

Potential Energy Curves of TiV at the MRCI/cc-pVQZ level. (Distances in Å and Energies in E_h).

$X^4\Sigma^-$		$1^2\Delta$		$2^2\Gamma$		$3^2\Sigma^+$	
1.55	-1791.389935	1.60	-1791.396060	1.60	-1791.406289	1.60	-1791.405255
1.60	-1791.419030	1.65	-1791.420997	1.65	-1791.425594	1.65	-1791.424578
1.65	-1791.439383	1.70	-1791.438438	1.70	-1791.438245	1.70	-1791.437229
1.70	-1791.452610	1.75	-1791.450158	1.75	-1791.446087	1.75	-1791.445065
1.75	-1791.460420	1.80	-1791.457545	1.80	-1791.450553	1.80	-1791.449535
1.80	-1791.465335	1.85	-1791.462308	1.85	-1791.451995	1.85	-1791.451027
1.85	-1791.467730	1.90	-1791.463974	1.90	-1791.452527	1.90	-1791.451581
1.90	-1791.468292	1.95	-1791.463800	1.95	-1791.452073	1.95	-1791.451161
1.95	-1791.467696	2.00	-1791.462391	2.00	-1791.451581	2.00	-1791.450743
2.00	-1791.466160	2.05	-1791.459892	2.05	-1791.450492	2.05	-1791.449693
2.05	-1791.463728	2.10	-1791.456679	2.10	-1791.448614	2.10	-1791.447846
2.10	-1791.461082	2.15	-1791.452981	2.15	-1791.446571	2.15	-1791.445822
2.15	-1791.458693	2.20	-1791.448951	2.20	-1791.444413	2.20	-1791.443681
2.20	-1791.455393	2.30	-1791.440448	2.30	-1791.440133	2.30	-1791.439419
2.25	-1791.451969	2.35	-1791.437220	2.35	-1791.437649	2.35	-1791.436934
2.30	-1791.448263	2.40	-1791.436754	2.40	-1791.426811	2.40	-1791.425411
2.35	-1791.442443	2.50	-1791.435779	2.50	-1791.430171	2.50	-1791.429235
2.37	-1791.440970	2.60	-1791.434699	2.60	-1791.431864	2.60	-1791.431158
2.40	-1791.429857	2.70	-1791.433356	2.70	-1791.432156	2.70	-1791.431559
2.45	-1791.431823	2.80	-1791.431615	2.80	-1791.431279	2.80	-1791.430736
2.50	-1791.433379	2.90	-1791.429418	2.90	-1791.429381	2.90	-1791.428860
2.55	-1791.434563	2.95	-1791.426327	2.95	-1791.426112	2.95	-1791.425544
2.60	-1791.435408	3.00	-1791.422412	3.00	-1791.420797	3.00	-1791.420151
2.65	-1791.435946	3.10	-1791.424246	3.10	-1791.422454	3.10	-1791.421990
2.70	-1791.436211	3.20	-1791.425571	3.20	-1791.424098	3.20	-1791.423658
2.75	-1791.436224	3.30	-1791.426370	3.30	-1791.425177	3.30	-1791.424748
2.80	-1791.436014	3.40	-1791.426705	3.40	-1791.425755	3.40	-1791.425332
2.85	-1791.435537	3.50	-1791.426668	3.50	-1791.425804	3.50	-1791.425386
2.90	-1791.434962	3.60	-1791.426435	3.60	-1791.425651	3.60	-1791.425404
2.95	-1791.434245	3.70	-1791.426100	3.70	-1791.425450	3.70	-1791.425197
3.00	-1791.433409	3.80	-1791.425717	3.80	-1791.425249	3.80	-1791.424846
3.05	-1791.432468	4.00	-1791.424484	4.00	-1791.424549	4.00	-1791.424289
3.10	-1791.431427	4.30	-1791.423030	4.30	-1791.423365	4.30	-1791.423052
3.15	-1791.430253	4.50	-1791.422564	4.50	-1791.422891	4.50	-1791.422569
3.25	-1791.428227	5.00	-1791.421706	5.00	-1791.422034	5.00	-1791.421712
3.30	-1791.427519	5.50	-1791.421192	5.50	-1791.421511	5.50	-1791.421189
3.35	-1791.426815	6.00	-1791.420888	6.00	-1791.421186	6.00	-1791.420862
3.40	-1791.426109	7.00	-1791.420553	7.00	-1791.420855	7.00	-1791.420529
3.50	-1791.425985	8.00	-1791.420424	8.00	-1791.420727	8.00	-1791.420398
3.55	-1791.425989	10.00	-1791.420334	10.00	-1791.420330	10.00	-1791.420334
3.60	-1791.425952						
3.70	-1791.425790						
3.80	-1791.425553						
3.90	-1791.425279						
4.00	-1791.424990						
4.20	-1791.424428						
4.40	-1791.423932						
4.60	-1791.423515						
4.80	-1791.423171						
5.00	-1791.422937						
5.50	-1791.422425						
6.00	-1791.422102						
6.50	-1791.421854						
7.00	-1791.421728						
8.00	-1791.421600						
10.00	-1791.421537						

$4^4\Pi$		$5^2\Sigma^-$		$6^8\Delta$		$7^4\Delta$	
1.65	-1791.396112	1.60	-1791.407402	2.00	-1791.396500	1.65	-1791.398246
1.70	-1791.415108	1.65	-1791.425464	2.10	-1791.413190	1.70	-1791.414936
1.75	-1791.428697	1.70	-1791.436741	2.15	-1791.420800	1.75	-1791.426046
1.80	-1791.438154	1.75	-1791.443125	2.20	-1791.426800	1.80	-1791.433158
1.85	-1791.443957	1.80	-1791.446056	2.25	-1791.431810	1.85	-1791.437540
1.90	-1791.447664	1.85	-1791.446320	2.30	-1791.435900	1.90	-1791.440182
1.98	-1791.449895	1.90	-1791.445479	2.35	-1791.439160	2.00	-1791.442883
2.00	-1791.449970	1.95	-1791.443781	2.40	-1791.441720	2.10	-1791.444182
2.05	-1791.449393	2.00	-1791.442389	2.45	-1791.443520	2.20	-1791.444330
2.10	-1791.448120	2.05	-1791.440608	2.50	-1791.444770	2.30	-1791.443368
2.15	-1791.446340	2.10	-1791.439252	2.55	-1791.445550	2.35	-1791.442287
2.20	-1791.442254	2.15	-1791.438320	2.60	-1791.445890	2.40	-1791.440299
2.23	-1791.432350	2.20	-1791.437481	2.65	-1791.445880	2.45	-1791.431823
2.25	-1791.432860	2.30	-1791.436182	2.70	-1791.445470	2.50	-1791.433379
2.30	-1791.433700	2.35	-1791.434076	2.75	-1791.444880	2.55	-1791.434563
2.35	-1791.434627	2.40	-1791.426762	2.80	-1791.444060	2.60	-1791.435408
2.40	-1791.435292	2.50	-1791.430010	2.90	-1791.441840	2.65	-1791.435946
2.45	-1791.435695	2.60	-1791.431625	3.00	-1791.439040	2.70	-1791.436211
2.50	-1791.436260	2.70	-1791.431866	3.10	-1791.435990	2.75	-1791.435949
2.55	-1791.436886	2.80	-1791.430873	3.20	-1791.433060	2.80	-1791.435133
2.60	-1791.437402	2.90	-1791.428948	3.30	-1791.429680	2.85	-1791.434234
2.70	-1791.437756	2.95	-1791.425613	3.35	-1791.428710	2.90	-1791.433257
2.75	-1791.437606	3.00	-1791.420197	3.40	-1791.427780	2.95	-1791.432211
2.80	-1791.437266	3.10	-1791.422008	3.50	-1791.426040	3.00	-1791.431106
2.85	-1791.436755	3.20	-1791.423666	3.60	-1791.424460	3.05	-1791.429949
2.91	-1791.435942	3.30	-1791.424752	3.80	-1791.421760	3.10	-1791.428741
2.95	-1791.435296	3.40	-1791.425425	4.00	-1791.419620	3.15	-1791.427454
3.00	-1791.434387	3.50	-1791.425388	4.20	-1791.417950	3.20	-1791.425757
3.06	-1791.433189	3.60	-1791.425404	4.40	-1791.416690	3.25	-1791.425277
3.10	-1791.432294	3.70	-1791.425197	4.60	-1791.415740	3.30	-1791.425668
3.13	-1791.431727	3.80	-1791.424848	4.80	-1791.415020	3.35	-1791.425935
3.15	-1791.431100	4.00	-1791.424191	4.90	-1791.414740	3.40	-1791.426096
3.18	-1791.430385	4.30	-1791.423054	5.00	-1791.414490	3.50	-1791.426182
3.19	-1791.429220	4.50	-1791.422573	5.50	-1791.413670	3.55	-1791.426140
3.20	-1791.428300	5.00	-1791.421506	6.00	-1791.413250	3.60	-1791.426059
3.22	-1791.427870	5.50	-1791.421104	7.00	-1791.412880	3.70	-1791.425814
3.25	-1791.427465	6.00	-1791.420864	7.50	-1791.412800	3.80	-1791.425502
3.30	-1791.426787	7.00	-1791.420527	8.00	-1791.412750	3.90	-1791.425160
3.40	-1791.427018	8.00	-1791.420398	10.00	-1791.412670	4.00	-1791.424811
3.50	-1791.427148	10.00	-1791.420333			4.20	-1791.424399
3.60	-1791.426958					4.40	-1791.423828
3.70	-1791.426651					4.60	-1791.423357
3.80	-1791.426283					4.80	-1791.422977
4.00	-1791.425496					5.00	-1791.422670
4.20	-1791.424760					5.50	-1791.422132
4.40	-1791.424134					6.00	-1791.421806
4.60	-1791.423625					6.50	-1791.421606
4.80	-1791.423218					7.00	-1791.421482
5.00	-1791.422893					8.00	-1791.421359
5.20	-1791.422632					10.00	-1791.421287
5.50	-1791.422332						
6.00	-1791.421995						
6.50	-1791.421788						
7.00	-1791.421660						
7.50	-1791.421578						
8.00	-1791.421527						
10.00	-1791.421449						

8⁸H		9⁶Π		10⁶H		11⁸Π	
2.10	-1791.375160	1.85	-1791.415701	1.85	-1791.372453	2.10	-1791.393612
2.20	-1791.397349	1.90	-1791.419954	1.90	-1791.383225	2.20	-1791.405610
2.30	-1791.413790	1.95	-1791.423427	1.95	-1791.392332	2.30	-1791.417920
2.40	-1791.425743	2.00	-1791.426626	2.00	-1791.400250	2.40	-1791.427100
2.45	-1791.430226	2.05	-1791.429595	2.05	-1791.407194	2.45	-1791.430730
2.50	-1791.433727	2.10	-1791.432227	2.10	-1791.413277	2.50	-1791.433500
2.55	-1791.436173	2.15	-1791.434451	2.15	-1791.418575	2.55	-1791.435390
2.60	-1791.438049	2.20	-1791.436239	2.20	-1791.423196	2.60	-1791.436960
2.65	-1791.439534	2.25	-1791.437603	2.25	-1791.427082	2.65	-1791.438270
2.70	-1791.440518	2.30	-1791.438597	2.30	-1791.430354	2.70	-1791.439180
2.75	-1791.441069	2.35	-1791.439295	2.35	-1791.433071	2.75	-1791.439720
2.80	-1791.441244	2.40	-1791.439783	2.40	-1791.435297	2.80	-1791.439940
2.85	-1791.441095	2.45	-1791.440138	2.45	-1791.437085	2.85	-1791.439860
2.90	-1791.440665	2.50	-1791.440415	2.50	-1791.438481	2.90	-1791.439520
2.95	-1791.439998	2.55	-1791.440635	2.55	-1791.439522	2.95	-1791.438950
3.00	-1791.439134	2.60	-1791.440780	2.60	-1791.440235	3.00	-1791.438180
3.10	-1791.436935	2.65	-1791.440818	2.65	-1791.440651	3.10	-1791.436170
3.20	-1791.434344	2.70	-1791.440718	2.70	-1791.440797	3.20	-1791.433740
3.30	-1791.430735	2.75	-1791.440464	2.75	-1791.440698	3.30	-1791.430360
3.40	-1791.428928	2.80	-1791.440051	2.80	-1791.440377	3.40	-1791.428600
3.50	-1791.427190	2.85	-1791.439483	2.85	-1791.439860	3.50	-1791.426890
3.60	-1791.425555	2.90	-1791.438773	2.90	-1791.439170	3.60	-1791.425280
3.80	-1791.422672	2.95	-1791.437936	2.95	-1791.438336	3.80	-1791.422430
4.00	-1791.420343	3.00	-1791.436993	3.00	-1791.437382	4.00	-1791.420130
4.20	-1791.418533	3.05	-1791.435969	3.05	-1791.436337	4.20	-1791.418350
4.40	-1791.417158	3.10	-1791.434883	3.10	-1791.435225	4.40	-1791.416990
4.60	-1791.416126	3.15	-1791.433757	3.15	-1791.434071	4.60	-1791.415980
4.80	-1791.415354	3.20	-1791.432617	3.20	-1791.432899	4.80	-1791.415220
5.00	-1791.414775	3.25	-1791.431486	3.25	-1791.431734	5.00	-1791.414650
5.50	-1791.413804	3.30	-1791.430385	3.30	-1791.430601	5.50	-1791.413828
6.00	-1791.413341	3.35	-1791.429325	3.35	-1791.429507	6.00	-1791.413354
7.00	-1791.412946	3.40	-1791.428284	3.40	-1791.428435	7.00	-1791.412950
8.00	-1791.412810	3.45	-1791.427235	3.45	-1791.427358	8.00	-1791.412811
10.0	-1791.412733	3.50	-1791.425801	3.50	-1791.426266	10.00	-1791.412730
		3.55	-1791.425819	3.55	-1791.425836		
		3.60	-1791.425791	3.60	-1791.425801		
		3.65	-1791.425725	3.65	-1791.425731		
		3.70	-1791.425630	3.70	-1791.425632		
		3.75	-1791.425514	3.75	-1791.425510		
		3.80	-1791.425380	3.80	-1791.425372		
		3.90	-1791.425078	3.90	-1791.425065		
		4.00	-1791.424755	4.00	-1791.424737		
		4.10	-1791.424431	4.10	-1791.424409		
		4.20	-1791.424112	4.20	-1791.424085		
		4.40	-1791.423504	4.40	-1791.423479		
		4.50	-1791.423249	4.50	-1791.423223		
		4.70	-1791.422759	4.70	-1791.422621		
		5.00	-1791.422393	5.00	-1791.422322		
		5.50	-1791.421953	5.50	-1791.421952		
		6.00	-1791.421661	6.00	-1791.421661		
		7.00	-1791.421347	7.00	-1791.421347		
		8.00	-1791.421222	8.00	-1791.421222		
		10.00	-1791.421222	10.00	-1791.421222		

$12^2\Pi$		13^2H		$14^6\Pi$		$15^6\Sigma^+$	
1.70	-1791.397902	1.70	-1791.397009	1.85	-1791.373257	2.10	-1791.425267
1.75	-1791.412385	1.75	-1791.411439	1.90	-1791.384049	2.15	-1791.429010
1.80	-1791.422686	1.80	-1791.421712	1.95	-1791.393148	2.20	-1791.431818
1.85	-1791.429805	1.85	-1791.428843	2.00	-1791.401024	2.25	-1791.434062
1.90	-1791.434511	1.90	-1791.433601	2.05	-1791.407887	2.30	-1791.435542
1.95	-1791.437394	1.95	-1791.436579	2.10	-1791.413854	2.35	-1791.436152
2.00	-1791.438913	2.00	-1791.438228	2.15	-1791.419001	2.40	-1791.436895
2.05	-1791.439420	2.05	-1791.438910	2.20	-1791.423382	2.45	-1791.437446
2.10	-1791.439029	2.10	-1791.438770	2.25	-1791.427048	2.50	-1791.437761
2.15	-1791.438320	2.15	-1791.438174	2.30	-1791.430062	2.55	-1791.437987
2.20	-1791.437349	2.20	-1791.437247	2.35	-1791.432498	2.60	-1791.438163
2.25	-1791.436207	2.25	-1791.436075	2.40	-1791.434422	2.65	-1791.438200
2.30	-1791.434357	2.30	-1791.434227	2.45	-1791.435897	2.70	-1791.438170
2.35	-1791.433397	2.35	-1791.433102	2.50	-1791.436973	2.75	-1791.437983
2.40	-1791.432965	2.40	-1791.432683	2.55	-1791.437705	2.80	-1791.437558
2.45	-1791.433581	2.45	-1791.433350	2.60	-1791.438144	2.85	-1791.437008
2.50	-1791.434043	2.50	-1791.433875	2.65	-1791.438333	2.90	-1791.436446
2.55	-1791.434020	2.55	-1791.433978	2.70	-1791.438302	2.95	-1791.435741
2.60	-1791.434563	2.60	-1791.434429	2.75	-1791.438068	3.00	-1791.434881
2.70	-1791.434738	2.70	-1791.434592	2.80	-1791.437653	3.05	-1791.433901
2.75	-1791.434514	2.75	-1791.434355	2.85	-1791.437073	3.10	-1791.432994
2.80	-1791.434115	2.80	-1791.433947	2.90	-1791.436351	3.15	-1791.431669
2.85	-1791.433560	2.85	-1791.433386	2.95	-1791.435509	3.20	-1791.430074
2.90	-1791.432872	2.90	-1791.432695	3.00	-1791.434569	3.25	-1791.425141
2.95	-1791.432067	2.95	-1791.431893	3.05	-1791.433557	3.30	-1791.425406
3.00	-1791.431166	3.00	-1791.430996	3.10	-1791.432497	3.35	-1791.425600
3.05	-1791.430175	3.05	-1791.430011	3.15	-1791.431407	3.40	-1791.425732
3.07	-1791.429738	3.07	-1791.429578	3.20	-1791.430319	3.45	-1791.425809
3.09	-1791.429218	3.09	-1791.429058	3.25	-1791.429256	3.50	-1791.425842
3.20	-1791.424078	3.20	-1791.423967	3.30	-1791.428243	3.55	-1791.425838
3.30	-1791.424497	3.30	-1791.424429	3.35	-1791.427290	3.60	-1791.425803
3.40	-1791.424687	3.40	-1791.424644	3.40	-1791.426373	3.70	-1791.425664
3.50	-1791.424724	3.50	-1791.424697	3.45	-1791.425450	3.80	-1791.425464
3.60	-1791.424757	3.60	-1791.424757	3.50	-1791.425233	4.00	-1791.424952
3.70	-1791.424651	3.70	-1791.424651	3.55	-1791.425275	4.10	-1791.424683
3.80	-1791.424460	3.80	-1791.424460	3.60	-1791.425273	4.20	-1791.424423
4.00	-1791.424116	4.00	-1791.424114	3.65	-1791.425235	4.30	-1791.424117
4.20	-1791.423844	4.20	-1791.423843	3.70	-1791.425169	4.50	-1791.423669
4.40	-1791.423530	4.40	-1791.423521	3.75	-1791.425081	4.70	-1791.423307
4.70	-1791.423127	4.70	-1791.423126	3.80	-1791.424976	4.80	-1791.423150
5.00	-1791.422785	5.00	-1791.422784	3.90	-1791.424730	5.00	-1791.422876
5.50	-1791.422355	5.50	-1791.422354	4.00	-1791.424458	5.50	-1791.422418
6.00	-1791.422064	6.00	-1791.422063	4.10	-1791.424175	6.00	-1791.422098
6.50	-1791.421873	6.50	-1791.421872	4.20	-1791.423882	6.50	-1791.421896
7.00	-1791.421751	7.00	-1791.421750	4.40	-1791.423319	7.00	-1791.421727
8.00	-1791.421623	8.00	-1791.421623	4.50	-1791.423012	8.00	-1791.421600
10.00	-1791.421545	10.00	-1791.421544	4.70	-1791.422626	10.00	-1791.421538
				5.00	-1791.422323		
				5.50	-1791.421905		
				6.00	-1791.421606		
				7.00	-1791.421285		
				8.00	-1791.421157		
				10.00	-1791.421157		

$16^8\Sigma^+$		$17^6\Phi$		18^4H		$19^6\Sigma^-$	
2.00	-1791.357952	1.85	-1791.373638	1.90	-1791.399040	2.10	-1791.419651
2.10	-1791.383794	1.90	-1791.384317	1.95	-1791.402767	2.15	-1791.417611
2.15	-1791.394136	1.95	-1791.393346	1.98	-1791.404859	2.20	-1791.417029
2.20	-1791.402586	2.00	-1791.401144	2.00	-1791.406631	2.25	-1791.421815
2.25	-1791.409798	2.05	-1791.407913	2.05	-1791.410281	2.30	-1791.425758
2.30	-1791.416088	2.10	-1791.413764	2.10	-1791.414326	2.35	-1791.428854
2.35	-1791.421237	2.15	-1791.418789	2.15	-1791.418400	2.40	-1791.431358
2.40	-1791.425486	2.20	-1791.422983	2.20	-1791.422271	2.45	-1791.433344
2.45	-1791.428926	2.25	-1791.426505	2.23	-1791.423932	2.50	-1791.434884
2.50	-1791.431733	2.30	-1791.429368	2.25	-1791.425490	2.55	-1791.435887
2.55	-1791.433941	2.35	-1791.431663	2.30	-1791.428302	2.60	-1791.436676
2.60	-1791.435598	2.40	-1791.433475	2.35	-1791.430702	2.65	-1791.437148
2.65	-1791.436770	2.45	-1791.434886	2.40	-1791.432703	2.70	-1791.437483
2.70	-1791.437306	2.50	-1791.435963	2.45	-1791.434322	2.75	-1791.437428
2.75	-1791.437689	2.55	-1791.436761	2.50	-1791.435573	2.80	-1791.437155
2.80	-1791.437751	2.60	-1791.437315	2.55	-1791.436514	2.85	-1791.436713
2.90	-1791.437086	2.65	-1791.437630	2.60	-1791.437138	2.90	-1791.436229
3.00	-1791.435610	2.70	-1791.437710	2.70	-1791.437574	2.95	-1791.435577
3.10	-1791.433598	2.75	-1791.437571	2.75	-1791.437448	3.00	-1791.434773
3.20	-1791.431363	2.80	-1791.437230	2.80	-1791.437127	3.05	-1791.433824
3.30	-1791.427690	2.85	-1791.436704	2.85	-1791.436633	3.10	-1791.432914
3.35	-1791.426899	2.90	-1791.436026	2.91	-1791.435837	3.15	-1791.431629
3.40	-1791.426124	2.95	-1791.435220	2.95	-1791.435202	3.20	-1791.430045
3.50	-1791.424640	3.00	-1791.434313	3.00	-1791.434305	3.25	-1791.424863
3.60	-1791.423263	3.05	-1791.433329	3.06	-1791.433127	3.30	-1791.425171
3.80	-1791.420875	3.10	-1791.432292	3.10	-1791.432237	3.35	-1791.425397
4.00	-1791.418962	3.15	-1791.431228	3.13	-1791.431681	3.40	-1791.425552
4.20	-1791.417478	3.20	-1791.430162	3.15	-1791.431060	3.45	-1791.425648
4.40	-1791.416351	3.25	-1791.429122	3.18	-1791.430355	3.50	-1791.425695
4.60	-1791.415526	3.30	-1791.428130	3.19	-1791.429961	3.55	-1791.425700
4.80	-1791.414901	3.35	-1791.427199	3.19	-1791.429220	3.60	-1791.425672
4.90	-1791.414646	3.40	-1791.426300	3.20	-1791.428048	3.70	-1791.425540
5.00	-1791.414423	3.45	-1791.425393	3.22	-1791.427782	3.80	-1791.425339
5.50	-1791.413653	3.50	-1791.425208	3.25	-1791.427382	4.00	-1791.424842
6.00	-1791.413239	3.55	-1791.425254	3.30	-1791.426710	4.10	-1791.424583
7.00	-1791.412869	3.60	-1791.425255	3.40	-1791.427119	4.20	-1791.424331
7.50	-1791.412789	3.65	-1791.425220	3.50	-1791.427060	4.30	-1791.424092
8.00	-1791.412740	3.70	-1791.425157	3.60	-1791.426880	4.50	-1791.423667
10.00	-1791.412670	3.75	-1791.425070	3.70	-1791.426579	4.70	-1791.423306
		3.80	-1791.424966	3.80	-1791.426215	4.80	-1791.423149
		3.90	-1791.424721	4.00	-1791.425432	5.00	-1791.422875
		4.00	-1791.424448	4.20	-1791.424697	5.50	-1791.422423
		4.10	-1791.424161	4.40	-1791.424072	6.00	-1791.422057
		4.20	-1791.423847	4.60	-1791.423562	6.50	-1791.421899
		4.40	-1791.423319	4.80	-1791.423154	7.00	-1791.421729
		4.50	-1791.423012	5.00	-1791.422828	8.00	-1791.421601
		4.70	-1791.422761	5.20	-1791.422566	10.00	-1791.421538
		5.00	-1791.422394	5.50	-1791.422264		
		5.50	-1791.421903	6.00	-1791.421925		
		6.00	-1791.421606	6.50	-1791.421717		
		7.00	-1791.421283	7.00	-1791.421588		
		8.00	-1791.421158	7.50	-1791.421507		
		10.00	-1791.421158	8.00	-1791.421455		
				10.00	-1791.421377		

$20^2\Delta$		$21^6\Gamma$		$22^8\Pi$		$23^8\Gamma$	
1.60	-1791.364078	2.10	-1791.421919	2.10	-1791.387615	2.00	-1791.346738
1.65	-1791.387751	2.15	-1791.425200	2.20	-1791.399790	2.10	-1791.365456
1.70	-1791.403865	2.20	-1791.427665	2.30	-1791.409303	2.15	-1791.378224
1.75	-1791.414394	2.25	-1791.429411	2.40	-1791.420680	2.20	-1791.389298
1.80	-1791.420967	2.30	-1791.430692	2.45	-1791.425350	2.25	-1791.398796
1.85	-1791.425911	2.35	-1791.428246	2.50	-1791.428890	2.30	-1791.407070
1.90	-1791.428972	2.40	-1791.430752	2.55	-1791.431480	2.35	-1791.413883
1.95	-1791.431745	2.45	-1791.432754	2.60	-1791.433500	2.40	-1791.419540
2.00	-1791.433301	2.50	-1791.434316	2.65	-1791.435030	2.45	-1791.424177
2.05	-1791.435177	2.55	-1791.435451	2.70	-1791.436070	2.50	-1791.427932
2.10	-1791.436415	2.60	-1791.436276	2.75	-1791.436690	2.55	-1791.430918
2.15	-1791.437082	2.65	-1791.436800	2.80	-1791.436970	2.60	-1791.433205
2.20	-1791.437443	2.70	-1791.437025	2.85	-1791.436940	2.65	-1791.434883
2.30	-1791.436736	2.75	-1791.436994	2.90	-1791.436660	2.70	-1791.435844
2.35	-1791.435316	2.80	-1791.436738	2.95	-1791.436170	2.75	-1791.436551
2.38	-1791.432978	2.85	-1791.436307	3.00	-1791.435490	2.80	-1791.436867
2.40	-1791.431223	2.90	-1791.435831	3.10	-1791.433720	2.90	-1791.436541
2.48	-1791.409296	2.95	-1791.435179	3.20	-1791.431580	3.00	-1791.435236
2.60	-1791.413685	3.00	-1791.434636	3.30	-1791.428480	3.10	-1791.433291
2.70	-1791.415662	3.05	-1791.433702	3.40	-1791.426960	3.20	-1791.431090
2.80	-1791.416297	3.10	-1791.432815	3.50	-1791.425480	3.30	-1791.427928
2.90	-1791.416269	3.15	-1791.431516	3.60	-1791.424070	3.35	-1791.427129
2.95	-1791.415292	3.20	-1791.429937	3.80	-1791.421580	3.40	-1791.426349
3.00	-1791.417452	3.25	-1791.424909	4.00	-1791.419407	3.50	-1791.424865
3.10	-1791.420559	3.30	-1791.425227	4.20	-1791.417594	3.60	-1791.423501
3.20	-1791.422588	3.35	-1791.425459	4.40	-1791.416473	3.80	-1791.421169
3.35	-1791.424001	3.40	-1791.425616	4.60	-1791.415830	4.00	-1791.419282
3.40	-1791.424090	3.45	-1791.425711	4.80	-1791.415056	4.20	-1791.417768
3.50	-1791.424390	3.50	-1791.425756	5.00	-1791.414546	4.40	-1791.416583
3.60	-1791.424680	3.55	-1791.425759	5.50	-1791.413800	4.60	-1791.415674
3.70	-1791.424554	3.60	-1791.425728	6.00	-1791.413363	4.80	-1791.414983
3.80	-1791.424336	3.70	-1791.425592	7.00	-1791.412981	4.90	-1791.414703
4.00	-1791.423781	3.80	-1791.425392	8.00	-1791.412807	5.00	-1791.414458
4.20	-1791.423207	4.00	-1791.424886	10.00	-1791.412733	5.50	-1791.413625
4.50	-1791.422470	4.10	-1791.424619			6.00	-1791.413187
5.00	-1791.421625	4.20	-1791.424361			7.00	-1791.412796
5.50	-1791.421111	4.30	-1791.424177			7.50	-1791.412714
6.00	-1791.420790	4.50	-1791.423724			8.00	-1791.412664
7.00	-1791.420460	4.70	-1791.423360			10.00	-1791.412593
8.00	-1791.420327	4.80	-1791.423201				
10.00	-1791.420327	5.00	-1791.422925				
		5.50	-1791.422371				
		6.00	-1791.422054				
		6.50	-1791.421853				
		7.00	-1791.421768				
		8.00	-1791.421639				
		10.00	-1791.421573				

$24^4\Phi$		$25^8\Sigma^-$		$26^4\Pi$		$27^4\Gamma$	
1.70	-1791.401547	2.00	-1791.372445	1.65	-1791.375317	1.75	-1791.390893
1.75	-1791.411750	2.10	-1791.389065	1.75	-1791.400099	1.80	-1791.405242
1.80	-1791.418753	2.15	-1791.396160	1.80	-1791.407090	1.85	-1791.419359
1.85	-1791.422092	2.20	-1791.401292	1.85	-1791.401452	1.90	-1791.423622
1.90	-1791.425284	2.25	-1791.405390	1.90	-1791.408347	1.95	-1791.428714
1.98	-1791.428253	2.30	-1791.408942	1.95	-1791.417242	2.00	-1791.431964
2.00	-1791.428890	2.35	-1791.414302	1.98	-1791.418976	2.05	-1791.433624
2.05	-1791.429813	2.40	-1791.419963	2.00	-1791.421634	2.10	-1791.434768
2.10	-1791.430421	2.45	-1791.424482	2.05	-1791.425861	2.15	-1791.435856
2.15	-1791.430890	2.50	-1791.428236	2.23	-1791.429299	2.20	-1791.435432
2.23	-1791.432259	2.55	-1791.431213	2.25	-1791.429890	2.25	-1791.434577
2.25	-1791.432840	2.60	-1791.433492	2.30	-1791.430825	2.30	-1791.432967
2.30	-1791.433829	2.65	-1791.435165	2.40	-1791.433062	2.35	-1791.430175
2.40	-1791.435294	2.70	-1791.436016	2.45	-1791.434494	2.40	-1791.429512
2.45	-1791.435844	2.75	-1791.436715	2.50	-1791.435609	2.45	-1791.431551
2.50	-1791.436286	2.80	-1791.436631	2.55	-1791.436228	2.50	-1791.433163
2.55	-1791.436580	2.90	-1791.436298	2.60	-1791.436520	2.55	-1791.434395
2.60	-1791.436739	3.00	-1791.434998	2.70	-1791.436502	2.60	-1791.435277
2.70	-1791.436584	3.10	-1791.433074	2.75	-1791.436224	2.65	-1791.435843
2.75	-1791.436250	3.20	-1791.430905	2.80	-1791.435780	2.70	-1791.436125
2.80	-1791.435743	3.30	-1791.427547	2.85	-1791.435170	2.75	-1791.436149
2.85	-1791.435075	3.35	-1791.426773	2.91	-1791.434260	2.80	-1791.435942
2.91	-1791.434086	3.40	-1791.426015	2.95	-1791.433560	2.85	-1791.435606
2.95	-1791.433332	3.50	-1791.424562	3.00	-1791.432590	2.90	-1791.435032
3.00	-1791.432302	3.60	-1791.423219	3.06	-1791.431350	2.95	-1791.434317
3.06	-1791.431422	3.80	-1791.420889	3.10	-1791.430408	3.00	-1791.433480
3.13	-1791.429898	4.00	-1791.418992	3.13	-1791.429838	3.05	-1791.432540
3.15	-1791.429262	4.20	-1791.417510	3.15	-1791.429153	3.10	-1791.431499
3.18	-1791.428506	4.40	-1791.416382	3.18	-1791.428396	3.15	-1791.430321
3.20	-1791.427782	4.60	-1791.415531	3.20	-1791.427741	3.25	-1791.428344
3.25	-1791.427091	4.80	-1791.414892	3.25	-1791.427056	3.30	-1791.427633
3.30	-1791.426854	4.90	-1791.414638	3.30	-1791.426824	3.35	-1791.426925
3.40	-1791.426258	5.00	-1791.414416	3.40	-1791.426270	3.40	-1791.426215
3.50	-1791.426379	5.50	-1791.413652	3.50	-1791.426387	3.50	-1791.426071
3.60	-1791.426282	6.00	-1791.413239	3.60	-1791.426288	3.55	-1791.426072
3.70	-1791.426062	7.00	-1791.412870	3.70	-1791.426066	3.60	-1791.426033
3.80	-1791.425775	7.50	-1791.412789	3.80	-1791.425778	3.70	-1791.425867
4.00	-1791.425129	8.00	-1791.412740	4.00	-1791.425130	3.80	-1791.425626
4.20	-1791.424504	10.00	-1791.412665	4.20	-1791.424503	3.90	-1791.425348
4.40	-1791.423960			4.40	-1791.423959	4.00	-1791.425056
4.60	-1791.423509			4.60	-1791.423508	4.20	-1791.424488
4.80	-1791.423142			4.80	-1791.423141	4.40	-1791.423987
5.00	-1791.422844			5.00	-1791.422843	4.60	-1791.423567
5.20	-1791.422601			5.20	-1791.422600	4.80	-1791.423221
5.50	-1791.422316			5.50	-1791.422315	5.00	-1791.422889
6.00	-1791.421990			6.00	-1791.421990	5.50	-1791.422379
6.50	-1791.421788			6.50	-1791.421787	6.00	-1791.422057
7.00	-1791.421660			7.00	-1791.421660	6.50	-1791.421898
7.50	-1791.421580			7.50	-1791.421580	7.00	-1791.421728
8.00	-1791.421529			8.00	-1791.421530	8.00	-1791.421600
10.00	-1791.421450			10.00	-1791.421450	10.00	-1791.421572
8.00	-1791.421528						
10.00	-1791.421449						

$28^8\Phi$		$29^4\Sigma^+$		$30^2\Phi$		$31^8\Delta$	
2.10	-1791.393815	1.50	-1791.230330	1.70	-1791.393805	2.00	-1791.371152
2.20	-1791.404639	1.55	-1791.282110	1.75	-1791.408212	2.10	-1791.389694
2.30	-1791.413846	1.60	-1791.320670	1.80	-1791.418546	2.15	-1791.397642
2.40	-1791.419250	1.65	-1791.346290	1.85	-1791.425750	2.20	-1791.403685
2.45	-1791.422300	1.70	-1791.381160	1.90	-1791.430566	2.25	-1791.408914
2.50	-1791.426130	1.75	-1791.397810	1.95	-1791.433577	2.30	-1791.413554
2.55	-1791.429120	1.80	-1791.410150	2.00	-1791.435234	2.35	-1791.416871
2.60	-1791.431440	1.85	-1791.419290	2.05	-1791.435889	2.40	-1791.419224
2.65	-1791.433260	1.90	-1791.424130	2.10	-1791.435672	2.45	-1791.419744
2.70	-1791.434570	1.95	-1791.428940	2.15	-1791.435041	2.50	-1791.422719
2.75	-1791.435440	2.00	-1791.432050	2.20	-1791.434090	2.55	-1791.425978
2.80	-1791.435920	2.05	-1791.433650	2.25	-1791.432901	2.60	-1791.428577
2.85	-1791.436060	2.10	-1791.434740	2.30	-1791.430733	2.65	-1791.430591
2.90	-1791.435920	2.15	-1791.435760	2.35	-1791.429642	2.70	-1791.432429
2.95	-1791.435540	2.20	-1791.435120	2.40	-1791.430046	2.75	-1791.433485
3.00	-1791.434950	2.25	-1791.434250	2.45	-1791.431673	2.80	-1791.434148
3.10	-1791.433290	2.30	-1791.432670	2.50	-1791.432917	2.90	-1791.434503
3.20	-1791.431220	2.35	-1791.429870	2.55	-1791.433748	3.00	-1791.433818
3.30	-1791.428150	2.40	-1791.431650	2.60	-1791.434358	3.10	-1791.432395
3.40	-1791.426650	2.45	-1791.432450	2.70	-1791.433998	3.20	-1791.430632
3.50	-1791.425190	2.50	-1791.433340	2.75	-1791.433500	3.30	-1791.428176
3.60	-1791.423800	2.55	-1791.434440	2.80	-1791.432858	3.35	-1791.427444
3.80	-1791.421330	2.60	-1791.435110	2.85	-1791.432097	3.40	-1791.426708
4.00	-1791.419480	2.65	-1791.435680	2.90	-1791.431231	3.50	-1791.425249
4.20	-1791.417900	2.70	-1791.435980	2.95	-1791.430284	3.60	-1791.423846
4.40	-1791.416700	2.75	-1791.436020	3.00	-1791.429270	3.80	-1791.421318
4.60	-1791.415790	2.80	-1791.435840	3.05	-1791.428201	4.00	-1791.419240
4.80	-1791.415100	2.85	-1791.435460	3.07	-1791.427746	4.20	-1791.417607
5.00	-1791.414570	2.90	-1791.434900	3.09	-1791.427219	4.40	-1791.416362
5.50	-1791.413730	2.95	-1791.434200	3.20	-1791.423037	4.60	-1791.415520
6.00	-1791.413288	3.00	-1791.433370	3.30	-1791.423560	4.80	-1791.414890
7.00	-1791.412906	3.05	-1791.432440	3.40	-1791.423857	4.90	-1791.414640
8.00	-1791.412778	3.10	-1791.431410	3.50	-1791.424013	5.00	-1791.414410
10.00	-1791.412705	3.15	-1791.430240	3.60	-1791.424027	5.50	-1791.413652
		3.25	-1791.428344	3.70	-1791.424053	6.00	-1791.413239
		3.30	-1791.427633	3.80	-1791.423987	7.00	-1791.412869
		3.35	-1791.426925	4.00	-1791.423777	7.50	-1791.412789
		3.40	-1791.426215	4.20	-1791.423591	8.00	-1791.412740
		3.50	-1791.425990	4.40	-1791.423346	10.00	-1791.412671
		3.55	-1791.425990	4.70	-1791.423008		
		3.60	-1791.425950	5.00	-1791.422703		
		3.70	-1791.425790	5.50	-1791.422300		
		3.80	-1791.425550	6.00	-1791.422018		
		3.90	-1791.425280	6.50	-1791.421831		
		4.00	-1791.424990	7.00	-1791.421710		
		4.20	-1791.424430	8.00	-1791.421584		
		4.40	-1791.423930	10.00	-1791.421507		
		4.60	-1791.423510				
		4.80	-1791.423170				
		5.00	-1791.422940				
		5.50	-1791.422430				
		6.00	-1791.422100				
		6.50	-1791.421900				
		7.00	-1791.421770				
		8.00	-1791.421640				
		10.00	-1791.421570				

32⁶Δ		33²Π		34⁴Π		35⁴H	
2.10	-1791.403761	1.70	-1791.382326	1.65	-1791.356350	2.20	-1791.415590
2.15	-1791.410793	1.75	-1791.396223	1.70	-1791.374030	2.23	-1791.417917
2.20	-1791.416551	1.80	-1791.406480	1.75	-1791.386430	2.25	-1791.419770
2.25	-1791.421335	1.85	-1791.413786	1.80	-1791.395150	2.30	-1791.422947
2.30	-1791.425168	1.90	-1791.418785	1.85	-1791.398110	2.40	-1791.427600
2.35	-1791.426665	1.95	-1791.422018	1.90	-1791.406545	2.45	-1791.429200
2.40	-1791.428777	2.00	-1791.423966	1.95	-1791.415529	2.50	-1791.430400
2.45	-1791.430272	2.05	-1791.425241	1.98	-1791.414384	2.55	-1791.431220
2.50	-1791.431316	2.10	-1791.426296	2.00	-1791.416759	2.60	-1791.431710
2.55	-1791.432226	2.15	-1791.427581	2.05	-1791.420935	2.70	-1791.431770
2.60	-1791.433167	2.20	-1791.428325	2.10	-1791.424212	2.75	-1791.431440
2.65	-1791.433807	2.25	-1791.428449	2.15	-1791.426650	2.80	-1791.430910
2.70	-1791.434207	2.30	-1791.427400	2.20	-1791.428708	2.85	-1791.430210
2.75	-1791.434333	2.35	-1791.426929	2.40	-1791.431020	2.91	-1791.429200
2.80	-1791.434220	2.40	-1791.429771	2.45	-1791.431420	2.95	-1791.428450
2.85	-1791.433903	2.45	-1791.431472	2.50	-1791.431640	3.00	-1791.427460
2.90	-1791.433454	2.50	-1791.432759	2.55	-1791.431770	3.06	-1791.426320
2.95	-1791.432837	2.55	-1791.433425	2.60	-1791.431810	3.10	-1791.425460
3.00	-1791.432070	2.60	-1791.434064	2.70	-1791.431473	3.13	-1791.425040
3.05	-1791.431172	2.70	-1791.433784	2.75	-1791.431057	3.15	-1791.424560
3.10	-1791.430838	2.75	-1791.433302	2.80	-1791.430488		
3.15	-1791.428620	2.80	-1791.432670	2.85	-1791.429783		
3.20	-1791.427549	2.85	-1791.431915	2.91	-1791.428795		
3.25	-1791.424438	2.90	-1791.431059	2.95	-1791.428077		
3.30	-1791.424944	2.95	-1791.430122	3.00	-1791.427141		
3.35	-1791.425319	3.00	-1791.429116	3.06	-1791.426048		
3.40	-1791.425585	3.05	-1791.428058	3.10	-1791.425252		
3.45	-1791.425762	3.07	-1791.427609	3.13	-1791.424847		
3.50	-1791.425866	3.09	-1791.427086	3.15	-1791.424405		
3.55	-1791.425912	3.20	-1791.422983	3.18	-1791.423970		
3.60	-1791.425910	3.30	-1791.423530	3.20	-1791.423929		
3.70	-1791.425799	3.40	-1791.423841	3.25	-1791.423646		
3.80	-1791.425595	3.50	-1791.424004	3.30	-1791.424404		
4.00	-1791.425054	3.60	-1791.424027	3.40	-1791.425106		
4.10	-1791.424766	3.70	-1791.424053	3.50	-1791.425403		
4.20	-1791.424486	3.80	-1791.423987	3.60	-1791.425467		
4.30	-1791.424221	4.00	-1791.423777	3.70	-1791.425388		
4.50	-1791.423745	4.20	-1791.423586	3.80	-1791.425220		
4.70	-1791.423352	4.40	-1791.423329	4.00	-1791.424753		
4.80	-1791.423183	4.70	-1791.423007	4.20	-1791.424248		
5.00	-1791.422893	5.00	-1791.422703	4.40	-1791.423785		
5.50	-1791.422371	5.50	-1791.422300	4.60	-1791.423389		
6.00	-1791.422051	6.00	-1791.422017	4.80	-1791.423059		
6.50	-1791.421852	6.50	-1791.421830	5.00	-1791.422787		
7.00	-1791.421728	7.00	-1791.421710	5.20	-1791.422561		
8.00	-1791.421605	8.00	-1791.421583	5.50	-1791.422293		
10.00	-1791.421535	10.00	-1791.421507	6.00	-1791.421981		
				6.50	-1791.421784		
				7.00	-1791.421659		
				7.50	-1791.421581		
				8.00	-1791.421530		

36^4H		$37^4\Gamma$		$38^6\Delta$		$39^2\Sigma^-$	
2.20	-1791.415590	2.35	-1791.425856	2.10	-1791.402614	1.60	-1791.405255
2.23	-1791.417917	2.40	-1791.425680	2.15	-1791.409666	1.65	-1791.424578
2.25	-1791.419770	2.45	-1791.427681	2.20	-1791.415469	1.70	-1791.437229
2.30	-1791.422947	2.50	-1791.429236	2.25	-1791.420236	1.75	-1791.445065
2.40	-1791.427600	2.55	-1791.430386	2.30	-1791.423903	1.80	-1791.449535
2.45	-1791.429200	2.60	-1791.431185	2.35	-1791.423190	1.85	-1791.451027
2.50	-1791.430400	2.65	-1791.431655	2.40	-1791.426044	1.90	-1791.451581
2.55	-1791.431220	2.70	-1791.431828	2.45	-1791.428409	1.95	-1791.451161
2.60	-1791.431710	2.75	-1791.431730	2.50	-1791.430175	2.00	-1791.450743
2.70	-1791.431770	2.80	-1791.431396	2.55	-1791.430600	2.05	-1791.449693
2.75	-1791.431440	2.85	-1791.430860	2.60	-1791.431170	2.10	-1791.447846
2.80	-1791.430910	2.90	-1791.430164	2.65	-1791.431393	2.15	-1791.445822
2.85	-1791.430210	2.95	-1791.429348	2.70	-1791.431701	2.20	-1791.443681
2.91	-1791.429200	3.00	-1791.428449	2.75	-1791.431746	2.30	-1791.439419
2.95	-1791.428450	3.05	-1791.427506	2.80	-1791.431562	2.35	-1791.436934
3.00	-1791.427460	3.10	-1791.426563	2.85	-1791.431198	2.40	-1791.425411
3.06	-1791.426320	3.15	-1791.425673	2.90	-1791.430774	2.50	-1791.429235
3.10	-1791.425460	3.20	-1791.424846	2.95	-1791.430206	2.60	-1791.431158
3.13	-1791.425040	3.25	-1791.423878	3.00	-1791.429479	2.70	-1791.431559
3.15	-1791.424560	3.30	-1791.424481	3.05	-1791.428613	2.80	-1791.430736
		3.35	-1791.424930	3.10	-1791.427501	2.90	-1791.428860
		3.40	-1791.425251	3.25	-1791.423331	2.95	-1791.425544
		3.50	-1791.425606	3.30	-1791.423930	3.00	-1791.420151
		3.55	-1791.425678	3.35	-1791.424397	3.10	-1791.421990
		3.60	-1791.425699	3.40	-1791.424751	3.20	-1791.423658
		3.70	-1791.425628	3.45	-1791.425011	3.30	-1791.424748
		3.80	-1791.425455	3.50	-1791.425194	3.40	-1791.425332
		3.90	-1791.425224	3.55	-1791.425312	3.50	-1791.425386
		4.00	-1791.424963	3.60	-1791.425376	3.60	-1791.425404
		4.20	-1791.424428	3.70	-1791.425379	3.70	-1791.425197
		4.40	-1791.423941	3.80	-1791.425263	3.80	-1791.424846
		4.60	-1791.423526	4.00	-1791.424853	4.00	-1791.424289
		4.80	-1791.423184	4.10	-1791.424614	4.30	-1791.423052
		5.00	-1791.422903	4.20	-1791.424372	4.50	-1791.422569
		5.50	-1791.422398	4.30	-1791.424138	5.00	-1791.421712
		6.00	-1791.422081	4.50	-1791.423700	5.50	-1791.421189
		6.50	-1791.421881	4.70	-1791.423340	6.00	-1791.420862
		7.00	-1791.421755	4.80	-1791.423190	7.00	-1791.420529
		8.00	-1791.421627	5.00	-1791.422910	8.00	-1791.420398
		10.00	-1791.421550	5.50	-1791.422386	10.00	-1791.420334
				6.00	-1791.422073		
				6.50	-1791.421874		
				7.00	-1791.421750		
				8.00	-1791.421619		
				10.00	-1791.421542		

$40^4\Pi$		$41^8\Pi$		$42^8\Sigma^+$		$43^8\Gamma$	
1.65	-1791.345620	2.10	-1791.383643	2.00	-1791.351601	2.00	-1791.335805
1.70	-1791.364400	2.20	-1791.395572	2.10	-1791.360925	2.10	-1791.360011
1.75	-1791.377750	2.30	-1791.408091	2.15	-1791.358755	2.15	-1791.361839
1.80	-1791.387260	2.40	-1791.412516	2.20	-1791.370079	2.20	-1791.368890
1.85	-1791.395150	2.45	-1791.414678	2.25	-1791.380432	2.25	-1791.374810
1.90	-1791.399080	2.50	-1791.417983	2.30	-1791.389553	2.30	-1791.380290
1.95	-1791.411270	2.55	-1791.420800	2.35	-1791.397102	2.35	-1791.388680
1.98	-1791.404740	2.60	-1791.423250	2.40	-1791.403520	2.40	-1791.395940
2.00	-1791.406500	2.65	-1791.425300	2.45	-1791.408820	2.45	-1791.397640
2.05	-1791.410180	2.70	-1791.426860	2.50	-1791.413250	2.50	-1791.403240
2.10	-1791.414250	2.75	-1791.428020	2.55	-1791.416790	2.55	-1791.408080
2.15	-1791.418310	2.80	-1791.428840	2.60	-1791.419620	2.60	-1791.412210
2.20	-1791.421983	2.85	-1791.429370	2.65	-1791.421860	2.65	-1791.415700
2.23	-1791.418014	2.90	-1791.429650	2.70	-1791.423710	2.70	-1791.418878
2.25	-1791.419720	2.95	-1791.429700	2.75	-1791.425070	2.75	-1791.421250
2.30	-1791.422670	3.00	-1791.429550	2.80	-1791.426070	2.80	-1791.423158
2.35	-1791.425010	3.10	-1791.428800	2.90	-1791.427240	2.90	-1791.425784
2.40	-1791.426830	3.20	-1791.427630	3.00	-1791.427530	3.00	-1791.427073
2.45	-1791.428180	3.30	-1791.426110	3.10	-1791.427118	3.10	-1791.427310
2.50	-1791.429130	3.40	-1791.425080	3.20	-1791.426351	3.20	-1791.426860
2.55	-1791.429710	3.50	-1791.423990	3.30	-1791.424999	3.30	-1791.425670
2.60	-1791.429980	3.60	-1791.422900	3.35	-1791.424595	3.35	-1791.425290
2.70	-1791.429850	3.80	-1791.420834	3.40	-1791.424159	3.40	-1791.424860
2.75	-1791.429500	4.00	-1791.419055	3.50	-1791.423229	3.50	-1791.423880
2.80	-1791.428980	4.20	-1791.417445	3.60	-1791.422263	3.60	-1791.422830
2.85	-1791.428320	4.40	-1791.416399	3.80	-1791.420389	3.80	-1791.420690
2.91	-1791.427370	4.60	-1791.415644	4.00	-1791.418746	4.00	-1791.418830
2.95	-1791.426670	4.80	-1791.415001	4.20	-1791.417401	4.20	-1791.417371
3.00	-1791.425750	5.00	-1791.414511	4.40	-1791.416342	4.40	-1791.416261
3.06	-1791.424740	5.50	-1791.413723	4.60	-1791.415502	4.60	-1791.415426
3.10	-1791.423950	6.00	-1791.413300	4.80	-1791.414862	4.80	-1791.414798
3.13	-1791.423630	7.00	-1791.412927	4.90	-1791.414603	4.90	-1791.414544
3.15	-1791.423263	8.00	-1791.412796	5.00	-1791.414377	5.00	-1791.414322
3.18	-1791.422930	10.00	-1791.412726	5.50	-1791.413599	5.50	-1791.413561
				6.00	-1791.413176	6.00	-1791.413151
				7.00	-1791.412808	7.00	-1791.412786
				7.50	-1791.412725	7.50	-1791.412705
				8.00	-1791.412673	8.00	-1791.412654
				10.00	-1791.412595	10.00	-1791.412578

44⁸Δ

2.00	-1791.359001
2.10	-1791.378628
2.15	-1791.386686
2.20	-1791.391254
2.25	-1791.394280
2.30	-1791.401070
2.35	-1791.407820
2.40	-1791.413540
2.45	-1791.418790
2.50	-1791.420660
2.55	-1791.421210
2.60	-1791.421350
2.65	-1791.421170
2.70	-1791.421690
2.75	-1791.423350
2.80	-1791.424600
2.90	-1791.426080
3.00	-1791.426496
3.10	-1791.426203
3.20	-1791.425626
3.30	-1791.424516
3.35	-1791.424212
3.40	-1791.423858
3.50	-1791.423044
3.60	-1791.422152
3.80	-1791.420351
4.00	-1791.418734
4.20	-1791.417390
4.40	-1791.416330
4.60	-1791.415470
4.80	-1791.414870
4.90	-1791.414620
5.00	-1791.414410
5.50	-1791.413620
6.00	-1791.413180
7.00	-1791.412800
7.50	-1791.412710
8.00	-1791.412670
10.00	-1791.412593