123E-26	421	9	7	2	000	10	7	3	199.2593
6551.6879	0.431E-27	421	21	6	15	000	21	6	16	306.6958
6551.7833	0.253E-26	421	11	5	6	000	12	5	7	143.7601
6551.8505	0.164E-27	421	23	4	19	000	23	4	20	282.3288
6551.8792	0.282E-27	421	22	5	18	000	22	5	17	290.9415
6551.9032	0.194E-26	421	10	6	5	000	11	6	6	167.9983
6551.9500	0.293E-26	421	13	0	13	000	14	0	14	87.1499
6552.0341	0.318E-26	421	12	3	10	000	13	3	11	104.7131
6552.2079	0.690E-27	421	19	7	12	000	19	7	13	312.7110
6552.5855	0.333E-26	421	12	2	11	000	13	2	12	88.8347
6552.8167	0.493E-27	421	20	6	15	000	20	6	14	289.0401
6552.9530	0.891E-27	421	8	7	2	000	9	7	3	190.8559
6552.9626	0.189E-27	421	22	4	19	000	22	4	18	262.9951
6553.0733	0.105E-27	421	22	3	20	000	22	3	19	241.8317
6553.0846	0.323E-27	421	21	5	16	000	21	5	17	272.4295
6553.2015	0.233E-26	421	10	5	6	000	11	5	7	133.6731
6553.2238	0.788E-27	421	18	7	12	000	18	7	11	296.7431
6553.2765	0.338E-26	421	12	1	12	000	13	1	13	77.0825
6553.2770	0.168E-26	421	9	6	3	000	10	6	4	158.7539
6553.4924	0.305E-26	421	11	3	8	000	12	3	9	93.7963
6553.8843	0.319E-26	421	11	2	9	000	12	2	10	78.5386
6553.8943	0.563E-27	421	19	6	13	000	19	6	14	272.2260
6554.0139	0.326E-26	421	11	1	10	000	12	1	11	70.4557
6554.1914	0.899E-27	421	17	7	10	000	17	7	11	281.6157
6554.1961	0.264E-26	421	10	4	7	000	11	4	8	105.5576
6554.2091	0.108E-27	421	21	4	17	000	21	4	18	244.4202
6554.2148	0.370E-27	421	20	5	16	000	20	5	15	254.7628
6554.2178	0.487E-27	421	7	7	0	000	8	7	1	183.2929
6554.5750	0.209E-26	421	9	5	4	000	10	5	5	124.4274
6554.5972	0.136E-26	421	8	6	3	000	9	6	4	150.3502
6554.8618	0.248E-26	421	11	0	11	000	12	0	12	64.9257
6554.9115	0.288E-26	421	10	3	8	000	11	3	9	83.6770
6554.9168	0.642E-27	421	18	6	13	000	18	6	12	256.2534
6555.1038	0.102E-26	421	16	7	10	000	16	7	9	267.3289
6555.2649	0.248E-27	421	20	4	17	000	20	4	16	226.7550
6555.2768	0.422E-27	421	19	5	14	000	19	5	15	237.9384
6555.4350	0.305E-26	421	10	2	9	000	11	2	10	67.9028
6555.5575	0.242E-26	421	9	4	5	000	10	4	6	96.3089
6555.5902	0.114E-27	421	21	3	18	000	21	3	19	222.5716
6555.6488	0.139E-27	421	20	3	18	000	20	3	17	205.3285
6555.8640	0.989E-27	421	7	6	1	000	8	6	2	142.7870
6555.8859	0.731E-27	421	17	6	11	000	17	6	12	241.1222

6555.8913	0.180E-26	421	8	5	4	000	9	5	5	116.0227
6555.9694	0.116E-26	421	15	7	8	000	15	7	9	253.8827
6556.0405	0.314E-26	421	10	1	10	000	11	1	11	56.8050
6556.2702	0.268E-26	421	9	3	6	000	10	3	7	74.4314
6556.2943	0.480E-27	421	18	5	14	000	18	5	13	221.9576
6556.3637	0.282E-27	421	19	4	15	000	19	4	16	209.8936
6556.6901	0.286E-26	421	9	2	7	000	10	2	8	58.9810
6556.7816	0.133E-26	421	14	7	8	000	14	7	7	241.2771
6556.8009	0.830E-27	421	16	6	11	000	16	6	10	226.8323
6556.8071	0.295E-26	421	9	1	8	000	10	1	9	50.6432
6556.8682	0.216E-26	421	8	4	5	000	9	4	6	87.9019
6557.0791	0.541E-27	421	6	6	1	000	7	6	2	136.0644
6557.1537	0.146E-26	421	7	5	2	000	8	5	3	108.4589
6557.2561	0.545E-27	421	17	5	12	000	17	5	13	206.8192
6557.3421	0.321E-27	421	18	4	15	000	18	4	14	193.9070
6557.4842	0.154E-27	421	19	3	16	000	19	3	17	188.0547
6557.5396	0.151E-26	421	13	7	6	000	13	7	7	229.5119
6557.5799	0.245E-26	421	8	3	6	000	9	3	7	66.0127
6557.6304	0.168E-26	421	9	0	9	000	10	0	10	45.9008
6557.6599	0.943E-27	421	15	6	9	000	15	6	10	213.3836
6557.8925	0.182E-27	421	18	3	16	000	18	3	15	172.2974
6557.9898	0.300E-26	421	9	8	1	000	9	8	2	237.5075
6558.0810	0.265E-26	421	8	2	7	000	9	2	8	50.3021
6558.1289	0.186E-26	421	7	4	3	000	8	4	4	80.3366
6558.1577	0.618E-27	421	16	5	12	000	16	5	11	192.5235
6558.2403	0.172E-26	421	12	7	6	000	12	7	5	218.5873
6558.3084	0.365E-27	421	17	4	13	000	17	4	14	178.7469
6558.3637	0.106E-26	421	6	5	2	000	7	5	3	101.7359
6558.4627	0.107E-26	421	14	6	9	000	14	6	8	200.7759
6558.4757	0.348E-26	421	8	8	1	000	8	8	0	229.9445
6558.6072	0.276E-26	421	8	1	8	000	9	1	9	39.7506
6558.8895	0.196E-26	421	11	7	4	000	11	7	5	208.5030
6559.0078	0.701E-27	421	15	5	10	000	15	5	11	179.0698
6559.1918	0.413E-27	421	16	4	13	000	16	4	12	164.4437
6559.2161	0.122E-26	421	13	6	7	000	13	6	8	189.0092
6559.2572	0.204E-27	421	17	3	14	000	17	3	15	156.9033
6559.2767	0.239E-26	421	7	2	5	000	8	2	6	42.8809
6559.3333	0.150E-26	421	6	4	3	000	7	4	4	73.6125
6559.4016	0.252E-26	421	7	1	6	000	8	1	7	34.2510
6559.4857	0.225E-26	421	10	7	4	000	10	7	3	199.2593
6559.5238	0.580E-27	421	5	5	0	000	6	5	1	95.8535
6559.5364	0.190E-26	421	7	0	7	000	8	0	8	30.1119
6559.8034	0.795E-27	421	14	5	10	000	14	5	9	166.4582
6559.8356	0.236E-27	421	16	3	14	000	16	3	13	142.7128
6559.9124	0.138E-26	421	12	6	7	000	12	6	6	178.0834
6560.0296	0.259E-26	421	9	7	2	000	9	7	3	190.8559
6560.0375	0.186E-26	421	6	3	4	000	7	3	5	51.7179
6560.0407	0.468E-27	421	15	4	11	000	15	4	12	150.9772
6560.4873	0.109E-26	421	5	4	1	000	6	4	2	67.7294
6560.5160	0.301E-26	421	8	7	2	000	8	7	1	183.2929
6560.5242	0.211E-26	421	6	2	5	000	7	2	6	36.0419
6560.5471	0.901E-27	421	13	5	8	000	13	5	9	154.6884
6560.5541	0.158E-26	421	11	6	5	000	11	6	6	167.9983
6560.8244	0.530E-27	421	14	4	11	000	14	4	10	138.3592
6560.8810	0.266E-27	421	15	3	12	000	15	3	13	129.1220
6560.9404	0.352E-26	421	7	7	0	000	7	7	1	176.5703
6560.9869	0.226E-26	421	6	1	6	000	7	1	7	25.9294
6561.0419	0.130E-27	421	14	2	13	000	14	2	12	101.5791
6561.1476	0.181E-26	421	10	6	5	000	10	6	4	158.7539
6561.1900	0.150E-26	421	5	3	2	000	6	3	3	45.8336
6561.2330	0.102E-26	421	12	5	8	000	12	5	7	143.7601
6561.5161	0.304E-27	421	14	3	12	000	14	3	11	116.5520
6561.5632	0.601E-27	421	13	4	9	000	13	4	10	126.5818
6561.5882	0.602E-27	421	4	4	1	000	5	4	2	62.6872
6561.6448	0.180E-26	421	5	2	3	000	6	2	4	30.2095
6561.6807	0.208E-26	421	9	6	3	000	9	6	4	150.3502
6561.7899	0.197E-26	421	5	1	4	000	6	1	5	21.2944
6561.8703	0.117E-26	421	11	5	6	000	11	5	7	133.6731
6561.9740	0.187E-26	421	5	0	5	000	6	0	6	17.5973
6561.9750	0.116E-26	421	36	1	36	000	35	1	35	510.2025
6562.1604	0.241E-26	421	8	6	3	000	8	6	2	142.7870
6562.2399	0.682E-27	421	12	4	9	000	12	4	8	115.6488

6562.2867	0.109E-26	421	4	3	2	000	5	3	3	40.7900
6562.3430	0.343E-27	421	13	3	10	000	13	3	11	104.7131
6562.4472	0.133E-26	421	10	5	6	000	10	5	5	124.4274
6562.5866	0.282E-26	421	7	6	1	000	7	6	2	136.0644
6562.6483	0.115E-27	421	15	2	13	000	15	2	14	113.0870
6562.7600	0.145E-26	421	4	2	3	000	5	2	4	25.1297
6562.8817	0.171E-27	421	12	2	11	000	12	2	10	78.5386
6562.9509	0.391E-27	421	12	3	10	000	12	3	9	93.7963
6562.9613	0.334E-26	421	6	6	1	000	6	6	0	130.1822
6562.9797	0.153E-26	421	9	5	4	000	9	5	5	116.0227
6563.3331	0.608E-27	421	3	3	0	000	4	3	1	36.5878
6563.4448	0.885E-27	421	10	4	7	000	10	4	6	96.3089
6563.4551	0.177E-26	421	8	5	4	000	8	5	3	108.4589
6563.6024	0.150E-27	421	13	2	11	000	13	2	12	88.8347
6563.6117	0.445E-27	421	11	3	8	000	11	3	9	83.6770
6563.8767	0.207E-26	421	7	5	2	000	7	5	3	101.7359
6563.9645	0.102E-26	421	9	4	5	000	9	4	6	87.9019
6564.1471	0.138E-26	421	3	0	3	000	4	0	4	8.3910
6564.1571	0.508E-27	421	10	3	8	000	10	3	7	74.4314
6564.2037	0.146E-26	421	34	1	34	000	33	1	33	455.0392
6564.2461	0.245E-26	421	6	5	2	000	6	5	1	95.8535
6564.3568	0.225E-27	421	10	2	9	000	10	2	8	58.9810
6564.4335	0.117E-26	421	8	4	5	000	8	4	4	80.3366
6564.5201	0.197E-27	421	11	2	9	000	11	2	10	67.9028
6564.5657	0.297E-26	421	5	5	0	000	5	5	1	90.8116
6564.6889	0.583E-27	421	9	3	6	000	9	3	7	66.0127
6564.7996	0.593E-27	421	2	2	1	000	3	2	2	17.5714
6564.8530	0.137E-26	421	7	4	3	000	7	4	4	73.6125
6565.1462	0.674E-27	421	8	3	6	000	8	3	5	58.4464
6565.2164	0.163E-26	421	6	4	3	000	6	4	2	67.7294
6565.3690	0.260E-27	421	9	2	7	000	9	2	8	50.3021
6565.5022	0.301E-27	421	8	2	7	000	8	2	6	42.8809
6565.5295	0.197E-26	421	5	4	1	000	5	4	2	62.6872
6565.5528	0.434E-27	421	9	8	1	000	8	8	0	229.9445
6565.6219	0.105E-27	421	6	1	6	000	6	1	5	21.2944
6565.7898	0.246E-26	421	4	4	1	000	4	4	0	58.4856
6565.9218	0.933E-27	421	6	3	4	000	6	3	3	45.8336
6566.1157	0.353E-27	421	7	2	5	000	7	2	6	36.0419
6566.1789	0.179E-26	421	32	1	32	000	31	1	31	403.0194
6566.2336	0.113E-26	421	5	3	2	000	5	3	3	40.7900
6566.3566	0.418E-27	421	6	2	5	000	6	2	4	30.2095
6566.4889	0.141E-26	421	4	3	2	000	4	3	1	36.5878
6566.6945	0.186E-26	421	3	3	0	000	3	3	1	33.2264
6566.7246	0.507E-27	421	5	2	3	000	5	2	4	25.1297
6566.9495	0.633E-27	421	4	2	3	000	4	2	2	20.9402
6567.2386	0.503E-27	421	8	7	2	000	7	7	1	176.5703
6567.3190	0.120E-26	421	2	2	1	000	2	2	0	15.0520
6567.5926	0.924E-27	421	9	7	2	000	8	7	1	183.2929
6567.6857	0.200E-26	421	30	3	28	000	29	3	27	394.1162
6567.7337	0.128E-27	421	5	1	4	000	5	1	5	15.3506
6567.8470	0.204E-26	421	29	4	25	000	28	4	24	392.1784
6567.8891	0.128E-26	421	10	7	4	000	9	7	3	190.8559
6567.9047	0.220E-26	421	27	5	22	000	26	5	21	373.4312
6567.9382	0.214E-26	421	30	1	30	000	29	1	29	354.1466
6567.9560	0.208E-26	421	30	2	29	000	29	2	28	374.6536
6568.1332	0.157E-26	421	11	7	4	000	10	7	3	199.2593
6568.1758	0.243E-26	421	19	7	12	000	18	7	11	296.7431
6568.3246	0.182E-26	421	12	7	6	000	11	7	5	208.5030
6568.3512	0.244E-26	421	18	7	12	000	17	7	11	281.6157
6568.4260	0.222E-26	421	28	4	25	000	27	4	24	368.2959
6568.4642	0.202E-26	421	13	7	6	000	12	7	5	218.5873
6568.4688	0.558E-27	421	7	6	1	000	6	6	0	130.1822
6568.4782	0.242E-26	421	17	7	10	000	16	7	9	267.3289
6568.5468	0.218E-26	421	14	7	8	000	13	7	7	229.5119
6568.5500	0.237E-26	421	16	7	10	000	15	7	9	253.8827
6568.5750	0.229E-26	421	15	7	8	000	14	7	7	241.2771
6568.5967	0.251E-26	421	23	6	17	000	22	6	16	325.1933
6568.7851	0.231E-26	421	29	0	29	000	28	0	28	330.7686
6568.8830	0.102E-26	421	8	6	3	000	7	6	2	136.0644
6568.9983	0.261E-26	421	22	6	17	000	21	6	16	306.6958
6569.0838	0.252E-26	421	25	5	20	000	24	5	19	330.4965
6569.1522	0.239E-26	421	27	4	23	000	26	4	22	345.6929

6569.2001	0.237E-26	421	28	3	26	000	27	3	25	346.2320
6569.2439	0.142E-26	421	9	6	3	000	8	6	2	142.7870
6569.2880	0.596E-27	421	6	5	2	000	5	5	1	90.8116
6569.3436	0.270E-26	421	21	6	15	000	20	6	14	289.0401
6569.4655	0.250E-26	421	28	1	28	000	27	1	27	308.4246
6569.5154	0.246E-26	421	28	2	27	000	27	2	26	327.5579
6569.5513	0.175E-26	421	10	6	5	000	9	6	4	150.3502
6569.5703	0.266E-26	421	24	5	20	000	23	5	19	310.2947
6569.6308	0.277E-26	421	20	6	15	000	19	6	14	272.2260
6569.6872	0.257E-26	421	26	4	23	000	25	4	22	323.6207
6569.7311	0.617E-27	421	5	4	1	000	4	4	0	58.4856
6569.7591	0.109E-26	421	7	5	2	000	6	5	1	95.8535
6569.7985	0.203E-26	421	11	6	5	000	10	6	4	158.7539
6569.8503	0.620E-27	421	4	3	2	000	3	3	1	33.2264
6569.8669	0.282E-26	421	19	6	13	000	18	6	12	256.2534
6569.9975	0.227E-26	421	12	6	7	000	11	6	6	167.9983
6570.0186	0.107E-26	421	3	0	3	000	2	0	2	2.5195
6570.0273	0.280E-26	421	23	5	18	000	22	5	17	290.9415
6570.0480	0.284E-26	421	18	6	13	000	17	6	12	241.1222
6570.1419	0.246E-26	421	13	6	7	000	12	6	6	178.0834
6570.1758	0.283E-26	421	17	6	11	000	16	6	10	226.8323
6570.1781	0.151E-26	421	8	5	4	000	7	5	3	101.7359
6570.2248	0.265E-26	421	27	0	27	000	26	0	26	286.5665
6570.2294	0.261E-26	421	14	6	9	000	13	6	8	189.0092
6570.2496	0.279E-26	421	16	6	11	000	15	6	10	213.3836
6570.2586	0.112E-26	421	6	4	3	000	5	4	2	62.6872
6570.2676	0.272E-26	421	15	6	9	000	14	6	8	200.7759
6570.2774	0.273E-26	421	25	4	21	000	24	4	20	302.6369
6570.3183	0.107E-26	421	4	2	3	000	3	2	2	17.5714
6570.3689	0.248E-26	421	27	3	24	000	26	3	23	325.3544
6570.3912	0.292E-26	421	22	5	18	000	21	5	17	272.4295
6570.4358	0.112E-26	421	5	3	2	000	4	3	1	36.5878
6570.4751	0.273E-26	421	26	3	24	000	25	3	23	301.6709
6570.5435	0.187E-26	421	9	5	4	000	8	5	3	108.4589
6570.7240	0.289E-26	421	24	4	21	000	23	4	20	282.3288
6570.7361	0.156E-26	421	7	4	3	000	6	4	2	67.7294
6570.7513	0.302E-26	421	21	5	16	000	20	5	15	254.7628
6570.7622	0.284E-26	421	26	1	26	000	25	1	25	265.8579
6570.8011	0.283E-26	421	26	2	25	000	25	2	24	283.6794
6570.8519	0.218E-26	421	10	5	6	000	9	5	5	116.0227
6570.9141	0.149E-26	421	5	2	3	000	4	2	2	20.9402
6570.9654	0.155E-26	421	6	3	4	000	5	3	3	40.7900
6571.0392	0.310E-26	421	20	5	16	000	19	5	15	237.9384
6571.1160	0.245E-26	421	11	5	6	000	10	5	5	124.4274
6571.1576	0.193E-26	421	8	4	5	000	7	4	4	73.6125
6571.1803	0.164E-26	421	5	0	5	000	4	0	4	8.3910
6571.1842	0.303E-26	421	23	4	19	000	22	4	18	262.9951
6571.2576	0.315E-26	421	19	5	14	000	18	5	13	221.9576
6571.2997	0.170E-26	421	5	1	4	000	4	1	3	11.7846
6571.3200	0.267E-26	421	12	5	8	000	11	5	7	133.6731
6571.4327	0.318E-26	421	18	5	14	000	17	5	13	206.8192
6571.4364	0.186E-26	421	6	2	5	000	5	2	4	25.1297
6571.4365	0.296E-26	421	25	0	25	000	24	0	24	245.4983
6571.4754	0.284E-26	421	13	5	8	000	12	5	7	143.7601
6571.5161	0.306E-26	421	24	3	22	000	23	3	21	260.4468
6571.5298	0.226E-26	421	9	4	5	000	8	4	4	80.3366
6571.5375	0.316E-26	421	22	4	19	000	21	4	18	244.4202
6571.5518	0.318E-26	421	17	5	12	000	16	5	11	192.5235
6571.5657	0.204E-26	421	6	1	6	000	5	1	5	15.3506
6571.5732	0.298E-26	421	14	5	10	000	13	5	9	154.6884
6571.6114	0.315E-26	421	16	5	12	000	15	5	11	179.0698
6571.6194	0.308E-26	421	15	5	10	000	14	5	9	166.4582
6571.8313	0.316E-26	421	24	1	24	000	23	1	23	226.4519
6571.8518	0.254E-26	421	10	4	7	000	9	4	6	87.9019
6571.8545	0.318E-26	421	24	2	23	000	23	2	22	243.0333
6571.8743	0.163E-26	421	21	4	17	000	20	4	16	226.7550
6571.8747	0.226E-26	421	8	3	6	000	7	3	5	51.7179
6571.9481	0.219E-26	421	7	2	5	000	6	2	4	30.2095
6572.0510	0.177E-26	421	7	0	7	000	6	0	6	17.5973
6572.0666	0.291E-26	421	25	2	23	000	24	2	22	269.2148
6572.1263	0.336E-26	421	20	4	17	000	19	4	16	209.8936
6572.2239	0.313E-26	421	23	3	20	000	22	3	19	241.8317

6572.2552	0.256E-26	421	9	3	6	000	8	3	5	58.4464
6572.3311	0.299E-26	421	12	4	9	000	11	4	8	105.5576
6572.3334	0.334E-26	421	22	3	20	000	21	3	19	222.5716
6572.3412	0.250E-26	421	8	2	7	000	7	2	6	36.0419
6572.3503	0.342E-26	421	19	4	15	000	18	4	14	193.9070
6572.3582	0.235E-26	421	7	1	6	000	6	1	5	21.2944
6572.4284	0.263E-26	421	8	1	8	000	7	1	7	25.9294
6572.4376	0.323E-26	421	23	0	23	000	22	0	22	207.5623
6572.4962	0.316E-26	421	13	4	9	000	12	4	8	115.6488
6572.5022	0.345E-26	421	18	4	15	000	17	4	14	178.7469
6572.5758	0.282E-26	421	10	3	8	000	9	3	7	66.0127
6572.6018	0.329E-26	421	14	4	11	000	13	4	10	126.5818
6572.6116	0.346E-26	421	17	4	13	000	16	4	12	164.4437
6572.6583	0.344E-26	421	16	4	13	000	15	4	12	150.9772
6572.6587	0.338E-26	421	15	4	11	000	14	4	10	138.3592
6572.6819	0.347E-26	421	22	2	21	000	21	2	20	205.6354
6572.6857	0.343E-26	421	22	1	22	000	21	1	21	190.2125
6572.7902	0.277E-26	421	9	2	7	000	8	2	6	42.8809
6572.8333	0.339E-26	421	21	3	18	000	20	3	17	205.3285
6572.8573	0.305E-26	421	11	3	8	000	10	3	7	74.4314
6572.9226	0.355E-26	421	20	3	18	000	19	3	17	188.0547
6572.9812	0.323E-26	421	23	2	21	000	22	2	20	228.7342
6573.0357	0.302E-26	421	10	2	9	000	9	2	8	50.3021
6573.0702	0.324E-26	421	12	3	10	000	11	3	9	83.6770
6573.0949	0.311E-26	421	10	1	10	000	9	1	9	39.7506
6573.1993	0.288E-26	421	9	1	8	000	8	1	7	34.2510
6573.2110	0.342E-26	421	21	0	21	000	20	0	20	172.7568
6573.2415	0.357E-26	421	19	3	16	000	18	3	15	172.2974
6573.2598	0.339E-26	421	13	3	10	000	12	3	9	93.7963
6573.2866	0.366E-26	421	18	3	16	000	17	3	15	156.9033
6573.2909	0.368E-26	421	20	2	19	000	19	2	18	171.5015
6573.2959	0.364E-26	421	20	1	20	000	19	1	19	157.1471
6573.3550	0.351E-26	421	14	3	12	000	13	3	11	104.7131
6573.4193	0.164E-26	421	9	0	9	000	8	0	8	30.1119
6573.4264	0.365E-26	421	16	3	14	000	15	3	13	129.1220
6573.4419	0.322E-26	421	11	2	9	000	10	2	8	58.9810
6573.4477	0.364E-26	421	17	3	14	000	16	3	13	142.7128
6573.4510	0.359E-26	421	15	3	12	000	14	3	11	116.5520
6573.5175	0.341E-26	421	12	2	11	000	11	2	10	67.9028
6573.5540	0.347E-26	421	12	1	12	000	11	1	11	56.8050
6573.6608	0.293E-26	421	21	2	19	000	20	2	18	191.7092
6573.6756	0.379E-26	421	18	2	17	000	17	2	16	140.6471
6573.6873	0.376E-26	421	18	1	18	000	17	1	17	127.2639
6573.7778	0.353E-26	421	19	0	19	000	18	0	18	141.0820
6573.7863	0.367E-26	421	14	2	13	000	13	2	12	88.8347
6573.8091	0.369E-26	421	14	1	14	000	13	1	13	77.0825
6573.8264	0.331E-26	421	11	1	10	000	10	1	9	50.6432
6573.8382	0.379E-26	421	16	2	15	000	15	2	14	113.0870
6573.8494	0.379E-26	421	16	1	16	000	15	1	15	100.5723
6573.8674	0.332E-26	421	19	1	18	000	18	1	17	150.1900
6573.8867	0.251E-26	421	11	0	11	000	10	0	10	45.9008
6573.8985	0.354E-26	421	13	2	11	000	12	2	10	78.5386
6574.0290	0.371E-26	421	19	2	17	000	18	2	16	158.1653
6574.1251	0.352E-26	421	17	0	17	000	16	0	16	112.5424
6574.1562	0.373E-26	421	15	2	13	000	14	2	12	101.5791
6574.1742	0.306E-26	421	13	0	13	000	12	0	12	64.9257
6574.2051	0.378E-26	421	17	2	15	000	16	2	14	128.1196
6574.2549	0.337E-26	421	15	0	15	000	14	0	14	87.1499
6574.2563	0.359E-26	421	13	1	12	000	12	1	11	70.4557
6574.2862	0.367E-26	421	17	1	16	000	16	1	15	120.2571
6574.4014	0.373E-26	421	15	1	14	000	14	1	13	93.6687

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CORRECTED CALCULATED LINES (205)
with corrected upper energies

Fcalc/Fobs	Icalc	v	J	Ka	Kc	v	J	Ka	Kc	Elower
6525.81749	0.940E-27	205	35	1	34	000	36	1	35	563.99400
6527.10286	0.109E-26	205	35	0	35	000	36	0	36	538.93747

6530.70701	0.136E-26	205	33	1	32	000	34	1	33	505.50649
6531.01834	0.965E-27	205	32	5	28	000	33	5	29	550.31339
6531.97981	0.156E-26	205	33	0	33	000	34	0	34	482.19101
6533.38300	0.114E-26	205	31	5	26	000	32	5	27	522.55763
6533.98897	0.162E-26	205	31	3	28	000	32	3	29	477.12347
6535.42420	0.190E-26	205	31	1	30	000	32	1	31	450.11768
6535.73992	0.133E-26	205	30	5	26	000	31	5	27	495.54373
6536.68768	0.215E-26	205	31	0	31	000	32	0	32	428.58045
6536.99570	0.191E-26	205	30	3	28	000	31	3	29	445.30790
6538.01800	0.154E-26	205	29	5	24	000	30	5	25	469.45625
6538.73232	0.220E-26	205	29	3	26	000	30	3	27	423.00335
6538.98882	0.250E-26	205	30	1	30	000	31	1	31	403.01939
6539.04800	0.240E-26	205	29	2	27	000	30	2	28	411.05508
6539.96900	0.257E-26	205	29	1	28	000	30	1	29	397.82829
6540.27497	0.177E-26	205	28	5	24	000	29	5	25	444.15880
6541.21440	0.288E-26	205	29	0	29	000	30	0	30	378.10635
6541.52402	0.254E-26	205	28	3	26	000	29	3	27	394.11619
6542.46853	0.202E-26	205	27	5	22	000	28	5	23	419.74946
6543.29712	0.290E-26	205	27	3	24	000	28	3	25	372.41035
6543.42925	0.329E-26	205	28	1	28	000	29	1	29	354.14656
6543.51700	0.318E-26	205	27	2	25	000	28	2	26	360.41372
6544.34620	0.337E-26	205	27	1	26	000	28	1	27	348.64507
6544.62657	0.229E-26	205	26	5	22	000	27	5	23	396.15706
6545.27162	0.282E-26	205	26	4	23	000	27	4	24	368.29586
6545.56137	0.374E-26	205	27	0	27	000	28	0	28	330.76862
6545.88241	0.328E-26	205	26	3	24	000	27	3	25	346.23199
6546.66300	0.374E-26	205	26	2	25	000	27	2	26	327.55792
6546.72895	0.257E-26	205	25	5	20	000	26	5	21	373.43119
6547.30462	0.881E-27	205	23	9	14	000	24	9	15	504.52536
6547.34567	0.317E-26	205	25	4	21	000	26	4	22	345.69287
6547.66662	0.369E-26	205	25	3	22	000	26	3	23	325.35445
6547.69268	0.421E-26	205	26	1	26	000	27	1	27	308.42459
6547.85142	0.406E-26	205	25	2	23	000	26	2	24	313.12008
6548.31681	0.129E-26	205	23	8	15	000	24	8	16	451.78111
6548.54800	0.429E-26	205	25	1	24	000	26	1	25	302.58362
6548.78957	0.285E-26	205	24	5	20	000	25	5	21	351.53646
6549.22674	0.953E-27	205	22	9	14	000	23	9	15	484.36298
6549.45683	0.353E-26	205	24	4	21	000	25	4	22	323.62072
6549.73256	0.471E-26	205	25	0	25	000	26	0	26	286.56646
6550.05900	0.408E-26	205	24	3	22	000	25	3	23	301.67091
6550.23780	0.140E-26	205	22	8	15	000	23	8	16	431.61525
6550.78347	0.467E-26	205	24	2	23	000	25	2	24	283.67938
6550.79936	0.315E-26	205	23	5	18	000	24	5	19	330.49655
6551.09857	0.102E-26	205	21	9	12	000	22	9	13	465.04012
6551.45614	0.389E-26	205	23	4	19	000	24	4	20	302.63693
6551.78150	0.520E-26	205	24	1	24	000	25	1	25	265.85794
6551.84312	0.454E-26	205	23	3	20	000	24	3	21	281.83295
6552.00163	0.503E-26	205	23	2	21	000	24	2	22	269.21484
6552.11554	0.151E-26	205	21	8	13	000	22	8	14	412.28942
6552.58667	0.529E-26	205	23	1	22	000	24	1	23	259.66969
6552.76547	0.345E-26	205	22	5	18	000	23	5	19	310.29473
6552.92579	0.108E-26	205	20	9	12	000	21	9	13	446.55686
6553.45269	0.426E-26	205	22	4	19	000	23	4	20	282.32885
6553.71414	0.574E-26	205	23	0	23	000	24	0	24	245.49835
6553.94874	0.161E-26	205	20	8	13	000	21	8	14	393.80365
6554.05262	0.487E-26	205	22	3	20	000	23	3	21	260.44685
6554.68212	0.374E-26	205	21	5	16	000	22	5	17	290.94154
6554.70133	0.113E-26	205	19	9	10	000	20	9	11	428.91325
6554.73800	0.564E-26	205	22	2	21	000	23	2	22	243.03326
6554.95100	0.228E-26	205	20	7	14	000	21	7	15	347.16904
6555.36813	0.463E-26	205	21	4	17	000	22	4	18	262.99506
6555.68041	0.626E-26	205	22	1	22	000	23	1	23	226.45186
6555.73265	0.169E-26	205	19	8	11	000	20	8	12	376.15796
6555.82058	0.541E-26	205	21	3	18	000	22	3	19	241.83170
6555.97281	0.602E-26	205	21	2	19	000	22	2	20	228.73417
6556.43969	0.117E-26	205	18	9	10	000	19	9	11	412.10938
6556.45180	0.633E-26	205	21	1	20	000	22	1	21	219.93833
6556.55103	0.402E-26	205	20	5	16	000	21	5	17	272.42949
6556.74568	0.241E-26	205	19	7	12	000	20	7	13	329.51970
6557.25955	0.498E-26	205	20	4	17	000	21	4	18	244.42024
6557.45759	0.176E-26	205	18	8	11	000	19	8	12	359.35239
6557.48645	0.589E-26	205	21	0	21	000	22	0	22	207.56234

6557.86156	0.581E-26	205	20	3	18	000	21	3	19	222.57162
6558.11861	0.119E-26	205	17	9	8	000	18	9	9	396.14531
6558.37192	0.428E-26	205	19	5	14	000	20	5	15	254.76284
6558.49365	0.252E-26	205	18	7	12	000	19	7	13	312.71105
6558.50500	0.660E-26	205	20	2	19	000	21	2	20	205.63536
6558.68200	0.737E-27	205	16	10	7	000	17	10	8	439.85201
6559.08487	0.531E-26	205	19	4	15	000	20	4	16	226.75495
6559.16400	0.181E-26	205	17	8	9	000	18	8	10	343.38696
6559.39654	0.728E-26	205	20	1	20	000	21	1	21	190.21251
6559.59147	0.622E-26	205	19	3	16	000	20	3	17	205.32847
6559.76238	0.119E-26	205	16	9	8	000	17	9	9	381.02110
6559.76751	0.696E-26	205	19	2	17	000	20	2	18	191.70925
6560.14622	0.451E-26	205	18	5	14	000	19	5	15	237.93840
6560.14998	0.735E-26	205	19	1	18	000	20	1	19	183.43074
6560.20294	0.261E-26	205	17	7	10	000	18	7	11	296.74306
6560.26749	0.710E-27	205	15	10	5	000	16	10	6	425.56796
6560.81091	0.183E-26	205	16	8	9	000	17	8	10	328.26168
6560.83512	0.268E-26	205	17	6	11	000	18	6	12	256.25341
6560.87320	0.561E-26	205	18	4	15	000	19	4	16	209.89364
6561.13209	0.776E-26	205	19	0	19	000	20	0	20	172.75680
6561.35227	0.117E-26	205	15	9	6	000	16	9	7	366.73680
6561.48196	0.655E-26	205	18	3	16	000	19	3	17	188.05475
6561.85509	0.267E-26	205	16	7	10	000	17	7	11	281.61570
6561.87057	0.471E-26	205	17	5	12	000	18	5	13	221.95763
6562.09177	0.746E-26	205	18	2	17	000	19	2	18	171.50149
6562.41284	0.183E-26	205	15	8	7	000	16	8	8	313.97659
6562.52124	0.279E-26	205	16	6	11	000	17	6	12	241.12223
6562.60486	0.587E-26	205	17	4	13	000	18	4	14	193.90699
6562.89974	0.112E-26	205	14	9	6	000	15	9	7	353.29248
6562.92721	0.820E-26	205	18	1	18	000	19	1	19	157.14710
6563.15622	0.689E-26	205	17	3	14	000	18	3	15	172.29737
6563.29666	0.592E-27	205	13	10	3	000	14	10	4	399.51944
6563.37219	0.777E-26	205	17	2	15	000	18	2	16	158.16527
6563.52790	0.227E-27	205	12	11	2	000	13	11	3	452.61124
6563.54852	0.487E-26	205	16	5	12	000	17	5	13	206.81920
6563.67487	0.823E-26	205	17	1	16	000	18	1	17	150.18998
6563.95964	0.178E-26	205	14	8	7	000	15	8	8	300.53169
6564.16258	0.287E-26	205	15	6	9	000	16	6	10	226.83233
6564.29452	0.608E-26	205	16	4	13	000	17	4	14	178.74687
6564.39922	0.104E-26	205	13	9	4	000	14	9	5	340.68819
6564.55129	0.865E-26	205	17	0	17	000	18	0	18	141.08198
6564.68431	0.115E-27	205	28	5	24	000	28	5	23	419.74946
6564.73800	0.494E-27	205	12	10	3	000	13	10	4	387.75510
6564.88532	0.266E-26	205	14	7	8	000	15	7	9	253.88274
6564.91337	0.702E-26	205	16	3	14	000	17	3	15	156.90332
6564.92868	0.126E-27	205	11	11	0	000	12	11	1	441.68657
6565.17757	0.497E-26	205	15	5	10	000	16	5	11	192.52346
6565.46328	0.170E-26	205	13	8	5	000	14	8	6	287.92702
6565.49293	0.815E-26	205	16	2	15	000	17	2	16	140.64712
6565.75302	0.291E-26	205	14	6	9	000	15	6	10	213.38360
6565.85325	0.927E-27	205	12	9	4	000	13	9	5	328.92396
6565.93226	0.624E-26	205	15	4	11	000	16	4	12	164.44367
6566.06093	0.142E-27	205	27	5	22	000	27	5	23	396.15706
6566.13180	0.366E-27	205	11	10	1	000	12	10	2	376.83081
6566.27080	0.892E-26	205	16	1	16	000	17	1	17	127.26394
6566.42043	0.259E-26	205	13	7	6	000	14	7	7	241.27708
6566.51912	0.714E-26	205	15	3	12	000	16	3	13	142.71278
6566.75709	0.501E-26	205	14	5	10	000	15	5	11	179.06981
6566.78308	0.835E-26	205	15	2	13	000	16	2	14	128.11956
6566.92025	0.157E-26	205	12	8	5	000	13	8	6	276.16258
6567.02045	0.887E-26	205	15	1	14	000	16	1	15	120.25713
6567.25705	0.772E-27	205	11	9	2	000	12	9	3	317.99985
6567.29039	0.292E-26	205	13	6	7	000	14	6	8	200.77592
6567.35244	0.173E-27	205	26	5	22	000	26	5	21	373.43119
6567.46700	0.309E-27	205	23	9	14	000	23	9	15	484.36298
6567.48196	0.203E-27	205	10	10	1	000	11	10	2	366.74661
6567.51956	0.632E-26	205	14	4	11	000	15	4	12	150.97722
6567.78292	0.927E-26	205	15	0	15	000	16	0	16	112.54241
6567.87461	0.132E-27	205	26	4	23	000	26	4	22	345.69287
6567.90067	0.246E-26	205	12	7	6	000	13	7	7	229.51193
6568.13912	0.650E-26	205	14	3	12	000	15	3	13	129.12198
6568.28895	0.498E-26	205	13	5	8	000	14	5	9	166.45822

6568.32922	0.139E-26	205	11	8	3	000	12	8	4	265.23840
6568.48267	0.347E-27	205	23	8	15	000	23	8	16	431.61525
6568.54960	0.370E-27	205	22	9	14	000	22	9	13	465.04012
6568.62368	0.211E-27	205	25	5	20	000	25	5	21	351.53646
6568.70260	0.856E-26	205	14	2	13	000	15	2	14	113.08698
6568.78439	0.287E-26	205	12	6	7	000	13	6	8	189.00920
6569.05724	0.633E-26	205	13	4	9	000	14	4	10	138.35915
6569.33900	0.226E-26	205	11	7	4	000	12	7	5	218.58726
6569.41782	0.161E-27	205	25	4	21	000	25	4	22	323.62072
6569.42404	0.936E-26	205	14	1	14	000	15	1	15	100.57235
6569.56363	0.415E-27	205	22	8	15	000	22	8	14	412.28942
6569.58183	0.440E-27	205	21	9	12	000	21	9	13	446.55686
6569.67354	0.744E-26	205	13	3	10	000	14	3	11	116.55199
6569.69737	0.116E-26	205	10	8	3	000	11	8	4	255.15448
6569.77316	0.488E-26	205	12	5	8	000	13	5	9	154.68835
6569.82948	0.255E-27	205	24	5	20	000	24	5	19	330.49655
6569.89696	0.116E-27	205	24	3	22	000	24	3	21	281.83295
6569.92619	0.316E-27	205	9	9	0	000	10	9	1	298.67215
6569.99365	0.861E-26	205	13	2	11	000	14	2	12	101.57908
6570.17933	0.920E-26	205	13	1	12	000	14	1	13	93.66874
6570.22520	0.276E-26	205	11	6	5	000	12	6	6	178.08336
6570.44063	0.195E-27	205	24	4	21	000	24	4	20	302.63693
6570.54828	0.625E-26	205	12	4	9	000	13	4	10	126.58176
6570.56940	0.522E-27	205	20	9	12	000	20	9	11	428.91325
6570.60131	0.494E-27	205	21	8	13	000	21	8	14	393.80365
6570.71022	0.200E-26	205	10	7	4	000	11	7	5	208.50304
6570.82983	0.956E-26	205	13	0	13	000	14	0	14	87.14988
6571.00118	0.306E-27	205	23	5	18	000	23	5	19	310.29473
6571.01165	0.853E-27	205	9	8	1	000	10	8	2	245.91085
6571.18452	0.752E-26	205	12	3	10	000	13	3	11	104.71309
6571.20745	0.469E-26	205	11	5	6	000	12	5	7	143.76007
6571.50520	0.616E-27	205	19	9	10	000	19	9	11	412.10938
6571.59443	0.586E-27	205	20	8	13	000	20	8	12	376.15796
6571.72361	0.861E-26	205	12	2	11	000	13	2	12	88.83475
6571.76422	0.235E-27	205	23	4	19	000	23	4	20	282.32885
6571.98852	0.608E-26	205	11	4	7	000	12	4	8	115.64881
6572.04111	0.165E-26	205	9	7	2	000	10	7	3	199.25926
6572.11866	0.367E-27	205	22	5	18	000	22	5	17	290.94154
6572.27996	0.472E-27	205	8	8	1	000	9	8	2	237.50750
6572.38273	0.942E-26	205	12	1	12	000	13	1	13	77.08248
6572.40376	0.725E-27	205	18	9	10	000	18	9	9	396.14531
6572.43111	0.109E-27	205	20	2	19	000	20	2	18	191.70925
6572.53822	0.692E-27	205	19	8	11	000	19	8	12	359.35239
6572.59360	0.440E-26	205	10	5	6	000	11	5	7	133.67314
6572.60034	0.612E-27	205	20	7	14	000	20	7	13	329.51970
6572.62308	0.738E-26	205	11	3	8	000	12	3	9	93.79634
6572.66777	0.169E-27	205	22	3	20	000	22	3	19	241.83170
6572.78648	0.282E-27	205	22	4	19	000	22	4	18	262.99506
6572.96301	0.234E-26	205	9	6	3	000	10	6	4	158.75393
6572.96605	0.835E-27	205	16	10	7	000	16	10	6	425.56796
6572.99981	0.847E-26	205	11	2	9	000	12	2	10	78.53860
6573.15500	0.911E-26	205	11	1	10	000	12	1	11	70.45572
6573.19417	0.437E-27	205	21	5	16	000	21	5	17	272.42949
6573.22922	0.144E-27	205	23	3	20	000	23	3	21	260.44685
6573.24282	0.851E-27	205	17	9	8	000	17	9	9	381.02110
6573.31670	0.122E-26	205	8	7	2	000	9	7	3	190.85589
6573.37944	0.580E-26	205	10	4	7	000	11	4	8	105.55758
6573.42302	0.815E-27	205	18	8	11	000	18	8	10	343.38696
6573.55433	0.723E-27	205	19	7	12	000	19	7	13	312.71105
6573.69410	0.945E-26	205	11	0	11	000	12	0	12	64.92574
6573.71170	0.975E-27	205	15	10	5	000	15	10	6	412.12375
6573.92581	0.401E-26	205	9	5	4	000	10	5	5	124.42741
6573.94295	0.336E-27	205	21	4	17	000	21	4	18	244.42024
6574.02780	0.713E-26	205	10	3	8	000	11	3	9	83.67704
6574.04668	0.995E-27	205	16	9	8	000	16	9	7	366.73680
6574.21767	0.518E-27	205	20	5	16	000	20	5	15	254.76284
6574.25785	0.199E-26	205	8	6	3	000	9	6	4	150.35020
6574.28928	0.956E-27	205	17	8	9	000	17	8	10	328.26168
6574.45257	0.123E-26	205	12	11	2	000	12	11	1	441.68657
6574.46164	0.852E-27	205	18	7	12	000	18	7	11	296.74306
6574.54520	0.673E-27	205	7	7	0	000	8	7	1	183.29291
6574.55093	0.824E-26	205	10	2	9	000	11	2	10	67.90283

6574.71922	0.541E-26	205	9	4	5	000	10	4	6	96.30894
6574.79659	0.116E-26	205	15	9	6	000	15	9	7	353.29248
6574.92484	0.399E-27	205	20	4	17	000	20	4	16	226.75495
6575.01327	0.143E-26	205	11	11	0	000	11	11	1	431.60198
6575.06100	0.132E-26	205	13	10	3	000	13	10	4	387.75510
6575.08066	0.209E-27	205	21	3	18	000	21	3	19	222.57162
6575.09600	0.112E-26	205	16	8	9	000	16	8	8	313.97659
6575.10471	0.249E-27	205	20	3	18	000	20	3	17	205.32847
6575.15826	0.905E-26	205	10	1	10	000	11	1	11	56.80500
6575.19636	0.612E-27	205	19	5	14	000	19	5	15	237.93840
6575.21260	0.351E-26	205	8	5	4	000	9	5	5	116.02272
6575.33030	0.100E-26	205	17	7	10	000	17	7	11	281.61570
6575.36891	0.676E-26	205	9	3	6	000	10	3	7	74.43138
6575.42799	0.156E-27	205	18	2	17	000	18	2	16	158.16527
6575.50403	0.135E-26	205	14	9	6	000	14	9	5	340.68819
6575.50612	0.151E-26	205	7	6	1	000	8	6	2	142.78703
6575.66229	0.154E-26	205	12	10	3	000	12	10	2	376.83081
6575.79381	0.788E-26	205	9	2	7	000	10	2	8	58.98104
6575.85774	0.131E-26	205	15	8	7	000	15	8	8	300.53169
6575.93867	0.857E-26	205	9	1	8	000	10	1	9	50.64321
6575.94618	0.472E-27	205	19	4	15	000	19	4	16	209.89364
6575.96630	0.719E-27	205	17	6	11	000	17	6	12	241.12223
6576.01229	0.490E-26	205	8	4	5	000	9	4	6	87.90195
6576.12699	0.721E-27	205	18	5	14	000	18	5	13	221.95763
6576.14185	0.117E-26	205	16	7	10	000	16	7	9	267.32894
6576.16345	0.158E-26	205	13	9	4	000	13	9	5	328.92396
6576.21600	0.179E-26	205	11	10	1	000	11	10	2	366.74661
6576.37593	0.889E-26	205	9	0	9	000	10	0	10	45.90075
6576.44902	0.288E-26	205	7	5	2	000	8	5	3	108.45891
6576.56431	0.152E-26	205	14	8	7	000	14	8	6	287.92702
6576.66982	0.626E-26	205	8	3	6	000	9	3	7	66.01268
6576.70406	0.871E-27	205	6	6	1	000	7	6	2	136.06437
6576.72600	0.209E-26	205	10	10	1	000	10	10	0	357.50257
6576.77736	0.183E-26	205	12	9	4	000	12	9	3	317.99985
6576.81114	0.853E-27	205	16	6	11	000	16	6	10	226.83233
6576.85985	0.556E-27	205	18	4	15	000	18	4	14	193.90699
6576.86519	0.298E-27	205	19	3	16	000	19	3	17	188.05475
6577.00900	0.846E-27	205	17	5	12	000	17	5	13	206.81920
6577.17951	0.740E-26	205	8	2	7	000	9	2	8	50.30211
6577.22772	0.177E-26	205	13	8	5	000	13	8	6	276.16258
6577.23934	0.350E-27	205	18	3	16	000	18	3	15	172.29737
6577.25319	0.427E-26	205	7	4	3	000	8	4	4	80.33659
6577.34100	0.214E-26	205	11	9	2	000	11	9	3	307.91590
6577.49098	0.159E-26	205	14	7	8	000	14	7	7	241.27708
6577.61131	0.101E-26	205	15	6	9	000	15	6	10	213.38360
6577.63544	0.212E-26	205	6	5	2	000	7	5	3	101.73586
6577.73113	0.821E-26	205	8	1	8	000	9	1	9	39.75057
6577.76498	0.653E-27	205	17	4	13	000	17	4	14	178.74687
6577.84426	0.990E-27	205	16	5	12	000	16	5	11	192.52346
6577.84443	0.206E-26	205	12	8	5	000	12	8	4	265.23840
6577.91342	0.564E-26	205	7	3	4	000	8	3	5	58.44636
6578.02049	0.222E-27	205	16	2	15	000	16	2	14	128.11956
6578.18559	0.186E-26	205	13	7	6	000	13	7	7	229.51193
6578.32971	0.292E-26	205	9	9	0	000	9	9	1	290.26863
6578.36070	0.119E-26	205	14	6	9	000	14	6	8	200.77592
6578.37152	0.680E-26	205	7	2	5	000	8	2	6	42.88088
6578.41314	0.240E-26	205	11	8	3	000	11	8	4	255.15448
6578.44350	0.350E-26	205	6	4	3	000	7	4	4	73.61247
6578.52514	0.755E-26	205	7	1	6	000	8	1	7	34.25104
6578.55027	0.414E-27	205	17	3	14	000	17	3	15	156.90332
6578.59772	0.764E-27	205	16	4	13	000	16	4	12	164.44367
6578.63122	0.116E-26	205	15	5	10	000	15	5	11	179.06981
6578.77695	0.117E-26	205	5	5	0	000	6	5	1	95.85345
6578.82534	0.216E-26	205	12	7	6	000	12	7	5	218.58726
6578.87668	0.785E-26	205	7	0	7	000	8	0	8	30.11193
6578.94100	0.280E-26	205	10	8	3	000	10	8	2	245.91085
6579.00949	0.121E-27	205	12	1	12	000	12	1	11	70.45572
6579.05711	0.141E-26	205	13	6	7	000	13	6	8	189.00920
6579.10391	0.477E-27	205	16	3	14	000	16	3	13	142.71278
6579.10790	0.489E-26	205	6	3	4	000	7	3	5	51.71786
6579.36868	0.135E-26	205	14	5	10	000	14	5	9	166.45822
6579.39871	0.892E-27	205	15	4	11	000	15	4	12	150.97722

6579.41500	0.328E-26	205	9	8	1	000	9	8	2	237.50750
6579.42322	0.252E-26	205	11	7	4	000	11	7	5	208.50304
6579.58485	0.257E-26	205	5	4	1	000	6	4	2	67.72941
6579.61771	0.608E-26	205	6	2	5	000	7	2	6	36.04189
6579.71023	0.167E-26	205	12	6	7	000	12	6	6	178.08336
6579.84300	0.386E-26	205	8	8	1	000	8	8	0	229.94446
6579.95400	0.294E-26	205	10	7	4	000	10	7	3	199.25926
6579.97527	0.132E-27	205	19	2	17	000	19	2	18	171.50149
6580.05882	0.157E-26	205	13	5	8	000	13	5	9	154.68835
6580.10992	0.553E-27	205	15	3	12	000	15	3	13	129.12198
6580.11018	0.690E-26	205	6	1	6	000	7	1	7	25.92939
6580.13763	0.104E-26	205	14	4	11	000	14	4	10	138.35915
6580.21050	0.311E-27	205	14	2	13	000	14	2	12	101.57908
6580.25371	0.399E-26	205	5	3	2	000	6	3	3	45.83360
6580.31027	0.199E-26	205	11	6	5	000	11	6	6	167.99829
6580.44448	0.344E-26	205	9	7	2	000	9	7	3	190.85589
6580.67515	0.143E-26	205	4	4	1	000	5	4	2	62.68717
6580.70144	0.182E-26	205	12	5	8	000	12	5	7	143.76007
6580.70911	0.577E-27	205	14	3	12	000	14	3	11	116.55199
6580.73769	0.522E-26	205	5	2	3	000	6	2	4	30.20948
6580.83463	0.121E-26	205	13	4	9	000	13	4	10	126.58176
6580.87968	0.405E-26	205	8	7	2	000	8	7	1	183.29291
6580.89034	0.188E-27	205	17	2	15	000	17	2	16	140.64712
6580.91262	0.605E-26	205	5	1	4	000	6	1	5	21.29443
6581.18972	0.636E-26	205	5	0	5	000	6	0	6	17.59734
6581.26780	0.481E-26	205	7	7	0	000	7	7	1	176.57031
6581.29439	0.212E-26	205	11	5	6	000	11	5	7	133.67314
6581.32005	0.163E-27	205	10	1	10	000	10	1	9	50.64321
6581.34667	0.292E-26	205	4	3	2	000	5	3	3	40.78997
6581.36674	0.285E-26	205	9	6	3	000	9	6	4	150.35020
6581.48123	0.141E-26	205	12	4	9	000	12	4	8	115.64881
6581.51244	0.766E-27	205	13	3	10	000	13	3	11	104.71309
6581.81566	0.265E-27	205	15	2	13	000	15	2	14	113.08698
6581.82102	0.346E-26	205	8	6	3	000	8	6	2	142.78703
6581.83933	0.248E-26	205	10	5	6	000	10	5	5	124.42741
6581.85111	0.424E-26	205	4	2	3	000	5	2	4	25.12972
6582.01976	0.432E-27	205	12	2	11	000	12	2	10	78.53860
6582.07975	0.164E-26	205	11	4	7	000	11	4	8	105.55758
6582.10127	0.907E-27	205	12	3	10	000	12	3	9	93.79634
6582.22878	0.425E-26	205	7	6	1	000	7	6	2	136.06437
6582.28962	0.515E-26	205	4	1	4	000	5	1	5	15.35058
6582.33050	0.290E-26	205	9	5	4	000	9	5	5	116.02272
6582.38887	0.164E-26	205	3	3	0	000	4	3	1	36.58784
6582.58628	0.532E-26	205	6	6	1	000	6	6	0	130.18215
6582.62808	0.191E-26	205	10	4	7	000	10	4	6	96.30894
6582.73798	0.368E-27	205	13	2	11	000	13	2	12	88.83475
6582.74238	0.106E-26	205	11	3	8	000	11	3	9	83.67704
6582.77641	0.341E-26	205	8	5	4	000	8	5	3	108.45891
6582.88758	0.310E-26	205	3	2	1	000	4	2	2	20.94021
6583.10112	0.411E-26	205	3	1	2	000	4	1	3	11.78459
6583.12621	0.223E-26	205	9	4	5	000	9	4	6	87.90195
6583.17207	0.405E-26	205	7	5	2	000	7	5	3	101.73586
6583.23066	0.222E-27	205	8	1	8	000	8	1	7	34.25104
6583.27346	0.124E-26	205	10	3	8	000	10	3	7	74.43138
6583.31455	0.448E-26	205	3	0	3	000	4	0	4	8.39102
6583.47272	0.597E-27	205	10	2	9	000	10	2	8	58.98104
6583.51785	0.486E-26	205	6	5	2	000	6	5	1	95.85345
6583.57765	0.263E-26	205	8	4	5	000	8	4	4	80.33659
6583.63558	0.508E-27	205	11	2	9	000	11	2	10	67.90283
6583.78761	0.145E-26	205	9	3	6	000	9	3	7	66.01268
6583.81882	0.596E-26	205	5	5	0	000	5	5	1	90.81158
6583.84931	0.118E-26	205	35	0	35	000	34	0	34	482.19101
6583.88551	0.176E-26	205	2	2	1	000	3	2	2	17.57144
6583.97731	0.312E-26	205	7	4	3	000	7	4	4	73.61247
6584.23614	0.170E-26	205	8	3	6	000	8	3	5	58.44636
6584.27291	0.299E-26	205	2	1	2	000	3	1	3	8.02168
6584.30500	0.102E-26	205	35	1	34	000	34	1	33	505.50649
6584.32656	0.375E-26	205	6	4	3	000	6	4	2	67.72941
6584.47274	0.702E-27	205	9	2	7	000	9	2	8	50.30211
6584.53716	0.124E-27	205	12	11	2	000	11	11	1	431.60198
6584.60074	0.830E-27	205	8	2	7	000	8	2	6	42.88088
6584.62709	0.459E-26	205	5	4	1	000	5	4	2	62.68717

6584.64192	0.202E-26	205	7	3	4	000	7	3	5	51.71786
6584.74514	0.316E-27	205	6	1	6	000	6	1	5	21.29443
6584.87674	0.579E-26	205	4	4	1	000	4	4	0	58.48558
6584.99216	0.243E-26	205	6	3	4	000	6	3	3	45.83360
6585.08716	0.170E-26	205	1	1	0	000	2	1	1	5.72931
6585.21051	0.988E-27	205	7	2	5	000	7	2	6	36.04189
6585.24462	0.231E-26	205	1	0	1	000	2	0	2	2.51948
6585.29734	0.297E-26	205	5	3	2	000	5	3	3	40.78997
6585.45012	0.119E-26	205	6	2	5	000	6	2	4	30.20948
6585.46004	0.201E-27	205	11	10	1	000	10	10	0	357.50257
6585.54880	0.375E-26	205	4	3	2	000	4	3	1	36.58784
6585.59037	0.169E-26	205	33	0	33	000	32	0	32	428.58045
6585.74649	0.361E-27	205	12	10	3	000	11	10	2	366.74661
6585.75027	0.497E-26	205	3	3	0	000	3	3	1	33.22644
6585.78800	0.105E-26	205	32	5	28	000	31	5	27	495.54373
6585.81745	0.146E-26	205	5	2	3	000	5	2	4	25.12972
6585.85561	0.488E-27	205	4	1	4	000	4	1	3	11.78459
6585.98529	0.487E-27	205	13	10	3	000	12	10	2	376.83081
6586.04062	0.184E-26	205	4	2	3	000	4	2	2	20.94021
6586.09581	0.148E-26	205	33	1	32	000	32	1	31	450.11768
6586.25635	0.244E-26	205	3	2	1	000	3	2	2	17.57144
6586.31601	0.650E-27	205	15	10	5	000	14	10	4	399.51944
6586.40499	0.355E-26	205	2	2	1	000	2	2	0	15.05196
6586.41026	0.695E-27	205	16	10	7	000	15	10	6	412.12375
6586.48438	0.124E-26	205	31	5	26	000	30	5	25	469.45625
6586.56528	0.940E-27	205	2	1	2	000	2	1	1	5.72931
6586.58475	0.565E-27	205	11	9	2	000	10	9	1	298.67215
6586.76559	0.108E-27	205	13	1	12	000	13	1	13	77.08248
6586.78986	0.916E-27	205	23	9	14	000	22	9	13	465.04012
6586.80572	0.143E-27	205	11	1	10	000	11	1	11	56.80500
6586.83131	0.192E-27	205	9	1	8	000	9	1	9	39.75057
6586.84679	0.265E-27	205	7	1	6	000	7	1	7	25.92939
6586.85647	0.389E-27	205	5	1	4	000	5	1	5	15.35058
6586.86131	0.763E-27	205	12	9	4	000	11	9	3	307.91590
6586.86403	0.648E-27	205	3	1	2	000	3	1	3	8.02168
6586.86825	0.171E-26	205	1	1	0	000	1	1	1	3.94822
6586.97804	0.469E-27	205	9	8	1	000	8	8	0	229.94446
6587.03286	0.984E-27	205	22	9	14	000	21	9	13	446.55686
6587.08756	0.915E-27	205	13	9	4	000	12	9	3	317.99985
6587.12485	0.145E-26	205	30	5	26	000	29	5	25	444.15880
6587.16179	0.234E-26	205	31	0	31	000	30	0	30	378.10635
6587.22544	0.105E-26	205	21	9	12	000	20	9	11	428.91325
6587.26826	0.103E-26	205	14	9	6	000	13	9	5	328.92396
6587.34435	0.846E-27	205	10	8	3	000	9	8	2	237.50750
6587.37327	0.110E-26	205	20	9	12	000	19	9	11	412.10938
6587.40088	0.110E-26	205	15	9	6	000	14	9	5	340.68819
6587.46927	0.114E-26	205	19	9	10	000	18	9	9	396.14531
6587.49100	0.115E-26	205	16	9	8	000	15	9	7	353.29248
6587.52712	0.117E-26	205	17	9	8	000	16	9	7	366.73680
6587.52797	0.116E-26	205	18	9	10	000	17	9	9	381.02110
6587.60228	0.670E-27	205	8	7	2	000	7	7	1	176.57031
6587.65677	0.115E-26	205	11	8	3	000	10	8	2	245.91085
6587.71359	0.207E-26	205	31	1	30	000	30	1	29	397.82829
6587.72479	0.168E-26	205	29	5	24	000	28	5	23	419.74946
6587.76410	0.117E-26	205	1	0	1	000	0	0	0	0.00000
6587.80850	0.135E-26	205	23	8	15	000	22	8	14	412.28942
6587.86165	0.272E-26	205	30	1	30	000	29	1	29	354.14656
6587.92835	0.138E-26	205	12	8	5	000	11	8	4	255.15448
6588.00746	0.121E-26	205	9	7	2	000	8	7	1	183.29291
6588.04940	0.146E-26	205	22	8	15	000	21	8	14	393.80365
6588.10909	0.178E-26	205	31	3	28	000	30	3	27	423.00335
6588.11100	0.834E-27	205	7	6	1	000	6	6	0	130.18215
6588.15190	0.156E-26	205	13	8	5	000	12	8	4	265.23840
6588.18741	0.209E-26	205	30	3	28	000	29	3	27	394.11619
6588.24700	0.156E-26	205	21	8	13	000	20	8	12	376.15796
6588.27671	0.192E-26	205	28	5	24	000	27	5	23	396.15706
6588.32875	0.168E-26	205	14	8	7	000	13	8	6	276.16258
6588.34637	0.170E-26	205	2	1	2	000	1	1	1	3.94822
6588.35737	0.164E-26	205	10	7	4	000	9	7	3	190.85589
6588.40000	0.165E-26	205	20	8	13	000	19	8	12	359.35239
6588.46241	0.176E-26	205	15	8	7	000	14	8	6	287.92702
6588.50365	0.172E-26	205	19	8	11	000	18	8	10	343.38696

6588.54090	0.180E-26	205	16	8	9	000	15	8	8	300.53169
6588.54368	0.145E-26	205	8	6	3	000	7	6	2	136.06437
6588.54830	0.177E-26	205	18	8	11	000	17	8	10	328.26168
6588.55213	0.313E-26	205	29	0	29	000	28	0	28	330.76862
6588.55972	0.117E-26	205	6	5	2	000	5	5	1	90.81158
6588.57437	0.180E-26	205	17	8	9	000	16	8	8	313.97659
6588.66700	0.198E-26	205	11	7	4	000	10	7	3	199.25926
6588.77583	0.176E-26	205	3	2	1	000	2	2	0	15.05196
6588.78680	0.219E-26	205	27	5	22	000	26	5	21	373.43119
6588.82868	0.143E-26	205	5	4	1	000	4	4	0	58.48558
6588.90956	0.224E-26	205	12	7	6	000	11	7	5	208.50304
6588.91020	0.164E-26	205	4	3	2	000	3	3	1	33.22644
6588.92991	0.192E-26	205	9	6	3	000	8	6	2	142.78703
6589.05448	0.211E-26	205	7	5	2	000	6	5	1	95.85345
6589.11025	0.243E-26	205	13	7	6	000	12	7	5	218.58726
6589.15122	0.357E-26	205	28	1	28	000	27	1	27	308.42459
6589.15222	0.279E-26	205	29	1	28	000	28	1	27	348.64507
6589.15640	0.298E-26	205	3	1	2	000	2	1	1	5.72931
6589.18609	0.343E-26	205	3	0	3	000	2	0	2	2.51948
6589.24717	0.247E-26	205	26	5	22	000	25	5	21	351.53646
6589.25613	0.256E-26	205	14	7	8	000	13	7	7	229.51193
6589.32532	0.242E-26	205	29	3	26	000	28	3	25	372.41035
6589.36880	0.256E-26	205	6	4	3	000	5	4	2	62.68717
6589.40822	0.278E-26	205	28	3	26	000	27	3	25	346.23199
6589.40899	0.235E-26	205	20	7	14	000	19	7	13	312.71105
6589.40939	0.311E-26	205	4	2	3	000	3	2	2	17.57144
6589.49946	0.288E-26	205	8	5	4	000	7	5	3	101.73586
6589.49947	0.292E-26	205	5	3	2	000	4	3	1	36.58784
6589.52232	0.247E-26	205	19	7	12	000	18	7	11	296.74306
6589.55463	0.252E-26	205	11	6	5	000	10	6	4	158.75393
6589.58805	0.265E-26	205	16	7	10	000	15	7	9	253.88274
6589.58900	0.256E-26	205	18	7	12	000	17	7	11	281.61570
6589.61706	0.262E-26	205	17	7	10	000	16	7	9	267.32894
6589.61852	0.412E-26	205	4	1	4	000	3	1	3	8.02168
6589.66359	0.276E-26	205	25	5	20	000	24	5	19	330.49655
6589.68936	0.265E-26	205	29	2	27	000	28	2	26	360.41372
6589.76353	0.404E-26	205	27	0	27	000	26	0	26	286.56646
6589.79530	0.269E-26	205	12	6	7	000	11	6	6	167.99829
6589.86037	0.349E-26	205	7	4	3	000	6	4	2	67.72941
6589.89431	0.350E-26	205	9	5	4	000	8	5	3	108.45891
6589.94676	0.306E-26	205	26	4	23	000	25	4	22	323.62072
6589.98295	0.280E-26	205	13	6	7	000	12	6	6	178.08336
6590.00696	0.424E-26	205	5	2	3	000	4	2	2	20.94021
6590.03130	0.305E-26	205	24	5	20	000	23	5	19	310.29473
6590.03579	0.399E-26	205	6	3	4	000	5	3	3	40.78997
6590.12742	0.284E-26	205	14	6	9	000	13	6	8	189.00920
6590.21899	0.284E-26	205	15	6	9	000	14	6	8	200.77592
6590.24402	0.400E-26	205	10	5	6	000	9	5	5	116.02272
6590.25620	0.271E-26	205	17	6	11	000	16	6	10	226.83233
6590.25933	0.453E-26	205	26	1	26	000	25	1	25	265.85794
6590.25987	0.279E-26	205	16	6	11	000	15	6	10	213.38360
6590.30177	0.426E-26	205	8	4	5	000	7	4	4	73.61247
6590.35302	0.317E-26	205	27	3	24	000	26	3	23	325.35445
6590.35437	0.335E-26	205	23	5	18	000	22	5	17	290.94154
6590.39604	0.546E-26	205	5	0	5	000	4	0	4	8.39102
6590.40161	0.342E-26	205	25	4	21	000	24	4	20	302.63693
6590.40765	0.364E-26	205	27	1	26	000	26	1	25	302.58362
6590.42246	0.514E-26	205	5	1	4	000	4	1	3	11.78459
6590.44349	0.356E-26	205	26	3	24	000	25	3	23	301.67091
6590.52618	0.488E-26	205	7	3	4	000	6	3	3	45.83360
6590.52988	0.522E-26	205	6	2	5	000	5	2	4	25.12972
6590.54011	0.438E-26	205	11	5	6	000	10	5	5	124.42741
6590.54154	0.405E-26	205	26	2	25	000	25	2	24	283.67938
6590.63070	0.365E-26	205	22	5	18	000	21	5	17	272.42949
6590.68899	0.608E-26	205	6	1	6	000	5	1	5	15.35058
6590.69157	0.489E-26	205	9	4	5	000	8	4	4	80.33659
6590.74870	0.379E-26	205	24	4	21	000	23	4	20	282.32885
6590.78837	0.466E-26	205	12	5	8	000	11	5	7	133.67314
6590.80067	0.505E-26	205	25	0	25	000	24	0	24	245.49835
6590.81064	0.348E-26	205	27	2	25	000	26	2	24	313.12008
6590.86082	0.393E-26	205	21	5	16	000	20	5	15	254.76284
6590.96464	0.564E-26	205	8	3	6	000	7	3	5	51.71786

6590.98710	0.485E-26	205	13	5	8	000	12	5	7	143.76007
6591.03507	0.540E-26	205	10	4	7	000	9	4	6	87.90195
6591.04212	0.420E-26	205	20	5	16	000	19	5	15	237.93840
6591.04292	0.607E-26	205	7	2	5	000	6	2	4	30.20948
6591.09800	0.416E-26	205	23	4	19	000	22	4	18	262.99506
6591.13855	0.494E-26	205	14	5	10	000	13	5	9	154.68835
6591.17713	0.444E-26	205	19	5	14	000	18	5	13	221.95763
6591.18758	0.557E-26	205	24	1	24	000	23	1	23	226.45186
6591.18812	0.400E-26	205	25	3	22	000	24	3	21	281.83295
6591.24281	0.497E-26	205	15	5	10	000	14	5	9	166.45822
6591.26542	0.464E-26	205	18	5	14	000	17	5	13	206.81920
6591.28306	0.439E-26	205	24	3	22	000	23	3	21	260.44685
6591.29791	0.492E-26	205	16	5	12	000	15	5	11	179.06981
6591.30474	0.481E-26	205	17	5	12	000	16	5	11	192.52346
6591.32839	0.578E-26	205	11	4	7	000	10	4	6	96.30894
6591.35393	0.625E-26	205	9	3	6	000	8	3	5	58.44636
6591.36130	0.453E-26	205	22	4	19	000	21	4	18	244.42024
6591.39127	0.716E-26	205	7	0	7	000	6	0	6	17.59734
6591.42959	0.502E-26	205	24	2	23	000	23	2	22	243.03326
6591.43973	0.680E-26	205	8	2	7	000	7	2	6	36.04189
6591.46193	0.460E-26	205	25	1	24	000	24	1	23	259.66969
6591.48175	0.686E-26	205	7	1	6	000	6	1	5	21.29443
6591.55231	0.760E-26	205	8	1	8	000	7	1	7	25.92939
6591.57246	0.605E-26	205	12	4	9	000	11	4	8	105.55758
6591.60824	0.489E-26	205	21	4	17	000	20	4	16	226.75495
6591.65015	0.610E-26	205	23	0	23	000	22	0	22	207.56234
6591.69216	0.674E-26	205	10	3	8	000	9	3	7	66.01268
6591.75666	0.442E-26	205	25	2	23	000	24	2	22	269.21484
6591.76758	0.622E-26	205	13	4	9	000	12	4	8	115.64881
6591.78615	0.523E-26	205	20	4	17	000	19	4	16	209.89364
6591.84437	0.487E-26	205	23	3	20	000	22	3	19	241.83170
6591.89397	0.739E-26	205	9	2	7	000	8	2	6	42.88088
6591.91502	0.629E-26	205	14	4	11	000	13	4	10	126.58176
6591.91976	0.663E-26	205	22	1	22	000	21	1	21	190.21251
6591.92785	0.519E-26	205	22	3	20	000	21	3	19	222.57162
6591.93283	0.553E-26	205	19	4	15	000	18	4	14	193.90699
6591.98804	0.711E-26	205	11	3	8	000	10	3	7	74.43138
6592.01678	0.628E-26	205	15	4	11	000	14	4	10	138.35915
6592.01997	0.580E-26	205	18	4	15	000	17	4	14	178.74687
6592.06417	0.619E-26	205	16	4	13	000	15	4	12	150.97722
6592.06818	0.602E-26	205	17	4	13	000	16	4	12	164.44367
6592.13590	0.601E-26	205	22	2	21	000	21	2	20	205.63536
6592.15165	0.787E-26	205	10	2	9	000	9	2	8	50.30211
6592.16475	0.842E-26	205	9	0	9	000	8	0	8	30.11193
6592.21269	0.867E-26	205	10	1	10	000	9	1	9	39.75057
6592.22057	0.735E-26	205	12	3	10	000	11	3	9	83.67704
6592.29199	0.603E-26	205	21	0	21	000	20	0	20	172.75680
6592.31803	0.563E-26	205	23	1	22	000	22	1	21	219.93833
6592.32381	0.574E-26	205	21	3	18	000	20	3	17	205.32847
6592.33084	0.812E-26	205	9	1	8	000	8	1	7	34.25104
6592.37843	0.612E-26	205	20	3	18	000	19	3	17	188.05475
6592.42919	0.737E-26	205	13	3	10	000	12	3	9	93.79634
6592.46195	0.764E-26	205	20	1	20	000	19	1	19	157.14710
6592.48230	0.542E-26	205	23	2	21	000	22	2	20	228.73417
6592.54801	0.651E-26	205	14	3	12	000	13	3	11	104.71309
6592.55737	0.822E-26	205	11	2	9	000	10	2	8	58.98104
6592.62257	0.651E-26	205	19	3	16	000	18	3	15	172.29737
6592.63339	0.680E-26	205	18	3	16	000	17	3	15	156.90332
6592.63887	0.695E-26	205	20	2	19	000	19	2	18	171.50149
6592.65553	0.846E-26	205	12	2	11	000	11	2	10	67.90283
6592.66021	0.926E-26	205	12	1	12	000	11	1	11	56.80500
6592.67991	0.723E-26	205	15	3	12	000	14	3	11	116.55199
6592.69471	0.717E-26	205	16	3	14	000	15	3	13	129.12198
6592.71909	0.922E-26	205	11	0	11	000	10	0	10	45.90075
6592.74082	0.710E-26	205	17	3	14	000	16	3	13	142.71278
6592.80691	0.814E-26	205	19	0	19	000	18	0	18	141.08198
6592.81038	0.849E-26	205	18	1	18	000	17	1	17	127.26394
6592.91391	0.939E-26	205	14	1	14	000	13	1	13	77.08248
6592.94614	0.776E-26	205	18	2	17	000	17	2	16	140.64712
6592.95483	0.860E-26	205	14	2	13	000	13	2	12	88.83475
6592.95939	0.669E-26	205	21	1	20	000	20	1	19	183.43074
6592.96239	0.910E-26	205	16	1	16	000	15	1	15	100.57235

6592.96751	0.890E-26	205	11	1	10	000	10	1	9	50.64321
6592.99773	0.641E-26	205	21	2	19	000	20	2	18	191.70925
6593.03413	0.857E-26	205	13	2	11	000	12	2	10	78.53860
6593.05307	0.834E-26	205	16	2	15	000	15	2	14	113.08698
6593.05397	0.953E-26	205	13	0	13	000	12	0	12	64.92574
6593.09086	0.893E-26	205	17	0	17	000	16	0	16	112.54241
6593.17545	0.941E-26	205	15	0	15	000	14	0	14	87.14988
6593.31149	0.732E-26	205	19	2	17	000	18	2	16	158.16527
6593.32356	0.849E-26	205	15	2	13	000	14	2	12	101.57908
6593.39074	0.769E-26	205	19	1	18	000	18	1	17	150.18998
6593.39235	0.919E-26	205	13	1	12	000	12	1	11	70.45572
6593.41790	0.804E-26	205	17	2	15	000	16	2	14	128.11956
6593.60772	0.851E-26	205	17	1	16	000	16	1	15	120.25713
6593.60884	0.904E-26	205	15	1	14	000	14	1	13	93.66874

6982cm-1_corrected_transitions_511.txt

CORRECTED CALCULATED LINES (511)
with corrected upper energies

Fcalc/Fobs	Icalc	v	J	Ka	Kc	v	J	Ka	Kc	Elower
6945.09100	0.849E-27	511	25	2	23	000	26	2	24	313.12008
6948.95116	0.970E-27	511	23	2	21	000	24	2	22	269.21484
6949.52482	0.102E-26	511	23	1	22	000	24	1	23	259.66969
6950.66550	0.852E-27	511	22	4	19	000	23	4	20	282.32885
6950.67200	0.109E-26	511	23	0	23	000	24	0	24	245.49835
6951.07200	0.960E-27	511	22	3	20	000	23	3	21	260.44685
6951.62100	0.105E-26	511	22	2	21	000	23	2	22	243.03326
6951.97400	0.764E-27	511	21	5	16	000	22	5	17	290.94154
6952.46300	0.892E-27	511	21	4	17	000	22	4	18	262.99506
6952.67004	0.108E-26	511	21	2	19	000	22	2	20	228.73417
6952.69689	0.100E-26	511	21	3	18	000	22	3	19	241.83170
6953.10541	0.113E-26	511	21	1	20	000	22	1	21	219.93833
6953.69021	0.205E-27	511	17	10	7	000	18	10	8	454.97580
6953.73900	0.794E-27	511	20	5	16	000	21	5	17	272.42949
6954.23600	0.930E-27	511	20	4	17	000	21	4	18	244.42024
6954.63107	0.105E-26	511	20	3	18	000	21	3	19	222.57162
6954.80100	0.673E-27	511	19	6	13	000	20	6	14	289.04007
6955.12413	0.115E-26	511	20	2	19	000	21	2	20	205.63536
6955.44800	0.819E-27	511	19	5	14	000	20	5	15	254.76284
6955.66000	0.541E-27	511	18	7	12	000	19	7	13	312.71105
6955.93800	0.125E-26	511	20	1	20	000	21	1	21	190.21251
6955.93800	0.961E-27	511	19	4	15	000	20	4	16	226.75495
6956.20951	0.118E-26	511	19	2	17	000	20	2	18	191.70925
6956.22795	0.109E-26	511	19	3	16	000	20	3	17	205.32847
6956.46600	0.687E-27	511	18	6	13	000	19	6	14	272.22598
6956.52262	0.123E-26	511	19	1	18	000	20	1	19	183.43074
6957.11200	0.839E-27	511	18	5	14	000	19	5	15	237.93840
6957.50459	0.130E-26	511	19	0	19	000	20	0	20	172.75680
6957.62000	0.987E-27	511	18	4	15	000	19	4	16	209.89364
6958.01000	0.112E-26	511	18	3	16	000	19	3	17	188.05475
6958.08700	0.694E-27	511	17	6	11	000	18	6	12	256.25341
6958.45582	0.123E-26	511	18	2	17	000	19	2	18	171.50149
6958.73800	0.852E-27	511	17	5	12	000	18	5	13	221.95763
6958.85300	0.542E-27	511	16	7	10	000	17	7	11	281.61570
6959.20292	0.133E-26	511	18	1	18	000	19	1	19	157.14710
6959.24200	0.101E-26	511	17	4	13	000	18	4	14	193.90699
6959.56420	0.114E-26	511	17	3	14	000	18	3	15	172.29737
6959.56815	0.124E-26	511	17	2	15	000	18	2	16	158.16527
6959.66400	0.695E-27	511	16	6	11	000	17	6	12	241.12223
6959.78807	0.130E-26	511	17	1	16	000	18	1	17	150.18998
6960.31200	0.857E-27	511	16	5	12	000	17	5	13	206.81920
6960.37874	0.532E-27	511	15	7	8	000	16	7	9	267.32894
6960.66371	0.136E-26	511	17	0	17	000	18	0	18	141.08198
6960.82500	0.102E-26	511	16	4	13	000	17	4	14	178.74687
6960.89000	0.376E-27	511	14	8	7	000	15	8	8	300.53169
6961.20800	0.116E-26	511	16	3	14	000	17	3	15	156.90332
6961.61693	0.128E-26	511	16	2	15	000	17	2	16	140.64712
6961.85000	0.854E-27	511	15	5	10	000	16	5	11	192.52346
6961.87300	0.515E-27	511	14	7	8	000	15	7	9	253.88274

6962.29300	0.138E-26	511	16	1	16	000	17	1	17	127.26394
6962.33400	0.351E-27	511	13	8	5	000	14	8	6	287.92702
6962.35600	0.102E-26	511	15	4	11	000	16	4	12	164.44367
6962.68300	0.674E-27	511	14	6	9	000	15	6	10	213.38360
6962.70660	0.116E-26	511	15	3	12	000	16	3	13	142.71278
6962.76626	0.127E-26	511	15	2	13	000	16	2	14	128.11956
6962.89180	0.134E-26	511	15	1	14	000	16	1	15	120.25713
6963.31600	0.490E-27	511	13	7	6	000	14	7	7	241.27708
6963.33900	0.843E-27	511	14	5	10	000	15	5	11	179.06981
6963.64800	0.139E-26	511	15	0	15	000	16	0	16	112.54241
6963.85400	0.101E-26	511	14	4	11	000	15	4	12	150.97722
6964.12764	0.650E-27	511	13	6	7	000	14	6	8	200.77592
6964.23800	0.116E-26	511	14	3	12	000	15	3	13	129.12198
6964.60400	0.128E-26	511	14	2	13	000	15	2	14	113.08698
6964.71600	0.457E-27	511	12	7	6	000	13	7	7	229.51193
6964.78700	0.821E-27	511	13	5	8	000	14	5	9	166.45822
6965.08300	0.277E-27	511	11	8	3	000	12	8	4	265.23840
6965.20925	0.123E-27	511	10	9	2	000	11	9	3	307.91590
6965.21800	0.138E-26	511	14	1	14	000	15	1	15	100.57235
6965.30200	0.990E-27	511	13	4	9	000	14	4	10	138.35915
6965.52900	0.616E-27	511	12	6	7	000	13	6	8	189.00920
6965.66600	0.114E-26	511	13	3	10	000	14	3	11	116.55199
6965.77800	0.126E-26	511	13	2	11	000	14	2	12	101.57908
6965.83799	0.133E-26	511	13	1	12	000	14	1	13	93.66874
6966.07100	0.413E-27	511	11	7	4	000	12	7	5	218.58726
6966.18800	0.788E-27	511	12	5	8	000	13	5	9	154.68835
6966.39537	0.226E-27	511	10	8	3	000	11	8	4	255.15448
6966.47500	0.138E-26	511	13	0	13	000	14	0	14	87.14988
6966.70441	0.960E-27	511	12	4	9	000	13	4	10	126.58176
6966.88697	0.572E-27	511	11	6	5	000	12	6	6	178.08336
6967.09200	0.112E-26	511	12	3	10	000	13	3	11	104.71309
6967.38622	0.359E-27	511	10	7	4	000	11	7	5	208.50304
6967.43008	0.124E-26	511	12	2	11	000	13	2	12	88.83475
6967.54353	0.744E-27	511	11	5	6	000	12	5	7	143.76007
6967.66165	0.164E-27	511	9	8	1	000	10	8	2	245.91085
6967.96800	0.134E-26	511	12	1	12	000	13	1	13	77.08248
6968.06200	0.918E-27	511	11	4	7	000	12	4	8	115.64881
6968.19982	0.516E-27	511	10	6	5	000	11	6	6	167.99829
6968.44302	0.108E-26	511	11	3	8	000	12	3	9	93.79634
6968.60372	0.120E-26	511	11	2	9	000	12	2	10	78.53860
6968.62200	0.128E-26	511	11	1	10	000	12	1	11	70.45572
6968.65363	0.292E-27	511	9	7	2	000	10	7	3	199.25926
6968.81400	0.204E-27	511	17	10	7	000	17	10	8	439.85201
6968.85900	0.688E-27	511	10	5	6	000	11	5	7	133.67314
6969.13500	0.132E-26	511	11	0	11	000	12	0	12	64.92574
6969.37519	0.863E-27	511	10	4	7	000	11	4	8	105.55758
6969.47000	0.447E-27	511	9	6	3	000	10	6	4	158.75393
6969.76900	0.102E-26	511	10	3	8	000	11	3	9	83.67704
6969.87800	0.212E-27	511	8	7	2	000	9	7	3	190.85589
6970.07964	0.115E-26	511	10	2	9	000	11	2	10	67.90283
6970.55550	0.125E-26	511	10	1	10	000	11	1	11	56.80500
6970.65300	0.794E-27	511	9	4	5	000	10	4	6	96.30894
6970.70142	0.364E-27	511	8	6	3	000	9	6	4	150.35020
6971.03700	0.957E-27	511	9	3	6	000	10	3	7	74.43138
6971.24284	0.109E-26	511	9	2	7	000	10	2	8	58.98104
6971.40565	0.106E-27	511	20	5	16	000	20	5	15	254.76284
6971.61509	0.148E-27	511	19	6	13	000	19	6	14	272.22598
6971.62799	0.189E-27	511	18	7	12	000	18	7	11	296.74306
6971.64459	0.121E-26	511	9	0	9	000	10	0	10	45.90075
6971.88000	0.264E-27	511	7	6	1	000	8	6	2	142.78703
6971.88176	0.712E-27	511	8	4	5	000	9	4	6	87.90195
6972.27059	0.877E-27	511	8	3	6	000	9	3	7	66.01268
6972.27244	0.121E-27	511	19	5	14	000	19	5	15	237.93840
6972.43857	0.169E-27	511	18	6	13	000	18	6	12	256.25341
6972.54500	0.435E-27	511	7	5	2	000	8	5	3	108.45891
6972.56700	0.101E-26	511	8	2	7	000	9	2	8	50.30211
6972.98200	0.111E-26	511	8	1	8	000	9	1	9	39.75057
6973.02478	0.145E-27	511	6	6	1	000	7	6	2	136.06437
6973.06488	0.614E-27	511	7	4	3	000	8	4	4	80.33659
6973.09277	0.138E-27	511	18	5	14	000	18	5	13	221.95763
6973.13976	0.245E-27	511	16	7	10	000	16	7	9	267.32894
6973.21818	0.192E-27	511	17	6	11	000	17	6	12	241.12223

6973.45500	0.782E-27	511	7	3	4	000	8	3	5	58.44636
6973.49467	0.329E-27	511	14	8	7	000	14	8	6	287.92702
6973.60665	0.101E-27	511	18	4	15	000	18	4	14	193.90699
6973.68959	0.316E-27	511	6	5	2	000	7	5	3	101.73586
6973.69800	0.101E-26	511	7	1	6	000	8	1	7	34.25104
6973.82494	0.278E-27	511	15	7	8	000	15	7	9	253.88274
6973.87643	0.158E-27	511	17	5	12	000	17	5	13	206.81920
6973.95390	0.219E-27	511	16	6	11	000	16	6	10	226.83233
6974.01000	0.104E-26	511	7	0	7	000	8	0	8	30.11193
6974.09844	0.375E-27	511	13	8	5	000	13	8	6	276.16258
6974.20747	0.498E-27	511	6	4	3	000	7	4	4	73.61247
6974.40212	0.115E-27	511	17	4	13	000	17	4	14	178.74687
6974.45300	0.547E-27	511	10	9	2	000	10	9	1	298.67215
6974.47866	0.316E-27	511	14	7	8	000	14	7	7	241.27708
6974.60774	0.179E-27	511	16	5	12	000	16	5	11	192.52346
6974.87283	0.815E-27	511	6	2	5	000	7	2	6	36.04189
6975.08115	0.360E-27	511	13	7	6	000	13	7	7	229.51193
6975.12820	0.131E-27	511	16	4	13	000	16	4	12	164.44367
6975.16692	0.488E-27	511	11	8	3	000	11	8	4	255.15448
6975.23700	0.914E-27	511	6	1	6	000	7	1	7	25.92939
6975.29068	0.283E-27	511	14	6	9	000	14	6	8	200.77592
6975.30365	0.204E-27	511	15	5	10	000	15	5	11	179.06981
6975.63900	0.559E-27	511	10	8	3	000	10	8	2	245.91085
6975.64067	0.410E-27	511	12	7	6	000	12	7	5	218.58726
6975.70000	0.544E-27	511	5	3	2	000	6	3	3	45.83360
6975.82245	0.149E-27	511	15	4	11	000	15	4	12	150.97722
6975.89436	0.322E-27	511	13	6	7	000	13	6	8	189.00920
6975.95059	0.232E-27	511	14	5	10	000	14	5	9	166.45822
6975.95473	0.696E-27	511	5	2	3	000	6	2	4	30.20948
6976.06500	0.644E-27	511	9	8	1	000	9	8	2	237.50750
6976.15522	0.468E-27	511	11	7	4	000	11	7	5	208.50304
6976.45100	0.747E-27	511	8	8	1	000	8	8	0	229.94446
6976.45484	0.367E-27	511	12	6	7	000	12	6	6	178.08336
6976.47207	0.170E-27	511	14	4	11	000	14	4	10	138.35915
6976.55687	0.264E-27	511	13	5	8	000	13	5	9	154.68835
6976.63000	0.537E-27	511	10	7	4	000	10	7	3	199.25926
6976.80799	0.105E-27	511	14	3	12	000	14	3	11	116.55199
6976.97204	0.419E-27	511	11	6	5	000	11	6	6	167.99829
6977.05700	0.618E-27	511	9	7	2	000	9	7	3	190.85589
6977.07939	0.193E-27	511	13	4	9	000	13	4	10	126.58176
6977.11628	0.301E-27	511	12	5	8	000	12	5	7	143.76007
6977.44098	0.718E-27	511	8	7	2	000	8	7	1	183.29291
6977.44418	0.480E-27	511	10	6	5	000	10	6	4	158.75393
6977.50490	0.120E-27	511	13	3	10	000	13	3	11	104.71309
6977.63047	0.344E-27	511	11	5	6	000	11	5	7	133.67314
6977.63736	0.221E-27	511	12	4	9	000	12	4	8	115.64881
6977.87373	0.553E-27	511	9	6	3	000	9	6	4	150.35020
6978.00875	0.137E-27	511	12	3	10	000	12	3	9	93.79634
6978.03100	0.410E-27	511	3	2	1	000	4	2	2	20.94021
6978.09900	0.535E-27	511	3	1	2	000	4	1	3	11.78459
6978.10473	0.394E-27	511	10	5	6	000	10	5	5	124.42741
6978.15323	0.252E-27	511	11	4	7	000	11	4	8	105.55758
6978.26458	0.642E-27	511	8	6	3	000	8	6	2	142.78703
6978.56232	0.157E-27	511	11	3	8	000	11	3	9	83.67704
6978.60266	0.753E-27	511	7	6	1	000	7	6	2	136.06437
6978.62383	0.289E-27	511	10	4	7	000	10	4	6	96.30894
6978.90700	0.895E-27	511	6	6	1	000	6	6	0	130.18215
6979.01466	0.180E-27	511	10	3	8	000	10	3	7	74.43138
6979.05999	0.333E-27	511	9	4	5	000	9	4	6	87.90195
6979.26805	0.618E-27	511	7	5	2	000	7	5	3	101.73586
6979.44712	0.387E-27	511	8	4	5	000	8	4	4	80.33659
6979.45570	0.208E-27	511	9	3	6	000	9	3	7	66.01268
6979.57200	0.734E-27	511	6	5	2	000	6	5	1	95.85345
6979.78900	0.453E-27	511	7	4	3	000	7	4	4	73.61247
6979.83691	0.242E-27	511	8	3	6	000	8	3	5	58.44636
6979.98823	0.115E-27	511	8	2	7	000	8	2	6	42.88088
6980.04900	0.221E-27	511	1	1	0	000	2	1	1	5.72931
6980.09053	0.539E-27	511	6	4	3	000	6	4	2	67.72941
6980.14000	0.299E-27	511	1	0	1	000	2	0	2	2.51948
6980.18350	0.283E-27	511	7	3	4	000	7	3	5	51.71786
6980.70524	0.161E-27	511	6	2	5	000	6	2	4	30.20948
6980.74363	0.409E-27	511	5	3	2	000	5	3	3	40.78997

6981.03449	0.196E-27	511	5	2	3	000	5	2	4	25.12972
6981.39977	0.324E-27	511	3	2	1	000	3	2	2	17.57144
6981.83009	0.223E-27	511	1	1	0	000	1	1	1	3.94822
6982.65948	0.151E-27	511	1	0	1	000	0	0	0	0.00000
6983.09805	0.213E-27	511	17	10	7	000	16	10	6	425.56796
6983.91925	0.234E-27	511	3	2	1	000	2	2	0	15.05196
6984.04235	0.172E-27	511	10	8	3	000	9	8	2	237.50750
6984.15428	0.392E-27	511	3	1	2	000	2	1	1	5.72931
6984.16358	0.120E-27	511	8	7	2	000	7	7	1	176.57031
6984.41055	0.237E-27	511	11	8	3	000	10	8	2	245.91085
6984.48488	0.149E-27	511	7	6	1	000	6	6	0	130.18215
6984.61387	0.178E-27	511	6	5	2	000	5	5	1	90.81158
6984.61998	0.221E-27	511	9	7	2	000	8	7	1	183.29291
6984.94576	0.405E-27	511	5	3	2	000	4	3	1	36.58784
6984.98725	0.273E-27	511	8	6	3	000	7	6	2	136.06437
6985.02262	0.337E-27	511	13	8	5	000	12	8	4	265.23840
6985.03337	0.305E-27	511	10	7	4	000	9	7	3	190.85589
6985.13277	0.372E-27	511	6	4	3	000	5	4	2	62.68717
6985.15046	0.326E-27	511	7	5	2	000	6	5	1	95.85345
6985.22400	0.574E-27	511	5	2	3	000	4	2	2	20.94021
6985.25911	0.373E-27	511	14	8	7	000	13	8	6	276.16258
6985.39900	0.376E-27	511	11	7	4	000	10	7	3	199.25926
6985.43690	0.378E-27	511	9	6	3	000	8	6	2	142.78703
6985.67206	0.513E-27	511	7	4	3	000	6	4	2	67.72941
6985.72489	0.435E-27	511	12	7	6	000	11	7	5	208.50304
6985.78500	0.714E-27	511	6	2	5	000	5	2	4	25.12972
6985.81581	0.819E-27	511	6	1	6	000	5	1	5	15.35058
6985.84791	0.466E-27	511	10	6	5	000	9	6	4	150.35020
6986.00582	0.483E-27	511	13	7	6	000	12	7	5	218.58726
6986.06776	0.692E-27	511	7	3	4	000	6	3	3	45.83360
6986.17124	0.635E-27	511	8	4	5	000	7	4	4	73.61247
6986.21640	0.541E-27	511	11	6	5	000	10	6	4	158.75393
6986.24381	0.521E-27	511	14	7	8	000	13	7	7	229.51193
6986.43060	0.550E-27	511	15	7	8	000	14	7	7	241.27708
6986.50942	0.646E-27	511	10	5	6	000	9	5	5	116.02272
6986.52459	0.972E-27	511	7	0	7	000	6	0	6	17.59734
6986.53991	0.602E-27	511	12	6	7	000	11	6	6	167.99829
6986.56541	0.809E-27	511	8	3	6	000	7	3	5	51.71786
6986.58596	0.570E-27	511	16	7	10	000	15	7	9	253.88274
6986.62535	0.740E-27	511	9	4	5	000	8	4	4	80.33659
6986.65461	0.936E-27	511	7	1	6	000	6	1	5	21.29443
6986.75535	0.588E-27	511	18	7	12	000	17	7	11	281.61570
6986.80318	0.105E-26	511	8	1	8	000	7	1	7	25.92939
6986.82020	0.652E-27	511	13	6	7	000	12	6	6	178.08336
6986.82722	0.953E-27	511	8	2	7	000	7	2	6	36.04189
6986.87619	0.722E-27	511	11	5	6	000	10	5	5	124.42741
6987.02202	0.912E-27	511	9	3	6	000	8	3	5	58.44636
6987.03082	0.830E-27	511	10	4	7	000	9	4	6	87.90195
6987.05740	0.690E-27	511	14	6	9	000	13	6	8	189.00920
6987.20321	0.784E-27	511	12	5	8	000	11	5	7	133.67314
6987.34300	0.105E-26	511	9	2	7	000	8	2	6	42.88088
6987.40187	0.905E-27	511	11	4	7	000	10	4	6	96.30894
6987.40263	0.738E-27	511	16	6	11	000	15	6	10	213.38360
6987.43336	0.100E-26	511	10	3	8	000	9	3	7	66.01268
6987.43341	0.118E-26	511	9	0	9	000	8	0	8	30.11193
6987.48515	0.834E-27	511	13	5	8	000	12	5	7	143.76007
6987.50808	0.748E-27	511	17	6	11	000	16	6	10	226.83233
6987.56975	0.750E-27	511	18	6	13	000	17	6	12	241.12223
6987.58766	0.745E-27	511	19	6	13	000	18	6	12	256.25341
6987.60993	0.124E-26	511	10	1	10	000	9	1	9	39.75057
6987.68036	0.114E-26	511	10	2	9	000	9	2	8	50.30211
6987.72046	0.872E-27	511	14	5	10	000	13	5	9	154.68835
6987.72859	0.967E-27	511	12	4	9	000	11	4	8	105.55758
6987.80798	0.107E-26	511	11	3	8	000	10	3	7	74.43138
6987.91524	0.899E-27	511	15	5	10	000	14	5	9	166.45822
6988.01234	0.102E-26	511	13	4	9	000	12	4	8	115.64881
6988.06139	0.916E-27	511	16	5	12	000	15	5	11	179.06981
6988.12805	0.113E-26	511	12	3	10	000	11	3	9	83.67704
6988.15270	0.869E-27	511	21	5	16	000	20	5	15	254.76284
6988.15999	0.133E-26	511	11	0	11	000	10	0	10	45.90075
6988.16128	0.121E-26	511	11	2	9	000	10	2	8	58.98104
6988.17217	0.922E-27	511	17	5	12	000	16	5	11	192.52346

6988.23009	0.893E-27	511	20	5	16	000	19	5	15	237.93840
6988.23120	0.920E-27	511	18	5	14	000	17	5	13	206.81920
6988.24548	0.137E-26	511	12	1	12	000	11	1	11	56.80500
6988.24946	0.105E-26	511	14	4	11	000	13	4	10	126.58176
6988.25321	0.910E-27	511	19	5	14	000	18	5	13	221.95763
6988.36200	0.127E-26	511	12	2	11	000	11	2	10	67.90283
6988.42165	0.118E-26	511	13	3	10	000	12	3	9	93.79634
6988.43451	0.129E-26	511	11	1	10	000	10	1	9	50.64321
6988.44052	0.108E-26	511	15	4	11	000	14	4	10	138.35915
6988.57411	0.982E-27	511	22	4	19	000	21	4	18	244.42024
6988.59465	0.109E-26	511	16	4	13	000	15	4	12	150.97722
6988.60801	0.127E-26	511	23	0	23	000	22	0	22	207.56234
6988.64689	0.122E-26	511	14	3	12	000	13	3	11	104.71309
6988.69914	0.143E-26	511	13	0	13	000	12	0	12	64.92574
6988.70311	0.102E-26	511	21	4	17	000	20	4	16	226.75495
6988.70532	0.109E-26	511	17	4	13	000	16	4	12	164.44367
6988.70787	0.145E-26	511	14	1	14	000	13	1	13	77.08248
6988.76260	0.105E-26	511	20	4	17	000	19	4	16	209.89364
6988.76677	0.109E-26	511	18	4	15	000	17	4	14	178.74687
6988.78596	0.107E-26	511	19	4	15	000	18	4	14	193.90699
6988.81848	0.131E-26	511	13	2	11	000	12	2	10	78.53860
6988.85623	0.135E-26	511	14	2	13	000	13	2	12	88.83475
6988.86739	0.124E-26	511	15	3	12	000	14	3	11	116.55199
6988.94723	0.111E-26	511	22	3	20	000	21	3	19	222.57162
6988.98459	0.148E-26	511	16	1	16	000	15	1	15	100.57235
6988.98934	0.125E-26	511	16	3	14	000	15	3	13	129.12198
6988.99624	0.102E-26	511	25	2	23	000	24	2	22	269.21484
6989.00341	0.141E-26	511	20	1	20	000	19	1	19	157.14710
6989.01890	0.122E-26	511	22	2	21	000	21	2	20	205.63536
6989.04053	0.148E-26	511	15	0	15	000	14	0	14	87.14988
6989.05101	0.139E-26	511	13	1	12	000	12	1	11	70.45572
6989.08608	0.146E-26	511	18	1	18	000	17	1	17	127.26394
6989.14793	0.119E-26	511	20	3	18	000	19	3	17	188.05475
6989.14880	0.125E-26	511	17	3	14	000	16	3	13	142.71278
6989.16143	0.124E-26	511	18	3	16	000	17	3	15	156.90332
6989.17707	0.138E-26	511	16	2	15	000	15	2	14	113.08698
6989.17941	0.145E-26	511	19	0	19	000	18	0	18	141.08198
6989.20011	0.115E-26	511	21	3	18	000	20	3	17	205.32847
6989.20328	0.149E-26	511	17	0	17	000	16	0	16	112.54241
6989.25618	0.119E-26	511	23	1	22	000	22	1	21	219.93833
6989.25800	0.130E-26	511	20	2	19	000	19	2	18	171.50149
6989.25905	0.121E-26	511	19	3	16	000	18	3	15	172.29737
6989.30674	0.136E-26	511	15	2	13	000	14	2	12	101.57908
6989.31019	0.136E-26	511	18	2	17	000	17	2	16	140.64712
6989.43183	0.114E-26	511	23	2	21	000	22	2	20	228.73417
6989.48019	0.143E-26	511	15	1	14	000	14	1	13	93.66874
6989.61300	0.130E-26	511	21	1	20	000	20	1	19	183.43074
6989.61386	0.136E-26	511	17	2	15	000	16	2	14	128.11956
6989.69496	0.124E-26	511	21	2	19	000	20	2	18	191.70925
6989.72092	0.143E-26	511	17	1	16	000	16	1	15	120.25713
6989.75349	0.132E-26	511	19	2	17	000	18	2	16	158.16527
6989.76338	0.138E-26	511	19	1	18	000	18	1	17	150.18998

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CORRECTED CALCULATED LINES (233)
with corrected upper energies

Fcalc/Fobs	Icalc	v	J	Ka	Kc	v	J	Ka	Kc	Elower
6950.17700	0.101E-26	233	25	1	24	000	26	1	25	302.58362
6950.25188	0.984E-27	233	25	2	23	000	26	2	24	313.12008
6950.26100	0.105E-26	233	25	0	25	000	26	0	26	286.56646
6950.64850	0.895E-27	233	25	3	22	000	26	3	23	325.35445
6950.92800	0.711E-27	233	25	5	20	000	26	5	21	373.43119
6951.13004	0.481E-27	233	25	7	18	000	26	7	19	448.02762
6951.36703	0.282E-27	233	25	9	16	000	26	9	17	547.36833
6951.62000	0.679E-27	233	24	3	22	000	25	3	23	301.67091
6952.30492	0.116E-26	233	24	1	24	000	25	1	25	265.85794
6952.30800	0.107E-26	233	24	2	23	000	25	2	24	283.67938
6953.13927	0.790E-27	233	24	5	20	000	25	5	21	351.53646
6953.15513	0.895E-27	233	24	4	21	000	25	4	22	323.62072

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6953.29700	0.532E-27	233	24	7	18	000	25	7	19	426.17419
6953.40800	0.413E-27	233	24	8	17	000	25	8	18	472.78696
6953.52041	0.310E-27	233	24	9	16	000	25	9	17	525.52717
6954.60300	0.129E-26	233	23	0	23	000	24	0	24	245.49835
6955.03837	0.109E-26	233	23	3	20	000	24	3	21	281.83295
6955.25799	0.871E-27	233	23	5	18	000	24	5	19	330.49655
6955.31800	0.726E-27	233	23	6	17	000	24	6	18	364.71434
6955.41300	0.584E-27	233	23	7	16	000	24	7	17	405.16166
6955.63400	0.339E-27	233	23	9	14	000	24	9	15	504.52536
6956.68600	0.140E-26	233	22	1	22	000	23	1	23	226.45186
6957.32000	0.109E-26	233	22	4	19	000	23	4	20	282.32885
6957.32000	0.952E-27	233	22	5	18	000	23	5	19	310.29473
6957.38800	0.792E-27	233	22	6	17	000	23	6	18	344.53275
6957.69000	0.366E-27	233	22	9	14	000	23	9	15	484.36298
6958.66500	0.150E-26	233	21	1	20	000	22	1	21	219.93833
6958.75046	0.154E-26	233	21	0	21	000	22	0	22	207.56234
6959.20089	0.130E-26	233	21	3	18	000	22	3	19	241.83170
6959.30200	0.119E-26	233	21	4	17	000	22	4	18	262.99506
6959.33300	0.103E-26	233	21	5	16	000	22	5	17	290.94154
6959.40200	0.855E-27	233	21	6	15	000	22	6	16	325.19334
6959.49000	0.683E-27	233	21	7	14	000	22	7	15	365.65913
6959.59127	0.526E-27	233	21	8	13	000	22	8	14	412.28942
6959.69400	0.391E-27	233	21	9	12	000	22	9	13	465.04012
6960.80429	0.164E-26	233	20	1	20	000	21	1	21	190.21251
6961.27500	0.128E-26	233	20	4	17	000	21	4	18	244.42024
6961.28300	0.111E-26	233	20	5	16	000	21	5	17	272.42949
6961.36309	0.915E-27	233	20	6	15	000	21	6	16	306.69580
6961.45100	0.729E-27	233	20	7	14	000	21	7	15	347.16904
6961.55200	0.559E-27	233	20	8	13	000	21	8	14	393.80365
6961.64800	0.413E-27	233	20	9	12	000	21	9	13	446.55686
6961.88600	0.107E-26	233	20	3	18	000	21	3	19	222.57162
6962.59262	0.175E-26	233	19	1	18	000	20	1	19	183.43074
6962.69851	0.167E-26	233	19	2	17	000	20	2	18	191.70925
6962.70659	0.177E-26	233	19	0	19	000	20	0	20	172.75680
6963.12490	0.149E-26	233	19	3	16	000	20	3	17	205.32847
6963.16504	0.137E-26	233	19	4	15	000	20	4	16	226.75495
6963.27417	0.970E-27	233	19	6	13	000	20	6	14	289.04007
6963.36100	0.769E-27	233	19	7	12	000	20	7	13	329.51970
6963.45500	0.587E-27	233	19	8	11	000	20	8	12	376.15796
6963.55000	0.432E-27	233	19	9	10	000	20	9	11	428.91325
6964.40881	0.168E-26	233	18	2	17	000	19	2	18	171.50149
6964.60442	0.186E-26	233	18	1	18	000	19	1	19	157.14710
6965.03100	0.145E-26	233	18	4	15	000	19	4	16	209.89364
6965.06400	0.124E-26	233	18	5	14	000	19	5	15	237.93840
6965.13262	0.102E-26	233	18	6	13	000	19	6	14	272.22598
6965.21900	0.803E-27	233	18	7	12	000	19	7	13	312.71105
6965.30800	0.610E-27	233	18	8	11	000	19	8	12	359.35239
6965.34678	0.142E-26	233	18	3	16	000	19	3	17	188.05475
6965.40000	0.445E-27	233	18	9	10	000	19	9	11	412.10938
6966.30457	0.196E-26	233	17	1	16	000	18	1	17	150.18998
6966.44621	0.199E-26	233	17	0	17	000	18	0	18	141.08198
6966.47614	0.184E-26	233	17	2	15	000	18	2	16	158.16527
6966.81650	0.167E-26	233	17	3	14	000	18	3	15	172.29737
6966.82500	0.152E-26	233	17	4	13	000	18	4	14	193.90699
6966.87000	0.129E-26	233	17	5	12	000	18	5	13	221.95763
6966.93900	0.106E-26	233	17	6	11	000	18	6	12	256.25341
6967.01944	0.830E-27	233	17	7	10	000	18	7	11	296.74306
6967.11000	0.626E-27	233	17	8	9	000	18	8	10	343.38696
6967.19500	0.453E-27	233	17	9	8	000	18	9	9	396.14531
6967.99943	0.181E-26	233	16	2	15	000	17	2	16	140.64712
6968.24100	0.203E-26	233	16	1	16	000	17	1	17	127.26394
6968.58100	0.157E-26	233	16	4	13	000	17	4	14	178.74687
6968.62200	0.133E-26	233	16	5	12	000	17	5	13	206.81920
6968.69119	0.108E-26	233	16	6	11	000	17	6	12	241.12223
6968.73983	0.166E-26	233	16	3	14	000	17	3	15	156.90332
6968.77200	0.846E-27	233	16	7	10	000	17	7	11	281.61570
6968.94100	0.452E-27	233	16	9	8	000	17	9	9	381.02110
6969.80200	0.212E-26	233	15	1	14	000	16	1	15	120.25713
6969.96824	0.215E-26	233	15	0	15	000	16	0	16	112.54241
6970.04876	0.193E-26	233	15	2	13	000	16	2	14	128.11956
6970.27311	0.179E-26	233	15	3	12	000	16	3	13	142.71278
6970.27474	0.161E-26	233	15	4	11	000	16	4	12	164.44367

6970.32200	0.136E-26	233	15	5	10	000	16	5	11	192.52346
6970.39329	0.110E-26	233	15	6	9	000	16	6	10	226.83233
6970.47300	0.850E-27	233	15	7	8	000	16	7	9	267.32894
6970.63220	0.444E-27	233	15	9	6	000	16	9	7	366.73680
6971.37900	0.188E-26	233	14	2	13	000	15	2	14	113.08698
6971.66156	0.215E-26	233	14	1	14	000	15	1	15	100.57235
6971.92327	0.164E-26	233	14	4	11	000	15	4	12	150.97722
6971.96900	0.137E-26	233	14	5	10	000	15	5	11	179.06981
6971.99900	0.180E-26	233	14	3	12	000	15	3	13	129.12198
6972.11800	0.841E-27	233	14	7	8	000	15	7	9	253.88274
6972.19700	0.613E-27	233	14	8	7	000	15	8	8	300.53169
6972.26700	0.425E-27	233	14	9	6	000	15	9	7	353.29248
6973.08400	0.220E-26	233	13	1	12	000	14	1	13	93.66874
6973.26443	0.223E-26	233	13	0	13	000	14	0	14	87.14988
6973.41126	0.190E-26	233	13	2	11	000	14	2	12	101.57908
6973.51100	0.164E-26	233	13	4	9	000	14	4	10	138.35915
6973.51100	0.185E-26	233	13	3	10	000	14	3	11	116.55199
6973.56343	0.136E-26	233	13	5	8	000	14	5	9	166.45822
6973.62900	0.108E-26	233	13	6	7	000	14	6	8	200.77592
6973.70742	0.816E-27	233	13	7	6	000	14	7	7	241.27708
6973.78200	0.584E-27	233	13	8	5	000	14	8	6	287.92702
6973.85600	0.394E-27	233	13	9	4	000	14	9	5	340.68819
6974.30953	0.104E-27	233	24	7	18	000	24	7	17	405.16166
6974.41385	0.109E-27	233	24	8	17	000	24	8	16	451.78111
6974.52222	0.107E-27	233	24	9	16	000	24	9	15	504.52536
6974.55700	0.185E-26	233	12	2	11	000	13	2	12	88.83475
6974.86500	0.218E-26	233	12	1	12	000	13	1	13	77.08248
6975.05482	0.162E-26	233	12	4	9	000	13	4	10	126.58176
6975.07700	0.184E-26	233	12	3	10	000	13	3	11	104.71309
6975.10600	0.133E-26	233	12	5	8	000	13	5	9	154.68835
6975.17404	0.104E-26	233	12	6	7	000	13	6	8	189.00920
6975.24700	0.774E-27	233	12	7	6	000	13	7	7	229.51193
6975.32000	0.540E-27	233	12	8	5	000	13	8	6	276.16258
6975.49959	0.111E-27	233	23	6	17	000	23	6	18	344.53275
6975.58467	0.125E-27	233	23	7	16	000	23	7	17	384.98999
6975.79638	0.127E-27	233	23	9	14	000	23	9	15	484.36298
6976.15375	0.219E-26	233	11	1	10	000	12	1	11	70.45572
6976.33450	0.223E-26	233	11	0	11	000	12	0	12	64.92574
6976.52800	0.182E-26	233	11	3	8	000	12	3	9	93.79634
6976.54257	0.158E-26	233	11	4	7	000	12	4	8	115.64881
6976.55972	0.175E-26	233	11	2	9	000	12	2	10	78.53860
6976.59400	0.128E-26	233	11	5	6	000	12	5	7	143.76007
6976.66200	0.985E-27	233	11	6	5	000	12	6	6	178.08336
6976.67319	0.107E-27	233	22	5	18	000	22	5	17	290.94154
6976.72741	0.132E-27	233	22	6	17	000	22	6	16	325.19334
6976.73400	0.712E-27	233	11	7	4	000	12	7	5	218.58726
6976.80700	0.478E-27	233	11	8	3	000	12	8	4	265.23840
6976.86500	0.291E-27	233	11	9	2	000	12	9	3	317.99985
6977.01286	0.151E-27	233	22	9	14	000	22	9	13	465.04012
6977.51178	0.171E-26	233	10	2	9	000	11	2	10	67.90283
6977.84500	0.211E-26	233	10	1	10	000	11	1	11	56.80500
6977.84505	0.127E-27	233	21	5	16	000	21	5	17	272.42949
6977.89954	0.156E-27	233	21	6	15	000	21	6	16	306.69580
6977.96932	0.176E-26	233	10	3	8	000	11	3	9	83.67704
6977.97519	0.150E-26	233	10	4	7	000	11	4	8	105.55758
6977.98009	0.175E-27	233	21	7	14	000	21	7	15	347.16904
6978.02962	0.120E-26	233	10	5	6	000	11	5	7	133.67314
6978.07704	0.183E-27	233	21	8	13	000	21	8	14	393.80365
6978.09691	0.902E-27	233	10	6	5	000	11	6	6	167.99829
6978.16600	0.628E-27	233	10	7	4	000	11	7	5	208.50304
6978.17726	0.179E-27	233	21	9	12	000	21	9	13	446.55686
6978.94029	0.108E-27	233	20	4	17	000	20	4	16	226.75495
6978.94965	0.150E-27	233	20	5	16	000	20	5	15	254.76284
6979.00491	0.207E-26	233	9	1	8	000	10	1	9	50.64321
6979.01882	0.185E-27	233	20	6	15	000	20	6	14	289.04007
6979.10034	0.207E-27	233	20	7	14	000	20	7	13	329.51970
6979.17609	0.211E-26	233	9	0	9	000	10	0	10	45.90075
6979.19769	0.216E-27	233	20	8	13	000	20	8	12	376.15796
6979.29161	0.211E-27	233	20	9	12	000	20	9	11	428.91325
6979.33065	0.168E-26	233	9	3	6	000	10	3	7	74.43138
6979.35401	0.141E-26	233	9	4	5	000	10	4	6	96.30894
6979.41100	0.110E-26	233	9	5	4	000	10	5	5	124.42741

6979.45900	0.152E-26	233	9	2	7	000	10	2	8	58.98104
6979.47579	0.792E-27	233	9	6	3	000	10	6	4	158.75393
6979.54882	0.519E-27	233	9	7	2	000	10	7	3	199.25926
6980.02635	0.128E-27	233	19	4	15	000	19	4	16	209.89364
6980.08826	0.217E-27	233	19	6	13	000	19	6	14	272.22598
6980.16965	0.243E-27	233	19	7	12	000	19	7	13	312.71105
6980.25300	0.145E-26	233	8	2	7	000	9	2	8	50.30211
6980.26057	0.253E-27	233	19	8	11	000	19	8	12	359.35239
6980.35387	0.248E-27	233	19	9	10	000	19	9	11	412.10938
6980.58700	0.194E-26	233	8	1	8	000	9	1	9	39.75057
6980.65400	0.156E-26	233	8	3	6	000	9	3	7	66.01268
6980.68100	0.128E-26	233	8	4	5	000	9	4	6	87.90195
6980.79758	0.653E-27	233	8	6	3	000	9	6	4	150.35020
6980.87100	0.382E-27	233	8	7	2	000	9	7	3	190.85589
6981.01765	0.150E-27	233	18	4	15	000	18	4	14	193.90699
6981.04477	0.207E-27	233	18	5	14	000	18	5	13	221.95763
6981.10519	0.254E-27	233	18	6	13	000	18	6	12	256.25341
6981.18699	0.285E-27	233	18	7	12	000	18	7	11	296.74306
6981.27343	0.296E-27	233	18	8	11	000	18	8	10	343.38696
6981.36407	0.291E-27	233	18	9	10	000	18	9	9	396.14531
6981.64770	0.183E-26	233	7	1	6	000	8	1	7	34.25104
6981.79220	0.188E-26	233	7	0	7	000	8	0	8	30.11193
6981.91812	0.141E-26	233	7	3	4	000	8	3	5	58.44636
6981.95291	0.111E-26	233	7	4	3	000	8	4	4	80.33659
6981.98512	0.176E-27	233	17	4	13	000	17	4	14	178.74687
6982.00843	0.242E-27	233	17	5	12	000	17	5	13	206.81920
6982.01200	0.789E-27	233	7	5	2	000	8	5	3	108.45891
6982.07018	0.297E-27	233	17	6	11	000	17	6	12	241.12223
6982.07712	0.480E-27	233	7	6	1	000	8	6	2	142.78703
6982.14680	0.332E-27	233	17	7	10	000	17	7	11	281.61570
6982.21055	0.105E-27	233	17	3	14	000	17	3	15	156.90332
6982.23528	0.346E-27	233	17	8	9	000	17	8	10	328.26168
6982.31921	0.339E-27	233	17	9	8	000	17	9	9	381.02110
6982.77600	0.107E-26	233	6	2	5	000	7	2	6	36.04189
6982.88420	0.205E-27	233	16	4	13	000	16	4	12	164.44367
6982.91774	0.283E-27	233	16	5	12	000	16	5	11	192.52346
6982.93037	0.118E-27	233	16	3	14	000	16	3	13	142.71278
6982.98109	0.346E-27	233	16	6	11	000	16	6	10	226.83233
6983.05876	0.387E-27	233	16	7	10	000	16	7	9	267.32894
6983.11209	0.165E-26	233	6	1	6	000	7	1	7	25.92939
6983.13355	0.122E-26	233	6	3	4	000	7	3	5	51.71786
6983.16970	0.912E-27	233	6	4	3	000	7	4	4	73.61247
6983.22530	0.395E-27	233	16	9	8	000	16	9	7	366.73680
6983.22729	0.579E-27	233	6	5	2	000	7	5	3	101.73586
6983.74119	0.239E-27	233	15	4	11	000	15	4	12	150.97722
6983.77565	0.329E-27	233	15	5	10	000	15	5	11	179.06981
6983.84202	0.402E-27	233	15	6	9	000	15	6	10	213.38360
6983.86391	0.144E-27	233	15	3	12	000	15	3	13	129.12198
6983.91920	0.450E-27	233	15	7	8	000	15	7	9	253.88274
6984.07600	0.147E-26	233	5	1	4	000	6	1	5	21.29443
6984.07651	0.459E-27	233	15	9	6	000	15	9	7	353.29248
6984.19184	0.153E-26	233	5	0	5	000	6	0	6	17.59734
6984.29437	0.100E-26	233	5	3	2	000	6	3	3	45.83360
6984.33476	0.670E-27	233	5	4	1	000	6	4	2	67.72941
6984.39013	0.321E-27	233	5	5	0	000	6	5	1	95.85345
6984.45173	0.939E-27	233	5	2	3	000	6	2	4	30.20948
6984.54134	0.278E-27	233	14	4	11	000	14	4	10	138.35915
6984.56899	0.166E-27	233	14	3	12	000	14	3	11	116.55199
6984.58059	0.382E-27	233	14	5	10	000	14	5	9	166.45822
6984.72366	0.522E-27	233	14	7	8	000	14	7	7	241.27708
6984.80167	0.543E-27	233	14	8	7	000	14	8	6	287.92702
6984.87129	0.532E-27	233	14	9	6	000	14	9	5	340.68819
6985.28839	0.323E-27	233	13	4	9	000	13	4	10	126.58176
6985.33330	0.443E-27	233	13	5	8	000	13	5	9	154.68835
6985.34990	0.197E-27	233	13	3	10	000	13	3	11	104.71309
6985.39572	0.541E-27	233	13	6	7	000	13	6	8	189.00920
6985.39810	0.124E-26	233	4	1	4	000	5	1	5	15.35058
6985.40747	0.737E-27	233	4	3	2	000	5	3	3	40.78997
6985.44441	0.373E-27	233	4	4	1	000	5	4	2	62.68717
6985.47257	0.605E-27	233	13	7	6	000	13	7	7	229.51193
6985.54644	0.630E-27	233	13	8	5	000	13	8	6	276.16258
6985.62023	0.617E-27	233	13	9	4	000	13	9	5	328.92396

6985.98777	0.375E-27	233	12	4	9	000	12	4	8	115.64881	
6985.99375	0.228E-27	233	12	3	10	000	12	3	9	93.79634	
6986.03428	0.514E-27	233	12	5	8	000	12	5	7	143.76007	
6986.09989	0.627E-27	233	12	6	7	000	12	6	6	178.08336	
6986.17167	0.701E-27	233	12	7	6	000	12	7	5	218.58726	
6986.24418	0.730E-27	233	12	8	5	000	12	8	4	265.23840	
6986.28986	0.100E-26	233	3	1	2	000	4	1	3	11.78459	
6986.43357	0.127E-27	233	10	2	9	000	10	2	8	58.98104	
6986.45360	0.414E-27	233	3	3	0	000	4	3	1	36.58784	
6986.53775	0.589E-27	233	3	2	1	000	4	2	2	20.94021	
6986.63380	0.436E-27	233	11	4	7	000	11	4	8	105.55758	
6986.64730	0.268E-27	233	11	3	8	000	11	3	9	83.67704	
6986.68093	0.596E-27	233	11	5	6	000	11	5	7	133.67314	
6986.74707	0.728E-27	233	11	6	5	000	11	6	6	167.99829	
6986.81822	0.814E-27	233	11	7	4	000	11	7	5	208.50304	
6986.89092	0.847E-27	233	11	8	3	000	11	8	4	255.15448	
6986.94895	0.830E-27	233	11	9	2	000	11	9	3	307.91590	
6987.19549	0.110E-27	233	11	2	9	000	11	2	10	67.90283	
6987.21498	0.312E-27	233	10	3	8	000	10	3	7	74.43138	
6987.22383	0.508E-27	233	10	4	7	000	10	4	6	96.30894	
6987.27535	0.694E-27	233	10	5	6	000	10	5	5	124.42741	
6987.34127	0.846E-27	233	10	6	5	000	10	6	4	158.75393	
6987.40978	0.946E-27	233	10	7	4	000	10	7	3	199.25926	
6987.45254	0.727E-27	233	2	1	2	000	3	1	3	8.02168	
6987.67423	0.166E-27	233	8	2	7	000	8	2	6	42.88088	
6987.74935	0.367E-27	233	9	3	6	000	9	3	7	66.01268	
6987.76099	0.593E-27	233	9	4	5	000	9	4	6	87.90195	
6987.81569	0.810E-27	233	9	5	4	000	9	5	5	116.02272	
6987.87952	0.988E-27	233	9	6	3	000	9	6	4	150.35020	
6987.95219	0.110E-26	233	9	7	2	000	9	7	3	190.85589	
6988.13793	0.141E-27	233	9	2	7	000	9	2	8	50.30211	
6988.22032	0.432E-27	233	8	3	6	000	8	3	5	58.44636	
6988.24636	0.697E-27	233	8	4	5	000	8	4	4	80.33659	
6988.36075	0.116E-26	233	8	6	3	000	8	6	2	142.78703	
6988.43398	0.130E-26	233	8	7	2	000	8	7	1	183.29291	
6988.60841	0.213E-27	233	6	2	5	000	6	2	4	30.20948	
6988.64662	0.513E-27	233	7	3	4	000	7	3	5	51.71786	
6988.67703	0.826E-27	233	7	4	3	000	7	4	4	73.61247	
6988.73505	0.113E-26	233	7	5	2	000	7	5	3	101.73586	
6988.79978	0.137E-26	233	7	6	1	000	7	6	2	136.06437	
6988.96409	0.119E-27	233	4	1	4	000	4	1	3	11.78459	
6989.01781	0.617E-27	233	6	3	4	000	6	3	3	45.83360	
6989.05276	0.991E-27	233	6	4	3	000	6	4	2	67.72941	
6989.10970	0.135E-26	233	6	5	2	000	6	5	1	95.85345	
6989.33800	0.757E-27	233	5	3	2	000	5	3	3	40.78997	
6989.37700	0.121E-26	233	5	4	1	000	5	4	2	62.68717	
6989.43200	0.165E-26	233	5	5	0	000	5	5	1	90.81158	
6989.53149	0.267E-27	233	5	2	3	000	5	2	4	25.12972	
6989.60960	0.956E-27	233	4	3	2	000	4	3	1	36.58784	
6989.64600	0.153E-26	233	4	4	1	000	4	4	0	58.48558	
6989.74491	0.230E-27	233	2	1	2	000	2	1	1	5.72931	
6989.81500	0.127E-26	233	3	3	0	000	3	3	1	33.22644	
6989.90652	0.468E-27	233	3	2	1	000	3	2	2	17.57144	
6990.05277	0.159E-27	233	3	1	2	000	3	1	3	8.02168	
6991.32911	0.129E-26	233	25	0	25	000	24	0	24	245.49835	
6991.52600	0.419E-27	233	2	1	2	000	1	1	1	3.94822	
6991.71100	0.141E-26	233	24	1	24	000	23	1	23	226.45186	!! exclu du fit
6992.34514	0.738E-27	233	3	1	2	000	2	1	1	5.72931	
6992.42600	0.339E-27	233	3	2	1	000	2	2	0	15.05196	
6992.53900	0.155E-26	233	23	0	23	000	22	0	22	207.56234	
6992.72700	0.101E-26	233	4	1	4	000	3	1	3	8.02168	
6992.84406	0.830E-27	233	24	3	22	000	23	3	21	260.44685	
6992.92535	0.166E-26	233	22	1	22	000	21	1	21	190.21251	
6992.95412	0.130E-26	233	24	2	23	000	23	2	22	243.03326	
6992.97100	0.421E-27	233	4	3	2	000	3	3	1	33.22644	
6993.09093	0.125E-26	233	25	1	24	000	24	1	23	259.66969	
6993.39816	0.135E-26	233	5	0	5	000	4	0	4	8.39102	
6993.54013	0.752E-27	233	5	3	2	000	4	3	1	36.58784	
6993.55600	0.180E-26	233	21	0	21	000	20	0	20	172.75680	
6993.57859	0.381E-27	233	5	4	1	000	4	4	0	58.48558	
6993.58584	0.128E-26	233	5	1	4	000	4	1	3	11.78459	
6993.68817	0.949E-27	233	6	2	5	000	5	2	4	25.12972	

6993.69090	0.149E-26	233	6	1	6	000	5	1	5	15.35058
6993.72100	0.782E-27	233	5	2	3	000	4	2	2	20.94021
6993.86264	0.880E-27	233	25	5	20	000	24	5	19	330.49655
6993.86971	0.190E-26	233	20	1	20	000	19	1	19	157.14710
6993.99600	0.592E-27	233	25	7	18	000	24	7	17	405.16166
6994.06144	0.103E-26	233	6	3	4	000	5	3	3	40.78997
6994.09500	0.687E-27	233	6	4	3	000	5	4	2	62.68717
6994.15157	0.330E-27	233	6	5	2	000	5	5	1	90.81158
6994.15712	0.122E-26	233	25	2	23	000	24	2	22	269.21484
6994.17000	0.111E-26	233	25	3	22	000	24	3	21	281.83295
6994.21000	0.346E-27	233	25	9	16	000	24	9	15	504.52536
6994.30679	0.177E-26	233	7	0	7	000	6	0	6	17.59734
6994.38100	0.965E-27	233	24	5	20	000	23	5	19	310.29473
6994.38141	0.203E-26	233	19	0	19	000	18	0	18	141.08198
6994.40818	0.186E-26	233	8	1	8	000	7	1	7	25.92939
6994.44700	0.109E-26	233	24	4	21	000	23	4	20	282.32885
6994.48120	0.647E-27	233	24	7	18	000	23	7	17	384.98999
6994.48758	0.209E-26	233	18	1	18	000	17	1	17	127.26394
6994.51322	0.138E-26	233	8	2	7	000	7	2	6	36.04189
6994.53088	0.126E-26	233	7	3	4	000	6	3	3	45.83360
6994.56009	0.940E-27	233	7	4	3	000	6	4	2	67.72941
6994.57971	0.502E-27	233	24	8	17	000	23	8	16	431.61525
6994.60431	0.171E-26	233	7	1	6	000	6	1	5	21.29443
6994.61746	0.597E-27	233	7	5	2	000	6	5	1	95.85345
6994.68200	0.274E-27	233	7	6	1	000	6	6	0	130.18215
6994.68460	0.376E-27	233	24	9	16	000	23	9	15	484.36298
6994.81300	0.105E-26	233	23	5	18	000	22	5	17	290.94154
6994.83900	0.874E-27	233	23	6	17	000	22	6	16	325.19334
6994.89943	0.212E-26	233	10	1	10	000	9	1	9	39.75057
6994.91553	0.700E-27	233	23	7	16	000	22	7	15	365.65913
6994.93259	0.223E-26	233	16	1	16	000	15	1	15	100.57235
6994.94882	0.145E-26	233	8	3	6	000	7	3	5	51.71786
6994.96491	0.208E-26	233	9	0	9	000	8	0	8	30.11193
6994.97048	0.115E-26	233	8	4	5	000	7	4	4	73.61247
6994.98578	0.221E-26	233	17	0	17	000	16	0	16	112.54241
6995.03962	0.133E-26	233	23	3	20	000	22	3	19	241.83170
6995.08341	0.496E-27	233	8	6	3	000	7	6	2	136.06437
6995.11250	0.171E-26	233	10	2	9	000	9	2	8	50.30211
6995.11924	0.404E-27	233	23	9	14	000	22	9	13	465.04012
6995.14248	0.226E-26	233	12	1	12	000	11	1	11	56.80500
6995.15143	0.230E-26	233	14	1	14	000	13	1	13	77.08248
6995.15658	0.218E-27	233	8	7	2	000	7	7	1	176.57031
6995.17259	0.178E-26	233	21	1	20	000	20	1	19	183.43074
6995.18524	0.113E-26	233	22	5	18	000	21	5	17	272.42949
6995.22495	0.940E-27	233	22	6	17	000	21	6	16	306.69580
6995.22861	0.130E-26	233	22	4	19	000	21	4	18	244.42024
6995.26318	0.190E-26	233	18	2	17	000	17	2	16	140.64712
6995.31567	0.162E-26	233	9	3	6	000	8	3	5	58.44636
6995.32636	0.133E-26	233	9	4	5	000	8	4	4	80.33659
6995.35949	0.228E-26	233	11	0	11	000	10	0	10	45.90075
6995.36077	0.233E-26	233	15	0	15	000	14	0	14	87.14988
6995.37950	0.998E-27	233	9	5	4	000	8	5	3	108.45891
6995.39708	0.204E-26	233	9	1	8	000	8	1	7	34.25104
6995.44269	0.679E-27	233	9	6	3	000	8	6	2	142.78703
6995.48857	0.236E-26	233	13	0	13	000	12	0	12	64.92574
6995.48892	0.192E-26	233	12	2	11	000	11	2	10	67.90283
6995.49612	0.430E-27	233	22	9	14	000	21	9	13	446.55686
6995.51170	0.121E-26	233	21	5	16	000	20	5	15	254.76284
6995.51517	0.397E-27	233	9	7	2	000	8	7	1	183.29291
6995.54211	0.140E-26	233	21	4	17	000	20	4	16	226.75495
6995.55527	0.100E-26	233	21	6	15	000	20	6	14	289.04007
6995.55916	0.149E-26	233	9	2	7	000	8	2	6	42.88088
6995.55957	0.200E-26	233	16	2	15	000	15	2	14	113.08698
6995.62943	0.798E-27	233	21	7	14	000	20	7	13	329.51970
6995.63081	0.147E-26	233	10	4	7	000	9	4	6	87.90195
6995.63123	0.201E-26	233	14	2	13	000	13	2	12	88.83475
6995.63368	0.174E-26	233	10	3	8	000	9	3	7	66.01268
6995.68004	0.114E-26	233	10	5	6	000	9	5	5	116.02272
6995.70412	0.153E-26	233	21	3	18	000	20	3	17	205.32847
6995.72273	0.612E-27	233	21	8	13	000	20	8	12	376.15796
6995.74500	0.827E-27	233	10	6	5	000	9	6	4	150.35020
6995.77409	0.128E-26	233	20	5	16	000	19	5	15	237.93840

6995.80160	0.149E-26	233	20	4	17	000	19	4	16	209.89364
6995.81315	0.542E-27	233	10	7	4	000	9	7	3	190.85589
6995.82087	0.452E-27	233	21	9	12	000	20	9	11	428.91325
6995.83291	0.106E-26	233	20	6	15	000	19	6	14	272.22598
6995.83338	0.201E-26	233	19	1	18	000	18	1	17	150.18998
6995.88244	0.158E-26	233	11	4	7	000	10	4	6	96.30894
6995.89296	0.184E-26	233	11	3	8	000	10	3	7	74.43138
6995.90899	0.838E-27	233	20	7	14	000	19	7	13	312.71105
6995.92666	0.126E-26	233	11	5	6	000	10	5	5	124.42741
6995.96626	0.225E-26	233	11	1	10	000	10	1	9	50.64321
6995.99143	0.946E-27	233	11	6	5	000	10	6	4	158.75393
6996.00326	0.640E-27	233	20	8	13	000	19	8	12	359.35239
6996.01300	0.157E-26	233	19	4	15	000	18	4	14	193.90699
6996.06083	0.110E-26	233	19	6	13	000	18	6	12	256.25341
6996.06200	0.658E-27	233	11	7	4	000	10	7	3	199.25926
6996.07900	0.166E-26	233	12	4	9	000	11	4	8	105.55758
6996.09548	0.471E-27	233	20	9	12	000	19	9	11	412.10938
6996.11305	0.190E-26	233	12	3	10	000	11	3	9	83.67704
6996.11728	0.180E-26	233	11	2	9	000	10	2	8	58.98104
6996.12121	0.135E-26	233	12	5	8	000	11	5	7	133.67314
6996.13455	0.415E-27	233	11	8	3	000	10	8	2	245.91085
6996.13764	0.872E-27	233	19	7	12	000	18	7	11	296.74306
6996.15600	0.172E-26	233	19	3	16	000	18	3	15	172.29737
6996.17777	0.163E-26	233	18	4	15	000	17	4	14	178.74687
6996.18320	0.140E-26	233	18	5	14	000	17	5	13	206.81920
6996.18496	0.104E-26	233	12	6	7	000	11	6	6	167.99829
6996.19270	0.226E-27	233	11	9	2	000	10	9	1	298.67215
6996.22134	0.171E-26	233	13	4	9	000	12	4	8	115.64881
6996.22600	0.662E-27	233	19	8	11	000	18	8	10	343.38696
6996.23637	0.114E-26	233	18	6	13	000	17	6	12	241.12223
6996.23742	0.220E-26	233	17	1	16	000	16	1	15	120.25713
6996.24249	0.193E-26	233	19	2	17	000	18	2	16	158.16527
6996.25589	0.750E-27	233	12	7	6	000	11	7	5	208.50304
6996.26158	0.141E-26	233	13	5	8	000	12	5	7	143.76007
6996.26665	0.195E-26	233	13	3	10	000	12	3	9	93.79634
6996.28832	0.169E-26	233	17	4	13	000	16	4	12	164.44367
6996.29702	0.234E-26	233	13	1	12	000	12	1	11	70.45572
6996.30417	0.144E-26	233	17	5	12	000	16	5	11	192.52346
6996.31435	0.896E-27	233	18	7	12	000	17	7	11	281.61570
6996.31794	0.483E-27	233	19	9	10	000	18	9	9	396.14531
6996.31873	0.174E-26	233	14	4	11	000	13	4	10	126.58176
6996.32156	0.110E-26	233	13	6	7	000	12	6	6	178.08336
6996.32810	0.503E-27	233	12	8	5	000	11	8	4	255.15448
6996.35046	0.145E-26	233	14	5	10	000	13	5	9	154.68835
6996.35065	0.172E-26	233	16	4	13	000	15	4	12	150.97722
6996.35926	0.174E-26	233	15	4	11	000	14	4	10	138.35915
6996.36008	0.117E-26	233	17	6	11	000	16	6	10	226.83233
6996.37139	0.146E-26	233	16	5	12	000	15	5	11	179.06981
6996.38724	0.146E-26	233	15	5	10	000	14	5	9	166.45822
6996.39039	0.232E-26	233	15	1	14	000	14	1	13	93.66874
6996.39724	0.818E-27	233	13	7	6	000	12	7	5	218.58726
6996.39871	0.676E-27	233	18	8	11	000	17	8	10	328.26168
6996.40109	0.186E-26	233	17	3	14	000	16	3	13	142.71278
6996.40287	0.125E-26	233	20	3	18	000	19	3	17	188.05475
6996.40789	0.193E-26	233	14	3	12	000	13	3	11	104.71309
6996.42982	0.118E-26	233	16	6	11	000	15	6	10	213.38360
6996.43356	0.910E-27	233	17	7	10	000	16	7	9	267.32894
6996.43390	0.195E-26	233	15	3	12	000	14	3	11	116.55199
6996.44970	0.117E-26	233	15	6	9	000	14	6	8	200.77592
6996.45174	0.201E-26	233	13	2	11	000	12	2	10	78.53860
6996.47062	0.571E-27	233	13	8	5	000	12	8	4	265.23840
6996.48828	0.489E-27	233	18	9	10	000	17	9	9	381.02110
6996.48881	0.867E-27	233	14	7	8	000	13	7	7	229.51193
6996.49821	0.161E-26	233	18	3	16	000	17	3	15	156.90332
6996.50496	0.911E-27	233	16	7	10	000	15	7	9	253.88274
6996.52037	0.680E-27	233	17	8	9	000	16	8	8	313.97659
6996.52117	0.183E-26	233	16	3	14	000	15	3	13	129.12198
6996.52185	0.207E-26	233	17	2	15	000	16	2	14	128.11956
6996.52486	0.897E-27	233	15	7	8	000	14	7	7	241.27708
6996.54434	0.370E-27	233	13	9	4	000	12	9	3	317.99985
6996.56611	0.621E-27	233	14	8	7	000	13	8	6	276.16258
6996.58924	0.211E-26	233	15	2	13	000	14	2	12	101.57908

6996.60351	0.487E-27	233	17	9	8	000	16	9	7	366.73680
6996.63552	0.419E-27	233	14	9	6	000	13	9	5	328.92396
6996.66962	0.475E-27	233	16	9	8	000	15	9	7	353.29248
6996.68080	0.453E-27	233	15	9	6	000	14	9	5	340.68819