

EPHEMERIDES

6 28.0

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
61818	2000 QW ₁₉₀		6 28.0 316°67	2°6/27.5	18		370312	2002 RL ₇₅		6 28.0 323°80	1°0/28.1	17	
5 21	18 53.36	-25 8.8	1.187	2.055	19.2	18.7	5 21	18 50.67	-21 42.2	1.187	2.056	19.1	20.7
5 31	18 51.28	-25 56.1	1.102	2.035	15.3	18.4	5 31	18 48.97	-21 32.0	1.098	2.032	15.2	20.4
6 10	18 45.59	-26 50.0	1.036	2.016	10.5	18.1	6 10	18 43.90	-21 25.4	1.027	2.009	10.4	20.0
6 20	18 36.78	-27 45.7	0.989	1.997	5.2	17.7	6 20	18 35.96	-21 21.6	0.977	1.986	4.9	19.7
6 30	18 26.04	-28 36.7	0.966	1.980	3.0	17.5	6 30	18 26.31	-21 19.4	0.948	1.964	1.6	19.4
7 10	18 15.17	-29 17.5	0.964	1.962	8.1	17.8	7 10	18 16.60	-21 18.0	0.942	1.944	7.4	19.6
7 20	18 6.02	-29 45.6	0.985	1.946	13.6	18.0	7 20	18 8.49	-21 17.2	0.957	1.924	13.2	19.9
7 30	18 0.13	-30 1.9	1.024	1.931	18.7	18.2	7 30	18 3.39	-21 17.9	0.991	1.906	18.4	20.1
469046	2015 AB ₂₆₀		6 28.0 239°00	7°8/29.6	18		268283	2005 QF ₂₉		6 28.0 246°05	0°4/27.9	18	
5 21	18 57.67	-0 37.7	2.133	2.895	15.4	21.7	5 21	18 58.07	-24 42.3	1.821	2.653	15.1	21.3
5 31	18 52.60	-0 18.8	2.028	2.876	13.2	21.5	5 31	18 53.37	-24 37.9	1.730	2.642	11.9	21.0
6 10	18 45.33	-0 16.0	1.943	2.856	10.8	21.3	6 10	18 46.04	-24 33.4	1.659	2.632	8.0	20.8
6 20	18 36.29	-0 32.2	1.882	2.836	8.7	21.1	6 20	18 36.65	-24 27.0	1.613	2.621	3.7	20.5
6 30	18 26.21	-1 9.1	1.847	2.814	7.8	21.0	6 30	18 26.19	-24 17.2	1.593	2.609	1.0	20.3
7 10	18 16.03	-2 5.8	1.838	2.792	8.9	21.1	7 10	18 15.86	-24 3.5	1.600	2.598	5.6	20.5
7 20	18 6.70	-3 19.3	1.855	2.768	11.3	21.1	7 20	18 6.83	-23 46.9	1.633	2.586	9.9	20.8
7 30	17 59.08	-4 45.4	1.896	2.744	14.1	21.3	7 30	18 0.06	-23 29.0	1.689	2.574	13.7	21.0
214932	2007 VX ₁₆₃		6 28.0 229°28	2°2/27.7	17		253681	2003 UO ₂₂₆		6 28.0 240°72	3°6/27.5	18	
5 21	18 59.38	-26 51.8	1.621	2.458	16.4	21.3	5 21	19 1.20	-30 33.8	1.846	2.671	15.2	21.0
5 31	18 54.82	-27 22.0	1.537	2.452	12.9	21.0	5 31	18 56.12	-31 10.2	1.750	2.657	12.1	20.8
6 10	18 47.24	-27 53.1	1.474	2.446	8.8	20.8	6 10	18 48.10	-31 45.2	1.676	2.642	8.5	20.5
6 20	18 37.25	-28 21.2	1.434	2.440	4.4	20.5	6 20	18 37.69	-32 13.9	1.626	2.626	5.0	20.3
6 30	18 25.98	-28 42.1	1.419	2.433	2.5	20.4	6 30	18 25.92	-32 31.8	1.602	2.610	3.7	20.2
7 10	18 14.85	-28 53.6	1.431	2.426	6.5	20.6	7 10	18 14.15	-32 36.5	1.605	2.593	6.8	20.3
7 20	18 5.22	-28 55.5	1.467	2.418	10.9	20.8	7 20	18 3.74	-32 28.4	1.633	2.575	10.7	20.5
7 30	17 58.22	-28 50.1	1.526	2.410	14.9	21.1	7 30	17 55.81	-32 10.3	1.685	2.557	14.4	20.7
207696	2007 RO ₅₅		6 28.0 253°22	2°6/28.2	18		313965	2004 RQ ₃₄₃		6 28.0 253°98	5°5/27.7	18	R
5 21	18 54.16	-17 0.7	2.012	2.836	14.1	20.4	5 21	18 52.84	-8 17.8	2.610	3.399	12.2	20.5
5 31	18 49.88	-16 38.4	1.925	2.831	11.2	20.2	5 31	18 48.30	-7 12.7	2.516	3.389	10.1	20.3
6 10	18 43.43	-16 20.8	1.860	2.826	7.8	20.0	6 10	18 42.11	-6 13.7	2.444	3.379	7.9	20.1
6 20	18 35.36	-16 8.2	1.820	2.822	4.3	19.7	6 20	18 34.71	-5 23.2	2.397	3.368	6.0	20.0
6 30	18 26.48	-16 0.7	1.806	2.817	2.7	19.6	6 30	18 26.70	-4 43.6	2.379	3.358	5.5	20.0
7 10	18 17.75	-15 58.3	1.819	2.812	5.5	19.8	7 10	18 18.78	-4 16.1	2.387	3.347	6.8	20.0
7 20	18 10.10	-16 0.8	1.858	2.807	9.1	20.0	7 20	18 11.62	-4 1.0	2.422	3.336	9.0	20.1
7 30	18 4.30	-16 7.7	1.921	2.802	12.5	20.2	7 30	18 5.82	-3 57.7	2.481	3.325	11.3	20.3
510351	2011 SH ₁₆₇		6 28.0 270°91	1°0/28.1	18		395560	2011 UU ₂₁₀		6 28.0 143°37	3°0/28.2	17	
5 21	18 54.18	-21 5.7	2.105	2.931	13.5	21.4	5 21	18 53.46	-15 16.7	2.372	3.185	12.6	21.6
5 31	18 49.88	-20 53.2	2.013	2.923	10.6	21.2	5 31	18 48.90	-14 47.3	2.291	3.189	10.0	21.5
6 10	18 43.43	-20 42.8	1.944	2.915	7.2	21.0	6 10	18 42.54	-14 22.7	2.232	3.193	7.1	21.3
6 20	18 35.37	-20 33.7	1.900	2.907	3.4	20.7	6 20	18 34.90	-14 3.4	2.199	3.196	4.2	21.1
6 30	18 26.48	-20 25.5	1.883	2.899	1.3	20.6	6 30	18 26.66	-13 50.0	2.193	3.200	3.0	21.0
7 10	18 17.73	-20 18.0	1.894	2.890	4.9	20.8	7 10	18 18.62	-13 42.7	2.215	3.203	5.1	21.2
7 20	18 10.02	-20 11.4	1.930	2.882	8.7	21.0	7 20	18 11.51	-13 41.3	2.264	3.206	8.1	21.4
7 30	18 4.13	-20 6.3	1.991	2.874	12.0	21.2	7 30	18 5.95	-13 45.2	2.338	3.209	10.9	21.6
28090	1998 RW ₃₂		6 28.0 257°31	0°2/28.0	17		262943	2007 DA ₃₃		6 28.0 309°11	3°0/27.6	18	
5 21	18 58.75	-22 20.8	1.474	2.316	17.5	20.1	5 21	18 54.31	-31 7.0	2.260	3.085	12.7	20.4
5 31	18 54.60	-22 25.5	1.384	2.303	13.8	19.8	5 31	18 50.05	-31 30.9	2.172	3.078	10.1	20.2
6 10	18 47.27	-22 33.9	1.314	2.289	9.4	19.5	6 10	18 43.59	-31 52.0	2.106	3.071	7.1	20.0
6 20	18 37.36	-22 43.8	1.266	2.274	4.3	19.2	6 20	18 35.47	-32 7.1	2.064	3.065	4.1	19.8
6 30	18 25.97	-22 52.9	1.244	2.260	1.1	18.9	6 30	18 26.50	-32 13.8	2.050	3.058	3.1	19.7
7 10	18 14.62	-22 59.4	1.246	2.245	6.5	19.2	7 10	18 17.68	-32 11.0	2.063	3.051	5.5	19.8
7 20	18 4.77	-23 3.2	1.273	2.230	11.7	19.5	7 20	18 9.94	-31 59.3	2.102	3.045	8.6	20.0
7 30	17 57.65	-23 5.3	1.321	2.214	16.2	19.7	7 30	18 4.07	-31 40.5	2.165	3.039	11.6	20.2
206690	2003 YL ₁₅₆		6 28.0 283°78	2°3/27.9	18		34439	2000 SG ₄₅		6 28.0 231°92	1°0/27.8	18	
5 21	18 56.57	-29 7.9	1.912	2.744	14.5	20.3	5 21	18 54.40	-23 57.3	2.246	3.071	12.8	17.9
5 31	18 52.12	-29 18.2	1.826	2.738	11.4	20.1	5 31	18 50.02	-24 35.0	2.160	3.069	10.0	17.8
6 10	18 45.13	-29 25.8	1.762	2.732	7.8	19.9	6 10	18 43.53	-25 15.5	2.097	3.068	6.7	17.5
6 20	18 36.19	-29 27.9	1.722	2.726	4.1	19.6	6 20	18 35.44	-25 56.1	2.059	3.066	3.1	17.3
6 30	18 26.30	-29 22.2	1.708	2.720	2.5	19.5	6 30	18 26.52	-26 34.1	2.050	3.064	1.4	17.2
7 10	18 16.61	-29 8.0	1.721	2.714	5.7	19.7	7 10	18 17.69	-27 7.2	2.068	3.063	4.8	17.4
7 20	18 8.23	-28 46.5	1.759	2.709	9.5	19.9	7 20	18 9.84	-27 34.2	2.113	3.061	8.2	17.6
7 30	18 2.04	-28 20.1	1.821	2.703	13.0	20.1	7 30	18 3.75	-27 55.4	2.182	3.059	11.4	17.8
197382	2003 YZ ₂		6 28.0 203°69	1°3/28.3	18		115331	Shrylmiles		6 28.0 131°28	5°8/26.9	18	
5 21	18 55.43	-17 10.1	2.966	3.765	10.7	20.8	5 21	19 1.38	-38 39.4	2.326	3.128	13.1	20.5
5 31	18 50.20	-17 26.7	2.865	3.759	8.4	20.6	5 31	18 55.63	-39 41.7	2.257	3.140	10.7	20.3
6 10	18 43.34	-17 48.1	2.789	3.751	5.7	20.5	6 10	18 47.36	-40 37.3	2.210	3.151	8.3	20.2
6 20	18 35.26	-18 13.3	2.740	3.743	2.9	20.3	6 20	18 37.19	-41 20.9	2.188	3.162	6.3	20.1
6 30	18 26.54	-18 41.1	2.721	3.735	1.4	20.1	6 30	18 26.09	-41 48.1	2.193	3.172	5.9	20.1
7 10	18 17.85	-19 10.2	2.731	3.725	3.9	20.3	7 10	18 15.26	-41 57.4	2.225	3.182	7.4	20.2
7 20	18 9.84	-19 39.6	2.771	3.715	6.7	20.5	7 20	18 5.75	-41 50.0	2.282	3.192	9.6	20.3
7 30	18 3.12	-20 8.6	2.837	3.704	9.4	20.6	7 30	17 58.46	-41 29.1	2.363	3.201	12.0	20.5
436570	2011 HP ₅₄		6 28.0 277°98	2°5/27.1	18		385576	2004 VZ ₃₅		6 28.0 256°64	0°6/28.1	18	
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EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
9989	1997 SG ₁₆		6 28.0 146°46'	1°0'/28.1	18		243668	1999 VF ₈₅		6 28.0 235°88'	3°1'/28.3	18	
5 21	18 54.28	-20 19.0	2.050	2.878	13.8	17.8	5 21	18 52.15	-14 20.3	2.534	3.343	12.0	21.2
5 31	18 49.96	-20 17.4	1.968	2.878	10.8	17.6	5 31	18 47.87	-13 53.6	2.443	3.338	9.6	21.0
6 10	18 43.49	-20 19.2	1.908	2.879	7.3	17.4	6 10	18 41.89	-13 31.8	2.374	3.333	6.8	20.8
6 20	18 35.41	-20 23.4	1.873	2.879	3.5	17.2	6 20	18 34.67	-13 15.8	2.332	3.327	4.2	20.6
6 30	18 26.55	-20 29.2	1.864	2.880	1.3	17.0	6 30	18 26.82	-13 5.9	2.316	3.321	3.1	20.5
7 10	18 17.89	-20 35.6	1.883	2.880	4.9	17.3	7 10	18 19.10	-13 2.2	2.329	3.316	5.1	20.7
7 20	18 10.32	-20 42.4	1.928	2.881	8.6	17.5	7 20	18 12.18	-13 4.6	2.369	3.310	7.9	20.8
7 30	18 4.60	-20 49.4	1.997	2.881	12.0	17.7	7 30	18 6.68	-13 12.5	2.433	3.304	10.6	21.0
179809	2002 TZ ₇₂		6 28.0 51°24'	0°7'/27.9	18		338637	2003 SY ₂₉₅		6 28.0 337°72'	0°5'/28.0	17	
5 21	18 57.76	-25 6.0	1.539	2.382	16.8	19.7	5 21	18 55.27	-25 38.5	1.641	2.484	15.9	20.2
5 31	18 53.43	-25 3.2	1.465	2.383	13.2	19.5	5 31	18 51.40	-25 24.9	1.560	2.479	12.5	20.0
6 10	18 46.18	-25 0.4	1.411	2.385	8.9	19.2	6 10	18 44.80	-25 9.8	1.499	2.474	8.4	19.7
6 20	18 36.73	-24 55.4	1.380	2.388	4.1	19.0	6 20	18 36.13	-24 51.8	1.461	2.469	3.9	19.4
6 30	18 26.23	-24 46.4	1.374	2.390	1.2	18.8	6 30	18 26.45	-24 29.8	1.449	2.465	1.1	19.2
7 10	18 16.08	-24 33.1	1.394	2.392	6.0	19.1	7 10	18 17.04	-24 4.2	1.462	2.461	5.8	19.5
7 20	18 7.54	-24 16.5	1.438	2.394	10.6	19.4	7 20	18 9.08	-23 36.5	1.501	2.458	10.2	19.8
7 30	18 1.59	-23 58.8	1.504	2.397	14.7	19.6	7 30	18 3.49	-23 8.9	1.561	2.455	14.1	20.0
70498	1999 TN ₉₁		6 28.0 177°80'	3°1'/28.5	18		142988	2002 VD ₉₀		6 28.0 229°32'	1°1'/28.2	18	
5 21	18 57.38	-14 58.3	1.787	2.609	15.8	19.8	5 21	18 54.25	-19 54.4	2.171	2.994	13.3	20.5
5 31	18 52.64	-14 51.7	1.707	2.610	12.5	19.6	5 31	18 49.88	-19 54.6	2.083	2.990	10.4	20.3
6 10	18 45.43	-14 53.3	1.647	2.611	8.8	19.4	6 10	18 43.43	-19 58.3	2.017	2.986	7.0	20.1
6 20	18 36.35	-15 3.0	1.611	2.612	5.0	19.1	6 20	18 35.43	-20 4.8	1.976	2.982	3.4	19.9
6 30	18 26.33	-15 20.2	1.602	2.612	3.2	19.0	6 30	18 26.63	-20 13.0	1.962	2.978	1.3	19.7
7 10	18 16.50	-15 43.4	1.619	2.612	6.1	19.2	7 10	18 17.97	-20 22.1	1.977	2.973	4.8	20.0
7 20	18 7.91	-16 11.2	1.662	2.611	10.0	19.4	7 20	18 10.31	-20 31.5	2.017	2.969	8.4	20.2
7 30	18 1.45	-16 42.0	1.728	2.610	13.6	19.7	7 30	18 4.40	-20 41.2	2.082	2.964	11.6	20.4
395071	2009 GE ₆		6 28.0 102°97'	2°1'/27.6	17		230264	2001 WD ₆₅		6 28.0 205°22'	4°3'/27.1	17	
5 21	18 56.32	-27 27.2	2.266	3.088	12.8	21.6	5 21	19 0.28	-32 4.0	2.009	2.829	14.3	21.4
5 31	18 51.40	-28 5.1	2.194	3.100	10.0	21.4	5 31	18 55.16	-33 2.0	1.923	2.826	11.4	21.2
6 10	18 44.38	-28 42.9	2.144	3.113	6.8	21.2	6 10	18 47.31	-33 58.3	1.860	2.822	8.2	21.0
6 20	18 35.80	-29 17.2	2.121	3.125	3.5	21.0	6 20	18 37.32	-34 47.7	1.822	2.817	5.2	20.8
6 30	18 26.50	-29 45.4	2.125	3.137	2.3	21.0	6 30	18 26.15	-35 25.2	1.811	2.812	4.5	20.7
7 10	18 17.43	-30 5.8	2.158	3.149	5.0	21.2	7 10	18 15.06	-35 48.0	1.827	2.807	6.8	20.9
7 20	18 9.47	-30 18.1	2.217	3.160	8.2	21.4	7 20	18 5.26	-35 55.9	1.869	2.801	10.1	21.0
7 30	18 3.36	-30 23.5	2.301	3.172	11.1	21.6	7 30	17 57.76	-35 51.6	1.934	2.795	13.3	21.2
232537	2003 SO ₇₅		6 28.0 275°82'	3°0'/28.3	17		213517	2002 GK ₁₄₂		6 28.0 124°53'	1°9'/28.3	17	
5 21	18 53.95	-15 38.2	1.913	2.738	14.7	20.1	5 21	18 58.64	-18 24.1	1.595	2.427	16.8	20.5
5 31	18 49.95	-15 21.7	1.820	2.726	11.7	19.9	5 31	18 53.85	-18 21.6	1.524	2.436	13.2	20.3
6 10	18 43.66	-15 11.6	1.748	2.714	8.3	19.7	6 10	18 46.34	-18 25.2	1.474	2.444	9.0	20.1
6 20	18 35.58	-15 8.4	1.700	2.701	4.7	19.4	6 20	18 36.80	-18 34.0	1.447	2.453	4.5	19.8
6 30	18 26.54	-15 12.1	1.679	2.689	3.1	19.3	6 30	18 26.31	-18 46.8	1.446	2.460	2.1	19.7
7 10	18 17.57	-15 22.0	1.683	2.676	5.9	19.4	7 10	18 16.16	-19 1.9	1.471	2.468	6.0	20.0
7 20	18 9.66	-15 37.6	1.714	2.663	9.7	19.6	7 20	18 7.50	-19 18.6	1.521	2.475	10.4	20.2
7 30	18 3.65	-15 57.6	1.767	2.651	13.3	19.8	7 30	18 1.26	-19 36.2	1.594	2.482	14.2	20.5
455655	2005 AO ₆₀		6 28.0 78°83'	7°3'/1.0	16		247003	1999 VJ ₇₉		6 28.0 318°45'	4°7'/26.9	18	
5 21	19 0.58	-1 14.2	1.486	2.275	19.9	20.9	5 21	18 55.11	-33 47.3	2.081	2.908	13.6	20.0
5 31	18 55.24	-1 49.8	1.427	2.298	16.5	20.8	5 31	18 51.11	-34 43.4	1.994	2.898	11.0	19.8
6 10	18 47.18	-2 50.6	1.387	2.320	12.8	20.6	6 10	18 44.59	-35 36.7	1.928	2.888	8.0	19.6
6 20	18 37.13	-4 16.6	1.368	2.343	9.2	20.4	6 20	18 36.07	-36 22.4	1.887	2.879	5.5	19.4
6 30	18 26.19	-6 4.6	1.375	2.365	7.3	20.4	6 30	18 26.46	-36 56.0	1.873	2.870	4.9	19.4
7 10	18 15.69	-8 7.6	1.408	2.387	8.6	20.5	7 10	18 16.91	-37 15.0	1.884	2.861	7.0	19.5
7 20	18 6.77	-10 17.3	1.467	2.409	11.7	20.8	7 20	18 8.53	-37 19.3	1.921	2.852	9.9	19.6
7 30	18 0.31	-12 26.2	1.550	2.430	15.0	21.0	7 30	18 2.28	-37 11.1	1.980	2.844	12.9	19.8
162835	2001 CA ₁₉		6 28.0 35°15'	1°2'/28.2	17		471308	2011 HK ₇₃		6 28.0 8°75'	2°0'/27.6	17	
5 21	18 54.02	-19 19.9	1.594	2.437	16.4	19.1	5 21	18 53.09	-23 39.1	1.368	2.225	17.7	20.3
5 31	18 50.28	-19 27.6	1.527	2.445	12.8	18.9	5 31	18 50.28	-24 39.7	1.299	2.227	13.9	20.1
6 10	18 43.95	-19 41.3	1.479	2.453	8.6	18.7	6 10	18 44.39	-25 46.9	1.251	2.229	9.3	19.8
6 20	18 35.69	-19 59.7	1.455	2.462	4.1	18.4	6 20	18 36.06	-26 55.6	1.224	2.232	4.5	19.6
6 30	18 26.54	-20 20.9	1.456	2.472	1.5	18.3	6 30	18 26.47	-27 59.8	1.222	2.236	2.4	19.5
7 10	18 17.71	-20 43.0	1.483	2.481	5.7	18.6	7 10	18 17.10	-28 54.6	1.245	2.242	6.8	19.7
7 20	18 10.29	-21 4.8	1.534	2.491	10.0	18.9	7 20	18 9.35	-29 37.5	1.290	2.248	11.5	20.0
7 30	18 5.15	-21 25.8	1.608	2.502	13.8	19.1	7 30	18 4.32	-30 8.8	1.357	2.255	15.6	20.3
349876	2009 DN ₇₈		6 28.0 163°54'	0°4'/28.1	18		106146	2000 TU ₅₀		6 28.0 233°21'	6°1'/29.1	18	
5 21	18 55.16	-20 53.4	2.363	3.181	12.5	21.6	5 21	18 51.63	-2 28.8	2.802	3.567	12.0	19.6
5 31	18 50.37	-21 8.4	2.279	3.185	9.7	21.4	5 31	18 47.32	-2 0.3	2.704	3.555	10.2	19.5
6 10	18 43.64	-21 26.8	2.219	3.188	6.5	21.2	6 10	18 41.48	-1 42.6	2.628	3.543	8.3	19.3
6 20	18 35.47	-21 47.0	2.184	3.191	3.0	21.0	6 20	18 34.48	-1 37.5	2.576	3.530	6.7	19.2
6 30	18 26.60	-22 7.4	2.178	3.194	0.8	20.8	6 30	18 26.88	-1 46.2	2.551	3.517	6.1	19.1
7 10	18 17.88	-22 26.8	2.199	3.196	4.4	21.1	7 10	18 19.31	-2 8.5	2.553	3.503	6.9	19.2
7 20	18 10.12	-22 44.3	2.249	3.198	7.8	21.3	7 20	18 12.40	-2 43.2	2.581	3.489	8.7	19.3
7 30	18 4.01	-22 59.9	2.323	3.199	10.8	21.5	7 30	18 6.70	-3 28.2	2.634	3.475	10.8	19.4
93795	2000 WB ₄₃		6 28.0 321°27'	7°9'/27.8	18		151153	2001 XJ ₇₈		6 28.0 9°24'	3°4'/26.9	18	
5 21	18 52.98	-8 36.											

EPHEMERIDES

6 28.0

6 28.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
229957	1999 <i>KF</i> ₇		6 28.0 358°79		2°9/27.3 17		354151	2002 <i>CH</i> ₁₃₂		6 28.0 91°26		6°0/27.9 16	
5 21	18 52.30	-24 4.0	1.264	2.128	18.5	19.1	5 21	19 1.28	-42 11.3	2.397	3.191	13.0	21.1
5 31	18 50.02	-25 20.9	1.194	2.125	14.5	18.8	5 31	18 55.37	-42 38.3	2.330	3.204	10.8	20.9
6 10	18 44.44	-26 46.1	1.143	2.122	9.8	18.6	6 10	18 47.05	-42 55.0	2.285	3.218	8.5	20.8
6 20	18 36.18	-28 13.6	1.114	2.121	5.0	18.3	6 20	18 37.03	-42 57.2	2.263	3.231	6.6	20.7
6 30	18 26.43	-29 35.5	1.108	2.121	3.3	18.2	6 30	18 26.33	-42 42.3	2.269	3.244	6.0	20.7
7 10	18 16.82	-30 45.2	1.127	2.122	7.6	18.4	7 10	18 16.10	-42 10.3	2.301	3.257	7.2	20.8
7 20	18 8.90	-31 39.3	1.167	2.125	12.4	18.7	7 20	18 7.33	-41 23.8	2.359	3.270	9.3	21.0
7 30	18 3.93	-32 18.0	1.228	2.128	16.7	19.0	7 30	18 0.78	-40 27.0	2.441	3.283	11.5	21.1
148085	1999 <i>CW</i> ₄₆		6 28.0 69°80		2°8/28.6 17		507779	2013 <i>YZ</i> ₁₅₁		6 28.0 146°97		0°2/28.0 17	
5 21	18 57.66	-14 57.4	1.572	2.401	17.2	19.9	5 21	18 56.34	-23 45.4	1.985	2.814	14.1	22.1
5 31	18 52.87	-15 5.9	1.517	2.425	13.5	19.7	5 31	18 51.68	-23 44.6	1.905	2.816	11.0	21.9
6 10	18 45.52	-15 24.3	1.482	2.449	9.3	19.5	6 10	18 44.71	-23 44.6	1.847	2.818	7.4	21.7
6 20	18 36.35	-15 51.5	1.471	2.473	5.0	19.3	6 20	18 36.04	-23 44.0	1.813	2.821	3.4	21.5
6 30	18 26.45	-16 25.5	1.485	2.497	2.9	19.2	6 30	18 26.56	-23 41.3	1.807	2.823	0.8	21.3
7 10	18 17.02	-17 3.7	1.526	2.521	6.1	19.5	7 10	18 17.33	-23 36.2	1.828	2.825	5.0	21.6
7 20	18 9.13	-17 43.7	1.591	2.545	10.0	19.8	7 20	18 9.30	-23 28.9	1.875	2.827	8.8	21.8
7 30	18 3.56	-18 23.8	1.680	2.568	13.6	20.1	7 30	18 3.28	-23 20.5	1.945	2.828	12.3	22.0
68609	2002 <i>AT</i> ₁₁₈		6 28.0 354°19		2°5/28.6 17		113416	2002 <i>SH</i> ₂₉		6 28.0 1°82		2°1/27.8 17	
5 21	18 54.44	-15 32.5	1.259	2.111	19.3	18.8	5 21	18 51.98	-25 43.2	1.123	1.996	19.7	19.2
5 31	18 51.43	-15 54.4	1.187	2.108	15.3	18.5	5 31	18 50.01	-26 10.8	1.059	1.994	15.5	19.0
6 10	18 45.23	-16 29.9	1.133	2.107	10.6	18.3	6 10	18 44.51	-26 40.8	1.011	1.993	10.5	18.7
6 20	18 36.48	-17 17.8	1.100	2.105	5.5	18.0	6 20	18 36.21	-27 8.9	0.985	1.993	5.1	18.4
6 30	18 26.38	-18 14.8	1.090	2.105	2.6	17.8	6 30	18 26.50	-27 30.6	0.980	1.995	2.5	18.2
7 10	18 16.46	-19 16.4	1.105	2.104	7.0	18.1	7 10	18 17.15	-27 43.2	0.997	1.997	7.4	18.5
7 20	18 8.17	-20 18.2	1.142	2.105	12.1	18.3	7 20	18 9.77	-27 46.7	1.036	2.001	12.7	18.8
7 30	18 2.70	-21 17.3	1.201	2.105	16.6	18.6	7 30	18 5.55	-27 43.0	1.095	2.007	17.3	19.1
249422	2009 <i>DY</i> ₁₂₉		6 28.0 355°47		2°9/28.3 16		401441	2013 <i>CE</i> ₁₃₁		6 28.0 147°71		1°1/27.9 18	
5 21	18 48.80	-17 22.8	1.450	2.305	17.0	20.1	5 21	18 54.94	-26 43.8	2.518	3.337	11.8	21.4
5 31	18 46.56	-17 3.3	1.375	2.299	13.5	19.9	5 31	18 50.12	-26 49.7	2.436	3.341	9.2	21.3
6 10	18 41.67	-16 50.4	1.319	2.294	9.4	19.6	6 10	18 43.44	-26 54.5	2.377	3.346	6.2	21.1
6 20	18 34.76	-16 44.8	1.285	2.290	5.1	19.4	6 20	18 35.40	-26 56.6	2.344	3.350	3.0	20.9
6 30	18 26.82	-16 46.5	1.275	2.288	3.0	19.2	6 30	18 26.73	-26 54.6	2.339	3.353	1.3	20.8
7 10	18 19.11	-16 54.9	1.289	2.286	6.5	19.4	7 10	18 18.27	-26 48.1	2.362	3.357	4.3	21.0
7 20	18 12.76	-17 8.8	1.325	2.287	10.9	19.7	7 20	18 10.79	-26 37.5	2.413	3.360	7.4	21.2
7 30	18 8.72	-17 27.2	1.383	2.288	14.9	19.9	7 30	18 4.92	-26 24.1	2.489	3.363	10.2	21.4
46135	2001 <i>FF</i> ₅₆		6 28.0 338°00		5°4/28.2 18		376482	2012 <i>JN</i> ₅₈		6 28.0 304°80		1°1/27.9 18	
5 21	18 51.37	-12 55.1	1.575	2.412	16.8	18.0	5 21	18 54.70	-24 6.1	1.426	2.279	17.4	20.5
5 31	18 48.32	-12 5.9	1.493	2.403	13.6	17.8	5 31	18 51.78	-24 26.0	1.350	2.254	13.8	20.2
6 10	18 42.74	-11 24.5	1.432	2.394	10.0	17.5	6 10	18 45.66	-24 49.8	1.252	2.229	9.4	19.9
6 20	18 35.23	-10 53.4	1.392	2.386	6.7	17.3	6 20	18 36.82	-25 14.8	1.197	2.205	4.5	19.5
6 30	18 26.71	-10 34.8	1.376	2.378	5.4	17.2	6 30	18 26.31	-25 37.2	1.165	2.181	1.6	19.2
7 10	18 18.36	-10 29.6	1.385	2.372	7.8	17.3	7 10	18 15.65	-25 54.3	1.158	2.157	6.8	19.5
7 20	18 11.25	-10 37.1	1.418	2.366	11.5	17.5	7 20	18 6.38	-26 5.0	1.174	2.134	12.1	19.7
7 30	18 6.32	-10 55.7	1.471	2.360	15.1	17.7	7 30	17 59.85	-26 10.3	1.210	2.111	16.9	19.9
231525	2008 <i>SX</i> ₈₁		6 28.0 172°48		3°2/27.6 18		512888	2016 <i>WL</i> ₂₆		6 28.0 284°99		3°0/27.4 18	
5 21	18 58.83	-31 25.9	2.230	3.048	13.1	21.1	5 21	18 54.70	-29 47.7	2.301	3.125	12.6	21.1
5 31	18 53.56	-31 57.5	2.148	3.050	10.4	20.9	5 31	18 50.42	-30 31.4	2.210	3.116	9.9	20.9
6 10	18 45.96	-32 26.0	2.089	3.052	7.3	20.8	6 10	18 43.94	-31 14.5	2.141	3.107	6.9	20.7
6 20	18 36.60	-32 47.9	2.055	3.054	4.3	20.6	6 20	18 35.74	-31 53.5	2.098	3.099	4.0	20.5
6 30	18 26.39	-33 0.3	2.049	3.055	3.3	20.5	6 30	18 26.62	-32 25.0	2.082	3.090	3.1	20.5
7 10	18 16.38	-33 1.7	2.070	3.056	5.7	20.7	7 10	18 17.55	-32 46.8	2.094	3.081	5.5	20.6
7 20	18 7.57	-32 52.9	2.118	3.056	8.8	20.9	7 20	18 9.48	-32 58.6	2.132	3.072	8.7	20.8
7 30	18 0.77	-32 36.1	2.190	3.056	11.8	21.0	7 30	18 3.22	-33 1.6	2.194	3.064	11.6	20.9
19669	1999 <i>RB</i> ₁₅₀		6 28.0 24°31		0°8/27.9 18		231296	2006 <i>BD</i> ₁₂₈		6 28.0 137°25		0°4/28.1 17	
5 21	18 56.21	-25 5.4	1.744	2.582	15.4	18.2	5 21	18 57.35	-21 52.5	2.109	2.930	13.7	21.5
5 31	18 51.95	-25 10.9	1.667	2.583	12.0	18.0	5 31	18 52.23	-21 54.1	2.033	2.940	10.6	21.4
6 10	18 45.08	-25 16.9	1.610	2.584	8.1	17.8	6 10	18 44.96	-21 57.8	1.979	2.949	7.1	21.2
6 20	18 36.25	-25 21.0	1.577	2.585	3.8	17.5	6 20	18 36.12	-22 2.3	1.951	2.958	3.3	20.9
6 30	18 26.48	-25 21.4	1.571	2.586	1.2	17.3	6 30	18 26.56	-22 6.4	1.950	2.966	0.9	20.8
7 10	18 16.97	-25 17.3	1.590	2.588	5.5	17.6	7 10	18 17.27	-22 9.4	1.977	2.974	4.7	21.1
7 20	18 8.85	-25 9.2	1.635	2.589	9.7	17.9	7 20	18 9.15	-22 11.1	2.031	2.981	8.4	21.3
7 30	18 3.01	-24 58.5	1.702	2.591	13.4	18.1	7 30	18 2.91	-22 12.2	2.109	2.988	11.6	21.5
316675	1995 <i>SO</i> ₄₈		6 28.0 279°00		2°1/28.3 18		103625	2000 <i>CY</i> ₂₇		6 28.0 64°28		2°6/27.9 17	
5 21	18 54.80	-17 45.5	1.885	2.713	14.8	21.0	5 21	18 59.59	-29 19.9	1.492	2.334	17.3	19.6
5 31	18 50.81	-17 40.8	1.784	2.693	11.8	20.7	5 31	18 54.95	-29 27.6	1.427	2.344	13.6	19.4
6 10	18 44.38	-17 41.8	1.704	2.673	8.2	20.5	6 10	18 47.23	-29 31.7	1.382	2.355	9.3	19.2
6 20	18 36.00	-17 48.3	1.648	2.652	4.2	20.2	6 20	18 37.25	-29 28.7	1.360	2.365	4.8	18.9
6 30	18 26.51	-17 59.5	1.618	2.632	2.2	20.0	6 30	18 26.29	-29 16.0	1.363	2.376	2.8	18.8
7 10	18 16.97	-18 14.3	1.615	2.611	5.7	20.2	7 10	18 15.87	-28 53.7	1.392	2.387	6.5	19.1
7 20	18 8.47	-18 31.8	1.638	2.590	9.9	20.4	7 20	18 7.26	-28 23.8	1.444	2.398	10.8	19.4
7 30	18 1.96	-18 51.5	1.684	2.569	13.7	20.6	7 30	18 1.43	-27 50.1	1.519	2.409	14.7	19.6
346624	2008 <i>WS</i> ₁₀₉		6 28.0 285°25		0°8/27.9 16		16957						

EPHEMERIDES

6 28.0

6 28.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
331160	2010 <i>XL</i> ₅₀		6 28.0 216° 02'	0° 6'/27.9 17			309172	2007 <i>BN</i> ₄₉		6 28.0 171° 25'	0° 7'/28.1 18		
5 21	18 59.27	-24 2.3	1.936	2.760	14.6	22.6	5 21	18 54.37	-22 1.2	2.627	3.443	11.4	21.1
5 31	18 54.21	-24 16.4	1.844	2.753	11.5	22.3	5 31	18 49.53	-21 42.6	2.541	3.444	8.9	20.9
6 10	18 46.60	-24 32.3	1.774	2.745	7.7	22.1	6 10	18 42.97	-21 24.6	2.478	3.446	6.0	20.7
6 20	18 37.00	-24 47.5	1.729	2.736	3.6	21.8	6 20	18 35.18	-21 6.7	2.441	3.447	2.8	20.5
6 30	18 26.33	-24 59.8	1.711	2.727	1.1	21.6	6 30	18 26.83	-20 48.9	2.433	3.448	1.0	20.4
7 10	18 15.76	-25 7.5	1.721	2.717	5.4	21.9	7 10	18 18.67	-20 31.3	2.453	3.449	4.0	20.6
7 20	18 6.39	-25 10.7	1.757	2.707	9.5	22.1	7 20	18 11.40	-20 14.5	2.502	3.450	7.1	20.8
7 30	17 59.18	-25 10.4	1.817	2.696	13.2	22.3	7 30	18 5.61	-19 59.2	2.575	3.450	9.9	21.0
183830	2004 <i>BS</i> ₉₆		6 28.0 206° 58'	0° 4'/28.1 17			416680	2004 <i>XD</i> ₅₀		6 28.1 59° 14'	4° 6'/29.9 16		
5 21	18 58.88	-21 58.5	1.937	2.760	14.6	21.5	5 21	19 19.57	-1 50.6	0.728	1.557	31.7	20.0
5 31	18 53.81	-22 1.8	1.848	2.756	11.5	21.2	5 31	19 11.21	-4 34.9	0.706	1.609	25.0	19.8
6 10	18 46.27	-22 7.8	1.780	2.750	7.7	21.0	6 10	18 58.21	-7 59.0	0.699	1.660	17.4	19.6
6 20	18 36.82	-22 14.7	1.738	2.745	3.6	20.7	6 20	18 42.10	-11 48.7	0.711	1.711	9.5	19.5
6 30	18 26.38	-22 21.0	1.722	2.738	0.9	20.5	6 30	18 25.27	-15 41.2	0.748	1.761	4.6	19.4
7 10	18 16.08	-22 25.6	1.734	2.731	5.3	20.8	7 10	18 10.32	-19 13.8	0.811	1.810	8.9	19.8
7 20	18 6.99	-22 28.5	1.773	2.723	9.4	21.0	7 20	17 59.06	-22 13.8	0.897	1.858	14.7	20.3
7 30	17 59.99	-22 30.2	1.835	2.715	13.0	21.2	7 30	17 52.41	-24 39.3	1.003	1.904	19.5	20.8
231928	2001 <i>DY</i> ₃₄		6 28.0 156° 94'	2° 4'/27.9 18			256687	2007 <i>YV</i> ₅₅		6 28.1 210° 88'	1° 2'/28.2 17		
5 21	18 58.10	-29 30.5	1.968	2.795	14.3	20.4	5 21	18 58.66	-19 47.6	1.916	2.738	14.8	21.6
5 31	18 53.19	-29 42.6	1.889	2.797	11.2	20.2	5 31	18 53.66	-19 47.3	1.826	2.733	11.7	21.4
6 10	18 45.81	-29 51.8	1.831	2.799	7.7	20.0	6 10	18 46.19	-19 51.2	1.757	2.726	7.9	21.2
6 20	18 36.57	-29 55.1	1.797	2.801	4.1	19.8	6 20	18 36.81	-19 58.2	1.713	2.719	3.8	20.9
6 30	18 26.46	-29 50.3	1.790	2.802	2.5	19.7	6 30	18 26.43	-20 6.9	1.696	2.711	1.4	20.7
7 10	18 16.63	-29 36.8	1.811	2.804	5.6	19.9	7 10	18 16.15	-20 16.4	1.706	2.703	5.4	21.0
7 20	18 8.13	-29 15.8	1.857	2.805	9.2	20.1	7 20	18 7.05	-20 26.0	1.743	2.694	9.5	21.2
7 30	18 1.82	-28 49.8	1.928	2.806	12.6	20.3	7 30	18 0.03	-20 36.0	1.804	2.684	13.2	21.4
288731	2004 <i>RV</i> ₄₅		6 28.0 327° 08'	4° 7'/27.5 18			130117	1999 <i>XD</i> ₈₀		6 28.1 294° 13'	1° 3'/28.1 18		
5 21	18 55.89	-35 24.4	2.137	2.959	13.5	20.0	5 21	18 54.77	-20 40.9	1.830	2.664	14.9	19.6
5 31	18 51.57	-35 59.2	2.053	2.953	10.9	19.8	5 31	18 50.73	-20 26.2	1.743	2.656	11.7	19.3
6 10	18 44.79	-36 28.6	1.991	2.948	8.0	19.6	6 10	18 44.26	-20 14.1	1.676	2.648	8.0	19.1
6 20	18 36.14	-36 48.5	1.953	2.943	5.5	19.4	6 20	18 35.93	-20 4.1	1.633	2.640	3.9	18.8
6 30	18 26.55	-36 55.4	1.941	2.938	4.8	19.4	6 30	18 26.65	-19 55.8	1.617	2.632	1.5	18.6
7 10	18 17.16	-36 48.0	1.956	2.934	6.7	19.5	7 10	18 17.51	-19 48.8	1.627	2.624	5.5	18.9
7 20	18 9.00	-36 27.5	1.996	2.929	9.5	19.7	7 20	18 9.58	-19 43.5	1.662	2.616	9.6	19.1
7 30	18 2.96	-35 56.8	2.060	2.925	12.4	19.8	7 30	18 3.71	-19 40.3	1.721	2.609	13.3	19.3
390148	2012 <i>VZ</i> ₈₆		6 28.0 279° 90'	0° 2'/28.0 16			286446	2002 <i>AC</i> ₆₇		6 28.1 202° 94'	0° 2'/28.1 18		
5 21	18 55.60	-24 18.1	1.950	2.781	14.2	21.6	5 21	18 53.88	-20 35.1	2.302	3.124	12.6	20.7
5 31	18 51.25	-24 10.3	1.862	2.774	11.2	21.4	5 31	18 49.54	-21 3.4	2.216	3.123	9.9	20.5
6 10	18 44.53	-24 2.6	1.795	2.767	7.5	21.1	6 10	18 43.21	-21 36.2	2.152	3.122	6.6	20.3
6 20	18 36.01	-23 53.5	1.753	2.760	3.4	20.9	6 20	18 35.39	-22 11.8	2.115	3.122	3.0	20.1
6 30	18 26.59	-23 41.9	1.737	2.753	0.9	20.6	6 30	18 26.79	-22 47.8	2.104	3.121	0.7	19.9
7 10	18 17.35	-23 27.8	1.749	2.746	5.1	20.9	7 10	18 18.28	-23 22.2	2.123	3.120	4.4	20.2
7 20	18 9.30	-23 11.9	1.786	2.740	9.1	21.2	7 20	18 10.71	-23 53.8	2.168	3.118	7.9	20.4
7 30	18 3.28	-22 55.5	1.847	2.733	12.7	21.4	7 30	18 4.78	-24 22.0	2.238	3.117	11.0	20.6
257862	2000 <i>QC</i> ₂₄₈		6 28.0 268° 33'	4° 4'/27.7 18			32087	Vemulapalli		6 28.1 296° 95'	0° 2'/28.1 18		
5 21	19 1.89	-32 31.5	1.599	2.431	16.8	21.5	5 21	18 54.03	-22 38.4	1.991	2.823	14.0	18.7
5 31	18 57.30	-32 57.1	1.501	2.410	13.5	21.3	5 31	18 50.02	-22 39.9	1.901	2.813	10.9	18.5
6 10	18 49.29	-33 18.6	1.422	2.388	9.7	21.0	6 10	18 43.72	-22 43.5	1.832	2.804	7.4	18.3
6 20	18 38.46	-33 30.5	1.367	2.366	5.9	20.7	6 20	18 35.67	-22 47.7	1.788	2.796	3.4	18.0
6 30	18 25.96	-33 27.5	1.337	2.344	4.6	20.6	6 30	18 26.71	-22 51.3	1.771	2.787	0.8	17.8
7 10	18 13.43	-33 7.7	1.332	2.320	7.7	20.7	7 10	18 17.87	-22 53.3	1.780	2.778	5.0	18.1
7 20	18 2.50	-32 32.8	1.351	2.297	12.1	20.9	7 20	18 10.13	-22 53.7	1.816	2.769	9.0	18.3
7 30	17 54.50	-31 47.4	1.392	2.273	16.3	21.1	7 30	18 4.31	-22 53.0	1.875	2.761	12.5	18.5
73519	2003 <i>JF</i> ₁₀		6 28.0 2° 08'	4° 7'/28.6 18			438981	2010 <i>OE</i> ₇₆		6 28.1 303° 67'	1° 4'/27.9 17		
5 21	18 51.72	-10 10.0	2.223	3.031	13.5	19.7	5 21	18 56.99	-22 18.4	2.102	2.925	13.7	21.0
5 31	18 47.75	-9 41.2	2.141	3.030	11.0	19.5	5 31	18 52.43	-21 35.2	1.979	2.886	10.9	21.0
6 10	18 41.93	-9 20.9	2.081	3.030	8.2	19.4	6 10	18 45.47	-20 49.5	1.877	2.847	7.5	20.7
6 20	18 34.75	-9 10.7	2.045	3.030	5.7	19.2	6 20	18 36.56	-20 1.2	1.801	2.807	3.7	20.4
6 30	18 26.92	-9 11.3	2.035	3.031	4.7	19.2	6 30	18 26.50	-19 10.9	1.753	2.767	1.7	20.1
7 10	18 19.23	-9 22.3	2.052	3.031	6.3	19.3	7 10	18 16.30	-18 20.3	1.732	2.727	5.5	20.3
7 20	18 12.46	-9 42.8	2.094	3.031	9.0	19.4	7 20	18 7.02	-17 31.6	1.739	2.687	9.7	20.5
7 30	18 7.25	-10 10.9	2.161	3.031	11.7	19.6	7 30	17 59.62	-16 47.2	1.769	2.647	13.5	20.6
311394	2005 <i>TA</i> ₅₉		6 28.0 145° 05'	2° 3'/28.4 16			361266	2006 <i>SA</i> ₃₇₆		6 28.1 127° 57'	0° 4'/28.1 17		
5 21	18 52.68	-15 45.1	2.596	3.405	11.7	21.8	5 21	18 54.87	-20 58.2	2.617	3.430	11.5	21.5
5 31	18 48.20	-15 32.7	2.513	3.411	9.2	21.7	5 31	18 49.91	-21 12.2	2.541	3.443	9.0	21.3
6 10	18 42.08	-15 25.1	2.454	3.416	6.5	21.5	6 10	18 43.23	-21 28.9	2.488	3.456	6.0	21.1
6 20	18 34.78	-15 22.4	2.421	3.420	3.6	21.3	6 20	18 35.32	-21 47.0	2.462	3.468	2.8	20.9
6 30	18 26.92	-15 24.4	2.415	3.425	2.4	21.3	6 30	18 26.85	-22 5.0	2.465	3.481	0.7	20.8
7 10	18 19.22	-15 30.7	2.438	3.429	4.5	21.4	7 10	18 18.57	-22 22.0	2.496	3.492	3.9	21.1
7 20	18 12.36	-15 40.7	2.489	3.434	7.3	21.6	7 20	18 11.20	-22 37.3	2.555	3.503	7.0	21.3
7 30	18 6.90	-15 53.9	2.564	3.437	10.0	21.8	7 30	18 5.31	-22 50.9	2.640	3.514	9.7	21.5
280924	2006 <i>AP</i> ₂₂		6 28.0 62° 39'	5° 4'/30.5 18									

EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
434768	2006 JJ ₃₆		6 28.1 333°81	4.9°/28.3	16		23027	1999 WV ₁₇		6 28.1 238°73	6.2°/28.3	18	
5 21	18 51.91	-13 33.4	1.614	2.449	16.5	20.9	5 21	18 54.72	-6 53.8	2.278	3.067	13.8	18.5
5 31	18 48.72	-12 49.6	1.531	2.440	13.3	20.6	5 31	18 50.14	-6 1.6	2.182	3.054	11.5	18.3
6 10	18 43.03	-12 13.2	1.468	2.431	9.7	20.4	6 10	18 43.63	-5 18.0	2.106	3.040	9.0	18.1
6 20	18 35.42	-11 46.4	1.427	2.423	6.3	20.2	6 20	18 35.64	-4 45.8	2.056	3.026	6.9	18.0
6 30	18 26.80	-11 30.9	1.411	2.415	5.0	20.1	6 30	18 26.85	-4 26.9	2.032	3.012	6.3	17.9
7 10	18 18.34	-11 27.3	1.420	2.408	7.4	20.2	7 10	18 18.11	-4 22.4	2.034	2.996	7.6	18.0
7 20	18 11.11	-11 35.2	1.452	2.401	11.2	20.4	7 20	18 10.21	-4 31.7	2.062	2.981	10.0	18.1
7 30	18 6.02	-11 52.8	1.506	2.395	14.8	20.6	7 30	18 3.88	-4 53.2	2.114	2.965	12.7	18.2
32995	1997 BS ₁		6 28.1 208°51	2.2°/28.6	18		74925	1999 TB ₁₅₂		6 28.1 211°79	0.7°/27.9	18	
5 21	18 52.99	-15 15.7	2.371	3.184	12.6	19.4	5 21	18 58.95	-23 25.9	1.790	2.620	15.4	19.8
5 31	18 48.72	-15 26.3	2.283	3.182	10.0	19.3	5 31	18 54.20	-23 50.9	1.704	2.616	12.1	19.6
6 10	18 42.61	-15 43.8	2.217	3.180	6.9	19.1	6 10	18 46.74	-24 19.2	1.639	2.611	8.1	19.3
6 20	18 35.11	-16 7.7	2.177	3.178	3.8	18.9	6 20	18 37.17	-24 47.9	1.598	2.605	3.8	19.1
6 30	18 26.90	-16 36.8	2.165	3.176	2.2	18.7	6 30	18 26.47	-25 14.1	1.584	2.599	1.2	18.8
7 10	18 18.79	-17 9.7	2.180	3.174	4.7	18.9	7 10	18 15.88	-25 35.4	1.596	2.593	5.6	19.1
7 20	18 11.54	-17 44.8	2.223	3.172	7.9	19.1	7 20	18 6.58	-25 51.0	1.635	2.587	9.9	19.4
7 30	18 5.82	-18 20.8	2.291	3.169	10.8	19.3	7 30	17 59.57	-26 1.6	1.697	2.579	13.8	19.6
407754	2011 WQ ₃₅		6 28.1 185°20	2.2°/28.2	17		395501	2011 UX ₉₆		6 28.1 198°16	3.9°/28.5	17	
5 21	18 59.40	-18 54.4	1.601	2.432	16.8	21.6	5 21	18 53.05	-11 57.8	2.429	3.233	12.6	21.8
5 31	18 54.58	-18 36.0	1.522	2.433	13.3	21.4	5 31	18 48.65	-11 28.0	2.342	3.231	10.2	21.6
6 10	18 46.97	-18 22.2	1.462	2.432	9.1	21.2	6 10	18 42.51	-11 4.7	2.277	3.230	7.4	21.5
6 20	18 37.22	-18 12.6	1.427	2.432	4.6	20.9	6 20	18 35.07	-10 49.1	2.238	3.227	4.9	21.3
6 30	18 26.40	-18 6.8	1.417	2.431	2.3	20.7	6 30	18 27.01	-10 41.9	2.226	3.225	4.0	21.2
7 10	18 15.84	-18 4.4	1.433	2.429	6.3	21.0	7 10	18 19.08	-10 43.1	2.241	3.223	5.6	21.3
7 20	18 6.75	-18 5.4	1.475	2.427	10.7	21.2	7 20	18 12.00	-10 52.2	2.283	3.220	8.3	21.5
7 30	18 0.10	-18 9.8	1.538	2.425	14.7	21.5	7 30	18 6.40	-11 8.0	2.350	3.217	11.0	21.7
397716	2008 DA ₂₇		6 28.1 91°03	6°0/29.9	18		439300	2012 VD ₂₁		6 28.1 229°38	1°1/28.2	18	
5 21	18 52.95	-2 48.7	2.424	3.197	13.5	21.5	5 21	18 55.09	-19 56.9	2.103	2.927	13.6	21.9
5 31	18 48.41	-2 39.0	2.357	3.215	11.3	21.4	5 31	18 50.66	-19 53.4	2.014	2.922	10.7	21.7
6 10	18 42.22	-2 42.7	2.310	3.233	8.9	21.3	6 10	18 44.08	-19 53.4	1.948	2.917	7.3	21.5
6 20	18 34.87	-3 1.0	2.288	3.250	6.9	21.2	6 20	18 35.86	-19 56.0	1.906	2.912	3.5	21.3
6 30	18 27.01	-3 33.8	2.293	3.268	6.0	21.1	6 30	18 26.82	-20 0.5	1.891	2.906	1.4	21.1
7 10	18 19.37	-4 19.5	2.324	3.285	6.9	21.2	7 10	18 17.91	-20 5.9	1.904	2.901	4.9	21.3
7 20	18 12.62	-5 15.7	2.381	3.302	8.8	21.4	7 20	18 10.04	-20 12.1	1.944	2.895	8.6	21.5
7 30	18 7.32	-6 19.2	2.464	3.318	11.0	21.5	7 30	18 3.98	-20 19.0	2.007	2.889	12.0	21.7
402439	2006 BZ ₁₂		6 28.1 250°92	3°7/28.6	17		228878	2003 ME ₃		6 28.1 23°41	2°5/27.3	17	
5 21	18 57.77	-14 24.2	1.538	2.368	17.5	21.6	5 21	18 54.78	-21 50.1	1.234	2.094	19.1	18.8
5 31	18 53.64	-14 16.9	1.447	2.355	14.1	21.4	5 31	18 51.87	-23 27.3	1.176	2.105	14.9	18.6
6 10	18 46.60	-14 19.8	1.375	2.341	10.0	21.1	6 10	18 45.64	-25 15.2	1.138	2.117	10.0	18.4
6 20	18 37.19	-14 33.3	1.326	2.327	5.8	20.8	6 20	18 36.79	-27 6.3	1.122	2.130	4.8	18.1
6 30	18 26.41	-14 56.9	1.302	2.312	3.8	20.6	6 30	18 26.60	-28 51.2	1.130	2.144	2.9	18.0
7 10	18 15.60	-15 28.9	1.303	2.297	7.1	20.8	7 10	18 16.72	-30 22.2	1.163	2.159	7.4	18.3
7 20	18 6.09	-16 7.0	1.329	2.281	11.6	21.0	7 20	18 8.65	-31 35.3	1.220	2.176	12.2	18.6
7 30	17 59.03	-16 49.1	1.376	2.266	15.9	21.2	7 30	18 3.57	-32 30.4	1.296	2.193	16.3	18.9
379309	2009 VA ₉₁		6 28.1 135°55	2°6/27.8	17		472545	2015 DL ₃₁		6 28.1 16°53	8°3/30.7	16	
5 21	18 58.32	-28 48.4	1.783	2.616	15.3	21.8	5 21	18 51.74	-2 33.5	1.408	2.223	19.5	20.8
5 31	18 53.68	-29 12.9	1.706	2.618	12.0	21.6	5 31	18 48.77	-2 30.8	1.342	2.227	16.4	20.6
6 10	18 46.33	-29 35.9	1.650	2.620	8.3	21.4	6 10	18 43.16	-2 51.2	1.293	2.233	13.0	20.4
6 20	18 36.92	-29 53.6	1.619	2.622	4.4	21.1	6 20	18 35.54	-3 37.3	1.264	2.239	9.8	20.2
6 30	18 26.51	-30 2.9	1.613	2.624	2.8	21.0	6 30	18 26.92	-4 48.4	1.259	2.246	8.3	20.1
7 10	18 16.36	-30 2.4	1.634	2.626	6.0	21.2	7 10	18 18.54	-6 20.5	1.277	2.254	9.5	20.2
7 20	18 7.66	-29 52.8	1.680	2.628	9.9	21.5	7 20	18 11.55	-8 6.7	1.318	2.263	12.4	20.4
7 30	18 1.34	-29 36.6	1.748	2.630	13.5	21.7	7 30	18 6.87	-9 59.6	1.381	2.272	15.8	20.6
476474	2008 FY ₁₈		6 28.1 101°68	4°6/27.5	18		133893	2004 RT ₁₉		6 28.1 211°60	3°0/27.8	17	
5 21	18 57.31	-35 52.8	2.271	3.086	13.0	21.6	5 21	19 1.77	-29 1.5	1.605	2.438	16.7	21.1
5 31	18 52.49	-36 28.4	2.192	3.088	10.5	21.4	5 31	18 56.84	-29 28.8	1.522	2.434	13.2	20.8
6 10	18 45.32	-36 58.2	2.135	3.089	7.7	21.2	6 10	18 48.76	-29 54.9	1.460	2.429	9.2	20.6
6 20	18 36.40	-37 18.3	2.103	3.091	5.3	21.1	6 20	18 38.18	-30 15.0	1.421	2.424	4.9	20.3
6 30	18 26.64	-37 25.6	2.098	3.093	4.7	21.1	6 30	18 26.28	-30 25.0	1.407	2.419	3.2	20.2
7 10	18 17.11	-37 18.8	2.119	3.094	6.4	21.2	7 10	18 14.57	-30 23.0	1.420	2.412	6.8	20.4
7 20	18 8.81	-36 59.3	2.167	3.096	9.1	21.3	7 20	18 4.50	-30 10.1	1.457	2.406	11.2	20.6
7 30	18 2.55	-36 30.0	2.238	3.098	11.8	21.5	7 30	17 57.18	-29 49.3	1.517	2.399	15.1	20.8
349243	2007 TB ₁₀₅		6 28.1 297°36	1°6/27.9	18	R	211503	2003 QO ₁₁		6 28.1 309°27	2°5/28.5	18	
5 21	18 55.52	-26 56.5	1.859	2.694	14.7	20.9	5 21	18 53.62	-16 22.0	1.293	2.145	18.8	20.0
5 31	18 51.49	-27 8.3	1.769	2.683	11.5	20.7	5 31	18 51.01	-16 34.1	1.205	2.128	15.1	19.7
6 10	18 44.90	-27 19.6	1.700	2.672	7.9	20.4	6 10	18 45.21	-16 58.4	1.136	2.111	10.5	19.4
6 20	18 36.31	-27 27.8	1.655	2.661	3.9	20.2	6 20	18 36.71	-17 34.4	1.088	2.094	5.5	19.0
6 30	18 26.67	-27 30.3	1.636	2.651	1.9	20.0	6 30	18 26.60	-18 20.0	1.063	2.078	2.6	18.8
7 10	18 17.15	-27 26.2	1.644	2.640	5.6	20.2	7 10	18 16.39	-19 11.6	1.062	2.062	7.2	19.0
7 20	18 8.87	-27 15.9	1.677	2.630	9.7	20.5	7 20	18 7.64	-20 5.4	1.084	2.047	12.5	19.3
7 30	18 2.78	-27 1.1	1.734	2.620	13.3	20.7	7 30	18 1.66	-20 58.7	1.125	2.032	17.4	19.5
206441	2003 SY ₂₂₀		6 28.1 229°75	3°9/28.4	18		111504	2001 YU ₇₂		6 28.1 109°28	0°1/28.1	18	
5 21	18												

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
150051	2006 <i>QM</i> ₁₀		6 28.1 310°29	3°3/27.6	18		184852	2005 <i>UV</i> ₅₃		6 28.1 264°79	0°5/28.2	18	
5 21	18 54.87	-27 40.2	1.298	2.157	18.4	20.2	5 21	18 53.67	-21 16.6	2.445	3.264	12.1	21.2
5 31	18 52.40	-28 18.5	1.206	2.134	14.7	19.9	5 31	18 49.38	-21 21.5	2.343	3.249	9.5	21.0
6 10	18 46.41	-28 59.3	1.133	2.110	10.2	19.6	6 10	18 43.17	-21 28.9	2.264	3.233	6.4	20.8
6 20	18 37.37	-29 37.7	1.081	2.087	5.5	19.2	6 20	18 35.49	-21 38.0	2.211	3.218	3.0	20.6
6 30	18 26.44	-30 7.8	1.052	2.065	3.6	19.0	6 30	18 27.00	-21 47.4	2.186	3.201	0.8	20.4
7 10	18 15.34	-30 25.5	1.047	2.043	8.0	19.2	7 10	18 18.53	-21 56.4	2.188	3.185	4.3	20.6
7 20	18 5.85	-30 29.8	1.063	2.022	13.2	19.4	7 20	18 10.90	-22 4.6	2.218	3.169	7.8	20.8
7 30	17 59.48	-30 23.1	1.099	2.001	18.1	19.6	7 30	18 4.81	-22 11.9	2.273	3.152	10.9	21.0
456660	2007 <i>RN</i> ₃₈		6 28.1 323°53	4°4/28.7	17		337104	1999 <i>NN</i> ₂₂		6 28.1 307°13	6°8/29.1	16	
5 21	18 49.82	-14 26.9	1.095	1.962	20.5	20.4	5 21	19 11.67	-42 2.2	1.668	2.470	17.5	20.2
5 31	18 48.50	-14 15.3	1.011	1.940	16.6	20.1	5 31	19 5.47	-41 45.5	1.544	2.427	14.8	19.9
6 10	18 43.78	-14 17.2	0.944	1.919	12.0	19.7	6 10	18 55.15	-41 10.5	1.439	2.383	11.5	19.6
6 20	18 36.15	-14 34.4	0.895	1.899	7.0	19.4	6 20	18 41.36	-40 8.7	1.356	2.340	8.3	19.3
6 30	18 26.74	-15 7.0	0.868	1.880	4.5	19.2	6 30	18 25.56	-38 33.6	1.300	2.295	6.8	19.1
7 10	18 17.19	-15 52.8	0.863	1.862	8.5	19.3	7 10	18 9.82	-36 25.3	1.270	2.251	9.1	19.1
7 20	18 9.21	-16 48.0	0.877	1.845	14.0	19.5	7 20	17 56.13	-33 51.2	1.267	2.207	13.3	19.2
7 30	18 4.27	-17 48.3	0.910	1.830	19.2	19.8	7 30	17 46.01	-31 4.2	1.289	2.163	17.8	19.4
280109	2002 <i>GU</i> ₈₂		6 28.1 113°52	5°6/26.9	18		428124	2006 <i>SX</i> ₁₆		6 28.1 283°54	6°2/27.5	18	
5 21	19 1.92	-35 41.3	2.013	2.827	14.5	20.8	5 21	19 1.95	-36 1.8	1.618	2.447	16.8	21.2
5 31	18 56.42	-36 50.7	1.946	2.841	11.7	20.6	5 31	18 57.63	-36 41.5	1.517	2.420	13.8	20.9
6 10	18 48.16	-37 55.0	1.902	2.854	8.7	20.5	6 10	18 49.76	-37 15.5	1.435	2.393	10.4	20.6
6 20	18 37.80	-38 48.3	1.883	2.867	6.2	20.3	6 20	18 38.87	-37 37.1	1.375	2.366	7.2	20.4
6 30	18 26.41	-39 25.4	1.890	2.879	5.7	20.3	6 30	18 26.15	-37 39.8	1.340	2.338	6.3	20.3
7 10	18 15.31	-39 44.0	1.924	2.892	7.6	20.5	7 10	18 13.29	-37 20.3	1.330	2.310	8.9	20.3
7 20	18 5.68	-39 45.2	1.983	2.904	10.3	20.7	7 20	18 2.05	-36 40.4	1.343	2.281	12.8	20.5
7 30	17 58.48	-39 32.4	2.065	2.915	13.0	20.9	7 30	17 53.85	-35 45.5	1.378	2.253	16.8	20.7
395949	2013 <i>AJ</i> ₁₂₉		6 28.1 47°78	1°7/28.2	18		250044	2002 <i>CL</i> ₂₂₃		6 28.1 37°67	5°7/29.1	17	
5 21	18 53.82	-19 34.4	2.037	2.864	13.9	20.2	5 21	18 51.50	-7 57.2	1.938	2.748	15.1	20.0
5 31	18 49.55	-19 11.1	1.965	2.874	10.8	20.0	5 31	18 47.78	-7 29.7	1.872	2.760	12.4	19.8
6 10	18 43.22	-18 50.8	1.915	2.884	7.4	19.8	6 10	18 42.08	-7 14.2	1.826	2.772	9.4	19.6
6 20	18 35.43	-18 33.3	1.890	2.895	3.7	19.6	6 20	18 34.94	-7 12.3	1.803	2.784	6.8	19.5
6 30	18 27.00	-18 18.8	1.891	2.905	1.9	19.5	6 30	18 27.15	-7 24.5	1.805	2.797	5.7	19.5
7 10	18 18.86	-18 7.3	1.920	2.916	5.0	19.8	7 10	18 19.63	-7 49.8	1.833	2.810	7.1	19.6
7 20	18 11.86	-17 59.1	1.975	2.927	8.5	20.0	7 20	18 13.18	-8 26.2	1.886	2.823	9.8	19.8
7 30	18 6.68	-17 54.3	2.054	2.938	11.7	20.2	7 30	18 8.47	-9 10.7	1.962	2.837	12.5	20.0
156974	2003 <i>JO</i> ₄		6 28.1 57°91	2°2/27.8	17		103214	1999 <i>XG</i> ₂₆₀		6 28.1 207°53	0°8/28.2	18	
5 21	18 57.50	-26 21.3	1.580	2.422	16.5	20.1	5 21	18 55.70	-20 49.1	2.037	2.862	13.9	20.5
5 31	18 53.27	-26 57.5	1.514	2.432	12.9	19.9	5 31	18 51.22	-20 50.0	1.951	2.860	10.9	20.3
6 10	18 46.16	-27 34.9	1.469	2.442	8.7	19.7	6 10	18 44.50	-20 54.1	1.888	2.858	7.4	20.1
6 20	18 36.91	-28 9.2	1.446	2.453	4.3	19.4	6 20	18 36.11	-21 0.3	1.849	2.856	3.5	19.8
6 30	18 26.64	-28 36.7	1.450	2.463	2.4	19.3	6 30	18 26.86	-21 7.4	1.837	2.853	1.1	19.7
7 10	18 16.72	-28 55.0	1.479	2.474	6.2	19.6	7 10	18 17.78	-21 14.4	1.853	2.850	4.9	19.9
7 20	18 8.40	-29 4.0	1.533	2.485	10.4	19.9	7 20	18 9.80	-21 21.1	1.895	2.847	8.8	20.2
7 30	18 2.61	-29 5.5	1.608	2.496	14.1	20.1	7 30	18 3.71	-21 27.5	1.961	2.844	12.2	20.4
281556	2008 <i>UL</i> ₇₁		6 28.1 305°91	5°5/27.1	18		183266	2002 <i>TJ</i> ₂₂₅		6 28.1 281°37	2°4/27.7	18	
5 21	18 56.76	-33 27.9	1.638	2.476	16.2	20.0	5 21	18 57.55	-26 33.1	1.602	2.443	16.4	20.4
5 31	18 53.31	-34 22.4	1.544	2.455	13.1	19.8	5 31	18 53.72	-27 10.9	1.509	2.426	13.0	20.2
6 10	18 46.67	-35 14.8	1.471	2.435	9.6	19.5	6 10	18 46.84	-27 51.3	1.436	2.410	8.9	19.9
6 20	18 37.37	-35 58.9	1.420	2.414	6.5	19.3	6 20	18 37.42	-28 30.1	1.387	2.393	4.6	19.6
6 30	18 26.48	-36 28.6	1.394	2.394	5.7	19.2	6 30	18 26.52	-29 2.8	1.362	2.376	2.7	19.4
7 10	18 15.51	-36 40.1	1.392	2.374	8.3	19.3	7 10	18 15.56	-29 25.9	1.364	2.359	6.7	19.6
7 20	18 5.99	-36 33.5	1.415	2.355	12.1	19.4	7 20	18 5.96	-29 38.5	1.389	2.342	11.3	19.9
7 30	17 59.22	-36 12.2	1.458	2.336	15.9	19.6	7 30	17 58.96	-29 42.2	1.437	2.324	15.5	20.1
335577	2006 <i>DE</i> ₄		6 28.1 85°20	2°8/28.5	17		401206	2011 <i>YU</i> ₁₉		6 28.1 254°18	2°0/28.6	18	
5 21	18 56.45	-15 27.4	1.858	2.680	15.2	20.6	5 21	18 52.60	-15 19.2	2.478	3.290	12.2	21.4
5 31	18 51.69	-15 21.6	1.794	2.698	12.0	20.4	5 31	18 48.43	-15 35.3	2.384	3.283	9.6	21.2
6 10	18 44.69	-15 23.2	1.752	2.716	8.3	20.3	6 10	18 42.47	-15 58.4	2.313	3.276	6.7	21.0
6 20	18 36.11	-15 32.0	1.733	2.734	4.6	20.1	6 20	18 35.15	-16 27.9	2.267	3.269	3.6	20.8
6 30	18 26.84	-15 47.1	1.742	2.752	2.8	20.0	6 30	18 27.10	-17 2.5	2.249	3.262	2.0	20.7
7 10	18 17.93	-16 7.2	1.777	2.770	5.6	20.2	7 10	18 19.10	-17 40.6	2.260	3.254	4.5	20.8
7 20	18 10.29	-16 30.9	1.838	2.788	9.1	20.5	7 20	18 11.88	-18 20.3	2.298	3.247	7.6	21.0
7 30	18 4.64	-16 57.0	1.922	2.805	12.4	20.7	7 30	18 6.11	-19 0.5	2.361	3.240	10.6	21.2
12803	1995 <i>YF</i>		6 28.1 318°28	1°6/28.3	18		386490	2009 <i>AZ</i> ₄₇		6 28.1 113°36	4°9/29.5	18	
5 21	18 52.18	-19 14.3	1.288	2.147	18.5	17.5	5 21	18 54.13	-7 27.2	2.036	2.835	14.8	20.4
5 31	18 49.96	-19 17.3	1.199	2.126	14.7	17.2	5 31	18 49.87	-7 35.9	1.955	2.838	12.1	20.3
6 10	18 44.54	-19 28.1	1.128	2.106	10.2	16.8	6 10	18 43.54	-7 58.3	1.895	2.841	9.1	20.1
6 20	18 36.43	-19 46.1	1.078	2.086	5.0	16.5	6 20	18 35.66	-8 35.0	1.858	2.843	6.3	19.9
6 30	18 26.71	-20 9.3	1.051	2.066	1.9	16.2	6 30	18 26.99	-9 25.1	1.848	2.846	4.9	19.8
7 10	18 16.91	-20 35.6	1.047	2.048	7.0	16.5	7 10	18 18.44	-10 26.2	1.865	2.848	6.5	19.9
7 20	18 8.56	-21 3.0	1.065	2.030	12.5	16.7	7 20	18 10.89	-11 34.9	1.909	2.850	9.4	20.1
7 30	18 3.01	-21 30.3	1.103	2.013	17.4	16.9	7 30	18 5.08	-12 47.7	1.977	2.853	12.4	20.3
424839	2008 <i>UQ</i> ₂₆₀		6 28.1 217°79	0°1/28.1	17		104245	20					

EPHEMERIDES

6 28.1

6 28.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
495308	2014 <i>AE</i> ₃₃		6 28.1 195°43	13°8/	2.7	18	36766	2000 <i>RN</i> ₉₁		6 28.1 118°40	2°2/28.3	17	
5 21	19 1.06	+ 8 8.7	1.334	2.091	23.2	21.5	5 21	18 59.68	-18 26.3	1.582	2.413	17.0	18.9
5 31	18 56.41	+ 8 35.2	1.260	2.090	20.7	21.3	5 31	18 54.70	-18 11.4	1.514	2.424	13.4	18.7
6 10	18 48.57	+ 8 29.2	1.200	2.088	17.9	21.1	6 10	18 47.00	-18 2.0	1.466	2.435	9.2	18.5
6 20	18 38.18	+ 7 43.5	1.158	2.086	15.3	21.0	6 20	18 37.28	-17 57.5	1.441	2.446	4.7	18.2
6 30	18 26.37	+ 6 14.7	1.137	2.083	13.9	20.9	6 30	18 26.66	-17 57.3	1.442	2.456	2.4	18.1
7 10	18 14.66	+ 4 5.8	1.138	2.079	14.4	20.9	7 10	18 16.43	-18 0.7	1.470	2.466	6.1	18.4
7 20	18 4.50	+ 1 26.3	1.162	2.074	16.5	21.0	7 20	18 7.75	-18 7.2	1.522	2.475	10.4	18.6
7 30	17 57.08	- 1 31.2	1.207	2.069	19.5	21.2	7 30	18 1.49	-18 16.6	1.597	2.485	14.2	18.9
63063	2000 <i>WU</i> ₁₂₀		6 28.1 83°55	3°7/27.3	18		255709	2006 <i>QD</i> ₁₀₁		6 28.1 294°50	3°0/27.5	17	
5 21	18 59.07	-29 21.7	1.837	2.666	15.1	18.9	5 21	18 57.07	-26 39.3	1.436	2.285	17.5	20.2
5 31	18 54.25	-30 26.3	1.770	2.679	11.8	18.7	5 31	18 53.74	-27 29.6	1.347	2.269	13.9	19.9
6 10	18 46.74	-31 30.6	1.724	2.691	8.2	18.5	6 10	18 47.09	-28 24.0	1.278	2.253	9.6	19.6
6 20	18 37.19	-32 29.3	1.704	2.704	4.8	18.3	6 20	18 37.65	-29 17.5	1.231	2.236	5.1	19.3
6 30	18 26.63	-33 17.3	1.710	2.716	3.9	18.3	6 30	18 26.52	-30 4.1	1.208	2.220	3.3	19.2
7 10	18 16.32	-33 51.7	1.743	2.728	6.5	18.5	7 10	18 15.29	-30 39.1	1.210	2.204	7.4	19.4
7 20	18 7.44	-34 12.2	1.801	2.741	10.0	18.7	7 20	18 5.58	-31 1.0	1.235	2.189	12.3	19.6
7 30	18 0.92	-34 20.7	1.882	2.753	13.2	18.9	7 30	17 58.73	-31 11.2	1.281	2.173	16.7	19.8
131832	2002 <i>AK</i> ₁₀₈		6 28.1 132°63	2°1/27.9	18		168885	2000 <i>WO</i> ₇₆		6 28.1 199°89	0°9/28.2	17	
5 21	19 2.35	-28 6.7	1.590	2.423	16.8	19.9	5 21	18 59.68	-21 51.8	1.696	2.526	16.1	20.8
5 31	18 57.02	-28 17.2	1.519	2.432	13.2	19.7	5 31	18 54.77	-21 38.3	1.613	2.524	12.6	20.6
6 10	18 48.67	-28 25.5	1.469	2.440	9.0	19.5	6 10	18 47.13	-21 26.6	1.550	2.522	8.6	20.3
6 20	18 38.06	-28 28.1	1.443	2.448	4.5	19.2	6 20	18 37.40	-21 15.7	1.512	2.519	4.0	20.1
6 30	18 26.43	-28 22.2	1.442	2.456	2.3	19.1	6 30	18 26.63	-21 4.8	1.500	2.515	1.3	19.9
7 10	18 15.25	-28 7.3	1.468	2.463	6.2	19.4	7 10	18 16.08	-20 53.6	1.514	2.512	5.8	20.2
7 20	18 5.80	-27 45.2	1.519	2.470	10.6	19.6	7 20	18 6.94	-20 42.8	1.554	2.507	10.2	20.4
7 30	17 59.06	-27 18.8	1.592	2.476	14.4	19.9	7 30	18 0.18	-20 33.5	1.617	2.503	14.2	20.6
498867	2008 <i>YA</i> ₈₁		6 28.1 198°48	0°5/28.0	17		435780	2008 <i>UC</i> ₃₁₀		6 28.1 148°60	2°3/28.1	18	
5 21	19 0.40	-22 20.9	1.636	2.468	16.5	22.3	5 21	18 57.19	-18 21.7	2.152	2.967	13.6	21.0
5 31	18 55.59	-22 51.1	1.553	2.466	13.0	22.1	5 31	18 52.07	-17 46.1	2.072	2.973	10.7	20.8
6 10	18 47.85	-23 26.3	1.491	2.463	8.8	21.8	6 10	18 44.89	-17 13.0	2.014	2.979	7.4	20.6
6 20	18 37.79	-24 3.5	1.453	2.460	4.0	21.5	6 20	18 36.24	-16 43.1	1.982	2.984	4.0	20.4
6 30	18 26.48	-24 38.8	1.441	2.457	1.1	21.3	6 30	18 26.92	-16 16.9	1.978	2.989	2.5	20.3
7 10	18 15.29	-25 9.4	1.455	2.452	6.0	21.6	7 10	18 17.87	-15 55.2	2.002	2.994	5.2	20.5
7 20	18 5.54	-25 33.9	1.495	2.448	10.6	21.9	7 20	18 9.93	-15 38.5	2.052	2.998	8.6	20.7
7 30	17 58.29	-25 52.8	1.557	2.442	14.6	22.1	7 30	18 3.78	-15 27.1	2.127	3.002	11.7	20.9
507756	2013 <i>YG</i> ₅₃		6 28.1 170°29	2°2/28.7	18		173644	2001 <i>FC</i> ₁₆₁		6 28.1 70°46	2°0/27.7	17	
5 21	18 55.86	-14 46.1	2.179	2.990	13.6	21.9	5 21	18 59.31	-24 46.4	1.444	2.288	17.7	19.7
5 31	18 51.14	-15 5.3	2.095	2.993	10.8	21.7	5 31	18 54.91	-25 35.6	1.383	2.302	13.8	19.5
6 10	18 44.36	-15 32.7	2.033	2.995	7.5	21.5	6 10	18 47.41	-26 28.3	1.341	2.316	9.3	19.3
6 20	18 36.04	-16 7.6	1.996	2.997	4.1	21.3	6 20	18 37.56	-27 19.5	1.323	2.330	4.5	19.0
6 30	18 26.92	-16 48.3	1.986	2.998	2.3	21.1	6 30	18 26.62	-28 4.2	1.330	2.344	2.3	18.9
7 10	18 17.91	-17 32.5	2.005	2.999	5.0	21.3	7 10	18 16.07	-28 38.8	1.362	2.358	6.5	19.2
7 20	18 9.88	-18 18.1	2.051	3.000	8.4	21.5	7 20	18 7.27	-29 2.7	1.419	2.372	11.0	19.5
7 30	18 3.56	-19 3.5	2.122	3.000	11.6	21.7	7 30	18 1.24	-29 17.3	1.497	2.386	14.9	19.8
439674	2014 <i>HT</i> ₁₈₇		6 28.1 286°60	0°7/28.3	18		284056	2005 <i>CS</i> ₁₈		6 28.1 78°00	4°0/28.9	18	
5 21	18 54.10	-18 6.5	2.221	3.041	13.1	20.4	5 21	18 54.49	-11 25.7	1.899	2.714	15.2	20.6
5 31	18 49.98	-18 46.7	2.121	3.027	10.3	20.2	5 31	18 50.22	-11 23.8	1.828	2.725	12.2	20.4
6 10	18 43.75	-19 34.7	2.043	3.012	7.0	20.0	6 10	18 43.79	-11 32.6	1.778	2.736	8.8	20.2
6 20	18 35.84	-20 28.8	1.991	2.997	3.3	19.7	6 20	18 35.79	-11 52.5	1.752	2.746	5.5	20.1
6 30	18 26.95	-21 26.2	1.967	2.983	1.0	19.5	6 30	18 27.04	-12 22.6	1.752	2.757	4.0	20.0
7 10	18 18.00	-22 23.8	1.971	2.968	4.7	19.7	7 10	18 18.54	-13 1.0	1.779	2.768	6.1	20.1
7 20	18 9.89	-23 19.2	2.002	2.953	8.4	19.9	7 20	18 11.17	-13 45.4	1.832	2.779	9.4	20.4
7 30	18 3.46	-24 10.7	2.058	2.939	11.8	20.1	7 30	18 5.68	-14 33.2	1.908	2.789	12.5	20.6
304763	2007 <i>CQ</i> ₂₅		6 28.1 120°15	1°6/28.4	18		469969	2006 <i>DO</i> ₁₂₀		6 28.1 110°55	2°6/28.8	18	
5 21	18 53.26	-17 9.8	2.466	3.280	12.1	21.7	5 21	18 57.36	-13 30.5	2.081	2.889	14.3	21.4
5 31	18 48.84	-17 17.6	2.386	3.287	9.5	21.5	5 31	18 52.24	-13 52.8	2.011	2.906	11.3	21.2
6 10	18 42.66	-17 30.7	2.329	3.294	6.5	21.3	6 10	18 45.04	-14 24.6	1.963	2.923	7.9	21.1
6 20	18 35.20	-17 48.2	2.298	3.301	3.4	21.1	6 20	18 36.33	-15 4.6	1.940	2.939	4.4	20.9
6 30	18 27.14	-18 9.0	2.294	3.308	1.7	21.0	6 30	18 26.92	-15 50.9	1.945	2.955	2.6	20.8
7 10	18 19.23	-18 32.1	2.319	3.314	4.3	21.2	7 10	18 17.76	-16 41.0	1.978	2.971	5.1	21.0
7 20	18 12.20	-18 56.3	2.372	3.321	7.4	21.4	7 20	18 9.70	-17 32.3	2.038	2.986	8.5	21.2
7 30	18 6.66	-19 20.8	2.449	3.327	10.2	21.6	7 30	18 3.46	-18 22.9	2.123	3.001	11.6	21.4
62414	2000 <i>SV</i> ₁₇₉		6 28.1 318°38	6°1/27.5	18		60871	2000 <i>HE</i> ₈₃		6 28.1 235°92	0°1/28.1	17	
5 21	18 56.19	-33 7.1	1.223	2.082	19.3	18.5	5 21	18 59.16	-22 29.7	1.482	2.323	17.5	19.7
5 31	18 53.77	-33 55.8	1.141	2.065	15.6	18.2	5 31	18 54.92	-22 40.8	1.399	2.317	13.8	19.4
6 10	18 47.48	-34 41.3	1.078	2.049	11.4	17.9	6 10	18 47.57	-22 56.0	1.337	2.311	9.3	19.2
6 20	18 37.92	-35 16.1	1.035	2.034	7.5	17.7	6 20	18 37.75	-23 12.7	1.297	2.304	4.3	18.9
6 30	18 26.44	-35 32.8	1.014	2.019	6.3	17.5	6 30	18 26.59	-23 28.1	1.282	2.298	1.0	18.6
7 10	18 15.02	-35 27.8	1.016	2.004	9.5	17.7	7 10	18 15.57	-23 40.3	1.292	2.291	6.3	18.9
7 20	18 5.59	-35 2.4	1.038	1.991	14.1	17.9	7 20	18 6.10	-23 48.9	1.327	2.284	11.3	19.2
7 30	17 59.66	-34 22.1	1.080	1.978	18.6	18.1	7 30	17 59.32	-23 54.6	1.383	2.276	15.6	19.4
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EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
509813	2008 <i>VM</i> ₄₈	6 28.1 260°23 0°3/28.1 17					410775	2009 <i>EG</i> ₁₉	6 28.1 78°19 6°4/29.2 17				
5 21	18 56.25	-22 16.2	2.027	2.853	14.0	22.4	5 21	18 56.10	-8 46.9	1.416	2.242	18.9	21.3
5 31	18 51.85	-22 19.1	1.929	2.839	11.0	22.2	5 31	18 52.27	-8 24.6	1.345	2.245	15.5	21.1
6 10	18 45.10	-22 24.4	1.853	2.824	7.4	21.9	6 10	18 45.61	-8 17.7	1.293	2.248	11.6	20.8
6 20	18 36.51	-22 30.6	1.801	2.808	3.5	21.7	6 20	18 36.79	-8 28.5	1.262	2.251	8.0	20.6
6 30	18 26.89	-22 36.3	1.777	2.793	0.8	21.4	6 30	18 26.88	-8 57.3	1.255	2.254	6.4	20.5
7 10	18 17.31	-22 40.4	1.779	2.777	5.1	21.7	7 10	18 17.21	-9 42.2	1.272	2.257	8.5	20.7
7 20	18 8.78	-22 42.8	1.808	2.761	9.1	21.9	7 20	18 9.01	-10 39.3	1.312	2.260	12.2	20.9
7 30	18 2.18	-22 44.0	1.861	2.744	12.7	22.1	7 30	18 3.28	-11 44.2	1.374	2.263	16.0	21.1
295704	2008 <i>TZ</i> ₁₈₉	6 28.1 281°45 1°6/27.9 18 R					261492	2005 <i>WB</i> ₈	6 28.1 190°53 2°0/27.5 18				
5 21	18 56.95	-27 3.0	1.880	2.712	14.7	20.9	5 21	18 55.51	-27 45.9	2.915	3.725	10.6	21.1
5 31	18 52.72	-27 11.2	1.781	2.694	11.6	20.6	5 31	18 50.57	-28 31.1	2.824	3.724	8.3	21.0
6 10	18 45.87	-27 18.5	1.703	2.675	7.9	20.4	6 10	18 43.88	-29 16.7	2.758	3.722	5.7	20.8
6 20	18 36.91	-27 22.3	1.650	2.656	3.9	20.1	6 20	18 35.85	-29 59.9	2.718	3.720	3.0	20.6
6 30	18 26.79	-27 20.3	1.623	2.637	1.8	19.9	6 30	18 27.11	-30 38.0	2.708	3.718	2.1	20.6
7 10	18 16.70	-27 11.3	1.622	2.618	5.7	20.1	7 10	18 18.41	-31 9.2	2.727	3.715	4.3	20.7
7 20	18 7.80	-27 56.1	1.647	2.599	9.8	20.3	7 20	18 10.46	-31 32.9	2.775	3.712	7.0	20.9
7 30	18 1.09	-26 36.6	1.695	2.580	13.7	20.5	7 30	18 3.93	-31 49.5	2.848	3.709	9.5	21.0
478634	2012 <i>TG</i> ₁₉₀	6 28.1 300°55 6°1/28.1 16					162101	1998 <i>QR</i> ₈₅	6 28.1 294°99 5°7/28.4 18				
5 21	18 53.78	-10 42.2	1.799	2.618	15.8	20.9	5 21	18 53.12	-10 23.6	1.838	2.655	15.5	20.2
5 31	18 49.96	-9 40.4	1.712	2.607	13.0	20.7	5 31	18 49.51	-9 39.6	1.743	2.638	12.8	20.0
6 10	18 43.82	-8 46.0	1.645	2.596	9.8	20.5	6 10	18 43.58	-9 4.3	1.668	2.620	9.7	19.7
6 20	18 35.90	-8 2.2	1.601	2.586	7.1	20.3	6 20	18 35.84	-8 40.1	1.617	2.603	6.8	19.5
6 30	18 27.05	-7 31.6	1.582	2.575	6.2	20.2	6 30	18 27.10	-8 29.0	1.590	2.586	5.8	19.4
7 10	18 18.31	-7 15.8	1.589	2.565	8.1	20.3	7 10	18 18.36	-8 31.8	1.589	2.569	7.7	19.5
7 20	18 10.67	-7 14.7	1.620	2.555	11.2	20.5	7 20	18 10.65	-8 47.6	1.613	2.553	11.0	19.7
7 30	18 4.99	-7 26.8	1.673	2.546	14.4	20.7	7 30	18 4.83	-9 14.6	1.659	2.536	14.3	19.8
483192	2015 <i>PL</i> ₂₁₈	6 28.1 247°71 6°4/28.6 18					263590	2008 <i>FY</i> ₁₁₀	6 28.1 346°56 6°7/28.4 18				
5 21	18 51.24	-3 39.3	2.637	3.412	12.5	21.9	5 21	18 51.62	-5 47.4	2.212	3.006	14.0	20.7
5 31	18 47.18	-2 50.5	2.546	3.404	10.5	21.8	5 31	18 47.75	-4 47.2	2.131	3.004	11.7	20.5
6 10	18 41.55	-2 11.5	2.477	3.396	8.5	21.6	6 10	18 42.05	-3 57.0	2.071	3.002	9.3	20.4
6 20	18 34.74	-1 44.7	2.433	3.388	6.9	21.5	6 20	18 35.02	-3 19.5	2.035	3.000	7.4	20.3
6 30	18 27.34	-1 31.8	2.414	3.380	6.4	21.4	6 30	18 27.33	-2 57.1	2.025	2.999	6.8	20.2
7 10	18 20.02	-1 33.2	2.422	3.371	7.3	21.5	7 10	18 19.78	-2 50.6	2.040	2.998	7.9	20.3
7 20	18 13.40	-1 48.3	2.456	3.363	9.1	21.6	7 20	18 13.13	-2 59.1	2.080	2.997	10.1	20.4
7 30	18 8.08	-2 15.2	2.513	3.354	11.2	21.7	7 30	18 8.02	-3 20.8	2.143	2.996	12.5	20.6
323774	2005 <i>QJ</i> ₃₉	6 28.1 359°40 9°9/28.5 17					43731	1979 <i>ML</i> ₅	6 28.1 267°66 2°8/28.5 18				
5 21	18 54.00	-41 20.3	1.046	1.910	21.5	19.3	5 21	18 54.28	-15 37.8	2.041	2.861	14.1	20.1
5 31	18 52.66	-42 3.1	0.986	1.905	18.0	19.0	5 31	18 50.20	-15 26.3	1.945	2.848	11.2	19.9
6 10	18 46.89	-42 29.4	0.942	1.902	14.3	18.8	6 10	18 43.93	-15 21.1	1.871	2.835	7.9	19.7
6 20	18 37.61	-42 30.2	0.916	1.900	11.1	18.6	6 20	18 35.97	-15 22.5	1.822	2.822	4.5	19.4
6 30	18 26.68	-41 58.5	0.910	1.901	10.0	18.5	6 30	18 27.09	-15 30.2	1.799	2.809	2.9	19.3
7 10	18 16.46	-40 54.5	0.924	1.903	11.9	18.6	7 10	18 18.26	-15 43.6	1.803	2.796	5.6	19.5
7 20	18 8.91	-39 25.3	0.958	1.907	15.4	18.9	7 20	18 10.39	-16 1.8	1.833	2.782	9.2	19.7
7 30	18 5.31	-37 41.4	1.010	1.913	19.2	19.1	7 30	18 4.31	-16 23.8	1.886	2.768	12.6	19.8
56728	2000 <i>NZ</i> ₁₃	6 28.1 304°94 2°5/28.0 18					155366	4557 <i>T</i> ₃	6 28.1 302°36 0°6/28.2 18				
5 21	18 56.51	-30 41.2	2.056	2.883	13.8	19.2	5 21	18 55.85	-20 41.9	1.630	2.469	16.2	20.1
5 31	18 52.04	-30 45.4	1.968	2.876	10.9	18.9	5 31	18 51.99	-20 53.8	1.548	2.465	12.8	19.9
6 10	18 45.17	-30 45.5	1.902	2.870	7.6	18.7	6 10	18 45.42	-21 10.9	1.487	2.460	8.6	19.6
6 20	18 36.50	-30 38.9	1.861	2.863	4.1	18.5	6 20	18 36.73	-21 31.6	1.448	2.456	4.0	19.3
6 30	18 26.94	-30 23.6	1.846	2.857	2.7	18.4	6 30	18 26.92	-21 53.5	1.435	2.452	1.1	19.1
7 10	18 17.60	-29 59.5	1.858	2.850	5.5	18.6	7 10	18 17.26	-22 14.7	1.449	2.447	5.8	19.4
7 20	18 9.48	-29 28.0	1.896	2.844	9.0	18.8	7 20	18 8.93	-22 34.0	1.486	2.443	10.3	19.7
7 30	18 3.43	-28 51.8	1.958	2.838	12.3	19.0	7 30	18 2.93	-22 51.4	1.547	2.440	14.3	19.9
312850	2011 <i>UQ</i> ₈₄	6 28.1 178°39 3°6/28.2 18					393812	2005 <i>QV</i> ₁₇₄	6 28.1 3°48 9°3/30.1 16				
5 21	18 54.11	-13 44.7	2.562	3.365	12.0	20.6	5 21	18 51.36	+ 2 57.0	2.146	2.905	15.4	21.1
5 31	18 49.39	-13 0.6	2.476	3.366	9.6	20.4	5 31	18 47.62	+ 3 43.1	2.070	2.905	13.5	21.0
6 10	18 42.99	-12 21.0	2.413	3.367	7.0	20.3	6 10	18 42.02	+ 4 12.2	2.012	2.905	11.5	20.8
6 20	18 35.39	-11 47.0	2.375	3.367	4.5	20.1	6 20	18 35.03	+ 4 21.1	1.977	2.905	9.9	20.7
6 30	18 27.22	-11 19.8	2.366	3.367	3.6	20.0	6 30	18 27.37	+ 4 7.5	1.965	2.905	9.3	20.7
7 10	18 19.21	-11 0.1	2.385	3.367	5.3	20.2	7 10	18 19.83	+ 3 31.9	1.977	2.906	9.9	20.7
7 20	18 12.05	-10 48.2	2.431	3.367	8.0	20.3	7 20	18 13.21	+ 2 36.7	2.013	2.906	11.5	20.8
7 30	18 6.32	-10 43.5	2.502	3.366	10.5	20.5	7 30	18 8.14	+ 1 26.1	2.071	2.907	13.5	21.0
382904	2004 <i>RT</i> ₈₁	6 28.1 230°81 1°8/28.3 17					371371	2006 <i>QS</i> ₄₇	6 28.1 338°63 8°6/27.2 17				
5 21	18 56.82	-18 2.5	2.304	3.116	12.9	22.4	5 21	18 47.20	-35 25.0	0.961	1.847	21.2	20.0
5 31	18 51.92	-17 54.9	2.203	3.103	10.2	22.2	5 31	18 47.66	-36 28.0	0.886	1.823	17.5	19.7
6 10	18 44.95	-17 51.3	2.124	3.089	7.1	22.0	6 10	18 43.95	-37 25.5	0.826	1.801	13.3	19.3
6 20	18 36.39	-17 51.5	2.072	3.075	3.7	21.8	6 20	18 36.56	-38 8.1	0.785	1.781	9.7	19.1
6 30	18 26.97	-17 54.9	2.047	3.060	1.9	21.6	6 30	18 26.94	-38 26.0	0.762	1.763	8.8	18.9
7 10	18 17.57	-18 0.8	2.050	3.044	4.9	21.8	7 10	18 17.36	-38 14.2	0.758	1.747	11.8	19.0
7 20	18 9.07	-18 8.8	2.081	3.028	8.4	22.0	7 20	18 10.04	-37 34.2	0.773	1.733	16.4	19.2
7 30	18 2.24	-18 18.8	2.137	3.012	11.6	22.2	7 30	18 6.75	-36 33.0	0.803	1.722	21.1	19.4
377598	2005 <i>QW</i> ₁₂₃	6 28.1 238°14 1°1/28.3 18					242899	2006 <i>KY</i> ₁₀₇	6 28.1 176°96 4°8/27.3 17				
5 21	18 57.79	-19 52.1	2.043	2.863	14.1	22.2	5 21	18 59.92	-34 30.1	2.099	2.916	13.9	21.0
5 31	18 53.01	-19 51.8	1.944	2.849	11.1								

EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
38402	1999 <i>RP</i> ₁₉₇		6 28.1 298°94	2.6/28.3	18		490001	2008 <i>SZ</i> ₂₀₁		6 28.1 157°12	0.9/28.3	17	
5 21	18 53.22	-17 12.5	2.206	3.027	13.2	19.1	5 21	18 56.93	-20 39.4	2.276	3.092	13.0	22.5
5 31	18 49.12	-16 43.0	2.116	3.020	10.4	18.9	5 31	18 51.89	-20 34.7	2.194	3.098	10.1	22.3
6 10	18 43.06	-16 17.2	2.048	3.013	7.3	18.7	6 10	18 44.85	-20 32.6	2.135	3.103	6.8	22.1
6 20	18 35.53	-15 55.5	2.006	3.007	4.1	18.5	6 20	18 36.35	-20 32.2	2.102	3.108	3.3	21.9
6 30	18 27.28	-15 38.5	1.990	3.000	2.6	18.4	6 30	18 27.16	-20 32.5	2.097	3.113	1.1	21.7
7 10	18 19.16	-15 26.5	2.002	2.994	5.2	18.5	7 10	18 18.18	-20 33.2	2.120	3.117	4.5	22.0
7 20	18 11.99	-15 19.6	2.040	2.988	8.5	18.7	7 20	18 10.22	-20 34.0	2.171	3.120	8.0	22.2
7 30	18 6.46	-15 17.8	2.102	2.982	11.6	18.9	7 30	18 4.00	-20 35.4	2.246	3.124	11.1	22.4
188170	2002 <i>GQ</i> ₁₇₉		6 28.1 315°86	3.0/27.2	18		520361	2014 <i>HR</i> ₇		6 28.1 70°91	5.0/26.9	17	
5 21	18 55.21	-28 6.5	2.195	3.021	13.0	19.7	5 21	18 57.86	-34 53.3	2.168	2.986	13.5	21.4
5 31	18 51.07	-29 11.2	2.106	3.014	10.3	19.5	5 31	18 53.22	-35 57.3	2.093	2.990	10.8	21.3
6 10	18 44.63	-30 17.8	2.040	3.007	7.1	19.3	6 10	18 46.09	-36 57.5	2.039	2.994	8.0	21.1
6 20	18 36.36	-31 22.0	1.999	3.000	4.1	19.1	6 20	18 37.04	-37 48.8	2.011	2.998	5.7	21.0
6 30	18 27.07	-32 19.6	1.986	2.993	3.2	19.0	6 30	18 27.00	-38 26.7	2.009	3.002	5.2	20.9
7 10	18 17.75	-33 7.0	2.000	2.987	5.8	19.1	7 10	18 17.09	-38 48.8	2.034	3.006	7.0	21.0
7 20	18 9.42	-33 42.9	2.041	2.980	9.0	19.3	7 20	18 8.42	-38 55.4	2.085	3.010	9.7	21.2
7 30	18 2.97	-34 7.9	2.106	2.974	12.1	19.5	7 30	18 1.86	-38 49.0	2.159	3.014	12.3	21.4
151452	2002 <i>GX</i> ₁₀₁		6 28.1 113°01	5.9/29.5	18		98919	2001 <i>BN</i> ₇₄		6 28.2 276°62	1.2/28.3	18	
5 21	18 52.14	- 3 7.3	2.659	3.429	12.5	20.5	5 21	18 55.38	-19 57.0	1.870	2.700	14.8	19.8
5 31	18 47.75	- 2 40.1	2.587	3.443	10.5	20.4	5 31	18 51.23	-19 52.9	1.787	2.698	11.6	19.6
6 10	18 41.85	- 2 24.4	2.537	3.456	8.4	20.3	6 10	18 44.70	-19 52.8	1.725	2.695	7.9	19.4
6 20	18 34.89	- 2 21.5	2.511	3.468	6.6	20.2	6 20	18 36.38	-19 55.9	1.687	2.693	3.8	19.1
6 30	18 27.45	- 2 32.3	2.511	3.481	5.9	20.2	6 30	18 27.15	-20 1.1	1.675	2.690	1.4	19.0
7 10	18 20.18	- 2 56.1	2.539	3.493	6.7	20.2	7 10	18 18.09	-20 7.6	1.690	2.688	5.3	19.2
7 20	18 13.70	- 3 31.2	2.592	3.505	8.5	20.4	7 20	18 10.21	-20 14.9	1.731	2.685	9.3	19.5
7 30	18 8.52	- 4 15.3	2.670	3.517	10.5	20.5	7 30	18 4.34	-20 23.0	1.795	2.682	12.9	19.7
263213	2008 <i>AX</i> ₂₇		6 28.1 212°14	0.8/28.0	17		250355	2003 <i>SK</i> ₂₅₀		6 28.2 243°21	13.8/27.4	18	
5 21	18 59.76	-24 19.1	1.885	2.711	14.9	21.5	5 21	18 56.30	+ 8 20.4	1.860	2.592	18.3	20.3
5 31	18 54.78	-24 36.7	1.796	2.705	11.7	21.2	5 31	18 51.96	+10 12.3	1.778	2.579	16.7	20.1
6 10	18 47.18	-24 56.3	1.728	2.699	7.9	21.0	6 10	18 45.25	+11 46.1	1.715	2.566	15.2	20.0
6 20	18 37.54	-25 15.1	1.685	2.692	3.7	20.7	6 20	18 36.69	+12 54.5	1.671	2.551	14.1	19.9
6 30	18 26.81	-25 30.5	1.669	2.684	1.2	20.5	6 30	18 27.07	+13 31.4	1.648	2.537	13.9	19.8
7 10	18 16.18	-25 40.9	1.680	2.676	5.4	20.8	7 10	18 17.45	+13 34.2	1.647	2.522	14.6	19.8
7 20	18 6.80	-25 45.9	1.717	2.668	9.6	21.0	7 20	18 8.85	+13 3.9	1.666	2.506	16.1	19.9
7 30	17 59.62	-25 46.8	1.778	2.659	13.3	21.2	7 30	18 2.16	+12 5.1	1.704	2.490	17.9	20.0
158424	2002 <i>AY</i> ₁₈₆		6 28.1 217°82	2.1/27.8	18		123322	2000 <i>VS</i> ₁₉		6 28.2 297°70	5.8/28.4	17	
5 21	18 58.92	-27 40.3	2.111	2.933	13.7	21.1	5 21	18 54.72	-11 25.2	1.678	2.501	16.5	19.5
5 31	18 53.94	-28 9.4	2.020	2.926	10.7	20.9	5 31	18 50.76	-10 31.7	1.604	2.503	13.4	19.3
6 10	18 46.52	-28 38.4	1.951	2.918	7.4	20.7	6 10	18 44.38	- 9 46.9	1.550	2.505	10.0	19.1
6 20	18 37.22	-29 4.1	1.906	2.910	3.8	20.5	6 20	18 36.22	- 9 13.7	1.519	2.508	6.9	18.9
6 30	18 26.90	-29 23.3	1.890	2.902	2.3	20.4	6 30	18 27.21	- 8 53.9	1.513	2.511	5.8	18.9
7 10	18 16.67	-29 34.4	1.901	2.893	5.4	20.5	7 10	18 18.44	- 8 48.2	1.533	2.514	7.8	19.0
7 20	18 7.56	-29 37.1	1.939	2.884	9.0	20.7	7 20	18 10.95	- 8 55.9	1.576	2.517	11.1	19.2
7 30	18 0.47	-29 33.0	2.000	2.874	12.4	20.9	7 30	18 5.54	- 9 15.0	1.642	2.520	14.4	19.4
473010	2015 <i>HX</i> ₄₀		6 28.1 144°03	0.4/28.2	18		230923	2004 <i>TL</i> ₃₅₇		6 28.2 306°55	5.1/29.5	16	
5 21	18 57.06	-21 19.0	2.044	2.867	14.0	21.4	5 21	18 53.82	- 8 39.7	1.649	2.468	17.0	19.8
5 31	18 52.26	-21 30.4	1.965	2.873	10.9	21.2	5 31	18 50.42	- 8 53.7	1.557	2.453	13.9	19.6
6 10	18 45.24	-21 45.2	1.909	2.879	7.3	21.0	6 10	18 44.46	- 9 24.6	1.484	2.439	10.4	19.4
6 20	18 36.56	-22 1.8	1.877	2.884	3.4	20.8	6 20	18 36.40	-10 13.2	1.433	2.425	6.8	19.1
6 30	18 27.08	-22 18.2	1.873	2.889	0.8	20.6	6 30	18 27.13	-11 18.6	1.407	2.411	5.1	19.0
7 10	18 17.81	-22 33.3	1.897	2.894	4.8	20.9	7 10	18 17.79	-12 37.4	1.407	2.397	7.2	19.1
7 20	18 9.68	-22 46.4	1.947	2.899	8.6	21.1	7 20	18 9.54	-14 4.7	1.432	2.384	11.0	19.3
7 30	18 3.47	-22 57.6	2.021	2.903	11.9	21.4	7 30	18 3.40	-15 35.5	1.480	2.371	14.9	19.5
128457	2004 <i>NW</i> ₂₈		6 28.1 41°81	6.9/30.0	18		246156	2007 <i>PF</i> ₃₅		6 28.2 311°60	4.7/28.7	17	
5 21	18 54.52	- 4 50.4	1.624	2.430	17.7	19.7	5 21	18 52.23	-14 14.3	1.193	2.051	19.8	20.2
5 31	18 50.70	- 4 45.1	1.551	2.434	14.7	19.5	5 31	18 50.28	-13 55.3	1.103	2.026	16.1	19.9
6 10	18 44.42	- 4 58.2	1.497	2.438	11.4	19.3	6 10	18 45.02	-13 48.1	1.029	2.001	11.7	19.6
6 20	18 36.26	- 5 31.3	1.464	2.442	8.4	19.1	6 20	18 36.90	-13 54.7	0.976	1.977	7.0	19.2
6 30	18 27.15	- 6 24.3	1.456	2.447	6.9	19.1	6 30	18 26.99	-14 15.8	0.944	1.954	4.8	19.0
7 10	18 18.24	- 7 34.2	1.473	2.451	8.3	19.2	7 10	18 16.85	-14 50.3	0.934	1.931	8.4	19.2
7 20	18 10.57	- 8 56.4	1.515	2.456	11.4	19.4	7 20	18 8.15	-15 35.3	0.946	1.909	13.8	19.4
7 30	18 5.02	-10 25.3	1.579	2.461	14.6	19.6	7 30	18 2.32	-16 27.6	0.976	1.888	18.9	19.6
218940	2008 <i>CH</i> ₁₅₆		6 28.1 350°80	1.9/27.9	17		325777	2010 <i>OE</i> ₂₉		6 28.2 257°58	3.1/28.6	17	
5 21	18 49.76	-25 9.4	1.083	1.962	19.9	19.6	5 21	18 56.73	-15 15.2	1.614	2.444	16.8	21.3
5 31	18 48.59	-25 35.8	1.013	1.952	15.7	19.3	5 31	18 52.75	-15 12.4	1.526	2.434	13.4	21.0
6 10	18 43.88	-26 5.7	0.961	1.944	10.7	19.0	6 10	18 46.03	-15 18.9	1.457	2.423	9.5	20.8
6 20	18 36.29	-26 35.1	0.929	1.938	5.2	18.7	6 20	18 37.12	-15 34.7	1.411	2.412	5.3	20.5
6 30	18 27.13	-26 59.6	0.918	1.933	2.3	18.5	6 30	18 26.98	-15 59.0	1.390	2.401	3.2	20.3
7 10	18 18.20	-27 16.0	0.928	1.930	7.5	18.8	7 10	18 16.87	-16 29.9	1.395	2.390	6.5	20.5
7 20	18 11.16	-27 23.5	0.960	1.928	13.0	19.1	7 20	18 8.01	-17 5.4	1.424	2.378	10.9	20.7
7 30	18 7.31	-27 23.7	1.009	1.928	17.8	19.4	7 30	18 1.45	-17 43.6	1.476	2.367	15.0	20.9
510637	2012 <i>TB</i> ₂₀₈		6 28.1 243°69	2.2/27.9									

EPHEMERIDES

6 28.2

6 28.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
394774	2008 <i>GG</i> ₈₀		6 28.2 121°82	8°9/30.7	18		215828	2005 <i>AX</i> ₅₃		6 28.2 167°73	0°7/28.2	17	
5 21	18 52.80	+ 9 56.2	3.006	3.696	12.8	21.6	5 21	19 0.89	-21 7.5	1.922	2.741	14.9	21.8
5 31	18 48.07	+10 48.0	2.945	3.715	11.5	21.5	5 31	18 55.40	-21 8.5	1.841	2.746	11.7	21.6
6 10	18 41.98	+11 24.3	2.904	3.733	10.2	21.4	6 10	18 47.44	-21 12.4	1.782	2.751	7.9	21.4
6 20	18 34.96	+11 42.4	2.884	3.750	9.3	21.4	6 20	18 37.64	-21 18.0	1.748	2.754	3.7	21.2
6 30	18 27.52	+11 40.8	2.888	3.767	8.9	21.4	6 30	18 26.94	-21 23.6	1.742	2.757	1.0	21.0
7 10	18 20.27	+11 19.6	2.917	3.784	9.2	21.4	7 10	18 16.48	-21 28.4	1.763	2.760	5.2	21.3
7 20	18 13.74	+10 40.7	2.969	3.800	10.0	21.5	7 20	18 7.30	-21 32.1	1.811	2.761	9.2	21.5
7 30	18 8.39	+ 9 47.0	3.044	3.815	11.1	21.6	7 30	18 0.24	-21 35.4	1.883	2.762	12.8	21.7
182247	2001 <i>FP</i> ₅₂		6 28.2 95°78	1°6/28.0	17		343495	2010 <i>EH</i> ₁₀₂		6 28.2 305°40	3°3/27.9	17	
5 21	19 1.00	-25 56.0	1.587	2.422	16.8	20.8	5 21	18 57.75	-31 2.8	1.865	2.695	14.8	20.8
5 31	18 55.92	-26 16.2	1.524	2.438	13.1	20.6	5 31	18 53.34	-31 26.1	1.783	2.692	11.8	20.6
6 10	18 47.96	-26 36.8	1.481	2.453	8.8	20.4	6 10	18 46.28	-31 46.1	1.722	2.689	8.2	20.4
6 20	18 37.87	-26 54.3	1.462	2.468	4.2	20.2	6 20	18 37.17	-31 59.0	1.686	2.687	4.7	20.2
6 30	18 26.86	-27 5.6	1.469	2.483	1.8	20.0	6 30	18 27.05	-32 1.7	1.675	2.684	3.4	20.1
7 10	18 16.30	-27 9.5	1.502	2.498	6.0	20.3	7 10	18 17.14	-31 53.0	1.691	2.681	6.2	20.3
7 20	18 7.43	-27 6.5	1.560	2.512	10.2	20.6	7 20	18 8.62	-31 34.1	1.732	2.679	9.8	20.5
7 30	18 1.14	-26 58.8	1.640	2.526	14.0	20.9	7 30	18 2.39	-31 7.8	1.796	2.676	13.3	20.7
99132	2001 <i>FK</i> ₉₈		6 28.2 61°49	0°5/28.0	17		502894	2015 <i>DD</i> ₂₂₃		6 28.2 90°19	1°8/28.3	17	
5 21	18 56.70	-21 32.6	1.754	2.588	15.5	19.4	5 21	18 57.82	-18 54.5	1.861	2.686	15.1	21.4
5 31	18 52.35	-22 16.7	1.688	2.602	12.0	19.2	5 31	18 52.86	-18 40.0	1.796	2.704	11.8	21.2
6 10	18 45.49	-23 6.2	1.643	2.615	8.0	19.0	6 10	18 45.60	-18 29.7	1.753	2.721	8.0	21.1
6 20	18 36.75	-23 57.9	1.622	2.629	3.7	18.8	6 20	18 36.73	-18 23.1	1.734	2.738	4.0	20.9
6 30	18 27.11	-24 47.7	1.628	2.644	1.0	18.6	6 30	18 27.18	-18 19.9	1.741	2.755	2.0	20.7
7 10	18 17.74	-25 32.7	1.660	2.658	5.3	19.0	7 10	18 18.01	-18 19.5	1.776	2.772	5.3	21.0
7 20	18 9.71	-26 11.0	1.719	2.672	9.4	19.2	7 20	18 10.15	-18 21.6	1.837	2.789	9.0	21.3
7 30	18 3.89	-26 42.5	1.800	2.687	12.9	19.5	7 30	18 4.35	-18 26.3	1.922	2.805	12.4	21.5
60905	2000 <i>JP</i> ₂₉		6 28.2 32°07	3°7/27.8	18		350283	2012 <i>TD</i> ₂₅₆		6 28.2 214°11	1°9/27.8	17	
5 21	18 58.17	-28 38.9	1.139	2.002	20.2	18.5	5 21	18 57.07	-26 51.8	2.231	3.052	13.0	21.3
5 31	18 54.97	-29 15.5	1.080	2.009	15.9	18.2	5 31	18 52.35	-27 24.3	2.142	3.048	10.2	21.1
6 10	18 48.00	-29 51.3	1.039	2.016	11.0	18.0	6 10	18 45.40	-27 57.3	2.075	3.043	7.0	20.9
6 20	18 38.10	-30 20.3	1.018	2.023	5.9	17.7	6 20	18 36.74	-28 28.0	2.034	3.038	3.5	20.7
6 30	18 26.80	-30 37.2	1.019	2.031	3.9	17.6	6 30	18 27.16	-28 53.5	2.020	3.033	2.0	20.6
7 10	18 16.03	-30 39.5	1.044	2.040	8.0	17.9	7 10	18 17.67	-29 11.8	2.035	3.028	5.0	20.8
7 20	18 7.44	-30 28.9	1.090	2.049	12.9	18.2	7 20	18 9.21	-29 22.5	2.076	3.022	8.5	21.0
7 30	18 2.25	-30 9.3	1.156	2.059	17.3	18.5	7 30	18 2.60	-29 26.7	2.141	3.016	11.7	21.2
438022	2004 <i>BN</i> ₈		6 28.2 284°06	3°9/28.9	18		412064	2013 <i>EJ</i> ₈₀		6 28.2 18°98	7°3/27.5	17	
5 21	18 53.55	-11 37.7	1.988	2.802	14.6	21.2	5 21	18 59.12	-34 40.2	1.115	1.976	20.7	20.6
5 31	18 49.74	-11 36.6	1.891	2.787	11.9	20.9	5 31	18 56.21	-35 43.3	1.056	1.979	16.7	20.4
6 10	18 43.74	-11 46.0	1.815	2.772	8.6	20.7	6 10	18 49.15	-36 40.4	1.014	1.982	12.4	20.2
6 20	18 35.99	-12 6.6	1.763	2.757	5.4	20.5	6 20	18 38.76	-37 22.4	0.992	1.987	8.5	20.0
6 30	18 27.27	-12 37.9	1.737	2.742	4.0	20.4	6 30	18 26.71	-37 41.5	0.991	1.992	7.4	19.9
7 10	18 18.53	-13 18.4	1.738	2.727	6.1	20.5	7 10	18 15.19	-37 34.9	1.013	1.997	10.2	20.1
7 20	18 10.72	-14 5.8	1.764	2.712	9.6	20.6	7 20	18 6.11	-37 5.7	1.055	2.004	14.4	20.3
7 30	18 4.69	-14 57.6	1.814	2.697	13.0	20.8	7 30	18 0.79	-36 20.8	1.116	2.010	18.4	20.6
511595	2015 <i>AX</i> ₁₅₈		6 28.2 222°01	0°7/28.3	17		470877	2009 <i>BP</i> ₂₈		6 28.2 258°31	1°3/28.4	16	
5 21	18 59.34	-20 31.6	1.940	2.761	14.7	22.5	5 21	18 54.83	-18 7.5	2.014	2.839	14.1	21.9
5 31	18 54.38	-20 40.7	1.845	2.751	11.6	22.2	5 31	18 50.69	-18 22.8	1.927	2.834	11.1	21.7
6 10	18 46.91	-20 54.2	1.772	2.741	7.9	22.0	6 10	18 44.33	-18 44.6	1.861	2.829	7.6	21.5
6 20	18 37.47	-21 10.4	1.724	2.730	3.7	21.7	6 20	18 36.27	-19 11.5	1.819	2.825	3.8	21.2
6 30	18 26.94	-21 27.4	1.703	2.719	1.0	21.5	6 30	18 27.29	-19 41.9	1.805	2.820	1.5	21.0
7 10	18 16.44	-21 43.9	1.709	2.707	5.3	21.8	7 10	18 18.40	-20 13.8	1.818	2.815	5.0	21.3
7 20	18 7.07	-21 58.8	1.743	2.694	9.5	22.0	7 20	18 10.53	-20 45.6	1.857	2.810	8.8	21.5
7 30	17 59.77	-22 12.3	1.800	2.680	13.2	22.2	7 30	18 4.52	-21 16.4	1.920	2.805	12.3	21.7
510514	2012 <i>BB</i> ₉₅		6 28.2 212°05	4°3/27.7	18		432320	2009 <i>UE</i> ₃₂		6 28.2 164°69	3°1/28.4	17	
5 21	18 59.08	-39 4.9	3.105	3.894	10.5	22.5	5 21	18 57.38	-15 6.0	2.218	3.026	13.5	22.4
5 31	18 53.39	-39 28.0	3.010	3.887	8.5	22.3	5 31	18 52.25	-14 42.0	2.136	3.031	10.8	22.2
6 10	18 45.80	-39 44.5	2.939	3.879	6.5	22.2	6 10	18 45.12	-14 23.4	2.077	3.036	7.6	22.0
6 20	18 36.81	-39 51.4	2.894	3.871	4.8	22.1	6 20	18 36.53	-14 10.7	2.042	3.040	4.5	21.9
6 30	18 27.13	-39 46.4	2.877	3.862	4.3	22.0	6 30	18 27.25	-14 4.1	2.036	3.043	3.1	21.8
7 10	18 17.60	-39 28.9	2.888	3.853	5.5	22.1	7 10	18 18.17	-14 3.6	2.057	3.046	5.4	21.9
7 20	18 9.01	-39 0.1	2.927	3.843	7.5	22.2	7 20	18 10.11	-14 8.7	2.105	3.049	8.6	22.1
7 30	18 2.02	-38 22.2	2.991	3.833	9.6	22.3	7 30	18 3.77	-14 18.7	2.178	3.050	11.6	22.3
380007	2013 <i>JE</i> ₄₄		6 28.2 214°39	4°8/28.7	17		269092	2007 <i>HK</i> ₄₈		6 28.2 86°58	1°5/28.4	17	
5 21	18 58.13	-12 59.0	1.511	2.338	17.8	21.3	5 21	18 57.19	-18 51.0	1.749	2.579	15.7	21.0
5 31	18 53.87	-12 32.8	1.430	2.335	14.4	21.0	5 31	18 52.62	-18 51.2	1.682	2.592	12.3	20.8
6 10	18 46.77	-12 16.7	1.369	2.331	10.5	20.8	6 10	18 45.60	-18 56.9	1.635	2.605	8.3	20.6
6 20	18 37.45	-12 12.1	1.330	2.327	6.5	20.6	6 20	18 36.80	-19 6.8	1.612	2.617	4.1	20.4
6 30	18 26.96	-12 19.5	1.316	2.322	4.8	20.4	6 30	18 27.19	-19 19.8	1.615	2.630	1.7	20.3
7 10	18 16.63	-12 38.2	1.327	2.317	7.5	20.6	7 10	18 17.92	-19 34.5	1.645	2.642	5.4	20.5
7 20	18 7.70	-13 6.5	1.362	2.312	11.7	20.8	7 20	18 9.99	-19 50.1	1.700	2.655	9.4	20.8
7 30	18 1.20	-13 42.0	1.419	2.307	15.7	21.0	7 30	18 4.21	-20 6.1	1.779	2.667	13.0	21.0
33494	1999 <i>GZ</i> ₁₇		6 28.2 63°99	9°2/30.3	18		426885	20					

EPHEMERIDES

6 28.2

6 28.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
433605	2013 YX ₇₂		6 28.2	49°08	3°7/29.2	18	245116	2004 QY ₁₂		6 28.2	321°24	2°0/27.7	18
5 21	18 54.48	-11 31.2	1.749	2.570	16.1	20.5	5 21	18 54.13	-25 59.9	2.077	2.908	13.5	20.0
5 31	18 50.50	-11 46.6	1.680	2.581	12.9	20.3	5 31	18 50.30	-26 43.9	1.988	2.900	10.6	19.8
6 10	18 44.20	-12 14.6	1.632	2.592	9.2	20.1	6 10	18 44.17	-27 30.2	1.921	2.892	7.2	19.6
6 20	18 36.18	-12 54.8	1.607	2.604	5.5	20.0	6 20	18 36.25	-28 15.5	1.879	2.884	3.7	19.3
6 30	18 27.33	-13 45.3	1.608	2.616	3.7	19.9	6 30	18 27.33	-28 56.4	1.864	2.877	2.2	19.2
7 10	18 18.73	-14 43.0	1.635	2.628	6.1	20.0	7 10	18 18.45	-29 30.1	1.876	2.870	5.3	19.4
7 20	18 11.34	-15 44.6	1.688	2.641	9.6	20.3	7 20	18 10.59	-29 55.6	1.914	2.863	8.9	19.6
7 30	18 5.97	-16 46.9	1.765	2.653	13.0	20.5	7 30	18 4.64	-30 13.1	1.976	2.856	12.2	19.8
87165	2000 NF ₂₇		6 28.2	251°06	2°5/27.9	18	73918	1997 HA ₁₀		6 28.2	318°57	0°7/28.1	18
5 21	18 56.84	-30 25.7	2.291	3.112	12.8	19.1	5 21	18 53.42	-23 19.8	1.597	2.444	16.1	18.7
5 31	18 52.14	-30 39.2	2.199	3.104	10.1	18.9	5 31	18 50.45	-23 42.1	1.504	2.426	12.7	18.5
6 10	18 45.23	-30 49.6	2.130	3.095	7.0	18.7	6 10	18 44.68	-24 8.7	1.432	2.408	8.7	18.2
6 20	18 36.65	-30 54.4	2.086	3.087	3.9	18.5	6 20	18 36.62	-24 37.0	1.382	2.390	4.1	17.9
6 30	18 27.22	-30 51.3	2.069	3.079	2.6	18.4	6 30	18 27.23	-25 3.9	1.357	2.373	1.2	17.6
7 10	18 17.93	-30 39.6	2.079	3.070	5.2	18.6	7 10	18 17.80	-25 27.0	1.357	2.356	6.0	17.9
7 20	18 9.71	-30 20.2	2.117	3.061	8.4	18.7	7 20	18 9.63	-25 44.8	1.382	2.341	10.7	18.1
7 30	18 3.36	-29 55.1	2.178	3.053	11.5	18.9	7 30	18 3.84	-25 57.8	1.428	2.325	15.0	18.3
520093	2013 YR ₁₅₃		6 28.2	54°11	0°5/28.2	17	394756	2008 FS ₁₂₀		6 28.2	7°22	3°1/28.8	16
5 21	18 56.56	-25 4.7	1.862	2.695	14.8	21.2	5 21	18 51.28	-14 22.2	1.848	2.678	15.0	20.8
5 31	18 52.12	-24 58.4	1.787	2.700	11.5	21.0	5 31	18 48.00	-14 20.4	1.771	2.679	11.9	20.6
6 10	18 45.27	-24 51.8	1.734	2.706	7.7	20.8	6 10	18 42.54	-14 27.6	1.715	2.680	8.4	20.4
6 20	18 36.66	-24 43.1	1.705	2.712	3.6	20.6	6 20	18 35.44	-14 43.5	1.683	2.683	4.9	20.2
6 30	18 27.24	-24 31.4	1.702	2.718	0.9	20.4	6 30	18 27.53	-15 7.6	1.676	2.686	3.1	20.1
7 10	18 18.13	-24 16.4	1.726	2.724	5.1	20.7	7 10	18 19.79	-15 38.2	1.695	2.689	5.7	20.2
7 20	18 10.33	-23 59.2	1.776	2.731	9.1	20.9	7 20	18 13.14	-16 13.3	1.739	2.693	9.3	20.5
7 30	18 4.65	-23 41.2	1.850	2.737	12.6	21.2	7 30	18 8.36	-16 51.1	1.807	2.698	12.6	20.7
59993	1999 SL ₂₀		6 28.2	267°73	1°6/27.7	18	289339	2005 AD ₈₂		6 28.2	267°42	0°9/28.4	18
5 21	18 55.14	-25 15.9	2.430	3.250	12.1	18.6	5 21	18 55.29	-19 16.8	1.935	2.763	14.5	20.9
5 31	18 50.77	-26 1.3	2.330	3.236	9.5	18.4	5 31	18 51.20	-19 34.1	1.846	2.756	11.4	20.6
6 10	18 44.34	-26 49.4	2.254	3.223	6.5	18.2	6 10	18 44.78	-19 57.5	1.778	2.748	7.8	20.4
6 20	18 36.29	-27 37.4	2.204	3.209	3.2	18.0	6 20	18 36.53	-20 25.3	1.735	2.741	3.7	20.1
6 30	18 27.30	-28 22.0	2.182	3.196	1.8	17.8	6 30	18 27.28	-20 55.6	1.718	2.733	1.2	19.9
7 10	18 18.26	-29 0.9	2.189	3.182	4.7	18.0	7 10	18 18.10	-21 26.3	1.728	2.726	5.1	20.2
7 20	18 10.06	-29 32.5	2.223	3.168	8.1	18.2	7 20	18 9.99	-21 55.9	1.764	2.718	9.2	20.4
7 30	18 3.48	-29 57.1	2.282	3.154	11.1	18.4	7 30	18 3.82	-22 23.6	1.824	2.711	12.8	20.6
99974	1981 EJ ₆		6 28.2	208°57	5°7/28.7	18	512265	2016 EB ₁₈₁		6 28.2	347°17	6°3/28.5	17
5 21	18 52.55	-4 24.6	2.844	3.615	11.8	20.1	5 21	18 51.60	-13 0.7	1.164	2.022	20.2	20.6
5 31	18 48.12	-3 42.2	2.753	3.609	9.9	19.9	5 31	18 49.48	-12 8.8	1.093	2.015	16.4	20.3
6 10	18 42.19	-3 8.8	2.683	3.603	7.9	19.8	6 10	18 44.20	-11 27.3	1.040	2.008	12.1	20.0
6 20	18 35.16	-2 46.2	2.639	3.597	6.3	19.7	6 20	18 36.41	-10 59.9	1.006	2.003	8.0	19.8
6 30	18 27.58	-2 36.0	2.621	3.590	5.7	19.6	6 30	18 27.31	-10 49.1	0.994	1.999	6.3	19.7
7 10	18 20.06	-2 38.3	2.631	3.583	6.6	19.7	7 10	18 18.44	-10 55.4	1.004	1.995	9.1	19.8
7 20	18 13.22	-2 52.6	2.667	3.576	8.4	19.8	7 20	18 11.20	-11 17.4	1.035	1.993	13.5	20.1
7 30	18 7.60	-3 17.2	2.728	3.568	10.5	19.9	7 30	18 6.74	-11 51.6	1.085	1.992	17.8	20.3
26530	Lucferreira		6 28.2	308°49	0°8/28.2	18	520938	2014 XH ₄₃		6 28.2	46°43	9°7/29.8	17
5 21	18 54.86	-22 4.1	1.821	2.656	14.9	18.1	5 21	18 53.80	-1 43.6	1.552	2.352	18.7	20.4
5 31	18 51.00	-21 49.7	1.732	2.646	11.8	17.8	5 31	18 50.16	-0 46.0	1.490	2.361	15.9	20.2
6 10	18 44.68	-21 36.8	1.664	2.636	8.0	17.6	6 10	18 44.06	-0 7.0	1.445	2.369	13.0	20.0
6 20	18 36.47	-21 24.7	1.619	2.626	3.8	17.3	6 20	18 36.15	+0 9.1	1.421	2.379	10.6	19.9
6 30	18 27.27	-21 12.7	1.601	2.617	1.1	17.1	6 30	18 27.40	-0 0.1	1.420	2.388	9.7	19.9
7 10	18 18.21	-21 0.8	1.609	2.607	5.4	17.4	7 10	18 18.94	-0 33.8	1.442	2.398	10.7	20.0
7 20	18 10.33	-20 49.4	1.643	2.598	9.6	17.6	7 20	18 11.80	-1 28.6	1.486	2.408	13.0	20.1
7 30	18 4.54	-20 39.5	1.699	2.590	13.3	17.8	7 30	18 6.80	-2 38.9	1.552	2.418	15.7	20.3
231865	2000 SY ₃₁₈		6 28.2	238°02	3°5/27.9	18	390694	2002 YT ₁		6 28.2	150°95	14°0/29.7	18
5 21	19 1.96	-33 38.0	2.360	3.166	12.8	20.4	5 21	19 22.63	-51 59.5	1.281	2.068	22.5	20.5
5 31	18 56.23	-33 53.8	2.256	3.150	10.3	20.2	5 31	19 15.58	-53 0.0	1.221	2.074	19.8	20.3
6 10	18 48.06	-34 4.5	2.175	3.133	7.4	20.0	6 10	19 2.58	-53 37.4	1.176	2.079	17.0	20.1
6 20	18 38.00	-34 6.7	2.120	3.115	4.6	19.8	6 20	18 44.96	-53 37.2	1.149	2.084	14.8	20.0
6 30	18 26.93	-33 57.5	2.092	3.096	3.6	19.7	6 30	18 25.50	-52 49.0	1.143	2.088	14.0	20.0
7 10	18 15.93	-33 36.1	2.093	3.077	5.8	19.8	7 10	18 7.61	-51 13.3	1.159	2.092	14.9	20.1
7 20	18 6.06	-33 3.6	2.120	3.056	8.9	20.0	7 20	17 53.89	-49 1.1	1.196	2.095	17.2	20.2
7 30	17 58.21	-32 23.3	2.173	3.036	12.0	20.1	7 30	17 45.60	-46 28.8	1.252	2.097	20.0	20.4
106631	2000 WX ₁₃₀		6 28.2	156°57	2°2/28.4	18	356415	2010 TJ ₁₅₈		6 28.2	349°07	1°0/28.3	18
5 21	18 53.89	-16 57.8	2.612	3.421	11.7	20.2	5 21	18 53.14	-19 50.3	2.232	3.056	12.9	21.3
5 31	18 49.28	-16 36.1	2.528	3.425	9.2	20.0	5 31	18 49.12	-19 53.2	2.147	3.055	10.1	21.1
6 10	18 43.00	-16 18.0	2.467	3.429	6.4	19.8	6 10	18 43.14	-19 59.8	2.085	3.054	6.9	20.9
6 20	18 35.54	-16 3.7	2.432	3.433	3.5	19.6	6 20	18 35.70	-20 9.3	2.047	3.053	3.3	20.7
6 30	18 27.51	-15 53.3	2.426	3.436	2.2	19.6	6 30	18 27.52	-20 20.6	2.037	3.053	1.2	20.5
7 10	18 19.66	-15 46.9	2.447	3.439	4.4	19.7	7 10	18 19.49	-20 32.7	2.055	3.052	4.5	20.8
7 20	18 12.64	-15 44.3	2.497	3.442	7.3	19.9	7 20	18 12.40	-20 45.1	2.099	3.052	8.0	21.0
7 30	18 7.03	-15 45.4	2.571	3.444	10.0	20.1	7 30	18 6.97	-20 57.4	2.167	3.051	11.1	21.2
420297	2011 WK ₁₂		6 28.2	194°81	6°0/26.2	16	501596	2014 QX ₂₃₇		6 28.2	233°97	0°8/28.3	17
5 21	19 7.81</												

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6 28.2

6 28.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
302084	2000 YT		6 28.2 143°27'	6°2/26.3	18		420183	2011 GG ₄₇		6 28.2 98°77'	7°0/27.0	18	
5 21	19 2.58	-44 31.5	3.173	3.942	10.7	21.2	5 21	19 3.10	-38 46.1	1.854	2.668	15.6	20.3
5 31	18 56.38	-45 44.0	3.103	3.954	9.0	21.1	5 31	18 57.85	-39 59.7	1.790	2.679	12.8	20.2
6 10	18 48.01	-46 48.6	3.056	3.965	7.5	21.0	6 10	18 49.51	-41 5.8	1.747	2.691	9.9	20.0
6 20	18 37.96	-47 40.9	3.036	3.976	6.4	20.9	6 20	18 38.78	-41 57.4	1.727	2.702	7.6	19.9
6 30	18 27.02	-48 17.0	3.042	3.986	6.2	20.9	6 30	18 26.88	-42 28.7	1.734	2.713	7.2	19.9
7 10	18 16.18	-48 35.6	3.076	3.996	7.1	21.0	7 10	18 15.32	-42 37.5	1.765	2.725	8.8	20.0
7 20	18 6.34	-48 37.3	3.136	4.005	8.5	21.1	7 20	18 5.45	-42 25.5	1.821	2.735	11.4	20.2
7 30	17 58.30	-48 24.6	3.220	4.014	10.1	21.2	7 30	17 58.33	-41 57.5	1.899	2.746	14.1	20.4
425600	2010 UD ₂₅		6 28.2 276°25'	1°1/28.3	18		338597	2003 SB ₁₅₉		6 28.2 252°22'	2°7/28.5	18	
5 21	18 57.96	-20 45.0	1.618	2.453	16.5	21.7	5 21	18 55.52	-15 48.9	2.130	2.946	13.7	21.4
5 31	18 54.00	-20 38.9	1.517	2.431	13.1	21.4	5 31	18 51.16	-15 35.4	2.031	2.931	11.0	21.2
6 10	18 47.11	-20 36.5	1.436	2.408	9.0	21.1	6 10	18 44.66	-15 27.7	1.954	2.917	7.7	20.9
6 20	18 37.80	-20 36.9	1.378	2.385	4.4	20.8	6 20	18 36.48	-15 25.9	1.902	2.902	4.4	20.7
6 30	18 27.03	-20 38.8	1.346	2.361	1.4	20.5	6 30	18 27.39	-15 30.0	1.876	2.886	2.8	20.6
7 10	18 16.15	-20 41.1	1.339	2.338	6.2	20.8	7 10	18 18.32	-15 39.4	1.878	2.871	5.4	20.7
7 20	18 6.49	-20 43.7	1.357	2.313	11.1	21.0	7 20	18 10.17	-15 53.5	1.907	2.855	9.0	20.9
7 30	17 59.26	-20 47.1	1.397	2.289	15.6	21.2	7 30	18 3.75	-16 11.4	1.959	2.838	12.4	21.1
256658	2007 XG ₂₁		6 28.2 204°05'	1°1/27.9	17		248124	2004 RY ₂₀₈		6 28.2 305°88'	1°8/28.2	18	
5 21	18 59.78	-23 34.1	1.673	2.505	16.2	20.8	5 21	18 53.88	-19 59.5	2.146	2.971	13.3	20.1
5 31	18 55.19	-24 9.9	1.590	2.503	12.7	20.6	5 31	18 49.83	-19 28.7	2.051	2.959	10.5	19.9
6 10	18 47.72	-24 50.2	1.528	2.500	8.6	20.3	6 10	18 43.70	-18 59.5	1.979	2.948	7.2	19.7
6 20	18 37.99	-25 31.2	1.490	2.497	4.1	20.0	6 20	18 36.00	-18 31.9	1.932	2.936	3.7	19.4
6 30	18 27.02	-26 9.0	1.478	2.494	1.5	19.8	6 30	18 27.51	-18 6.5	1.911	2.925	1.9	19.3
7 10	18 16.15	-26 40.5	1.493	2.490	5.9	20.1	7 10	18 19.14	-17 43.9	1.918	2.914	5.0	19.5
7 20	18 6.67	-27 4.4	1.533	2.486	10.4	20.4	7 20	18 11.74	-17 24.8	1.952	2.903	8.6	19.7
7 30	17 59.64	-27 21.5	1.596	2.481	14.3	20.6	7 30	18 6.08	-17 9.8	2.009	2.893	11.9	19.8
51050	2000 GF ₁₃₇		6 28.2 95°11'	2°2/28.8	18		342869	2008 YJ ₃₈		6 28.2 204°43'	0°9/28.4	18	
5 21	18 55.54	-14 54.0	2.108	2.922	13.9	18.7	5 21	18 55.71	-19 25.2	2.129	2.950	13.6	21.3
5 31	18 50.96	-15 13.6	2.035	2.935	11.0	18.6	5 31	18 51.27	-19 39.6	2.042	2.948	10.6	21.1
6 10	18 44.35	-15 41.4	1.984	2.948	7.6	18.4	6 10	18 44.69	-19 58.8	1.977	2.946	7.2	20.9
6 20	18 36.25	-16 16.4	1.959	2.960	4.1	18.2	6 20	18 36.48	-20 21.8	1.937	2.943	3.5	20.6
6 30	18 27.44	-16 56.8	1.960	2.972	2.2	18.1	6 30	18 27.42	-20 46.6	1.925	2.940	1.1	20.4
7 10	18 18.83	-17 40.4	1.990	2.985	4.9	18.3	7 10	18 18.46	-21 11.6	1.940	2.937	4.7	20.7
7 20	18 11.27	-18 25.0	2.046	2.997	8.3	18.5	7 20	18 10.51	-21 35.8	1.982	2.934	8.4	20.9
7 30	18 5.46	-19 9.0	2.127	3.008	11.4	18.7	7 30	18 4.34	-21 58.5	2.049	2.931	11.8	21.1
46016	2001 CP ₄₁		6 28.2 350°63'	4°4/28.7	18		24677	1989 TH ₇		6 28.2 192°92'	3°3/27.5	18	
5 21	18 52.44	-14 33.0	1.224	2.079	19.5	18.9	5 21	18 59.07	-31 31.4	2.426	3.238	12.4	19.5
5 31	18 50.05	-14 12.6	1.152	2.074	15.7	18.6	5 31	18 53.86	-32 13.9	2.358	3.236	9.8	19.3
6 10	18 44.55	-14 3.5	1.098	2.070	11.2	18.4	6 10	18 46.42	-32 54.4	2.274	3.234	7.0	19.1
6 20	18 36.59	-14 6.8	1.065	2.066	6.6	18.1	6 20	18 37.28	-33 29.1	2.235	3.231	4.3	19.0
6 30	18 27.34	-14 22.8	1.054	2.064	4.4	18.0	6 30	18 27.25	-33 54.5	2.224	3.228	3.4	18.9
7 10	18 18.29	-14 49.9	1.065	2.062	7.8	18.2	7 10	18 17.31	-34 9.0	2.242	3.225	5.5	19.0
7 20	18 10.85	-15 25.5	1.099	2.061	12.5	18.4	7 20	18 8.40	-34 12.6	2.286	3.221	8.4	19.2
7 30	18 6.13	-16 6.7	1.153	2.061	16.9	18.7	7 30	18 1.33	-34 7.1	2.355	3.216	11.2	19.4
272408	2005 TV ₃₅		6 28.2 3°67'	1°3/28.0	17		436851	2012 SU ₂₇		6 28.2 75°72'	5°6/28.9	17	
5 21	18 52.78	-24 22.5	1.198	2.065	19.1	20.6	5 21	18 54.64	-9 39.7	1.863	2.674	15.6	20.6
5 31	18 50.57	-24 46.3	1.132	2.064	15.0	20.4	5 31	18 50.45	-9 1.8	1.793	2.683	12.7	20.5
6 10	18 45.01	-25 13.7	1.084	2.064	10.1	20.1	6 10	18 44.10	-8 34.3	1.743	2.692	9.5	20.3
6 20	18 36.82	-25 41.0	1.056	2.065	4.8	19.8	6 20	18 36.17	-8 19.1	1.716	2.700	6.7	20.1
6 30	18 27.30	-26 4.5	1.051	2.067	1.8	19.6	6 30	18 27.52	-8 17.4	1.714	2.709	5.6	20.1
7 10	18 18.09	-26 21.4	1.070	2.071	6.9	19.9	7 10	18 19.12	-8 28.7	1.739	2.718	7.2	20.2
7 20	18 10.70	-26 31.1	1.110	2.075	12.1	20.2	7 20	18 11.86	-8 51.6	1.789	2.727	10.1	20.4
7 30	18 6.27	-26 34.8	1.170	2.081	16.6	20.5	7 30	18 6.49	-9 23.6	1.861	2.735	13.1	20.6
106310	2000 UX ₉₂		6 28.2 123°41'	1°7/28.3	18		335069	2004 RD ₂₇₆		6 28.2 231°39'	2°4/28.5	18	
5 21	18 54.88	-19 5.6	2.437	3.252	12.3	19.7	5 21	18 56.16	-16 50.8	1.890	2.714	14.9	21.0
5 31	18 50.16	-18 42.0	2.358	3.259	9.6	19.6	5 31	18 51.86	-16 42.0	1.803	2.709	11.8	20.8
6 10	18 43.66	-18 20.9	2.301	3.267	6.6	19.4	6 10	18 45.21	-16 39.3	1.737	2.703	8.2	20.5
6 20	18 35.88	-18 2.3	2.270	3.273	3.4	19.2	6 20	18 36.77	-16 42.6	1.695	2.698	4.4	20.3
6 30	18 27.53	-17 46.3	2.267	3.280	1.8	19.1	6 30	18 27.37	-16 51.3	1.680	2.692	2.5	20.2
7 10	18 19.41	-17 33.1	2.293	3.287	4.4	19.3	7 10	18 18.10	-17 4.5	1.692	2.687	5.6	20.3
7 20	18 12.22	-17 22.9	2.345	3.293	7.6	19.5	7 20	18 9.94	-17 21.2	1.729	2.681	9.5	20.6
7 30	18 6.58	-17 15.9	2.423	3.300	10.4	19.7	7 30	18 3.75	-17 40.7	1.789	2.674	13.1	20.8
513796	2013 CD ₅₈		6 28.2 245°84'	7°0/29.5	18		252842	2002 GQ ₁₂₂		6 28.2 22°51'	4°9/27.6	17	
5 21	18 52.02	-1 51.4	2.408	3.180	13.6	21.3	5 21	18 57.15	-30 20.0	1.165	2.028	19.8	20.1
5 31	18 48.04	-1 20.3	2.320	3.173	11.6	21.1	5 31	18 54.28	-31 14.6	1.106	2.033	15.7	19.8
6 10	18 42.33	-1 2.1	2.252	3.167	9.4	21.0	6 10	18 47.67	-32 7.6	1.064	2.039	11.1	19.6
6 20	18 35.32	-0 59.1	2.207	3.160	7.7	20.9	6 20	18 38.10	-32 52.1	1.043	2.046	6.6	19.3
6 30	18 27.64	-1 12.6	2.188	3.154	7.0	20.8	6 30	18 27.08	-33 21.4	1.045	2.053	5.1	19.3
7 10	18 20.03	-1 42.2	2.195	3.147	7.8	20.9	7 10	18 16.52	-33 32.3	1.069	2.062	8.6	19.5
7 20	18 13.20	-2 26.1	2.228	3.140	9.7	21.0	7 20	18 8.11	-33 26.0	1.116	2.071	13.1	19.8
7 30	18 7.77	-3 21.5	2.284	3.133	11.9	21.1	7 30	18 3.06	-33 7.1	1.181	2.081	17.3	20.1
355627	2008 DU ₈₃		6 28.2 154°81'	3°9/27.5	18		442410	2011 UF ₈₈		6 28.2 308°51'	4°1/28.2	18	
5 21	18 58.02												

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
386362	2008 TY ₉₁		6 28.2 266°37'		6°1/29.2 18		70181	1999 RA ₁		6 28.2 50°33'		2°4/28.2 18	
5 21	18 55.50	- 6 16.7	2.136	2.925	14.6	21.6	5 21	19 0.25	-28 56.4	1.376	2.222	18.3	18.5
5 31	18 51.21	- 5 56.0	2.028	2.901	12.2	21.4	5 31	18 55.97	-28 57.6	1.309	2.229	14.4	18.2
6 10	18 44.78	- 5 47.2	1.940	2.876	9.5	21.2	6 10	18 48.39	-28 55.1	1.262	2.235	9.8	18.0
6 20	18 36.62	- 5 52.5	1.875	2.851	7.1	21.0	6 20	18 38.33	-28 45.6	1.236	2.242	5.0	17.7
6 30	18 27.42	- 6 13.1	1.837	2.825	6.1	20.8	6 30	18 27.14	-28 26.5	1.235	2.249	2.6	17.6
7 10	18 18.10	- 6 48.7	1.825	2.798	7.5	20.9	7 10	18 16.47	-27 58.1	1.259	2.256	6.7	17.9
7 20	18 9.56	- 7 37.2	1.840	2.771	10.3	21.0	7 20	18 7.71	-27 22.9	1.306	2.264	11.4	18.2
7 30	18 2.66	- 8 35.9	1.878	2.743	13.4	21.1	7 30	18 1.89	-26 44.9	1.375	2.271	15.5	18.4
262379	2006 TM ₁₁₀		6 28.2 148°40'		0°3/28.2 17		18308	1981 EZ ₁₁		6 28.2 63°25'		2°4/28.1 18	
5 21	18 59.69	-22 22.9	1.875	2.700	15.0	21.7	5 21	19 0.22	-28 8.1	1.387	2.233	18.2	18.7
5 31	18 54.57	-22 23.8	1.798	2.707	11.7	21.5	5 31	18 55.97	-28 21.8	1.319	2.238	14.3	18.5
6 10	18 46.97	-22 26.9	1.743	2.713	7.9	21.2	6 10	18 48.43	-28 33.7	1.271	2.244	9.8	18.2
6 20	18 37.55	-22 30.4	1.713	2.720	3.7	21.0	6 20	18 38.38	-28 39.9	1.244	2.250	5.0	18.0
6 30	18 27.25	-22 33.0	1.709	2.725	0.8	20.8	6 30	18 27.14	-28 37.0	1.242	2.256	2.6	17.8
7 10	18 17.24	-22 33.8	1.733	2.731	5.2	21.1	7 10	18 16.34	-28 24.2	1.265	2.262	6.7	18.1
7 20	18 8.53	-22 32.9	1.783	2.735	9.2	21.4	7 20	18 7.41	-28 3.3	1.312	2.269	11.4	18.4
7 30	18 1.98	-22 31.1	1.857	2.740	12.8	21.6	7 30	18 1.41	-27 37.5	1.380	2.275	15.5	18.6
385128	2013 CH ₁₂₁		6 28.2 16°86'		1°4/27.8 18		105793	2000 SN ₁₂₂		6 28.2 238°91'		2°8/28.6 18	
5 21	18 54.46	-23 7.9	1.892	2.726	14.5	19.6	5 21	18 53.44	-14 9.0	2.654	3.457	11.7	20.7
5 31	18 50.68	-24 5.6	1.816	2.730	11.3	19.4	5 31	18 49.08	-13 56.8	2.554	3.446	9.3	20.5
6 10	18 44.50	-25 8.4	1.761	2.734	7.6	19.2	6 10	18 43.04	-13 50.1	2.476	3.433	6.7	20.4
6 20	18 36.47	-26 12.6	1.732	2.739	3.6	18.9	6 20	18 35.72	-13 49.4	2.425	3.421	4.0	20.2
6 30	18 27.47	-27 13.8	1.729	2.743	1.7	18.8	6 30	18 27.72	-13 54.5	2.401	3.408	2.8	20.1
7 10	18 18.59	-28 8.4	1.753	2.749	5.3	19.1	7 10	18 19.75	-14 5.2	2.405	3.394	4.7	20.2
7 20	18 10.86	-28 54.3	1.803	2.755	9.2	19.3	7 20	18 12.51	-14 20.5	2.437	3.381	7.6	20.3
7 30	18 5.15	-29 31.3	1.877	2.761	12.6	19.5	7 30	18 6.61	-14 39.9	2.495	3.367	10.3	20.5
55525	2001 VV ₅₅		6 28.2 104°56'		0°7/28.2 18		285308	1998 WV ₃₈		6 28.2 251°23'		0°5/28.2 18	
5 21	18 55.98	-22 23.6	2.190	3.012	13.2	19.4	5 21	18 58.64	-23 26.4	1.847	2.676	15.0	21.6
5 31	18 51.30	-22 2.0	2.110	3.017	10.3	19.2	5 31	18 54.16	-23 42.2	1.751	2.661	11.9	21.4
6 10	18 44.58	-21 41.0	2.051	3.021	6.9	19.0	6 10	18 47.02	-24 0.8	1.675	2.647	8.1	21.1
6 20	18 36.38	-21 20.1	2.018	3.025	3.3	18.8	6 20	18 37.75	-24 19.9	1.624	2.631	3.8	20.8
6 30	18 27.52	-20 59.1	2.013	3.029	1.0	18.6	6 30	18 27.26	-24 37.0	1.600	2.616	1.0	20.6
7 10	18 18.90	-20 38.4	2.036	3.033	4.6	18.9	7 10	18 16.76	-24 50.1	1.602	2.599	5.5	20.8
7 20	18 11.36	-20 18.8	2.085	3.037	8.1	19.1	7 20	18 7.42	-24 58.7	1.630	2.583	9.9	21.1
7 30	18 5.59	-20 1.1	2.159	3.041	11.3	19.3	7 30	18 0.27	-25 3.5	1.681	2.566	13.8	21.3
55588	2002 PV ₈₁		6 28.2 255°30'		1°3/28.1 18		128754	2004 RQ ₁₈₅		6 28.2 335°63'		3°8/28.5 18	
5 21	18 57.41	-26 36.3	2.261	3.081	12.9	19.3	5 21	18 52.37	-13 33.9	2.174	2.990	13.5	19.6
5 31	18 52.70	-26 45.5	2.159	3.065	10.2	19.1	5 31	18 48.55	-13 2.3	2.089	2.987	10.8	19.5
6 10	18 45.74	-26 54.1	2.079	3.048	6.9	18.8	6 10	18 42.80	-12 37.0	2.025	2.983	7.8	19.3
6 20	18 37.03	-27 0.0	2.025	3.030	3.4	18.6	6 20	18 35.63	-12 19.0	1.986	2.980	5.0	19.1
6 30	18 27.36	-27 1.2	1.998	3.012	1.5	18.4	6 30	18 27.76	-12 9.2	1.973	2.977	3.8	19.0
7 10	18 17.71	-26 56.8	1.999	2.994	4.8	18.6	7 10	18 20.02	-12 7.6	1.987	2.974	5.8	19.1
7 20	18 9.05	-26 47.1	2.027	2.975	8.5	18.8	7 20	18 13.20	-12 13.8	2.028	2.972	8.8	19.3
7 30	18 2.20	-26 33.4	2.079	2.957	11.8	19.0	7 30	18 8.00	-12 26.7	2.091	2.969	11.7	19.5
41290	1999 XB ₁₀₈		6 28.2 281°40'		5°5/26.5 18		108026	2001 FL ₁₄₉		6 28.2 155°29'		6°0/26.9 18	
5 21	18 57.93	-36 18.5	2.346	3.158	12.8	19.2	5 21	19 1.51	-37 30.4	2.151	2.959	13.9	20.5
5 31	18 53.42	-37 31.1	2.254	3.145	10.4	19.0	5 31	18 56.28	-38 37.9	2.075	2.963	11.3	20.3
6 10	18 46.43	-38 40.8	2.184	3.133	7.9	18.8	6 10	18 48.34	-39 40.0	2.021	2.967	8.7	20.2
6 20	18 37.43	-39 42.1	2.140	3.120	6.0	18.7	6 20	18 38.30	-40 30.8	1.992	2.970	6.5	20.1
6 30	18 27.26	-40 30.2	2.122	3.107	5.6	18.6	6 30	18 27.16	-41 5.2	1.990	2.974	6.1	20.0
7 10	18 17.01	-41 1.8	2.132	3.094	7.3	18.7	7 10	18 16.17	-41 20.9	2.014	2.977	7.7	20.1
7 20	18 7.77	-41 16.6	2.167	3.082	9.8	18.9	7 20	18 6.52	-41 18.7	2.064	2.979	10.2	20.3
7 30	18 0.53	-41 16.5	2.225	3.069	12.4	19.0	7 30	17 59.18	-41 1.9	2.136	2.981	12.8	20.5
251332	2007 DY ₈₇		6 28.2 174°40'		1°0/28.0 18		99822	2002 MA		6 28.2 274°81'		3°2/29.1 18	
5 21	18 54.52	-25 41.4	2.492	3.312	11.9	20.8	5 21	18 52.52	-11 27.9	2.460	3.263	12.5	19.5
5 31	18 50.08	-25 57.4	2.407	3.313	9.2	20.6	5 31	18 48.46	-11 39.7	2.371	3.260	10.0	19.3
6 10	18 43.75	-26 13.7	2.344	3.313	6.2	20.4	6 10	18 42.67	-12 0.7	2.304	3.258	7.2	19.1
6 20	18 36.03	-26 28.3	2.307	3.313	3.0	20.2	6 20	18 35.56	-12 30.8	2.262	3.256	4.5	18.9
6 30	18 27.61	-26 39.5	2.299	3.314	1.2	20.1	6 30	18 27.77	-13 9.0	2.248	3.254	3.2	18.8
7 10	18 19.33	-26 46.4	2.318	3.314	4.3	20.3	7 10	18 20.05	-13 53.7	2.263	3.252	5.0	19.0
7 20	18 11.97	-26 48.8	2.365	3.314	7.4	20.5	7 20	18 13.11	-14 42.7	2.304	3.250	7.8	19.1
7 30	18 6.19	-26 47.5	2.437	3.314	10.3	20.7	7 30	18 7.60	-15 34.1	2.370	3.248	10.6	19.3
150045	2005 WC ₁₉₄		6 28.2 99°48'		1°7/28.6 18		424097	2007 EQ ₁₂		6 28.2 99°53'		3°2/28.7 17	
5 21	18 53.45	-16 42.8	2.383	3.198	12.5	20.1	5 21	18 57.84	-14 56.0	1.801	2.621	15.7	21.8
5 31	18 49.20	-16 53.8	2.302	3.204	9.8	19.9	5 31	18 53.02	-14 44.6	1.735	2.637	12.4	21.6
6 10	18 43.13	-17 10.7	2.245	3.209	6.8	19.7	6 10	18 45.87	-14 41.2	1.689	2.652	8.7	21.5
6 20	18 35.73	-17 32.6	2.212	3.215	3.5	19.5	6 20	18 37.05	-14 45.6	1.668	2.667	5.0	21.3
6 30	18 27.68	-17 58.5	2.208	3.221	1.8	19.4	6 30	18 27.47	-14 57.4	1.673	2.682	3.2	21.2
7 10	18 19.77	-18 26.7	2.231	3.227	4.4	19.6	7 10	18 18.23	-15 15.2	1.704	2.697	5.9	21.4
7 20	18 12.75	-18 56.1	2.282	3.233	7.6	19.8	7 20	18 10.28	-15 37.8	1.762	2.711	9.5	21.6
7 30	18 7.26	-19 25.7	2.358	3.238	10.5	20.0	7 30	18 4.40	-16 3.7	1.842	2.725	12.8	21.9
506669	2006 SG ₂₈₆		6 28.2 285°03'		4°1/27.4 18		114973	2003 QZ ₆₃		6 28.2 323°85'		5°2/28.9 18	
5 21	18 58.8												

EPHEMERIDES

6 28.2

6 28.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
42020	2000 YP ₇₉		6 28.2 50°35'	0°3'/28.3	17		435703	2008 TV ₁₅₁		6 28.2 12°39'	2°6'/27.8	17	
5 21	18 58.03	-21 56.7	1.429	2.274	17.8	19.1	5 21	18 56.56	-27 23.7	1.581	2.425	16.4	20.6
5 31	18 54.10	-22 4.6	1.357	2.276	14.0	18.8	5 31	18 52.86	-27 59.7	1.508	2.426	12.9	20.4
6 10	18 47.12	-22 16.8	1.304	2.279	9.4	18.6	6 10	18 46.26	-28 36.3	1.455	2.428	8.8	20.1
6 20	18 37.79	-22 31.1	1.274	2.281	4.4	18.3	6 20	18 37.40	-29 9.5	1.424	2.430	4.6	19.9
6 30	18 27.29	-22 45.0	1.268	2.284	1.0	18.1	6 30	18 27.41	-29 35.0	1.419	2.432	2.8	19.8
7 10	18 17.08	-22 56.8	1.288	2.287	6.2	18.4	7 10	18 17.64	-29 50.5	1.440	2.435	6.4	20.0
7 20	18 8.49	-23 6.0	1.331	2.290	11.0	18.7	7 20	18 9.39	-29 55.9	1.484	2.438	10.6	20.3
7 30	18 2.56	-23 13.3	1.396	2.293	15.2	19.0	7 30	18 3.66	-29 53.1	1.551	2.441	14.4	20.5
494415	2016 UX ₇₂		6 28.2 257°49'	0°5'/28.3	18		160017	1990 JD ₂		6 28.2 21°91'	12°1'/1.5	18	
5 21	18 54.65	-21 34.3	2.302	3.124	12.7	21.9	5 21	18 51.46	+ 3 26.8	1.426	2.217	20.5	18.8
5 31	18 50.36	-21 34.3	2.208	3.114	9.9	21.7	5 31	18 48.62	+ 4 21.8	1.367	2.224	17.9	18.6
6 10	18 44.07	-21 36.5	2.136	3.105	6.7	21.5	6 10	18 43.22	+ 4 51.8	1.325	2.231	15.3	18.5
6 20	18 36.25	-21 40.1	2.089	3.095	3.2	21.3	6 20	18 35.93	+ 4 51.5	1.302	2.240	13.1	18.4
6 30	18 27.63	-21 43.9	2.070	3.086	0.8	21.1	6 30	18 27.74	+ 4 18.4	1.299	2.250	12.1	18.4
7 10	18 19.09	-21 47.2	2.078	3.076	4.5	21.3	7 10	18 19.84	+ 3 14.1	1.317	2.260	12.6	18.4
7 20	18 11.46	-21 49.8	2.114	3.066	8.0	21.5	7 20	18 13.30	+ 1 44.3	1.357	2.271	14.5	18.6
7 30	18 5.49	-21 52.0	2.174	3.056	11.2	21.7	7 30	18 8.97	- 0 3.2	1.417	2.283	16.9	18.7
148107	1999 RR ₁₄₄		6 28.2 261°52'	3°7'/28.5	18	R	72276	2001 AN ₄₅		6 28.2 263°81'	4°2'/27.4	18	
5 21	18 53.09	-13 4.5	2.387	3.195	12.7	19.8	5 21	19 0.44	-29 51.3	1.576	2.413	16.8	19.3
5 31	18 48.96	-12 33.8	2.294	3.186	10.2	19.6	5 31	18 56.34	-30 47.5	1.487	2.400	13.4	19.0
6 10	18 43.03	-12 8.9	2.222	3.177	7.4	19.4	6 10	18 48.95	-31 44.8	1.418	2.387	9.5	18.8
6 20	18 35.74	-11 50.9	2.176	3.168	4.8	19.2	6 20	18 38.83	-32 37.3	1.373	2.373	5.7	18.5
6 30	18 27.75	-11 40.6	2.157	3.159	3.7	19.1	6 30	18 27.09	-33 18.5	1.352	2.359	4.4	18.4
7 10	18 19.84	-11 38.2	2.165	3.150	5.5	19.2	7 10	18 15.28	-33 44.3	1.357	2.346	7.7	18.6
7 20	18 12.75	-11 43.3	2.200	3.141	8.4	19.4	7 20	18 4.97	-33 54.1	1.386	2.332	11.9	18.8
7 30	18 7.15	-11 55.0	2.259	3.131	11.2	19.5	7 30	17 57.46	-33 50.5	1.437	2.317	15.9	19.0
186985	2004 SN ₄₇		6 28.2 160°15'	2°6'/28.5	18		407894	2012 BW ₁₂₄		6 28.2 230°34'	4°1'/28.8	17	
5 21	18 53.06	-15 47.2	2.443	3.256	12.3	20.1	5 21	18 57.86	-13 19.3	1.639	2.462	16.9	21.5
5 31	18 48.84	-15 24.4	2.358	3.256	9.7	20.0	5 31	18 53.60	-13 4.3	1.553	2.455	13.6	21.3
6 10	18 42.88	-15 6.1	2.296	3.257	6.9	19.8	6 10	18 46.66	-12 59.1	1.487	2.448	9.8	21.0
6 20	18 35.64	-14 52.9	2.259	3.257	4.0	19.6	6 20	18 37.61	-13 4.6	1.443	2.440	6.0	20.8
6 30	18 27.79	-14 44.9	2.249	3.258	2.7	19.5	6 30	18 27.39	-13 20.8	1.425	2.432	4.2	20.7
7 10	18 20.08	-14 42.2	2.267	3.258	4.8	19.7	7 10	18 17.25	-13 46.4	1.432	2.424	6.9	20.8
7 20	18 13.24	-14 44.3	2.312	3.258	7.8	19.8	7 20	18 8.36	-14 19.5	1.464	2.415	11.0	21.0
7 30	18 7.86	-14 51.0	2.382	3.259	10.6	20.0	7 30	18 1.72	-14 58.0	1.519	2.406	14.9	21.2
133499	2003 SH ₂₈₂		6 28.2 171°95'	6°3'/29.0	18		8727	1996 VZ ₇		6 28.2 277°25'	0°7'/28.3	18	
5 21	18 54.68	- 5 42.5	2.249	3.034	14.0	20.8	5 21	18 57.33	-20 15.5	1.517	2.358	17.1	18.2
5 31	18 50.18	- 5 1.2	2.168	3.037	11.7	20.6	5 31	18 53.66	-20 29.8	1.427	2.344	13.6	17.9
6 10	18 43.83	- 4 30.8	2.108	3.038	9.2	20.4	6 10	18 47.00	-20 50.9	1.356	2.330	9.3	17.6
6 20	18 36.09	- 4 13.4	2.072	3.040	7.1	20.3	6 20	18 37.88	-21 16.8	1.308	2.315	4.4	17.3
6 30	18 27.69	- 4 10.5	2.062	3.041	6.3	20.3	6 30	18 27.32	-21 45.1	1.285	2.301	1.1	17.0
7 10	18 19.43	- 4 22.1	2.079	3.042	7.4	20.3	7 10	18 16.73	-22 13.0	1.287	2.286	6.2	17.3
7 20	18 12.07	- 4 46.8	2.121	3.042	9.7	20.5	7 20	18 7.48	-22 39.0	1.313	2.272	11.2	17.6
7 30	18 6.29	- 5 22.3	2.187	3.042	12.2	20.6	7 30	18 0.76	-23 2.4	1.361	2.257	15.6	17.8
443775	2015 MW ₆₅		6 28.2 326°51'	3°0'/28.3	18		57875	2001 YV ₁₁₄		6 28.2 323°12'	11°9'/30.4	18	
5 21	18 53.20	-16 56.5	1.914	2.743	14.6	20.2	5 21	18 49.90	+ 4 14.0	1.664	2.440	18.5	17.9
5 31	18 49.54	-16 21.4	1.826	2.734	11.6	20.0	5 31	18 47.49	+ 5 1.4	1.564	2.410	16.6	17.7
6 10	18 43.66	-15 50.4	1.759	2.725	8.2	19.8	6 10	18 42.66	+ 5 27.4	1.482	2.381	14.5	17.5
6 20	18 36.10	-15 24.4	1.716	2.717	4.7	19.5	6 20	18 35.83	+ 5 25.8	1.419	2.352	12.7	17.3
6 30	18 27.68	-15 4.3	1.699	2.709	3.1	19.4	6 30	18 27.77	+ 4 52.1	1.377	2.324	11.9	17.1
7 10	18 19.39	-14 50.6	1.708	2.701	5.8	19.6	7 10	18 19.52	+ 3 45.3	1.357	2.296	12.6	17.1
7 20	18 12.17	-14 43.5	1.743	2.694	9.5	19.8	7 20	18 12.20	+ 2 8.6	1.358	2.270	14.7	17.2
7 30	18 6.81	-14 42.9	1.801	2.687	12.9	20.0	7 30	18 6.82	+ 0 8.5	1.380	2.244	17.4	17.3
504737	2009 VD ₇₀		6 28.2 226°16'	1°5'/28.0	17		375905	2009 VU ₁₀₇		6 28.2 49°32'	8°4'/28.3	18	
5 21	18 59.00	-26 11.1	2.043	2.865	14.0	22.7	5 21	18 55.68	- 6 38.9	1.625	2.435	17.6	20.0
5 31	18 54.15	-26 31.2	1.950	2.857	11.0	22.5	5 31	18 51.61	- 5 15.6	1.556	2.439	14.7	19.8
6 10	18 46.84	-26 51.8	1.879	2.848	7.5	22.3	6 10	18 45.09	- 4 3.9	1.507	2.444	11.7	19.6
6 20	18 37.61	-27 10.2	1.833	2.839	3.7	22.0	6 20	18 36.78	- 3 8.5	1.480	2.449	9.2	19.5
6 30	18 27.35	-27 23.6	1.814	2.829	1.7	21.9	6 30	18 27.61	- 2 33.3	1.477	2.454	8.4	19.5
7 10	18 17.15	-27 30.6	1.823	2.819	5.2	22.1	7 10	18 18.72	- 2 19.7	1.498	2.459	9.9	19.6
7 20	18 8.09	-27 31.0	1.859	2.808	9.1	22.3	7 20	18 11.12	- 2 26.7	1.542	2.464	12.6	19.7
7 30	18 1.07	-27 26.3	1.918	2.797	12.6	22.5	7 30	18 5.65	- 2 51.2	1.607	2.470	15.4	19.9
199224	2006 AF ₄₅		6 28.2 359°81'	6°2'/26.4	17		429238	2010 AN ₇₀		6 28.2 153°40'	1°1'/27.9	17	
5 21	18 57.83	-31 36.3	1.506	2.350	17.1	19.3	5 21	18 58.70	-23 51.2	2.144	2.963	13.5	21.7
5 31	18 54.43	-33 19.6	1.434	2.349	13.7	19.0	5 31	18 53.67	-24 30.6	2.064	2.970	10.6	21.5
6 10	18 47.72	-35 4.5	1.383	2.348	10.0	18.8	6 10	18 46.37	-25 12.9	2.006	2.975	7.1	21.3
6 20	18 38.25	-36 42.5	1.354	2.347	6.9	18.6	6 20	18 37.36	-25 55.1	1.974	2.981	3.4	21.1
6 30	18 27.18	-38 4.7	1.351	2.348	6.5	18.6	6 30	18 27.48	-26 34.0	1.970	2.985	1.4	20.9
7 10	18 16.14	-39 5.1	1.372	2.348	9.1	18.7	7 10	18 17.73	-27 7.2	1.995	2.990	4.9	21.2
7 20	18 6.71	-39 42.2	1.417	2.350	12.7	19.0	7 20	18 9.08	-27 33.7	2.046	2.994	8.5	21.4
7 30	18 0.19	-39 58.9	1.482	2.352	16.1	19.2	7 30	18 2.33	-27 53.9	2.122	2.997	11.7	21.6
124630	2001 SM ₆₂		6 28.2 118°31'	0°6'/28.3	18		85921	1999 CV ₁₀₁		6 28.2 87°35'	1°9'/27.9	18	

EPHEMERIDES

6 28.2

6 28.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
442114	2010 <i>TG</i> ₁₆₁		6 28.2 302°18		0°5/28.2 18		444291	2005 <i>UY</i> ₄₉₅		6 28.2 218°17		0°4/28.2 18	
5 21	18 54.13	-23 52.1	2.311	3.135	12.5	21.8	5 21	18 55.68	-25 7.6	2.447	3.266	12.1	21.1
5 31	18 49.97	-24 6.2	2.224	3.133	9.8	21.7	5 31	18 51.02	-25 0.0	2.357	3.262	9.4	21.0
6 10	18 43.81	-24 21.8	2.160	3.130	6.6	21.4	6 10	18 44.43	-24 51.8	2.290	3.259	6.4	20.8
6 20	18 36.15	-24 37.2	2.121	3.128	3.1	21.2	6 20	18 36.44	-24 41.6	2.249	3.256	3.0	20.5
6 30	18 27.74	-24 50.7	2.110	3.126	0.9	21.0	6 30	18 27.76	-24 28.8	2.236	3.252	0.8	20.3
7 10	18 19.46	-25 1.1	2.127	3.124	4.4	21.3	7 10	18 19.24	-24 13.3	2.252	3.249	4.2	20.6
7 20	18 12.12	-25 8.2	2.170	3.122	7.8	21.5	7 20	18 11.67	-23 55.6	2.294	3.245	7.5	20.8
7 30	18 6.44	-25 12.3	2.238	3.120	10.9	21.7	7 30	18 5.72	-23 37.0	2.362	3.241	10.5	21.0
300189	2006 <i>WU</i> ₇₁		6 28.2 67°60		1°0/28.1 17		144117	2004 <i>BU</i> ₇₉		6 28.2 229°17		1°4/28.3 18	
5 21	18 55.46	-25 35.8	2.175	3.001	13.2	21.3	5 21	18 59.05	-20 47.6	1.767	2.595	15.6	20.3
5 31	18 51.11	-25 49.2	2.093	3.002	10.3	21.1	5 31	18 54.40	-20 29.4	1.679	2.588	12.3	20.0
6 10	18 44.63	-26 2.9	2.033	3.003	6.9	20.9	6 10	18 47.13	-20 13.6	1.611	2.581	8.4	19.8
6 20	18 36.55	-26 14.8	1.998	3.004	3.3	20.7	6 20	18 37.82	-19 59.5	1.567	2.573	4.1	19.5
6 30	18 27.68	-26 23.1	1.990	3.005	1.3	20.6	6 30	18 27.45	-19 46.7	1.550	2.565	1.6	19.3
7 10	18 18.98	-26 26.7	2.009	3.006	4.7	20.8	7 10	18 17.23	-19 35.1	1.559	2.557	5.7	19.6
7 20	18 11.36	-26 25.8	2.056	3.007	8.2	21.0	7 20	18 8.28	-19 25.2	1.594	2.548	10.0	19.8
7 30	18 5.55	-26 21.2	2.126	3.008	11.4	21.2	7 30	18 1.55	-19 17.9	1.653	2.539	13.9	20.0
344786	2003 <i>XJ</i> ₃₁		6 28.2 281°34		2°6/27.7 18		172951	Mehoke		6 28.3 101°82		4°2/28.6 17	
5 21	18 56.98	-27 18.4	1.932	2.762	14.4	20.8	5 21	18 57.70	-14 23.1	1.551	2.380	17.4	20.5
5 31	18 52.92	-28 2.7	1.836	2.747	11.4	20.6	5 31	18 53.41	-13 54.6	1.480	2.386	13.9	20.2
6 10	18 46.25	-28 49.0	1.762	2.731	7.9	20.4	6 10	18 46.45	-13 34.6	1.429	2.393	9.9	20.0
6 20	18 37.47	-29 33.3	1.712	2.716	4.2	20.1	6 20	18 37.48	-13 24.2	1.400	2.399	6.0	19.8
6 30	18 27.45	-30 11.6	1.689	2.700	2.7	20.0	6 30	18 27.55	-13 23.8	1.397	2.405	4.2	19.7
7 10	18 17.38	-30 40.7	1.692	2.684	6.0	20.2	7 10	18 17.91	-13 32.9	1.419	2.411	6.9	19.9
7 20	18 8.41	-30 59.7	1.721	2.669	9.8	20.4	7 20	18 9.72	-13 50.2	1.465	2.416	10.9	20.1
7 30	18 1.57	-31 9.4	1.774	2.653	13.4	20.5	7 30	18 3.85	-14 14.0	1.533	2.422	14.6	20.4
130415	2000 <i>OH</i> ₅₇		6 28.2 195°04		7°1/30.4 18		324967	2008 <i>AC</i> ₁₅		6 28.3 100°44		1°7/28.5 17	
5 21	19 0.50	-0 47.6	2.151	2.907	15.5	19.7	5 21	18 59.54	-18 49.1	1.620	2.450	16.7	21.7
5 31	18 54.92	-0 47.7	2.058	2.904	13.1	19.5	5 31	18 54.72	-18 47.4	1.554	2.464	13.1	21.5
6 10	18 47.18	-1 5.0	1.986	2.900	10.6	19.4	6 10	18 47.24	-18 51.4	1.508	2.478	8.9	21.3
6 20	18 37.75	-1 41.5	1.938	2.896	8.2	19.2	6 20	18 37.80	-19 0.2	1.487	2.492	4.4	21.0
6 30	18 27.41	-2 37.4	1.916	2.890	7.1	19.1	6 30	18 27.49	-19 12.1	1.491	2.505	1.8	20.9
7 10	18 17.11	-3 50.5	1.922	2.883	8.1	19.2	7 10	18 17.56	-19 25.9	1.521	2.519	5.7	21.2
7 20	18 7.74	-5 17.0	1.956	2.876	10.5	19.3	7 20	18 9.11	-19 40.7	1.576	2.531	10.0	21.5
7 30	18 0.12	-6 52.0	2.015	2.867	13.2	19.5	7 30	18 3.02	-19 56.1	1.655	2.544	13.7	21.7
523104	2016 <i>RC</i> ₄₉		6 28.2 327°19		5°4/27.3 17		494236	2016 <i>PX</i> ₉		6 28.3 195°62		2°2/27.9 16	
5 21	18 58.51	-36 35.5	2.169	2.984	13.6	21.5	5 21	18 57.55	-27 48.7	2.032	2.858	13.9	22.2
5 31	18 53.88	-37 28.1	2.090	2.984	11.0	21.4	5 31	18 53.02	-28 18.1	1.949	2.857	11.0	22.0
6 10	18 46.71	-38 15.4	2.033	2.983	8.3	21.2	6 10	18 46.08	-28 47.2	1.888	2.856	7.5	21.8
6 20	18 37.59	-38 52.4	1.999	2.983	6.0	21.0	6 20	18 37.31	-29 12.7	1.852	2.856	3.9	21.6
6 30	18 27.46	-39 15.0	1.993	2.983	5.5	21.0	6 30	18 27.58	-29 31.7	1.842	2.855	2.4	21.5
7 10	18 17.48	-39 21.3	2.013	2.982	7.1	21.1	7 10	18 18.01	-29 42.4	1.860	2.854	5.4	21.7
7 20	18 8.77	-39 12.0	2.058	2.982	9.8	21.3	7 20	18 9.62	-29 45.0	1.905	2.852	9.0	21.9
7 30	18 2.21	-38 50.2	2.126	2.982	12.4	21.5	7 30	18 3.27	-29 40.7	1.972	2.851	12.3	22.1
326111	2011 <i>GG</i> ₆₁		6 28.2 39°36		2°8/27.5 18		74090	1998 <i>QU</i>		6 28.3 339°83		0°9/28.3 18	
5 21	18 57.88	-25 21.0	1.595	2.435	16.5	19.7	5 21	18 56.65	-26 16.8	1.327	2.182	18.3	18.6
5 31	18 53.90	-26 34.9	1.525	2.442	12.9	19.5	5 31	18 53.43	-26 4.0	1.251	2.176	14.5	18.3
6 10	18 47.01	-27 53.6	1.476	2.449	8.8	19.3	6 10	18 46.92	-25 49.3	1.193	2.170	9.8	18.0
6 20	18 37.82	-29 11.3	1.451	2.456	4.6	19.1	6 20	18 37.85	-25 30.5	1.157	2.165	4.7	17.7
6 30	18 27.41	-30 21.9	1.452	2.464	3.1	19.0	6 30	18 27.47	-25 6.2	1.144	2.160	1.3	17.4
7 10	18 17.16	-31 20.4	1.479	2.471	6.6	19.2	7 10	18 17.38	-24 36.7	1.155	2.156	6.6	17.8
7 20	18 8.39	-32 4.8	1.531	2.480	10.7	19.5	7 20	18 9.04	-24 4.1	1.190	2.152	11.7	18.1
7 30	18 2.14	-32 36.0	1.605	2.488	14.4	19.7	7 30	18 3.57	-23 31.6	1.245	2.150	16.2	18.3
370285	2002 <i>QS</i> ₁₀₂		6 28.2 321°57		2°0/28.3 17		377845	2006 <i>BV</i> ₁₇₃		6 28.3 230°38		1°9/27.8 18	
5 21	18 55.25	-20 29.2	1.358	2.210	18.1	21.5	5 21	18 58.47	-24 59.3	1.830	2.660	15.1	20.6
5 31	18 52.20	-20 3.1	1.276	2.199	14.4	21.3	5 31	18 54.08	-25 48.4	1.745	2.656	11.9	20.3
6 10	18 46.04	-19 40.0	1.213	2.189	9.9	21.0	6 10	18 47.02	-26 41.3	1.681	2.652	8.1	20.1
6 20	18 37.43	-19 19.9	1.172	2.179	5.0	20.7	6 20	18 37.83	-27 34.0	1.642	2.648	4.0	19.9
6 30	18 27.49	-19 2.8	1.154	2.169	2.2	20.4	6 30	18 27.47	-28 22.0	1.630	2.644	2.1	19.7
7 10	18 17.70	-18 49.1	1.161	2.160	6.7	20.7	7 10	18 17.15	-29 2.0	1.644	2.639	5.8	19.9
7 20	18 9.45	-18 39.3	1.190	2.151	11.8	21.0	7 20	18 8.05	-29 32.4	1.685	2.634	9.9	20.2
7 30	18 3.88	-18 34.1	1.240	2.144	16.3	21.2	7 30	18 1.20	-29 53.9	1.748	2.629	13.5	20.4
498501	2008 <i>DJ</i> ₂		6 28.2 196°66		0°8/28.2 17		15104	2000 <i>BV</i> ₃		6 28.3 240°31		1°6/28.6 18	
5 21	19 1.16	-24 56.5	1.935	2.757	14.7	22.7	5 21	18 55.35	-17 4.4	2.053	2.874	14.0	17.5
5 31	18 55.87	-25 4.3	1.848	2.754	11.6	22.4	5 31	18 51.15	-17 22.3	1.965	2.869	11.1	17.2
6 10	18 48.02	-25 12.6	1.782	2.751	7.8	22.2	6 10	18 44.77	-17 47.6	1.899	2.865	7.6	17.0
6 20	18 38.19	-25 19.1	1.741	2.747	3.7	21.9	6 20	18 36.70	-18 19.0	1.857	2.861	3.9	16.8
6 30	18 27.35	-25 21.7	1.727	2.743	1.1	21.7	6 30	18 27.72	-18 54.7	1.842	2.857	1.7	16.6
7 10	18 16.67	-25 19.3	1.741	2.738	5.3	22.0	7 10	18 18.81	-19 32.6	1.855	2.852	4.9	16.8
7 20	18 7.26	-25 12.4	1.781	2.732	9.3	22.3	7 20	18 10.90	-20 10.9	1.895	2.848	8.7	17.1
7 30	18 0.02	-25 2.4	1.846	2.726	13.0	22.5	7 30	18 4.79	-20 48.2	1.958	2.843	12.1	17.3
442936	2013 <i>CL</i> ₇₁		6 28.2 335°11		3°2/28.4 18		416463	2003 <i>WV</i> ₅₈					

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6 28.3

6 28.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
58817	1998 <i>GJ</i> ₁₁		6 28.3 147°77'	13°1'	27.3	17	216392	2008 <i>CT</i> ₁₈₇		6 28.3 36°52'	3°2'	28.5	17
5 21	19 28.77	-63 38.0	2.394	3.072	15.9	20.4	5 21	18 53.99	-15 58.3	1.993	2.816	14.3	19.9
5 31	19 19.92	-65 7.9	2.342	3.082	14.8	20.3	5 31	18 49.96	-15 25.6	1.918	2.822	11.3	19.7
6 10	19 5.55	-66 18.3	2.307	3.092	13.9	20.3	6 10	18 43.86	-14 58.1	1.864	2.828	8.0	19.5
6 20	18 46.67	-66 59.2	2.291	3.101	13.2	20.2	6 20	18 36.25	-14 36.6	1.835	2.834	4.7	19.3
6 30	18 25.65	-67 3.0	2.296	3.109	13.1	20.2	6 30	18 27.95	-14 21.8	1.832	2.841	3.2	19.2
7 10	18 5.64	-66 28.7	2.321	3.117	13.5	20.3	7 10	18 19.88	-14 13.9	1.856	2.847	5.6	19.4
7 20	17 49.32	-65 21.2	2.366	3.124	14.3	20.4	7 20	18 12.91	-14 12.5	1.905	2.854	8.9	19.6
7 30	17 38.16	-63 49.6	2.429	3.130	15.3	20.4	7 30	18 7.72	-14 17.2	1.979	2.862	12.1	19.8
437073	2012 <i>UK</i> ₅₉		6 28.3 9°11'	12°0'	26.9	18	89323	2001 <i>VA</i> ₄₄		6 28.3 226°29'	2°4'	27.8	18
5 21	18 55.19	+ 1 22.5	1.771	2.544	17.7	20.3	5 21	18 58.79	-26 23.3	1.828	2.659	15.1	19.7
5 31	18 51.10	+ 3 34.1	1.703	2.545	15.6	20.1	5 31	18 54.37	-27 11.1	1.744	2.655	11.9	19.4
6 10	18 44.73	+ 5 31.3	1.655	2.546	13.6	20.0	6 10	18 47.26	-28 1.4	1.681	2.651	8.1	19.2
6 20	18 36.67	+ 7 6.9	1.629	2.547	12.3	19.9	6 20	18 38.00	-28 50.0	1.643	2.648	4.2	19.0
6 30	18 27.78	+ 8 14.9	1.626	2.549	12.0	19.9	6 30	18 27.56	-29 32.4	1.631	2.644	2.6	18.9
7 10	18 19.09	+ 8 52.4	1.646	2.551	13.0	20.0	7 10	18 17.18	-30 5.5	1.646	2.639	6.0	19.1
7 20	18 11.54	+ 9 0.0	1.687	2.553	14.7	20.1	7 20	18 8.07	-30 28.3	1.687	2.635	9.9	19.3
7 30	18 5.93	+ 8 41.3	1.747	2.556	16.7	20.2	7 30	18 1.22	-30 41.7	1.751	2.631	13.5	19.5
56	<i>Melete</i>		6 28.3 345°56'	8°1'	28.7	18	318575	2005 <i>GY</i> ₁₄₆		6 28.3 319°83'	3°0'	28.4	17
5 21	18 47.69	- 9 51.1	1.194	2.050	19.9	11.2	5 21	18 54.23	-18 37.5	1.309	2.163	18.6	20.1
5 31	18 46.46	- 8 46.2	1.119	2.035	16.5	11.0	5 31	18 51.56	-18 5.1	1.225	2.148	14.8	19.8
6 10	18 42.29	- 7 53.5	1.061	2.022	12.8	10.7	6 10	18 45.76	-17 37.1	1.159	2.134	10.4	19.5
6 20	18 35.76	- 7 18.3	1.022	2.011	9.4	10.5	6 20	18 37.43	-17 14.5	1.115	2.120	5.6	19.2
6 30	18 27.95	- 7 4.5	1.005	2.001	8.2	10.4	6 30	18 27.67	-16 58.0	1.094	2.107	3.2	19.0
7 10	18 20.24	- 7 13.5	1.008	1.993	10.3	10.5	7 10	18 17.98	-16 48.1	1.096	2.094	7.3	19.2
7 20	18 13.99	- 7 43.5	1.032	1.986	14.0	10.7	7 20	18 9.80	-16 45.0	1.120	2.082	12.3	19.5
7 30	18 10.31	- 8 30.2	1.075	1.982	18.0	10.9	7 30	18 4.33	-16 48.6	1.165	2.071	17.0	19.7
253936	2004 <i>CP</i> ₉₃		6 28.3 131°95'	1°2'	28.3	17	364410	2006 <i>VA</i> ₁₅₃		6 28.3 214°63'	5°8'	26.7	18
5 21	19 0.79	-21 30.3	1.803	2.627	15.5	20.9	5 21	19 2.92	-45 20.0	3.411	4.173	10.1	23.1
5 31	18 55.47	-21 8.5	1.730	2.637	12.2	20.7	5 31	18 56.68	-46 12.2	3.317	4.163	8.6	23.0
6 10	18 47.64	-20 48.3	1.678	2.647	8.2	20.5	6 10	18 48.33	-46 56.8	3.245	4.152	7.1	22.9
6 20	18 37.98	-20 29.1	1.651	2.657	4.0	20.3	6 20	18 38.36	-47 29.6	3.200	4.140	6.1	22.8
6 30	18 27.52	-20 10.6	1.650	2.666	1.4	20.1	6 30	18 27.50	-47 47.5	3.181	4.127	5.9	22.8
7 10	18 17.42	-19 53.1	1.677	2.674	5.4	20.4	7 10	18 16.65	-47 48.9	3.191	4.114	6.7	22.8
7 20	18 8.71	-19 37.4	1.730	2.682	9.4	20.7	7 20	18 6.72	-47 34.6	3.226	4.100	8.2	22.9
7 30	18 2.23	-19 24.3	1.806	2.690	13.0	20.9	7 30	17 58.47	-47 7.1	3.286	4.085	9.8	23.0
203979	2003 <i>SG</i> ₂₃₂		6 28.3 318°80'	0°6'	28.4	16	476317	2007 <i>XC</i> ₄₄		6 28.3 166°39'	0°5'	28.2	18
5 21	18 54.68	-20 28.1	1.708	2.546	15.6	19.7	5 21	18 56.15	-22 37.2	2.231	3.053	13.0	21.1
5 31	18 51.17	-20 43.4	1.622	2.538	12.3	19.5	5 31	18 51.65	-23 9.2	2.147	3.054	10.2	20.9
6 10	18 45.08	-21 4.2	1.557	2.530	8.4	19.3	6 10	18 45.05	-23 44.6	2.086	3.055	6.8	20.7
6 20	18 36.96	-21 29.0	1.515	2.522	4.0	19.0	6 20	18 36.85	-24 21.2	2.050	3.057	3.2	20.5
6 30	18 27.73	-21 55.5	1.498	2.514	1.0	18.7	6 30	18 27.82	-24 56.2	2.042	3.058	0.9	20.3
7 10	18 18.57	-22 21.5	1.508	2.507	5.5	19.0	7 10	18 18.89	-25 27.6	2.062	3.059	4.6	20.6
7 20	18 10.61	-22 45.7	1.542	2.500	9.9	19.3	7 20	18 10.95	-25 54.3	2.109	3.059	8.1	20.8
7 30	18 4.84	-23 7.6	1.599	2.494	13.8	19.5	7 30	18 4.75	-26 16.2	2.180	3.060	11.3	21.0
206006	2002 <i>PZ</i> ₉₈		6 28.3 319°04'	1°8'	28.7	18	55723	1979 <i>MP</i> ₂		6 28.3 19°91'	0°4'	28.3	18
5 21	18 53.01	-16 51.5	1.637	2.476	16.2	19.6	5 21	18 55.94	-23 38.6	1.969	2.798	14.2	19.4
5 31	18 50.06	-17 10.1	1.544	2.459	12.9	19.4	5 31	18 51.63	-23 16.5	1.889	2.800	11.1	19.2
6 10	18 44.48	-17 38.6	1.470	2.442	9.0	19.1	6 10	18 45.05	-22 54.2	1.831	2.802	7.5	19.0
6 20	18 36.75	-18 16.1	1.420	2.425	4.6	18.8	6 20	18 36.83	-22 30.9	1.798	2.805	3.5	18.7
6 30	18 27.77	-19 0.4	1.394	2.409	2.0	18.6	6 30	18 27.84	-22 6.5	1.791	2.807	0.8	18.5
7 10	18 18.72	-19 48.7	1.394	2.393	5.9	18.8	7 10	18 19.12	-21 41.6	1.812	2.810	4.9	18.8
7 20	18 10.79	-20 37.9	1.419	2.378	10.4	19.0	7 20	18 11.59	-21 17.0	1.858	2.813	8.7	19.1
7 30	18 5.04	-21 26.0	1.466	2.364	14.6	19.2	7 30	18 6.01	-20 54.3	1.929	2.816	12.1	19.3
8871	<i>Svanberg</i>		6 28.3 14°28'	4°5'	29.3	18	143564	2003 <i>ER</i> ₄₇		6 28.3 45°82'	4°6'	28.6	18
5 21	18 52.87	- 9 8.9	2.164	2.967	14.0	17.8	5 21	18 54.28	-12 48.0	1.899	2.718	15.1	19.4
5 31	18 48.99	- 9 3.3	2.081	2.967	11.4	17.7	5 31	18 50.15	-12 0.1	1.834	2.732	12.1	19.2
6 10	18 43.18	- 9 8.8	2.020	2.968	8.5	17.5	6 10	18 43.95	-11 19.7	1.790	2.747	8.8	19.1
6 20	18 35.95	- 9 26.0	1.982	2.969	5.8	17.3	6 20	18 36.28	-10 48.6	1.770	2.761	5.8	18.9
6 30	18 27.98	- 9 54.7	1.971	2.970	4.6	17.2	6 30	18 27.97	-10 28.2	1.776	2.777	4.7	18.9
7 10	18 20.13	-10 33.5	1.987	2.970	6.1	17.3	7 10	18 19.99	-10 18.7	1.808	2.792	6.5	19.0
7 20	18 13.19	-11 20.2	2.029	2.971	8.9	17.5	7 20	18 13.16	-10 19.7	1.866	2.808	9.5	19.2
7 30	18 7.84	-12 12.3	2.095	2.973	11.7	17.7	7 30	18 8.17	-10 29.8	1.946	2.824	12.5	19.4
311532	2005 <i>YM</i> ₆₂		6 28.3 176°97'	0°3'	28.2	18	398984	2013 <i>EA</i> ₈₂		6 28.3 227°37'	4°2'	29.0	18
5 21	18 54.16	-23 3.4	2.893	3.704	10.6	21.9	5 21	18 52.65	- 9 59.8	2.501	3.298	12.5	21.5
5 31	18 49.57	-23 21.0	2.804	3.706	8.3	21.8	5 31	18 48.57	- 9 43.1	2.411	3.294	10.1	21.4
6 10	18 43.37	-23 40.4	2.739	3.707	5.5	21.6	6 10	18 42.80	- 9 34.7	2.343	3.290	7.6	21.2
6 20	18 35.98	-23 59.9	2.701	3.707	2.6	21.4	6 20	18 35.76	- 9 35.6	2.301	3.286	5.2	21.0
6 30	18 27.99	-24 18.1	2.692	3.708	0.6	21.2	6 30	18 28.08	- 9 46.1	2.285	3.282	4.2	20.9
7 10	18 20.10	-24 34.1	2.711	3.708	3.6	21.5	7 10	18 20.48	-10 5.5	2.296	3.277	5.6	21.0
7 20	18 12.95	-24 47.2	2.759	3.708	6.5	21.6	7 20	18 13.65	-10 32.7	2.335	3.273	8.1	21.2
7 30	18 7.12	-24 57.7	2.833	3.707	9.1	21.8	7 30	18 8.20	-11 6.0	2.398	3.268	10.7	21.3
488648	2003 <i>SM</i> ₇₈		6 28.3 313°48'	0°5'	28.3	16	470425	2007 <i>VX</i> ₂₄					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
355869	2008 <i>UW</i> ₃₂₉		6 28.3 65°66	4.4/27.7	17		387789	2003 <i>UA</i> ₃₅₁		6 28.3 260°23	0.8/28.2	17	
5 21	19 1.33	-29 46.1	1.280	2.130	19.2	21.1	5 21	18 56.68	-23 53.2	1.922	2.752	14.5	21.5
5 31	18 57.42	-30 37.6	1.214	2.134	15.2	20.8	5 31	18 52.48	-24 15.6	1.837	2.748	11.4	21.3
6 10	18 49.83	-31 28.5	1.167	2.139	10.7	20.6	6 10	18 45.84	-24 40.5	1.773	2.744	7.7	21.1
6 20	18 39.32	-32 12.1	1.141	2.143	6.2	20.3	6 20	18 37.32	-25 5.6	1.733	2.740	3.6	20.8
6 30	18 27.32	-32 42.0	1.139	2.148	4.6	20.2	6 30	18 27.80	-25 28.2	1.720	2.736	1.1	20.6
7 10	18 15.68	-32 54.7	1.161	2.152	8.1	20.5	7 10	18 18.39	-25 46.3	1.734	2.732	5.2	20.9
7 20	18 6.06	-32 51.2	1.205	2.157	12.7	20.7	7 20	18 10.13	-25 59.4	1.774	2.728	9.2	21.1
7 30	17 59.73	-32 35.7	1.270	2.162	16.8	21.0	7 30	18 3.92	-26 7.9	1.837	2.723	12.7	21.3
69820	1998 <i>RR</i> ₆₃		6 28.3 219°32	2.7/28.7	18		475860	2007 <i>BT</i> ₇₉		6 28.3 151°24	1.9/28.2	18	
5 21	18 55.18	-15 13.2	2.031	2.849	14.2	19.3	5 21	18 56.48	-29 30.4	2.476	3.293	12.0	21.4
5 31	18 51.00	-15 9.9	1.946	2.847	11.3	19.1	5 31	18 51.70	-29 35.2	2.392	3.295	9.4	21.2
6 10	18 44.66	-15 13.8	1.881	2.844	8.0	18.9	6 10	18 44.96	-29 37.1	2.331	3.297	6.5	21.0
6 20	18 36.70	-15 24.9	1.842	2.842	4.5	18.7	6 20	18 36.78	-29 34.3	2.296	3.299	3.4	20.8
6 30	18 27.89	-15 42.5	1.829	2.840	2.8	18.6	6 30	18 27.94	-29 25.1	2.289	3.301	2.0	20.7
7 10	18 19.19	-16 5.4	1.843	2.837	5.4	18.7	7 10	18 19.30	-29 9.4	2.309	3.302	4.5	20.9
7 20	18 11.50	-16 32.2	1.883	2.834	8.9	18.9	7 20	18 11.67	-28 48.1	2.357	3.304	7.6	21.1
7 30	18 5.61	-17 1.6	1.948	2.831	12.2	19.1	7 30	18 5.73	-28 22.9	2.430	3.305	10.4	21.3
72115	2000 <i>YQ</i> ₆₁		6 28.3 37°00	1.5/28.4	18		506694	2006 <i>TA</i> ₉₂		6 28.3 286°46	0.8/28.2	18	
5 21	18 59.69	-29 11.0	1.597	2.434	16.6	18.4	5 21	18 58.03	-24 22.3	1.556	2.397	16.8	22.4
5 31	18 55.05	-28 45.1	1.528	2.442	13.0	18.2	5 31	18 54.39	-24 32.0	1.458	2.375	13.3	22.1
6 10	18 47.56	-28 13.9	1.479	2.451	8.9	18.0	6 10	18 47.68	-24 44.0	1.379	2.353	9.1	21.8
6 20	18 38.03	-27 35.5	1.454	2.460	4.3	17.8	6 20	18 38.40	-24 55.7	1.323	2.330	4.3	21.4
6 30	18 27.65	-26 49.8	1.454	2.470	1.7	17.6	6 30	18 27.57	-25 4.2	1.292	2.308	1.2	21.1
7 10	18 17.78	-25 58.2	1.481	2.479	5.8	17.9	7 10	18 16.61	-25 7.6	1.286	2.285	6.3	21.4
7 20	18 9.60	-25 4.2	1.533	2.490	10.1	18.2	7 20	18 6.98	-25 5.8	1.304	2.262	11.3	21.6
7 30	18 3.95	-24 11.4	1.608	2.500	13.9	18.4	7 30	17 59.91	-25 0.2	1.344	2.240	15.9	21.9
101946	1999 <i>RR</i> ₂₆		6 28.3 272°52	4.2/27.8	18		178687	2000 <i>SX</i> ₁₅		6 28.3 214°36	4.6/28.8	18	
5 21	18 57.69	-35 3.6	2.340	3.153	12.7	19.9	5 21	18 53.44	-9 37.7	2.495	3.290	12.6	20.3
5 31	18 53.04	-35 30.2	2.249	3.144	10.2	19.7	5 31	18 49.18	-9 6.9	2.406	3.286	10.3	20.1
6 10	18 46.08	-35 51.8	2.180	3.136	7.5	19.5	6 10	18 43.22	-8 43.9	2.338	3.282	7.7	20.0
6 20	18 37.37	-36 4.5	2.136	3.127	5.0	19.3	6 20	18 35.99	-8 30.0	2.295	3.277	5.5	19.8
6 30	18 27.76	-36 5.5	2.119	3.118	4.2	19.3	6 30	18 28.11	-8 26.1	2.280	3.273	4.6	19.8
7 10	18 18.28	-35 53.8	2.129	3.109	6.0	19.4	7 10	18 20.33	-8 32.2	2.292	3.268	5.9	19.8
7 20	18 9.91	-35 30.3	2.165	3.100	8.8	19.5	7 20	18 13.33	-8 47.5	2.330	3.263	8.4	20.0
7 30	18 3.48	-34 57.8	2.226	3.091	11.6	19.7	7 30	18 7.73	-9 10.6	2.393	3.257	10.9	20.1
257895	2000 <i>SL</i> ₃₇₀		6 28.3 339°00	7.0/27.3	17		415171	2012 <i>FW</i> ₆₇		6 28.3 136°80	1.5/28.1	17	
5 21	18 53.97	-32 40.7	1.076	1.948	20.5	19.7	5 21	19 1.45	-25 50.3	1.790	2.617	15.5	22.1
5 31	18 52.62	-33 49.1	1.005	1.935	16.6	19.4	5 31	18 56.25	-26 14.9	1.718	2.626	12.1	21.9
6 10	18 47.23	-34 56.1	0.950	1.924	12.2	19.1	6 10	18 48.37	-26 40.3	1.666	2.636	8.2	21.7
6 20	18 38.38	-35 53.0	0.915	1.914	8.2	18.9	6 20	18 38.47	-27 3.1	1.638	2.644	4.0	21.4
6 30	18 27.52	-36 30.8	0.901	1.905	7.1	18.8	6 30	18 27.60	-27 20.3	1.638	2.652	1.8	21.3
7 10	18 16.76	-36 44.0	0.908	1.897	10.4	18.9	7 10	18 17.02	-27 30.1	1.664	2.660	5.6	21.6
7 20	18 8.15	-36 33.4	0.935	1.891	15.0	19.2	7 20	18 7.88	-27 32.8	1.717	2.667	9.6	21.8
7 30	18 3.27	-36 4.2	0.980	1.885	19.4	19.4	7 30	18 1.08	-27 29.9	1.792	2.674	13.2	22.1
290686	2005 <i>UW</i> ₃₅₄		6 28.3 216°95	5.0/27.4	18		514563	2017 <i>XB</i> ₅₉		6 28.3 221°97	5.6/29.4	18	
5 21	18 58.56	-37 45.4	2.513	3.318	12.2	20.6	5 21	18 56.09	-6 29.8	2.220	3.006	14.2	21.9
5 31	18 53.63	-38 28.8	2.428	3.315	10.0	20.5	5 31	18 51.53	-6 15.5	2.125	2.997	11.8	21.7
6 10	18 46.45	-39 6.4	2.366	3.311	7.6	20.3	6 10	18 44.97	-6 13.1	2.051	2.988	9.1	21.5
6 20	18 37.54	-39 34.1	2.328	3.308	5.6	20.2	6 20	18 36.87	-6 24.1	2.002	2.978	6.6	21.4
6 30	18 27.74	-39 48.4	2.318	3.304	5.1	20.1	6 30	18 27.92	-6 49.1	1.979	2.968	5.6	21.3
7 10	18 18.08	-39 48.0	2.334	3.301	6.5	20.2	7 10	18 18.99	-7 27.1	1.983	2.957	6.9	21.4
7 20	18 9.50	-39 33.7	2.377	3.297	8.8	20.4	7 20	18 10.90	-8 16.0	2.013	2.945	9.5	21.5
7 30	18 2.83	-39 8.0	2.443	3.293	11.2	20.5	7 30	18 4.43	-9 12.8	2.068	2.933	12.4	21.7
188152	2002 <i>GK</i>		6 28.3 131°70	4.9/29.4	18		3771	Alexejtolstoj		6 28.3 266°92	1.7/28.4	18	
5 21	18 53.20	-4 31.7	3.097	3.861	11.0	21.6	5 21	18 59.46	-20 37.6	1.523	2.360	17.3	17.7
5 31	18 48.50	-4 6.8	3.023	3.877	9.2	21.5	5 31	18 55.38	-20 16.3	1.429	2.343	13.8	17.4
6 10	18 42.48	-3 51.1	2.972	3.892	7.2	21.3	6 10	18 48.25	-19 57.7	1.353	2.325	9.5	17.1
6 20	18 35.54	-3 45.6	2.946	3.907	5.6	21.3	6 20	18 38.61	-19 41.2	1.301	2.307	4.7	16.8
6 30	18 28.19	-3 51.0	2.948	3.921	4.9	21.2	6 30	18 27.53	-19 26.4	1.274	2.289	1.9	16.6
7 10	18 20.99	-4 6.8	2.978	3.935	5.7	21.3	7 10	18 16.43	-19 13.2	1.272	2.270	6.5	16.8
7 20	18 14.47	-4 31.9	3.035	3.948	7.4	21.4	7 20	18 6.70	-19 2.5	1.294	2.251	11.5	17.0
7 30	18 9.08	-5 4.6	3.117	3.961	9.2	21.6	7 30	17 59.54	-18 55.1	1.338	2.232	16.0	17.2
311182	2004 <i>VA</i> ₆₃		6 28.3 226°31	3.4/28.5	17		102885	1999 <i>XX</i> ₁		6 28.3 253°90	1.1/28.4	18	
5 21	18 59.38	-16 9.6	1.655	2.480	16.7	21.3	5 21	18 59.71	-20 54.6	1.837	2.661	15.3	19.9
5 31	18 54.84	-15 41.6	1.567	2.472	13.3	21.0	5 31	18 55.06	-20 43.1	1.735	2.643	12.1	19.6
6 10	18 47.58	-15 19.6	1.500	2.464	9.4	20.8	6 10	18 47.75	-20 34.0	1.655	2.624	8.3	19.4
6 20	18 38.17	-15 4.4	1.455	2.456	5.4	20.5	6 20	18 38.30	-20 26.6	1.598	2.604	4.1	19.1
6 30	18 27.62	-14 56.3	1.437	2.447	3.5	20.4	6 30	18 27.61	-20 20.0	1.568	2.584	1.4	18.8
7 10	18 17.16	-14 55.5	1.444	2.438	6.6	20.5	7 10	18 16.88	-20 13.7	1.565	2.563	5.6	19.1
7 20	18 8.00	-15 1.4	1.477	2.428	10.9	20.8	7 20	18 7.29	-20 8.0	1.588	2.541	10.1	19.3
7 30	18 1.13	-15 13.5	1.532	2.418	14.8	21.0	7 30	17 59.85	-20 3.6	1.634	2.519	14.1	19.5
514470	2016 <i>UG</i> ₁₄₆		6 28.3 256°86	0.5/28.2	18		433355	2013 <i>RY</i> ₉₁		6 28.3 265°			

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
87196	2000 <i>OG</i> ₂₀	6 28.3 259°50		1°0/28.4 18			450859	2007 <i>XJ</i> ₂₄	6 28.3 226°19		11°3/23.9 17		
5 21	18 58.84	-21 1.2	2.120	2.937	13.8	20.1	5 21	19 10.38	-36 4.7	1.245	2.079	20.5	20.7
5 31	18 54.04	-20 49.4	2.010	2.914	10.9	19.8	5 31	19 6.24	-39 5.7	1.173	2.074	17.1	20.4
6 10	18 46.88	-20 39.4	1.923	2.890	7.5	19.6	6 10	18 57.21	-42 11.9	1.121	2.069	13.7	20.2
6 20	18 37.85	-20 30.6	1.860	2.866	3.7	19.3	6 20	18 43.51	-45 6.3	1.092	2.063	11.5	20.1
6 30	18 27.72	-20 22.2	1.825	2.841	1.2	19.1	6 30	18 26.49	-47 29.9	1.087	2.057	11.8	20.1
7 10	18 17.52	-20 13.9	1.819	2.815	5.1	19.3	7 10	18 8.71	-49 9.7	1.106	2.050	14.4	20.2
7 20	18 8.27	-20 6.0	1.838	2.789	9.1	19.5	7 20	17 53.07	-50 3.7	1.146	2.043	18.0	20.4
7 30	18 0.87	-19 59.3	1.883	2.762	12.8	19.6	7 30	17 42.00	-50 20.0	1.204	2.035	21.4	20.6
177065	2003 <i>FP</i> ₇	6 28.3 93°94		2°7/28.7 17			336326	2008 <i>TE</i> ₇₅	6 28.3 189°75		0°6/28.4 17		
5 21	18 53.92	-15 21.1	2.226	3.041	13.2	20.8	5 21	18 56.96	-21 27.9	1.962	2.788	14.4	21.4
5 31	18 49.77	-15 9.3	2.145	3.044	10.5	20.6	5 31	18 52.53	-21 28.6	1.879	2.788	11.3	21.2
6 10	18 43.71	-15 3.6	2.085	3.047	7.4	20.5	6 10	18 45.79	-21 32.2	1.818	2.788	7.6	21.0
6 20	18 36.24	-15 4.0	2.051	3.050	4.2	20.3	6 20	18 37.30	-21 37.4	1.781	2.787	3.6	20.7
6 30	18 28.09	-15 10.3	2.043	3.053	2.7	20.2	6 30	18 27.92	-21 43.0	1.770	2.787	0.9	20.5
7 10	18 20.09	-15 22.0	2.063	3.056	5.0	20.3	7 10	18 18.72	-21 47.9	1.787	2.786	4.9	20.8
7 20	18 13.03	-15 38.0	2.110	3.059	8.2	20.5	7 20	18 10.66	-21 52.0	1.831	2.785	8.9	21.0
7 30	18 7.59	-15 57.5	2.181	3.062	11.2	20.7	7 30	18 4.56	-21 55.5	1.898	2.784	12.4	21.3
336723	2010 <i>CD</i> ₁₈₀	6 28.3 124°24		5°4/28.1 18			130715	2000 <i>SV</i> ₂₀₃	6 28.3 357°03		4°4/27.8 18		
5 21	19 2.64	-37 25.8	1.928	2.742	15.0	20.5	5 21	18 54.45	-29 0.9	1.076	1.948	20.4	18.9
5 31	18 57.30	-37 51.2	1.854	2.747	12.2	20.3	5 31	18 52.65	-29 49.2	1.011	1.944	16.2	18.6
6 10	18 49.12	-38 8.3	1.800	2.751	9.1	20.1	6 10	18 47.00	-30 37.9	0.963	1.941	11.4	18.4
6 20	18 38.83	-38 12.2	1.769	2.756	6.4	19.9	6 20	18 38.20	-31 20.5	0.935	1.940	6.5	18.1
6 30	18 27.57	-37 59.4	1.765	2.760	5.5	19.9	6 30	18 27.72	-31 50.2	0.928	1.939	4.6	18.0
7 10	18 16.70	-37 29.6	1.787	2.764	7.3	20.0	7 10	18 17.53	-32 3.2	0.943	1.940	8.6	18.2
7 20	18 7.43	-36 45.4	1.834	2.768	10.2	20.2	7 20	18 9.45	-31 59.8	0.979	1.941	13.6	18.5
7 30	18 0.68	-35 51.5	1.905	2.772	13.2	20.4	7 30	18 4.84	-31 44.0	1.034	1.944	18.2	18.8
346139	2007 <i>VX</i> ₂₂₄	6 28.3 337°27		1°7/28.0 18			334198	2001 <i>SW</i> ₂₄₀	6 28.3 323°59		11°5/28.9 18		
5 21	18 56.02	-25 42.3	1.838	2.673	14.8	20.7	5 21	18 50.31	- 2 17.1	1.338	2.159	20.1	20.8
5 31	18 52.13	-26 13.0	1.756	2.670	11.6	20.5	5 31	18 48.35	- 0 58.9	1.253	2.138	17.4	20.6
6 10	18 45.70	-26 45.5	1.695	2.667	7.9	20.2	6 10	18 43.59	+ 0 2.7	1.185	2.117	14.6	20.3
6 20	18 37.30	-27 16.6	1.658	2.664	3.9	20.0	6 20	18 36.51	+ 0 40.6	1.136	2.097	12.3	20.1
6 30	18 27.87	-27 43.1	1.648	2.662	1.9	19.8	6 30	18 28.06	+ 0 48.9	1.108	2.078	11.5	20.0
7 10	18 18.56	-28 2.7	1.664	2.660	5.5	20.1	7 10	18 19.53	+ 0 25.4	1.100	2.059	12.8	20.0
7 20	18 10.48	-28 14.9	1.705	2.658	9.5	20.3	7 20	18 12.22	- 0 27.9	1.112	2.042	15.6	20.1
7 30	18 4.55	-28 20.7	1.769	2.656	13.1	20.5	7 30	18 7.29	- 1 45.3	1.144	2.026	19.0	20.3
152362	2005 <i>UD</i> ₁₄₁	6 28.3 290°88		0°4/28.4 18			428205	2006 <i>UO</i> ₂₇₈	6 28.3 243°65		0°2/28.3 17		
5 21	18 53.94	-21 14.4	2.238	3.062	12.9	20.1	5 21	18 59.68	-22 36.1	1.857	2.682	15.1	22.4
5 31	18 49.99	-21 24.5	2.145	3.053	10.1	19.9	5 31	18 55.01	-22 36.7	1.760	2.668	11.9	22.2
6 10	18 43.99	-21 37.9	2.075	3.044	6.9	19.7	6 10	18 47.70	-22 39.5	1.684	2.654	8.1	21.9
6 20	18 36.44	-21 53.4	2.029	3.035	3.2	19.5	6 20	18 38.29	-22 42.9	1.632	2.639	3.8	21.6
6 30	18 28.06	-22 9.5	2.010	3.027	0.7	19.2	6 30	18 27.71	-22 45.0	1.608	2.624	0.8	21.4
7 10	18 19.73	-22 24.8	2.020	3.018	4.5	19.5	7 10	18 17.14	-22 45.1	1.610	2.608	5.4	21.7
7 20	18 12.31	-22 38.8	2.055	3.009	8.1	19.7	7 20	18 7.73	-22 43.0	1.638	2.592	9.8	21.9
7 30	18 6.56	-22 51.3	2.116	3.000	11.3	19.9	7 30	18 0.50	-22 39.7	1.690	2.575	13.7	22.1
209304	2003 <i>YN</i> ₁₃₅	6 28.3 233°83		4°1/27.7 18			306095	2010 <i>HB</i> ₅₁	6 28.3 286°97		0°8/28.4 18		
5 21	19 0.34	-34 39.1	2.458	3.264	12.4	21.4	5 21	18 55.27	-21 53.4	2.136	2.960	13.4	21.1
5 31	18 55.08	-35 12.7	2.360	3.252	10.0	21.2	5 31	18 51.14	-21 37.1	2.038	2.946	10.6	20.9
6 10	18 47.49	-35 42.1	2.285	3.239	7.3	21.0	6 10	18 44.84	-21 21.8	1.961	2.931	7.2	20.6
6 20	18 38.10	-36 3.3	2.235	3.225	4.9	20.8	6 20	18 36.87	-21 7.0	1.910	2.917	3.5	20.4
6 30	18 27.72	-36 13.2	2.212	3.211	4.1	20.7	6 30	18 28.02	-20 52.3	1.886	2.902	1.1	20.2
7 10	18 17.39	-36 10.0	2.218	3.196	6.0	20.8	7 10	18 19.23	-20 37.8	1.890	2.887	4.8	20.4
7 20	18 8.10	-35 54.6	2.250	3.181	8.8	21.0	7 20	18 11.42	-20 24.0	1.919	2.873	8.6	20.6
7 30	18 0.70	-35 29.3	2.307	3.165	11.5	21.1	7 30	18 5.39	-20 11.6	1.973	2.858	12.0	20.8
239659	2008 <i>WM</i> ₁₃₀	6 28.3 161°08		1°1/28.1 17			393667	2004 <i>RZ</i> ₆₆	6 28.3 304°43		7°3/29.3 18		
5 21	18 57.23	-24 52.5	2.082	2.907	13.7	21.0	5 21	18 51.49	- 3 19.5	2.158	2.944	14.5	20.6
5 31	18 52.68	-25 16.9	2.000	2.909	10.7	20.8	5 31	18 48.11	- 2 41.6	2.058	2.924	12.4	20.4
6 10	18 45.86	-25 42.8	1.941	2.910	7.2	20.6	6 10	18 42.78	- 2 16.3	1.979	2.903	10.1	20.2
6 20	18 37.31	-26 7.8	1.906	2.912	3.5	20.4	6 20	18 35.93	- 2 6.6	1.922	2.882	8.1	20.1
6 30	18 27.89	-26 29.1	1.898	2.913	1.3	20.2	6 30	18 28.21	- 2 14.4	1.890	2.862	7.3	20.0
7 10	18 18.63	-26 45.3	1.918	2.915	4.9	20.5	7 10	18 20.44	- 2 40.0	1.883	2.842	8.4	20.0
7 20	18 10.47	-26 55.8	1.965	2.916	8.6	20.7	7 20	18 13.46	- 3 21.9	1.900	2.822	10.6	20.1
7 30	18 4.23	-27 1.4	2.035	2.917	11.9	20.9	7 30	18 8.01	- 4 17.0	1.941	2.802	13.2	20.2
96378	1998 <i>BA</i>	6 28.3 238°49		0°5/28.3 18			64323	2001 <i>UW</i> ₄₁	6 28.3 123°39		3°4/28.7 17		
5 21	19 2.02	-25 1.1	1.794	2.619	15.6	19.7	5 21	18 59.30	-15 46.3	1.447	2.281	18.2	19.8
5 31	18 56.96	-24 56.3	1.697	2.605	12.3	19.5	5 31	18 54.98	-15 31.0	1.377	2.287	14.5	19.6
6 10	18 49.08	-24 51.1	1.620	2.590	8.4	19.2	6 10	18 47.75	-15 24.4	1.325	2.292	10.2	19.4
6 20	18 38.94	-24 43.4	1.568	2.575	4.0	18.9	6 20	18 38.29	-15 26.7	1.296	2.298	5.7	19.1
6 30	18 27.54	-24 31.4	1.543	2.559	1.0	18.6	6 30	18 27.74	-15 37.3	1.292	2.303	3.4	19.0
7 10	18 16.19	-24 14.7	1.544	2.542	5.7	18.9	7 10	18 17.48	-15 55.0	1.312	2.308	6.8	19.2
7 20	18 6.13	-23 54.2	1.572	2.525	10.2	19.1	7 20	18 8.78	-16 18.1	1.357	2.313	11.2	19.5
7 30	17 58.43	-23 32.1	1.623	2.507	14.2	19.4	7 30	18 2.62	-16 45.2	1.424	2.317	15.3	19.7
150877	2001 <i>SK</i> ₂₂₆	6 28.3 5°17</											

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
394008	2005 <i>VL</i> ₃₃		6 28.3 303°73	9°3/28.9	17		495018	2010 <i>RA</i> ₁₃₆		6 28.3 269°68	4°5/28.9	17	
5 21	18 51.59	+ 1 5.2	2.133	2.901	15.2	20.8	5 21	18 56.86	-12 50.9	1.557	2.384	17.4	21.3
5 31	18 48.16	+ 2 9.8	2.042	2.885	13.3	20.6	5 31	18 53.16	-12 34.8	1.466	2.371	14.1	21.0
6 10	18 42.79	+ 3 0.4	1.970	2.869	11.4	20.5	6 10	18 46.67	-12 29.5	1.395	2.357	10.3	20.7
6 20	18 35.92	+ 3 32.9	1.920	2.853	9.9	20.3	6 20	18 37.91	-12 36.1	1.346	2.343	6.4	20.5
6 30	18 28.23	+ 3 43.9	1.894	2.838	9.4	20.3	6 30	18 27.84	-12 55.0	1.321	2.328	4.5	20.3
7 10	18 20.55	+ 3 32.5	1.891	2.822	10.2	20.3	7 10	18 17.74	-13 24.9	1.322	2.314	7.3	20.5
7 20	18 13.67	+ 2 59.8	1.912	2.807	11.9	20.4	7 20	18 8.86	-14 3.6	1.347	2.299	11.5	20.7
7 30	18 8.35	+ 2 9.0	1.955	2.792	14.1	20.5	7 30	18 2.30	-14 48.5	1.393	2.285	15.6	20.9
471819	2012 <i>WQ</i> ₂₉		6 28.3 259°01	0°8/28.2	18		1555	Dejan		6 28.3 300°09	2°8/28.1	18	R
5 21	18 57.24	-24 9.8	2.214	3.034	13.1	22.2	5 21	18 58.07	-29 41.8	1.757	2.591	15.4	15.7
5 31	18 52.76	-24 33.0	2.110	3.017	10.3	22.0	5 31	18 54.28	-29 53.8	1.650	2.562	12.4	15.5
6 10	18 46.03	-24 58.6	2.030	2.999	7.0	21.7	6 10	18 47.56	-30 3.4	1.562	2.532	8.7	15.2
6 20	18 37.49	-25 24.3	1.974	2.980	3.3	21.5	6 20	18 38.39	-30 6.8	1.498	2.501	4.7	14.9
6 30	18 27.90	-25 47.6	1.946	2.961	1.1	21.3	6 30	18 27.74	-30 0.7	1.459	2.471	2.9	14.7
7 10	18 18.26	-26 6.6	1.946	2.942	4.8	21.5	7 10	18 16.94	-29 43.7	1.447	2.441	6.4	14.8
7 20	18 9.54	-26 20.7	1.973	2.923	8.6	21.7	7 20	18 7.35	-29 16.5	1.459	2.411	10.8	15.0
7 30	18 2.61	-26 30.1	2.024	2.903	12.0	21.9	7 30	18 0.18	-28 42.3	1.493	2.381	15.0	15.2
107348	2001 <i>CN</i> ₂₅		6 28.3 49°36	2°2/28.1	17		135035	2001 <i>NC</i> ₅		6 28.3 1°15	2°3/28.6	16	
5 21	18 59.03	-26 14.8	1.335	2.186	18.5	19.9	5 21	18 52.07	-17 55.8	1.495	2.343	17.0	20.0
5 31	18 55.21	-26 46.4	1.274	2.196	14.5	19.6	5 31	18 49.36	-17 47.1	1.421	2.341	13.4	19.8
6 10	18 48.11	-27 19.3	1.231	2.206	9.8	19.4	6 10	18 43.99	-17 45.3	1.367	2.340	9.3	19.5
6 20	18 38.51	-27 49.1	1.210	2.217	4.9	19.2	6 20	18 36.58	-17 50.1	1.335	2.340	4.8	19.3
6 30	18 27.72	-28 11.4	1.214	2.228	2.5	19.0	6 30	18 28.15	-18 0.9	1.327	2.341	2.4	19.1
7 10	18 17.36	-28 23.9	1.242	2.239	6.7	19.3	7 10	18 19.92	-18 16.3	1.344	2.343	6.1	19.4
7 20	18 8.85	-28 27.0	1.293	2.251	11.4	19.6	7 20	18 13.05	-18 35.0	1.384	2.346	10.5	19.6
7 30	18 3.25	-28 22.8	1.365	2.263	15.5	19.9	7 30	18 8.47	-18 56.0	1.447	2.350	14.4	19.9
331346	2012 <i>BT</i> ₁₂₆		6 28.3 163°76	4°1/27.9	17		498713	2008 <i>TN</i> ₉₀		6 28.3 265°01	1°5/28.5	17	
5 21	19 4.17	-32 29.0	1.799	2.619	15.7	22.0	5 21	18 59.32	-19 50.7	1.416	2.257	18.1	22.3
5 31	18 58.64	-33 1.3	1.722	2.624	12.5	21.8	5 31	18 55.54	-19 46.8	1.326	2.242	14.4	22.0
6 10	18 50.15	-33 29.4	1.666	2.628	8.9	21.6	6 10	18 48.54	-19 48.7	1.254	2.227	10.0	21.7
6 20	18 39.40	-33 48.3	1.635	2.632	5.4	21.4	6 20	18 38.88	-19 55.3	1.205	2.211	4.9	21.3
6 30	18 27.54	-33 54.0	1.629	2.635	4.2	21.3	6 30	18 27.65	-20 5.0	1.180	2.195	1.7	21.1
7 10	18 15.98	-33 45.2	1.651	2.637	6.8	21.5	7 10	18 16.36	-20 16.3	1.180	2.179	6.7	21.4
7 20	18 6.02	-33 23.3	1.698	2.639	10.4	21.7	7 20	18 6.53	-20 28.3	1.203	2.163	11.9	21.6
7 30	17 58.64	-32 52.3	1.768	2.641	13.8	21.9	7 30	17 59.42	-20 41.1	1.248	2.146	16.6	21.8
192487	1998 <i>HG</i> ₁₁		6 28.3 35°74	11°5/26.1	17		2772	Dugan		6 28.3 199°50	3°1/28.9	18	R
5 21	19 5.39	-47 8.7	1.648	2.449	17.7	19.8	5 21	18 59.65	-13 36.5	1.975	2.782	15.0	18.4
5 31	19 1.02	-48 55.9	1.589	2.454	15.4	19.6	5 31	18 54.63	-13 40.3	1.884	2.778	12.0	18.2
6 10	18 52.58	-50 30.0	1.549	2.460	13.2	19.5	6 10	18 47.25	-13 53.4	1.815	2.774	8.6	18.0
6 20	18 40.81	-51 40.6	1.530	2.465	11.7	19.4	6 20	18 38.05	-14 15.5	1.771	2.769	5.0	17.8
6 30	18 27.23	-52 19.3	1.534	2.471	11.6	19.4	6 30	18 27.85	-14 45.7	1.754	2.763	3.2	17.6
7 10	18 13.97	-52 23.2	1.559	2.478	12.8	19.5	7 10	18 17.70	-15 22.0	1.764	2.757	5.7	17.8
7 20	18 2.96	-51 55.3	1.606	2.484	14.7	19.6	7 20	18 8.61	-16 2.5	1.801	2.749	9.4	18.0
7 30	17 55.62	-51 3.1	1.672	2.491	16.9	19.8	7 30	18 1.45	-16 45.2	1.863	2.741	12.9	18.2
499699	2010 <i>YG</i> ₅		6 28.3 175°33	2°0/28.1	17		482168	2010 <i>TS</i> ₁₅₃		6 28.3 275°74	7°3/28.5	16	
5 21	19 1.90	-28 18.5	2.086	2.902	14.0	22.5	5 21	18 52.83	- 3 12.3	2.406	3.181	13.5	22.0
5 31	18 56.35	-28 35.6	2.003	2.905	11.0	22.3	5 31	18 48.88	- 2 12.2	2.309	3.165	11.5	21.8
6 10	18 48.35	-28 51.2	1.942	2.908	7.5	22.1	6 10	18 43.16	- 1 22.2	2.233	3.149	9.5	21.7
6 20	18 38.50	-29 2.1	1.906	2.909	3.9	21.9	6 20	18 36.08	- 0 45.2	2.181	3.132	7.8	21.5
6 30	18 27.74	-29 5.8	1.897	2.910	2.2	21.8	6 30	18 28.26	- 0 24.0	2.154	3.116	7.3	21.5
7 10	18 17.18	-29 1.3	1.917	2.910	5.3	22.0	7 10	18 20.44	- 0 19.4	2.153	3.099	8.3	21.5
7 20	18 7.88	-28 49.4	1.963	2.910	8.9	22.2	7 20	18 13.37	- 0 31.1	2.177	3.082	10.2	21.6
7 30	18 0.68	-28 32.0	2.034	2.909	12.2	22.4	7 30	18 7.69	- 0 57.1	2.224	3.066	12.5	21.7
381851	2009 <i>WL</i> ₂₄₇		6 28.3 188°35	1°9/28.4	18		388779	2007 <i>YA</i> ₇₂		6 28.3 96°19	4°8/27.9	18	
5 21	19 1.36	-29 31.7	1.778	2.605	15.6	20.3	5 21	18 59.70	-36 21.1	2.157	2.970	13.7	20.4
5 31	18 56.28	-29 17.0	1.696	2.605	12.3	20.1	5 31	18 54.75	-36 49.4	2.080	2.974	11.0	20.2
6 10	18 48.45	-28 57.4	1.636	2.605	8.4	19.8	6 10	18 47.31	-37 11.1	2.025	2.978	8.2	20.1
6 20	18 38.57	-28 30.5	1.600	2.604	4.3	19.6	6 20	18 38.03	-37 22.2	1.993	2.981	5.6	19.9
6 30	18 27.73	-27 55.2	1.590	2.604	2.0	19.4	6 30	18 27.87	-37 19.3	1.989	2.985	4.8	19.9
7 10	18 17.24	-27 12.2	1.607	2.604	5.6	19.7	7 10	18 18.01	-37 2.0	2.011	2.988	6.6	20.0
7 20	18 8.26	-26 24.3	1.650	2.603	9.8	19.9	7 20	18 9.46	-36 31.7	2.059	2.992	9.3	20.2
7 30	18 1.70	-25 35.0	1.717	2.602	13.5	20.1	7 30	18 3.09	-35 52.0	2.131	2.995	12.1	20.4
249588	1996 <i>RP</i> ₁₅		6 28.3 352°15	6°3/28.9	17		1447	Utra		6 28.3 174°10	2°6/27.9	18	R
5 21	18 51.64	-12 15.3	1.120	1.979	20.7	19.8	5 21	18 59.60	-28 18.3	1.807	2.636	15.3	15.9
5 31	18 49.77	-11 33.8	1.052	1.974	16.9	19.5	5 31	18 55.01	-28 50.2	1.727	2.637	12.0	15.7
6 10	18 44.69	-11 5.4	1.001	1.969	12.5	19.2	6 10	18 47.71	-29 21.5	1.669	2.638	8.3	15.5
6 20	18 37.03	-10 53.2	0.968	1.965	8.2	19.0	6 20	18 38.30	-29 48.5	1.635	2.638	4.4	15.3
6 30	18 28.03	-10 59.1	0.957	1.963	6.4	18.9	6 30	18 27.81	-30 7.4	1.627	2.639	2.8	15.2
7 10	18 19.23	-11 22.5	0.968	1.961	9.1	19.0	7 10	18 17.51	-30 16.4	1.646	2.639	6.0	15.4
7 20	18 12.09	-12 0.5	1.000	1.961	13.5	19.2	7 20	18 8.58	-30 15.7	1.690	2.639	9.9	15.6
7 30	18 7.79	-12 48.9	1.050	1.962	17.9	19.5	7 30	18 1.98	-30 7.3	1.757	2.639	13.4	15.8
312393	2008 <i>EE</i> ₁₆₂		6 28.3 13°73	4°2/29.3	18		491128	2011 <i>SN</i> ₁₂₅		6 28.3			

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
290076	2005 QA ₈₁		6 28.3 305°04	5°5/29.1	18		342682	2008 VT ₅₀		6 28.3 306°14	2°0/28.6	18	
5 21	18 52.58	- 8 34.0	2.077	2.881	14.4	20.7	5 21	18 55.16	-17 50.3	1.592	2.430	16.6	20.3
5 31	18 48.97	- 8 4.6	1.987	2.872	11.9	20.5	5 31	18 52.19	-17 53.4	1.478	2.393	13.4	20.0
6 10	18 43.36	- 7 45.4	1.918	2.863	9.1	20.3	6 10	18 46.32	-18 4.4	1.385	2.356	9.4	19.7
6 20	18 36.21	- 7 38.4	1.873	2.854	6.5	20.1	6 20	18 37.93	-18 23.4	1.314	2.319	4.9	19.3
6 30	18 28.24	- 7 44.5	1.853	2.845	5.5	20.1	6 30	18 27.86	-18 48.9	1.267	2.282	2.1	19.1
7 10	18 20.34	- 8 3.5	1.859	2.837	7.0	20.1	7 10	18 17.37	-19 19.2	1.246	2.245	6.5	19.2
7 20	18 13.33	- 8 34.0	1.891	2.828	9.7	20.3	7 20	18 7.86	-19 52.2	1.248	2.208	11.6	19.4
7 30	18 7.96	- 9 13.6	1.945	2.820	12.6	20.4	7 30	18 0.64	-20 26.6	1.272	2.171	16.3	19.6
144873	2004 NT ₁₉		6 28.3 312°91	0°3/28.3	18		483144	2015 OB ₅₀		6 28.3 291°35	1°8/28.9	18	
5 21	18 57.64	-26 36.8	2.104	2.928	13.6	19.5	5 21	18 54.95	-14 33.8	2.238	3.049	13.3	20.2
5 31	18 52.95	-26 3.0	2.012	2.920	10.7	19.3	5 31	18 50.87	-15 13.2	2.136	3.034	10.6	20.0
6 10	18 46.01	-25 25.4	1.942	2.912	7.2	19.1	6 10	18 44.72	-16 3.0	2.055	3.018	7.4	19.8
6 20	18 37.41	-24 43.5	1.897	2.904	3.4	18.8	6 20	18 36.90	-17 2.0	2.001	3.003	3.9	19.6
6 30	18 28.01	-23 57.3	1.880	2.896	0.7	18.6	6 30	18 28.11	-18 7.7	1.974	2.988	1.8	19.4
7 10	18 18.83	-23 8.3	1.891	2.889	4.7	18.9	7 10	18 19.22	-19 16.8	1.976	2.972	4.7	19.6
7 20	18 10.80	-22 18.5	1.928	2.882	8.6	19.1	7 20	18 11.11	-20 26.4	2.005	2.957	8.4	19.7
7 30	18 4.69	-21 30.5	1.990	2.875	12.0	19.3	7 30	18 4.60	-21 33.7	2.060	2.942	11.7	19.9
403232	2008 UC ₃₂₈		6 28.3 175°50	2°2/28.2	17		111935	2002 GB ₄₀		6 28.3 222°34	1°9/28.1	18	
5 21	19 2.74	-27 49.4	1.411	2.252	18.2	21.8	5 21	18 58.99	-27 44.7	1.975	2.800	14.3	20.5
5 31	18 58.13	-27 59.1	1.337	2.253	14.4	21.5	5 31	18 54.31	-27 59.5	1.888	2.796	11.3	20.3
6 10	18 50.14	-28 7.0	1.282	2.254	9.9	21.2	6 10	18 47.12	-28 13.2	1.823	2.791	7.7	20.1
6 20	18 39.52	-28 9.5	1.249	2.254	5.0	21.0	6 20	18 38.01	-28 22.9	1.782	2.786	3.9	19.8
6 30	18 27.58	-28 3.1	1.240	2.255	2.4	20.8	6 30	18 27.91	-28 26.2	1.768	2.781	2.0	19.7
7 10	18 15.97	-27 47.0	1.257	2.255	6.7	21.1	7 10	18 17.96	-28 22.0	1.781	2.776	5.4	19.9
7 20	18 6.21	-27 23.1	1.298	2.254	11.5	21.3	7 20	18 9.22	-28 10.8	1.820	2.770	9.2	20.1
7 30	17 59.42	-26 54.7	1.361	2.254	15.8	21.6	7 30	18 2.61	-27 54.6	1.883	2.765	12.7	20.3
446408	2014 JA ₁		6 28.3 59°76	2°4/28.8	16		118463	1999 XZ ₄₈		6 28.3 267°82	3°6/27.3	18	
5 21	18 53.82	-15 47.1	2.155	2.973	13.5	21.2	5 21	18 57.48	-32 5.1	2.580	3.391	11.7	19.8
5 31	18 49.76	-15 45.1	2.080	2.982	10.7	21.0	5 31	18 52.87	-32 59.6	2.475	3.372	9.4	19.6
6 10	18 43.76	-15 49.7	2.027	2.991	7.4	20.9	6 10	18 46.09	-33 53.2	2.394	3.352	6.8	19.4
6 20	18 36.33	-16 0.4	1.999	3.000	4.1	20.7	6 20	18 37.56	-34 42.1	2.339	3.333	4.4	19.2
6 30	18 28.24	-16 16.6	1.997	3.009	2.4	20.6	6 30	18 27.99	-35 22.4	2.313	3.313	3.8	19.2
7 10	18 20.33	-16 37.1	2.023	3.018	4.9	20.7	7 10	18 18.31	-35 51.6	2.314	3.293	5.7	19.3
7 20	18 13.41	-17 0.6	2.076	3.027	8.2	21.0	7 20	18 9.44	-36 9.0	2.342	3.272	8.5	19.4
7 30	18 8.15	-17 26.1	2.152	3.036	11.2	21.2	7 30	18 2.24	-36 15.5	2.394	3.251	11.2	19.6
58524	1997 BE ₁		6 28.3 226°31	0°1/28.3	18		479230	2013 CM ₁₈₉		6 28.3 158°90	1°6/28.3	18	
5 21	18 55.55	-22 56.2	2.572	3.387	11.7	20.2	5 21	18 58.58	-29 45.5	2.755	3.562	11.2	21.8
5 31	18 50.97	-23 3.7	2.476	3.379	9.1	20.0	5 31	18 53.09	-29 40.7	2.670	3.567	8.8	21.6
6 10	18 44.55	-23 12.8	2.403	3.370	6.2	19.8	6 10	18 45.80	-29 32.4	2.609	3.573	6.0	21.4
6 20	18 36.72	-23 22.2	2.355	3.362	2.9	19.6	6 20	18 37.24	-29 19.2	2.575	3.577	3.1	21.2
6 30	18 28.15	-23 30.4	2.337	3.353	0.6	19.4	6 30	18 28.10	-29 0.0	2.569	3.582	1.7	21.1
7 10	18 19.64	-23 36.7	2.346	3.343	4.0	19.6	7 10	18 19.20	-28 34.9	2.593	3.586	4.1	21.3
7 20	18 11.96	-23 40.9	2.384	3.334	7.3	19.8	7 20	18 11.26	-28 5.2	2.645	3.589	7.0	21.5
7 30	18 5.78	-23 43.2	2.446	3.324	10.3	20.0	7 30	18 4.89	-27 32.6	2.722	3.593	9.6	21.7
126751	2002 DZ ₁		6 28.3 169°88	0°8/28.0	18		188162	2002 GK ₁₀₉		6 28.3 110°92	2°3/27.7	18	
5 21	19 0.53	-20 42.0	2.026	2.842	14.3	19.7	5 21	18 57.44	-28 29.1	2.657	3.468	11.4	20.6
5 31	18 55.44	-21 51.5	1.940	2.844	11.2	19.5	5 31	18 52.38	-29 17.1	2.584	3.484	8.9	20.5
6 10	18 47.89	-23 8.8	1.878	2.846	7.6	19.3	6 10	18 45.44	-30 4.5	2.535	3.499	6.2	20.3
6 20	18 38.39	-24 30.0	1.841	2.848	3.5	19.0	6 20	18 37.12	-30 48.4	2.513	3.513	3.4	20.2
6 30	18 27.79	-25 49.9	1.833	2.849	1.2	18.9	6 30	18 28.12	-31 25.8	2.519	3.528	2.4	20.1
7 10	18 17.18	-27 4.1	1.854	2.850	5.1	19.1	7 10	18 19.27	-31 54.9	2.554	3.542	4.6	20.3
7 20	18 7.64	-28 9.5	1.903	2.850	9.0	19.4	7 20	18 11.35	-32 15.3	2.617	3.555	7.3	20.5
7 30	18 0.09	-29 5.1	1.976	2.851	12.5	19.6	7 30	18 5.00	-32 27.8	2.705	3.569	9.8	20.7
163283	2002 GV ₁₂₀		6 28.3 161°78	1°7/28.1	18		113256	Prüm		6 28.3 296°22	3°1/28.6	18	
5 21	19 3.05	-26 24.3	1.895	2.714	15.0	21.1	5 21	18 54.51	-16 9.6	1.887	2.712	14.9	19.6
5 31	18 57.45	-26 47.4	1.816	2.721	11.8	20.9	5 31	18 50.82	-15 44.7	1.791	2.697	11.9	19.3
6 10	18 49.20	-27 10.8	1.759	2.727	8.0	20.7	6 10	18 44.81	-15 25.2	1.717	2.682	8.4	19.1
6 20	18 38.95	-27 31.0	1.727	2.732	4.0	20.4	6 20	18 36.98	-15 11.8	1.666	2.667	4.9	18.9
6 30	18 27.70	-27 45.1	1.723	2.737	1.9	20.3	6 30	18 28.14	-15 5.0	1.642	2.652	3.2	18.7
7 10	18 16.70	-27 51.5	1.746	2.741	5.5	20.5	7 10	18 19.33	-15 4.7	1.643	2.637	5.9	18.9
7 20	18 7.07	-27 50.5	1.795	2.744	9.4	20.8	7 20	18 11.54	-15 10.6	1.670	2.622	9.7	19.0
7 30	17 59.73	-27 43.9	1.869	2.746	12.9	21.0	7 30	18 5.66	-15 22.1	1.720	2.607	13.4	19.2
71253	2000 AT ₁₅		6 28.3 232°09	0°8/28.2	18		35014	1981 EX ₅		6 28.3 281°99	3°9/28.5	18	
5 21	18 57.20	-24 15.2	2.057	2.882	13.8	19.7	5 21	18 53.71	-13 19.2	2.254	3.064	13.3	19.6
5 31	18 52.78	-24 35.8	1.968	2.877	10.9	19.4	5 31	18 49.69	-12 42.0	2.161	3.055	10.7	19.4
6 10	18 46.04	-24 58.6	1.901	2.871	7.3	19.2	6 10	18 43.76	-12 10.4	2.091	3.046	7.8	19.2
6 20	18 37.49	-25 20.9	1.859	2.866	3.5	19.0	6 20	18 36.39	-11 45.8	2.044	3.037	5.1	19.0
6 30	18 27.99	-25 40.5	1.844	2.860	1.1	18.8	6 30	18 28.27	-11 29.2	2.025	3.027	4.0	18.9
7 10	18 18.58	-25 55.7	1.857	2.854	4.9	19.0	7 10	18 20.24	-11 21.1	2.033	3.018	5.8	19.0
7 20	18 10.24	-26 5.9	1.896	2.848	8.8	19.3	7 20	18 13.08	-11 21.3	2.067	3.009	8.8	19.2
7 30	18 3.83	-26 11.8	1.959	2.842	12.2	19.5	7 30	18 7.48	-11 29.1	2.125	3.000	11.7	19.3
260463	2005 AN ₇₇		6 28.3 136°01	2°9/28.0	17		416238	2003 BP ₂₄		6 28.3 63°36	3°1/28.7	17	
5 21	19 2.88	-28 55											

EPHEMERIDES

6 28.3

6 28.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
138760	2000 <i>SO</i> ₂₈₃		6 28.3 254°39	1.7°/28.4	18		276080	2002 <i>CZ</i> ₂₆₉		6 28.3 104°70	1.6°/28.6	17	
5 21	18 55.18	-19 17.7	2.300	3.118	12.8	20.3	5 21	18 56.89	-18 14.4	1.808	2.635	15.4	21.0
5 31	18 50.82	-18 54.6	2.208	3.111	10.1	20.1	5 31	18 52.65	-18 18.5	1.731	2.639	12.1	20.8
6 10	18 44.50	-18 33.8	2.138	3.104	6.9	19.9	6 10	18 45.99	-18 28.6	1.674	2.643	8.3	20.6
6 20	18 36.73	-18 15.3	2.093	3.097	3.6	19.7	6 20	18 37.50	-18 44.0	1.642	2.647	4.2	20.4
6 30	18 28.21	-17 59.4	2.076	3.090	1.8	19.6	6 30	18 28.11	-19 3.0	1.636	2.651	1.7	20.2
7 10	18 19.81	-17 46.2	2.087	3.083	4.7	19.7	7 10	18 18.92	-19 24.1	1.657	2.655	5.3	20.5
7 20	18 12.33	-17 35.9	2.125	3.075	8.1	19.9	7 20	18 10.94	-19 46.2	1.704	2.659	9.3	20.7
7 30	18 6.47	-17 28.9	2.187	3.068	11.2	20.1	7 30	18 5.02	-20 8.4	1.774	2.663	12.9	20.9
140799	2001 <i>UG</i> ₁₅₀		6 28.3 257°17	0.9°/28.2	18		508948	2004 <i>SF</i> ₁₇		6 28.3 278°02	1°5'/28.1	18	
5 21	18 55.95	-24 47.8	2.298	3.119	12.7	20.4	5 21	18 59.25	-25 2.6	1.967	2.791	14.4	22.0
5 31	18 51.62	-25 5.4	2.201	3.108	10.0	20.2	5 31	18 54.90	-25 35.3	1.854	2.762	11.5	21.8
6 10	18 45.18	-25 24.2	2.128	3.097	6.8	20.0	6 10	18 47.87	-26 11.4	1.762	2.732	7.9	21.5
6 20	18 37.10	-25 42.3	2.079	3.086	3.2	19.8	6 20	18 38.58	-26 48.0	1.696	2.701	3.9	21.2
6 30	18 28.14	-25 57.6	2.059	3.074	1.1	19.6	6 30	18 27.86	-27 21.2	1.656	2.670	1.8	20.9
7 10	18 19.22	-26 8.7	2.066	3.062	4.6	19.8	7 10	18 16.85	-27 48.2	1.643	2.639	5.7	21.1
7 20	18 11.21	-26 15.2	2.100	3.051	8.1	20.0	7 20	18 6.78	-28 7.7	1.657	2.607	10.0	21.3
7 30	18 4.92	-26 17.9	2.158	3.039	11.3	20.2	7 30	17 58.79	-28 20.0	1.694	2.574	13.9	21.5
482975	2014 <i>LX</i> ₃		6 28.3 322°76	3.4°/27.2	18		288268	2003 <i>YH</i> ₁₅₇		6 28.3 153°36	3.2°/28.9	18	
5 21	18 56.34	-28 31.1	2.090	2.917	13.6	21.0	5 21	18 55.83	-12 44.4	2.445	3.245	12.7	21.9
5 31	18 52.36	-29 43.3	2.001	2.909	10.7	20.8	5 31	18 51.08	-12 36.9	2.364	3.252	10.1	21.8
6 10	18 45.94	-30 57.9	1.935	2.901	7.5	20.6	6 10	18 44.56	-12 36.8	2.304	3.258	7.3	21.6
6 20	18 37.56	-32 10.1	1.894	2.893	4.5	20.4	6 20	18 36.74	-12 44.1	2.271	3.264	4.5	21.4
6 30	18 28.04	-33 14.7	1.880	2.886	3.6	20.3	6 30	18 28.29	-12 58.6	2.265	3.270	3.2	21.4
7 10	18 18.45	-34 8.0	1.894	2.879	6.1	20.5	7 10	18 19.98	-13 19.3	2.287	3.275	5.0	21.5
7 20	18 9.87	-34 48.2	1.933	2.872	9.5	20.6	7 20	18 12.54	-13 45.1	2.337	3.280	7.8	21.7
7 30	18 3.27	-35 15.8	1.997	2.866	12.6	20.8	7 30	18 6.59	-14 14.6	2.412	3.284	10.6	21.9
404868	2014 <i>KV</i> ₃₂		6 28.3 333°64	5°3'/28.9	16		394653	2008 <i>AB</i> ₁₁₆		6 28.3 156°04	1°3'/28.7	14 C	
5 21	18 51.54	-10 8.4	1.970	2.785	14.7	21.1	5 21	18 55.06	-17 44.9	2.284	3.100	12.9	21.9
5 31	18 48.29	-9 33.6	1.883	2.776	12.1	20.9	5 31	18 50.75	-18 2.5	2.200	3.102	10.2	21.7
6 10	18 42.97	-9 8.0	1.816	2.767	9.1	20.7	6 10	18 44.49	-18 26.1	2.138	3.103	7.0	21.5
6 20	18 36.08	-8 53.6	1.772	2.758	6.4	20.5	6 20	18 36.76	-18 54.3	2.101	3.105	3.5	21.3
6 30	18 28.36	-8 51.8	1.754	2.750	5.3	20.5	6 30	18 28.28	-19 25.7	2.092	3.107	1.4	21.2
7 10	18 20.72	-9 2.4	1.762	2.743	6.9	20.5	7 10	18 19.89	-19 58.4	2.111	3.108	4.4	21.4
7 20	18 14.03	-9 24.3	1.794	2.736	9.9	20.7	7 20	18 12.42	-20 31.0	2.157	3.109	7.9	21.6
7 30	18 9.04	-9 55.5	1.849	2.729	12.9	20.9	7 30	18 6.56	-21 2.5	2.228	3.110	10.9	21.8
514343	2016 <i>PN</i> ₉₂		6 28.3 171°06	3°6'/29.0	18		294759	2008 <i>CG</i> ₂₄		6 28.3 243°16	1°0'/28.5	17	
5 21	18 53.01	-10 19.5	2.990	3.777	10.9	22.7	5 21	18 59.47	-19 57.0	1.813	2.638	15.4	21.7
5 31	18 48.57	-10 2.7	2.903	3.780	8.8	22.6	5 31	18 54.95	-20 4.0	1.717	2.624	12.2	21.5
6 10	18 42.72	-9 52.6	2.839	3.783	6.5	22.5	6 10	18 47.77	-20 16.1	1.641	2.610	8.4	21.2
6 20	18 35.83	-9 49.9	2.801	3.785	4.4	22.3	6 20	18 38.46	-20 32.0	1.589	2.595	4.1	20.9
6 30	18 28.44	-9 54.8	2.791	3.787	3.6	22.3	6 30	18 27.92	-20 49.9	1.563	2.579	1.2	20.7
7 10	18 21.15	-10 7.0	2.809	3.788	4.8	22.3	7 10	18 17.33	-21 8.0	1.565	2.563	5.5	21.0
7 20	18 14.52	-10 25.6	2.855	3.790	7.0	22.5	7 20	18 7.88	-21 25.4	1.593	2.547	10.0	21.2
7 30	18 9.07	-10 49.5	2.927	3.790	9.2	22.6	7 30	18 0.60	-21 41.8	1.644	2.530	13.9	21.4
182299	2001 <i>NE</i> ₁		6 28.3 349°32	1°3'/28.2	17		128537	2004 <i>PS</i> ₅₉		6 28.3 311°38	2°4'/28.6	17	
5 21	18 52.94	-25 0.8	1.192	2.060	19.2	19.7	5 21	18 55.50	-17 31.6	1.620	2.456	16.4	20.0
5 31	18 51.00	-25 14.4	1.120	2.052	15.1	19.4	5 31	18 51.96	-17 22.4	1.536	2.449	13.1	19.7
6 10	18 45.66	-25 30.3	1.065	2.045	10.3	19.2	6 10	18 45.77	-17 19.7	1.472	2.442	9.1	19.5
6 20	18 37.60	-25 45.4	1.031	2.040	4.9	18.8	6 20	18 37.51	-17 23.6	1.431	2.435	4.8	19.2
6 30	18 28.06	-25 56.2	1.019	2.035	1.7	18.6	6 30	18 28.13	-17 33.2	1.415	2.428	2.5	19.1
7 10	18 18.74	-26 0.7	1.031	2.032	6.9	18.9	7 10	18 18.85	-17 47.5	1.424	2.422	6.0	19.3
7 20	18 11.18	-25 59.0	1.063	2.030	12.2	19.2	7 20	18 10.83	-18 5.4	1.458	2.415	10.4	19.5
7 30	18 6.63	-25 52.7	1.116	2.029	16.9	19.5	7 30	18 5.05	-18 25.9	1.514	2.409	14.4	19.7
288673	2004 <i>PM</i> ₇₄		6 28.3 307°60	0.7°/28.3	18		173348	1999 <i>XQ</i> ₁₃₄		6 28.3 154°34	3°1'/27.3	18	
5 21	18 54.19	-24 14.2	2.040	2.871	13.7	21.0	5 21	19 5.58	-26 44.7	2.087	2.896	14.2	19.8
5 31	18 50.61	-24 26.5	1.938	2.850	10.8	20.8	5 31	18 59.46	-28 11.5	2.008	2.905	11.2	19.6
6 10	18 44.72	-24 40.6	1.857	2.829	7.4	20.5	6 10	18 50.68	-29 41.8	1.951	2.914	7.7	19.4
6 20	18 36.99	-24 54.6	1.801	2.808	3.5	20.3	6 20	18 39.78	-31 9.5	1.922	2.922	4.3	19.2
6 30	18 28.19	-25 6.6	1.771	2.787	1.0	20.0	6 30	18 27.68	-32 28.5	1.922	2.929	3.3	19.2
7 10	18 19.35	-25 15.0	1.769	2.767	5.0	20.3	7 10	18 15.59	-33 34.3	1.951	2.936	6.1	19.4
7 20	18 11.48	-25 19.4	1.791	2.747	9.0	20.5	7 20	18 4.68	-34 25.0	2.008	2.941	9.5	19.6
7 30	18 5.48	-25 20.5	1.838	2.727	12.6	20.6	7 30	17 55.97	-35 1.6	2.090	2.946	12.6	19.8
251462	2008 <i>CC</i> ₁₉₅		6 28.3 338°94	14°9'/25.7	18		250528	2004 <i>PO</i> ₅₄		6 28.3 303°80	6°3'/29.4	18	
5 21	19 2.14	-55 18.9	1.600	2.381	19.0	19.4	5 21	18 51.97	-5 23.2	2.177	2.969	14.2	20.3
5 31	18 59.67	-56 53.6	1.525	2.361	17.4	19.2	5 31	18 48.45	-4 55.9	2.084	2.957	11.9	20.1
6 10	18 52.44	-58 10.1	1.466	2.341	16.0	19.0	6 10	18 43.02	-4 40.7	2.011	2.944	9.4	19.9
6 20	18 41.07	-58 57.3	1.426	2.323	15.1	18.9	6 20	18 36.12	-4 39.7	1.961	2.932	7.2	19.7
6 30	18 27.34	-59 5.5	1.405	2.306	15.0	18.9	6 30	18 28.42	-4 54.1	1.937	2.919	6.3	19.6
7 10	18 13.90	-58 31.0	1.403	2.291	15.9	18.9	7 10	18 20.74	-5 23.6	1.939	2.907	7.4	19.7
7 20	18 3.20	-57 17.1	1.419	2.276	17.5	19.0	7 20	18 13.87	-6 6.2	1.966	2.896	9.8	19.8
7 30	17 56.95	-55 32.7	1.453	2.263	19.4	19.1	7 30	18 8.54	-6 59.3	2.016	2.884	12.5	20.0
283731	2002 <i>VJ</i> ₁₃		6 28.3 221°10	0.4°/28.3	18		27970						

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
442015	2010 OS ₇₃		6 28.4 290°35	2°8/29.0	16		511334	2014 EU ₁₃		6 28.4 239°23	5°9/27.3	18	
5 21	18 53.40	-13 39.9	2.269	3.081	13.1	21.3	5 21	19 3.44	-39 28.8	2.388	3.184	13.0	22.4
5 31	18 49.61	-13 48.8	2.166	3.063	10.5	21.1	5 31	18 57.90	-40 19.0	2.290	3.168	10.8	22.2
6 10	18 43.85	-14 6.3	2.086	3.045	7.5	20.9	6 10	18 49.69	-41 2.9	2.214	3.152	8.4	22.0
6 20	18 36.54	-14 32.4	2.029	3.028	4.4	20.6	6 20	18 39.35	-41 35.2	2.163	3.135	6.5	21.9
6 30	18 28.34	-15 6.1	2.000	3.010	2.8	20.5	6 30	18 27.80	-41 51.4	2.138	3.118	6.0	21.8
7 10	18 20.08	-15 45.8	1.999	2.992	5.1	20.6	7 10	18 16.25	-41 49.2	2.141	3.100	7.5	21.9
7 20	18 12.61	-16 29.6	2.024	2.975	8.4	20.8	7 20	18 5.86	-41 29.4	2.169	3.082	9.9	22.0
7 30	18 6.67	-17 15.6	2.074	2.957	11.6	20.9	7 30	17 57.66	-40 55.5	2.222	3.063	12.5	22.1
172885	2005 EL ₂₆₉		6 28.4 141°76	0°1/28.4	17		357220	2002 HP ₈		6 28.4 24°83	5°7/29.0	18	
5 21	19 2.14	-23 6.0	1.868	2.689	15.2	21.9	5 21	18 52.52	-6 58.1	2.356	3.148	13.3	20.7
5 31	18 56.63	-23 9.8	1.794	2.700	11.9	21.7	5 31	18 48.60	-6 17.6	2.275	3.149	11.0	20.6
6 10	18 48.59	-23 15.3	1.742	2.711	8.0	21.5	6 10	18 42.96	-5 46.7	2.214	3.149	8.6	20.4
6 20	18 38.70	-23 20.5	1.714	2.721	3.7	21.3	6 20	18 36.04	-5 27.4	2.178	3.150	6.5	20.3
6 30	18 27.94	-23 23.7	1.714	2.730	0.7	21.1	6 30	18 28.50	-5 21.0	2.168	3.151	5.7	20.2
7 10	18 17.49	-23 24.0	1.741	2.739	5.1	21.4	7 10	18 21.09	-5 27.5	2.184	3.152	6.8	20.3
7 20	18 8.41	-23 21.6	1.795	2.747	9.2	21.7	7 20	18 14.50	-5 46.0	2.227	3.153	9.1	20.4
7 30	18 1.53	-23 17.7	1.872	2.754	12.7	21.9	7 30	18 9.35	-6 14.5	2.292	3.154	11.5	20.6
294220	2007 US ₁₀		6 28.4 243°00	3°8/28.5	18		107450	2001 DE ₂₀		6 28.4 155°87	0°2/28.3	18	
5 21	18 58.78	-15 59.5	1.584	2.413	17.1	20.6	5 21	18 57.93	-22 8.3	2.162	2.981	13.5	20.5
5 31	18 54.55	-15 22.8	1.498	2.405	13.7	20.4	5 31	18 53.14	-22 29.6	2.081	2.986	10.5	20.3
6 10	18 47.54	-14 51.9	1.432	2.397	9.8	20.1	6 10	18 46.19	-22 54.2	2.021	2.990	7.1	20.1
6 20	18 38.35	-14 27.9	1.389	2.389	5.7	19.9	6 20	18 37.61	-23 19.9	1.988	2.994	3.3	19.9
6 30	18 27.99	-14 12.0	1.371	2.380	3.9	19.7	6 30	18 28.21	-23 44.6	1.982	2.998	0.7	19.7
7 10	18 17.74	-14 4.5	1.379	2.372	6.9	19.9	7 10	18 18.95	-24 6.5	2.004	3.001	4.6	20.0
7 20	18 8.82	-14 5.4	1.411	2.363	11.2	20.1	7 20	18 10.75	-24 24.9	2.053	3.004	8.2	20.2
7 30	18 2.26	-14 14.0	1.465	2.354	15.2	20.3	7 30	18 4.37	-24 39.9	2.126	3.007	11.5	20.4
349228	2007 TC ₂₈		6 28.4 256°62	1°6/28.5	18		138043	2000 DT ₂₃		6 28.4 160°26	0°7/28.5	17	
5 21	18 56.33	-18 50.9	2.248	3.064	13.1	21.9	5 21	18 59.93	-20 39.0	1.908	2.729	14.9	21.5
5 31	18 51.91	-18 40.7	2.145	3.047	10.4	21.6	5 31	18 54.93	-20 44.6	1.829	2.734	11.7	21.3
6 10	18 45.40	-18 34.0	2.065	3.030	7.2	21.4	6 10	18 47.51	-20 54.2	1.771	2.739	7.9	21.1
6 20	18 37.26	-18 30.5	2.009	3.013	3.7	21.2	6 20	18 38.25	-21 6.1	1.737	2.743	3.8	20.8
6 30	18 28.21	-18 29.7	1.982	2.996	1.7	21.0	6 30	18 28.09	-21 18.6	1.731	2.747	1.0	20.6
7 10	18 19.15	-18 31.1	1.982	2.978	4.8	21.2	7 10	18 18.13	-21 30.6	1.752	2.750	5.1	20.9
7 20	18 10.98	-18 34.6	2.008	2.959	8.4	21.4	7 20	18 9.39	-21 41.4	1.800	2.753	9.1	21.2
7 30	18 4.47	-18 40.0	2.060	2.941	11.8	21.5	7 30	18 2.73	-21 51.3	1.871	2.755	12.6	21.4
439501	2014 AR ₄₂		6 28.4 184°25	1°8/28.8	17 R		83654	2001 TV ₁₀		6 28.4 294°82	0°3/28.3	18	
5 21	18 57.07	-16 18.6	2.239	3.049	13.3	21.7	5 21	18 55.62	-23 45.5	2.060	2.887	13.7	19.8
5 31	18 52.37	-16 34.4	2.151	3.049	10.6	21.6	5 31	18 51.55	-23 50.3	1.971	2.881	10.8	19.5
6 10	18 45.62	-16 57.2	2.086	3.049	7.3	21.3	6 10	18 45.23	-23 56.3	1.904	2.875	7.3	19.3
6 20	18 37.32	-17 26.0	2.046	3.048	3.8	21.1	6 20	18 37.21	-24 2.2	1.862	2.869	3.4	19.1
6 30	18 28.21	-17 59.1	2.034	3.047	1.8	21.0	6 30	18 28.29	-24 6.2	1.847	2.863	0.7	18.8
7 10	18 19.17	-18 34.8	2.050	3.046	4.7	21.2	7 10	18 19.49	-24 7.5	1.858	2.857	4.8	19.1
7 20	18 11.07	-19 11.3	2.094	3.044	8.2	21.4	7 20	18 11.74	-24 6.1	1.896	2.851	8.6	19.4
7 30	18 4.64	-19 47.5	2.162	3.042	11.3	21.6	7 30	18 5.87	-24 2.7	1.958	2.845	12.0	19.6
307025	2001 XP ₁₀₉		6 28.4 252°85	1°5/28.6	18		444226	2005 UN ₆		6 28.4 18°63	18°1/23.9	18	
5 21	18 57.05	-18 12.6	1.772	2.600	15.6	19.8	5 21	19 0.35	-4 15.7	0.883	1.728	26.0	19.9
5 31	18 52.99	-18 23.9	1.685	2.594	12.3	19.5	5 31	18 56.98	-0 8.9	0.835	1.731	22.8	19.7
6 10	18 46.39	-18 42.3	1.618	2.587	8.5	19.3	6 10	18 49.72	+3 45.5	0.804	1.733	19.9	19.5
6 20	18 37.80	-19 6.5	1.576	2.581	4.3	19.0	6 20	18 39.49	+7 8.2	0.792	1.737	18.3	19.4
6 30	18 28.11	-19 34.7	1.559	2.574	1.6	18.8	6 30	18 27.86	+9 41.3	0.798	1.742	18.5	19.5
7 10	18 18.47	-20 4.8	1.569	2.568	5.5	19.1	7 10	18 16.80	+11 15.4	0.823	1.747	20.3	19.6
7 20	18 10.01	-20 35.1	1.605	2.561	9.8	19.3	7 20	18 7.98	+11 51.6	0.863	1.753	23.0	19.8
7 30	18 3.66	-21 4.5	1.664	2.554	13.6	19.5	7 30	18 2.59	+11 38.7	0.916	1.760	25.7	20.0
10677	Colucci		6 28.4 127°26	1°0/28.4	18		498280	2007 VD ₄₈		6 28.4 236°75	2°3/28.2	17	
5 21	19 0.55	-21 6.1	1.521	2.356	17.4	17.9	5 21	19 1.99	-28 0.5	1.694	2.524	16.1	22.5
5 31	18 55.95	-20 59.9	1.449	2.363	13.6	17.7	5 31	18 57.26	-28 19.5	1.604	2.514	12.8	22.3
6 10	18 48.45	-20 57.4	1.397	2.369	9.3	17.4	6 10	18 49.52	-28 37.8	1.534	2.503	8.9	22.0
6 20	18 38.73	-20 57.3	1.368	2.374	4.4	17.1	6 20	18 39.37	-28 51.5	1.487	2.492	4.6	21.7
6 30	18 27.94	-20 58.2	1.364	2.380	1.3	16.9	6 30	18 27.86	-28 57.1	1.467	2.480	2.5	21.6
7 10	18 17.48	-20 59.1	1.386	2.385	5.9	17.3	7 10	18 16.42	-28 52.8	1.472	2.468	6.2	21.8
7 20	18 8.58	-21 0.0	1.433	2.390	10.6	17.5	7 20	18 6.41	-28 39.5	1.503	2.455	10.7	22.0
7 30	18 2.24	-21 1.6	1.502	2.395	14.6	17.8	7 30	17 58.94	-28 19.7	1.557	2.442	14.7	22.2
190619	2000 WM ₂₅		6 28.4 154°32	0°2/28.4	18		27098	Bocarsly		6 28.4 34°03	2°9/28.6	18	
5 21	18 58.02	-22 51.4	1.893	2.721	14.8	20.5	5 21	18 56.66	-17 25.6	1.439	2.281	17.9	17.8
5 31	18 53.49	-22 50.3	1.813	2.723	11.6	20.3	5 31	18 53.01	-17 5.3	1.370	2.285	14.1	17.6
6 10	18 46.55	-22 51.0	1.754	2.725	7.8	20.1	6 10	18 46.52	-16 51.9	1.320	2.290	9.8	17.3
6 20	18 37.78	-22 51.9	1.719	2.726	3.7	19.8	6 20	18 37.87	-16 45.4	1.291	2.295	5.3	17.1
6 30	18 28.13	-22 51.7	1.712	2.728	0.7	19.6	6 30	18 28.18	-16 45.7	1.288	2.301	3.0	17.0
7 10	18 18.68	-22 49.7	1.731	2.729	5.0	19.9	7 10	18 18.80	-16 52.1	1.309	2.306	6.5	17.2
7 20	18 10.47	-22 46.0	1.776	2.731	9.1	20.1	7 20	18 10.92	-17 3.5	1.354	2.312	10.9	17.5
7 30	18 4.32	-22 41.6	1.845	2.732	12.6	20.4	7 30	18 5.53	-17 19.2	1.420	2.319	15.0	17.7
180463	2004 CQ ₁₈		6 28.4 148°95	0°5/28.3	17		340453	2006 GB ₄₄		6 28.4 150°20	1°7/28.6	17	
5 21	19 0.76	-23 13.5	1.8										

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
161389	2003 <i>UL</i> ₇₈		6 28.4 355°05		0°9/28.5 18		481196	2005 <i>UX</i> ₄₆₀		6 28.4 279°19		0°8/28.5 16	
5 21	18 58.10	-28 40.9	1.448	2.295	17.5	18.6	5 21	18 55.01	-21 19.8	2.351	3.170	12.5	22.3
5 31	18 54.34	-27 57.1	1.370	2.291	13.8	18.4	5 31	18 50.85	-21 11.0	2.247	3.152	9.9	22.1
6 10	18 47.50	-27 6.2	1.313	2.287	9.4	18.1	6 10	18 44.70	-21 4.0	2.165	3.133	6.7	21.9
6 20	18 38.35	-26 7.3	1.278	2.285	4.5	17.8	6 20	18 36.99	-20 58.2	2.109	3.115	3.3	21.6
6 30	18 28.14	-25 0.9	1.267	2.283	1.2	17.6	6 30	18 28.44	-20 52.9	2.081	3.097	1.0	21.4
7 10	18 18.34	-23 50.1	1.282	2.283	6.1	17.9	7 10	18 19.89	-20 47.7	2.080	3.078	4.4	21.6
7 20	18 10.26	-22 39.2	1.322	2.283	10.9	18.2	7 20	18 12.19	-20 42.7	2.107	3.059	8.0	21.8
7 30	18 4.88	-21 32.8	1.383	2.284	15.1	18.4	7 30	18 6.08	-20 38.4	2.158	3.040	11.2	22.0
6513	1987 <i>UW</i> ₁		6 28.4 250°65		3°7/28.5 18		262424	2006 <i>UK</i> ₇₁		6 28.4 125°47		0°8/28.3 17	
5 21	18 56.88	-14 58.0	1.991	2.806	14.6	18.0	5 21	19 1.00	-23 51.1	1.836	2.660	15.3	21.7
5 31	18 52.52	-14 21.5	1.897	2.795	11.7	17.7	5 31	18 55.89	-24 16.0	1.764	2.672	11.9	21.5
6 10	18 45.91	-13 50.2	1.824	2.783	8.4	17.5	6 10	18 48.22	-24 43.2	1.714	2.684	8.0	21.3
6 20	18 37.56	-13 25.2	1.775	2.772	5.2	17.3	6 20	18 38.64	-25 10.0	1.688	2.695	3.8	21.0
6 30	18 28.28	-13 7.5	1.753	2.760	3.8	17.2	6 30	18 28.14	-25 33.2	1.690	2.706	1.1	20.9
7 10	18 19.06	-12 57.6	1.758	2.748	6.1	17.3	7 10	18 17.92	-25 51.2	1.719	2.716	5.2	21.2
7 20	18 10.86	-12 55.6	1.789	2.735	9.6	17.5	7 20	18 9.05	-26 3.3	1.774	2.726	9.3	21.4
7 30	18 4.50	-13 0.9	1.844	2.722	13.0	17.7	7 30	18 2.41	-26 10.7	1.852	2.735	12.8	21.7
401183	2011 <i>WE</i> ₁₀₃		6 28.4 42°39		1°2/28.4 18		308507	2005 <i>US</i> ₇		6 28.4 2°54		3°5/28.6 18	
5 21	18 55.68	-21 23.5	2.172	2.994	13.3	20.4	5 21	18 54.33	-14 21.1	2.259	3.070	13.2	20.3
5 31	18 51.29	-20 57.0	2.091	2.998	10.4	20.2	5 31	18 50.14	-13 43.8	2.175	3.070	10.6	20.1
6 10	18 44.87	-20 31.6	2.033	3.001	7.1	20.0	6 10	18 44.08	-13 11.8	2.113	3.070	7.6	19.9
6 20	18 36.98	-20 7.1	1.999	3.005	3.5	19.8	6 20	18 36.64	-12 46.0	2.076	3.070	4.8	19.7
6 30	18 28.42	-19 43.7	1.993	3.008	1.3	19.7	6 30	18 28.53	-12 27.4	2.066	3.070	3.6	19.7
7 10	18 20.08	-19 21.8	2.015	3.012	4.6	19.9	7 10	18 20.57	-12 16.4	2.083	3.070	5.5	19.8
7 20	18 12.79	-19 2.1	2.063	3.016	8.1	20.1	7 20	18 13.54	-12 13.0	2.127	3.071	8.5	20.0
7 30	18 7.23	-18 45.4	2.136	3.020	11.3	20.3	7 30	18 8.08	-12 16.5	2.195	3.071	11.3	20.1
247094	2000 <i>SJ</i> ₂₄₉		6 28.4 322°47		7°3/26.9 18		323217	2003 <i>SD</i> ₄₄		6 28.4 290°02		0°1/28.4 17	
5 21	18 53.89	-32 37.9	1.105	1.975	20.2	20.4	5 21	18 59.14	-24 45.8	1.435	2.280	17.7	20.4
5 31	18 52.86	-33 52.2	1.020	1.950	16.5	20.1	5 31	18 55.52	-24 27.4	1.342	2.261	14.1	20.1
6 10	18 47.79	-35 7.9	0.953	1.926	12.3	19.8	6 10	18 48.64	-24 7.7	1.268	2.242	9.7	19.8
6 20	18 39.06	-36 16.2	0.905	1.903	8.5	19.5	6 20	18 39.10	-23 45.2	1.216	2.223	4.6	19.5
6 30	18 27.93	-37 7.0	0.878	1.881	7.6	19.3	6 30	18 28.02	-23 18.6	1.188	2.205	0.9	19.1
7 10	18 16.49	-37 32.8	0.872	1.860	10.9	19.4	7 10	18 16.94	-22 48.2	1.186	2.186	6.5	19.5
7 20	18 6.96	-37 32.2	0.886	1.840	15.7	19.6	7 20	18 7.37	-22 16.0	1.207	2.167	11.8	19.7
7 30	18 1.21	-37 9.8	0.916	1.821	20.5	19.8	7 30	18 0.57	-21 44.8	1.249	2.149	16.5	19.9
106109	2000 <i>TV</i> ₂₁		6 28.4 338°06		6°0/29.7 18		390165	2012 <i>VG</i> ₁₀₂		6 28.4 280°32		1°5/28.5 16	
5 21	18 51.96	-6 50.8	1.855	2.663	15.8	19.1	5 21	18 56.24	-20 5.2	1.934	2.761	14.5	21.6
5 31	18 48.80	-6 37.6	1.770	2.656	13.1	18.9	5 31	18 52.14	-19 47.4	1.844	2.753	11.5	21.3
6 10	18 43.46	-6 38.5	1.704	2.649	10.1	18.7	6 10	18 45.71	-19 32.2	1.775	2.744	7.9	21.1
6 20	18 36.44	-6 55.3	1.661	2.642	7.3	18.5	6 20	18 37.50	-19 19.5	1.731	2.736	4.0	20.8
6 30	18 28.51	-7 28.4	1.643	2.636	6.0	18.5	6 30	18 28.36	-19 8.9	1.713	2.728	1.7	20.7
7 10	18 20.64	-8 16.5	1.650	2.630	7.4	18.5	7 10	18 19.33	-19 0.5	1.722	2.720	5.2	20.9
7 20	18 13.75	-9 16.4	1.681	2.625	10.3	18.7	7 20	18 11.39	-18 54.3	1.757	2.712	9.2	21.1
7 30	18 8.66	-10 24.3	1.736	2.620	13.5	18.9	7 30	18 5.40	-18 50.7	1.816	2.704	12.7	21.3
205102	1999 <i>TC</i> ₂₂₃		6 28.4 249°60		5°4/28.6 18		35846	1999 <i>JO</i> ₆₀		6 28.4 29°83		3°1/28.4 18	
5 21	18 56.09	-10 3.8	2.117	2.918	14.3	20.8	5 21	18 56.80	-19 26.1	1.128	1.989	20.5	17.5
5 31	18 51.75	-9 19.0	2.020	2.904	11.8	20.6	5 31	18 53.72	-18 42.1	1.071	1.998	16.2	17.2
6 10	18 45.33	-8 41.8	1.945	2.891	8.9	20.4	6 10	18 47.26	-18 2.5	1.031	2.007	11.2	17.0
6 20	18 37.29	-8 14.3	1.894	2.877	6.4	20.2	6 20	18 38.30	-17 28.8	1.012	2.017	5.9	16.7
6 30	18 28.36	-7 58.4	1.869	2.862	5.4	20.1	6 30	18 28.23	-17 2.0	1.015	2.029	3.2	16.6
7 10	18 19.45	-7 54.7	1.871	2.847	7.0	20.2	7 10	18 18.69	-16 43.1	1.041	2.040	7.4	16.9
7 20	18 11.45	-8 2.9	1.898	2.832	9.9	20.3	7 20	18 11.10	-16 32.5	1.089	2.053	12.4	17.2
7 30	18 5.12	-8 21.4	1.949	2.817	12.9	20.5	7 30	18 6.48	-16 29.8	1.157	2.066	16.8	17.5
326265	3494 <i>T</i> ₋₃		6 28.4 316°03		0°4/28.4 17		289214	2004 <i>XE</i> ₂₅		6 28.4 206°69		0°6/28.5 18	
5 21	18 53.66	-22 2.0	1.254	2.115	18.8	20.7	5 21	18 57.53	-19 48.6	2.234	3.049	13.2	20.9
5 31	18 51.71	-22 4.0	1.160	2.089	15.0	20.4	5 31	18 52.86	-20 10.1	2.142	3.045	10.4	20.7
6 10	18 46.40	-22 10.7	1.085	2.064	10.4	20.0	6 10	18 46.07	-20 36.5	2.073	3.040	7.1	20.5
6 20	18 38.18	-22 20.8	1.030	2.038	5.0	19.6	6 20	18 37.65	-21 6.3	2.029	3.035	3.4	20.3
6 30	18 28.14	-22 31.9	0.998	2.014	1.0	19.3	6 30	18 28.34	-21 37.4	2.014	3.030	0.8	20.1
7 10	18 17.88	-22 42.0	0.988	1.990	7.0	19.6	7 10	18 19.07	-22 7.9	2.026	3.024	4.5	20.3
7 20	18 9.08	-22 50.3	1.000	1.967	12.8	19.8	7 20	18 10.74	-22 36.4	2.066	3.018	8.2	20.5
7 30	18 3.19	-22 57.2	1.032	1.945	18.0	20.0	7 30	18 4.12	-23 2.5	2.131	3.011	11.4	20.7
402432	2006 <i>AE</i> ₄₉		6 28.4 240°40		0°1/28.3 18		470710	2008 <i>TQ</i> ₁₇₀		6 28.4 279°25		2°9/29.1 18	
5 21	18 56.93	-19 44.9	2.672	3.478	11.5	21.8	5 21	18 57.37	-13 34.0	1.987	2.798	14.7	21.7
5 31	18 52.14	-20 38.6	2.570	3.468	9.0	21.7	5 31	18 53.23	-13 48.0	1.873	2.770	11.9	21.4
6 10	18 45.48	-21 38.5	2.493	3.459	6.1	21.5	6 10	18 46.68	-14 12.7	1.781	2.741	8.6	21.1
6 20	18 37.35	-22 42.4	2.443	3.449	2.9	21.2	6 20	18 38.10	-14 48.1	1.712	2.711	5.0	20.9
6 30	18 28.36	-23 47.1	2.422	3.438	0.6	21.0	6 30	18 28.22	-15 33.1	1.670	2.681	3.0	20.7
7 10	18 19.28	-24 49.7	2.431	3.428	4.0	21.3	7 10	18 18.07	-16 25.3	1.656	2.650	5.8	20.8
7 20	18 10.89	-25 47.9	2.470	3.417	7.3	21.5	7 20	18 8.73	-17 22.0	1.668	2.619	9.8	20.9
7 30	18 3.91	-26 40.6	2.534	3.406	10.2	21.6	7 30	18 1.19	-18 20.6	1.704	2.588	13.7	21.1
356862	2011 <i>WP</i> ₆₁		6 28.4 261°67		0°3/28.4 18		71185	1999 <i>XS</</i>					

EPHEMERIDES

6 28.4

6 28.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
263432	2008 <i>DA</i> ₆₉		6 28.4 44°28'	0°5'/28.5	16		92462	2000 <i>KB</i> ₅₅		6 28.4 2°37'	1°4'/28.0	18	
5 21	18 54.59	-21 5.8	2.076	2.902	13.7	21.1	5 21	18 54.23	-20 50.4	1.044	1.916	20.9	18.2
5 31	18 50.58	-21 14.8	2.001	2.910	10.7	20.9	5 31	18 52.47	-21 57.0	0.979	1.914	16.5	17.9
6 10	18 44.49	-21 27.1	1.949	2.919	7.2	20.7	6 10	18 47.01	-23 16.8	0.932	1.913	11.2	17.7
6 20	18 36.87	-21 41.6	1.921	2.927	3.4	20.5	6 20	18 38.47	-24 44.3	0.904	1.913	5.3	17.3
6 30	18 28.50	-21 56.5	1.920	2.936	0.8	20.3	6 30	18 28.21	-26 11.3	0.899	1.915	1.9	17.1
7 10	18 20.35	-22 10.8	1.946	2.945	4.5	20.6	7 10	18 18.09	-27 29.7	0.916	1.917	7.6	17.5
7 20	18 13.26	-22 23.7	1.998	2.954	8.2	20.8	7 20	18 9.91	-28 34.6	0.954	1.921	13.3	17.8
7 30	18 7.95	-22 35.3	2.075	2.963	11.4	21.0	7 30	18 5.07	-29 24.9	1.012	1.926	18.2	18.1
440540	2005 <i>UR</i> ₁₈₀		6 28.4 269°24'	4°9'/28.6	18		359421	2010 <i>LF</i> ₁₆		6 28.4 12°52'	3°1'/27.8	17	
5 21	18 53.54	-10 3.9	2.365	3.164	13.0	21.1	5 21	18 54.10	-24 45.2	0.982	1.861	21.4	20.0
5 31	18 49.47	-9 18.4	2.276	3.159	10.7	21.0	5 31	18 52.56	-25 49.4	0.925	1.863	16.9	19.7
6 10	18 43.62	-8 40.1	2.209	3.154	8.1	20.8	6 10	18 47.12	-27 0.6	0.885	1.867	11.5	19.4
6 20	18 36.44	-8 10.7	2.167	3.149	5.8	20.6	6 20	18 38.50	-28 12.1	0.864	1.872	5.9	19.1
6 30	18 28.59	-7 51.7	2.152	3.143	4.9	20.6	6 30	18 28.22	-29 15.7	0.864	1.878	3.4	19.0
7 10	18 20.84	-7 43.7	2.163	3.138	6.3	20.6	7 10	18 18.28	-30 4.9	0.886	1.886	8.3	19.3
7 20	18 13.92	-7 46.4	2.201	3.133	8.8	20.8	7 20	18 10.51	-30 37.9	0.928	1.894	13.7	19.6
7 30	18 8.46	-7 58.6	2.263	3.128	11.5	21.0	7 30	18 6.26	-30 56.1	0.989	1.904	18.4	19.9
74908	1999 <i>TE</i> ₁₃₈		6 28.4 358°25'	6°4'/27.7	18		415092	2012 <i>BY</i> ₁₃₄		6 28.4 140°27'	1°3'/28.2	17	
5 21	18 58.83	-34 11.9	1.268	2.120	19.2	19.3	5 21	19 2.91	-24 13.9	1.851	2.672	15.3	21.7
5 31	18 55.87	-35 5.7	1.200	2.118	15.5	19.1	5 31	18 57.43	-24 50.6	1.778	2.684	12.0	21.5
6 10	18 49.14	-35 54.5	1.150	2.116	11.4	18.8	6 10	18 49.32	-25 30.0	1.727	2.695	8.1	21.3
6 20	18 39.37	-36 30.8	1.121	2.116	7.7	18.6	6 20	18 39.20	-26 8.5	1.700	2.706	3.9	21.1
6 30	18 28.01	-36 47.6	1.114	2.115	6.6	18.6	6 30	18 28.11	-26 42.5	1.701	2.716	1.5	20.9
7 10	18 16.97	-36 42.2	1.130	2.116	9.2	18.7	7 10	18 17.25	-27 9.5	1.729	2.725	5.4	21.2
7 20	18 7.98	-36 16.8	1.169	2.117	13.3	18.9	7 20	18 7.76	-27 28.8	1.784	2.734	9.4	21.5
7 30	18 2.36	-35 37.0	1.227	2.119	17.2	19.2	7 30	18 0.56	-27 41.4	1.863	2.741	12.9	21.7
247570	2002 <i>SJ</i> ₆₆		6 28.4 274°09'	3°4'/28.9	18		282025	5347 <i>T-2</i>		6 28.4 269°86'	3°2'/28.5	18	
5 21	18 55.51	-13 20.8	2.144	2.954	13.9	21.1	5 21	18 57.42	-16 13.3	2.077	2.891	14.1	21.2
5 31	18 51.46	-13 15.3	2.037	2.931	11.2	20.9	5 31	18 53.02	-15 39.9	1.970	2.868	11.3	21.0
6 10	18 45.26	-13 17.9	1.951	2.909	8.1	20.6	6 10	18 46.35	-15 10.3	1.883	2.845	8.1	20.7
6 20	18 37.34	-13 29.2	1.889	2.886	4.9	20.4	6 20	18 37.87	-14 45.3	1.822	2.821	4.8	20.5
6 30	18 28.40	-13 49.0	1.855	2.862	3.4	20.3	6 30	18 28.35	-14 25.8	1.787	2.796	3.2	20.3
7 10	18 19.35	-14 16.2	1.847	2.839	5.7	20.4	7 10	18 18.76	-14 12.3	1.780	2.771	5.8	20.4
7 20	18 11.12	-14 49.4	1.866	2.815	9.1	20.5	7 20	18 10.08	-14 5.2	1.799	2.746	9.5	20.6
7 30	18 4.54	-15 27.0	1.910	2.791	12.6	20.7	7 30	18 3.18	-14 4.6	1.842	2.721	13.1	20.8
54873	2001 <i>OC</i> ₄₇		6 28.4 274°11'	2°6'/28.9	18		483682	2005 <i>NN</i> ₃₇		6 28.4 156°59'	11°9'/2.9	17	
5 21	18 56.87	-15 41.0	1.703	2.530	16.2	19.7	5 21	19 4.62	+ 5 28.3	1.241	2.012	24.0	21.3
5 31	18 53.10	-15 46.1	1.608	2.514	13.0	19.5	5 31	18 59.73	+ 5 22.8	1.171	2.017	20.9	21.1
6 10	18 46.67	-16 0.6	1.533	2.499	9.1	19.2	6 10	18 51.44	+ 4 42.2	1.115	2.022	17.4	20.9
6 20	18 38.10	-16 24.1	1.481	2.483	5.0	18.9	6 20	18 40.40	+ 3 21.2	1.077	2.027	14.1	20.7
6 30	18 28.26	-16 55.3	1.454	2.467	2.7	18.8	6 30	18 27.87	+ 1 18.9	1.061	2.031	12.0	20.6
7 10	18 18.34	-17 32.2	1.454	2.451	6.0	18.9	7 10	18 15.47	- 1 17.6	1.070	2.034	12.6	20.6
7 20	18 9.53	-18 12.4	1.479	2.434	10.4	19.1	7 20	18 4.78	- 4 16.1	1.102	2.036	15.4	20.8
7 30	18 2.87	-18 54.0	1.526	2.418	14.5	19.4	7 30	17 57.04	- 7 22.4	1.157	2.038	18.9	21.0
365617	2010 <i>UQ</i> ₃₁		6 28.4 234°12'	5°9'/26.8	18		175663	1993 <i>FD</i> ₄₈		6 28.4 81°07'	1°7'/28.2	17	
5 21	18 59.83	-40 20.9	2.616	3.411	12.0	21.2	5 21	19 1.38	-26 6.9	1.537	2.374	17.1	20.4
5 31	18 54.88	-41 23.2	2.529	3.404	10.0	21.0	5 31	18 56.62	-26 27.1	1.475	2.390	13.4	20.2
6 10	18 47.56	-42 19.5	2.465	3.398	7.9	20.9	6 10	18 48.92	-26 47.7	1.433	2.405	9.1	20.0
6 20	18 38.40	-43 4.9	2.426	3.391	6.3	20.8	6 20	18 39.03	-27 5.0	1.415	2.421	4.4	19.8
6 30	18 28.22	-43 35.3	2.413	3.385	6.0	20.7	6 30	18 28.18	-27 16.1	1.422	2.437	1.9	19.6
7 10	18 18.05	-43 48.5	2.428	3.378	7.3	20.8	7 10	18 17.77	-27 19.4	1.455	2.452	6.0	19.9
7 20	18 8.93	-43 45.1	2.468	3.371	9.3	20.9	7 20	18 9.05	-27 15.6	1.512	2.467	10.3	20.2
7 30	18 1.72	-43 27.5	2.531	3.363	11.4	21.1	7 30	18 2.96	-27 6.9	1.592	2.483	14.1	20.5
253488	2003 <i>SD</i> ₈₇		6 28.4 242°06'	2°2'/28.0	18		324920	2007 <i>VF</i> ₃₁₁		6 28.4 175°67'	0°1'/28.4	17	
5 21	19 1.68	-26 24.6	1.799	2.625	15.5	20.8	5 21	19 1.77	-23 1.7	1.860	2.682	15.2	22.4
5 31	18 56.98	-27 2.4	1.703	2.611	12.3	20.6	5 31	18 56.55	-23 8.1	1.778	2.684	12.0	22.2
6 10	18 49.39	-27 42.7	1.627	2.596	8.5	20.3	6 10	18 48.74	-23 16.6	1.717	2.686	8.1	22.0
6 20	18 39.41	-28 21.3	1.576	2.581	4.4	20.0	6 20	18 38.96	-23 25.2	1.681	2.688	3.8	21.7
6 30	18 28.01	-28 54.0	1.551	2.565	2.4	19.9	6 30	18 28.18	-23 31.8	1.672	2.688	0.7	21.5
7 10	18 16.52	-29 17.6	1.554	2.548	6.1	20.1	7 10	18 17.60	-23 35.3	1.690	2.688	5.2	21.8
7 20	18 6.26	-29 31.3	1.582	2.531	10.4	20.3	7 20	18 8.31	-23 35.8	1.735	2.688	9.4	22.1
7 30	17 58.36	-29 36.4	1.633	2.513	14.3	20.5	7 30	18 1.24	-23 34.2	1.804	2.687	13.1	22.3
326254	2012 <i>DD</i> ₄₃		6 28.4 34°61'	3°6'/28.9	17		504250	2006 <i>UT</i> ₃₃₁		6 28.4 268°60'	4°4'/28.7	17	
5 21	18 55.45	-15 7.9	1.178	2.032	20.2	20.6	5 21	18 57.19	-14 0.5	1.608	2.435	17.0	22.1
5 31	18 52.48	-15 0.3	1.124	2.046	16.0	20.4	5 31	18 53.38	-13 30.2	1.519	2.424	13.7	21.8
6 10	18 46.35	-15 4.7	1.088	2.060	11.2	20.1	6 10	18 46.86	-13 7.9	1.450	2.412	10.0	21.6
6 20	18 37.88	-15 21.2	1.072	2.075	6.3	19.9	6 20	18 38.19	-12 55.1	1.403	2.400	6.2	21.3
6 30	18 28.35	-15 48.0	1.079	2.091	3.7	19.8	6 30	18 28.31	-12 52.6	1.381	2.388	4.4	21.2
7 10	18 19.29	-16 22.6	1.109	2.108	7.2	20.1	7 10	18 18.47	-13 0.5	1.384	2.376	7.1	21.3
7 20	18 12.03	-17 1.8	1.162	2.125	11.8	20.4	7 20	18 9.84	-13 17.6	1.412	2.363	11.2	21.5
7 30	18 7.53	-17 43.1	1.235	2.143	16.0	20.7	7 30	18 3.47	-13 42.5	1.461	2.351	15.2	21.7
457711	2009 <i>FU</i> ₃₂		6 28.4 124°43'	4°2'/29.9	17		246947	1999					

EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
419712	2010 <i>UO</i> ₈₈		6 28.4 169°19	0°7/28.4	17		97134	1999 <i>VG</i> ₁₁₅		6 28.4 141°82	2°2/28.4	18	
5 21	19 1.95	-22 39.6	1.958	2.776	14.7	21.7	5 21	18 59.07	-19 3.9	2.139	2.953	13.8	19.5
5 31	18 56.45	-22 18.5	1.876	2.780	11.6	21.5	5 31	18 53.90	-18 26.2	2.060	2.960	10.9	19.3
6 10	18 48.53	-21 57.7	1.816	2.783	7.8	21.3	6 10	18 46.65	-17 50.5	2.002	2.966	7.5	19.1
6 20	18 38.81	-21 36.5	1.780	2.786	3.7	21.0	6 20	18 37.89	-17 17.4	1.971	2.973	4.0	18.9
6 30	18 28.24	-21 14.5	1.772	2.788	1.0	20.8	6 30	18 28.46	-16 47.5	1.967	2.979	2.3	18.8
7 10	18 17.94	-20 52.0	1.792	2.790	5.0	21.1	7 10	18 19.28	-16 21.7	1.991	2.985	5.0	19.0
7 20	18 8.91	-20 30.0	1.839	2.791	9.0	21.4	7 20	18 11.21	-16 0.6	2.042	2.990	8.5	19.2
7 30	18 1.97	-20 10.0	1.910	2.791	12.5	21.6	7 30	18 4.96	-15 44.7	2.118	2.995	11.6	19.4
140954	2001 <i>VZ</i> ₁₀₀		6 28.4 164°54	1°7/28.1	18		35872	1999 <i>JB</i> ₇₂		6 28.4 90°31	4°8/29.0	17	
5 21	18 57.52	-28 23.5	2.829	3.637	10.9	21.9	5 21	18 59.28	-12 55.1	1.443	2.271	18.5	19.5
5 31	18 52.39	-28 40.7	2.744	3.642	8.5	21.8	5 31	18 54.94	-12 28.5	1.379	2.283	14.8	19.3
6 10	18 45.50	-28 56.5	2.682	3.646	5.9	21.6	6 10	18 47.79	-12 12.8	1.334	2.295	10.7	19.1
6 20	18 37.33	-29 8.8	2.648	3.650	3.1	21.4	6 20	18 38.55	-12 9.2	1.311	2.307	6.7	18.9
6 30	18 28.53	-29 15.9	2.642	3.654	1.8	21.3	6 30	18 28.33	-12 18.0	1.313	2.319	4.8	18.8
7 10	18 19.87	-29 17.0	2.665	3.657	4.1	21.5	7 10	18 18.48	-12 37.8	1.339	2.330	7.4	19.0
7 20	18 12.07	-29 12.3	2.716	3.660	6.9	21.7	7 20	18 10.18	-13 6.7	1.389	2.341	11.3	19.3
7 30	18 5.75	-29 3.1	2.793	3.662	9.4	21.9	7 30	18 4.35	-13 42.1	1.461	2.352	15.1	19.5
128740	2004 <i>RW</i> ₁₅₉		6 28.4 55°14	5°8/28.3	17		260692	2005 <i>JF</i> ₉₉		6 28.4 30°88	1°2/28.6	17	
5 21	19 3.72	-34 47.9	1.271	2.115	19.6	19.6	5 21	18 56.47	-20 7.8	1.236	2.092	19.3	20.5
5 31	18 59.48	-35 17.6	1.209	2.122	15.8	19.4	5 31	18 53.37	-20 8.7	1.175	2.100	15.2	20.3
6 10	18 51.39	-35 39.2	1.165	2.130	11.5	19.2	6 10	18 47.05	-20 16.0	1.133	2.109	10.3	20.1
6 20	18 40.35	-35 46.0	1.142	2.138	7.4	19.0	6 20	18 38.30	-20 28.3	1.111	2.118	5.0	19.8
6 30	18 27.96	-35 33.0	1.142	2.146	5.9	18.9	6 30	18 28.38	-20 43.5	1.112	2.128	1.5	19.6
7 10	18 16.17	-34 59.7	1.166	2.155	8.6	19.1	7 10	18 18.86	-20 59.6	1.138	2.139	6.5	19.9
7 20	18 6.67	-34 10.4	1.213	2.163	12.8	19.3	7 20	18 11.13	-21 15.5	1.186	2.150	11.5	20.2
7 30	18 0.60	-33 11.6	1.280	2.172	16.7	19.6	7 30	18 6.21	-21 30.9	1.254	2.162	15.9	20.5
201747	2003 <i>UN</i> ₂₈₀		6 28.4 177°96	1°7/27.9	18		475529	2006 <i>SO</i> ₄₀₃		6 28.4 328°83	6°6/26.7	18	
5 21	18 58.67	-25 19.7	2.245	3.063	13.1	20.5	5 21	18 56.67	-35 18.3	1.718	2.552	15.7	20.6
5 31	18 53.86	-26 7.3	2.160	3.064	10.2	20.3	5 31	18 53.54	-36 35.8	1.632	2.538	12.9	20.3
6 10	18 46.82	-26 57.4	2.097	3.065	7.0	20.1	6 10	18 47.33	-37 51.1	1.567	2.524	9.8	20.1
6 20	18 38.07	-27 46.6	2.061	3.065	3.5	19.8	6 20	18 38.57	-38 57.1	1.525	2.511	7.2	19.9
6 30	18 28.39	-28 31.4	2.052	3.065	1.9	19.7	6 30	18 28.29	-39 47.2	1.507	2.498	6.7	19.9
7 10	18 18.75	-29 9.2	2.072	3.065	4.9	19.9	7 10	18 17.92	-40 16.8	1.514	2.486	8.8	20.0
7 20	18 10.12	-29 38.7	2.119	3.065	8.3	20.1	7 20	18 8.93	-40 25.6	1.544	2.474	12.0	20.1
7 30	18 3.30	-30 0.5	2.190	3.064	11.5	20.3	7 30	18 2.57	-40 16.5	1.596	2.464	15.3	20.3
147624	2004 <i>HP</i> ₃₆		6 28.4 306°69	2°4/28.9	18		126314	2002 <i>AG</i> ₁₂₆		6 28.4 287°08	4°4/28.6	18	
5 21	18 55.26	-15 59.8	1.479	2.319	17.5	19.4	5 21	19 2.93	-35 14.3	1.719	2.543	16.2	20.2
5 31	18 52.25	-16 12.9	1.389	2.304	14.1	19.1	5 31	18 58.13	-35 13.3	1.627	2.529	13.1	19.9
6 10	18 46.35	-16 37.2	1.319	2.289	9.9	18.8	6 10	18 50.18	-35 3.5	1.555	2.516	9.5	19.7
6 20	18 38.07	-17 12.1	1.270	2.274	5.3	18.5	6 20	18 39.77	-34 40.2	1.506	2.502	6.0	19.5
6 30	18 28.36	-17 55.8	1.246	2.260	2.5	18.3	6 30	18 28.10	-34 0.4	1.483	2.489	4.5	19.3
7 10	18 18.58	-18 44.9	1.247	2.246	6.4	18.5	7 10	18 16.67	-33 4.6	1.486	2.475	7.0	19.4
7 20	18 10.05	-19 36.3	1.272	2.233	11.2	18.8	7 20	18 6.88	-31 56.2	1.514	2.462	10.9	19.6
7 30	18 3.94	-20 27.5	1.318	2.220	15.7	19.0	7 30	17 59.80	-30 41.1	1.565	2.448	14.7	19.8
132190	2002 <i>EV</i> ₃₄		6 28.4 163°13	1°4/28.2	18		16047	1999 <i>JG</i> ₁₀		6 28.4 3°06	5°3/29.5	18	
5 21	19 0.33	-26 7.5	2.336	3.148	12.8	21.5	5 21	18 53.01	-8 42.1	1.897	2.708	15.4	17.6
5 31	18 54.95	-26 34.7	2.253	3.154	10.0	21.3	5 31	18 49.54	-8 26.4	1.818	2.708	12.6	17.4
6 10	18 47.43	-27 2.3	2.193	3.160	6.8	21.1	6 10	18 43.94	-8 22.9	1.759	2.708	9.5	17.2
6 20	18 38.29	-27 27.6	2.160	3.164	3.4	20.9	6 20	18 36.72	-8 33.0	1.723	2.708	6.6	17.0
6 30	18 28.36	-27 48.2	2.155	3.169	1.6	20.8	6 30	18 28.69	-8 56.9	1.712	2.709	5.3	17.0
7 10	18 18.57	-28 2.5	2.178	3.172	4.6	21.0	7 10	18 20.77	-9 33.4	1.727	2.710	6.9	17.1
7 20	18 9.83	-28 10.3	2.229	3.175	8.0	21.2	7 20	18 13.88	-10 19.9	1.767	2.711	9.8	17.2
7 30	18 2.89	-28 12.6	2.305	3.178	11.0	21.4	7 30	18 8.76	-11 13.5	1.830	2.713	12.9	17.4
230343	2002 <i>CA</i> ₂₂₀		6 28.4 140°79	6°6/27.8	18		283680	2002 <i>QZ</i> ₇₉		6 28.4 235°27	0°7/28.3	16	
5 21	19 5.08	-40 29.0	2.064	2.864	14.6	20.5	5 21	18 57.26	-24 5.4	2.091	2.914	13.7	21.3
5 31	18 59.35	-41 16.1	1.992	2.872	12.1	20.3	5 31	18 52.89	-24 23.1	2.001	2.909	10.7	21.1
6 10	18 50.72	-41 54.1	1.941	2.879	9.4	20.2	6 10	18 46.24	-24 42.8	1.934	2.904	7.3	20.9
6 20	18 39.91	-42 17.4	1.914	2.886	7.3	20.0	6 20	18 37.82	-25 2.2	1.892	2.898	3.5	20.6
6 30	18 28.06	-42 21.4	1.913	2.892	6.7	20.0	6 30	18 28.47	-25 19.1	1.876	2.892	1.0	20.4
7 10	18 16.55	-42 5.1	1.938	2.899	8.1	20.1	7 10	18 19.21	-25 32.0	1.889	2.886	4.8	20.7
7 20	18 6.65	-41 30.7	1.988	2.904	10.5	20.3	7 20	18 10.99	-25 40.5	1.928	2.880	8.6	20.9
7 30	17 59.29	-40 42.9	2.062	2.910	13.1	20.5	7 30	18 4.65	-25 45.1	1.990	2.874	12.0	21.1
88424	2001 <i>QC</i> ₆₁		6 28.4 262°66	6°4/30.2	18		424727	2008 <i>SZ</i> ₂₂₆		6 28.4 142°00	4°8/28.7	17	
5 21	19 1.56	-4 54.3	1.727	2.514	17.6	19.3	5 21	18 56.37	-12 27.4	1.841	2.657	15.6	20.7
5 31	18 56.93	-5 8.6	1.616	2.489	14.8	19.0	5 31	18 52.19	-11 44.9	1.762	2.657	12.6	20.5
6 10	18 49.48	-5 43.0	1.524	2.462	11.5	18.8	6 10	18 45.73	-11 10.1	1.703	2.658	9.3	20.3
6 20	18 39.58	-6 39.9	1.454	2.435	8.2	18.5	6 20	18 37.56	-10 44.8	1.668	2.659	6.1	20.1
6 30	18 28.07	-7 59.2	1.411	2.406	6.4	18.3	6 30	18 28.54	-10 30.5	1.659	2.660	4.9	20.0
7 10	18 16.13	-9 37.8	1.394	2.377	8.2	18.4	7 10	18 19.70	-10 27.4	1.675	2.660	6.9	20.2
7 20	18 5.07	-11 29.8	1.404	2.347	12.0	18.5	7 20	18 12.00	-10 34.9	1.717	2.661	10.1	20.4
7 30	17 56.11	-13 28.5	1.438	2.317	16.0	18.7	7 30	18 6.23	-10 51.5	1.782	2.661	13.4	20.6
401170	2011 <i>WQ</i> ₆₃		6 28.4 202°59	1°1/28.5	18		323395						

EPHEMERIDES

6 28.4

6 28.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
235864	2005 <i>AR</i> ₅₇		6 28.4	92°68	6°7/27.7	18	391348	2006 <i>UN</i> ₂₁₄		6 28.4	43°27	2°6/28.5	18
5 21	19 3.78	-39 47.7	1.995	2.801	14.9	20.5	5 21	18 55.66	-18 6.1	1.976	2.800	14.4	20.4
5 31	18 58.36	-40 44.1	1.932	2.815	12.2	20.3	5 31	18 51.45	-17 29.8	1.902	2.807	11.3	20.2
6 10	18 50.06	-41 31.8	1.890	2.830	9.5	20.2	6 10	18 45.11	-16 57.0	1.849	2.815	7.9	20.0
6 20	18 39.61	-42 4.9	1.871	2.844	7.3	20.1	6 20	18 37.24	-16 28.2	1.821	2.823	4.3	19.8
6 30	18 28.16	-42 18.9	1.879	2.858	6.7	20.1	6 30	18 28.67	-16 4.2	1.820	2.831	2.6	19.7
7 10	18 17.09	-42 12.4	1.912	2.872	8.2	20.2	7 10	18 20.36	-15 45.6	1.845	2.839	5.3	19.9
7 20	18 7.64	-41 47.6	1.970	2.886	10.6	20.3	7 20	18 13.19	-15 32.6	1.896	2.848	8.8	20.2
7 30	18 0.74	-41 9.0	2.050	2.899	13.1	20.5	7 30	18 7.85	-15 25.4	1.971	2.857	12.0	20.4
251971	2000 <i>AN</i> ₁₅₀		6 28.4	105°32	5°0/28.4	18	378649	2008 <i>GH</i> ₃₇		6 28.4	3°92	0°5/28.4	16
5 21	18 55.88	- 8 44.2	2.739	3.520	11.9	19.7	5 21	18 53.37	-22 35.5	1.202	2.067	19.2	20.8
5 31	18 50.85	- 7 39.7	2.667	3.535	9.8	19.6	5 31	18 51.27	-22 57.1	1.136	2.066	15.1	20.5
6 10	18 44.32	- 6 41.9	2.617	3.550	7.5	19.5	6 10	18 45.87	-23 24.3	1.087	2.066	10.2	20.2
6 20	18 36.75	- 5 52.7	2.594	3.565	5.7	19.4	6 20	18 37.88	-23 54.2	1.059	2.068	4.8	19.9
6 30	18 28.72	- 5 14.0	2.599	3.579	5.0	19.4	6 30	18 28.53	-24 23.0	1.054	2.070	1.1	19.7
7 10	18 20.91	- 4 46.7	2.632	3.593	6.1	19.5	7 10	18 19.44	-24 47.7	1.071	2.073	6.6	20.0
7 20	18 13.92	- 4 30.9	2.692	3.607	8.1	19.6	7 20	18 12.08	-25 7.0	1.111	2.078	11.8	20.3
7 30	18 8.24	- 4 25.6	2.776	3.621	10.2	19.8	7 30	18 7.62	-25 21.1	1.171	2.084	16.4	20.6
502623	2015 <i>CV</i> ₂₆		6 28.4	242°78	1°4/28.6	17	321295	2009 <i>FH</i> ₄₅		6 28.4	137°49	15°4/24.9	18
5 21	18 59.26	-19 29.1	1.812	2.636	15.5	22.4	5 21	19 19.38	-48 38.2	1.272	2.072	22.0	20.9
5 31	18 54.82	-19 28.3	1.717	2.624	12.3	22.2	5 31	19 14.29	-51 24.0	1.222	2.082	19.4	20.7
6 10	18 47.78	-19 32.4	1.643	2.611	8.5	21.9	6 10	19 3.21	-53 55.4	1.190	2.091	17.1	20.6
6 20	18 38.65	-19 40.4	1.593	2.598	4.2	21.7	6 20	18 46.66	-55 54.6	1.178	2.100	15.6	20.5
6 30	18 28.34	-19 51.0	1.569	2.584	1.5	21.4	6 30	18 26.81	-57 5.8	1.187	2.108	15.6	20.5
7 10	18 18.02	-20 2.9	1.572	2.570	5.5	21.7	7 10	18 7.17	-57 23.2	1.216	2.115	17.0	20.7
7 20	18 8.84	-20 15.4	1.601	2.556	9.9	21.9	7 20	17 51.17	-56 53.2	1.263	2.122	19.1	20.8
7 30	18 1.80	-20 28.3	1.653	2.541	13.8	22.1	7 30	17 40.98	-55 49.2	1.327	2.128	21.4	21.0
482180	2010 <i>UT</i> ₃₁		6 28.4	276°35	3°6/27.6	16	23258	<i>Tsuihark</i>		6 28.4	330°71	2°9/27.8	18
5 21	18 56.99	-31 57.3	2.380	3.197	12.4	21.5	5 21	18 53.99	-24 59.5	1.171	2.038	19.5	17.6
5 31	18 52.68	-32 41.7	2.284	3.184	9.9	21.4	5 31	18 52.27	-25 56.7	1.092	2.023	15.5	17.3
6 10	18 46.13	-33 24.3	2.211	3.171	7.1	21.2	6 10	18 46.98	-27 1.6	1.030	2.009	10.7	17.0
6 20	18 37.81	-34 1.5	2.163	3.158	4.5	21.0	6 20	18 38.61	-28 8.8	0.989	1.996	5.5	16.6
6 30	18 28.50	-34 29.7	2.142	3.145	3.7	20.9	6 30	18 28.36	-29 11.1	0.970	1.984	3.2	16.4
7 10	18 19.18	-34 46.8	2.149	3.132	5.7	21.0	7 10	18 18.02	-30 2.4	0.974	1.973	7.9	16.7
7 20	18 10.79	-34 52.5	2.182	3.119	8.7	21.2	7 20	18 9.37	-30 39.3	1.000	1.963	13.3	16.9
7 30	18 4.21	-34 48.2	2.239	3.105	11.5	21.3	7 30	18 3.93	-31 2.6	1.044	1.954	18.2	17.2
299807	2006 <i>SS</i> ₁₂₀		6 28.4	272°47	2°3/27.9	18	208506	2001 <i>WB</i> ₉₃		6 28.4	203°18	4°6/27.7	17
5 21	18 57.00	-27 26.9	2.147	2.971	13.4	20.7	5 21	19 4.47	-31 50.7	1.677	2.502	16.5	21.0
5 31	18 52.81	-28 7.5	2.054	2.961	10.5	20.5	5 31	18 59.45	-32 41.6	1.594	2.498	13.2	20.8
6 10	18 46.27	-28 49.2	1.984	2.951	7.3	20.3	6 10	18 51.21	-33 30.6	1.532	2.495	9.5	20.5
6 20	18 37.90	-29 28.7	1.938	2.941	3.9	20.0	6 20	18 40.36	-34 11.6	1.494	2.490	5.9	20.3
6 30	18 28.49	-30 2.4	1.919	2.931	2.5	19.9	6 30	18 28.07	-34 39.0	1.481	2.486	4.7	20.2
7 10	18 19.07	-30 28.0	1.928	2.920	5.3	20.1	7 10	18 15.88	-34 49.6	1.495	2.480	7.5	20.4
7 20	18 10.65	-30 44.6	1.963	2.910	8.8	20.3	7 20	18 5.28	-34 44.1	1.533	2.474	11.3	20.6
7 30	18 4.13	-30 53.1	2.022	2.900	12.1	20.5	7 30	17 57.44	-34 26.0	1.594	2.468	15.0	20.8
156547	2002 <i>DX</i> ₁₄		6 28.4	202°11	3°4/28.9	18	428055	2006 <i>DF</i> ₂₁₇		6 28.4	38°20	7°4/30.1	17
5 21	18 57.60	-12 54.9	2.328	3.127	13.2	21.3	5 21	18 54.46	- 4 56.1	1.616	2.423	17.8	20.4
5 31	18 52.75	-12 42.2	2.235	3.123	10.6	21.1	5 31	18 50.94	- 4 32.5	1.549	2.431	14.8	20.2
6 10	18 45.94	-12 36.7	2.164	3.118	7.7	20.9	6 10	18 45.01	- 4 25.9	1.500	2.439	11.6	20.0
6 20	18 37.64	-12 38.8	2.118	3.112	4.8	20.7	6 20	18 37.28	- 4 38.7	1.473	2.447	8.7	19.9
6 30	18 28.55	-12 48.5	2.100	3.105	3.4	20.6	6 30	18 28.67	- 5 11.6	1.469	2.456	7.4	19.8
7 10	18 19.53	-13 5.3	2.110	3.098	5.4	20.7	7 10	18 20.29	- 6 2.6	1.490	2.465	8.6	19.9
7 20	18 11.37	-13 27.8	2.148	3.091	8.4	20.9	7 20	18 13.14	- 7 7.7	1.535	2.475	11.4	20.1
7 30	18 4.80	-13 55.0	2.210	3.082	11.4	21.1	7 30	18 8.06	- 8 22.1	1.602	2.484	14.5	20.3
161595	2005 <i>SK</i> ₁₉		6 28.4	325°41	3°3/28.7	18	174554	2003 <i>FB</i> ₈₆		6 28.4	58°21	4°3/28.9	17
5 21	18 52.83	-15 23.0	1.888	2.716	14.8	19.7	5 21	18 55.44	-12 33.7	1.990	2.802	14.7	19.9
5 31	18 49.57	-14 58.6	1.797	2.703	11.9	19.5	5 31	18 51.10	-11 58.0	1.928	2.822	11.8	19.7
6 10	18 44.08	-14 40.4	1.727	2.691	8.5	19.2	6 10	18 44.77	-11 30.2	1.888	2.843	8.5	19.5
6 20	18 36.86	-14 29.2	1.680	2.679	5.0	19.0	6 20	18 37.04	-11 11.6	1.872	2.863	5.5	19.4
6 30	18 28.70	-14 25.6	1.659	2.668	3.4	18.9	6 30	18 28.73	-11 3.0	1.882	2.883	4.3	19.4
7 10	18 20.59	-14 29.4	1.663	2.657	5.9	19.0	7 10	18 20.74	-11 4.0	1.919	2.904	6.1	19.5
7 20	18 13.49	-14 39.9	1.693	2.646	9.6	19.2	7 20	18 13.87	-11 13.7	1.981	2.924	9.0	19.7
7 30	18 8.23	-14 56.2	1.746	2.636	13.0	19.4	7 30	18 8.76	-11 30.7	2.067	2.945	11.8	19.9
519342	2011 <i>GA</i> ₉₀		6 28.4	141°89	1°6/28.6	17	213540	2002 <i>JH</i> ₇₂		6 28.4	354°57	2°5/29.1	18
5 21	18 58.49	-18 35.7	2.024	2.842	14.3	22.0	5 21	18 52.96	-14 54.7	1.138	1.999	20.3	19.2
5 31	18 53.67	-18 31.7	1.947	2.849	11.3	21.8	5 31	18 51.08	-15 26.5	1.068	1.994	16.3	18.9
6 10	18 46.63	-18 32.4	1.891	2.856	7.7	21.6	6 10	18 45.88	-16 15.1	1.015	1.990	11.4	18.6
6 20	18 37.97	-18 37.0	1.859	2.863	3.9	21.4	6 20	18 37.96	-17 19.1	0.982	1.987	6.0	18.3
6 30	18 28.51	-18 44.6	1.855	2.870	1.7	21.2	6 30	18 28.52	-18 34.4	0.971	1.986	2.5	18.1
7 10	18 19.27	-18 54.3	1.879	2.876	4.9	21.5	7 10	18 19.17	-19 54.7	0.983	1.985	7.0	18.4
7 20	18 11.15	-19 5.3	1.929	2.881	8.6	21.7	7 20	18 11.47	-21 14.1	1.018	1.986	12.4	18.7
7 30	18 4.91	-19 17.5	2.004	2.887	11.9	21.9	7 30	18 6.70	-22 28.2	1.072	1.988	17.2	19.0
433528													

EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
204096	2003 <i>WP</i> ₇₉		6 28.4 264°70		4°6/27.4 18		282729	2006 <i>DR</i> ₇₈		6 28.4 103°51		0°8/28.6 17	
5 21	18 59.54	-32 40.9	2.004	2.826	14.3	20.0	5 21	18 57.42	-20 29.9	1.846	2.674	15.1	21.6
5 31	18 55.17	-33 37.8	1.914	2.816	11.5	19.8	5 31	18 53.16	-20 36.1	1.768	2.677	11.8	21.4
6 10	18 48.10	-34 33.0	1.846	2.806	8.3	19.6	6 10	18 46.49	-20 46.6	1.711	2.681	8.0	21.2
6 20	18 38.86	-35 21.4	1.803	2.796	5.5	19.4	6 20	18 38.00	-21 0.0	1.679	2.685	3.9	20.9
6 30	18 28.38	-35 58.0	1.786	2.786	4.7	19.3	6 30	18 28.59	-21 14.6	1.672	2.688	1.0	20.7
7 10	18 17.88	-36 19.8	1.796	2.776	6.9	19.4	7 10	18 19.38	-21 29.0	1.693	2.692	5.1	21.0
7 20	18 8.58	-36 26.7	1.831	2.766	10.1	19.6	7 20	18 11.37	-21 42.6	1.739	2.695	9.1	21.3
7 30	18 1.49	-36 20.6	1.889	2.756	13.3	19.8	7 30	18 5.41	-21 55.1	1.809	2.699	12.7	21.5
9203	Myrtus		6 28.4 21°05		0°3/28.4 18		272628	2005 <i>WK</i> ₆₅		6 28.4 131°32		4°6/28.9 17	
5 21	18 54.52	-23 5.0	2.008	2.839	13.9	17.1	5 21	18 58.99	-10 38.5	2.248	3.040	13.8	22.1
5 31	18 50.74	-23 18.9	1.931	2.842	10.9	16.9	5 31	18 53.65	-10 3.1	2.176	3.056	11.2	21.9
6 10	18 44.77	-23 35.2	1.875	2.846	7.3	16.7	6 10	18 46.42	-9 35.7	2.126	3.072	8.3	21.8
6 20	18 37.15	-23 52.1	1.844	2.851	3.4	16.4	6 20	18 37.83	-9 17.6	2.102	3.086	5.7	21.6
6 30	18 28.73	-24 7.6	1.840	2.856	0.7	16.2	6 30	18 28.64	-9 9.7	2.105	3.101	4.6	21.6
7 10	18 20.48	-24 20.5	1.862	2.861	4.7	16.5	7 10	18 19.71	-9 11.8	2.135	3.114	6.1	21.7
7 20	18 13.33	-24 30.3	1.911	2.867	8.4	16.8	7 20	18 11.79	-9 23.1	2.193	3.127	8.8	21.9
7 30	18 8.04	-24 37.2	1.983	2.872	11.8	17.0	7 30	18 5.54	-9 42.0	2.275	3.139	11.4	22.1
314580	2005 <i>YG</i> ₂₄₈		6 28.4 233°26		3°2/29.4 18		214990	2008 <i>BB</i> ₄₂		6 28.4 154°18		0°9/28.2 18	
5 21	18 54.02	-10 19.5	2.767	3.557	11.6	21.4	5 21	18 56.87	-23 47.7	2.442	3.257	12.2	20.7
5 31	18 49.71	-10 31.6	2.668	3.548	9.4	21.2	5 31	18 52.22	-24 21.9	2.358	3.261	9.5	20.6
6 10	18 43.79	-10 52.7	2.591	3.539	6.9	21.0	6 10	18 45.61	-24 58.6	2.297	3.265	6.4	20.4
6 20	18 36.64	-11 22.8	2.540	3.530	4.4	20.9	6 20	18 37.53	-25 35.2	2.263	3.269	3.1	20.2
6 30	18 28.82	-12 1.1	2.518	3.520	3.2	20.8	6 30	18 28.68	-26 9.4	2.257	3.272	1.1	20.0
7 10	18 21.00	-12 46.2	2.524	3.510	4.7	20.8	7 10	18 19.93	-26 39.2	2.279	3.275	4.3	20.2
7 20	18 13.82	-13 36.2	2.558	3.500	7.3	21.0	7 20	18 12.07	-27 3.6	2.329	3.278	7.5	20.5
7 30	18 7.89	-14 29.1	2.618	3.490	9.9	21.1	7 30	18 5.83	-27 22.9	2.404	3.281	10.5	20.6
346818	2009 <i>CO</i> ₅₇		6 28.4 181°68		0°1/28.4 16		405806	2006 <i>BT</i> ₅₃		6 28.4 195°39		1°4/28.3 17	
5 21	18 56.92	-23 10.4	2.077	2.901	13.7	21.8	5 21	19 2.29	-25 42.5	1.536	2.371	17.2	21.6
5 31	18 52.55	-23 14.5	1.993	2.901	10.8	21.6	5 31	18 57.68	-25 57.2	1.457	2.370	13.6	21.4
6 10	18 45.96	-23 20.2	1.931	2.901	7.3	21.4	6 10	18 49.94	-26 12.8	1.397	2.369	9.3	21.1
6 20	18 37.71	-23 26.0	1.894	2.901	3.4	21.1	6 20	18 39.75	-26 26.0	1.361	2.367	4.5	20.8
6 30	18 28.63	-23 30.5	1.885	2.901	0.6	20.9	6 30	18 28.26	-26 33.5	1.350	2.365	1.7	20.6
7 10	18 19.69	-23 32.7	1.902	2.901	4.7	21.2	7 10	18 16.98	-26 33.8	1.364	2.363	6.2	20.9
7 20	18 11.85	-23 32.6	1.946	2.901	8.4	21.4	7 20	18 7.28	-26 27.3	1.404	2.360	10.2	21.2
7 30	18 5.86	-23 31.0	2.015	2.900	11.8	21.6	7 30	18 0.28	-26 16.1	1.465	2.356	15.0	21.4
439717	2014 <i>MX</i> ₄₂		6 28.4 8°94		5°3/28.1 16		290703	2005 <i>UU</i> ₃₈₉		6 28.4 32°37		5°4/28.9 17	
5 21	18 53.40	-14 50.6	1.610	2.446	16.5	19.8	5 21	18 56.54	-14 13.4	1.068	1.927	21.6	20.6
5 31	18 50.13	-13 29.7	1.541	2.449	13.3	19.6	5 31	18 53.73	-13 32.3	1.011	1.933	17.3	20.4
6 10	18 44.45	-12 13.3	1.491	2.453	9.8	19.4	6 10	18 47.49	-13 2.9	0.971	1.941	12.5	20.1
6 20	18 37.01	-11 5.0	1.465	2.458	6.5	19.2	6 20	18 38.62	-12 47.5	0.950	1.949	7.7	19.9
6 30	18 28.77	-10 8.1	1.464	2.464	5.4	19.1	6 30	18 28.50	-12 47.3	0.950	1.959	5.5	19.8
7 10	18 20.84	-9 25.3	1.487	2.472	7.6	19.3	7 10	18 18.83	-13 1.4	0.973	1.968	8.6	20.0
7 20	18 14.21	-8 57.3	1.535	2.480	11.0	19.5	7 20	18 11.09	-13 27.4	1.017	1.978	13.3	20.3
7 30	18 9.65	-8 43.6	1.604	2.490	14.3	19.7	7 30	18 6.37	-14 2.0	1.079	1.989	17.7	20.6
327208	2005 <i>NB</i> ₈₂		6 28.4 13°60		3°1/29.3 17		126387	2002 <i>BZ</i>		6 28.4 163°03		3°2/28.0 18	
5 21	18 52.60	-12 56.8	1.113	1.972	20.8	20.1	5 21	19 1.32	-30 47.2	1.994	2.814	14.4	20.0
5 31	18 50.68	-13 36.2	1.052	1.976	16.6	19.9	5 31	18 56.26	-31 18.2	1.915	2.817	11.4	19.8
6 10	18 45.50	-14 35.0	1.008	1.981	11.7	19.6	6 10	18 48.63	-31 46.6	1.857	2.820	8.0	19.6
6 20	18 37.73	-15 51.3	0.984	1.988	6.4	19.3	6 20	18 39.02	-32 8.5	1.824	2.823	4.7	19.4
6 30	18 28.61	-17 20.3	0.983	1.996	3.1	19.2	6 30	18 28.43	-32 20.5	1.817	2.825	3.3	19.3
7 10	18 19.74	-18 54.6	1.004	2.006	7.0	19.4	7 10	18 18.05	-32 21.0	1.838	2.827	5.9	19.4
7 20	18 12.59	-20 27.2	1.048	2.017	12.1	19.8	7 20	18 8.97	-32 10.9	1.885	2.829	9.4	19.7
7 30	18 8.32	-21 53.1	1.112	2.028	16.7	20.1	7 30	18 2.11	-31 52.6	1.956	2.830	12.6	19.9
321367	2009 <i>OF</i> ₂		6 28.4 5°50		1°5/28.2 17		3021	Lucubratio		6 28.4 187°38		5°4/27.5 18	
5 21	18 51.45	-23 51.5	1.037	1.915	20.6	19.9	5 21	19 1.46	-43 13.0	3.207	3.981	10.5	18.2
5 31	18 50.24	-24 21.6	0.976	1.914	16.2	19.6	5 31	18 55.65	-43 50.9	3.122	3.981	8.8	18.1
6 10	18 45.44	-24 56.9	0.933	1.915	11.0	19.3	6 10	18 47.84	-44 20.9	3.059	3.979	7.1	17.9
6 20	18 37.76	-25 33.5	0.909	1.918	5.3	19.0	6 20	18 38.55	-44 39.6	3.022	3.978	5.7	17.9
6 30	18 28.61	-26 6.6	0.906	1.922	1.8	18.8	6 30	18 28.53	-44 44.2	3.013	3.975	5.4	17.8
7 10	18 19.78	-26 32.4	0.925	1.928	7.3	19.2	7 10	18 18.66	-44 33.8	3.030	3.973	6.3	17.9
7 20	18 12.92	-26 49.6	0.965	1.935	12.7	19.5	7 20	18 9.76	-44 9.6	3.075	3.970	7.9	18.0
7 30	18 9.25	-26 59.3	1.024	1.944	17.5	19.8	7 30	18 2.54	-43 34.1	3.144	3.966	9.7	18.1
136789	1996 <i>XV</i> ₁₁		6 28.4 311°06		0°5/28.3 18		399248	2014 <i>HB</i> ₂₆		6 28.4 46°41		0°6/28.4 15	
5 21	18 56.03	-20 44.3	1.346	2.198	18.3	19.1	5 21	18 55.73	-23 53.0	2.045	2.873	13.8	21.6
5 31	18 53.37	-21 29.1	1.258	2.181	14.5	18.8	5 31	18 51.63	-24 7.6	1.970	2.880	10.8	21.4
6 10	18 47.46	-22 24.4	1.189	2.165	10.0	18.5	6 10	18 45.35	-24 23.9	1.916	2.887	7.3	21.2
6 20	18 38.79	-23 27.2	1.142	2.150	4.7	18.2	6 20	18 37.44	-24 39.9	1.887	2.894	3.4	21.0
6 30	18 28.40	-24 32.2	1.119	2.135	1.1	17.9	6 30	18 28.74	-24 53.8	1.885	2.901	0.9	20.8
7 10	18 17.83	-25 33.9	1.120	2.120	6.7	18.2	7 10	18 20.24	-25 4.1	1.910	2.908	4.7	21.1
7 20	18 8.68	-26 28.3	1.144	2.106	12.1	18.4	7 20	18 12.86	-25 10.8	1.961	2.916	8.3	21.4
7 30	18 2.30	-27 14.0	1.189	2.093	16.8	18.7	7 30	18 7.34	-25 14.2	2.036	2.924	11.6	21.6
342753	2008 <i>WU</i> ₇₃		6 28.4 237°97		1°6/28.0 18		96043	2004 <i>PC</i> ₉₃		6 28.4 302°57			

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
375163	2008 <i>CM</i> ₁₆₂		6 28.4 16°64	1.2°/28.3	17		172883	2005 <i>EP</i> ₂₅₆		6 28.5 63°39	6°5°/28.7	17	
5 21	18 55.47	-24 45.7	1.181	2.045	19.5	20.5	5 21	18 59.69	-11 52.8	1.354	2.184	19.4	19.5
5 31	18 52.94	-24 59.6	1.120	2.050	15.3	20.2	5 31	18 55.26	-10 43.9	1.300	2.203	15.7	19.3
6 10	18 46.99	-25 15.8	1.076	2.055	10.4	20.0	6 10	18 47.99	-9 45.6	1.265	2.221	11.6	19.2
6 20	18 38.42	-25 31.0	1.053	2.061	5.0	19.7	6 20	18 38.70	-9 1.5	1.251	2.240	8.0	19.0
6 30	18 28.56	-25 41.9	1.053	2.069	1.5	19.5	6 30	18 28.57	-8 34.1	1.261	2.260	6.6	19.0
7 10	18 19.10	-25 46.7	1.076	2.077	6.7	19.9	7 10	18 18.98	-8 24.1	1.296	2.279	8.7	19.1
7 20	18 11.52	-25 45.6	1.121	2.086	11.9	20.2	7 20	18 11.08	-8 30.1	1.354	2.298	12.2	19.4
7 30	18 6.94	-25 40.4	1.186	2.097	16.3	20.5	7 30	18 5.70	-8 49.4	1.432	2.317	15.7	19.7
94177	2001 <i>AF</i> ₃₃		6 28.4 311°82	3°6°/28.3	18		98583	2000 <i>WX</i> ₄₃		6 28.5 274°27	1°9°/28.7	18	
5 21	18 58.64	-34 12.8	2.296	3.110	12.9	19.5	5 21	18 58.72	-18 19.3	1.567	2.401	17.0	19.9
5 31	18 53.87	-34 23.4	2.210	3.108	10.3	19.3	5 31	18 54.99	-18 19.0	1.468	2.380	13.6	19.6
6 10	18 46.84	-34 28.3	2.147	3.106	7.5	19.2	6 10	18 48.30	-18 25.8	1.389	2.359	9.5	19.3
6 20	18 38.13	-34 24.4	2.109	3.104	4.7	19.0	6 20	18 39.13	-18 39.1	1.332	2.337	4.9	19.0
6 30	18 28.63	-34 9.7	2.098	3.102	3.6	18.9	6 30	18 28.43	-18 57.4	1.301	2.315	2.0	18.7
7 10	18 19.34	-33 43.8	2.114	3.100	5.6	19.0	7 10	18 17.56	-19 19.0	1.294	2.293	6.3	18.9
7 20	18 11.23	-33 8.4	2.157	3.098	8.5	19.2	7 20	18 7.89	-19 42.5	1.313	2.271	11.3	19.2
7 30	18 5.05	-32 26.2	2.224	3.097	11.4	19.4	7 30	18 0.62	-20 6.9	1.353	2.248	15.8	19.4
355238	2007 <i>CS</i> ₃₂		6 28.4 315°45	4°1°/29.3	18		35441	Kyoko		6 28.5 215°30	7°0°/27.3	18	
5 21	18 52.78	-10 50.8	2.090	2.901	14.1	20.5	5 21	19 5.45	-41 5.7	2.134	2.931	14.4	19.0
5 31	18 49.32	-10 46.3	1.998	2.890	11.5	20.3	5 31	18 59.90	-42 3.4	2.049	2.924	12.0	18.8
6 10	18 43.84	-10 52.0	1.926	2.879	8.5	20.1	6 10	18 51.36	-42 53.2	1.984	2.917	9.5	18.6
6 20	18 36.78	-11 8.8	1.878	2.869	5.5	19.9	6 20	18 40.44	-43 28.9	1.943	2.910	7.6	18.5
6 30	18 28.87	-11 36.5	1.856	2.859	4.1	19.8	6 30	18 28.22	-43 44.9	1.929	2.902	7.1	18.5
7 10	18 20.96	-12 13.8	1.860	2.849	5.9	19.9	7 10	18 16.11	-43 39.1	1.940	2.894	8.5	18.5
7 20	18 13.93	-12 58.4	1.891	2.839	9.0	20.1	7 20	18 5.44	-43 12.9	1.976	2.885	10.9	18.7
7 30	18 8.52	-13 48.1	1.945	2.830	12.2	20.2	7 30	17 57.32	-42 30.9	2.035	2.876	13.5	18.8
68153	2001 <i>BV</i>		6 28.4 207°86	4°8°/27.9	17		254965	2005 <i>SG</i> ₂₂₆		6 28.5 307°86	4°6°/28.9	18	
5 21	19 3.80	-33 38.8	1.714	2.538	16.2	19.3	5 21	18 53.30	-11 32.4	2.060	2.872	14.3	20.8
5 31	18 58.85	-34 16.4	1.632	2.535	13.1	19.0	5 31	18 49.73	-10 59.2	1.967	2.860	11.6	20.6
6 10	18 50.75	-34 49.4	1.571	2.531	9.5	18.8	6 10	18 44.11	-10 33.9	1.896	2.849	8.6	20.4
6 20	18 40.15	-35 12.3	1.533	2.527	6.1	18.6	6 20	18 36.92	-10 18.1	1.849	2.838	5.8	20.2
6 30	18 28.24	-35 20.2	1.521	2.523	4.9	18.5	6 30	18 28.88	-10 12.8	1.827	2.827	4.7	20.1
7 10	18 16.52	-35 11.2	1.534	2.519	7.4	18.7	7 10	18 20.88	-10 18.1	1.832	2.816	6.4	20.2
7 20	18 6.41	-34 47.0	1.573	2.514	11.1	18.9	7 20	18 13.78	-10 33.4	1.862	2.805	9.5	20.3
7 30	17 59.01	-34 11.6	1.633	2.509	14.6	19.1	7 30	18 8.35	-10 57.0	1.915	2.795	12.6	20.5
274101	2008 <i>CG</i> ₁₈₁		6 28.4 96°76	6°9°/27.3	17		501677	2014 <i>TG</i> ₄₂		6 28.5 253°52	1°5°/28.3	17	
5 21	19 6.06	-36 43.3	1.637	2.457	17.0	20.3	5 21	19 0.84	-25 2.0	1.522	2.360	17.2	21.9
5 31	19 0.75	-38 1.3	1.578	2.474	13.8	20.1	5 31	18 56.77	-25 26.7	1.434	2.349	13.7	21.6
6 10	18 52.05	-39 13.0	1.539	2.490	10.5	20.0	6 10	18 49.53	-25 54.3	1.366	2.338	9.4	21.3
6 20	18 40.74	-40 10.2	1.524	2.505	7.7	19.9	6 20	18 39.69	-26 21.2	1.320	2.327	4.6	21.0
6 30	18 28.15	-40 46.5	1.533	2.521	7.0	19.9	6 30	18 28.35	-26 43.4	1.300	2.315	1.8	20.8
7 10	18 15.96	-40 59.2	1.568	2.536	8.9	20.0	7 10	18 17.00	-26 58.3	1.305	2.303	6.4	21.1
7 20	18 5.67	-40 50.3	1.627	2.551	11.9	20.2	7 20	18 7.11	-27 5.3	1.334	2.291	11.3	21.3
7 30	17 58.39	-40 24.9	1.707	2.565	14.9	20.4	7 30	17 59.90	-27 5.9	1.386	2.279	15.6	21.6
6902	Hideoasada		6 28.5 303°38	1°2°/28.6	18		307137	2002 <i>CV</i> ₁₇₅		6 28.5 264°49	2°2°/29.0	18	
5 21	18 55.72	-20 20.9	1.817	2.649	15.1	17.2	5 21	18 55.72	-14 42.4	2.508	3.311	12.3	21.5
5 31	18 52.03	-20 14.1	1.727	2.638	11.9	17.0	5 31	18 51.39	-14 57.7	2.397	3.290	9.8	21.3
6 10	18 45.87	-20 11.0	1.658	2.628	8.2	16.8	6 10	18 45.16	-15 20.7	2.309	3.268	7.0	21.1
6 20	18 37.80	-20 10.8	1.612	2.618	4.0	16.5	6 20	18 37.42	-15 50.9	2.246	3.246	3.9	20.9
6 30	18 28.69	-20 12.7	1.593	2.608	1.4	16.3	6 30	18 28.78	-16 27.1	2.212	3.223	2.2	20.7
7 10	18 19.65	-20 15.8	1.600	2.599	5.3	16.5	7 10	18 20.03	-17 7.6	2.206	3.200	4.6	20.8
7 20	18 11.74	-20 19.9	1.632	2.589	9.5	16.8	7 20	18 11.96	-17 50.8	2.227	3.177	7.8	21.0
7 30	18 5.86	-20 24.9	1.687	2.580	13.3	17.0	7 30	18 5.31	-18 34.9	2.275	3.153	10.9	21.2
172845	2005 <i>EK</i> ₁₁		6 28.5 165°14	0°8°/28.6	17		242539	2005 <i>CS</i> ₅		6 28.5 256°09	8°4°/30.9	18	
5 21	19 0.52	-19 34.2	1.683	2.510	16.3	20.6	5 21	18 56.68	+ 2 37.5	2.221	2.967	15.3	20.3
5 31	18 55.88	-19 52.3	1.605	2.513	12.9	20.4	5 31	18 52.26	+ 2 48.6	2.120	2.951	13.3	20.2
6 10	18 48.52	-20 16.9	1.546	2.516	8.8	20.1	6 10	18 45.81	+ 2 41.6	2.037	2.933	11.2	20.0
6 20	18 39.05	-20 45.9	1.512	2.518	4.2	19.9	6 20	18 37.74	+ 2 13.4	1.977	2.916	9.3	19.8
6 30	18 28.47	-21 16.7	1.504	2.520	1.1	19.7	6 30	18 28.72	+ 1 22.7	1.943	2.898	8.4	19.7
7 10	18 18.05	-21 46.9	1.523	2.522	5.5	20.0	7 10	18 19.63	+ 0 10.5	1.934	2.880	9.1	19.7
7 20	18 8.97	-22 15.0	1.567	2.523	10.0	20.2	7 20	18 11.30	- 1 19.7	1.951	2.861	11.0	19.8
7 30	18 2.20	-22 40.3	1.634	2.524	13.8	20.5	7 30	18 4.54	- 3 3.0	1.992	2.842	13.4	19.9
56007	1998 <i>TP</i> ₁₄		6 28.5 133°25	0°8°/28.4	18		253521	2003 <i>SQ</i> ₁₇₈		6 28.5 226°64	0°2°/28.5	17	
5 21	19 1.62	-23 59.9	1.405	2.247	18.2	19.8	5 21	19 1.29	-23 31.1	1.762	2.588	15.7	21.3
5 31	18 57.31	-24 14.0	1.334	2.251	14.3	19.6	5 31	18 56.55	-23 32.4	1.671	2.580	12.4	21.0
6 10	18 49.76	-24 30.7	1.281	2.255	9.7	19.3	6 10	18 49.04	-23 35.4	1.601	2.571	8.5	20.8
6 20	18 39.70	-24 47.1	1.251	2.258	4.6	19.1	6 20	18 39.35	-23 38.0	1.555	2.562	4.0	20.5
6 30	18 28.35	-24 59.9	1.245	2.261	1.2	18.8	6 30	18 28.45	-23 38.3	1.535	2.552	0.8	20.2
7 10	18 17.30	-25 7.2	1.265	2.265	6.3	19.2	7 10	18 17.64	-23 35.3	1.543	2.541	5.5	20.5
7 20	18 7.96	-25 9.0	1.309	2.268	11.2	19.5	7 20	18 8.11	-23 29.3	1.576	2.530	10.0	20.8
7 30	18 1.45	-25 7.0	1.374	2.270	15.5	19.7	7 30	18 0.89	-23 21.5	1.632	2.519	14.0	21.0
62394	2000 <i>SU</i> ₁₆₉		6 28.5 29°75	9°3°/28.8	18		64573	2001 <i>WC</i> ₄					

EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
287401	2002 VA ₉₈		6 28.5 283°81		2°6/27.9	18	161365	2003 SD ₁₉₉		6 28.5 297°56		4°1/28.6	18
5 21	18 59.03	-26 34.4	1.597	2.435	16.5	20.8	5 21	18 55.60	-15 10.7	1.777	2.603	15.7	19.6
5 31	18 55.38	-27 16.7	1.503	2.418	13.1	20.6	5 31	18 52.06	-14 30.4	1.675	2.580	12.7	19.3
6 10	18 48.66	-28 2.3	1.428	2.400	9.1	20.3	6 10	18 46.02	-13 55.0	1.594	2.556	9.2	19.1
6 20	18 39.33	-28 46.8	1.377	2.382	4.8	20.0	6 20	18 37.98	-13 26.1	1.536	2.533	5.7	18.8
6 30	18 28.43	-29 25.3	1.351	2.364	2.8	19.8	6 30	18 28.75	-13 5.3	1.503	2.510	4.1	18.7
7 10	18 17.39	-29 53.9	1.351	2.346	6.7	20.0	7 10	18 19.44	-12 53.4	1.496	2.487	6.8	18.8
7 20	18 7.64	-30 11.2	1.375	2.328	11.3	20.2	7 20	18 11.16	-12 50.6	1.514	2.464	10.7	18.9
7 30	18 0.48	-30 18.5	1.421	2.311	15.5	20.4	7 30	18 4.89	-12 56.5	1.554	2.442	14.5	19.1
205520	2001 SZ ₆₄		6 28.5 285°64		5°7/27.5	18	236603	2006 JM ₁₈		6 28.5 169°36		4°9/28.9	18
5 21	19 1.38	-31 56.2	1.381	2.224	18.4	19.8	5 21	18 56.69	-10 2.2	2.266	3.061	13.7	21.2
5 31	18 58.10	-32 55.4	1.287	2.202	14.9	19.5	5 31	18 52.03	-9 23.6	2.184	3.064	11.2	21.0
6 10	18 51.04	-33 55.1	1.213	2.180	10.9	19.2	6 10	18 45.47	-8 52.9	2.123	3.067	8.4	20.8
6 20	18 40.67	-34 48.0	1.160	2.157	7.0	18.9	6 20	18 37.51	-8 31.9	2.086	3.069	5.9	20.7
6 30	18 28.17	-35 25.9	1.131	2.135	5.9	18.8	6 30	18 28.87	-8 21.6	2.077	3.071	4.9	20.6
7 10	18 15.38	-35 43.5	1.125	2.112	9.1	18.9	7 10	18 20.37	-8 22.1	2.095	3.072	6.4	20.7
7 20	18 4.21	-35 40.2	1.142	2.089	13.7	19.1	7 20	18 12.78	-8 32.9	2.139	3.073	9.0	20.9
7 30	17 56.30	-35 20.0	1.179	2.067	18.1	19.3	7 30	18 6.78	-8 52.3	2.208	3.074	11.7	21.1
216514	2000 UN ₄₈		6 28.5 253°33		2°8/28.0	17	103696	2000 CP ₇₅		6 28.5 180°64		5°8/29.5	18
5 21	19 1.23	-27 39.2	1.595	2.430	16.7	20.6	5 21	18 55.60	-5 12.1	2.453	3.229	13.3	21.1
5 31	18 57.05	-28 17.2	1.506	2.419	13.3	20.4	5 31	18 51.06	-4 44.0	2.368	3.230	11.1	20.9
6 10	18 49.72	-28 56.6	1.437	2.407	9.2	20.1	6 10	18 44.78	-4 26.7	2.304	3.231	8.7	20.8
6 20	18 39.79	-29 32.9	1.392	2.396	4.9	19.8	6 20	18 37.20	-4 22.0	2.264	3.231	6.7	20.6
6 30	18 28.37	-30 1.2	1.372	2.384	3.0	19.7	6 30	18 28.96	-4 30.8	2.251	3.230	5.8	20.6
7 10	18 16.92	-30 18.2	1.377	2.372	6.7	19.9	7 10	18 20.81	-4 52.7	2.265	3.230	6.8	20.6
7 20	18 6.90	-30 23.5	1.407	2.359	11.2	20.1	7 20	18 13.46	-5 26.1	2.306	3.228	8.9	20.8
7 30	17 59.54	-30 19.3	1.459	2.346	15.3	20.3	7 30	18 7.55	-6 8.7	2.370	3.227	11.3	20.9
342871	2008 YE ₄₀		6 28.5 343°91		1°0/28.3	18	417215	2005 XM ₁₀₃		6 28.5 76°19		2°2/29.1	17
5 21	18 56.89	-23 44.4	1.910	2.739	14.6	20.3	5 21	18 58.36	-14 48.5	1.759	2.579	16.0	20.9
5 31	18 52.86	-24 17.8	1.827	2.738	11.4	20.1	5 31	18 53.88	-15 15.7	1.693	2.595	12.7	20.7
6 10	18 46.41	-24 54.7	1.767	2.737	7.7	19.9	6 10	18 46.98	-15 53.2	1.648	2.612	8.8	20.5
6 20	18 38.06	-25 32.1	1.730	2.737	3.7	19.6	6 20	18 38.30	-16 39.4	1.626	2.628	4.7	20.3
6 30	18 28.71	-26 6.9	1.720	2.736	1.3	19.4	6 30	18 28.76	-17 31.5	1.632	2.645	2.3	20.1
7 10	18 19.46	-26 36.6	1.738	2.735	5.1	19.7	7 10	18 19.49	-18 26.2	1.664	2.662	5.4	20.4
7 20	18 11.35	-27 0.0	1.781	2.735	9.1	19.9	7 20	18 11.48	-19 20.7	1.723	2.678	9.2	20.6
7 30	18 5.27	-27 17.4	1.847	2.734	12.6	20.2	7 30	18 5.56	-20 12.9	1.805	2.694	12.7	20.9
336233	2008 SF ₉₈		6 28.5 291°05		1°5/28.3	17	84415	2002 TL ₁₉₅		6 28.5 239°55		1°0/28.6	18
5 21	18 57.86	-26 11.0	1.762	2.597	15.4	21.5	5 21	18 56.23	-20 2.4	2.106	2.928	13.7	20.0
5 31	18 53.93	-26 24.6	1.674	2.587	12.2	21.2	5 31	18 52.03	-20 3.0	2.019	2.924	10.8	19.8
6 10	18 47.30	-26 38.5	1.607	2.578	8.3	21.0	6 10	18 45.68	-20 7.4	1.953	2.921	7.4	19.6
6 20	18 38.54	-26 50.1	1.563	2.569	4.1	20.7	6 20	18 37.70	-20 14.5	1.912	2.917	3.6	19.4
6 30	18 28.63	-26 56.7	1.545	2.560	1.7	20.5	6 30	18 28.87	-20 23.4	1.898	2.913	1.2	19.2
7 10	18 18.80	-26 56.9	1.553	2.551	5.6	20.7	7 10	18 20.14	-20 33.1	1.911	2.910	4.7	19.4
7 20	18 10.24	-26 50.9	1.587	2.542	9.9	21.0	7 20	18 12.42	-20 42.9	1.952	2.906	8.4	19.6
7 30	18 3.95	-26 40.3	1.643	2.534	13.7	21.2	7 30	18 6.46	-20 52.9	2.016	2.902	11.7	19.9
398803	2013 BB ₂₂		6 28.5 18°97		0°7/28.4	16	504856	2010 TZ ₁₄₀		6 28.5 272°96		3°9/28.5	17
5 21	18 55.98	-24 13.8	2.128	2.953	13.4	21.7	5 21	18 58.59	-16 30.7	1.561	2.392	17.2	21.8
5 31	18 51.84	-24 30.2	2.045	2.954	10.5	21.5	5 31	18 54.69	-15 46.9	1.469	2.377	13.9	21.5
6 10	18 45.53	-24 48.3	1.984	2.954	7.1	21.3	6 10	18 47.95	-15 7.4	1.398	2.363	9.9	21.2
6 20	18 37.59	-25 6.0	1.949	2.955	3.4	21.0	6 20	18 38.93	-14 33.9	1.349	2.349	5.9	21.0
6 30	18 28.82	-25 21.2	1.940	2.956	1.0	20.8	6 30	18 28.63	-14 7.9	1.325	2.334	4.0	20.8
7 10	18 20.19	-25 32.6	1.959	2.957	4.6	21.1	7 10	18 18.36	-13 50.4	1.326	2.319	7.1	21.0
7 20	18 12.59	-25 39.8	2.004	2.958	8.3	21.3	7 20	18 9.37	-13 42.1	1.352	2.304	11.5	21.2
7 30	18 6.81	-25 43.5	2.073	2.959	11.5	21.5	7 30	18 2.75	-13 42.7	1.399	2.289	15.6	21.4
398211	2010 NC ₉₉		6 28.5 313°76		0°4/28.5	18	346789	2009 BC ₁₄₅		6 28.5 180°21		1°5/28.3	16
5 21	18 53.99	-21 21.9	1.985	2.816	14.0	21.0	5 21	18 58.17	-27 5.7	2.125	2.947	13.5	21.8
5 31	18 50.58	-21 29.8	1.888	2.799	11.1	20.8	5 31	18 53.60	-27 18.7	2.041	2.948	10.6	21.6
6 10	18 44.88	-21 41.4	1.812	2.783	7.6	20.6	6 10	18 46.76	-27 30.9	1.980	2.948	7.3	21.4
6 20	18 37.38	-21 55.5	1.760	2.767	3.6	20.3	6 20	18 38.21	-27 40.0	1.943	2.948	3.6	21.1
6 30	18 28.86	-22 10.4	1.735	2.751	0.8	20.0	6 30	18 28.80	-27 43.9	1.934	2.948	1.7	21.0
7 10	18 20.32	-22 24.8	1.737	2.736	4.9	20.3	7 10	18 19.56	-27 41.6	1.952	2.948	4.9	21.2
7 20	18 12.76	-22 37.9	1.764	2.721	8.9	20.5	7 20	18 11.43	-27 33.5	1.996	2.947	8.5	21.4
7 30	18 7.05	-22 49.6	1.814	2.706	12.5	20.7	7 30	18 5.22	-27 21.1	2.065	2.947	11.7	21.6
440431	2005 SF ₂₁		6 28.5 265°35		0°5/28.4	18	430112	2013 TL ₈		6 28.5 252°26		0°6/28.4	18
5 21	18 56.12	-24 37.8	2.385	3.203	12.4	21.8	5 21	18 59.80	-23 19.1	1.879	2.704	15.0	21.4
5 31	18 51.79	-24 38.9	2.286	3.191	9.7	21.6	5 31	18 55.37	-23 39.1	1.780	2.688	11.8	21.1
6 10	18 45.45	-24 40.3	2.210	3.178	6.6	21.3	6 10	18 48.30	-24 2.4	1.703	2.672	8.1	20.9
6 20	18 37.56	-24 40.4	2.159	3.165	3.1	21.1	6 20	18 39.09	-24 26.6	1.650	2.656	3.9	20.6
6 30	18 28.84	-24 38.2	2.136	3.152	0.7	20.9	6 30	18 28.62	-24 49.0	1.623	2.639	0.9	20.3
7 10	18 20.16	-24 33.0	2.141	3.139	4.3	21.1	7 10	18 18.07	-25 7.3	1.624	2.622	5.4	20.6
7 20	18 12.38	-24 24.9	2.173	3.125	7.8	21.3	7 20	18 8.63	-25 20.8	1.650	2.604	9.7	20.8
7 30	18 6.23	-24 14.9	2.230	3.112	10.9	21.5	7 30	18 1.31	-25 29.8	1.700	2.586	13.6	21.0
480166	2015 FY ₃₀₀		6 28.5 347°07		10°5/30.4	16	28180						

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
113323	2002 <i>RF</i> ₂₀₅		6 28.5	67°00	6°2/28.2	17	510435	2011 <i>UM</i> ₃₈₇		6 28.5	126°24	1°5/28.9	17
5 21	19 2.81	-38 55.2	1.871	2.684	15.5	19.2	5 21	18 55.26	-16 52.8	2.483	3.292	12.2	21.2
5 31	18 57.81	-39 30.0	1.801	2.692	12.6	19.0	5 31	18 50.86	-17 7.2	2.402	3.300	9.6	21.0
6 10	18 49.85	-39 55.7	1.753	2.700	9.6	18.8	6 10	18 44.68	-17 27.3	2.344	3.307	6.6	20.8
6 20	18 39.70	-40 6.9	1.727	2.708	7.1	18.7	6 20	18 37.20	-17 52.2	2.311	3.313	3.5	20.7
6 30	18 28.55	-39 59.7	1.727	2.716	6.3	18.6	6 30	18 29.06	-18 20.5	2.306	3.320	1.6	20.5
7 10	18 17.81	-39 33.3	1.752	2.724	7.9	18.8	7 10	18 21.04	-18 50.8	2.330	3.326	4.1	20.7
7 20	18 8.74	-38 50.7	1.803	2.732	10.6	18.9	7 20	18 13.86	-19 21.7	2.381	3.333	7.3	20.9
7 30	18 2.26	-37 56.7	1.875	2.740	13.5	19.1	7 30	18 8.15	-19 52.3	2.458	3.339	10.1	21.1
416354	2003 <i>SJ</i> ₃₃₈		6 28.5	192°87	1°0/28.6	17	431344	2007 <i>BC</i> ₅₆		6 28.5	202°36	1°2/28.3	17
5 21	19 0.99	-20 11.5	1.832	2.653	15.4	23.0	5 21	19 1.28	-25 32.9	2.119	2.935	13.8	22.4
5 31	18 56.09	-20 12.5	1.747	2.652	12.2	22.8	5 31	18 56.11	-25 50.2	2.028	2.931	10.9	22.2
6 10	18 48.62	-20 17.9	1.683	2.650	8.3	22.5	6 10	18 48.54	-26 8.2	1.959	2.926	7.4	21.9
6 20	18 39.16	-20 26.2	1.642	2.648	4.1	22.3	6 20	18 39.12	-26 24.4	1.916	2.921	3.6	21.7
6 30	18 28.65	-20 35.9	1.629	2.645	1.2	22.0	6 30	18 28.72	-26 36.2	1.899	2.915	1.3	21.5
7 10	18 18.26	-20 45.8	1.643	2.641	5.3	22.3	7 10	18 18.39	-26 42.3	1.912	2.908	4.9	21.7
7 20	18 9.10	-20 55.3	1.683	2.637	9.5	22.6	7 20	18 9.16	-26 42.7	1.951	2.900	8.7	22.0
7 30	18 2.10	-21 4.7	1.747	2.632	13.3	22.8	7 30	18 1.91	-26 38.6	2.014	2.892	12.1	22.2
21850	Abshir		6 28.5	112°11	0°7/28.4	18	210879	2001 <i>ST</i> ₃₈		6 28.5	345°05	5°5/29.2	17
5 21	18 58.54	-24 49.2	1.870	2.699	14.9	19.5	5 21	18 53.99	- 8 47.1	2.028	2.833	14.7	20.2
5 31	18 54.13	-24 53.9	1.791	2.701	11.7	19.3	5 31	18 50.24	- 8 13.6	1.947	2.831	12.1	20.0
6 10	18 47.23	-24 59.2	1.734	2.704	7.9	19.1	6 10	18 44.46	- 7 50.3	1.885	2.830	9.2	19.9
6 20	18 38.47	-25 3.0	1.700	2.706	3.8	18.9	6 20	18 37.16	- 7 39.1	1.848	2.829	6.6	19.7
6 30	18 28.79	-25 3.6	1.693	2.709	1.0	18.7	6 30	18 29.08	- 7 41.1	1.835	2.828	5.5	19.6
7 10	18 19.32	-25 0.2	1.713	2.711	5.1	19.0	7 10	18 21.12	- 7 56.1	1.849	2.827	7.0	19.7
7 20	18 11.11	-24 53.0	1.758	2.714	9.1	19.2	7 20	18 14.11	- 8 22.6	1.888	2.826	9.7	19.9
7 30	18 5.02	-24 43.5	1.827	2.716	12.7	19.4	7 30	18 8.78	- 8 58.3	1.950	2.826	12.6	20.1
501742	2014 <i>UN</i> ₁₁₂		6 28.5	285°57	1°7/28.7	17	370422	2002 <i>UF</i> ₃₀		6 28.5	190°12	0°5/28.6	17
5 21	18 58.05	-18 15.0	1.359	2.204	18.6	21.4	5 21	19 0.66	-21 32.8	2.046	2.862	14.2	22.0
5 31	18 54.96	-18 24.8	1.266	2.184	14.9	21.1	5 31	18 55.57	-21 33.3	1.959	2.862	11.2	21.8
6 10	18 48.60	-18 44.1	1.192	2.165	10.4	20.8	6 10	18 48.14	-21 36.5	1.893	2.860	7.6	21.6
6 20	18 39.46	-19 12.1	1.139	2.145	5.3	20.5	6 20	18 38.92	-21 40.9	1.852	2.858	3.6	21.4
6 30	18 28.57	-19 46.3	1.110	2.125	1.9	20.2	6 30	18 28.77	-21 45.1	1.839	2.855	0.8	21.1
7 10	18 17.46	-20 23.7	1.105	2.105	6.8	20.4	7 10	18 18.75	-21 48.4	1.854	2.852	4.8	21.4
7 20	18 7.71	-21 1.6	1.123	2.085	12.2	20.7	7 20	18 9.85	-21 50.4	1.895	2.848	8.7	21.7
7 30	18 0.70	-21 38.6	1.162	2.066	17.2	20.9	7 30	18 2.90	-21 51.8	1.961	2.843	12.2	21.9
401052	2011 <i>UN</i> ₁₆		6 28.5	89°18	7°0/28.9	18	494437	2016 <i>UW</i> ₉₀		6 28.5	308°27	4°0/28.9	16
5 21	18 55.57	- 3 2.2	2.502	3.268	13.3	21.2	5 21	18 54.30	-12 31.4	2.188	2.997	13.6	21.9
5 31	18 50.83	- 1 51.9	2.438	3.287	11.2	21.1	5 31	18 50.35	-12 2.5	2.103	2.995	11.0	21.7
6 10	18 44.48	- 0 52.3	2.395	3.305	9.2	21.0	6 10	18 44.47	-11 40.8	2.039	2.993	8.1	21.5
6 20	18 37.02	- 0 6.3	2.377	3.324	7.6	20.9	6 20	18 37.15	-11 27.3	2.000	2.991	5.2	21.3
6 30	18 29.08	+ 0 24.0	2.386	3.342	7.0	20.9	6 30	18 29.10	-11 22.8	1.987	2.990	4.0	21.2
7 10	18 21.36	+ 0 37.9	2.420	3.360	7.8	21.0	7 10	18 21.16	-11 27.1	2.002	2.988	5.8	21.3
7 20	18 14.51	+ 0 36.4	2.481	3.378	9.5	21.1	7 20	18 14.13	-11 39.4	2.042	2.986	8.7	21.5
7 30	18 9.07	+ 0 21.4	2.564	3.395	11.3	21.3	7 30	18 8.70	-11 58.5	2.106	2.985	11.7	21.7
253781	2003 <i>WW</i> ₁₄₈		6 28.5	191°95	1°2/28.6	18	99821	2002 <i>LC</i> ₅₇		6 28.5	3°38	3°9/29.5	18
5 21	19 0.72	-19 35.8	1.913	2.731	15.0	21.7	5 21	18 53.23	-12 11.9	1.483	2.319	17.7	18.9
5 31	18 55.76	-19 37.9	1.827	2.730	11.8	21.5	5 31	18 50.48	-12 23.4	1.409	2.318	14.3	18.7
6 10	18 48.34	-19 44.5	1.762	2.728	8.1	21.3	6 10	18 45.08	-12 49.1	1.354	2.318	10.3	18.4
6 20	18 39.02	-19 54.6	1.721	2.726	4.0	21.0	6 20	18 37.60	-13 29.0	1.321	2.319	6.2	18.2
6 30	18 28.70	-20 6.6	1.707	2.723	1.3	20.8	6 30	18 29.01	-14 21.4	1.311	2.321	3.9	18.1
7 10	18 18.48	-20 19.3	1.721	2.719	5.2	21.1	7 10	18 20.56	-15 22.8	1.327	2.324	6.6	18.2
7 20	18 9.43	-20 32.0	1.762	2.715	9.2	21.3	7 20	18 13.40	-16 29.1	1.367	2.327	10.7	18.5
7 30	18 2.43	-20 44.6	1.826	2.710	12.9	21.5	7 30	18 8.49	-17 36.3	1.428	2.331	14.6	18.7
62580	2000 <i>SD</i> ₂₈₁		6 28.5	258°11	1°1/28.5	18	523119	2016 <i>SR</i> ₅₂		6 28.5	189°05	1°7/28.1	18
5 21	18 56.44	-21 2.5	2.300	3.117	12.8	19.4	5 21	18 56.86	-25 59.0	2.389	3.207	12.4	21.8
5 31	18 52.02	-20 41.2	2.205	3.108	10.1	19.2	5 31	18 52.42	-26 38.4	2.302	3.206	9.7	21.6
6 10	18 45.60	-20 21.1	2.132	3.099	6.9	19.0	6 10	18 45.93	-27 19.4	2.239	3.206	6.6	21.4
6 20	18 37.67	-20 2.0	2.084	3.089	3.4	18.8	6 20	18 37.87	-27 59.0	2.201	3.205	3.4	21.2
6 30	18 28.95	-19 43.7	2.064	3.079	1.3	18.6	6 30	18 28.97	-28 34.3	2.191	3.205	1.8	21.1
7 10	18 20.32	-19 26.5	2.072	3.070	4.5	18.8	7 10	18 20.13	-29 3.4	2.210	3.204	4.6	21.2
7 20	18 12.62	-19 11.0	2.108	3.060	8.0	19.0	7 20	18 12.21	-29 25.2	2.256	3.203	7.8	21.5
7 30	18 6.56	-18 57.7	2.167	3.050	11.2	19.2	7 30	18 5.94	-29 40.3	2.326	3.202	10.8	21.6
330363	2006 <i>VO</i> ₁₇₂		6 28.5	120°83	0°9/28.6	17	276654	2003 <i>UP</i> ₃₂₄		6 28.5	333°03	6°8/28.1	18
5 21	19 0.37	-20 4.8	1.784	2.608	15.7	21.7	5 21	18 55.62	-11 34.5	1.590	2.416	17.2	19.9
5 31	18 55.51	-20 10.8	1.713	2.620	12.3	21.5	5 31	18 52.11	-10 11.0	1.509	2.408	14.1	19.7
6 10	18 48.13	-20 21.4	1.662	2.631	8.4	21.3	6 10	18 46.05	- 8 53.7	1.448	2.400	10.8	19.5
6 20	18 38.88	-20 35.1	1.636	2.641	4.0	21.0	6 20	18 38.01	- 7 46.9	1.409	2.394	7.8	19.3
6 30	18 28.74	-20 50.2	1.636	2.652	1.1	20.9	6 30	18 28.95	- 6 54.6	1.394	2.387	6.9	19.2
7 10	18 18.88	-21 5.1	1.663	2.661	5.2	21.2	7 10	18 20.04	- 6 19.6	1.405	2.381	8.9	19.3
7 20	18 10.34	-21 19.2	1.716	2.671	9.3	21.4	7 20	18 12.37	- 6 2.5	1.438	2.376	12.2	19.5
7 30	18 3.98	-21 32.4	1.793	2.680	12.9	21.7	7 30	18 6.87	- 6 2.3	1.493	2.371	15.6	19.7
16633	1993 <i>OV</i> ₅		6 28.5	46°02	1°5/28.7	18	342851	2008 <i>YV</i>					

EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
500086	2011 <i>YO</i> ₄₃		6 28.5 227°76	1°0/28.5 17			255852	2006 <i>SS</i> ₁₅₁		6 28.5 211°22	0°2/28.5 17		
5 21	19 2.73	-26 21.7	1.579	2.411	17.0	21.5	5 21	18 59.88	-22 35.7	1.648	2.481	16.4	21.5
5 31	18 58.03	-26 14.1	1.494	2.406	13.4	21.3	5 31	18 55.57	-22 36.6	1.567	2.479	12.9	21.3
6 10	18 50.25	-26 4.9	1.428	2.399	9.2	21.0	6 10	18 48.47	-22 40.1	1.506	2.477	8.8	21.1
6 20	18 40.06	-25 51.5	1.386	2.393	4.4	20.7	6 20	18 39.21	-22 44.5	1.468	2.475	4.2	20.8
6 30	18 28.59	-25 32.3	1.370	2.386	1.3	20.5	6 30	18 28.81	-22 47.9	1.456	2.472	0.7	20.5
7 10	18 17.31	-25 6.9	1.380	2.379	6.0	20.8	7 10	18 18.58	-22 49.2	1.470	2.470	5.6	20.9
7 20	18 7.58	-24 37.3	1.415	2.371	10.7	21.0	7 20	18 9.74	-22 48.4	1.510	2.467	10.1	21.1
7 30	18 0.50	-24 6.3	1.472	2.363	15.0	21.2	7 30	18 3.27	-22 46.6	1.572	2.465	14.1	21.3
35805	1999 <i>JP</i> ₄₁		6 28.5 25°17	4°1/28.9 18			168123	2006 <i>FP</i> ₃₇		6 28.5 38°02	4°3/28.4 17		
5 21	18 55.81	-15 18.9	1.166	2.021	20.3	17.8	5 21	19 0.90	-31 16.3	1.122	1.981	20.7	19.1
5 31	18 53.05	-14 55.9	1.105	2.027	16.3	17.5	5 31	18 57.51	-31 36.6	1.069	1.993	16.4	18.8
6 10	18 47.05	-14 43.8	1.062	2.033	11.5	17.3	6 10	18 50.26	-31 51.5	1.033	2.006	11.5	18.6
6 20	18 38.56	-14 43.5	1.038	2.040	6.7	17.0	6 20	18 40.10	-31 55.6	1.017	2.020	6.5	18.4
6 30	18 28.87	-14 54.8	1.037	2.048	4.2	16.9	6 30	18 28.68	-31 44.6	1.024	2.035	4.4	18.3
7 10	18 19.53	-15 16.1	1.059	2.057	7.6	17.1	7 10	18 17.96	-31 18.3	1.054	2.050	7.9	18.5
7 20	18 11.96	-15 45.1	1.103	2.066	12.3	17.4	7 20	18 9.56	-30 40.4	1.106	2.066	12.6	18.8
7 30	18 7.21	-16 19.1	1.166	2.076	16.7	17.7	7 30	18 4.57	-29 56.2	1.177	2.082	16.9	19.1
247062	2000 <i>QN</i> ₁₁₅		6 28.5 299°27	0°2/28.5 18			101251	1998 <i>SE</i> ₉₂		6 28.5 324°22	2°7/28.3 18		
5 21	18 58.20	-23 36.3	1.345	2.195	18.4	21.1	5 21	18 58.39	-29 24.0	1.822	2.653	15.1	19.6
5 31	18 55.41	-23 33.4	1.242	2.164	14.8	20.8	5 31	18 54.31	-29 42.5	1.739	2.649	12.0	19.3
6 10	18 49.17	-23 32.7	1.156	2.132	10.3	20.4	6 10	18 47.57	-29 58.8	1.677	2.646	8.3	19.1
6 20	18 39.88	-23 32.1	1.092	2.100	5.0	20.0	6 20	18 38.76	-30 9.6	1.639	2.642	4.5	18.9
6 30	18 28.58	-23 29.2	1.052	2.068	0.9	19.6	6 30	18 28.90	-30 12.1	1.627	2.639	2.8	18.8
7 10	18 16.89	-23 22.4	1.035	2.036	7.0	19.9	7 10	18 19.20	-30 4.9	1.641	2.636	5.8	18.9
7 20	18 6.54	-23 12.1	1.041	2.005	12.8	20.2	7 20	18 10.83	-29 49.0	1.681	2.633	9.7	19.2
7 30	17 59.07	-23 0.1	1.067	1.973	18.1	20.4	7 30	18 4.72	-29 26.7	1.743	2.630	13.2	19.4
127292	2002 <i>JJ</i> ₇₈		6 28.5 112°17	1°5/28.7 18			338035	2002 <i>JL</i> ₅₃		6 28.5 350°25	11°6/25.5 16		
5 21	18 58.03	-19 30.9	1.890	2.714	14.9	20.0	5 21	18 52.45	-40 28.5	1.181	2.039	19.9	19.2
5 31	18 53.58	-19 21.5	1.814	2.720	11.7	19.8	5 31	18 51.93	-42 26.9	1.113	2.026	16.9	19.0
6 10	18 46.80	-19 16.1	1.758	2.726	8.0	19.6	6 10	18 47.32	-44 18.5	1.064	2.015	14.0	18.8
6 20	18 38.29	-19 14.0	1.727	2.732	4.0	19.3	6 20	18 39.14	-45 51.5	1.034	2.005	12.0	18.6
6 30	18 28.93	-19 14.5	1.723	2.738	1.6	19.2	6 30	18 28.79	-46 54.3	1.025	1.998	11.8	18.6
7 10	18 19.81	-19 17.0	1.745	2.743	5.1	19.4	7 10	18 18.46	-47 20.5	1.036	1.992	13.8	18.7
7 20	18 11.87	-19 21.0	1.794	2.748	9.0	19.7	7 20	18 10.29	-47 10.8	1.065	1.989	16.8	18.8
7 30	18 5.92	-19 26.7	1.866	2.754	12.5	19.9	7 30	18 5.96	-46 31.9	1.112	1.987	19.9	19.0
308120	2004 <i>XL</i> ₈₅		6 28.5 217°72	0°1/28.5 17			322982	2002 <i>NJ</i> ₅₂		6 28.5 321°75	0°2/28.5 17		
5 21	19 2.13	-22 56.2	1.794	2.617	15.6	21.6	5 21	18 54.51	-23 38.2	1.240	2.102	18.9	20.7
5 31	18 57.20	-22 59.8	1.703	2.610	12.4	21.4	5 31	18 52.50	-23 37.1	1.153	2.082	15.1	20.4
6 10	18 49.54	-23 5.7	1.633	2.602	8.4	21.1	6 10	18 47.09	-23 38.5	1.084	2.063	10.4	20.1
6 20	18 39.70	-23 11.8	1.587	2.593	4.0	20.8	6 20	18 38.83	-23 40.4	1.036	2.044	5.0	19.7
6 30	18 28.68	-23 16.2	1.567	2.584	0.7	20.6	6 30	18 28.87	-23 40.6	1.010	2.026	0.9	19.4
7 10	18 17.71	-23 17.7	1.575	2.574	5.4	20.9	7 10	18 18.84	-23 37.7	1.007	2.009	6.8	19.7
7 20	18 8.01	-23 16.3	1.609	2.563	9.9	21.1	7 20	18 10.38	-23 31.7	1.026	1.993	12.5	20.0
7 30	18 0.58	-23 13.0	1.666	2.552	13.8	21.3	7 30	18 4.86	-23 24.1	1.065	1.979	17.5	20.2
383236	2006 <i>BW</i> ₄₁		6 28.5 190°34	0°1/28.5 18			187842	1999 <i>VJ</i> ₂₂₅		6 28.5 233°35	4°2/29.1 18		
5 21	18 59.34	-23 5.8	2.217	3.032	13.3	21.9	5 21	18 53.59	- 8 23.4	3.011	3.791	11.0	21.5
5 31	18 54.42	-23 11.9	2.126	3.029	10.4	21.7	5 31	18 49.31	- 7 58.8	2.908	3.778	9.0	21.3
6 10	18 47.31	-23 19.7	2.058	3.026	7.1	21.5	6 10	18 43.57	- 7 41.4	2.829	3.764	6.9	21.2
6 20	18 38.54	-23 27.5	2.016	3.022	3.3	21.3	6 20	18 36.73	- 7 32.2	2.774	3.751	5.0	21.0
6 30	18 28.90	-23 33.8	2.001	3.017	0.6	21.0	6 30	18 29.29	- 7 32.1	2.748	3.737	4.2	20.9
7 10	18 19.36	-23 37.6	2.014	3.012	4.5	21.3	7 10	18 21.87	- 7 40.9	2.750	3.722	5.3	21.0
7 20	18 10.84	-23 38.8	2.055	3.007	8.2	21.5	7 20	18 15.03	- 7 58.0	2.779	3.707	7.4	21.1
7 30	18 4.11	-23 38.0	2.120	3.001	11.5	21.7	7 30	18 9.32	- 8 22.2	2.833	3.692	9.6	21.2
22062	2000 <i>AL</i> ₉₉		6 28.5 314°78	3°1/28.8 18 R			103273	2000 <i>AQ</i> ₃₂		6 28.5 99°13	1°5/28.3 18		
5 21	18 53.21	-15 23.0	2.023	2.845	14.1	18.0	5 21	19 2.11	-25 37.3	1.667	2.497	16.3	20.3
5 31	18 49.85	-15 4.7	1.926	2.829	11.3	17.8	5 31	18 57.15	-26 0.7	1.601	2.512	12.8	20.1
6 10	18 44.37	-14 52.5	1.851	2.813	8.1	17.5	6 10	18 49.40	-26 25.0	1.557	2.527	8.7	19.9
6 20	18 37.21	-14 47.1	1.799	2.798	4.8	17.3	6 20	18 39.58	-26 46.9	1.536	2.541	4.2	19.6
6 30	18 29.13	-14 48.7	1.774	2.783	3.1	17.2	6 30	18 28.81	-27 3.1	1.541	2.556	1.7	19.5
7 10	18 21.06	-14 56.9	1.774	2.768	5.5	17.3	7 10	18 18.40	-27 12.0	1.573	2.570	5.6	19.8
7 20	18 13.89	-15 10.9	1.801	2.754	9.1	17.5	7 20	18 9.53	-27 14.0	1.630	2.584	9.8	20.1
7 30	18 8.44	-15 29.9	1.851	2.740	12.5	17.7	7 30	18 3.11	-27 10.7	1.710	2.597	13.4	20.3
114495	2003 <i>AB</i> ₆₁		6 28.5 288°94	1°9/28.7 18			293311	2007 <i>DS</i> ₄₁		6 28.5 148°66	0°1/28.5 18		
5 21	18 56.40	-18 44.3	2.064	2.885	13.9	20.2	5 21	18 55.76	-22 10.5	2.504	3.319	12.0	21.4
5 31	18 52.46	-18 29.5	1.953	2.858	11.1	19.9	5 31	18 51.33	-22 22.1	2.420	3.322	9.3	21.2
6 10	18 46.24	-18 18.3	1.864	2.830	7.8	19.7	6 10	18 45.08	-22 35.9	2.359	3.326	6.3	21.1
6 20	18 38.16	-18 10.6	1.799	2.803	4.1	19.4	6 20	18 37.47	-22 50.5	2.323	3.329	3.0	20.8
6 30	18 28.96	-18 6.0	1.761	2.775	2.0	19.2	6 30	18 29.18	-23 4.6	2.316	3.332	0.5	20.6
7 10	18 19.64	-18 4.4	1.750	2.746	5.2	19.3	7 10	18 21.02	-23 17.1	2.337	3.335	4.0	20.9
7 20	18 11.19	-18 5.6	1.765	2.718	9.2	19.5	7 20	18 13.72	-23 27.6	2.386	3.338	7.2	21.1
7 30	18 4.52	-18 9.6	1.803	2.690	12.9	19.7	7 30	18 7.93	-23 36.1	2.459	3.341	10.1	21.3
518933	2010 <i>GW</i> ₉₂		6 28.5 250°38	2°8/27.9 18									

EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
380858	2006 <i>BY</i> ₁₃₀		6 28.5 167°45	1.3°/28.7	17		176535	2002 <i>AA</i> ₁₄		6 28.5 97°46	5°0'/30.3	18	
5 21	18 58.51	-19 4.5	2.140	2.954	13.7	22.1	5 21	18 55.63	-5 1.3	2.529	3.302	13.0	19.9
5 31	18 53.75	-19 4.1	2.057	2.958	10.8	21.9	5 31	18 50.98	-5 6.2	2.459	3.321	10.7	19.7
6 10	18 46.85	-19 7.9	1.995	2.961	7.4	21.7	6 10	18 44.70	-5 23.2	2.409	3.339	8.3	19.6
6 20	18 38.35	-19 15.2	1.959	2.963	3.7	21.5	6 20	18 37.26	-5 52.8	2.385	3.357	6.0	19.5
6 30	18 29.05	-19 24.7	1.950	2.965	1.4	21.3	6 30	18 29.28	-6 34.5	2.388	3.374	5.0	19.4
7 10	18 19.89	-19 35.7	1.969	2.967	4.7	21.5	7 10	18 21.47	-7 26.4	2.419	3.392	5.9	19.5
7 20	18 11.76	-19 47.3	2.016	2.968	8.3	21.8	7 20	18 14.49	-8 25.9	2.477	3.409	8.0	19.7
7 30	18 5.41	-19 59.5	2.086	2.969	11.6	22.0	7 30	18 8.89	-9 30.3	2.561	3.426	10.3	19.9
311931	2007 <i>CT</i> ₁₂		6 28.5 289°32	3°6'/28.3	18		57367	2001 <i>RM</i> ₄₃		6 28.5 233°43	3°2'/27.9	18	
5 21	18 58.72	-33 56.9	2.261	3.076	13.1	20.7	5 21	18 59.47	-32 21.9	2.720	3.525	11.4	20.1
5 31	18 54.14	-34 10.5	2.171	3.068	10.5	20.5	5 31	18 54.42	-32 56.0	2.619	3.511	9.1	19.9
6 10	18 47.24	-34 18.8	2.102	3.060	7.6	20.3	6 10	18 47.32	-33 27.8	2.540	3.497	6.5	19.7
6 20	18 38.57	-34 18.6	2.058	3.052	4.8	20.1	6 20	18 38.62	-33 53.9	2.488	3.483	4.1	19.6
6 30	18 29.01	-34 7.5	2.040	3.044	3.7	20.0	6 30	18 29.02	-34 11.5	2.464	3.468	3.2	19.5
7 10	18 19.60	-33 44.8	2.050	3.036	5.7	20.1	7 10	18 19.41	-34 19.0	2.469	3.452	5.1	19.6
7 20	18 11.33	-33 12.0	2.087	3.029	8.7	20.3	7 20	18 10.65	-34 16.5	2.501	3.436	7.8	19.7
7 30	18 5.01	-32 32.0	2.147	3.021	11.7	20.5	7 30	18 3.49	-34 5.5	2.559	3.419	10.4	19.9
134589	1999 <i>TB</i> ₉₄		6 28.5 273°34	1°3'/28.7	18		275550	1999 <i>CV</i> ₁₂		6 28.5 114°24	8°4'/30.5	17	
5 21	18 59.39	-19 40.3	1.667	2.497	16.3	21.0	5 21	18 56.94	-1 21.2	1.820	2.599	17.1	20.8
5 31	18 55.47	-19 42.0	1.564	2.474	13.1	20.7	5 31	18 52.70	-0 46.5	1.749	2.607	14.5	20.6
6 10	18 48.68	-19 49.4	1.481	2.451	9.1	20.4	6 10	18 46.23	-0 29.3	1.697	2.615	11.8	20.5
6 20	18 39.49	-20 1.3	1.421	2.427	4.5	20.1	6 20	18 38.09	-0 32.4	1.667	2.623	9.5	20.3
6 30	18 28.81	-20 16.2	1.387	2.403	1.4	19.8	6 30	18 29.13	-0 57.3	1.661	2.630	8.4	20.3
7 10	18 17.93	-20 32.4	1.379	2.378	5.9	20.0	7 10	18 20.36	-1 42.7	1.680	2.638	9.3	20.4
7 20	18 8.17	-20 48.9	1.396	2.353	10.8	20.3	7 20	18 12.71	-2 45.2	1.723	2.645	11.5	20.5
7 30	18 0.71	-21 5.3	1.435	2.328	15.2	20.5	7 30	18 6.95	-4 0.0	1.789	2.651	14.1	20.7
320152	2007 <i>FH</i> ₁₉		6 28.5 273°27	5°0'/27.8	18		16479	Paulze		6 28.5 215°70	4°0'/29.3	18	
5 21	18 59.13	-37 36.8	2.451	3.256	12.5	20.9	5 21	18 54.69	-10 15.9	2.458	3.253	12.7	18.9
5 31	18 54.48	-38 12.4	2.358	3.244	10.2	20.7	5 31	18 50.50	-10 3.7	2.367	3.249	10.4	18.7
6 10	18 47.50	-38 42.1	2.286	3.233	7.8	20.5	6 10	18 44.55	-10 0.1	2.297	3.244	7.7	18.5
6 20	18 38.72	-39 1.9	2.240	3.221	5.6	20.3	6 20	18 37.26	-10 5.8	2.253	3.239	5.2	18.3
6 30	18 28.98	-39 8.3	2.221	3.210	5.0	20.3	6 30	18 29.28	-10 20.9	2.235	3.234	4.0	18.3
7 10	18 19.31	-39 0.0	2.228	3.198	6.5	20.4	7 10	18 21.35	-10 44.8	2.245	3.229	5.5	18.3
7 20	18 10.71	-38 37.9	2.261	3.187	9.0	20.5	7 20	18 14.18	-11 16.1	2.283	3.223	8.1	18.5
7 30	18 4.03	-38 4.7	2.319	3.175	11.5	20.6	7 30	18 8.43	-11 52.9	2.344	3.217	10.8	18.7
165049	2000 <i>EO</i> ₄₂		6 28.5 49°96	8°6'/30.3	18		423969	2006 <i>UA</i> ₂₃₆		6 28.5 234°87	3°5'/28.8	17	
5 21	18 54.19	-0 56.3	1.909	2.689	16.4	19.8	5 21	18 58.86	-15 46.5	1.728	2.550	16.2	22.4
5 31	18 50.46	-0 11.2	1.839	2.695	14.0	19.7	5 31	18 54.60	-15 19.4	1.640	2.543	13.0	22.2
6 10	18 44.65	+0 17.6	1.788	2.702	11.5	19.5	6 10	18 47.77	-14 58.5	1.573	2.536	9.2	21.9
6 20	18 37.32	+0 26.8	1.759	2.709	9.5	19.4	6 20	18 38.92	-14 44.7	1.530	2.529	5.4	21.7
6 30	18 29.24	+0 14.5	1.753	2.716	8.6	19.4	6 30	18 28.99	-14 38.4	1.512	2.521	3.5	21.5
7 10	18 21.33	-0 18.4	1.772	2.724	9.4	19.4	7 10	18 19.14	-14 39.3	1.520	2.514	6.3	21.7
7 20	18 14.46	-1 9.4	1.815	2.731	11.4	19.6	7 20	18 10.49	-14 47.1	1.554	2.505	10.3	21.9
7 30	18 9.33	-2 14.1	1.881	2.739	13.7	19.7	7 30	18 3.98	-15 1.0	1.610	2.497	14.1	22.1
170433	2003 <i>UQ</i> ₁₁₂		6 28.5 187°10	4°0'/29.2	18		279843	2000 <i>UD</i> ₇₅		6 28.5 263°95	5°5'/26.9	18	
5 21	18 56.29	-11 39.1	2.207	3.009	13.8	20.6	5 21	19 2.01	-33 34.9	1.940	2.759	14.8	20.9
5 31	18 51.92	-11 21.0	2.122	3.009	11.1	20.4	5 31	18 57.56	-34 51.7	1.845	2.743	12.0	20.6
6 10	18 45.57	-11 11.1	2.057	3.009	8.2	20.2	6 10	18 50.14	-36 8.2	1.771	2.727	8.9	20.4
6 20	18 37.75	-11 10.4	2.018	3.008	5.3	20.1	6 20	18 40.22	-37 18.0	1.722	2.710	6.3	20.2
6 30	18 29.17	-11 19.0	2.005	3.007	4.0	20.0	6 30	18 28.74	-38 14.5	1.699	2.693	5.7	20.2
7 10	18 20.68	-11 36.2	2.019	3.005	5.8	20.1	7 10	18 17.05	-38 53.1	1.703	2.676	7.9	20.3
7 20	18 13.11	-12 0.9	2.060	3.003	8.7	20.3	7 20	18 6.52	-39 12.9	1.732	2.659	11.1	20.4
7 30	18 7.15	-12 31.3	2.125	3.001	11.7	20.4	7 30	17 58.38	-39 15.9	1.783	2.642	14.3	20.6
166032	2002 <i>BA</i> ₁₄		6 28.5 25°75	2°9'/28.5	17		167579	2004 <i>BF</i> ₇₃		6 28.5 277°29	4°9'/30.0	18	
5 21	18 59.51	-29 48.7	1.129	1.991	20.4	19.1	5 21	18 52.01	-5 8.7	2.801	3.577	11.8	19.9
5 31	18 56.41	-29 48.2	1.070	1.997	16.1	18.8	5 31	18 48.20	-5 4.6	2.709	3.572	9.8	19.8
6 10	18 49.54	-29 42.8	1.029	2.005	11.2	18.6	6 10	18 42.88	-5 11.3	2.639	3.567	7.7	19.6
6 20	18 39.83	-29 28.5	1.008	2.013	5.9	18.3	6 20	18 36.45	-5 29.5	2.593	3.563	5.7	19.5
6 30	18 28.81	-29 2.6	1.009	2.023	3.1	18.2	6 30	18 29.44	-5 59.6	2.574	3.558	4.9	19.4
7 10	18 18.40	-28 25.8	1.033	2.033	7.3	18.4	7 10	18 22.46	-6 40.3	2.583	3.553	5.7	19.5
7 20	18 10.19	-27 41.6	1.079	2.044	12.4	18.8	7 20	18 16.12	-7 30.0	2.619	3.548	7.7	19.6
7 30	18 5.29	-26 54.9	1.145	2.055	16.9	19.1	7 30	18 10.95	-8 26.2	2.680	3.544	9.9	19.7
478364	2011 <i>YW</i> ₂₄		6 28.5 188°96	0°4'/28.6	18		102585	1999 <i>UJ</i> ₄₈		6 28.5 226°32	1°0'/28.7	18	
5 21	18 55.07	-20 44.0	2.998	3.804	10.4	22.4	5 21	19 0.63	-19 57.6	1.956	2.773	14.7	20.7
5 31	18 50.51	-20 55.7	2.906	3.803	8.1	22.3	5 31	18 55.83	-20 0.6	1.860	2.763	11.7	20.5
6 10	18 44.40	-21 10.1	2.837	3.802	5.5	22.1	6 10	18 48.55	-20 7.9	1.785	2.752	8.0	20.2
6 20	18 37.14	-21 26.0	2.795	3.800	2.6	21.9	6 20	18 39.30	-20 18.4	1.735	2.740	4.0	19.9
6 30	18 29.28	-21 42.3	2.781	3.798	0.6	21.7	6 30	18 28.94	-20 30.6	1.712	2.728	1.2	19.7
7 10	18 21.49	-21 58.2	2.798	3.795	3.5	22.0	7 10	18 18.57	-20 43.1	1.716	2.714	5.1	20.0
7 20	18 14.38	-22 12.9	2.842	3.792	6.3	22.1	7 20	18 9.27	-20 55.3	1.747	2.701	9.3	20.2
7 30	18 8.51	-22 26.4	2.913	3.789	8.9	22.3	7 30	18 1.97	-21 7.0	1.802	2.686	13.0	20.4
11993	1995 <i>XX</i>		6 28.5 353°91	4°5'/27.7	18 R		422969	2003 <i>FF</i> ₁₃₂		6 28.5 46°74			

EPHEMERIDES

6 28.5

6 28.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
269115	2007 <i>JT</i> ₃₉		6 28.5 53°12	4.7/28.3	17		207795	2007 <i>TR</i> ₁₆₇		6 28.5 126°64	1.3/28.4	17	
5 21	19 2.46	-32 57.8	1.480	2.317	17.7	19.5	5 21	18 58.59	-26 33.7	2.042	2.866	14.0	20.5
5 31	18 57.86	-33 32.0	1.428	2.338	14.0	19.3	5 31	18 54.05	-26 40.9	1.962	2.869	11.0	20.3
6 10	18 50.06	-34 0.4	1.395	2.360	10.0	19.1	6 10	18 47.19	-26 47.4	1.903	2.871	7.5	20.1
6 20	18 39.94	-34 17.7	1.384	2.381	6.2	19.0	6 20	18 38.59	-26 51.0	1.868	2.874	3.7	19.9
6 30	18 28.86	-34 19.8	1.398	2.404	4.7	18.9	6 30	18 29.14	-26 49.9	1.861	2.876	1.4	19.7
7 10	18 18.40	-34 6.3	1.437	2.426	7.3	19.1	7 10	18 19.89	-26 43.3	1.881	2.879	4.9	20.0
7 20	18 9.85	-33 39.6	1.500	2.448	11.0	19.4	7 20	18 11.81	-26 31.9	1.928	2.881	8.6	20.2
7 30	18 4.16	-33 4.2	1.585	2.471	14.4	19.7	7 30	18 5.70	-26 17.1	1.998	2.883	11.9	20.4
35854	1999 <i>JZ</i> ₆₃		6 28.5 290°15	4.0/28.9	18		287065	2002 <i>RU</i> ₁₅		6 28.5 300°07	4.0/28.9	18	
5 21	18 55.88	-13 49.1	1.733	2.557	16.1	18.3	5 21	18 56.00	-15 25.7	1.451	2.290	17.9	20.7
5 31	18 52.39	-13 29.5	1.637	2.539	13.0	18.1	5 31	18 53.10	-15 0.1	1.354	2.267	14.5	20.5
6 10	18 46.39	-13 18.3	1.560	2.522	9.4	17.8	6 10	18 47.25	-14 42.2	1.277	2.244	10.5	20.2
6 20	18 38.34	-13 16.7	1.507	2.504	5.8	17.5	6 20	18 38.91	-14 33.5	1.221	2.222	6.2	19.8
6 30	18 29.10	-13 25.1	1.479	2.486	4.0	17.4	6 30	18 29.05	-14 34.6	1.189	2.199	4.0	19.7
7 10	18 19.80	-13 42.9	1.476	2.469	6.6	17.5	7 10	18 19.02	-14 45.4	1.181	2.177	7.3	19.8
7 20	18 11.55	-14 8.8	1.498	2.451	10.6	17.7	7 20	18 10.21	-15 4.8	1.196	2.155	12.0	20.0
7 30	18 5.33	-14 40.9	1.543	2.434	14.4	17.9	7 30	18 3.83	-15 31.3	1.233	2.134	16.6	20.2
431087	2006 <i>DM</i> ₉₄		6 28.5 74°05	1.8/28.8	17		61114	2000 <i>LJ</i> ₃₄		6 28.5 248°74	4.3/28.7	18	
5 21	18 58.80	-18 11.1	1.783	2.607	15.7	21.3	5 21	18 58.03	-13 52.6	1.932	2.744	15.1	19.4
5 31	18 54.18	-18 7.9	1.721	2.627	12.3	21.1	5 31	18 53.69	-13 10.0	1.838	2.733	12.2	19.1
6 10	18 47.20	-18 10.4	1.680	2.647	8.4	20.9	6 10	18 47.04	-12 33.1	1.765	2.722	8.9	18.9
6 20	18 38.53	-18 17.7	1.663	2.666	4.3	20.7	6 20	18 38.58	-12 3.4	1.717	2.710	5.7	18.7
6 30	18 29.12	-18 28.8	1.672	2.686	1.9	20.6	6 30	18 29.13	-11 42.5	1.694	2.698	4.3	18.6
7 10	18 20.06	-18 42.4	1.708	2.706	5.2	20.9	7 10	18 19.73	-11 31.1	1.698	2.685	6.5	18.7
7 20	18 12.33	-18 57.6	1.770	2.725	9.0	21.1	7 20	18 11.36	-11 29.2	1.728	2.673	10.0	18.9
7 30	18 6.67	-19 13.8	1.855	2.745	12.5	21.4	7 30	18 4.87	-11 36.1	1.781	2.660	13.4	19.1
85837	1998 <i>YM</i> ₂		6 28.5 218°39	2.4/28.4	18		380220	2001 <i>QT</i> ₃₃₀		6 28.5 274°50	0.1/28.6	18	
5 21	19 3.56	-28 39.1	1.562	2.395	17.1	19.1	5 21	18 59.92	-21 50.5	1.893	2.716	14.9	22.0
5 31	18 58.85	-28 48.6	1.479	2.390	13.6	18.8	5 31	18 55.67	-22 7.1	1.781	2.688	11.9	21.7
6 10	18 50.95	-28 55.8	1.416	2.386	9.4	18.6	6 10	18 48.75	-22 28.4	1.690	2.659	8.2	21.4
6 20	18 40.52	-28 56.9	1.376	2.380	4.9	18.3	6 20	18 39.56	-22 52.5	1.624	2.630	3.9	21.1
6 30	18 28.76	-28 48.8	1.361	2.375	2.5	18.1	6 30	18 28.94	-23 16.7	1.584	2.600	0.7	20.8
7 10	18 17.19	-28 30.4	1.373	2.369	6.4	18.4	7 10	18 18.04	-23 38.8	1.571	2.570	5.4	21.1
7 20	18 7.25	-28 3.5	1.409	2.363	11.0	18.6	7 20	18 8.09	-23 57.7	1.585	2.539	10.0	21.3
7 30	18 0.05	-27 31.4	1.467	2.357	15.1	18.8	7 30	18 0.21	-24 13.1	1.622	2.508	14.1	21.4
304715	2006 <i>XG</i> ₅		6 28.5 136°69	0.1/28.5	18		306276	2011 <i>SE</i> ₈		6 28.5 274°96	6.1/29.0	18	
5 21	18 56.95	-21 0.0	2.718	3.525	11.3	20.8	5 21	18 54.68	-7 32.6	2.128	2.923	14.4	21.2
5 31	18 52.13	-21 37.2	2.636	3.534	8.8	20.6	5 31	18 50.83	-6 47.3	2.034	2.911	12.0	21.0
6 10	18 45.59	-22 18.1	2.578	3.543	6.0	20.5	6 10	18 44.98	-6 11.6	1.961	2.898	9.4	20.8
6 20	18 37.75	-23 0.8	2.546	3.552	2.8	20.3	6 20	18 37.57	-5 47.8	1.911	2.886	7.0	20.6
6 30	18 29.26	-23 43.0	2.544	3.560	0.5	20.1	6 30	18 29.31	-5 37.9	1.888	2.873	6.2	20.5
7 10	18 20.85	-24 22.7	2.571	3.568	3.7	20.4	7 10	18 21.07	-5 42.4	1.890	2.860	7.5	20.6
7 20	18 13.23	-24 58.7	2.627	3.576	6.8	20.6	7 20	18 13.68	-6 0.4	1.917	2.847	10.0	20.7
7 30	18 7.01	-25 30.4	2.708	3.583	9.5	20.8	7 30	18 7.89	-6 30.1	1.968	2.835	12.8	20.9
337174	1999 <i>VD</i> ₄₇		6 28.5 247°77	5.7/26.9	18		314063	2005 <i>AU</i> ₇₆		6 28.5 48°25	1.9/28.3	17	
5 21	19 3.28	-36 49.6	2.298	3.101	13.3	21.5	5 21	19 0.19	-25 30.5	1.233	2.087	19.5	20.7
5 31	18 58.15	-37 56.8	2.198	3.083	10.9	21.3	5 31	18 56.54	-25 59.6	1.178	2.101	15.3	20.5
6 10	18 50.32	-39 0.8	2.121	3.066	8.4	21.1	6 10	18 49.46	-26 30.8	1.141	2.117	10.4	20.3
6 20	18 40.24	-39 55.9	2.068	3.047	6.3	21.0	6 20	18 39.79	-26 59.5	1.125	2.132	5.1	20.0
6 30	18 28.80	-40 36.7	2.043	3.028	5.8	20.9	6 30	18 28.95	-27 21.4	1.133	2.148	2.1	19.9
7 10	18 17.18	-40 59.7	2.045	3.009	7.5	21.0	7 10	18 18.61	-27 34.2	1.165	2.165	6.7	20.2
7 20	18 6.61	-41 4.8	2.073	2.989	10.1	21.1	7 20	18 10.25	-27 38.0	1.220	2.182	11.6	20.5
7 30	17 58.17	-40 54.4	2.124	2.968	12.9	21.3	7 30	18 4.92	-27 35.2	1.296	2.199	15.8	20.8
462625	2009 <i>QZ</i> ₁₉		6 28.5 348°90	0.1/28.6	17		47386	1999 <i>XX</i> ₁₀₁		6 28.5 43°45	1.3/28.5	18	
5 21	18 51.56	-23 32.2	1.092	1.966	20.0	20.3	5 21	18 58.82	-27 9.2	1.732	2.566	15.6	17.4
5 31	18 50.38	-23 26.6	1.020	1.956	15.9	20.0	5 31	18 54.55	-27 5.1	1.661	2.574	12.3	17.2
6 10	18 45.72	-23 23.4	0.966	1.947	10.9	19.7	6 10	18 47.65	-26 59.1	1.611	2.582	8.4	17.0
6 20	18 38.21	-23 20.9	0.931	1.940	5.2	19.3	6 20	18 38.83	-26 49.0	1.584	2.590	4.1	16.7
6 30	18 29.17	-23 17.4	0.917	1.934	0.9	19.0	6 30	18 29.12	-26 33.5	1.584	2.599	1.5	16.6
7 10	18 20.30	-23 11.8	0.926	1.929	6.9	19.4	7 10	18 19.76	-26 12.6	1.609	2.608	5.3	16.9
7 20	18 13.24	-23 4.4	0.955	1.927	12.6	19.7	7 20	18 11.82	-25 47.5	1.660	2.617	9.4	17.1
7 30	18 9.24	-22 56.5	1.003	1.926	17.6	20.0	7 30	18 6.17	-25 20.6	1.734	2.626	13.0	17.4
330870	2009 <i>QT</i> ₆₁		6 28.5 290°89	1.1/28.4	17		312902	2011 <i>UL</i> ₃₀₀		6 28.6 182°26	3.1/28.9	18	
5 21	18 58.33	-24 23.6	1.576	2.416	16.7	21.1	5 21	18 55.02	-13 47.0	2.630	3.430	11.9	21.1
5 31	18 54.90	-24 41.6	1.479	2.395	13.2	20.8	5 31	18 50.61	-13 23.6	2.542	3.430	9.5	20.9
6 10	18 48.44	-25 2.9	1.402	2.375	9.1	20.5	6 10	18 44.55	-13 5.5	2.477	3.430	6.9	20.8
6 20	18 39.46	-25 24.4	1.347	2.354	4.4	20.2	6 20	18 37.28	-12 53.3	2.437	3.430	4.3	20.6
6 30	18 28.95	-25 43.0	1.317	2.333	1.3	19.9	6 30	18 29.40	-12 47.5	2.425	3.430	3.1	20.5
7 10	18 18.28	-25 56.1	1.313	2.313	6.1	20.2	7 10	18 21.63	-12 47.8	2.441	3.429	4.8	20.6
7 20	18 8.89	-26 3.0	1.333	2.292	11.0	20.4	7 20	18 14.63	-12 54.0	2.485	3.428	7.4	20.8
7 30	18 1.98	-26 4.8	1.375	2.272	15.5	20.6	7 30	18 8.98	-13 5.1	2.554	3.427	10.1	21.0
17759	Hatta		6 28.5 92°69	6.6/29.6	18		293834	2007 <i>RM</i> ₂₀₆ </					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
64352	2001 <i>UX</i> ₈₃		6 28.6 184°93	5°5/27.1	18		471941	2013 <i>RJ</i> ₂₈		6 28.6 321°39	2°1/28.8	17	
5 21	19 4.17	-34 37.4	2.068	2.878	14.3	19.7	5 21	18 53.38	-18 45.1	1.260	2.118	18.9	21.1
5 31	18 58.93	-35 55.5	1.986	2.878	11.6	19.5	5 31	18 51.52	-18 38.4	1.170	2.096	15.2	20.8
6 10	18 50.86	-37 11.2	1.927	2.878	8.7	19.3	6 10	18 46.45	-18 39.2	1.099	2.075	10.6	20.5
6 20	18 40.50	-38 18.3	1.892	2.877	6.2	19.2	6 20	18 38.64	-18 47.5	1.048	2.055	5.5	20.1
6 30	18 28.84	-39 10.7	1.885	2.876	5.6	19.1	6 30	18 29.16	-19 2.2	1.020	2.035	2.2	19.8
7 10	18 17.17	-39 44.8	1.905	2.874	7.5	19.2	7 10	18 19.53	-19 21.6	1.014	2.016	7.0	20.1
7 20	18 6.75	-40 0.4	1.951	2.872	10.4	19.4	7 20	18 11.31	-19 44.2	1.031	1.998	12.4	20.3
7 30	17 58.66	-40 0.2	2.019	2.869	13.2	19.6	7 30	18 5.86	-20 8.6	1.067	1.982	17.4	20.5
472965	2015 <i>GE</i> ₃₉		6 28.6 301°76	0°7/28.4	18		347911	2002 <i>XA</i> ₁₂₁		6 28.6 269°66	0°9/28.7	18	
5 21	18 56.79	-21 50.7	1.623	2.462	16.3	20.5	5 21	18 56.50	-20 0.8	2.154	2.973	13.5	21.5
5 31	18 53.65	-22 28.5	1.522	2.438	13.0	20.2	5 31	18 52.43	-20 7.0	2.053	2.958	10.7	21.3
6 10	18 47.62	-23 14.0	1.441	2.414	8.9	19.9	6 10	18 46.18	-20 17.3	1.975	2.942	7.3	21.1
6 20	18 39.12	-24 4.4	1.383	2.390	4.3	19.6	6 20	18 38.21	-20 30.8	1.922	2.927	3.6	20.8
6 30	18 29.06	-24 55.8	1.350	2.366	1.1	19.3	6 30	18 29.27	-20 46.2	1.895	2.911	1.0	20.6
7 10	18 18.72	-25 44.1	1.343	2.342	6.0	19.6	7 10	18 20.29	-21 2.1	1.897	2.895	4.7	20.8
7 20	18 9.48	-26 26.3	1.360	2.319	10.9	19.8	7 20	18 12.20	-21 17.7	1.924	2.879	8.5	21.0
7 30	18 2.58	-27 1.6	1.400	2.296	15.3	20.0	7 30	18 5.85	-21 32.7	1.977	2.863	11.9	21.2
386827	2010 <i>GQ</i> ₁₄₀		6 28.6 356°40	2°2/28.8	17		207872	2007 <i>VX</i> ₂₄₃		6 28.6 300°08	2°2/28.3	18	
5 21	18 56.39	-18 2.6	1.905	2.730	14.8	21.3	5 21	18 57.53	-27 55.1	1.893	2.724	14.6	20.7
5 31	18 52.39	-17 46.6	1.823	2.729	11.7	21.1	5 31	18 53.67	-28 15.5	1.803	2.713	11.6	20.5
6 10	18 46.12	-17 35.2	1.762	2.729	8.1	20.9	6 10	18 47.23	-28 35.4	1.733	2.702	8.0	20.2
6 20	18 38.13	-17 28.5	1.726	2.729	4.3	20.6	6 20	18 38.77	-28 51.7	1.687	2.691	4.2	20.0
6 30	18 29.27	-17 26.2	1.715	2.729	2.2	20.5	6 30	18 29.18	-29 1.5	1.667	2.680	2.3	19.8
7 10	18 20.57	-17 27.9	1.732	2.728	5.3	20.7	7 10	18 19.65	-29 3.2	1.674	2.670	5.6	20.0
7 20	18 12.97	-17 33.1	1.774	2.729	9.1	20.9	7 20	18 11.29	-28 57.0	1.706	2.660	9.5	20.2
7 30	18 7.28	-17 41.4	1.839	2.729	12.5	21.1	7 30	18 5.06	-28 44.6	1.762	2.650	13.1	20.4
198447	2004 <i>XB</i> ₄		6 28.6 260°07	3°2/28.1	18		478347	2011 <i>WX</i> ₁₃₆		6 28.6 174°92	3°3/27.7	18	
5 21	19 0.27	-30 7.7	1.985	2.808	14.4	20.5	5 21	18 58.48	-32 2.0	2.682	3.490	11.5	22.1
5 31	18 55.83	-30 40.2	1.889	2.793	11.5	20.3	5 31	18 53.63	-32 47.6	2.597	3.491	9.1	21.9
6 10	18 48.73	-31 11.4	1.814	2.779	8.1	20.1	6 10	18 46.78	-33 31.1	2.535	3.492	6.5	21.7
6 20	18 39.49	-31 37.5	1.764	2.764	4.7	19.8	6 20	18 38.43	-34 9.2	2.499	3.493	4.1	21.6
6 30	18 29.03	-31 54.6	1.740	2.748	3.3	19.7	6 30	18 29.27	-34 38.7	2.492	3.494	3.3	21.5
7 10	18 18.54	-32 0.5	1.742	2.733	6.0	19.9	7 10	18 20.17	-34 57.9	2.513	3.494	5.1	21.6
7 20	18 9.20	-31 55.4	1.771	2.717	9.7	20.0	7 20	18 11.96	-35 6.7	2.561	3.494	7.7	21.8
7 30	18 2.03	-31 41.4	1.823	2.701	13.2	20.2	7 30	18 5.36	-35 6.4	2.634	3.494	10.2	22.0
166444	2002 <i>PJ</i> ₅₄		6 28.6 216°97	6°2/30.6	18		254295	2004 <i>RJ</i> ₂₆₇		6 28.6 285°69	0°2/28.6	18	
5 21	18 57.07	-0 53.4	2.644	3.393	13.0	20.5	5 21	18 55.43	-22 44.7	2.327	3.147	12.6	21.0
5 31	18 52.26	-0 52.2	2.545	3.385	11.1	20.4	5 31	18 51.34	-22 44.4	2.236	3.142	9.9	20.8
6 10	18 45.74	-1 5.1	2.467	3.375	9.0	20.2	6 10	18 45.27	-22 45.5	2.168	3.136	6.7	20.6
6 20	18 37.90	-1 33.4	2.413	3.365	7.1	20.1	6 20	18 37.72	-22 47.0	2.125	3.131	3.2	20.3
6 30	18 29.32	-2 17.6	2.386	3.355	6.2	20.0	6 30	18 29.39	-22 47.9	2.109	3.125	0.5	20.1
7 10	18 20.73	-3 16.3	2.387	3.344	7.0	20.0	7 10	18 21.16	-22 47.5	2.121	3.120	4.2	20.4
7 20	18 12.82	-4 26.9	2.415	3.332	8.8	20.1	7 20	18 13.83	-22 45.7	2.160	3.115	7.7	20.6
7 30	18 6.22	-5 46.0	2.469	3.320	11.1	20.3	7 30	18 8.11	-22 43.0	2.224	3.109	10.8	20.8
270333	2001 <i>XT</i> ₁₆₉		6 28.6 311°37	3°3/28.3	18		50023	2000 <i>AY</i> ₃₇		6 28.6 13°52	1°3/28.5	18	R
5 21	18 57.06	-19 55.6	1.466	2.309	17.5	19.0	5 21	18 57.46	-25 48.3	1.284	2.140	18.8	18.2
5 31	18 53.90	-18 55.9	1.369	2.286	14.1	18.7	5 31	18 54.45	-25 54.2	1.217	2.142	14.8	17.9
6 10	18 47.74	-17 55.1	1.291	2.262	9.9	18.4	6 10	18 48.14	-26 0.4	1.168	2.144	10.1	17.6
6 20	18 39.13	-16 54.8	1.236	2.240	5.5	18.1	6 20	18 39.27	-26 4.1	1.141	2.148	4.9	17.4
6 30	18 29.09	-15 57.3	1.205	2.217	3.4	17.9	6 30	18 29.13	-26 2.5	1.136	2.152	1.6	17.1
7 10	18 19.00	-15 5.6	1.199	2.195	7.2	18.0	7 10	18 19.33	-25 54.6	1.156	2.157	6.5	17.5
7 20	18 10.24	-14 22.4	1.217	2.174	12.0	18.2	7 20	18 11.32	-25 41.4	1.199	2.163	11.5	17.8
7 30	18 3.98	-13 49.9	1.255	2.153	16.5	18.4	7 30	18 6.18	-25 25.1	1.262	2.169	15.8	18.0
99163	2001 <i>FO</i> ₁₄₀		6 28.6 171°61	0°5/28.7	18	R	467829	2010 <i>PL</i> ₆₁		6 28.6 277°84	2°9/28.9	17	
5 21	18 58.27	-20 19.6	2.231	3.045	13.2	20.4	5 21	18 58.15	-16 29.9	1.488	2.323	17.7	21.5
5 31	18 53.57	-20 35.2	2.146	3.047	10.4	20.2	5 31	18 54.67	-16 20.9	1.399	2.310	14.2	21.3
6 10	18 46.79	-20 54.9	2.083	3.049	7.1	20.0	6 10	18 48.23	-16 20.3	1.328	2.296	10.1	21.0
6 20	18 38.42	-21 17.3	2.046	3.051	3.4	19.8	6 20	18 39.38	-16 28.2	1.280	2.283	5.5	20.7
6 30	18 29.23	-21 40.5	2.036	3.052	0.8	19.6	6 30	18 29.12	-16 44.0	1.256	2.269	3.0	20.5
7 10	18 20.15	-22 2.9	2.055	3.053	4.4	19.9	7 10	18 18.81	-17 6.0	1.257	2.255	6.6	20.7
7 20	18 12.04	-22 23.6	2.101	3.054	8.0	20.1	7 20	18 9.79	-17 32.8	1.283	2.242	11.4	20.9
7 30	18 5.65	-22 42.3	2.172	3.054	11.2	20.3	7 30	18 3.23	-18 2.7	1.329	2.228	15.8	21.1
471640	2012 <i>TP</i> ₆₇		6 28.6 272°81	1°2/28.6	16		476386	2008 <i>CX</i> ₇₆		6 28.6 46°70	9°1/29.1	16	
5 21	18 57.39	-20 46.2	1.928	2.753	14.6	21.7	5 21	19 8.27	-49 0.0	2.010	2.786	15.8	20.4
5 31	18 53.24	-20 31.0	1.840	2.748	11.5	21.5	5 31	19 2.33	-49 35.2	1.947	2.797	13.6	20.3
6 10	18 46.74	-20 18.2	1.774	2.743	7.9	21.3	6 10	18 53.07	-49 54.6	1.903	2.808	11.4	20.1
6 20	18 38.45	-20 7.5	1.732	2.738	3.9	21.0	6 20	18 41.43	-49 51.9	1.881	2.820	9.7	20.1
6 30	18 29.23	-19 58.1	1.717	2.732	1.3	20.8	6 30	18 28.84	-49 22.8	1.883	2.831	9.1	20.0
7 10	18 20.13	-19 50.0	1.729	2.727	5.0	21.1	7 10	18 16.95	-48 27.7	1.910	2.843	9.9	20.1
7 20	18 12.15	-19 43.3	1.766	2.722	9.0	21.3	7 20	18 7.14	-47 11.1	1.961	2.855	11.7	20.3
7 30	18 6.12	-19 38.6	1.828	2.717	12.6	21.5	7 30	18 0.32	-45 40.0	2.034	2.867	13.8	20.4
74991	1999 <i>TD</i> ₂₆₉		6 28.6 180°09	1°7/28.6	18		174549						

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
34608	2000 <i>UW</i> ₇		6 28.6 330°21	4.3/27.6	18		523144	2016 <i>SA</i> ₅₅		6 28.6 230°49	1.4/28.9	18	
5 21	18 57.72	-32 28.8	2.041	2.865	14.0	18.7	5 21	18 56.11	-16 35.9	2.422	3.230	12.5	21.8
5 31	18 53.77	-33 21.6	1.957	2.860	11.2	18.5	5 31	18 51.81	-17 1.0	2.327	3.224	9.9	21.6
6 10	18 47.29	-34 12.5	1.895	2.855	8.1	18.3	6 10	18 45.61	-17 33.1	2.256	3.218	6.9	21.4
6 20	18 38.82	-34 56.6	1.857	2.851	5.3	18.2	6 20	18 37.93	-18 11.1	2.209	3.212	3.6	21.2
6 30	18 29.24	-35 29.7	1.845	2.847	4.4	18.1	6 30	18 29.45	-18 53.1	2.191	3.206	1.5	21.0
7 10	18 19.72	-35 49.2	1.860	2.843	6.5	18.2	7 10	18 20.96	-19 37.0	2.202	3.199	4.3	21.2
7 20	18 11.35	-35 55.0	1.901	2.839	9.6	18.4	7 20	18 13.25	-20 20.9	2.240	3.192	7.6	21.4
7 30	18 5.08	-35 49.0	1.964	2.835	12.7	18.6	7 30	18 7.04	-21 3.5	2.303	3.185	10.7	21.6
441950	2010 <i>LG</i> ₃₅		6 28.6 312°62	21.7/6.5	17		124044	2001 <i>FB</i> ₁₄₁		6 28.6 31°92	6.2/29.2	17	
5 21	18 54.15	+15 6.4	0.973	1.745	29.1	20.3	5 21	18 54.96	-11 4.1	1.406	2.240	18.6	18.5
5 31	18 52.70	+16 27.0	0.907	1.731	27.3	20.1	5 31	18 51.72	-10 13.6	1.351	2.256	15.1	18.4
6 10	18 47.60	+17 5.7	0.851	1.718	25.3	19.9	6 10	18 45.85	-9 35.1	1.315	2.272	11.2	18.2
6 20	18 39.35	+16 48.4	0.806	1.705	23.3	19.7	6 20	18 38.07	-9 11.5	1.300	2.289	7.7	18.0
6 30	18 29.13	+15 23.5	0.775	1.693	22.0	19.6	6 30	18 29.46	-9 4.1	1.308	2.308	6.2	18.0
7 10	18 18.71	+12 48.3	0.758	1.681	21.8	19.5	7 10	18 21.26	-9 12.5	1.341	2.326	8.1	18.1
7 20	18 9.89	+9 11.3	0.759	1.670	23.0	19.5	7 20	18 14.54	-9 34.6	1.396	2.346	11.5	18.4
7 30	18 4.26	+4 51.0	0.776	1.660	25.3	19.6	7 30	18 10.10	-10 7.3	1.473	2.366	14.8	18.6
499383	2010 <i>AB</i> ₇₄		6 28.6 193°14	1.5/28.3	17		225909	2002 <i>AM</i> ₅₁		6 28.6 87°23	1.1/28.7	17	
5 21	19 1.04	-26 33.5	2.551	3.357	12.0	22.9	5 21	19 0.37	-19 54.9	1.821	2.643	15.5	21.1
5 31	18 55.61	-26 59.1	2.457	3.354	9.4	22.7	5 31	18 55.43	-19 57.4	1.758	2.664	12.1	20.9
6 10	18 48.14	-27 24.9	2.387	3.351	6.5	22.5	6 10	18 48.11	-20 4.3	1.716	2.684	8.2	20.7
6 20	18 39.10	-27 48.5	2.344	3.347	3.3	22.3	6 20	18 39.08	-20 14.2	1.699	2.704	4.0	20.5
6 30	18 29.23	-28 7.3	2.329	3.343	1.6	22.2	6 30	18 29.30	-20 25.7	1.708	2.724	1.2	20.3
7 10	18 19.40	-28 20.1	2.343	3.337	4.4	22.4	7 10	18 19.88	-20 37.5	1.745	2.744	5.0	20.6
7 20	18 10.48	-28 26.5	2.386	3.331	7.6	22.5	7 20	18 11.79	-20 49.0	1.808	2.763	8.9	20.9
7 30	18 3.21	-28 27.4	2.453	3.324	10.5	22.7	7 30	18 5.80	-21 0.2	1.894	2.782	12.3	21.1
16832	1997 <i>WR</i> ₂₁		6 28.6 264°28	0°1/28.6	18		509095	2005 <i>UU</i> ₄₀₆		6 28.6 169°89	5.3/29.5	18	
5 21	19 1.41	-23 48.0	1.582	2.415	16.9	18.8	5 21	18 53.99	-4 40.0	2.937	3.703	11.5	22.5
5 31	18 57.22	-23 38.0	1.486	2.398	13.4	18.5	5 31	18 49.62	-4 7.3	2.852	3.706	9.6	22.4
6 10	18 49.98	-23 28.6	1.410	2.381	9.2	18.2	6 10	18 43.83	-3 43.8	2.789	3.709	7.7	22.2
6 20	18 40.23	-23 18.2	1.357	2.364	4.4	17.9	6 20	18 37.00	-3 30.9	2.751	3.711	6.0	22.1
6 30	18 29.02	-23 5.0	1.330	2.346	0.8	17.6	6 30	18 29.65	-3 29.7	2.740	3.713	5.3	22.1
7 10	18 17.78	-22 48.6	1.328	2.328	6.0	17.9	7 10	18 22.39	-3 40.0	2.757	3.715	6.1	22.1
7 20	18 7.90	-22 30.1	1.351	2.310	11.0	18.2	7 20	18 15.79	-4 0.8	2.801	3.716	7.8	22.2
7 30	18 0.56	-22 11.3	1.396	2.291	15.4	18.4	7 30	18 10.34	-4 30.5	2.869	3.717	9.8	22.4
337996	2002 <i>EE</i> ₁₁		6 28.6 24°95	10°6/28.1	17		53120	1999 <i>AE</i> ₂₁		6 28.6 259°38	2°8/29.3	18	
5 21	19 1.96	-43 50.6	1.332	2.162	19.6	19.5	5 21	18 59.42	-13 31.1	1.974	2.781	15.0	19.3
5 31	18 58.74	-45 7.8	1.282	2.173	16.6	19.3	5 31	18 55.03	-13 48.9	1.867	2.760	12.1	19.1
6 10	18 51.41	-46 10.3	1.249	2.186	13.6	19.2	6 10	18 48.20	-14 17.8	1.780	2.739	8.7	18.8
6 20	18 40.91	-46 48.5	1.236	2.199	11.3	19.1	6 20	18 39.35	-14 57.4	1.718	2.716	5.0	18.6
6 30	18 28.94	-46 55.3	1.245	2.214	10.7	19.1	6 30	18 29.23	-15 46.2	1.682	2.693	2.9	18.4
7 10	18 17.64	-46 29.6	1.276	2.229	12.0	19.2	7 10	18 18.89	-16 41.6	1.675	2.670	5.6	18.5
7 20	18 8.80	-45 36.3	1.327	2.246	14.5	19.4	7 20	18 9.40	-17 40.6	1.694	2.646	9.6	18.7
7 30	18 3.60	-44 23.8	1.398	2.263	17.2	19.6	7 30	18 1.77	-18 40.6	1.737	2.621	13.4	18.9
509148	2006 <i>BR</i> ₁₁₇		6 28.6 218°69	1°8/28.4	17		353306	2010 <i>JW</i> ₅₈		6 28.6 339°32	1°3/28.8	18	
5 21	19 1.34	-27 41.9	2.278	3.090	13.1	23.4	5 21	19 0.70	-30 16.4	1.787	2.615	15.5	19.7
5 31	18 56.17	-27 59.0	2.181	3.081	10.3	23.2	5 31	18 56.11	-29 32.5	1.698	2.607	12.3	19.5
6 10	18 48.70	-28 15.3	2.107	3.071	7.1	23.0	6 10	18 48.81	-28 40.7	1.631	2.600	8.5	19.2
6 20	18 39.43	-28 28.1	2.058	3.061	3.7	22.7	6 20	18 39.50	-27 39.7	1.587	2.592	4.2	19.0
6 30	18 29.19	-28 34.9	2.037	3.050	1.9	22.6	6 30	18 29.24	-26 29.9	1.571	2.586	1.5	18.7
7 10	18 18.98	-28 34.6	2.044	3.038	4.9	22.8	7 10	18 19.29	-25 13.7	1.581	2.580	5.3	19.0
7 20	18 9.79	-28 27.3	2.078	3.026	8.4	23.0	7 20	18 10.80	-23 55.4	1.618	2.575	9.6	19.2
7 30	18 2.46	-28 14.7	2.138	3.013	11.6	23.2	7 30	18 4.63	-22 39.4	1.678	2.570	13.4	19.5
146257	2000 <i>YM</i> ₁₃₅		6 28.6 144°15	4°6/27.7	18		512143	2015 <i>PY</i> ₁₁₅		6 28.6 231°66	0°9/28.5	18	
5 21	19 0.78	-39 5.3	3.024	3.812	10.7	20.8	5 21	18 56.37	-25 5.9	2.419	3.237	12.2	22.0
5 31	18 55.25	-39 48.7	2.948	3.822	8.8	20.7	5 31	18 52.06	-25 21.0	2.329	3.233	9.6	22.0
6 10	18 47.79	-40 25.9	2.896	3.832	6.8	20.5	6 10	18 45.79	-25 36.8	2.262	3.230	6.5	21.8
6 20	18 38.89	-40 53.7	2.869	3.841	5.1	20.4	6 20	18 38.02	-25 51.5	2.220	3.226	3.2	21.6
6 30	18 29.29	-41 9.1	2.870	3.850	4.7	20.4	6 30	18 29.48	-26 3.3	2.207	3.222	1.0	21.4
7 10	18 19.85	-41 11.2	2.900	3.858	5.8	20.5	7 10	18 21.02	-26 11.0	2.221	3.218	4.2	21.6
7 20	18 11.36	-41 0.7	2.956	3.866	7.6	20.6	7 20	18 13.45	-26 14.6	2.262	3.214	7.6	21.9
7 30	18 4.50	-40 39.8	3.037	3.874	9.6	20.8	7 30	18 7.48	-26 14.6	2.328	3.210	10.6	22.0
87524	2000 <i>QQ</i> ₁₉₇		6 28.6 11°65	9°0/30.8	18		348174	2004 <i>NO</i> ₇		6 28.6 339°36	8°2/30.3	18	
5 21	18 53.62	-2 49.4	1.412	2.225	19.6	19.0	5 21	18 49.83	-3 55.9	1.610	2.423	17.6	19.6
5 31	18 50.86	-2 18.7	1.345	2.226	16.6	18.8	5 31	18 47.80	-3 26.5	1.521	2.404	14.9	19.3
6 10	18 45.44	-2 8.8	1.294	2.229	13.4	18.6	6 10	18 43.38	-3 14.3	1.450	2.387	12.0	19.1
6 20	18 37.97	-2 23.3	1.263	2.232	10.4	18.4	6 20	18 37.06	-3 23.1	1.400	2.371	9.4	18.9
6 30	18 29.44	-3 3.7	1.254	2.236	9.0	18.3	6 30	18 29.62	-3 55.0	1.373	2.356	8.2	18.8
7 10	18 21.08	-4 7.8	1.269	2.241	10.1	18.4	7 10	18 22.15	-4 49.1	1.369	2.343	9.4	18.9
7 20	18 14.04	-5 30.4	1.305	2.247	12.8	18.6	7 20	18 15.68	-6 1.9	1.388	2.330	12.1	19.0
7 30	18 9.27	-7 4.9	1.363	2.253	16.0	18.8	7 30	18 11.17	-7 28.1	1.428	2.319	15.4	19.1
94268	2001 <i>DR</i> ₁₀		6 28.6 210°87	4°0/29.3	18		128058	2003 <i>NJ</i> ₂					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
276499	2003 <i>QT</i> ₅₁		6 28.6 348°16	7°0/30.4 17			399250	2014 <i>HN</i> ₂₆		6 28.6 66°90	8°5/30.2 18		
5 21	18 51.73	- 6 34.9	1.372	2.202	19.2	19.6	5 21	18 54.18	+ 0 54.9	2.215	2.975	15.0	21.0
5 31	18 49.64	- 6 26.5	1.294	2.193	16.0	19.3	5 31	18 50.16	+ 1 52.6	2.151	2.990	12.9	20.9
6 10	18 44.82	- 6 37.7	1.234	2.186	12.3	19.1	6 10	18 44.37	+ 2 35.2	2.107	3.004	10.8	20.8
6 20	18 37.78	- 7 10.9	1.194	2.179	8.8	18.9	6 20	18 37.31	+ 2 59.6	2.086	3.019	9.2	20.7
6 30	18 29.51	- 8 6.6	1.176	2.174	7.0	18.8	6 30	18 29.66	+ 3 3.9	2.089	3.034	8.5	20.7
7 10	18 21.27	- 9 21.6	1.182	2.170	8.6	18.8	7 10	18 22.23	+ 2 48.2	2.116	3.049	9.1	20.8
7 20	18 14.29	-10 50.3	1.211	2.167	12.2	19.0	7 20	18 15.70	+ 2 14.5	2.168	3.063	10.7	20.9
7 30	18 9.65	-12 26.4	1.260	2.165	16.0	19.2	7 30	18 10.69	+ 1 26.3	2.241	3.078	12.6	21.0
355721	2008 <i>GT</i> ₁₂		6 28.6 229°99	5°5/29.6 18			147841	2005 <i>TJ</i> ₁₇₂		6 28.6 218°83	1°7/28.5 18		
5 21	18 54.17	- 6 12.1	2.414	3.198	13.2	21.3	5 21	18 58.72	-29 24.1	2.634	3.443	11.6	20.5
5 31	18 50.18	- 5 47.9	2.325	3.193	11.0	21.1	5 31	18 53.73	-29 20.8	2.540	3.438	9.1	20.3
6 10	18 44.43	- 5 34.2	2.256	3.188	8.6	21.0	6 10	18 46.82	-29 14.5	2.469	3.432	6.3	20.1
6 20	18 37.36	- 5 32.7	2.212	3.184	6.4	20.8	6 20	18 38.49	-29 3.3	2.424	3.426	3.3	19.9
6 30	18 29.60	- 5 44.3	2.194	3.179	5.5	20.8	6 30	18 29.47	-28 46.2	2.407	3.420	1.7	19.8
7 10	18 21.89	- 6 8.4	2.203	3.173	6.6	20.8	7 10	18 20.57	-28 22.9	2.419	3.413	4.2	20.0
7 20	18 14.94	- 6 43.5	2.238	3.168	8.8	21.0	7 20	18 12.60	-27 54.6	2.459	3.406	7.3	20.1
7 30	18 9.39	- 7 27.4	2.298	3.163	11.3	21.1	7 30	18 6.22	-27 23.0	2.524	3.399	10.1	20.3
277527	2005 <i>XF</i> ₅₂		6 28.6 96°61	2°8/27.9 17			230894	2004 <i>TV</i> ₄		6 28.6 335°68	2°9/28.1 18		
5 21	19 2.79	-27 12.1	1.917	2.737	14.9	21.2	5 21	18 54.89	-29 8.3	1.873	2.709	14.6	19.7
5 31	18 57.53	-28 13.6	1.853	2.757	11.7	21.1	5 31	18 51.73	-29 41.3	1.785	2.697	11.6	19.5
6 10	18 49.69	-29 16.2	1.810	2.776	8.0	20.9	6 10	18 46.03	-30 13.8	1.717	2.686	8.1	19.3
6 20	18 39.91	-30 15.0	1.793	2.795	4.4	20.7	6 20	18 38.31	-30 42.2	1.673	2.675	4.6	19.1
6 30	18 29.19	-31 5.4	1.804	2.814	2.9	20.6	6 30	18 29.48	-31 3.0	1.655	2.665	3.1	18.9
7 10	18 18.71	-31 44.2	1.842	2.832	5.7	20.8	7 10	18 20.68	-31 14.0	1.662	2.656	5.9	19.1
7 20	18 9.58	-32 10.8	1.906	2.850	9.2	21.1	7 20	18 13.03	-31 15.1	1.695	2.647	9.6	19.3
7 30	18 2.67	-32 26.7	1.994	2.868	12.4	21.3	7 30	18 7.49	-31 7.8	1.750	2.639	13.1	19.5
5616	Vogtland		6 28.6 155°57	0°4/28.5 18			458243	2010 <i>TT</i> ₄₁		6 28.6 28°12	12°2/27.7 17		
5 21	19 0.24	-23 15.6	2.284	3.096	13.1	18.9	5 21	19 3.60	-44 0.9	1.143	1.983	21.6	20.3
5 31	18 55.07	-23 31.7	2.203	3.103	10.2	18.7	5 31	19 0.85	-45 39.3	1.096	1.993	18.4	20.1
6 10	18 47.80	-23 49.6	2.144	3.110	6.9	18.5	6 10	18 53.35	-47 2.2	1.065	2.003	15.3	20.0
6 20	18 38.96	-24 7.5	2.111	3.117	3.3	18.3	6 20	18 42.04	-47 57.7	1.053	2.015	12.9	19.9
6 30	18 29.35	-24 23.4	2.106	3.123	0.7	18.1	6 30	18 28.88	-48 16.0	1.060	2.027	12.3	19.9
7 10	18 19.89	-24 35.9	2.130	3.128	4.3	18.4	7 10	18 16.44	-47 55.0	1.088	2.041	13.7	20.0
7 20	18 11.45	-24 44.8	2.182	3.133	7.8	18.6	7 20	18 6.90	-47 0.7	1.136	2.055	16.3	20.2
7 30	18 4.78	-24 50.6	2.258	3.137	11.0	18.8	7 30	18 1.60	-45 43.4	1.202	2.070	19.2	20.5
155752	2000 <i>SP</i> ₁₁₀		6 28.6 321°66	6°7/28.9 16			62429	2000 <i>SQ</i> ₁₈₇		6 28.6 342°92	7°1/25.9 18		
5 21	18 53.45	-10 34.5	1.460	2.293	18.1	19.5	5 21	18 50.90	-28 38.3	1.108	1.984	19.7	17.5
5 31	18 50.93	- 9 44.2	1.372	2.276	14.9	19.2	5 31	18 50.53	-30 42.3	1.030	1.964	15.9	17.2
6 10	18 45.68	- 9 4.1	1.303	2.259	11.4	18.9	6 10	18 46.45	-32 57.6	0.971	1.947	11.6	16.9
6 20	18 38.21	- 8 37.7	1.255	2.243	8.1	18.7	6 20	18 39.01	-35 14.0	0.932	1.931	7.9	16.6
6 30	18 29.45	- 8 27.9	1.230	2.228	6.7	18.6	6 30	18 29.32	-37 18.4	0.916	1.917	7.5	16.6
7 10	18 20.66	- 8 35.5	1.228	2.213	8.8	18.7	7 10	18 19.27	-38 59.1	0.921	1.905	11.0	16.7
7 20	18 13.07	- 8 59.3	1.249	2.199	12.5	18.8	7 20	18 10.91	-40 10.1	0.946	1.895	15.6	16.9
7 30	18 7.76	- 9 36.6	1.290	2.185	16.4	19.0	7 30	18 6.05	-40 52.1	0.989	1.888	19.9	17.2
59658	1999 <i>JE</i> ₉₅		6 28.6 321°30	1°1/28.3 18			311570	2006 <i>FB</i> ₁₇		6 28.6 26°72	2°8/28.3 17		
5 21	18 55.11	-20 24.9	1.410	2.259	17.7	17.9	5 21	18 59.32	-27 23.6	1.183	2.042	19.9	20.2
5 31	18 52.81	-21 30.1	1.315	2.237	14.1	17.6	5 31	18 56.29	-27 51.3	1.121	2.047	15.7	20.0
6 10	18 47.38	-22 48.7	1.239	2.215	9.7	17.3	6 10	18 49.64	-28 19.4	1.076	2.052	10.8	19.7
6 20	18 39.22	-24 17.2	1.186	2.194	4.7	17.0	6 20	18 40.13	-28 43.0	1.053	2.059	5.6	19.4
6 30	18 29.26	-25 49.3	1.157	2.173	1.5	16.7	6 30	18 29.20	-28 57.3	1.051	2.065	3.0	19.3
7 10	18 18.94	-27 17.8	1.154	2.153	6.7	17.0	7 10	18 18.67	-29 0.1	1.074	2.073	7.2	19.6
7 20	18 9.82	-28 37.0	1.173	2.135	12.0	17.2	7 20	18 10.13	-28 52.3	1.118	2.080	12.3	19.9
7 30	18 3.32	-29 44.1	1.214	2.117	16.7	17.4	7 30	18 4.79	-28 37.0	1.182	2.089	16.7	20.2
75064	1999 <i>VF</i> ₁₀		6 28.6 291°54	1°4/28.2 18			260845	2005 <i>QB</i> ₆₂		6 28.6 280°75	3°7/29.4 18		
5 21	18 59.04	-23 12.1	1.868	2.694	15.0	19.2	5 21	18 54.55	-11 45.4	2.208	3.013	13.6	20.9
5 31	18 55.23	-24 1.0	1.754	2.663	11.9	19.0	5 31	18 50.72	-11 38.0	2.118	3.008	11.0	20.7
6 10	18 48.66	-24 57.1	1.662	2.632	8.2	18.7	6 10	18 44.94	-11 39.6	2.050	3.003	8.1	20.5
6 20	18 39.72	-25 57.2	1.595	2.601	4.1	18.4	6 20	18 37.68	-11 50.6	2.006	2.997	5.2	20.3
6 30	18 29.18	-26 56.8	1.554	2.569	1.6	18.1	6 30	18 29.62	-12 10.8	1.988	2.992	3.8	20.2
7 10	18 18.23	-27 51.6	1.540	2.537	5.8	18.3	7 10	18 21.61	-12 39.3	1.998	2.987	5.5	20.3
7 20	18 8.15	-28 38.4	1.552	2.504	10.3	18.5	7 20	18 14.45	-13 14.4	2.034	2.982	8.5	20.5
7 30	18 0.16	-29 16.5	1.587	2.472	14.4	18.7	7 30	18 8.85	-13 54.0	2.094	2.976	11.6	20.7
491749	2012 <i>VF</i> ₇₀		6 28.6 328°27	1°6/28.3 16			466122	2012 <i>EY</i> ₆		6 28.6 37°89	0°1/28.6 17		
5 21	18 57.61	-25 8.8	1.863	2.693	14.8	21.6	5 21	18 58.19	-22 13.3	1.249	2.104	19.3	20.9
5 31	18 53.71	-25 44.8	1.780	2.691	11.7	21.4	5 31	18 54.94	-22 27.8	1.191	2.115	15.1	20.6
6 10	18 47.28	-26 23.5	1.718	2.688	8.0	21.2	6 10	18 48.43	-22 47.3	1.151	2.128	10.2	20.4
6 20	18 38.86	-27 1.7	1.680	2.686	4.0	20.9	6 20	18 39.46	-23 9.0	1.133	2.141	4.8	20.1
6 30	18 29.37	-27 35.7	1.669	2.683	1.8	20.8	6 30	18 29.34	-23 29.7	1.138	2.154	0.8	19.9
7 10	18 19.95	-28 3.0	1.684	2.681	5.4	21.0	7 10	18 19.64	-23 47.0	1.167	2.168	6.3	20.3
7 20	18 11.69	-28 22.6	1.725	2.679	9.3	21.2	7 20	18 11.76	-24 0.3	1.219	2.183	11.3	20.6
7 30	18 5.54	-28 35.1	1.789	2.677	12.9	21.5	7 30	18 6.72	-24 10.0	1.292	2.199	15.6	20.9
285858	2001 <i>GE</i> ₁₀		6 28.6 27°42	0°3/28.6 17			475376						

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
313703	2003 <i>UG</i> ₂₄	6 28.6 339°20		5°8/27.7 17			166126	2002 <i>CT</i> ₂₂₈	6 28.6 102°11		4°5/29.0 17		
5 21	18 52.67	-30 33.8	1.052	1.928	20.5	19.5	5 21	18 59.73	-14 13.6	1.467	2.296	18.2	20.1
5 31	18 51.97	-31 32.7	0.978	1.912	16.5	19.1	5 31	18 55.61	-13 39.8	1.397	2.302	14.6	19.9
6 10	18 47.35	-32 32.3	0.921	1.898	12.0	18.8	6 10	18 48.65	-13 14.8	1.346	2.308	10.5	19.6
6 20	18 39.35	-33 25.3	0.883	1.885	7.5	18.5	6 20	18 39.54	-13 0.1	1.316	2.313	6.5	19.4
6 30	18 29.31	-34 3.4	0.866	1.874	5.9	18.4	6 30	18 29.37	-12 56.3	1.312	2.319	4.5	19.3
7 10	18 19.25	-34 21.2	0.869	1.864	9.5	18.6	7 10	18 19.46	-13 3.2	1.332	2.324	7.2	19.5
7 20	18 11.18	-34 18.2	0.892	1.855	14.5	18.8	7 20	18 11.03	-13 19.4	1.376	2.330	11.3	19.7
7 30	18 6.68	-33 58.2	0.933	1.848	19.3	19.1	7 30	18 5.04	-13 43.2	1.442	2.335	15.1	20.0
442578	2012 <i>BZ</i> ₈₄	6 28.6 240°34		0°4/28.5 17			60131	1999 <i>TY</i> ₂₅₆	6 28.6 39°79		2°1/28.8 17		
5 21	18 56.06	-23 42.4	2.715	3.526	11.2	22.8	5 21	18 55.29	-17 48.7	2.119	2.939	13.7	19.3
5 31	18 51.65	-23 54.5	2.615	3.515	8.8	22.6	5 31	18 51.31	-17 32.5	2.040	2.943	10.8	19.1
6 10	18 45.46	-24 8.0	2.537	3.504	6.0	22.4	6 10	18 45.32	-17 20.8	1.983	2.948	7.5	18.9
6 20	18 37.90	-24 21.4	2.486	3.492	2.9	22.2	6 20	18 37.85	-17 13.5	1.950	2.953	4.0	18.7
6 30	18 29.59	-24 33.2	2.464	3.480	0.6	22.0	6 30	18 29.65	-17 10.3	1.945	2.957	2.1	18.5
7 10	18 21.30	-24 42.5	2.470	3.468	3.8	22.2	7 10	18 21.62	-17 11.0	1.966	2.963	4.8	18.7
7 20	18 13.75	-24 48.9	2.504	3.455	7.0	22.4	7 20	18 14.59	-17 15.1	2.014	2.968	8.2	19.0
7 30	18 7.60	-24 52.7	2.563	3.442	9.8	22.6	7 30	18 9.26	-17 22.3	2.086	2.973	11.4	19.2
442150	2010 <i>VV</i> ₁₁₇	6 28.6 277°63		0°1/28.6 18			258016	2001 <i>FR</i> ₁₂₀	6 28.6 39°45		5°6/27.9 17		
5 21	18 56.31	-24 15.8	2.445	3.262	12.1	20.9	5 21	19 0.75	-31 8.2	1.178	2.034	20.1	19.9
5 31	18 52.03	-24 5.2	2.345	3.249	9.6	20.7	5 31	18 57.48	-32 16.7	1.129	2.051	15.9	19.7
6 10	18 45.79	-24 8.0	2.268	3.235	6.5	20.5	6 10	18 50.43	-33 22.7	1.098	2.068	11.4	19.5
6 20	18 38.07	-23 42.0	2.216	3.221	3.1	20.3	6 20	18 40.50	-34 18.1	1.087	2.086	7.1	19.3
6 30	18 29.57	-23 27.9	2.191	3.208	0.5	20.0	6 30	18 29.23	-34 55.9	1.100	2.105	5.7	19.3
7 10	18 21.12	-23 11.6	2.195	3.194	4.1	20.3	7 10	18 18.53	-35 12.8	1.136	2.125	8.6	19.5
7 20	18 13.53	-22 53.9	2.227	3.180	7.6	20.5	7 20	18 10.03	-35 10.5	1.193	2.145	12.8	19.8
7 30	18 7.50	-22 35.7	2.283	3.166	10.7	20.7	7 30	18 4.86	-34 53.7	1.271	2.166	16.6	20.1
328187	2008 <i>DK</i> ₅₉	6 28.6 20°18		0°4/28.6 17			503446	2016 <i>EJ</i> ₁₁₁	6 28.6 14°94		2°0/28.5 17		
5 21	18 56.61	-22 45.8	1.223	2.081	19.3	20.6	5 21	18 55.24	-26 14.2	1.046	1.919	20.8	20.4
5 31	18 53.81	-22 36.7	1.160	2.087	15.2	20.4	5 31	18 53.38	-26 28.4	0.989	1.923	16.4	20.2
6 10	18 47.74	-22 30.3	1.116	2.093	10.3	20.1	6 10	18 47.80	-26 43.3	0.949	1.929	11.2	19.9
6 20	18 39.17	-22 25.3	1.092	2.100	4.9	19.8	6 20	18 39.31	-26 55.1	0.928	1.936	5.5	19.6
6 30	18 29.40	-22 20.1	1.092	2.108	0.9	19.6	6 30	18 29.42	-27 0.0	0.929	1.944	2.2	19.4
7 10	18 20.03	-22 14.1	1.115	2.117	6.4	20.0	7 10	18 19.99	-26 56.5	0.952	1.954	7.2	19.8
7 20	18 12.45	-22 7.7	1.161	2.127	11.5	20.3	7 20	18 12.65	-26 45.6	0.995	1.964	12.6	20.1
7 30	18 7.72	-22 1.8	1.227	2.138	15.9	20.6	7 30	18 8.56	-26 29.9	1.058	1.976	17.2	20.4
501479	2014 <i>BD</i> ₆₀	6 28.6 291°56		6°9/ 1.6 17			166283	2002 <i>GA</i> ₁₂₅	6 28.6 2°45		0°6/28.6 17		
5 21	19 2.28	- 1 50.8	1.083	1.899	24.1	20.4	5 21	18 58.53	-24 23.4	1.274	2.127	19.0	19.9
5 31	18 59.17	- 2 56.0	0.996	1.887	20.4	20.1	5 31	18 55.41	-24 25.0	1.203	2.127	15.0	19.7
6 10	18 52.20	- 4 42.4	0.926	1.875	15.7	19.8	6 10	18 48.94	-24 28.3	1.150	2.126	10.2	19.4
6 20	18 41.74	- 7 13.5	0.874	1.863	10.6	19.4	6 20	18 39.82	-24 30.8	1.119	2.127	4.9	19.1
6 30	18 28.90	-10 25.3	0.846	1.851	7.0	19.2	6 30	18 29.34	-24 30.1	1.111	2.127	1.0	18.8
7 10	18 15.51	-14 3.8	0.842	1.839	9.2	19.3	7 10	18 19.13	-24 24.9	1.127	2.128	6.5	19.2
7 20	18 3.57	-17 49.6	0.863	1.827	14.7	19.5	7 20	18 10.68	-24 16.0	1.166	2.130	11.7	19.5
7 30	17 54.91	-21 24.8	0.907	1.816	20.2	19.8	7 30	18 5.14	-24 5.1	1.225	2.132	16.2	19.8
163124	2002 <i>BC</i> ₂₂	6 28.6 236°34		4°0/28.1 17			304562	2006 <i>VE</i> ₆	6 28.6 188°60		2°5/28.0 18		
5 21	19 4.44	-30 55.6	1.684	2.509	16.4	20.7	5 21	18 58.44	-29 18.8	2.492	3.305	12.1	21.0
5 31	18 59.70	-31 33.9	1.593	2.498	13.2	20.5	5 31	18 53.76	-29 57.6	2.405	3.304	9.5	20.8
6 10	18 51.75	-32 10.8	1.522	2.486	9.4	20.2	6 10	18 47.01	-30 35.8	2.341	3.303	6.7	20.6
6 20	18 41.17	-32 40.8	1.475	2.474	5.6	20.0	6 20	18 38.69	-31 10.0	2.302	3.302	3.8	20.4
6 30	18 29.05	-32 58.8	1.453	2.461	4.1	19.8	6 30	18 29.54	-31 37.5	2.292	3.301	2.6	20.5
7 10	18 16.92	-33 1.9	1.458	2.447	7.1	20.0	7 10	18 20.43	-31 56.5	2.310	3.299	4.9	20.5
7 20	18 6.24	-32 50.8	1.487	2.433	11.2	20.2	7 20	18 12.25	-32 6.5	2.355	3.298	7.8	20.7
7 30	17 58.25	-32 28.6	1.539	2.419	15.1	20.4	7 30	18 5.73	-32 8.7	2.425	3.296	10.6	20.9
37620	1993 <i>QA</i> ₃	6 28.6 336°48		3°4/29.0 18			257911	2000 <i>VV</i> ₁	6 28.6 246°40		13°1/27.0 18		
5 21	18 51.57	-15 28.0	1.678	2.515	15.9	18.1	5 21	18 59.78	+ 3 51.2	1.771	2.524	18.4	21.5
5 31	18 49.16	-15 10.4	1.586	2.498	12.8	17.8	5 31	18 55.35	+ 5 57.6	1.687	2.510	16.5	21.3
6 10	18 44.32	-15 0.4	1.515	2.482	9.2	17.6	6 10	18 48.43	+ 7 49.8	1.621	2.496	14.7	21.2
6 20	18 37.54	-14 58.9	1.466	2.466	5.4	17.3	6 20	18 39.49	+ 9 20.2	1.577	2.482	13.4	21.0
6 30	18 29.66	-15 6.0	1.441	2.452	3.4	17.2	6 30	18 29.39	+10 21.6	1.555	2.467	13.2	21.0
7 10	18 21.77	-15 21.0	1.442	2.438	6.2	17.3	7 10	18 19.24	+10 50.3	1.555	2.451	14.1	21.0
7 20	18 14.95	-15 42.8	1.466	2.426	10.2	17.5	7 20	18 10.11	+10 46.3	1.576	2.435	15.9	21.1
7 30	18 10.12	-16 9.7	1.513	2.414	14.0	17.7	7 30	18 2.97	+10 13.2	1.616	2.418	18.1	21.2
392955	2012 <i>WJ</i> ₂₅	6 28.6 262°84		2°1/28.2 18			163250	2002 <i>GH</i> ₁	6 28.6 48°42		18°3/18.5 18		
5 21	18 58.55	-27 10.8	2.012	2.837	14.1	21.5	5 21	19 9.35	+28 46.6	1.633	2.216	25.1	19.4
5 31	18 54.35	-27 41.5	1.922	2.829	11.1	21.3	5 31	19 1.91	+30 0.3	1.636	2.281	23.4	19.5
6 10	18 47.69	-28 13.0	1.854	2.821	7.7	21.0	6 10	18 52.04	+30 33.3	1.649	2.344	21.7	19.5
6 20	18 39.09	-28 41.8	1.810	2.814	4.0	20.8	6 20	18 40.75	+30 21.4	1.674	2.407	20.2	19.5
6 30	18 29.42	-29 5.0	1.793	2.806	2.2	20.7	6 30	18 29.28	+29 23.8	1.715	2.468	19.1	19.6
7 10	18 19.78	-29 20.3	1.803	2.798	5.3	20.9	7 10	18 18.84	+27 45.3	1.772	2.529	18.5	19.7
7 20	18 11.24	-29 27.4	1.839	2.790	9.1	21.1	7 20	18 10.33	+25 34.2	1.847	2.588	18.3	19.8
7 30	18 4.71	-29 27.5	1.898	2.781	12.5	21.3	7 30	18 4.33	+23 0.7	1.940	2.646	18.5	20.0
195027	2002 <i>CJ</i> ₃₉	6 28.6 100°29		0°1/28.6 18			101542	1998 <i>YK</i> ₁₈	6 28.6 290°71				

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
291873	2006 <i>PF</i> ₁₂		6 28.6 282°83	2°1/28.5	18		150334	1999 <i>VQ</i> ₁₉₅		6 28.6 285°71	0°6/28.7	18	
5 21	19 0.94	-28 0.7	1.527	2.366	17.2	21.2	5 21	18 55.50	-21 4.0	2.310	3.129	12.7	20.6
5 31	18 57.14	-28 7.3	1.434	2.349	13.7	20.9	5 31	18 51.59	-21 7.3	2.207	3.111	10.0	20.4
6 10	18 50.12	-28 12.3	1.361	2.332	9.5	20.6	6 10	18 45.65	-21 13.5	2.125	3.093	6.9	20.2
6 20	18 40.45	-28 12.1	1.310	2.315	4.9	20.3	6 20	18 38.11	-21 21.8	2.069	3.075	3.3	19.9
6 30	18 29.24	-28 3.5	1.283	2.298	2.3	20.1	6 30	18 29.67	-21 30.9	2.040	3.056	0.8	19.7
7 10	18 18.02	-27 45.5	1.282	2.280	6.4	20.3	7 10	18 21.18	-21 39.9	2.039	3.038	4.4	19.9
7 20	18 8.26	-27 19.1	1.305	2.263	11.3	20.6	7 20	18 13.52	-21 48.2	2.065	3.020	8.0	20.1
7 30	18 1.23	-26 47.8	1.350	2.246	15.7	20.8	7 30	18 7.44	-21 56.0	2.115	3.001	11.3	20.3
174493	2003 <i>BT</i> ₁₅		6 28.6 61°57	2°3/29.3	18		380299	2002 <i>CB</i> ₂₄₇		6 28.6 225°15	1°3/28.8	18	
5 21	18 56.14	-14 28.4	2.046	2.860	14.3	19.6	5 21	18 59.85	-19 16.6	2.382	3.188	12.8	21.6
5 31	18 52.03	-14 49.5	1.973	2.871	11.3	19.5	5 31	18 54.83	-19 9.7	2.279	3.175	10.1	21.4
6 10	18 45.85	-15 19.7	1.921	2.883	7.9	19.3	6 10	18 47.76	-19 6.1	2.199	3.162	7.0	21.1
6 20	18 38.13	-15 57.9	1.894	2.895	4.4	19.1	6 20	18 39.08	-19 5.0	2.145	3.148	3.6	20.9
6 30	18 29.65	-16 42.2	1.894	2.907	2.3	19.0	6 30	18 29.52	-19 5.8	2.119	3.134	1.4	20.7
7 10	18 21.33	-17 30.1	1.922	2.919	4.9	19.2	7 10	18 19.95	-19 8.0	2.122	3.118	4.5	20.9
7 20	18 14.02	-18 19.2	1.976	2.931	8.3	19.4	7 20	18 11.22	-19 11.2	2.152	3.102	8.0	21.1
7 30	18 8.45	-19 7.6	2.055	2.943	11.5	19.6	7 30	18 4.12	-19 15.6	2.208	3.085	11.2	21.3
189763	2002 <i>AV</i> ₁₆₀		6 28.6 198°05	1°7/28.8	17		356943	2012 <i>TB</i> ₃₀₂		6 28.6 213°14	2°1/28.2	18	
5 21	18 59.11	-18 12.7	2.148	2.960	13.8	21.4	5 21	18 59.27	-27 5.1	2.058	2.880	13.9	21.0
5 31	18 54.37	-18 6.2	2.058	2.957	10.9	21.2	5 31	18 54.84	-27 40.1	1.972	2.877	11.0	20.8
6 10	18 47.47	-18 4.2	1.991	2.954	7.6	21.0	6 10	18 47.99	-28 16.1	1.908	2.875	7.6	20.5
6 20	18 38.93	-18 6.2	1.948	2.951	4.0	20.8	6 20	18 39.26	-28 49.6	1.868	2.872	4.0	20.3
6 30	18 29.52	-18 11.5	1.933	2.947	1.8	20.6	6 30	18 29.52	-29 17.2	1.856	2.869	2.2	20.2
7 10	18 20.19	-18 19.3	1.946	2.942	4.8	20.8	7 10	18 19.83	-29 36.8	1.871	2.866	5.2	20.4
7 20	18 11.85	-18 29.1	1.985	2.937	8.4	21.0	7 20	18 11.25	-29 48.0	1.913	2.862	8.9	20.6
7 30	18 5.28	-18 40.5	2.049	2.932	11.8	21.2	7 30	18 4.65	-29 51.8	1.978	2.859	12.2	20.8
8573	Ivanka		6 28.6 154°07	5°2/27.5	18		435707	2008 <i>TG</i> ₁₇₃		6 28.6 204°13	0°9/28.5	17	
5 21	19 1.71	-37 47.7	2.525	3.323	12.3	18.0	5 21	18 59.37	-24 51.2	2.007	2.830	14.2	22.3
5 31	18 56.47	-38 41.4	2.447	3.328	10.1	17.8	5 31	18 54.86	-25 4.2	1.921	2.828	11.2	22.1
6 10	18 48.93	-39 29.6	2.391	3.333	7.7	17.7	6 10	18 47.97	-25 18.3	1.857	2.825	7.6	21.8
6 20	18 39.63	-40 7.7	2.361	3.338	5.7	17.5	6 20	18 39.23	-25 31.2	1.817	2.823	3.7	21.6
6 30	18 29.41	-40 32.1	2.358	3.342	5.2	17.5	6 30	18 29.53	-25 40.8	1.805	2.820	1.1	21.4
7 10	18 19.32	-40 41.0	2.383	3.346	6.6	17.6	7 10	18 19.95	-25 45.8	1.819	2.818	4.9	21.7
7 20	18 10.32	-40 35.1	2.433	3.350	8.8	17.8	7 20	18 11.49	-25 46.1	1.861	2.815	8.8	21.9
7 30	18 3.24	-40 16.9	2.508	3.353	11.1	17.9	7 30	18 5.02	-25 42.8	1.926	2.811	12.2	22.1
438807	2008 <i>YN</i> ₁₀₁		6 28.6 230°02	1°6/28.9	16		469439	2002 <i>GO</i> ₇₄		6 28.6 48°49	9°6/27.9	16	
5 21	18 57.01	-17 42.8	2.090	2.907	13.9	21.4	5 21	19 5.77	-43 21.8	1.539	2.354	18.2	21.0
5 31	18 52.83	-17 48.2	2.001	2.903	11.0	21.2	5 31	19 1.22	-44 40.7	1.489	2.371	15.3	20.9
6 10	18 46.50	-17 59.6	1.934	2.899	7.6	21.0	6 10	18 52.90	-45 46.6	1.458	2.389	12.4	20.8
6 20	18 38.49	-18 16.1	1.891	2.894	4.0	20.8	6 20	18 41.68	-46 30.8	1.448	2.408	10.2	20.7
6 30	18 29.59	-18 36.5	1.875	2.889	1.7	20.6	6 30	18 29.15	-46 46.6	1.461	2.427	9.7	20.7
7 10	18 20.75	-18 59.4	1.887	2.884	4.8	20.8	7 10	18 17.23	-46 32.9	1.497	2.446	11.0	20.8
7 20	18 12.86	-19 23.4	1.925	2.879	8.5	21.0	7 20	18 7.54	-45 53.5	1.556	2.465	13.3	21.0
7 30	18 6.73	-19 47.9	1.987	2.874	11.9	21.2	7 30	18 1.22	-44 55.7	1.634	2.485	15.8	21.2
321213	2008 <i>YM</i> ₈₈		6 28.6 122°63	0°3/28.6	17		14259	2000 <i>AQ</i> ₁₁₇		6 28.6 229°03	2°9/29.3	18	
5 21	18 58.86	-23 34.4	2.159	2.978	13.5	21.6	5 21	18 54.09	-12 43.4	2.746	3.543	11.5	18.6
5 31	18 54.12	-23 40.2	2.082	2.987	10.6	21.4	5 31	18 50.00	-12 42.5	2.650	3.537	9.2	18.5
6 10	18 47.23	-23 47.4	2.027	2.995	7.1	21.2	6 10	18 44.30	-12 48.6	2.577	3.530	6.7	18.3
6 20	18 38.78	-23 54.2	1.998	3.004	3.4	21.0	6 20	18 37.39	-13 1.7	2.530	3.523	4.1	18.1
6 30	18 29.56	-23 59.2	1.995	3.012	0.6	20.8	6 30	18 29.84	-13 21.5	2.510	3.516	2.9	18.0
7 10	18 20.56	-24 1.4	2.021	3.020	4.4	21.1	7 10	18 22.31	-13 47.0	2.519	3.508	4.5	18.1
7 20	18 12.64	-24 1.0	2.074	3.027	8.0	21.4	7 20	18 15.44	-14 17.0	2.555	3.501	7.1	18.3
7 30	18 6.54	-23 58.6	2.151	3.035	11.2	21.6	7 30	18 9.83	-14 50.2	2.617	3.493	9.7	18.4
234266	2000 <i>VG</i> ₅₄		6 28.6 224°67	0°1/28.6	18		107229	2001 <i>BA</i> ₅₃		6 28.6 100°25	6°8/30.4	18	
5 21	19 0.48	-23 23.1	2.400	3.209	12.6	21.5	5 21	18 56.52	-4 7.4	1.946	2.732	15.9	20.0
5 31	18 55.34	-23 19.7	2.298	3.197	9.9	21.3	5 31	18 52.38	-3 49.0	1.872	2.739	13.3	19.8
6 10	18 48.09	-23 16.8	2.219	3.185	6.8	21.1	6 10	18 46.13	-3 45.7	1.818	2.747	10.5	19.7
6 20	18 39.23	-23 13.4	2.166	3.172	3.2	20.8	6 20	18 38.30	-3 59.5	1.787	2.755	8.0	19.5
6 30	18 29.48	-23 8.2	2.141	3.158	0.5	20.6	6 30	18 29.70	-4 30.8	1.780	2.763	6.8	19.5
7 10	18 19.76	-23 0.7	2.145	3.143	4.3	20.8	7 10	18 21.25	-5 18.1	1.800	2.770	7.8	19.5
7 20	18 10.93	-22 51.3	2.177	3.128	7.9	21.0	7 20	18 13.82	-6 18.2	1.845	2.777	10.2	19.7
7 30	18 3.78	-22 40.8	2.234	3.112	11.1	21.2	7 30	18 8.17	-7 27.1	1.913	2.785	13.0	19.9
491896	2013 <i>CN</i> ₁₄		6 28.6 142°22	3°9/28.2	18		86130	1999 <i>RN</i> ₁₅₆		6 28.6 130°50	3°8/28.3	18	
5 21	18 59.91	-34 55.0	2.397	3.206	12.6	21.7	5 21	18 59.75	-34 33.4	2.343	3.153	12.8	18.4
5 31	18 55.00	-35 19.5	2.316	3.209	10.1	21.5	5 31	18 54.92	-34 52.4	2.261	3.155	10.3	18.2
6 10	18 47.87	-35 38.8	2.258	3.211	7.4	21.3	6 10	18 47.85	-35 6.0	2.201	3.156	7.5	18.0
6 20	18 39.09	-35 49.4	2.224	3.214	4.9	21.2	6 20	18 39.11	-35 11.0	2.166	3.158	4.8	17.9
6 30	18 29.51	-35 48.7	2.218	3.217	4.0	21.1	6 30	18 29.57	-35 5.0	2.158	3.160	3.8	17.8
7 10	18 20.13	-35 36.0	2.239	3.220	5.7	21.2	7 10	18 20.24	-34 47.2	2.178	3.161	5.6	17.9
7 20	18 11.87	-35 12.4	2.286	3.222	8.4	21.4	7 20	18 12.04	-34 19.1	2.224	3.163	8.4	18.1
7 30	18 5.49	-34 40.5	2.358	3.224	11.0	21.6	7 30	18 5.75	-33 43.4	2.294	3.164	11.1	18.3
236475	2006 <i>FT</i> ₂₀		6 28.6 243°23	1°7/28.4	17		5021	Krylania		6 28.			

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
39094	2000 VQ ₅₈		6 28.6 119° 33'	19.94	3° 3'	29.1 18	474168	1999 TD ₈₀		6 28.6 162° 59'	4° 5'	27.8 18	
5 21	18 55.48	-12 46.3	2.672	3.467	11.8	19.7	5 21	18 59.80	-36 23.6	2.613	3.415	11.9	21.6
5 31	18 50.94	-12 23.2	2.595	3.479	9.5	19.5	5 31	18 54.87	-37 6.3	2.531	3.417	9.6	21.4
6 10	18 44.82	-12 6.2	2.541	3.492	6.9	19.4	6 10	18 47.80	-37 44.1	2.472	3.420	7.2	21.3
6 20	18 37.58	-11 55.7	2.513	3.504	4.4	19.2	6 20	18 39.12	-38 13.3	2.439	3.422	5.1	21.1
6 30	18 29.82	-11 52.2	2.513	3.516	3.3	19.2	6 30	18 29.61	-38 30.5	2.433	3.424	4.5	21.1
7 10	18 22.23	-11 55.3	2.541	3.527	4.8	19.3	7 10	18 20.23	-38 34.6	2.455	3.426	6.0	21.2
7 20	18 15.42	-12 4.4	2.597	3.538	7.2	19.4	7 20	18 11.84	-38 26.0	2.503	3.427	8.3	21.3
7 30	18 9.95	-12 18.7	2.678	3.549	9.7	19.6	7 30	18 5.23	-38 6.9	2.575	3.429	10.6	21.5
103740	Budinger		6 28.6 167° 28'	0° 1'	28.6 18		185744	Hogan		6 28.6 199° 64'	5° 2'	27.6 18	
5 21	18 57.88	-22 19.9	2.021	2.844	14.1	19.9	5 21	19 3.14	-39 43.2	2.785	3.571	11.6	21.5
5 31	18 53.62	-22 30.1	1.938	2.845	11.1	19.7	5 31	18 57.49	-40 29.3	2.695	3.567	9.6	21.3
6 10	18 47.07	-22 43.2	1.877	2.845	7.5	19.5	6 10	18 49.61	-41 9.2	2.629	3.563	7.5	21.2
6 20	18 38.80	-22 57.4	1.840	2.846	3.6	19.2	6 20	18 40.00	-41 38.6	2.588	3.557	5.7	21.1
6 30	18 29.63	-23 11.0	1.830	2.846	0.6	19.0	6 30	18 29.48	-41 54.0	2.574	3.552	5.3	21.0
7 10	18 20.59	-23 22.5	1.848	2.847	4.7	19.3	7 10	18 19.02	-41 54.0	2.588	3.545	6.5	21.1
7 20	18 12.62	-23 31.5	1.891	2.847	8.5	19.5	7 20	18 9.57	-41 39.2	2.629	3.539	8.5	21.2
7 30	18 6.56	-23 38.3	1.959	2.847	12.0	19.8	7 30	18 1.94	-41 12.4	2.694	3.531	10.7	21.4
417485	2006 RN ₆₉		6 28.6 264° 75'	2° 3'	28.9 17		352067	2006 WG ₈₅		6 28.6 223° 55'	0° 9'	28.8 18	
5 21	18 59.13	-18 6.3	1.645	2.474	16.6	21.3	5 21	18 56.25	-20 6.5	2.420	3.234	12.4	21.8
5 31	18 55.24	-17 54.6	1.552	2.460	13.2	21.1	5 31	18 51.96	-20 7.8	2.328	3.229	9.7	21.6
6 10	18 48.57	-17 48.5	1.479	2.447	9.3	20.8	6 10	18 45.78	-20 12.4	2.259	3.224	6.7	21.4
6 20	18 39.67	-17 48.1	1.429	2.433	4.9	20.5	6 20	18 38.16	-20 19.4	2.215	3.219	3.3	21.2
6 30	18 29.48	-17 52.5	1.405	2.418	2.3	20.3	6 30	18 29.78	-20 27.8	2.198	3.214	1.0	21.0
7 10	18 19.25	-18 1.1	1.406	2.404	6.0	20.5	7 10	18 21.47	-20 36.8	2.210	3.209	4.1	21.2
7 20	18 10.22	-18 12.9	1.432	2.389	10.6	20.7	7 20	18 13.99	-20 45.8	2.250	3.203	7.5	21.4
7 30	18 3.46	-18 27.5	1.480	2.375	14.7	21.0	7 30	18 8.05	-20 54.8	2.314	3.197	10.6	21.6
340471	2006 HK ₃₆		6 28.6 17° 38'	3° 3'	28.1 17		147734	2005 ME ₅₃		6 28.6 304° 93'	2° 5'	28.3 18	
5 21	18 58.26	-28 49.5	1.616	2.455	16.3	20.4	5 21	18 57.34	-29 2.2	1.990	2.818	14.1	19.9
5 31	18 54.68	-29 31.0	1.543	2.457	12.9	20.2	5 31	18 53.53	-29 24.5	1.897	2.805	11.2	19.7
6 10	18 48.19	-30 12.3	1.491	2.460	9.0	19.9	6 10	18 47.24	-29 45.6	1.825	2.792	7.8	19.5
6 20	18 39.45	-30 48.8	1.461	2.464	5.1	19.7	6 20	18 38.98	-30 2.3	1.777	2.779	4.3	19.3
6 30	18 29.53	-31 16.0	1.457	2.468	3.4	19.6	6 30	18 29.64	-30 11.8	1.755	2.766	2.6	19.1
7 10	18 19.81	-31 31.5	1.478	2.472	6.5	19.8	7 10	18 20.31	-30 12.4	1.760	2.754	5.5	19.3
7 20	18 11.55	-31 35.2	1.524	2.477	10.4	20.0	7 20	18 12.09	-30 4.3	1.790	2.742	9.2	19.5
7 30	18 5.77	-31 29.3	1.591	2.482	14.1	20.3	7 30	18 5.91	-29 49.4	1.844	2.730	12.7	19.7
439187	2011 WG ₁₃₆		6 28.6 237° 66'	4° 4'	29.1 18		443640	2014 OR ₁₃₁		6 28.6 349° 76'	4° 7'	29.9 18	
5 21	18 55.01	-9 55.2	2.578	3.368	12.3	21.6	5 21	18 54.24	-7 25.9	2.333	3.123	13.5	20.7
5 31	18 50.80	-9 23.0	2.480	3.358	10.1	21.5	5 31	18 50.36	-7 25.5	2.247	3.123	11.1	20.5
6 10	18 44.90	-8 57.9	2.405	3.348	7.6	21.3	6 10	18 44.68	-7 36.7	2.182	3.123	8.4	20.3
6 20	18 37.70	-8 41.3	2.356	3.337	5.4	21.1	6 20	18 37.63	-8 0.3	2.142	3.122	5.9	20.2
6 30	18 29.82	-8 34.2	2.333	3.326	4.4	21.0	6 30	18 29.87	-8 36.0	2.128	3.122	4.7	20.1
7 10	18 21.97	-8 36.7	2.338	3.315	5.8	21.1	7 10	18 22.18	-9 22.2	2.141	3.122	5.9	20.2
7 20	18 14.82	-8 48.3	2.369	3.304	8.2	21.2	7 20	18 15.27	-10 16.6	2.181	3.122	8.4	20.3
7 30	18 9.02	-9 7.7	2.426	3.292	10.7	21.4	7 30	18 9.82	-11 16.4	2.246	3.122	11.1	20.5
47355	1999 XG ₆₄		6 28.6 110° 35'	0° 5'	28.6 18		475077	2005 UO ₁₅₅		6 28.6 231° 59'	4° 4'	29.4 18	
5 21	19 2.09	-23 9.9	1.688	2.516	16.3	19.6	5 21	18 54.50	-7 2.6	3.077	3.848	10.9	22.7
5 31	18 57.23	-23 27.3	1.619	2.528	12.7	19.4	5 31	18 50.15	-6 40.8	2.972	3.834	9.1	22.5
6 10	18 49.66	-23 47.7	1.571	2.541	8.6	19.2	6 10	18 44.34	-6 26.8	2.890	3.820	7.0	22.3
6 20	18 40.05	-24 8.2	1.547	2.553	4.1	19.0	6 20	18 37.43	-6 21.8	2.833	3.804	5.2	22.2
6 30	18 29.46	-24 26.2	1.549	2.565	0.8	18.7	6 30	18 29.92	-6 26.5	2.804	3.789	4.4	22.1
7 10	18 19.17	-24 40.0	1.578	2.577	5.3	19.1	7 10	18 22.40	-6 40.7	2.804	3.773	5.4	22.2
7 20	18 10.33	-24 49.1	1.632	2.588	9.6	19.4	7 20	18 15.43	-7 3.5	2.830	3.756	7.4	22.3
7 30	18 3.85	-24 54.5	1.710	2.599	13.3	19.6	7 30	18 9.56	-7 33.7	2.883	3.739	9.5	22.4
317821	2003 SP ₂₇₆		6 28.6 333° 34'	4° 4'	29.1 17		138102	2000 DE ₉₀		6 28.6 265° 01'	1° 7'	28.5 18	
5 21	18 53.39	-15 6.4	1.171	2.029	20.1	20.4	5 21	19 1.79	-26 56.7	1.758	2.585	15.7	20.7
5 31	18 51.62	-14 41.1	1.093	2.016	16.2	20.1	5 31	18 57.43	-27 6.1	1.658	2.566	12.5	20.5
6 10	18 46.59	-14 26.2	1.032	2.004	11.7	19.8	6 10	18 50.16	-27 15.2	1.578	2.547	8.7	20.2
6 20	18 38.88	-14 23.5	0.991	1.993	7.0	19.5	6 20	18 40.49	-27 20.8	1.522	2.527	4.4	19.9
6 30	18 29.61	-14 33.6	0.972	1.983	4.5	19.3	6 30	18 29.41	-27 20.0	1.491	2.506	1.8	19.7
7 10	18 20.37	-14 55.6	0.975	1.974	7.9	19.5	7 10	18 18.25	-27 11.5	1.488	2.485	5.8	19.9
7 20	18 12.65	-15 27.2	0.999	1.966	12.9	19.7	7 20	18 8.31	-26 55.7	1.509	2.464	10.4	20.1
7 30	18 7.75	-16 5.6	1.043	1.959	17.7	20.0	7 30	18 0.76	-26 35.0	1.554	2.443	14.5	20.3
362520	2010 TP ₁₀₄		6 28.6 247° 39'	7° 6'	26.5 18		314417	2005 UL ₃₅₀		6 28.6 243° 57'	0° 8'	28.8 18	
5 21	19 3.18	-45 41.0	2.628	3.403	12.5	20.8	5 21	18 55.87	-19 27.0	2.576	3.386	11.8	21.2
5 31	18 58.09	-46 53.6	2.543	3.395	10.7	20.7	5 31	18 51.61	-19 38.2	2.476	3.375	9.3	21.0
6 10	18 50.34	-47 57.9	2.480	3.387	9.0	20.5	6 10	18 45.54	-19 53.4	2.400	3.364	6.4	20.8
6 20	18 40.46	-48 48.0	2.441	3.379	7.8	20.4	6 20	18 38.07	-20 11.8	2.349	3.353	3.2	20.6
6 30	18 29.37	-49 19.3	2.428	3.371	7.6	20.4	6 30	18 29.82	-20 31.9	2.326	3.341	0.9	20.4
7 10	18 18.24	-49 29.3	2.441	3.362	8.6	20.5	7 10	18 21.56	-20 52.6	2.331	3.330	4.0	20.6
7 20	18 8.27	-49 18.8	2.478	3.353	10.3	20.6	7 20	18 14.04	-21 12.9	2.365	3.318	7.2	20.8
7 30	18 0.45	-48 51.0	2.537	3.344	12.1	20.7	7 30	18 7.94	-21 32.5	2.424	3.305	10.2	21.0
58367	1995 QL		6 28.6 318° 82'	2° 0'	28.7 18		469974	2006 DZ ₂₀₈		6 28.7 301° 44'	9° 4'	27.1 17	
5 21													

EPHEMERIDES

6 28.7

6 28.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
126484	2002 <i>CU</i> ₅₁		6 28.7 120°74	3°9/29.4	18		283703	2002 <i>RH</i> ₂₅₅		6 28.7 274°09	3°4/29.2	18	
5 21	18 58.65	-12 6.4	2.043	2.847	14.7	20.7	5 21	18 56.59	-13 14.0	2.126	2.934	14.0	21.5
5 31	18 53.94	-11 53.9	1.971	2.859	11.8	20.6	5 31	18 52.64	-13 7.6	2.020	2.912	11.4	21.2
6 10	18 47.14	-11 50.4	1.919	2.872	8.6	20.4	6 10	18 46.54	-13 9.6	1.935	2.891	8.3	21.0
6 20	18 38.81	-11 56.4	1.892	2.884	5.4	20.2	6 20	18 38.69	-13 20.3	1.874	2.869	5.1	20.8
6 30	18 29.75	-12 11.6	1.891	2.895	3.9	20.2	6 30	18 29.80	-13 39.8	1.840	2.847	3.4	20.6
7 10	18 20.89	-12 34.8	1.918	2.906	5.7	20.3	7 10	18 20.79	-14 6.9	1.833	2.825	5.6	20.7
7 20	18 13.10	-13 4.4	1.971	2.917	8.9	20.5	7 20	18 12.59	-14 40.1	1.852	2.802	9.1	20.9
7 30	18 7.08	-13 38.5	2.048	2.928	11.9	20.7	7 30	18 6.04	-15 17.8	1.896	2.779	12.5	21.1
469949	2006 <i>BR</i> ₁₁₂		6 28.7 20°11	1°2/28.9	17		476407	2008 <i>CW</i> ₂₀₇		6 28.7 168°53	4°3/28.4	17	
5 21	18 56.43	-18 57.7	1.547	2.387	16.9	21.0	5 21	19 1.15	-36 6.2	2.286	3.094	13.2	21.8
5 31	18 53.10	-19 10.2	1.475	2.390	13.4	20.8	5 31	18 56.16	-36 26.2	2.204	3.094	10.6	21.6
6 10	18 47.06	-19 29.8	1.422	2.394	9.2	20.6	6 10	18 48.79	-36 39.7	2.143	3.095	7.9	21.5
6 20	18 38.93	-19 55.2	1.392	2.398	4.5	20.3	6 20	18 39.66	-36 43.2	2.107	3.095	5.3	21.3
6 30	18 29.72	-20 24.0	1.387	2.403	1.4	20.1	6 30	18 29.68	-36 34.0	2.098	3.096	4.4	21.3
7 10	18 20.70	-20 53.8	1.408	2.408	5.6	20.4	7 10	18 19.92	-36 11.3	2.116	3.096	6.1	21.4
7 20	18 13.03	-21 23.0	1.452	2.414	10.1	20.7	7 20	18 11.37	-35 37.0	2.161	3.096	8.8	21.5
7 30	18 7.66	-21 50.4	1.519	2.420	14.0	20.9	7 30	18 4.85	-34 54.1	2.229	3.097	11.5	21.7
150208	1998 <i>SR</i> ₅₀		6 28.7 273°79	1°9/28.4	18		117674	2005 <i>EE</i> ₂₁₄		6 28.7 141°00	1°4/28.5	18	
5 21	19 0.79	-26 42.5	1.709	2.540	16.0	20.8	5 21	19 3.94	-25 54.7	1.785	2.607	15.7	20.8
5 31	18 56.77	-27 1.5	1.609	2.520	12.7	20.5	5 31	18 58.66	-26 10.7	1.711	2.617	12.4	20.6
6 10	18 49.80	-27 21.3	1.530	2.500	8.8	20.2	6 10	18 50.65	-26 27.0	1.659	2.626	8.4	20.4
6 20	18 40.37	-27 38.6	1.475	2.480	4.5	19.9	6 20	18 40.60	-26 40.6	1.630	2.635	4.2	20.1
6 30	18 29.47	-27 49.9	1.444	2.459	2.0	19.7	6 30	18 29.54	-26 48.7	1.628	2.643	1.5	20.0
7 10	18 18.44	-27 53.1	1.441	2.438	6.0	19.9	7 10	18 18.76	-26 50.1	1.653	2.651	5.4	20.2
7 20	18 8.65	-27 48.1	1.462	2.417	10.6	20.1	7 20	18 9.42	-26 45.1	1.705	2.658	9.5	20.5
7 30	18 1.26	-27 36.7	1.505	2.396	14.8	20.3	7 30	18 2.42	-26 35.7	1.780	2.664	13.1	20.7
398267	2010 <i>TU</i> ₉₀		6 28.7 338°98	5°9/29.5	18		382779	2003 <i>SL</i> ₁₂₁		6 28.7 250°71	1°3/28.6	17	
5 21	18 53.45	-7 26.8	2.102	2.900	14.5	20.9	5 21	18 59.58	-26 35.6	1.935	2.761	14.6	21.5
5 31	18 49.96	-6 50.6	2.018	2.897	12.0	20.8	5 31	18 55.19	-26 39.2	1.849	2.756	11.5	21.2
6 10	18 44.52	-6 25.0	1.954	2.893	9.3	20.6	6 10	18 48.31	-26 41.9	1.783	2.751	7.9	21.0
6 20	18 37.61	-6 12.1	1.914	2.889	6.9	20.4	6 20	18 39.51	-26 41.5	1.741	2.747	3.9	20.8
6 30	18 29.94	-6 13.2	1.899	2.886	5.9	20.4	6 30	18 29.72	-26 36.1	1.727	2.742	1.4	20.6
7 10	18 22.34	-6 28.3	1.910	2.883	7.1	20.4	7 10	18 20.05	-26 25.1	1.739	2.737	5.1	20.8
7 20	18 15.62	-6 55.8	1.946	2.881	9.6	20.6	7 20	18 11.59	-26 9.1	1.777	2.732	9.0	21.0
7 30	18 10.49	-7 33.5	2.005	2.878	12.4	20.7	7 30	18 5.20	-25 49.9	1.839	2.727	12.6	21.2
299220	2005 <i>JA</i> ₇₈		6 28.7 1°94	0°2/28.6	18		491432	2012 <i>FS</i> ₁₄		6 28.7 141°73	19°4/25.2	18	
5 21	18 57.18	-21 48.9	1.970	2.796	14.3	20.3	5 21	19 25.88	-55 47.5	1.180	1.962	24.4	21.6
5 31	18 53.20	-22 15.9	1.888	2.796	11.3	20.1	5 31	19 21.90	-58 41.1	1.136	1.968	22.3	21.4
6 10	18 46.90	-22 47.5	1.826	2.796	7.6	19.9	6 10	19 10.31	-61 13.7	1.108	1.975	20.6	21.3
6 20	18 38.80	-23 21.2	1.790	2.796	3.6	19.6	6 20	18 51.35	-63 5.3	1.096	1.980	19.6	21.3
6 30	18 29.75	-23 54.4	1.780	2.796	0.6	19.4	6 30	18 27.79	-63 57.8	1.102	1.986	19.6	21.3
7 10	18 20.78	-24 24.9	1.797	2.796	4.8	19.7	7 10	18 4.72	-63 45.6	1.124	1.990	20.5	21.4
7 20	18 12.87	-24 51.4	1.840	2.797	8.7	20.0	7 20	17 46.90	-62 37.9	1.162	1.995	22.1	21.5
7 30	18 6.88	-25 13.5	1.908	2.797	12.2	20.2	7 30	17 36.82	-60 52.1	1.215	1.998	23.9	21.6
351441	2005 <i>JY</i> ₈		6 28.7 252°61	2°1/28.3	18		255979	2006 <i>TU</i> ₇₀		6 28.7 174°61	2°6/28.2	17	
5 21	18 59.59	-28 6.1	2.285	3.100	12.9	22.1	5 21	19 2.58	-27 23.6	1.792	2.616	15.6	21.0
5 31	18 55.00	-28 32.1	2.183	3.084	10.3	21.9	5 31	18 57.84	-28 7.7	1.712	2.618	12.3	20.8
6 10	18 48.12	-28 57.8	2.103	3.068	7.1	21.7	6 10	18 50.30	-28 53.1	1.652	2.619	8.5	20.6
6 20	18 39.41	-29 20.4	2.049	3.052	3.8	21.4	6 20	18 40.53	-29 35.3	1.618	2.620	4.6	20.3
6 30	18 29.66	-29 37.1	2.022	3.035	2.2	21.3	6 30	18 29.56	-30 9.9	1.609	2.621	2.8	20.2
7 10	18 19.86	-29 46.0	2.024	3.017	5.0	21.4	7 10	18 18.69	-30 34.1	1.628	2.621	6.0	20.4
7 20	18 10.99	-29 47.0	2.052	2.999	8.5	21.6	7 20	18 9.16	-30 47.2	1.672	2.621	9.9	20.7
7 30	18 3.92	-29 41.3	2.104	2.981	11.7	21.8	7 30	18 1.99	-30 51.0	1.739	2.621	13.6	20.9
353836	2012 <i>UV</i> ₁₄₇		6 28.7 222°44	0°1/28.7	18		46048	2001 <i>DJ</i> ₇₁		6 28.7 350°81	2°6/28.9	18	
5 21	18 58.44	-23 14.0	2.113	2.934	13.7	21.6	5 21	18 50.43	-18 27.0	1.048	1.923	20.6	17.9
5 31	18 54.01	-23 15.1	2.025	2.930	10.8	21.4	5 31	18 49.63	-18 12.7	0.978	1.913	16.5	17.6
6 10	18 47.35	-23 17.7	1.958	2.926	7.3	21.2	6 10	18 45.42	-18 6.7	0.925	1.905	11.5	17.3
6 20	18 38.99	-23 20.2	1.916	2.921	3.5	21.0	6 20	18 38.42	-18 9.6	0.891	1.898	6.1	17.0
6 30	18 29.75	-23 21.4	1.901	2.917	0.5	20.7	6 30	18 29.88	-18 20.7	0.878	1.893	2.7	16.8
7 10	18 20.60	-23 20.4	1.913	2.912	4.6	21.0	7 10	18 21.47	-18 38.2	0.887	1.890	7.3	17.1
7 20	18 12.48	-23 17.3	1.953	2.908	8.4	21.3	7 20	18 14.79	-19 0.5	0.916	1.888	12.8	17.3
7 30	18 6.21	-23 12.9	2.016	2.903	11.7	21.5	7 30	18 11.09	-19 25.5	0.963	1.889	17.8	17.6
39389	4191 <i>P-L</i>		6 28.7 337°49	7°3/27.9	18		481731	2008 <i>FU</i> ₁₀₁		6 28.7 339°73	2°1/28.2	18	
5 21	19 2.49	-43 26.3	2.191	2.986	14.1	19.1	5 21	18 56.46	-26 39.6	2.141	2.966	13.4	20.6
5 31	18 57.70	-44 10.7	2.112	2.983	11.9	18.9	5 31	18 52.61	-27 22.4	2.055	2.963	10.5	20.4
6 10	18 50.10	-44 45.1	2.054	2.981	9.6	18.8	6 10	18 46.52	-28 6.8	1.992	2.960	7.2	20.2
6 20	18 40.36	-45 3.9	2.019	2.978	7.8	18.7	6 20	18 38.68	-28 49.5	1.953	2.957	3.8	20.0
6 30	18 29.54	-45 2.8	2.009	2.976	7.3	18.6	6 30	18 29.88	-29 27.3	1.942	2.954	2.2	19.8
7 10	18 18.95	-44 40.7	2.024	2.974	8.5	18.7	7 10	18 21.11	-29 57.5	1.957	2.952	5.1	20.0
7 20	18 9.82	-43 59.5	2.064	2.972	10.6	18.8	7 20	18 13.33	-30 19.3	1.999	2.949	8.5	20.2
7 30	18 3.08	-43 3.8	2.127	2.971	12.9	19.0	7 30	18 7.38	-30 33.2	2.065	2.947	11.7	20.4
64294	2001 <i>UO</i> ₁₃		6 28.7 191°26	0°6/28.8	18		92070						

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
215007	2008 <i>DC</i> ₃₄		6 28.7 268°59	4.6/29.3	18		490842	2010 <i>WG</i> ₆₂		6 28.7 91°59	9.0/27.4	18	
5 21	18 54.87	-10 29.8	2.245	3.046	13.6	20.5	5 21	19 10.04	-14 17.7	1.119	1.951	22.5	20.3
5 31	18 51.00	-10 2.8	2.154	3.039	11.1	20.3	5 31	19 4.13	-11 44.2	1.063	1.966	18.3	20.0
6 10	18 45.22	-9 44.1	2.084	3.032	8.3	20.1	6 10	18 54.61	-9 14.0	1.026	1.982	13.8	19.8
6 20	18 38.00	-9 35.1	2.039	3.024	5.7	19.9	6 20	18 42.51	-6 55.9	1.011	1.997	10.1	19.7
6 30	18 29.99	-9 36.5	2.020	3.017	4.6	19.8	6 30	18 29.39	-4 59.9	1.020	2.011	9.1	19.7
7 10	18 22.04	-9 48.2	2.028	3.010	6.1	19.9	7 10	18 17.03	-3 32.9	1.053	2.026	11.7	19.9
7 20	18 14.91	-10 9.1	2.061	3.003	8.8	20.1	7 20	18 6.92	-2 37.2	1.109	2.040	15.5	20.1
7 30	18 9.30	-10 37.5	2.119	2.995	11.7	20.2	7 30	18 0.06	-2 10.5	1.183	2.054	19.3	20.4
160400	2004 <i>RO</i> ₅		6 28.7 6°73	1.0/28.4	17		41769	2000 <i>VH</i> ₃₇		6 28.7 220°83	1.0/28.4	18	
5 21	18 52.53	-19 42.9	0.923	1.805	22.2	19.0	5 21	19 0.41	-23 1.8	2.175	2.989	13.5	18.9
5 31	18 51.76	-20 48.5	0.865	1.805	17.5	18.7	5 31	18 55.70	-23 47.2	2.080	2.982	10.7	18.7
6 10	18 47.15	-22 9.6	0.823	1.806	12.0	18.4	6 10	18 48.65	-24 37.2	2.007	2.974	7.3	18.5
6 20	18 39.35	-23 40.8	0.799	1.809	5.7	18.1	6 20	18 39.75	-25 28.9	1.961	2.966	3.5	18.3
6 30	18 29.77	-25 13.3	0.797	1.813	1.4	17.8	6 30	18 29.77	-26 18.7	1.942	2.957	1.2	18.1
7 10	18 20.37	-26 38.2	0.815	1.819	7.6	18.2	7 10	18 19.71	-27 3.4	1.952	2.948	4.8	18.3
7 20	18 13.02	-27 49.6	0.854	1.827	13.6	18.5	7 20	18 10.59	-27 41.3	1.989	2.939	8.5	18.5
7 30	18 9.14	-28 45.5	0.911	1.836	18.7	18.9	7 30	18 3.29	-28 12.2	2.050	2.929	11.9	18.7
65648	1981 <i>ES</i> ₃₂		6 28.7 244°35	2.3/28.6	17		491607	2012 <i>TC</i> ₃₀		6 28.7 309°77	2.2/28.4	16	
5 21	19 3.70	-28 55.5	1.630	2.459	16.7	19.6	5 21	18 58.64	-27 33.1	1.760	2.593	15.5	21.9
5 31	18 59.08	-28 58.4	1.541	2.450	13.3	19.4	5 31	18 54.84	-27 56.4	1.675	2.587	12.2	21.7
6 10	18 51.33	-28 58.4	1.471	2.440	9.3	19.1	6 10	18 48.32	-28 19.6	1.611	2.580	8.5	21.5
6 20	18 41.10	-28 52.0	1.425	2.429	4.9	18.8	6 20	18 39.64	-28 39.4	1.570	2.574	4.4	21.2
6 30	18 29.51	-28 36.2	1.405	2.418	2.4	18.6	6 30	18 29.79	-28 52.6	1.555	2.568	2.3	21.1
7 10	18 18.03	-28 10.6	1.410	2.407	6.2	18.8	7 10	18 20.02	-28 57.4	1.565	2.562	5.7	21.3
7 20	18 8.05	-27 36.9	1.441	2.396	10.7	19.1	7 20	18 11.53	-28 53.8	1.601	2.556	9.9	21.5
7 30	18 0.71	-26 58.7	1.494	2.384	14.8	19.3	7 30	18 5.32	-28 43.7	1.660	2.551	13.6	21.7
180544	2004 <i>ET</i> ₁₅		6 28.7 86°61	0.4/28.7	17		144204	2004 <i>CF</i> ₇		6 28.7 266°94	2.6/29.2	18	
5 21	19 2.02	-22 18.3	1.599	2.430	16.9	20.9	5 21	18 56.23	-15 4.6	2.077	2.891	14.1	20.3
5 31	18 57.23	-22 17.2	1.536	2.447	13.2	20.7	5 31	18 52.32	-15 4.7	1.985	2.883	11.3	20.1
6 10	18 49.70	-22 19.0	1.493	2.463	9.0	20.5	6 10	18 46.28	-15 12.3	1.914	2.875	8.0	19.9
6 20	18 40.15	-22 21.7	1.473	2.479	4.3	20.3	6 20	18 38.57	-15 27.4	1.868	2.867	4.6	19.6
6 30	18 29.69	-22 23.7	1.479	2.496	0.7	20.1	6 30	18 29.96	-15 49.3	1.848	2.859	2.7	19.5
7 10	18 19.64	-22 24.1	1.512	2.512	5.4	20.4	7 10	18 21.35	-16 16.4	1.856	2.851	5.1	19.6
7 20	18 11.12	-22 23.0	1.569	2.527	9.8	20.7	7 20	18 13.66	-16 47.3	1.890	2.843	8.7	19.8
7 30	18 5.02	-22 21.3	1.650	2.543	13.5	21.0	7 30	18 7.68	-17 20.5	1.947	2.835	12.0	20.0
172863	2005 <i>EW</i> ₈₃		6 28.7 138°94	2.5/28.9	17		60997	2000 <i>KU</i> ₂₇		6 28.7 252°95	2.2/28.8	18	
5 21	19 1.93	-18 3.4	1.689	2.511	16.5	21.3	5 21	19 1.35	-19 20.8	1.550	2.380	17.3	19.2
5 31	18 57.07	-17 40.9	1.615	2.519	13.1	21.1	5 31	18 57.22	-18 58.3	1.458	2.368	13.9	19.0
6 10	18 49.58	-17 23.3	1.561	2.526	9.1	20.9	6 10	18 50.10	-18 39.6	1.386	2.354	9.7	18.7
6 20	18 40.11	-17 10.7	1.531	2.533	4.9	20.7	6 20	18 40.57	-18 24.6	1.337	2.341	5.1	18.4
6 30	18 29.70	-17 2.8	1.527	2.540	2.5	20.5	6 30	18 29.64	-18 13.0	1.313	2.327	2.3	18.2
7 10	18 19.55	-16 59.5	1.550	2.546	5.8	20.7	7 10	18 18.70	-18 4.9	1.314	2.313	6.3	18.4
7 20	18 10.77	-17 0.4	1.598	2.552	9.9	21.0	7 20	18 9.09	-18 0.4	1.340	2.298	11.1	18.6
7 30	18 4.25	-17 5.4	1.669	2.557	13.7	21.2	7 30	18 1.94	-17 59.9	1.388	2.283	15.5	18.9
85754	1998 <i>SJ</i> ₁₅₆		6 28.7 243°00	1.3/28.5	18		198306	2004 <i>TX</i> ₃₂₈		6 28.7 314°89	2.5/29.3	18	
5 21	18 56.65	-26 59.0	2.749	3.560	11.1	20.1	5 21	18 56.03	-14 43.4	1.573	2.405	17.0	19.7
5 31	18 52.21	-27 14.5	2.650	3.550	8.7	20.0	5 31	18 52.99	-15 7.0	1.483	2.392	13.7	19.4
6 10	18 45.97	-27 29.7	2.574	3.539	6.0	19.8	6 10	18 47.22	-15 43.3	1.413	2.379	9.7	19.2
6 20	18 38.34	-27 42.6	2.524	3.528	3.1	19.6	6 20	18 39.20	-16 31.8	1.365	2.367	5.3	18.9
6 30	18 29.97	-27 51.6	2.502	3.516	1.4	19.4	6 30	18 29.85	-17 29.8	1.342	2.355	2.5	18.7
7 10	18 21.62	-27 55.6	2.510	3.505	4.0	19.6	7 10	18 20.39	-18 33.7	1.344	2.344	6.0	18.9
7 20	18 14.03	-27 54.6	2.544	3.493	7.0	19.8	7 20	18 12.06	-19 39.5	1.372	2.333	10.6	19.1
7 30	18 7.87	-27 49.4	2.605	3.481	9.8	19.9	7 30	18 5.98	-20 43.8	1.421	2.323	14.8	19.3
490682	2010 <i>LT</i> ₂₈		6 28.7 306°82	8.2/27.8	18		300908	2008 <i>BV</i> ₄₃		6 28.7 169°75	2.9/29.2	16	
5 21	19 3.65	-45 12.8	2.111	2.902	14.7	21.1	5 21	18 56.04	-13 35.7	2.530	3.329	12.3	21.8
5 31	18 58.96	-46 2.8	2.027	2.892	12.5	20.9	5 31	18 51.64	-13 25.2	2.444	3.332	9.8	21.6
6 10	18 51.20	-46 41.9	1.962	2.881	10.4	20.7	6 10	18 45.51	-13 21.1	2.380	3.334	7.1	21.4
6 20	18 41.02	-47 3.8	1.920	2.871	8.7	20.6	6 20	18 38.10	-13 23.7	2.342	3.336	4.3	21.2
6 30	18 29.56	-47 3.2	1.902	2.861	8.3	20.6	6 30	18 30.04	-13 32.7	2.331	3.337	3.0	21.2
7 10	18 18.27	-46 38.5	1.909	2.851	9.4	20.6	7 10	18 22.08	-13 47.6	2.348	3.339	4.7	21.3
7 20	18 8.53	-45 51.9	1.940	2.842	11.5	20.7	7 20	18 14.90	-14 7.3	2.393	3.340	7.5	21.5
7 30	18 1.41	-44 48.4	1.993	2.833	13.8	20.8	7 30	18 9.13	-14 30.8	2.463	3.340	10.2	21.6
398904	2013 <i>CN</i> ₁₃₂		6 28.7 305°93	3.1/28.6	18		386436	2008 <i>WV</i> ₈		6 28.7 160°60	0.1/28.7	17	
5 21	18 58.85	-32 22.9	2.096	2.916	13.8	20.4	5 21	18 59.54	-22 26.1	2.373	3.183	12.7	22.6
5 31	18 54.64	-32 28.4	2.000	2.902	11.0	20.2	5 31	18 54.57	-22 39.0	2.289	3.189	9.9	22.5
6 10	18 47.97	-32 28.9	1.925	2.887	7.9	20.0	6 10	18 47.59	-22 54.2	2.228	3.194	6.7	22.3
6 20	18 39.40	-32 21.6	1.875	2.873	4.6	19.8	6 20	18 39.12	-23 10.0	2.193	3.199	3.2	22.0
6 30	18 29.81	-32 4.0	1.851	2.859	3.2	19.6	6 30	18 29.89	-23 24.7	2.187	3.203	0.5	21.8
7 10	18 20.32	-31 35.7	1.854	2.846	5.6	19.8	7 10	18 20.79	-23 37.1	2.208	3.207	4.1	22.1
7 20	18 11.98	-30 58.3	1.883	2.832	9.0	19.9	7 20	18 12.64	-23 46.9	2.258	3.210	7.6	22.3
7 30	18 5.67	-30 14.7	1.936	2.819	12.3	20.1	7 30	18 6.15	-23 54.2	2.333	3.213	10.6	22.5
149110	2002 <i>CO</i> ₂₁₆		6 28.7 188°47	2.0/29.1	18		276141	2002 <i></i>					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
336358	2008 <i>TQ</i> ₁₈₂	6 28.7 272°65		4.8/28.6 17			514999	2009 <i>ON</i> ₁₄	6 28.7 310°72		12.4/ 2.0 18		
5 21	18 58.38	-13 37.8	1.903	2.715	15.3	21.1	5 21	18 53.19	+13 17.0	2.248	2.939	16.5	20.7
5 31	18 54.24	-12 43.1	1.804	2.698	12.5	20.9	5 31	18 49.82	+14 5.7	2.157	2.921	15.3	20.5
6 10	18 47.72	-11 53.1	1.725	2.680	9.2	20.6	6 10	18 44.55	+14 33.1	2.083	2.903	14.0	20.4
6 20	18 39.32	-11 10.0	1.671	2.662	6.1	20.4	6 20	18 37.77	+14 34.3	2.027	2.885	12.9	20.3
6 30	18 29.85	-10 35.9	1.642	2.643	4.8	20.3	6 30	18 30.14	+14 5.7	1.992	2.868	12.4	20.2
7 10	18 20.36	-10 12.3	1.640	2.625	7.0	20.4	7 10	18 22.48	+13 6.8	1.979	2.850	12.6	20.2
7 20	18 11.85	-10 0.0	1.664	2.606	10.4	20.6	7 20	18 15.56	+11 40.0	1.987	2.833	13.6	20.2
7 30	18 5.24	-9 58.5	1.710	2.588	13.9	20.7	7 30	18 10.14	+9 50.2	2.017	2.817	15.1	20.3
498288	2007 <i>VH</i> ₇₁	6 28.7 145°29		12.9/27.8 18			286562	2002 <i>CW</i> ₁₈₆	6 28.7 186°11		1.5/28.5 18		
5 21	19 4.77	-3 9.9	1.278	2.079	21.9	20.8	5 21	18 58.16	-27 44.4	2.585	3.396	11.7	21.3
5 31	18 59.88	-0 44.9	1.216	2.085	18.9	20.6	5 31	18 53.43	-27 54.1	2.496	3.396	9.2	21.2
6 10	18 51.80	+1 26.0	1.172	2.091	15.8	20.4	6 10	18 46.81	-28 2.5	2.431	3.395	6.3	21.0
6 20	18 41.28	+3 13.3	1.149	2.097	13.6	20.3	6 20	18 38.76	-28 7.7	2.391	3.395	3.2	20.8
6 30	18 29.57	+4 28.4	1.147	2.101	13.0	20.3	6 30	18 30.01	-28 8.0	2.380	3.394	1.5	20.6
7 10	18 18.19	+5 6.9	1.168	2.106	14.4	20.4	7 10	18 21.37	-28 2.9	2.397	3.392	4.2	20.8
7 20	18 8.51	+10 10.1	1.210	2.110	17.0	20.5	7 20	18 13.63	-27 52.7	2.442	3.391	7.2	21.0
7 30	18 1.59	+4 43.1	1.269	2.113	19.8	20.7	7 30	18 7.45	-27 38.5	2.512	3.389	10.0	21.2
428190	2006 <i>UG</i> ₈₇	6 28.7 234°10		1.8/28.5 17			103627	2000 <i>CL</i> ₂₈	6 28.7 129°10		3.5/29.3 18		
5 21	19 2.13	-26 27.4	1.878	2.700	15.1	23.0	5 21	18 57.07	-13 11.0	2.119	2.926	14.1	20.2
5 31	18 57.47	-26 51.0	1.784	2.690	11.9	22.7	5 31	18 52.77	-12 57.9	2.040	2.932	11.3	20.0
6 10	18 50.09	-27 15.6	1.711	2.679	8.2	22.5	6 10	18 46.45	-12 52.8	1.982	2.937	8.2	19.8
6 20	18 40.52	-27 37.8	1.663	2.667	4.2	22.2	6 20	18 38.62	-12 55.9	1.948	2.943	5.0	19.6
6 30	18 29.70	-27 54.5	1.641	2.655	1.9	22.0	6 30	18 30.04	-13 7.2	1.942	2.948	3.5	19.5
7 10	18 18.85	-28 3.5	1.646	2.642	5.5	22.2	7 10	18 21.60	-13 25.8	1.962	2.953	5.4	19.7
7 20	18 9.20	-28 4.7	1.677	2.629	9.7	22.5	7 20	18 14.13	-13 50.3	2.010	2.958	8.6	19.9
7 30	18 1.76	-27 59.6	1.732	2.616	13.5	22.7	7 30	18 8.34	-14 19.2	2.081	2.963	11.6	20.1
83158	2001 <i>QB</i> ₂₇₃	6 28.7 173°71		6.3/27.7 18			64014	2001 <i>SG</i> ₁₄₁	6 28.7 171°17		1.5/28.6 18		
5 21	19 2.41	-39 11.8	2.124	2.929	14.1	19.5	5 21	19 4.19	-25 41.9	1.601	2.430	16.9	20.6
5 31	18 57.64	-40 4.6	2.045	2.929	11.7	19.3	5 31	18 59.34	-26 0.1	1.523	2.432	13.4	20.4
6 10	18 50.12	-40 50.4	1.988	2.929	9.1	19.1	6 10	18 51.44	-26 19.4	1.465	2.435	9.2	20.2
6 20	18 40.47	-41 23.6	1.955	2.930	6.9	19.0	6 20	18 41.16	-26 36.4	1.431	2.436	4.5	19.9
6 30	18 29.71	-41 39.7	1.948	2.930	6.3	19.0	6 30	18 29.65	-26 47.7	1.422	2.438	1.6	19.7
7 10	18 19.12	-41 36.9	1.967	2.930	7.8	19.1	7 10	18 18.33	-26 51.5	1.440	2.438	5.9	20.0
7 20	18 9.86	-41 16.4	2.010	2.930	10.2	19.2	7 20	18 8.54	-26 48.2	1.483	2.439	10.4	20.3
7 30	18 2.93	-40 42.0	2.077	2.930	12.8	19.4	7 30	18 1.36	-26 39.8	1.549	2.438	14.5	20.5
504853	2010 <i>TB</i> ₂₀	6 28.7 326°18		5.8/29.1 17			475515	2006 <i>SB</i> ₃₅₈	6 28.7 235°72		4.4/27.9 18		
5 21	18 52.69	-13 43.4	1.150	2.008	20.3	21.4	5 21	19 0.19	-34 38.2	2.315	3.126	13.0	21.9
5 31	18 51.24	-13 1.2	1.067	1.989	16.7	21.1	5 31	18 55.57	-35 22.4	2.228	3.121	10.5	21.7
6 10	18 46.52	-12 29.0	1.002	1.971	12.3	20.8	6 10	18 48.57	-36 2.8	2.162	3.115	7.7	21.5
6 20	18 39.04	-12 10.1	0.955	1.954	7.9	20.5	6 20	18 39.73	-36 35.2	2.121	3.110	5.3	21.3
6 30	18 29.91	-12 6.9	0.930	1.937	5.8	20.3	6 30	18 29.87	-36 55.9	2.108	3.104	4.5	21.3
7 10	18 20.66	-12 19.8	0.926	1.922	8.8	20.4	7 10	18 20.07	-37 3.0	2.121	3.098	6.2	21.4
7 20	18 12.89	-12 47.3	0.943	1.908	13.7	20.7	7 20	18 11.34	-36 56.7	2.160	3.093	9.0	21.5
7 30	18 7.94	-13 26.3	0.979	1.895	18.5	20.9	7 30	18 4.54	-36 39.5	2.224	3.087	11.7	21.7
381621	2008 <i>WJ</i> ₁₄₀	6 28.7 266°09		0.5/28.7 18			277540	2005 <i>YZ</i> ₄₆	6 28.7 122°95		1.2/29.0 17		
5 21	19 0.62	-23 47.8	2.002	2.821	14.4	21.2	5 21	19 0.46	-17 10.9	2.080	2.889	14.3	21.1
5 31	18 55.99	-23 22.2	1.899	2.804	11.4	20.9	5 31	18 55.50	-17 40.9	2.005	2.902	11.2	20.9
6 10	18 48.91	-22 55.5	1.819	2.787	7.8	20.7	6 10	18 48.34	-18 18.3	1.952	2.915	7.7	20.7
6 20	18 39.89	-22 26.9	1.763	2.769	3.8	20.4	6 20	18 39.54	-19 1.2	1.925	2.928	3.9	20.5
6 30	18 29.81	-21 56.0	1.735	2.751	0.7	20.1	6 30	18 29.91	-19 47.0	1.925	2.940	1.3	20.3
7 10	18 19.75	-21 23.5	1.734	2.733	5.0	20.4	7 10	18 20.45	-20 33.2	1.954	2.952	4.6	20.6
7 20	18 10.76	-20 50.7	1.760	2.714	9.1	20.6	7 20	18 12.04	-21 17.5	2.010	2.964	8.3	20.8
7 30	18 3.77	-20 19.6	1.809	2.696	12.9	20.8	7 30	18 5.48	-21 58.8	2.091	2.974	11.5	21.1
94623	2001 <i>WD</i> ₂	6 28.7 121°23		7.6/28.5 18			398618	2011 <i>YW</i> ₂₃	6 28.7 274°41		3.5/27.7 18		
5 21	19 6.04	-7 27.9	1.873	2.653	16.6	19.4	5 21	19 0.20	-30 57.9	2.452	3.262	12.3	21.1
5 31	18 59.66	-5 53.6	1.810	2.675	13.8	19.2	5 31	18 55.62	-31 50.8	2.340	3.236	9.9	20.8
6 10	18 50.98	-4 28.8	1.768	2.695	10.8	19.1	6 10	18 48.72	-32 44.0	2.250	3.209	7.1	20.6
6 20	18 40.69	-3 17.8	1.750	2.715	8.4	19.0	6 20	18 39.88	-33 33.5	2.186	3.182	4.5	20.4
6 30	18 29.72	-2 24.5	1.760	2.734	7.6	19.0	6 30	18 29.83	-34 15.1	2.150	3.154	3.6	20.3
7 10	18 19.15	-1 50.5	1.796	2.752	8.9	19.1	7 10	18 19.54	-34 46.0	2.143	3.126	5.7	20.4
7 20	18 9.91	-1 35.7	1.858	2.769	11.4	19.3	7 20	18 10.02	-35 4.9	2.162	3.097	8.8	20.5
7 30	18 2.75	-1 37.8	1.942	2.785	14.0	19.5	7 30	18 2.21	-35 12.7	2.205	3.068	11.8	20.7
63108	2000 <i>WB</i> ₁₅₄	6 28.7 290°76		5.0/28.0 18			245572	2005 <i>US</i> ₁₉₆	6 28.7 279°04		0.6/28.8 18		
5 21	18 59.95	-36 28.7	2.193	3.005	13.5	19.1	5 21	18 55.92	-21 2.4	2.288	3.107	12.8	21.2
5 31	18 55.57	-37 5.6	2.103	2.995	11.0	18.9	5 31	18 51.92	-21 4.6	2.197	3.100	10.1	21.0
6 10	18 48.66	-37 37.0	2.036	2.986	8.3	18.7	6 10	18 45.92	-21 9.7	2.127	3.094	6.9	20.8
6 20	18 39.77	-37 58.5	1.992	2.977	5.9	18.5	6 20	18 38.41	-21 16.7	2.083	3.088	3.4	20.6
6 30	18 29.83	-38 6.2	1.975	2.968	5.1	18.5	6 30	18 30.08	-21 24.5	2.066	3.082	0.8	20.4
7 10	18 19.96	-37 58.6	1.984	2.959	6.8	18.6	7 10	18 21.82	-21 32.2	2.077	3.076	4.3	20.6
7 20	18 11.27	-37 36.6	2.018	2.951	9.5	18.7	7 20	18 14.44	-21 39.4	2.115	3.070	7.8	20.8
7 30	18 4.67	-37 3.3	2.077	2.942	12.3	18.9	7 30	18 8.67	-21 46.0	2.177	3.065	11.0	21.0
257571	1998 <i>YW</i> ₂₀	6 28.7 124°97		1.2/28.9 17			233855	2008 <i>VG</i> ₂	6 28.7 306°46		1.0/28.6 18		

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
360989	2005 <i>UA</i> ₃₅₂		6 28.7 260°14	1°2/28.8	18		442167	2010 <i>VR</i> ₂₀₆		6 28.7 281°45	0°1/28.7	15	
5 21	18 56.92	-20 41.7	2.415	3.228	12.4	20.9	5 21	18 56.62	-23 20.8	2.389	3.206	12.4	22.2
5 31	18 52.56	-20 20.0	2.317	3.218	9.8	20.7	5 31	18 52.51	-23 17.8	2.284	3.187	9.8	21.9
6 10	18 46.29	-19 59.6	2.242	3.207	6.7	20.5	6 10	18 46.39	-23 15.8	2.201	3.168	6.7	21.7
6 20	18 38.57	-19 40.4	2.192	3.196	3.4	20.3	6 20	18 38.69	-23 13.5	2.144	3.149	3.2	21.5
6 30	18 30.08	-19 22.2	2.171	3.186	1.3	20.1	6 30	18 30.11	-23 10.0	2.114	3.130	0.5	21.2
7 10	18 21.66	-19 5.4	2.177	3.175	4.3	20.3	7 10	18 21.51	-23 4.8	2.112	3.111	4.2	21.5
7 20	18 14.08	-18 50.3	2.211	3.163	7.7	20.5	7 20	18 13.72	-22 57.8	2.137	3.092	7.8	21.7
7 30	18 8.04	-18 37.6	2.269	3.152	10.8	20.6	7 30	18 7.51	-22 49.8	2.187	3.072	11.0	21.8
424547	2008 <i>EB</i> ₁₅₂		6 28.7 148°47	3°6/29.1	17		250278	2003 <i>HC</i> ₁₉		6 28.7 110°13	0°1/28.7	18	
5 21	19 1.17	-13 59.2	1.976	2.780	15.1	22.5	5 21	18 57.09	-22 53.3	2.277	3.095	12.9	21.6
5 31	18 56.07	-13 37.2	1.899	2.790	12.1	22.3	5 31	18 52.78	-22 55.4	2.194	3.098	10.1	21.4
6 10	18 48.74	-13 22.6	1.843	2.799	8.7	22.2	6 10	18 46.47	-22 59.0	2.134	3.102	6.9	21.2
6 20	18 39.73	-13 15.8	1.812	2.807	5.3	22.0	6 20	18 38.68	-23 2.9	2.099	3.105	3.3	21.0
6 30	18 29.92	-13 16.9	1.808	2.814	3.6	21.9	6 30	18 30.14	-23 5.9	2.092	3.108	0.5	20.8
7 10	18 20.31	-13 25.4	1.831	2.821	5.8	22.0	7 10	18 21.74	-23 7.3	2.112	3.111	4.2	21.1
7 20	18 11.83	-13 40.3	1.881	2.828	9.2	22.2	7 20	18 14.31	-23 7.0	2.159	3.114	7.7	21.3
7 30	18 5.25	-14 0.5	1.954	2.833	12.4	22.5	7 30	18 8.54	-23 5.4	2.231	3.117	10.8	21.5
68038	2000 <i>YP</i> ₃₉		6 28.7 102°40	1°1/28.7	18		508847	2002 <i>CU</i> ₂₁₃		6 28.7 98°41	6°8/28.2	17	
5 21	19 1.59	-27 6.8	1.892	2.715	14.9	19.4	5 21	19 4.37	-43 50.3	2.402	3.187	13.3	21.4
5 31	18 56.67	-26 57.3	1.817	2.723	11.7	19.2	5 31	18 58.84	-44 30.8	2.332	3.196	11.2	21.3
6 10	18 49.24	-26 45.8	1.764	2.731	8.0	19.0	6 10	18 50.73	-45 1.1	2.283	3.205	9.0	21.1
6 20	18 39.99	-26 30.1	1.734	2.739	3.9	18.7	6 20	18 40.72	-45 16.3	2.258	3.214	7.3	21.0
6 30	18 29.89	-26 9.3	1.732	2.747	1.2	18.6	6 30	18 29.84	-45 12.9	2.258	3.223	6.8	21.0
7 10	18 20.11	-25 43.4	1.756	2.755	5.0	18.8	7 10	18 19.29	-44 50.2	2.285	3.232	7.8	21.1
7 20	18 11.67	-25 14.0	1.807	2.762	8.9	19.1	7 20	18 10.14	-44 10.3	2.337	3.241	9.7	21.2
7 30	18 5.39	-24 43.4	1.882	2.770	12.4	19.3	7 30	18 3.25	-43 17.5	2.412	3.249	11.8	21.4
251	<i>Sophia</i>		6 28.7 196°12	3°8/29.5	18 R		276882	2004 <i>RZ</i> ₂₇₃		6 28.7 270°89	0°1/28.7	17	
5 21	18 54.96	-10 22.7	2.606	3.397	12.2	15.4	5 21	18 58.82	-22 35.3	1.785	2.614	15.4	21.4
5 31	18 50.80	-10 11.6	2.516	3.396	9.9	15.2	5 31	18 54.89	-22 47.5	1.696	2.607	12.2	21.2
6 10	18 44.97	-10 8.7	2.448	3.394	7.4	15.0	6 10	18 48.34	-23 3.0	1.629	2.599	8.3	20.9
6 20	18 37.91	-10 14.6	2.406	3.392	4.9	14.9	6 20	18 39.73	-23 20.0	1.585	2.591	4.0	20.6
6 30	18 30.20	-10 29.2	2.390	3.389	3.8	14.8	6 30	18 29.97	-23 36.1	1.567	2.584	0.6	20.4
7 10	18 22.54	-10 51.9	2.403	3.387	5.2	14.9	7 10	18 20.25	-23 49.6	1.576	2.576	5.2	20.7
7 20	18 15.61	-11 21.3	2.443	3.384	7.6	15.0	7 20	18 11.70	-23 59.8	1.610	2.568	9.6	20.9
7 30	18 9.99	-11 55.9	2.508	3.381	10.2	15.2	7 30	18 5.30	-24 7.1	1.667	2.561	13.4	21.1
287198	2002 <i>SM</i> ₂₃		6 28.7 306°86	2°2/28.4	17		473326	2015 <i>TY</i> ₆		6 28.7 348°44	6°2/27.9	18	
5 21	18 57.64	-26 9.0	1.379	2.230	18.0	21.0	5 21	19 0.04	-38 52.2	2.042	2.855	14.4	20.6
5 31	18 55.14	-26 36.2	1.281	2.203	14.4	20.7	5 31	18 55.89	-39 35.9	1.963	2.852	11.8	20.5
6 10	18 49.27	-27 6.7	1.203	2.177	10.1	20.3	6 10	18 49.01	-40 12.3	1.904	2.849	9.1	20.3
6 20	18 40.47	-27 36.5	1.145	2.152	5.2	20.0	6 20	18 40.02	-40 36.1	1.869	2.847	6.9	20.1
6 30	18 29.76	-28 0.9	1.112	2.126	2.4	19.7	6 30	18 29.94	-40 43.2	1.859	2.845	6.2	20.1
7 10	18 18.76	-28 16.4	1.102	2.101	7.0	19.9	7 10	18 20.03	-40 31.9	1.875	2.843	7.7	20.2
7 20	18 9.11	-28 21.8	1.115	2.077	12.3	20.2	7 20	18 11.48	-40 3.8	1.915	2.842	10.3	20.3
7 30	18 2.31	-28 18.7	1.148	2.053	17.2	20.4	7 30	18 5.23	-39 22.7	1.978	2.841	13.0	20.5
218878	2007 <i>BK</i> ₄		6 28.7 262°29	2°7/28.4	18		394711	2008 <i>DP</i> ₈₇		6 28.7 54°82	0°7/28.8	15	
5 21	19 2.39	-28 43.1	1.836	2.659	15.3	21.1	5 21	18 56.38	-20 42.3	2.101	2.924	13.7	21.3
5 31	18 57.95	-29 7.8	1.734	2.640	12.2	20.8	5 31	18 52.34	-20 47.2	2.027	2.932	10.7	21.1
6 10	18 50.61	-29 32.0	1.653	2.620	8.6	20.6	6 10	18 46.22	-20 55.5	1.974	2.942	7.3	21.0
6 20	18 40.89	-29 52.0	1.597	2.599	4.7	20.3	6 20	18 38.56	-21 6.3	1.945	2.951	3.5	20.7
6 30	18 29.73	-30 3.8	1.566	2.578	2.8	20.1	6 30	18 30.17	-21 18.0	1.944	2.960	0.8	20.5
7 10	18 18.44	-30 5.1	1.562	2.557	6.1	20.3	7 10	18 21.95	-21 29.6	1.970	2.970	4.4	20.8
7 20	18 8.34	-29 56.2	1.584	2.535	10.3	20.5	7 20	18 14.77	-21 40.5	2.023	2.980	8.0	21.1
7 30	18 0.57	-29 39.3	1.629	2.512	14.2	20.7	7 30	18 9.34	-21 50.6	2.100	2.989	11.2	21.3
305322	2008 <i>AB</i> ₇₆		6 28.7 165°96	3°6/28.1	17		338839	2003 <i>WN</i> ₁₅₂		6 28.7 272°60	3°1/28.6	18	
5 21	19 0.95	-34 33.9	2.766	3.564	11.4	21.9	5 21	18 59.13	-17 43.7	2.011	2.826	14.5	20.5
5 31	18 55.62	-35 5.4	2.682	3.569	9.1	21.7	5 31	18 54.74	-16 55.5	1.910	2.809	11.6	20.3
6 10	18 48.31	-35 32.7	2.622	3.573	6.7	21.6	6 10	18 48.03	-16 9.1	1.831	2.792	8.3	20.0
6 20	18 39.52	-35 52.5	2.588	3.577	4.4	21.4	6 20	18 39.52	-15 25.5	1.776	2.775	4.8	19.8
6 30	18 29.98	-36 2.4	2.582	3.580	3.6	21.4	6 30	18 30.02	-14 46.1	1.748	2.758	3.1	19.6
7 10	18 20.58	-36 1.2	2.604	3.583	5.2	21.5	7 10	18 20.52	-14 12.5	1.748	2.740	5.8	19.8
7 20	18 12.13	-35 49.6	2.654	3.585	7.6	21.6	7 20	18 12.01	-13 45.8	1.774	2.723	9.5	19.9
7 30	18 5.33	-35 29.5	2.729	3.587	10.0	21.8	7 30	18 5.36	-13 26.8	1.824	2.705	13.0	20.1
211247	2002 <i>QN</i> ₈₀		6 28.7 186°73	2°0/28.6	18		258557	2002 <i>CP</i> ₆₅		6 28.7 62°39	5°3/30.8	18	
5 21	19 1.03	-29 28.1	2.427	3.236	12.5	21.5	5 21	18 56.06	- 4 25.8	2.275	3.052	14.1	20.1
5 31	18 55.83	-29 35.3	2.338	3.236	9.8	21.3	5 31	18 51.88	- 4 41.7	2.192	3.056	11.8	19.9
6 10	18 48.53	-29 39.7	2.272	3.235	6.8	21.1	6 10	18 45.84	- 5 12.4	2.130	3.060	9.1	19.8
6 20	18 39.64	-29 39.3	2.232	3.234	3.7	20.9	6 20	18 38.38	- 5 58.4	2.091	3.065	6.6	19.6
6 30	18 29.98	-29 32.0	2.220	3.232	2.1	20.8	6 30	18 30.19	- 6 58.9	2.080	3.069	5.3	19.6
7 10	18 20.46	-29 17.5	2.236	3.230	4.6	21.0	7 10	18 22.07	- 8 11.3	2.096	3.074	6.3	19.6
7 20	18 11.96	-28 56.5	2.280	3.228	7.8	21.2	7 20	18 14.78	- 9 32.1	2.139	3.078	8.7	19.8
7 30	18 5.22	-28 31.1	2.349	3.225	10.7	21.4	7 30	18 9.00	-10 57.3	2.208	3.083	11.3	20.0
429675	2011 <i>HO</i> ₁		6 28.7 9°43	0°3/28.8	17		432408	2010 <i>AZ</i> ₄					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
311536	2005 <i>YO</i> ₁₁₆		6 28.7 290°33	2°1/28.5 17			55448	2001 <i>TT</i> ₁₁₄		6 28.7 29°61	3°9/28.5 18		
5 21	19 0.18	-25 50.5	1.303	2.153	18.9	20.9	5 21	19 1.39	-30 11.6	1.169	2.025	20.2	18.0
5 31	18 57.33	-26 15.5	1.211	2.132	15.1	20.6	5 31	18 58.22	-30 35.4	1.107	2.030	16.1	17.7
6 10	18 50.88	-26 43.8	1.137	2.111	10.5	20.3	6 10	18 51.23	-30 56.0	1.063	2.036	11.3	17.5
6 20	18 41.31	-27 11.4	1.084	2.090	5.4	19.9	6 20	18 41.27	-31 7.8	1.039	2.042	6.3	17.2
6 30	18 29.76	-27 33.3	1.054	2.069	2.3	19.7	6 30	18 29.85	-31 6.1	1.038	2.049	4.0	17.1
7 10	18 17.94	-27 46.0	1.048	2.048	7.2	19.9	7 10	18 18.88	-30 49.8	1.059	2.057	7.7	17.3
7 20	18 7.66	-27 48.6	1.065	2.027	12.7	20.1	7 20	18 10.03	-30 21.1	1.103	2.064	12.5	17.6
7 30	18 0.43	-27 43.1	1.102	2.007	17.8	20.4	7 30	18 4.53	-29 45.0	1.167	2.073	16.9	17.9
104765	2000 <i>HN</i> ₂₃		6 28.7 13°00	4°3/29.6 18			35947	1999 <i>KT</i> ₅		6 28.7 253°47	8°0/28.9 18		
5 21	18 56.95	-12 5.1	1.506	2.334	17.9	19.4	5 21	18 57.46	-5 9.2	1.910	2.699	16.0	18.5
5 31	18 53.61	-12 3.8	1.431	2.335	14.5	19.1	5 31	18 53.43	-3 59.2	1.822	2.690	13.6	18.3
6 10	18 47.56	-12 15.7	1.375	2.336	10.5	18.9	6 10	18 47.15	-2 59.9	1.754	2.681	11.0	18.1
6 20	18 39.39	-12 41.3	1.341	2.338	6.5	18.7	6 20	18 39.13	-2 15.3	1.709	2.671	8.8	18.0
6 30	18 30.08	-13 19.6	1.331	2.339	4.3	18.6	6 30	18 30.16	-1 48.7	1.688	2.661	8.0	17.9
7 10	18 20.89	-14 7.9	1.347	2.342	6.8	18.7	7 10	18 21.21	-1 41.7	1.693	2.651	9.2	18.0
7 20	18 13.00	-15 2.8	1.386	2.344	10.8	18.9	7 20	18 13.23	-1 53.5	1.722	2.641	11.7	18.1
7 30	18 7.40	-16 0.8	1.448	2.347	14.7	19.2	7 30	18 7.06	-2 21.8	1.772	2.630	14.4	18.3
199823	2007 <i>DL</i> ₉₇		6 28.7 16°05	3°8/28.5 17			204513	2005 <i>EN</i> ₇		6 28.7 206°10	2°0/28.5 18		
5 21	18 57.63	-30 20.0	1.291	2.146	18.7	19.6	5 21	18 59.71	-27 51.0	2.103	2.923	13.7	20.9
5 31	18 54.89	-30 44.7	1.228	2.151	14.9	19.3	5 31	18 55.21	-28 11.5	2.017	2.921	10.9	20.7
6 10	18 48.76	-31 6.1	1.184	2.156	10.4	19.1	6 10	18 48.35	-28 31.3	1.953	2.919	7.5	20.5
6 20	18 40.02	-31 19.4	1.160	2.163	5.9	18.9	6 20	18 39.69	-28 47.5	1.914	2.917	3.9	20.3
6 30	18 30.00	-31 20.7	1.160	2.171	3.9	18.8	6 30	18 30.09	-28 57.7	1.902	2.915	2.1	20.2
7 10	18 20.37	-31 8.6	1.183	2.180	7.2	19.0	7 10	18 20.59	-29 0.3	1.917	2.913	5.0	20.4
7 20	18 12.59	-30 45.0	1.229	2.190	11.6	19.3	7 20	18 12.19	-28 55.7	1.959	2.910	8.6	20.6
7 30	18 7.76	-30 13.8	1.296	2.200	15.7	19.5	7 30	18 5.74	-28 45.3	2.025	2.907	11.9	20.8
235288	2003 <i>UQ</i> ₄₃		6 28.7 293°82	3°7/29.2 18			86086	1999 <i>RR</i> ₈₁		6 28.7 253°37	4°5/29.4 18		
5 21	18 56.74	-14 5.5	1.875	2.692	15.3	20.6	5 21	18 54.72	-9 49.0	2.452	3.246	12.8	20.0
5 31	18 52.92	-13 45.4	1.790	2.689	12.3	20.3	5 31	18 50.79	-9 23.5	2.358	3.238	10.5	19.8
6 10	18 46.82	-13 33.0	1.726	2.685	8.9	20.1	6 10	18 45.10	-9 6.1	2.286	3.230	7.9	19.6
6 20	18 38.95	-13 29.1	1.686	2.682	5.4	19.9	6 20	18 38.07	-8 58.1	2.239	3.221	5.5	19.4
6 30	18 30.16	-13 33.9	1.671	2.679	3.7	19.8	6 30	18 30.33	-9 0.1	2.218	3.213	4.5	19.4
7 10	18 21.45	-13 46.8	1.683	2.676	5.9	19.9	7 10	18 22.62	-9 12.0	2.224	3.205	5.8	19.4
7 20	18 13.79	-14 6.5	1.721	2.673	9.5	20.1	7 20	18 15.65	-9 32.7	2.257	3.196	8.3	19.6
7 30	18 8.01	-14 31.7	1.781	2.670	12.9	20.3	7 30	18 10.07	-10 0.9	2.315	3.187	11.0	19.7
283335	1998 <i>XN</i> ₆		6 28.7 284°20	0°3/28.7 18			398960	2013 <i>EQ</i> ₇		6 28.7 135°86	5°3/29.9 17		
5 21	18 57.94	-22 37.9	1.972	2.797	14.3	21.2	5 21	18 54.70	-5 47.5	2.568	3.345	12.7	21.3
5 31	18 54.12	-22 57.0	1.869	2.776	11.4	21.0	5 31	18 50.58	-5 24.2	2.487	3.350	10.6	21.2
6 10	18 47.84	-23 19.9	1.787	2.756	7.8	20.7	6 10	18 44.83	-5 11.3	2.428	3.356	8.3	21.0
6 20	18 39.55	-23 44.7	1.729	2.735	3.8	20.4	6 20	18 37.89	-5 10.1	2.393	3.361	6.2	20.9
6 30	18 30.06	-24 8.9	1.698	2.715	0.7	20.1	6 30	18 30.37	-5 21.2	2.385	3.367	5.3	20.9
7 10	18 20.44	-24 30.5	1.694	2.694	5.0	20.4	7 10	18 22.95	-5 44.1	2.403	3.372	6.2	20.9
7 20	18 11.76	-24 48.2	1.716	2.673	9.2	20.6	7 20	18 16.28	-6 17.2	2.449	3.376	8.3	21.1
7 30	18 5.01	-25 2.2	1.762	2.652	13.0	20.8	7 30	18 10.93	-6 58.4	2.519	3.381	10.5	21.2
299861	2006 <i>SK</i> ₂₆₈		6 28.7 354°98	1°0/28.7 17			252037	2000 <i>QW</i> ₁₀₉		6 28.7 293°42	0°8/28.9 18		
5 21	18 57.21	-25 58.0	1.818	2.651	15.0	20.1	5 21	18 56.82	-20 40.9	2.142	2.962	13.5	21.1
5 31	18 53.51	-25 57.0	1.737	2.649	11.8	19.9	5 31	18 53.03	-20 41.5	2.030	2.935	10.8	20.9
6 10	18 47.31	-25 55.5	1.676	2.647	8.1	19.7	6 10	18 47.00	-20 45.6	1.939	2.907	7.5	20.6
6 20	18 39.21	-25 51.5	1.640	2.646	3.9	19.4	6 20	18 39.14	-20 52.3	1.873	2.879	3.7	20.3
6 30	18 30.13	-25 43.5	1.629	2.645	1.1	19.2	6 30	18 30.17	-21 0.4	1.834	2.850	0.9	20.0
7 10	18 21.23	-25 31.0	1.645	2.644	5.1	19.5	7 10	18 21.04	-21 8.8	1.823	2.822	4.7	20.3
7 20	18 13.57	-25 14.7	1.686	2.644	9.2	19.8	7 20	18 12.72	-21 17.0	1.838	2.794	8.7	20.4
7 30	18 8.01	-24 56.2	1.750	2.645	12.8	20.0	7 30	18 6.11	-21 25.0	1.876	2.765	12.4	20.6
419770	2010 <i>VC</i> ₁₃₄		6 28.7 322°52	1°3/28.8 18			318539	2005 <i>FX</i> ₆		6 28.7 62°28	2°6/28.3 17		
5 21	18 53.48	-21 12.2	1.149	2.016	19.8	20.4	5 21	19 2.28	-25 38.7	1.358	2.202	18.6	20.6
5 31	18 52.20	-21 1.3	1.060	1.991	15.9	20.1	5 31	18 58.24	-26 32.2	1.300	2.217	14.6	20.4
6 10	18 47.45	-20 54.9	0.988	1.967	11.1	19.7	6 10	18 50.90	-27 28.9	1.261	2.233	10.0	20.2
6 20	18 39.68	-20 52.5	0.936	1.944	5.5	19.3	6 20	18 41.03	-28 23.2	1.244	2.249	5.2	20.0
6 30	18 30.02	-20 52.8	0.905	1.921	1.5	19.0	6 30	18 29.92	-29 9.3	1.252	2.265	2.8	19.9
7 10	18 20.13	-20 54.8	0.897	1.900	7.1	19.3	7 10	18 19.19	-29 43.5	1.285	2.282	6.7	20.1
7 20	18 11.76	-20 58.0	0.909	1.880	13.1	19.5	7 20	18 10.27	-30 5.0	1.341	2.298	11.2	20.4
7 30	18 6.41	-21 2.7	0.940	1.862	18.5	19.8	7 30	18 4.22	-30 15.8	1.419	2.314	15.2	20.7
511432	2014 <i>HL</i> ₂₀₁		6 28.7 356°04	0°7/28.4 17			5658	<i>Clausbaader</i>		6 28.7 249°16	0°2/28.7 18		
5 21	18 59.77	-18 40.0	1.972	2.789	14.7	20.3	5 21	18 58.82	-23 51.6	2.011	2.834	14.2	17.7
5 31	18 55.48	-20 9.8	1.884	2.787	11.5	20.1	5 31	18 54.54	-23 51.8	1.922	2.829	11.2	17.5
6 10	18 48.73	-21 51.1	1.818	2.786	7.9	19.9	6 10	18 47.93	-23 53.0	1.855	2.824	7.6	17.2
6 20	18 39.97	-23 39.7	1.779	2.785	3.7	19.6	6 20	18 39.51	-23 53.6	1.813	2.819	3.7	17.0
6 30	18 30.01	-25 29.4	1.768	2.784	1.0	19.4	6 30	18 30.15	-23 52.3	1.797	2.814	0.6	16.7
7 10	18 19.90	-27 13.9	1.786	2.784	5.1	19.7	7 10	18 20.88	-23 48.3	1.809	2.808	4.7	17.0
7 20	18 10.74	-28 48.6	1.833	2.784	9.1	19.9	7 20	18 12.69	-23 41.7	1.847	2.803	8.7	17.3
7 30	18 3.51	-30 11.0	1.904	2.784	12.6	20.2	7 30	18 6.44	-23 33.6	1.909	2.798	12.2	17.5
273984	2007 <i>LW</i> ₂₃		6 28.7 96°52	7°0/29.7 18			75493	1999 <i>XG</i> ₁₈₀					

EPHEMERIDES

6 28.7

6 28.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
482909	2014 <i>HD</i> ₃₈		6 28.7 344°04	16°6/26.9	16		484905	2009 <i>RB</i> ₄₅		6 28.8 240°09	4°5/29.4	18	
5 21	18 50.21	+11 12.7	1.657	2.397	20.0	19.9	5 21	18 53.64	- 8 29.5	2.782	3.566	11.7	21.5
5 31	18 48.18	+13 33.5	1.587	2.381	18.6	19.7	5 31	18 49.71	- 7 58.4	2.688	3.560	9.6	21.3
6 10	18 43.83	+15 33.1	1.533	2.367	17.5	19.6	6 10	18 44.26	- 7 34.8	2.617	3.554	7.4	21.2
6 20	18 37.64	+17 2.9	1.496	2.354	16.7	19.5	6 20	18 37.67	- 7 20.2	2.571	3.547	5.4	21.0
6 30	18 30.41	+17 55.7	1.478	2.342	16.6	19.5	6 30	18 30.48	- 7 15.3	2.553	3.541	4.5	21.0
7 10	18 23.17	+18 8.1	1.478	2.331	17.1	19.5	7 10	18 23.34	- 7 20.2	2.561	3.534	5.6	21.0
7 20	18 16.92	+17 40.9	1.495	2.322	18.2	19.5	7 20	18 16.84	- 7 34.3	2.597	3.528	7.7	21.2
7 30	18 12.56	+16 39.0	1.527	2.314	19.7	19.6	7 30	18 11.55	- 7 56.2	2.657	3.521	10.0	21.3
290718	2005 <i>UJ</i> ₄₂₇		6 28.7 349°47	1°7/28.8	18		160396	2004 <i>PY</i> ₈₄		6 28.8 305°98	6°7/29.7	18	
5 21	18 56.26	-19 48.5	2.154	2.974	13.5	20.1	5 21	18 55.37	-10 3.5	1.247	2.087	20.2	19.9
5 31	18 52.25	-19 23.5	2.068	2.972	10.6	19.9	5 31	18 53.27	- 9 35.6	1.156	2.065	16.8	19.6
6 10	18 46.19	-19 0.8	2.005	2.971	7.3	19.7	6 10	18 47.98	- 9 22.7	1.083	2.043	12.8	19.3
6 20	18 38.62	-18 40.5	1.966	2.969	3.8	19.5	6 20	18 39.93	- 9 28.4	1.029	2.021	8.7	19.0
6 30	18 30.29	-18 22.6	1.954	2.968	1.7	19.3	6 30	18 30.12	- 9 54.8	0.997	2.000	6.7	18.8
7 10	18 22.10	-18 7.5	1.970	2.968	4.6	19.5	7 10	18 20.02	-10 41.1	0.987	1.979	9.1	18.9
7 20	18 14.88	-17 55.4	2.012	2.967	8.2	19.8	7 20	18 11.20	-11 43.6	0.999	1.959	13.7	19.0
7 30	18 9.35	-17 46.6	2.079	2.967	11.4	20.0	7 30	18 5.04	-12 57.2	1.030	1.939	18.4	19.3
101475	1998 <i>WF</i> ₂₂		6 28.7 240°61	1°5/28.9	18		445351	2010 <i>NP</i> ₁₂		6 28.8 227°93	1°5/29.0	18	
5 21	19 0.36	-19 0.0	1.921	2.738	15.0	20.5	5 21	18 55.66	-17 46.6	2.602	3.409	11.8	22.2
5 31	18 55.92	-18 56.0	1.823	2.726	11.9	20.3	5 31	18 51.48	-17 46.1	2.507	3.403	9.3	22.0
6 10	18 49.01	-18 56.8	1.747	2.713	8.3	20.1	6 10	18 45.56	-17 50.0	2.435	3.397	6.5	21.8
6 20	18 40.11	-19 1.6	1.696	2.699	4.3	19.8	6 20	18 38.33	-17 57.7	2.389	3.391	3.4	21.6
6 30	18 30.08	-19 9.4	1.670	2.685	1.6	19.6	6 30	18 30.39	-18 8.5	2.371	3.384	1.6	21.4
7 10	18 20.01	-19 19.2	1.673	2.671	5.2	19.8	7 10	18 22.49	-18 21.7	2.381	3.378	4.0	21.6
7 20	18 10.97	-19 30.2	1.701	2.656	9.4	20.0	7 20	18 15.32	-18 36.6	2.418	3.371	7.1	21.8
7 30	18 3.92	-19 42.2	1.753	2.641	13.1	20.2	7 30	18 9.54	-18 52.5	2.482	3.364	10.0	22.0
199462	2006 <i>DZ</i> ₅₂		6 28.7 172°45	0°1/28.8	18		293836	2007 <i>RQ</i> ₂₀₆		6 28.8 291°30	0°2/28.8	16	
5 21	19 0.26	-22 41.2	2.139	2.955	13.7	21.3	5 21	18 57.56	-21 50.0	1.896	2.723	14.7	21.4
5 31	18 55.44	-22 43.8	2.055	2.957	10.8	21.1	5 31	18 53.77	-22 2.1	1.806	2.715	11.6	21.2
6 10	18 48.41	-22 48.2	1.992	2.959	7.3	20.9	6 10	18 47.55	-22 18.1	1.737	2.707	8.0	20.9
6 20	18 39.71	-22 53.0	1.955	2.960	3.5	20.7	6 20	18 39.42	-22 36.2	1.693	2.699	3.8	20.7
6 30	18 30.16	-22 56.8	1.945	2.962	0.5	20.4	6 30	18 30.22	-22 54.4	1.674	2.691	0.6	20.4
7 10	18 20.75	-22 58.6	1.963	2.962	4.5	20.7	7 10	18 21.05	-23 10.9	1.683	2.683	4.9	20.7
7 20	18 12.39	-22 58.5	2.008	2.963	8.2	20.9	7 20	18 12.95	-23 25.0	1.717	2.675	9.1	20.9
7 30	18 5.87	-22 57.0	2.078	2.963	11.5	21.2	7 30	18 6.83	-23 36.7	1.774	2.667	12.8	21.1
98608	2000 <i>WL</i> ₇₅		6 28.8 246°07	2°3/28.6	17		247462	2002 <i>GO</i> ₁₄₀		6 28.8 313°92	5°3/29.0	18	
5 21	19 2.88	-27 54.7	1.588	2.420	16.9	20.5	5 21	18 54.64	-14 20.0	1.250	2.100	19.5	19.9
5 31	18 58.60	-28 10.1	1.501	2.412	13.4	20.3	5 31	18 52.71	-13 39.5	1.159	2.076	16.0	19.6
6 10	18 51.19	-28 24.7	1.434	2.404	9.4	20.0	6 10	18 47.59	-13 7.4	1.085	2.053	11.8	19.3
6 20	18 41.26	-28 34.7	1.391	2.395	4.9	19.7	6 20	18 39.73	-12 46.4	1.031	2.030	7.5	18.9
6 30	18 29.93	-28 36.6	1.372	2.386	2.4	19.5	6 30	18 30.15	-12 38.8	0.999	2.007	5.4	18.8
7 10	18 18.66	-28 28.7	1.379	2.377	6.2	19.8	7 10	18 20.35	-12 45.3	0.990	1.985	8.4	18.8
7 20	18 8.88	-28 12.1	1.411	2.367	10.8	20.0	7 20	18 11.87	-13 5.1	1.002	1.964	13.3	19.0
7 30	18 1.74	-27 49.4	1.466	2.358	15.0	20.2	7 30	18 6.07	-13 36.1	1.033	1.944	18.2	19.3
429571	2011 <i>DL</i> ₄₂		6 28.8 109°55	5°4/28.3	17		471646	2012 <i>TS</i> ₉₇		6 28.8 295°26	8°6/28.6	18	
5 21	19 5.60	-36 25.3	1.901	2.712	15.3	21.1	5 21	18 56.02	- 5 18.1	1.792	2.589	16.6	21.5
5 31	19 0.18	-37 6.5	1.833	2.725	12.4	20.9	5 31	18 52.64	- 4 3.5	1.693	2.566	14.2	21.3
6 10	18 51.87	-37 40.9	1.787	2.738	9.2	20.8	6 10	18 46.86	- 2 58.9	1.614	2.544	11.6	21.1
6 20	18 41.41	-38 3.1	1.765	2.751	6.4	20.6	6 20	18 39.14	- 2 8.9	1.557	2.521	9.4	20.9
6 30	18 29.93	-38 8.9	1.769	2.763	5.5	20.6	6 30	18 30.27	- 1 37.8	1.524	2.498	8.6	20.8
7 10	18 18.82	-37 57.2	1.799	2.775	7.3	20.7	7 10	18 21.26	- 1 27.8	1.516	2.475	10.0	20.8
7 20	18 9.29	-37 30.0	1.854	2.787	10.2	20.9	7 20	18 13.18	- 1 38.9	1.530	2.452	12.6	20.9
7 30	18 2.29	-36 51.6	1.932	2.798	13.1	21.1	7 30	18 6.97	- 2 8.8	1.566	2.430	15.7	21.1
231854	2000 <i>SE</i> ₁₃₀		6 28.8 333°01	1°8/28.6	18		303210	2004 <i>HV</i> ₅₈		6 28.8 33°65	0°5/28.7	17	
5 21	18 59.21	-23 21.4	1.438	2.282	17.8	19.5	5 21	18 56.99	-23 41.3	1.806	2.639	15.1	20.6
5 31	18 55.70	-22 20.5	1.354	2.272	14.1	19.2	5 31	18 53.26	-23 54.6	1.736	2.648	11.9	20.4
6 10	18 49.16	-21 16.0	1.289	2.262	9.8	19.0	6 10	18 47.11	-24 10.1	1.686	2.657	8.0	20.2
6 20	18 40.24	-20 8.8	1.247	2.253	4.9	18.7	6 20	18 39.15	-24 25.6	1.661	2.667	3.8	20.0
6 30	18 30.09	-19 1.0	1.230	2.245	2.0	18.4	6 30	18 30.31	-24 39.0	1.661	2.677	0.8	19.8
7 10	18 20.15	-17 55.9	1.237	2.237	6.4	18.7	7 10	18 21.70	-24 48.9	1.688	2.688	4.9	20.1
7 20	18 11.74	-16 57.0	1.269	2.230	11.3	19.0	7 20	18 14.33	-24 55.1	1.740	2.699	8.9	20.4
7 30	18 5.91	-16 7.4	1.322	2.224	15.7	19.2	7 30	18 9.02	-24 58.0	1.815	2.710	12.4	20.6
404839	2014 <i>JC</i> ₇₈		6 28.8 110°16	4°5/30.1	18		123356	2000 <i>WX</i> ₁₅		6 28.8 286°54	1°4/28.8	18	
5 21	18 55.31	- 8 0.7	2.345	3.134	13.4	21.1	5 21	18 58.51	-20 45.2	1.759	2.588	15.6	19.5
5 31	18 51.29	- 8 3.6	2.260	3.136	11.0	20.9	5 31	18 54.69	-20 27.5	1.667	2.576	12.4	19.3
6 10	18 45.47	- 8 17.9	2.197	3.139	8.3	20.8	6 10	18 48.28	-20 12.4	1.595	2.564	8.6	19.0
6 20	18 38.28	- 8 44.0	2.159	3.141	5.7	20.6	6 20	18 39.81	-19 59.4	1.547	2.552	4.3	18.8
6 30	18 30.39	- 9 21.6	2.147	3.143	4.5	20.5	6 30	18 30.21	-19 48.0	1.525	2.540	1.5	18.5
7 10	18 22.56	-10 8.9	2.162	3.145	5.7	20.6	7 10	18 20.64	-19 38.1	1.529	2.528	5.4	18.8
7 20	18 15.53	-11 3.5	2.205	3.148	8.3	20.8	7 20	18 12.22	-19 30.0	1.558	2.516	9.8	19.0
7 30	18 9.95	-12 2.8	2.273	3.150	11.0	21.0	7 30	18 5.93	-19 24.2	1.610	2.505	13.7	19.2
431949	2008 <i>UH</i> ₃₇		6 28.8 294°82	5°2/27.8	17								

EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
129896	1999 <i>TP</i> ₃₅		6 28.8 273°61	15°3/28.7	18		120155	2003 <i>HS</i> ₈		6 28.8 20°15	0°2/28.8	18	
5 21	18 55.92	+16 27.0	2.086	2.757	18.2	19.9	5 21	18 55.98	-21 54.3	1.931	2.760	14.4	19.9
5 31	18 52.25	+18 12.7	2.005	2.741	17.1	19.8	5 31	18 52.35	-22 2.0	1.854	2.764	11.3	19.7
6 10	18 46.43	+19 37.2	1.941	2.724	16.2	19.7	6 10	18 46.46	-22 12.9	1.798	2.768	7.7	19.5
6 20	18 38.89	+20 33.6	1.893	2.707	15.5	19.6	6 20	18 38.86	-22 25.5	1.766	2.772	3.7	19.3
6 30	18 30.35	+20 56.4	1.865	2.689	15.3	19.5	6 30	18 30.41	-22 38.1	1.761	2.777	0.6	19.1
7 10	18 21.73	+20 43.3	1.855	2.672	15.6	19.5	7 10	18 22.11	-22 49.5	1.782	2.783	4.7	19.4
7 20	18 13.94	+19 55.3	1.864	2.655	16.5	19.6	7 20	18 14.92	-22 59.0	1.829	2.788	8.5	19.6
7 30	18 7.82	+18 36.7	1.890	2.637	17.7	19.6	7 30	18 9.61	-23 6.9	1.900	2.794	12.0	19.8
358412	2007 <i>CN</i> ₁₂		6 28.8 206°27	8°1/1.6	18		50244	2000 <i>BG</i> ₁₄		6 28.8 268°20	0°9/28.7	18	
5 21	18 54.99	+ 6 1.2	2.790	3.504	13.2	21.0	5 21	19 1.20	-24 38.0	1.722	2.551	15.9	19.6
5 31	18 50.75	+ 6 21.7	2.701	3.501	11.6	20.9	5 31	18 57.14	-24 49.6	1.622	2.532	12.7	19.3
6 10	18 44.97	+ 6 26.6	2.632	3.497	10.1	20.8	6 10	18 50.19	-25 3.3	1.543	2.513	8.8	19.0
6 20	18 38.03	+ 6 13.4	2.586	3.493	8.7	20.7	6 20	18 40.87	-25 16.3	1.488	2.494	4.3	18.7
6 30	18 30.49	+ 5 41.0	2.564	3.489	8.1	20.6	6 30	18 30.11	-25 25.9	1.458	2.474	1.1	18.4
7 10	18 22.98	+ 4 50.1	2.568	3.484	8.4	20.6	7 10	18 19.21	-25 30.3	1.454	2.454	5.7	18.7
7 20	18 16.12	+ 3 42.8	2.597	3.480	9.6	20.7	7 20	18 9.50	-25 29.2	1.476	2.433	10.3	18.9
7 30	18 10.47	+ 2 22.7	2.651	3.474	11.2	20.8	7 30	18 2.12	-25 23.9	1.521	2.413	14.5	19.1
216920	1996 <i>GW</i> ₉		6 28.8 38°05	2°7/29.2	16		514682	2005 <i>WW</i> ₁₃₈		6 28.8 221°78	0°5/28.7	18	
5 21	18 55.07	-15 48.4	2.104	2.922	13.8	20.9	5 21	18 56.97	-24 19.0	2.793	3.602	11.0	22.8
5 31	18 51.30	-15 34.8	2.029	2.929	11.0	20.8	5 31	18 52.48	-24 30.1	2.696	3.594	8.7	22.6
6 10	18 45.55	-15 27.2	1.976	2.937	7.8	20.6	6 10	18 46.24	-24 42.1	2.621	3.586	5.9	22.4
6 20	18 38.35	-15 25.9	1.946	2.946	4.4	20.4	6 20	18 38.69	-24 53.6	2.573	3.578	2.8	22.2
6 30	18 30.45	-15 30.6	1.944	2.954	2.7	20.3	6 30	18 30.44	-25 3.0	2.554	3.570	0.7	22.0
7 10	18 22.71	-15 40.6	1.968	2.963	4.9	20.4	7 10	18 22.21	-25 9.6	2.563	3.561	3.7	22.3
7 20	18 15.95	-15 55.0	2.018	2.972	8.2	20.7	7 20	18 14.71	-25 13.0	2.601	3.552	6.7	22.4
7 30	18 10.84	-16 12.8	2.093	2.981	11.3	20.9	7 30	18 8.58	-25 13.7	2.664	3.543	9.5	22.6
380545	2004 <i>NL</i> ₂₂		6 28.8 333°87	3°5/28.3	17		155708	2000 <i>QD</i> ₁₃₈		6 28.8 299°92	1°7/28.5	18	
5 21	18 56.06	-28 19.4	1.337	2.193	18.2	19.8	5 21	18 58.50	-25 40.8	1.619	2.457	16.4	20.2
5 31	18 53.89	-28 58.8	1.256	2.179	14.5	19.5	5 31	18 55.30	-26 2.9	1.518	2.433	13.1	19.9
6 10	18 48.39	-29 39.6	1.192	2.167	10.2	19.2	6 10	18 49.12	-26 27.4	1.438	2.410	9.1	19.6
6 20	18 40.10	-30 16.8	1.151	2.155	5.7	18.9	6 20	18 40.42	-26 51.2	1.380	2.386	4.6	19.3
6 30	18 30.17	-30 44.9	1.132	2.144	3.6	18.8	6 30	18 30.16	-27 10.7	1.347	2.362	1.8	19.0
7 10	18 20.23	-31 0.3	1.137	2.134	7.3	19.0	7 10	18 19.69	-27 23.2	1.340	2.339	6.1	19.3
7 20	18 11.85	-31 2.6	1.164	2.125	12.1	19.2	7 20	18 10.41	-27 27.9	1.357	2.316	10.9	19.5
7 30	18 6.36	-30 54.0	1.212	2.117	16.5	19.4	7 30	18 3.55	-27 26.0	1.395	2.293	15.2	19.7
56988	2000 <i>SV</i> ₂₄₁		6 28.8 230°74	4°4/28.1	18		189798	2002 <i>GH</i> ₁₃₁		6 28.8 321°61	0°3/28.7	18	
5 21	19 0.45	-34 55.4	2.297	3.106	13.1	19.6	5 21	18 57.77	-23 22.1	1.674	2.510	16.0	20.3
5 31	18 55.82	-35 32.4	2.211	3.103	10.5	19.5	5 31	18 54.28	-23 30.0	1.589	2.503	12.6	20.0
6 10	18 48.82	-36 4.9	2.147	3.100	7.8	19.3	6 10	18 48.10	-23 40.5	1.525	2.496	8.7	19.8
6 20	18 40.00	-36 29.0	2.108	3.097	5.3	19.1	6 20	18 39.77	-23 51.7	1.483	2.490	4.2	19.5
6 30	18 30.21	-36 41.1	2.096	3.093	4.4	19.0	6 30	18 30.28	-24 1.3	1.467	2.484	0.7	19.2
7 10	18 20.52	-36 39.7	2.111	3.090	6.2	19.2	7 10	18 20.85	-24 7.8	1.477	2.478	5.4	19.6
7 20	18 11.94	-36 25.6	2.152	3.086	8.9	19.3	7 20	18 12.69	-24 11.0	1.512	2.472	9.8	19.8
7 30	18 5.31	-36 1.2	2.217	3.083	11.6	19.5	7 30	18 6.77	-24 11.5	1.569	2.467	13.8	20.0
376859	2001 <i>SS</i> ₃₁₆		6 28.8 223°04	2°8/28.5	18		516688	2008 <i>TA</i> ₁₉₂		6 28.8 185°34	1°2/28.5	17	
5 21	19 4.16	-31 6.6	2.313	3.118	13.1	22.0	5 21	18 59.98	-24 50.3	2.102	2.920	13.8	22.1
5 31	18 58.65	-31 22.5	2.213	3.106	10.5	21.8	5 31	18 55.43	-25 19.3	2.016	2.920	10.9	21.9
6 10	18 50.73	-31 35.3	2.135	3.094	7.4	21.5	6 10	18 48.56	-25 50.3	1.953	2.920	7.4	21.7
6 20	18 40.92	-31 41.6	2.083	3.081	4.3	21.3	6 20	18 39.90	-26 20.6	1.915	2.920	3.7	21.5
6 30	18 30.08	-31 38.7	2.058	3.067	2.8	21.2	6 30	18 30.27	-26 47.4	1.904	2.919	1.4	21.3
7 10	18 19.28	-31 25.7	2.063	3.053	5.2	21.3	7 10	18 20.70	-27 8.6	1.920	2.918	4.8	21.6
7 20	18 9.53	-31 3.3	2.094	3.038	8.6	21.5	7 20	18 12.19	-27 23.5	1.964	2.916	8.5	21.8
7 30	18 1.72	-30 34.0	2.151	3.022	11.7	21.7	7 30	18 5.58	-27 32.8	2.031	2.915	11.8	22.0
17504	1992 <i>GB</i> ₂		6 28.8 104°05	2°6/29.0	17		173639	2001 <i>FH</i> ₁₃₃		6 28.8 38°18	1°6/28.5	17	
5 21	19 1.72	-17 48.2	1.484	2.315	17.9	18.6	5 21	18 59.67	-24 37.8	1.319	2.169	18.7	19.6
5 31	18 57.35	-17 30.0	1.415	2.324	14.2	18.4	5 31	18 56.33	-25 10.0	1.256	2.177	14.7	19.4
6 10	18 50.09	-17 18.2	1.366	2.333	9.9	18.2	6 10	18 49.73	-25 45.7	1.211	2.186	10.0	19.2
6 20	18 40.64	-17 12.7	1.339	2.342	5.3	17.9	6 20	18 40.59	-26 20.7	1.188	2.195	4.9	18.9
6 30	18 30.14	-17 13.0	1.337	2.350	2.7	17.8	6 30	18 30.17	-26 50.7	1.189	2.205	1.8	18.7
7 10	18 19.93	-17 18.1	1.361	2.359	6.2	18.0	7 10	18 20.07	-27 12.7	1.215	2.215	6.4	19.0
7 20	18 11.25	-17 27.4	1.409	2.367	10.6	18.3	7 20	18 11.71	-27 26.0	1.264	2.226	11.2	19.3
7 30	18 5.06	-17 40.3	1.479	2.375	14.6	18.5	7 30	18 6.18	-27 32.0	1.333	2.237	15.4	19.6
92712	2000 <i>QQ</i> ₈₈		6 28.8 214°56	7°8/30.0	18		246640	2008 <i>YR</i> ₄		6 28.8 350°93	0°2/28.8	17	
5 21	18 57.44	- 2 19.2	2.066	2.838	15.5	20.5	5 21	18 56.80	-22 26.1	1.147	2.010	20.1	19.9
5 31	18 53.25	- 1 37.1	1.979	2.833	13.2	20.3	5 31	18 54.63	-22 39.7	1.076	2.005	15.9	19.6
6 10	18 46.97	- 1 8.8	1.912	2.828	10.8	20.1	6 10	18 48.94	-22 59.0	1.023	2.001	10.9	19.3
6 20	18 39.10	- 0 57.5	1.868	2.822	8.7	20.0	6 20	18 40.37	-23 21.3	0.990	1.998	5.3	19.0
6 30	18 30.35	- 1 5.2	1.849	2.816	7.8	19.9	6 30	18 30.21	-23 43.3	0.980	1.996	0.8	18.7
7 10	18 21.64	- 1 31.8	1.855	2.810	8.7	20.0	7 10	18 20.20	-24 1.9	0.992	1.995	6.7	19.1
7 20	18 13.82	- 2 15.3	1.886	2.803	10.9	20.1	7 20	18 11.97	-24 16.1	1.026	1.994	12.3	19.4
7 30	18 7.67	- 3 12.3	1.940	2.796	13.4	20.2	7 30	18 6.81	-24 26.3	1.079	1.995	17.2	19.7
392425	2010 <i>NG</i> ₈₂		6 28.8 338°23	8°2/29.6	17								

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
489023	2005 <i>WO</i> ₄₅		6 28.8 162°87	0°4/28.7	17		134897	2000 <i>WM</i> ₁₃		6 28.8 330°21	9°8/25.9	18	
5 21	19 1.84	-23 48.5	2.403	3.209	12.7	23.5	5 21	19 2.47	-14 27.1	1.207	2.047	20.7	18.8
5 31	18 56.44	-24 0.6	2.319	3.216	9.9	23.3	5 31	18 58.67	-11 33.3	1.127	2.034	17.2	18.5
6 10	18 48.99	-24 13.9	2.258	3.222	6.7	23.1	6 10	18 51.45	-8 33.6	1.066	2.022	13.4	18.2
6 20	18 40.02	-24 26.6	2.223	3.228	3.2	22.9	6 20	18 41.51	-5 37.7	1.028	2.010	10.5	18.0
6 30	18 30.29	-24 36.9	2.216	3.233	0.6	22.7	6 30	18 30.12	-2 58.2	1.015	2.000	10.1	18.0
7 10	18 20.69	-24 43.7	2.239	3.237	4.1	23.0	7 10	18 18.90	-0 46.5	1.025	1.990	12.8	18.1
7 20	18 12.07	-24 47.0	2.289	3.240	7.5	23.2	7 20	18 9.39	+0 50.6	1.057	1.981	16.8	18.3
7 30	18 5.15	-24 47.4	2.365	3.243	10.6	23.4	7 30	18 2.78	+1 52.3	1.107	1.973	20.6	18.5
276022	2002 <i>AZ</i> ₂₇		6 28.8 248°05	2°1/28.4	18		408883	2001 <i>TO</i> ₂₄₈		6 28.8 263°25	0°5/28.9	17	
5 21	19 2.09	-27 39.4	2.105	2.920	13.9	20.7	5 21	19 1.28	-21 19.5	1.456	2.293	17.9	22.4
5 31	18 57.35	-28 6.0	2.002	2.903	11.1	20.5	5 31	18 57.59	-21 25.2	1.366	2.280	14.3	22.2
6 10	18 50.07	-28 32.9	1.921	2.885	7.7	20.3	6 10	18 50.73	-21 36.1	1.296	2.268	9.9	21.9
6 20	18 40.73	-28 57.0	1.864	2.867	4.1	20.0	6 20	18 41.22	-21 50.3	1.248	2.254	4.8	21.6
6 30	18 30.17	-29 14.8	1.835	2.848	2.2	19.8	6 30	18 30.16	-22 5.5	1.225	2.241	0.8	21.2
7 10	18 19.50	-29 24.4	1.834	2.828	5.3	20.0	7 10	18 19.01	-22 19.4	1.226	2.227	6.1	21.6
7 20	18 9.83	-29 25.5	1.859	2.808	9.1	20.2	7 20	18 9.26	-22 31.3	1.252	2.214	11.3	21.8
7 30	18 2.16	-29 19.4	1.908	2.787	12.6	20.4	7 30	18 2.15	-22 41.3	1.299	2.200	15.9	22.0
136893	1998 <i>HK</i> ₂₅		6 28.8 163°18	0°3/28.7	18		306393	1995 <i>MO</i> ₂		6 28.8 276°14	2°4/28.9	18	
5 21	18 57.93	-23 16.7	2.564	3.374	11.8	21.7	5 21	18 59.16	-17 48.3	1.970	2.787	14.7	20.9
5 31	18 53.31	-23 31.6	2.478	3.378	9.3	21.5	5 31	18 55.06	-17 28.7	1.861	2.762	11.8	20.7
6 10	18 46.84	-23 48.2	2.416	3.381	6.3	21.3	6 10	18 48.54	-17 13.2	1.773	2.736	8.3	20.4
6 20	18 38.99	-24 4.9	2.379	3.384	3.0	21.1	6 20	18 40.04	-17 2.0	1.709	2.711	4.6	20.1
6 30	18 30.44	-24 20.1	2.371	3.387	0.5	20.9	6 30	18 30.33	-16 55.1	1.672	2.684	2.4	19.9
7 10	18 21.98	-24 32.7	2.391	3.389	3.9	21.2	7 10	18 20.46	-16 52.2	1.661	2.658	5.5	20.1
7 20	18 14.37	-24 42.1	2.439	3.391	7.1	21.4	7 20	18 11.49	-16 53.4	1.677	2.631	9.6	20.3
7 30	18 8.26	-24 48.8	2.513	3.393	9.9	21.6	7 30	18 4.39	-16 58.5	1.716	2.604	13.4	20.4
251920	1999 <i>VR</i> ₁₆₅		6 28.8 141°25	3°8/29.0	18		85725	1998 <i>SV</i> ₆₈		6 28.8 237°31	0°8/28.8	18	
5 21	18 56.17	-11 53.7	2.774	3.563	11.6	20.8	5 21	19 1.51	-22 13.7	1.763	2.587	15.8	20.0
5 31	18 51.59	-11 12.6	2.691	3.570	9.4	20.6	5 31	18 57.05	-21 57.5	1.673	2.580	12.5	19.7
6 10	18 45.49	-10 36.9	2.632	3.577	6.9	20.5	6 10	18 49.91	-21 42.7	1.603	2.572	8.6	19.5
6 20	18 38.28	-10 7.9	2.599	3.583	4.7	20.4	6 20	18 40.65	-21 28.3	1.558	2.563	4.2	19.2
6 30	18 30.54	-9 46.4	2.593	3.590	3.8	20.3	6 30	18 30.26	-21 13.6	1.539	2.555	1.0	18.9
7 10	18 22.95	-9 32.9	2.616	3.596	5.1	20.4	7 10	18 19.94	-20 58.4	1.546	2.546	5.3	19.2
7 20	18 16.09	-9 27.3	2.667	3.602	7.4	20.5	7 20	18 10.87	-20 43.5	1.579	2.536	9.8	19.5
7 30	18 10.51	-9 28.9	2.742	3.607	9.7	20.7	7 30	18 4.02	-20 30.0	1.635	2.527	13.7	19.7
49104	1998 <i>RC</i> ₇₉		6 28.8 245°47	1°9/29.1	18		286020	2001 <i>SU</i> ₁₄₆		6 28.8 17°22	7°4/28.0	18	
5 21	19 0.31	-17 31.4	1.902	2.718	15.1	19.6	5 21	19 1.08	-39 32.2	1.699	2.521	16.4	19.4
5 31	18 55.98	-17 34.2	1.803	2.704	12.1	19.4	5 31	18 57.31	-40 27.6	1.631	2.525	13.6	19.3
6 10	18 49.15	-17 43.6	1.725	2.689	8.5	19.1	6 10	18 50.35	-41 14.3	1.584	2.529	10.6	19.1
6 20	18 40.29	-17 58.9	1.671	2.674	4.5	18.8	6 20	18 40.91	-41 45.6	1.558	2.534	8.1	19.0
6 30	18 30.25	-18 19.0	1.644	2.658	1.9	18.6	6 30	18 30.23	-41 56.1	1.557	2.540	7.4	18.9
7 10	18 20.11	-18 42.1	1.644	2.642	5.3	18.8	7 10	18 19.84	-41 44.3	1.579	2.547	9.0	19.0
7 20	18 10.96	-19 7.0	1.670	2.625	9.5	19.0	7 20	18 11.15	-41 12.3	1.626	2.553	11.7	19.2
7 30	18 3.79	-19 32.7	1.720	2.608	13.3	19.2	7 30	18 5.23	-40 25.2	1.693	2.561	14.5	19.4
260778	2005 <i>NN</i> ₁₃		6 28.8 55°78	3°0/28.6	17		477701	2010 <i>RL</i> ₁₃₂		6 28.8 172°10	0°4/28.8	18	
5 21	19 0.10	-31 49.0	2.126	2.943	13.7	20.6	5 21	18 57.04	-22 16.0	2.890	3.695	10.8	21.4
5 31	18 55.50	-31 58.5	2.047	2.947	10.9	20.4	5 31	18 52.35	-22 8.7	2.801	3.698	8.4	21.3
6 10	18 48.55	-32 3.6	1.989	2.951	7.7	20.2	6 10	18 46.06	-22 2.3	2.736	3.700	5.7	21.1
6 20	18 39.86	-32 1.6	1.956	2.955	4.5	20.0	6 20	18 38.60	-21 56.2	2.697	3.701	2.8	20.9
6 30	18 30.33	-31 50.3	1.950	2.959	3.0	19.9	6 30	18 30.57	-21 49.7	2.687	3.703	0.5	20.7
7 10	18 21.04	-31 29.2	1.971	2.962	5.3	20.1	7 10	18 22.64	-21 42.7	2.706	3.704	3.5	20.9
7 20	18 12.95	-30 59.9	2.018	2.966	8.6	20.3	7 20	18 15.46	-21 35.2	2.753	3.705	6.4	21.1
7 30	18 6.86	-30 25.0	2.090	2.971	11.6	20.5	7 30	18 9.59	-21 27.7	2.826	3.705	9.0	21.3
231314	2006 <i>BV</i> ₂₆₇		6 28.8 200°60	2°8/29.6	18		354111	2002 <i>AU</i> ₁₃		6 28.8 183°83	2°3/28.7	18	
5 21	18 59.28	-12 55.8	2.088	2.891	14.4	21.0	5 21	19 0.79	-31 21.8	2.526	3.332	12.1	21.1
5 31	18 54.79	-13 16.8	1.998	2.888	11.6	20.8	5 31	18 55.64	-31 21.2	2.438	3.333	9.6	20.9
6 10	18 48.11	-13 48.4	1.929	2.885	8.3	20.6	6 10	18 48.46	-31 16.5	2.372	3.332	6.7	20.7
6 20	18 39.71	-14 29.9	1.885	2.882	4.8	20.4	6 20	18 39.79	-31 5.5	2.333	3.332	3.8	20.5
6 30	18 30.35	-15 19.5	1.868	2.879	2.8	20.2	6 30	18 30.40	-30 46.7	2.321	3.331	2.4	20.4
7 10	18 20.99	-16 14.6	1.880	2.875	5.1	20.4	7 10	18 21.20	-30 20.1	2.338	3.331	4.5	20.6
7 20	18 12.54	-17 12.3	1.918	2.871	8.7	20.6	7 20	18 13.00	-29 47.0	2.383	3.329	7.5	20.7
7 30	18 5.84	-18 10.3	1.982	2.866	12.0	20.8	7 30	18 6.52	-29 9.6	2.453	3.328	10.3	20.9
280985	2006 <i>DK</i> ₈₇		6 28.8 276°62	0°8/28.9	18		512994	2017 <i>UY</i> ₃₇		6 28.8 253°00	5°3/27.5	18	
5 21	18 58.36	-20 18.8	1.872	2.697	15.0	20.8	5 21	19 4.11	-32 59.7	1.884	2.701	15.2	21.7
5 31	18 54.54	-20 26.6	1.774	2.681	11.9	20.6	5 31	18 59.58	-34 8.9	1.788	2.686	12.3	21.4
6 10	18 48.21	-20 39.5	1.697	2.665	8.2	20.4	6 10	18 52.00	-35 17.9	1.713	2.670	9.1	21.2
6 20	18 39.86	-20 55.9	1.644	2.649	4.1	20.1	6 20	18 41.84	-36 20.5	1.663	2.653	6.2	21.0
6 30	18 30.32	-21 14.3	1.617	2.633	0.9	19.8	6 30	18 30.08	-37 9.9	1.639	2.636	5.4	20.9
7 10	18 20.70	-21 32.9	1.617	2.617	5.1	20.1	7 10	18 18.08	-37 41.9	1.641	2.619	7.7	21.0
7 20	18 12.10	-21 50.6	1.642	2.601	9.4	20.3	7 20	18 7.28	-37 55.6	1.669	2.602	11.1	21.2
7 30	18 5.49	-22 7.1	1.691	2.584	13.3	20.5	7 30	17 58.92	-37 53.3	1.719	2.583	14.5	21.4
299820	2006 <i>SO</i> ₁₅₇		6 28.8 144°88	6°4/27.8	18		108185	2001 <					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
202003	2004 <i>QQ</i> ₉		6 28.8 302°19	3°7/28.2	18		160683	2000 <i>DG</i> ₇₉		6 28.8 212°39	9°7/2.0	18	
5 21	18 59.29	-29 31.2	1.592	2.430	16.6	20.5	5 21	18 57.95	+11 34.7	2.809	3.482	13.9	20.9
5 31	18 56.16	-30 8.4	1.492	2.406	13.3	20.2	5 31	18 53.13	+12 5.9	2.717	3.473	12.6	20.8
6 10	18 49.87	-30 46.0	1.413	2.381	9.5	20.0	6 10	18 46.67	+12 19.4	2.643	3.464	11.3	20.7
6 20	18 40.88	-31 19.4	1.356	2.357	5.5	19.7	6 20	18 38.96	+12 12.2	2.590	3.455	10.2	20.6
6 30	18 30.21	-31 43.4	1.323	2.333	3.8	19.5	6 30	18 30.57	+11 42.0	2.561	3.444	9.7	20.6
7 10	18 19.30	-31 54.5	1.316	2.310	7.0	19.6	7 10	18 22.19	+10 49.2	2.556	3.433	10.0	20.6
7 20	18 9.66	-31 52.2	1.332	2.286	11.5	19.8	7 20	18 14.46	+9 35.9	2.577	3.422	10.9	20.6
7 30	18 2.62	-31 38.7	1.370	2.263	15.8	20.0	7 30	18 7.99	+8 6.0	2.620	3.409	12.3	20.7
475851	2007 <i>BD</i> ₅₆		6 28.8 187°96	2°7/28.5	18		49220	1998 <i>SA</i> ₁₂₉		6 28.8 217°34	6°0/29.7	18	
5 21	18 59.89	-32 33.1	2.884	3.685	10.9	21.7	5 21	18 56.96	-3 10.6	2.798	3.554	12.3	20.4
5 31	18 54.76	-32 48.3	2.794	3.684	8.7	21.6	5 31	18 52.36	-2 35.7	2.699	3.544	10.4	20.3
6 10	18 47.79	-32 59.9	2.727	3.683	6.2	21.4	6 10	18 46.15	-2 10.9	2.621	3.533	8.4	20.1
6 20	18 39.46	-33 5.5	2.686	3.681	3.8	21.2	6 20	18 38.72	-1 58.0	2.568	3.521	6.7	20.0
6 30	18 30.45	-33 3.1	2.674	3.679	2.7	21.2	6 30	18 30.61	-1 58.5	2.542	3.509	6.0	19.9
7 10	18 21.55	-32 52.3	2.690	3.677	4.5	21.3	7 10	18 22.50	-2 12.4	2.543	3.496	6.8	20.0
7 20	18 13.52	-32 33.6	2.734	3.674	7.0	21.4	7 20	18 15.01	-2 38.8	2.571	3.483	8.6	20.1
7 30	18 6.99	-32 8.8	2.804	3.671	9.5	21.6	7 30	18 8.74	-3 15.8	2.624	3.468	10.7	20.2
472707	2015 <i>FH</i> ₄₂		6 28.8 186°75	0°4/28.7	17		499601	2010 <i>TF</i> ₁₄₂		6 28.8 263°87	6°9/26.9	17	
5 21	18 59.47	-23 10.7	1.964	2.787	14.5	21.5	5 21	19 5.57	-35 6.5	1.698	2.518	16.5	21.6
5 31	18 55.16	-23 28.1	1.881	2.787	11.4	21.3	5 31	19 1.34	-36 31.3	1.602	2.499	13.6	21.4
6 10	18 48.46	-23 48.4	1.818	2.787	7.8	21.1	6 10	18 53.61	-37 56.0	1.527	2.479	10.4	21.2
6 20	18 39.91	-24 9.2	1.780	2.786	3.7	20.8	6 20	18 42.81	-39 12.3	1.475	2.460	7.6	20.9
6 30	18 30.38	-24 28.4	1.769	2.786	0.7	20.6	6 30	18 30.00	-40 11.8	1.449	2.439	7.0	20.9
7 10	18 20.94	-24 44.1	1.786	2.785	4.8	20.9	7 10	18 16.81	-40 48.5	1.448	2.419	9.3	20.9
7 20	18 12.61	-24 55.7	1.828	2.784	8.8	21.1	7 20	18 4.96	-41 1.3	1.471	2.397	12.8	21.1
7 30	18 6.26	-25 3.6	1.895	2.783	12.3	21.3	7 30	17 55.98	-40 53.5	1.515	2.376	16.3	21.3
356958	2012 <i>XA</i> ₂₅		6 28.8 254°51	3°3/28.0	18		47971	2000 <i>VO</i> ₄		6 28.8 171°89	0°7/28.6	18	
5 21	19 0.87	-29 57.1	2.168	2.984	13.5	20.9	5 21	18 57.82	-24 34.4	3.012	3.815	10.4	20.7
5 31	18 56.40	-30 45.4	2.070	2.970	10.8	20.7	5 31	18 52.98	-24 54.8	2.923	3.818	8.2	20.5
6 10	18 49.45	-31 33.8	1.993	2.955	7.7	20.5	6 10	18 46.53	-25 16.0	2.858	3.821	5.5	20.3
6 20	18 40.48	-32 18.3	1.942	2.940	4.6	20.3	6 20	18 38.87	-25 36.5	2.819	3.824	2.7	20.1
6 30	18 30.30	-32 54.7	1.919	2.925	3.4	20.2	6 30	18 30.60	-25 54.7	2.810	3.826	0.8	20.0
7 10	18 20.01	-33 20.0	1.922	2.910	5.8	20.3	7 10	18 22.39	-26 9.5	2.830	3.827	3.5	20.2
7 20	18 10.70	-33 33.5	1.952	2.895	9.2	20.5	7 20	18 14.89	-26 20.4	2.879	3.828	6.3	20.4
7 30	18 3.34	-33 36.5	2.006	2.879	12.4	20.6	7 30	18 8.68	-26 27.7	2.954	3.828	8.8	20.6
103009	1999 <i>XW</i> ₁₀₁		6 28.8 244°76	1°2/28.6	18		362752	2011 <i>UB</i> ₃₉₆		6 28.8 151°61	7°9/30.7	18	
5 21	19 0.46	-25 29.4	2.358	3.169	12.7	19.9	5 21	18 54.76	+7 47.1	3.293	3.985	11.7	21.8
5 31	18 55.74	-25 52.8	2.253	3.152	10.1	19.7	5 31	18 50.29	+8 36.0	3.219	3.995	10.4	21.7
6 10	18 48.80	-26 17.5	2.170	3.135	6.9	19.5	6 10	18 44.54	+9 11.9	3.165	4.004	9.2	21.6
6 20	18 40.10	-26 41.3	2.113	3.117	3.5	19.2	6 20	18 37.87	+9 32.2	3.134	4.013	8.3	21.6
6 30	18 30.37	-27 1.6	2.084	3.099	1.3	19.0	6 30	18 30.75	+9 35.5	3.128	4.021	7.9	21.6
7 10	18 20.54	-27 16.5	2.083	3.080	4.6	19.2	7 10	18 23.72	+9 21.6	3.147	4.028	8.2	21.6
7 20	18 11.55	-27 25.5	2.110	3.060	8.1	19.4	7 20	18 17.28	+8 51.8	3.191	4.035	9.0	21.7
7 30	18 4.27	-27 29.3	2.161	3.040	11.4	19.6	7 30	18 11.88	+8 8.4	3.257	4.042	10.2	21.8
438803	2008 <i>YM</i> ₅₀		6 28.8 311°85	12°1/1.3	17		48251	2001 <i>TA</i> ₁₉₀		6 28.8 99°11	1°6/28.7	18	
5 21	19 17.88	-48 5.2	0.984	1.811	25.2	20.4	5 21	19 2.55	-26 56.2	1.775	2.601	15.7	19.0
5 31	19 13.56	-48 10.0	0.912	1.802	21.9	20.1	5 31	18 57.72	-27 8.7	1.706	2.613	12.3	18.8
6 10	19 2.99	-47 46.8	0.854	1.793	18.0	19.9	6 10	18 50.23	-27 20.4	1.657	2.625	8.4	18.6
6 20	18 47.35	-46 41.0	0.813	1.784	14.2	19.6	6 20	18 40.76	-27 28.6	1.633	2.637	4.2	18.4
6 30	18 29.40	-44 41.9	0.791	1.776	12.1	19.5	6 30	18 30.36	-27 30.7	1.634	2.649	1.7	18.2
7 10	18 12.70	-41 52.4	0.791	1.769	13.5	19.5	7 10	18 20.27	-27 25.7	1.663	2.661	5.3	18.5
7 20	18 0.03	-38 29.6	0.811	1.762	17.3	19.7	7 20	18 11.60	-27 14.5	1.717	2.672	9.3	18.7
7 30	17 52.86	-34 56.5	0.851	1.755	21.8	19.9	7 30	18 5.24	-26 59.1	1.795	2.683	12.9	19.0
471094	2010 <i>AV</i> ₅₅		6 28.8 146°27	2°1/28.6	17		521227	2015 <i>GL</i> ₅₃		6 28.8 207°71	5°0/29.9	18	
5 21	19 1.15	-28 16.6	1.958	2.780	14.6	21.7	5 21	18 58.28	-8 0.3	2.160	2.948	14.5	22.1
5 31	18 56.53	-28 32.0	1.878	2.783	11.5	21.5	5 31	18 53.90	-7 52.8	2.069	2.944	11.9	21.9
6 10	18 49.39	-28 46.1	1.820	2.786	7.9	21.3	6 10	18 47.46	-7 57.1	1.999	2.939	9.1	21.8
6 20	18 40.36	-28 55.8	1.785	2.789	4.2	21.1	6 20	18 39.43	-8 14.1	1.953	2.934	6.3	21.6
6 30	18 30.36	-28 58.5	1.778	2.791	2.2	20.9	6 30	18 30.53	-8 44.0	1.934	2.929	5.0	21.5
7 10	18 20.55	-28 53.3	1.798	2.793	5.2	21.1	7 10	18 21.63	-9 25.4	1.941	2.923	6.4	21.6
7 20	18 11.98	-28 40.8	1.843	2.796	9.0	21.4	7 20	18 13.60	-10 15.9	1.976	2.917	9.2	21.7
7 30	18 5.52	-28 23.0	1.913	2.798	12.3	21.6	7 30	18 7.20	-11 12.6	2.034	2.910	12.1	21.9
387081	2012 <i>TD</i> ₉₆		6 28.8 226°87	0°2/28.8	18		196824	2003 <i>SS</i> ₂₃₅		6 28.8 178°81	5°3/28.1	18	
5 21	18 59.24	-23 33.6	2.059	2.880	14.0	21.6	5 21	19 4.39	-37 46.3	2.293	3.092	13.4	20.5
5 31	18 54.88	-23 35.7	1.971	2.876	11.0	21.4	5 31	18 59.00	-38 25.7	2.211	3.094	11.0	20.4
6 10	18 48.22	-23 39.1	1.904	2.872	7.5	21.1	6 10	18 51.06	-38 58.6	2.151	3.094	8.3	20.2
6 20	18 39.80	-23 42.4	1.862	2.867	3.6	20.9	6 20	18 41.18	-39 20.5	2.115	3.095	6.0	20.1
6 30	18 30.44	-23 43.9	1.847	2.863	0.5	20.6	6 30	18 30.30	-39 27.4	2.106	3.095	5.3	20.0
7 10	18 21.18	-23 42.8	1.859	2.858	4.6	20.9	7 10	18 19.58	-39 18.1	2.124	3.094	6.8	20.1
7 20	18 12.97	-23 39.2	1.898	2.854	8.5	21.2	7 20	18 10.11	-38 53.8	2.169	3.094	9.3	20.3
7 30	18 6.64	-23 33.9	1.961	2.849	11.9	21.4	7 30	18 2.78	-38 18.0	2.237	3.093	11.9	20.4
142200	2002 <i>RF</i> ₅₇		6 28.8 261°82	4°8/29.2	18		112136	2002 <i>JB</</i>					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
376911	2001 YU ₁₃₁		6 28.8 201°94	1°5/28.8	18		311455	2005 UJ ₃₅₁		6 28.8 300°46	1°9/28.9	18	
5 21	19 4.04	-28 28.0	2.093	2.905	14.1	20.7	5 21	18 56.94	-19 13.5	2.196	3.013	13.4	20.3
5 31	18 58.62	-28 17.6	2.002	2.901	11.2	20.5	5 31	18 52.85	-18 43.6	2.106	3.007	10.6	20.1
6 10	18 50.74	-28 3.9	1.933	2.898	7.7	20.3	6 10	18 46.73	-18 16.0	2.037	3.001	7.4	19.9
6 20	18 41.00	-27 44.7	1.890	2.893	3.9	20.1	6 20	18 39.08	-17 50.9	1.993	2.995	4.0	19.6
6 30	18 30.33	-27 18.6	1.874	2.889	1.5	19.9	6 30	18 30.64	-17 28.7	1.976	2.989	2.0	19.5
7 10	18 19.84	-26 46.0	1.886	2.883	4.9	20.1	7 10	18 22.30	-17 9.9	1.987	2.984	4.7	19.7
7 20	18 10.56	-26 8.5	1.926	2.878	8.7	20.3	7 20	18 14.88	-16 54.8	2.024	2.978	8.2	19.9
7 30	18 3.35	-25 28.8	1.990	2.871	12.1	20.5	7 30	18 9.13	-16 43.8	2.086	2.973	11.4	20.1
55928	1998 FG ₆₄		6 28.8 29°81	5°2/29.7	18		350217	2012 SW ₁₇		6 28.8 103°65	3°9/29.1	17	
5 21	18 54.97	-9 24.2	1.976	2.781	15.0	19.0	5 21	18 58.23	-14 10.5	1.998	2.808	14.7	20.8
5 31	18 51.39	-8 56.2	1.900	2.786	12.3	18.9	5 31	18 53.91	-13 32.5	1.921	2.814	11.8	20.6
6 10	18 45.76	-8 38.8	1.845	2.791	9.3	18.7	6 10	18 47.45	-13 0.6	1.864	2.820	8.6	20.4
6 20	18 38.60	-8 33.5	1.813	2.796	6.5	18.5	6 20	18 39.41	-12 36.1	1.832	2.826	5.4	20.2
6 30	18 30.67	-8 41.0	1.806	2.802	5.2	18.5	6 30	18 30.61	-12 20.0	1.827	2.832	3.9	20.1
7 10	18 22.89	-9 0.6	1.826	2.808	6.7	18.6	7 10	18 21.99	-12 12.5	1.848	2.837	5.9	20.3
7 20	18 16.08	-9 30.7	1.870	2.814	9.4	18.7	7 20	18 14.43	-12 13.3	1.896	2.843	9.1	20.5
7 30	18 10.98	-10 8.7	1.938	2.820	12.3	18.9	7 30	18 8.65	-12 21.4	1.967	2.848	12.2	20.7
294912	2008 DF ₃₀		6 28.8 34°71	3°0/27.8	16		435310	2007 UW ₆₀		6 28.8 299°77	2°1/28.4	18	
5 21	18 58.85	-26 42.6	1.880	2.708	14.8	19.8	5 21	18 58.28	-26 33.0	1.826	2.657	15.1	21.0
5 31	18 54.92	-27 58.6	1.811	2.719	11.6	19.6	5 31	18 54.84	-27 5.0	1.724	2.635	12.0	20.7
6 10	18 48.45	-29 17.7	1.764	2.731	8.1	19.4	6 10	18 48.69	-27 39.2	1.642	2.612	8.4	20.4
6 20	18 40.00	-30 34.4	1.741	2.743	4.5	19.2	6 20	18 40.28	-28 12.4	1.585	2.589	4.4	20.2
6 30	18 30.49	-31 43.5	1.746	2.755	3.2	19.1	6 30	18 30.47	-28 40.7	1.553	2.566	2.2	20.0
7 10	18 21.07	-32 40.7	1.777	2.768	5.9	19.3	7 10	18 20.47	-29 1.2	1.547	2.544	5.8	20.1
7 20	18 12.85	-33 24.5	1.834	2.781	9.4	19.6	7 20	18 11.52	-29 13.0	1.566	2.521	10.0	20.3
7 30	18 6.74	-33 55.4	1.915	2.794	12.6	19.8	7 30	18 4.73	-29 16.9	1.608	2.499	13.9	20.5
48416	Carmelita		6 28.8 159°22	5°0/27.5	18		432786	2011 FM ₈₃		6 28.8 117°56	0°7/28.9	17	
5 21	19 3.63	-38 39.1	2.818	3.605	11.5	19.0	5 21	19 1.29	-20 19.9	1.954	2.771	14.8	22.4
5 31	18 58.00	-39 36.3	2.739	3.612	9.4	18.9	5 31	18 56.40	-20 28.5	1.882	2.784	11.6	22.2
6 10	18 50.19	-40 28.1	2.683	3.619	7.3	18.8	6 10	18 49.19	-20 41.3	1.832	2.798	7.9	22.0
6 20	18 40.73	-41 10.1	2.654	3.625	5.5	18.7	6 20	18 40.26	-20 56.7	1.806	2.810	3.9	21.8
6 30	18 30.39	-41 38.8	2.652	3.630	5.1	18.6	6 30	18 30.51	-21 13.1	1.807	2.823	0.9	21.6
7 10	18 20.12	-41 52.5	2.677	3.635	6.3	18.7	7 10	18 20.98	-21 28.9	1.836	2.835	4.7	21.9
7 20	18 10.83	-41 51.5	2.730	3.639	8.3	18.9	7 20	18 12.63	-21 43.3	1.891	2.847	8.5	22.1
7 30	18 3.30	-41 38.2	2.807	3.643	10.3	19.0	7 30	18 6.27	-21 56.5	1.971	2.858	11.9	22.4
38548	1999 VK ₄₇		6 28.8 22°12	2°0/28.7	18		172705	2004 BK ₃₂		6 28.8 6°18	1°2/28.7	18	
5 21	18 59.28	-21 20.3	2.033	2.852	14.2	16.7	5 21	18 58.35	-25 14.1	1.921	2.748	14.6	20.7
5 31	18 54.69	-20 23.7	1.952	2.856	11.2	16.5	5 31	18 54.40	-25 32.9	1.839	2.748	11.5	20.5
6 10	18 47.93	-19 26.5	1.894	2.860	7.7	16.3	6 10	18 48.03	-25 53.0	1.779	2.749	7.8	20.3
6 20	18 39.60	-18 29.8	1.861	2.864	4.1	16.1	6 20	18 39.79	-26 11.9	1.743	2.749	3.9	20.1
6 30	18 30.56	-17 35.0	1.855	2.869	2.0	16.0	6 30	18 30.57	-26 27.1	1.734	2.749	1.3	19.9
7 10	18 21.79	-16 44.0	1.877	2.874	5.0	16.2	7 10	18 21.46	-26 37.0	1.751	2.750	5.0	20.1
7 20	18 14.15	-15 58.8	1.926	2.879	8.6	16.4	7 20	18 13.51	-26 41.4	1.794	2.751	8.9	20.4
7 30	18 8.36	-15 20.7	1.999	2.885	11.9	16.6	7 30	18 7.57	-26 41.2	1.861	2.752	12.4	20.6
118129	3459 T ₋₃		6 28.8 254°08	1°3/28.9	17		152225	2005 ST ₂		6 28.8 212°22	3°3/29.4	18	
5 21	19 2.22	-20 3.0	1.662	2.487	16.6	21.1	5 21	18 55.67	-11 49.3	2.875	3.664	11.2	21.2
5 31	18 57.99	-19 57.7	1.563	2.470	13.3	20.8	5 31	18 51.34	-11 34.3	2.778	3.657	9.1	21.0
6 10	18 50.85	-19 57.0	1.484	2.452	9.2	20.5	6 10	18 45.46	-11 25.6	2.703	3.650	6.7	20.9
6 20	18 41.30	-19 59.8	1.429	2.433	4.7	20.2	6 20	18 38.42	-11 23.7	2.655	3.643	4.4	20.7
6 30	18 30.31	-20 4.9	1.399	2.414	1.4	19.9	6 30	18 30.76	-11 28.9	2.634	3.635	3.3	20.6
7 10	18 19.17	-20 11.0	1.395	2.395	5.8	20.2	7 10	18 23.12	-11 40.7	2.642	3.627	4.6	20.7
7 20	18 9.20	-20 17.6	1.417	2.375	10.6	20.4	7 20	18 16.12	-11 58.4	2.677	3.619	7.1	20.9
7 30	18 1.57	-20 24.9	1.461	2.354	15.0	20.6	7 30	18 10.32	-12 20.9	2.739	3.610	9.5	21.0
470395	2007 TK ₄₂₀		6 28.8 314°63	1°6/28.9	18		369966	1995 UD ₂₁		6 28.8 331°56	1°4/28.7	17	
5 21	19 0.40	-29 36.2	1.611	2.447	16.5	20.3	5 21	18 54.42	-25 14.8	1.164	2.031	19.6	20.9
5 31	18 56.82	-29 7.3	1.508	2.420	13.3	20.0	5 31	18 53.03	-25 26.1	1.082	2.013	15.6	20.5
6 10	18 50.17	-28 31.3	1.424	2.394	9.3	19.7	6 10	18 48.11	-25 39.8	1.017	1.996	10.8	20.2
6 20	18 40.99	-27 45.8	1.362	2.368	4.8	19.4	6 20	18 40.19	-25 52.7	0.973	1.980	5.4	19.9
6 30	18 30.35	-26 49.6	1.327	2.342	1.7	19.1	6 30	18 30.49	-26 1.3	0.950	1.966	1.6	19.6
7 10	18 19.68	-25 44.1	1.316	2.317	6.0	19.3	7 10	18 20.72	-26 3.2	0.949	1.952	7.0	19.9
7 20	18 10.38	-24 33.0	1.331	2.292	10.9	19.5	7 20	18 12.61	-25 58.4	0.970	1.940	12.7	20.1
7 30	18 3.63	-23 21.3	1.368	2.268	15.3	19.7	7 30	18 7.57	-25 48.5	1.010	1.929	17.7	20.4
71085	1999 XX ₁₂₂		6 28.8 252°47	2°7/28.6	18		396840	2004 RP ₁₉₇		6 28.8 301°43	2°3/29.1	18	
5 21	19 0.93	-29 55.9	1.930	2.753	14.7	19.8	5 21	18 55.27	-17 3.2	2.186	3.003	13.4	20.9
5 31	18 56.54	-30 13.4	1.844	2.749	11.7	19.6	5 31	18 51.69	-16 47.3	2.085	2.986	10.7	20.6
6 10	18 49.53	-30 28.4	1.780	2.745	8.2	19.4	6 10	18 46.06	-16 36.1	2.006	2.969	7.6	20.4
6 20	18 40.52	-30 37.6	1.740	2.741	4.6	19.2	6 20	18 38.83	-16 29.8	1.952	2.952	4.2	20.2
6 30	18 30.44	-30 38.1	1.726	2.737	2.8	19.1	6 30	18 30.70	-16 28.3	1.924	2.936	2.4	20.0
7 10	18 20.48	-30 28.9	1.739	2.733	5.6	19.2	7 10	18 22.54	-16 31.4	1.923	2.919	4.9	20.2
7 20	18 11.78	-30 10.6	1.778	2.729	9.3	19.4	7 20	18 15.20	-16 38.4	1.948	2.903	8.4	20.3
7 30	18 5.25	-29 45.9	1.840	2.725	12.8	19.7	7 30	18 9.47	-16 49.0	1.998	2.887	11.7	20.5
250544	2004 RM ₃₃		6 28.8 6°58	9°0/27.8	18		313986	2004 TQ ₁₁₉		6 28.8 295°48	0°4/28.8	18	
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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
66876	1999 VC ₅₅		6 28.8 260°15	1.7°/29.0	18		235873	2005 BA ₁₃		6 28.8 87°86	1°8/28.7	17	
5 21	18 58.48	-18 57.1	1.956	2.776	14.6	19.8	5 21	19 2.36	-28 24.5	1.956	2.775	14.7	20.9
5 31	18 54.42	-18 44.9	1.864	2.767	11.6	19.6	5 31	18 57.29	-28 27.7	1.888	2.791	11.5	20.7
6 10	18 48.02	-18 36.8	1.792	2.758	8.1	19.3	6 10	18 49.80	-28 28.5	1.841	2.807	7.9	20.5
6 20	18 39.81	-18 32.4	1.746	2.749	4.2	19.1	6 20	18 40.55	-28 24.4	1.820	2.823	4.1	20.3
6 30	18 30.59	-18 31.3	1.725	2.739	1.8	18.9	6 30	18 30.54	-28 13.7	1.825	2.839	1.9	20.2
7 10	18 21.40	-18 32.8	1.732	2.730	5.1	19.1	7 10	18 20.87	-27 56.1	1.857	2.854	5.0	20.4
7 20	18 13.24	-18 36.7	1.764	2.721	9.0	19.3	7 20	18 12.55	-27 33.1	1.916	2.869	8.6	20.7
7 30	18 6.96	-18 42.8	1.821	2.711	12.6	19.5	7 30	18 6.34	-27 6.7	1.999	2.885	11.9	20.9
399940	2005 YH ₂₇₂		6 28.8 287°71	0°7/28.7	18		392018	2009 AZ ₃₅		6 28.8 242°70	0°1/28.8	18	
5 21	18 56.95	-24 12.9	2.355	3.172	12.5	21.5	5 21	18 59.59	-21 10.7	2.308	3.118	13.0	21.8
5 31	18 53.03	-24 28.7	2.247	3.150	9.9	21.3	5 31	18 55.08	-21 38.4	2.205	3.104	10.3	21.6
6 10	18 47.01	-24 46.3	2.161	3.128	6.8	21.1	6 10	18 48.41	-22 10.7	2.124	3.090	7.0	21.4
6 20	18 39.32	-25 3.9	2.101	3.106	3.3	20.8	6 20	18 40.01	-22 45.9	2.069	3.074	3.4	21.1
6 30	18 30.65	-25 19.7	2.068	3.084	0.8	20.6	6 30	18 30.59	-23 21.4	2.042	3.059	0.5	20.9
7 10	18 21.88	-25 32.0	2.063	3.061	4.3	20.8	7 10	18 21.06	-23 55.1	2.044	3.043	4.4	21.2
7 20	18 13.88	-25 40.4	2.085	3.039	8.0	21.0	7 20	18 12.34	-24 25.4	2.073	3.026	8.1	21.4
7 30	18 7.49	-25 45.2	2.131	3.016	11.2	21.1	7 30	18 5.26	-24 52.0	2.127	3.009	11.4	21.5
370929	2005 PG ₇		6 28.8 299°26	1°8/29.3	17		349387	2007 WR ₆₁		6 28.8 237°19	3°3/28.5	18	
5 21	18 52.54	-15 47.8	2.982	3.785	10.5	21.0	5 21	19 1.53	-32 39.3	2.313	3.122	13.0	21.1
5 31	18 48.97	-15 53.6	2.876	3.769	8.4	20.9	5 31	18 56.68	-32 59.2	2.218	3.113	10.4	20.9
6 10	18 43.92	-16 4.7	2.794	3.753	5.9	20.7	6 10	18 49.50	-33 15.3	2.146	3.103	7.5	20.7
6 20	18 37.72	-16 20.6	2.737	3.736	3.3	20.5	6 20	18 40.50	-33 24.3	2.098	3.094	4.6	20.5
6 30	18 30.88	-16 40.9	2.708	3.720	1.8	20.3	6 30	18 30.54	-33 23.3	2.078	3.084	3.4	20.4
7 10	18 24.00	-17 4.5	2.708	3.704	3.7	20.5	7 10	18 20.64	-33 11.2	2.086	3.073	5.4	20.5
7 20	18 17.69	-17 30.6	2.735	3.687	6.4	20.6	7 20	18 11.80	-32 49.0	2.120	3.063	8.5	20.6
7 30	18 12.49	-17 58.0	2.789	3.671	9.0	20.8	7 30	18 4.85	-32 19.1	2.179	3.052	11.5	20.8
203904	2003 HE ₂₉		6 28.8 11°47	2°2/29.0	17		126373	2002 AT ₁₉₀		6 28.8 287°47	4°4/27.6	18	
5 21	18 57.22	-19 28.0	1.118	1.979	20.6	19.9	5 21	19 1.42	-29 27.8	1.728	2.557	15.9	19.7
5 31	18 54.86	-19 10.5	1.054	1.981	16.4	19.7	5 31	18 57.77	-30 38.7	1.626	2.534	12.8	19.4
6 10	18 49.03	-18 59.5	1.007	1.983	11.4	19.4	6 10	18 51.03	-31 53.5	1.546	2.511	9.2	19.2
6 20	18 40.47	-18 54.8	0.979	1.986	5.9	19.1	6 20	18 41.58	-33 6.3	1.490	2.488	5.7	18.9
6 30	18 30.51	-18 55.7	0.974	1.989	2.3	18.9	6 30	18 30.36	-34 10.2	1.459	2.464	4.5	18.8
7 10	18 20.83	-19 0.9	0.992	1.994	6.9	19.2	7 10	18 18.76	-34 59.7	1.454	2.441	7.4	18.9
7 20	18 12.97	-19 9.8	1.031	1.999	12.3	19.5	7 20	18 8.25	-35 32.4	1.474	2.418	11.5	19.1
7 30	18 8.11	-19 21.6	1.089	2.006	17.0	19.8	7 30	18 0.21	-35 49.3	1.516	2.394	15.4	19.2
304735	2006 XY ₃₉		6 28.8 200°98	1°0/29.0	18		325734	2009 VH ₅₀		6 28.8 213°73	4°3/29.5	18	
5 21	18 56.90	-19 36.6	2.436	3.247	12.4	21.6	5 21	18 53.65	-9 3.6	2.840	3.625	11.4	20.8
5 31	18 52.65	-19 38.3	2.346	3.245	9.7	21.4	5 31	18 49.76	-8 34.3	2.751	3.623	9.4	20.6
6 10	18 46.53	-19 43.6	2.279	3.243	6.7	21.2	6 10	18 44.39	-8 12.3	2.684	3.622	7.1	20.5
6 20	18 38.99	-19 51.6	2.238	3.241	3.4	21.0	6 20	18 37.92	-7 58.7	2.642	3.620	5.1	20.3
6 30	18 30.72	-20 1.4	2.224	3.239	1.1	20.8	6 30	18 30.90	-7 54.3	2.627	3.618	4.3	20.3
7 10	18 22.51	-20 12.2	2.238	3.237	4.1	21.1	7 10	18 23.94	-7 59.0	2.640	3.615	5.3	20.3
7 20	18 15.13	-20 23.2	2.280	3.235	7.4	21.3	7 20	18 17.62	-8 12.1	2.680	3.613	7.4	20.5
7 30	18 9.26	-20 34.4	2.347	3.232	10.4	21.5	7 30	18 12.48	-8 32.5	2.745	3.611	9.6	20.6
428694	Saule		6 28.8 278°10	11°4/29.4	17		111432	2001 XB ₂₀₉		6 28.8 261°16	3°5/29.0	18	
5 21	19 18.50	-1 19.3	1.464	2.217	21.6	23.0	5 21	18 56.83	-14 27.7	2.308	3.113	13.1	19.9
5 31	19 12.62	-0 33.3	1.321	2.164	19.2	22.7	5 31	18 52.70	-13 53.0	2.211	3.102	10.6	19.8
6 10	19 2.48	-0 4.1	1.194	2.108	16.1	22.3	6 10	18 46.63	-13 23.0	2.136	3.091	7.7	19.5
6 20	18 47.89	+0 0.2	1.088	2.047	12.9	21.9	6 20	18 39.09	-12 58.9	2.086	3.080	4.8	19.4
6 30	18 29.37	+0 28.9	1.006	1.983	11.4	21.6	6 30	18 30.74	-12 41.6	2.063	3.068	3.5	19.2
7 10	18 8.35	-1 36.3	0.951	1.915	13.8	21.5	7 10	18 22.43	-12 31.4	2.068	3.057	5.4	19.3
7 20	17 47.04	-3 20.9	0.923	1.843	19.1	21.5	7 20	18 14.93	-12 28.5	2.099	3.045	8.4	19.5
7 30	17 27.89	-5 35.2	0.917	1.766	25.3	21.6	7 30	18 8.96	-12 32.2	2.155	3.034	11.4	19.7
519643	2012 UG ₁₈₃		6 28.8 320°80	1°5/28.6	18		188176	2002 JW ₈		6 28.8 8°84	11°2/23.4	18	
5 21	18 56.02	-24 44.2	1.537	2.383	16.7	21.0	5 21	19 6.23	-43 49.5	1.768	2.570	16.6	18.9
5 31	18 53.47	-25 10.9	1.443	2.362	13.3	20.7	5 31	19 2.46	-46 38.3	1.705	2.572	14.4	18.7
6 10	18 47.98	-25 41.5	1.369	2.343	9.2	20.4	6 10	18 54.81	-49 21.0	1.664	2.575	12.4	18.6
6 20	18 40.02	-26 12.8	1.317	2.324	4.6	20.1	6 20	18 43.64	-51 45.2	1.648	2.579	11.3	18.5
6 30	18 30.56	-26 41.1	1.290	2.305	1.7	19.9	6 30	18 30.07	-53 39.6	1.656	2.584	11.5	18.6
7 10	18 20.94	-27 3.5	1.287	2.287	6.1	20.1	7 10	18 15.99	-54 57.7	1.688	2.589	12.9	18.7
7 20	18 12.56	-27 18.5	1.308	2.270	10.9	20.3	7 20	18 3.44	-55 39.4	1.742	2.595	14.9	18.8
7 30	18 6.62	-27 26.7	1.350	2.254	15.3	20.6	7 30	17 54.24	-55 50.1	1.814	2.602	16.9	19.0
386435	2008 VT ₇₆		6 28.8 153°01	1°7/28.7	18		105753	2000 SU ₉₇		6 28.8 12°19	5°7/28.5	18	
5 21	19 1.39	-28 34.6	2.139	2.955	13.7	21.4	5 21	19 1.08	-37 34.0	1.890	2.708	15.2	19.5
5 31	18 56.48	-28 36.3	2.057	2.958	10.8	21.2	5 31	18 56.90	-38 4.4	1.815	2.710	12.4	19.3
6 10	18 49.26	-28 35.5	1.996	2.961	7.5	21.0	6 10	18 49.89	-38 27.1	1.761	2.712	9.3	19.1
6 20	18 40.33	-28 29.9	1.961	2.964	3.9	20.8	6 20	18 40.73	-38 37.1	1.730	2.714	6.7	19.0
6 30	18 30.55	-28 17.9	1.953	2.967	1.8	20.6	6 30	18 30.53	-38 30.7	1.723	2.717	5.7	18.9
7 10	18 20.99	-27 59.2	1.973	2.970	4.8	20.8	7 10	18 20.60	-38 7.1	1.743	2.720	7.4	19.0
7 20	18 12.58	-27 34.9	2.020	2.972	8.3	21.1	7 20	18 12.14	-37 28.3	1.787	2.724	10.2	19.2
7 30	18 6.12	-27 7.1	2.091	2.974	11.5	21.3	7 30	18 6.09	-36 38.6	1.854	2.728	13.2	19.4
242726	2005 US ₁₆₁		6 28.8 279°38	1°5/28.5	18		298290	2003 AZ ₇₂		6 28.8 95°38	2°2/28.5	17	
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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
217404	2005 <i>JH</i> ₃₆		6 28.8 332°52	2°4/29.3	17		228613	2002 <i>CY</i> ₅		6 28.8 157°82	3°2/29.4	17	
5 21	18 53.25	-16 47.5	1.196	2.056	19.6	20.4	5 21	18 59.72	-13 24.6	2.256	3.053	13.6	21.7
5 31	18 51.83	-16 57.5	1.114	2.039	15.8	20.1	5 31	18 54.87	-13 15.1	2.174	3.060	10.9	21.5
6 10	18 47.16	-17 19.7	1.048	2.023	11.2	19.8	6 10	18 48.05	-13 12.9	2.113	3.066	7.9	21.3
6 20	18 39.74	-17 54.1	1.003	2.009	6.0	19.5	6 20	18 39.75	-13 18.3	2.078	3.072	4.8	21.1
6 30	18 30.64	-18 38.4	0.980	1.995	2.4	19.2	6 30	18 30.71	-13 31.0	2.071	3.077	3.2	21.0
7 10	18 21.41	-19 29.0	0.980	1.983	6.8	19.5	7 10	18 21.78	-13 50.0	2.091	3.082	5.1	21.2
7 20	18 13.60	-20 21.9	1.001	1.971	12.3	19.7	7 20	18 13.79	-14 14.1	2.139	3.086	8.2	21.4
7 30	18 8.59	-21 13.9	1.042	1.961	17.3	20.0	7 30	18 7.42	-14 41.9	2.211	3.089	11.2	21.6
464984	2006 <i>AA</i> ₉₇		6 28.8 181°73	2°4/29.2	16		349350	2007 <i>VN</i> ₁₁₉		6 28.8 261°43	0°3/28.9	17	
5 21	19 4.48	-16 7.5	1.990	2.792	15.1	23.1	5 21	18 58.36	-21 48.8	2.043	2.864	14.1	21.6
5 31	18 58.98	-16 6.3	1.903	2.794	12.0	22.9	5 31	18 54.31	-21 56.7	1.951	2.856	11.1	21.4
6 10	18 51.06	-16 11.8	1.837	2.795	8.5	22.6	6 10	18 47.96	-22 7.9	1.880	2.848	7.6	21.2
6 20	18 41.27	-16 23.7	1.795	2.795	4.7	22.4	6 20	18 39.82	-22 20.8	1.834	2.839	3.7	20.9
6 30	18 30.47	-16 40.7	1.782	2.794	2.4	22.3	6 30	18 30.69	-22 33.8	1.814	2.831	0.5	20.7
7 10	18 19.74	-17 1.6	1.796	2.792	5.3	22.4	7 10	18 21.58	-22 45.4	1.822	2.822	4.6	21.0
7 20	18 10.11	-17 24.9	1.838	2.788	9.1	22.7	7 20	18 13.45	-22 55.2	1.857	2.814	8.6	21.2
7 30	18 2.46	-17 49.9	1.904	2.784	12.6	22.9	7 30	18 7.17	-23 3.2	1.915	2.805	12.1	21.4
234784	2002 <i>PN</i> ₁₈₈		6 28.8 354°85	2°2/28.6	17		397112	2005 <i>VF</i> ₄₈		6 28.8 294°40	8°9/28.8	18	
5 21	18 59.01	-27 57.2	1.760	2.593	15.5	20.4	5 21	18 55.51	+ 0 16.4	2.314	3.071	14.5	20.7
5 31	18 55.24	-28 16.3	1.681	2.591	12.3	20.2	5 31	18 51.57	+ 1 40.7	2.231	3.066	12.6	20.5
6 10	18 48.78	-28 34.7	1.621	2.590	8.5	20.0	6 10	18 45.81	+ 2 53.3	2.170	3.062	10.8	20.4
6 20	18 40.24	-28 49.1	1.586	2.589	4.5	19.8	6 20	18 38.69	+ 3 49.9	2.131	3.058	9.4	20.3
6 30	18 30.60	-28 56.5	1.575	2.589	2.3	19.6	6 30	18 30.85	+ 4 27.2	2.116	3.054	8.9	20.3
7 10	18 21.12	-28 55.7	1.591	2.589	5.6	19.8	7 10	18 23.07	+ 4 43.6	2.127	3.049	9.6	20.3
7 20	18 12.94	-28 46.9	1.632	2.589	9.6	20.1	7 20	18 16.08	+ 4 39.7	2.161	3.045	11.2	20.4
7 30	18 7.01	-28 32.1	1.696	2.589	13.3	20.3	7 30	18 10.53	+ 4 17.8	2.217	3.041	13.1	20.5
103673	2000 <i>CZ</i> ₅₅		6 28.8 112°98	4°9/28.7	18		218198	2002 <i>TZ</i> ₁₃₀		6 28.8 314°57	1°2/28.8	18	
5 21	19 4.09	-36 51.3	2.039	2.848	14.5	19.5	5 21	18 58.05	-25 52.5	1.341	2.193	18.4	20.6
5 31	18 58.94	-37 11.5	1.962	2.852	11.8	19.4	5 31	18 55.50	-25 53.9	1.252	2.175	14.7	20.3
6 10	18 51.10	-37 24.1	1.906	2.857	8.8	19.2	6 10	18 49.60	-25 55.4	1.182	2.157	10.2	20.0
6 20	18 41.27	-37 24.9	1.875	2.861	6.0	19.0	6 20	18 40.90	-25 54.3	1.132	2.139	5.1	19.6
6 30	18 30.48	-37 10.7	1.869	2.866	4.9	19.0	6 30	18 30.53	-25 48.0	1.107	2.122	1.4	19.3
7 10	18 20.01	-36 41.0	1.890	2.870	6.7	19.1	7 10	18 20.10	-25 35.1	1.104	2.106	6.5	19.6
7 20	18 10.96	-35 58.2	1.937	2.875	9.5	19.3	7 20	18 11.18	-25 16.4	1.125	2.091	11.9	19.9
7 30	18 4.23	-35 6.4	2.008	2.879	12.5	19.5	7 30	18 5.09	-24 54.6	1.166	2.076	16.7	20.1
127651	2003 <i>DP</i> ₂		6 28.8 48°59	2°5/28.9	17		503713	2016 <i>JO</i> ₂₁		6 28.8 122°79	1°4/28.7	17	
5 21	19 4.02	-29 25.4	1.190	2.041	20.3	19.4	5 21	19 4.02	-25 46.1	1.671	2.497	16.5	21.8
5 31	19 0.15	-29 20.0	1.129	2.050	16.1	19.2	5 31	18 59.12	-26 2.3	1.600	2.507	13.0	21.6
6 10	18 52.53	-29 10.0	1.087	2.060	11.1	18.9	6 10	18 51.37	-26 19.3	1.549	2.518	8.9	21.4
6 20	18 42.10	-28 51.7	1.065	2.070	5.8	18.7	6 20	18 41.46	-26 33.7	1.522	2.527	4.4	21.1
6 30	18 30.38	-28 22.7	1.066	2.081	2.6	18.5	6 30	18 30.49	-26 42.7	1.521	2.537	1.5	20.9
7 10	18 19.23	-27 43.6	1.091	2.092	6.9	18.8	7 10	18 19.81	-26 44.9	1.547	2.546	5.5	21.2
7 20	18 10.25	-26 58.1	1.139	2.103	12.0	19.1	7 20	18 10.62	-26 40.7	1.598	2.554	9.8	21.5
7 30	18 4.53	-26 11.1	1.208	2.114	16.4	19.4	7 30	18 3.88	-26 31.8	1.672	2.562	13.6	21.7
520349	2014 <i>GB</i> ₆₃		6 28.8 313°38	0°9/28.9	16		111287	2001 <i>XT</i> ₄₇		6 28.8 39°22	4°7/27.8	18	
5 21	18 56.48	-19 59.7	2.106	2.927	13.7	21.6	5 21	19 0.23	-34 34.0	2.216	3.029	13.4	19.3
5 31	18 52.68	-20 3.2	2.017	2.922	10.8	21.4	5 31	18 55.87	-35 29.6	2.136	3.030	10.8	19.1
6 10	18 46.76	-20 10.8	1.951	2.918	7.4	21.2	6 10	18 49.07	-36 21.8	2.078	3.031	8.0	19.0
6 20	18 39.19	-20 21.5	1.909	2.913	3.7	21.0	6 20	18 40.36	-37 5.9	2.045	3.033	5.6	18.8
6 30	18 30.75	-20 34.2	1.893	2.909	1.0	20.8	6 30	18 30.63	-37 37.6	2.039	3.034	4.8	18.8
7 10	18 22.36	-20 47.6	1.905	2.905	4.5	21.0	7 10	18 20.97	-37 54.7	2.059	3.035	6.5	18.9
7 20	18 14.92	-21 0.9	1.944	2.901	8.2	21.2	7 20	18 12.42	-37 57.3	2.105	3.037	9.2	19.0
7 30	18 9.21	-21 14.0	2.006	2.897	11.6	21.4	7 30	18 5.87	-37 47.7	2.175	3.038	11.9	19.2
146749	2001 <i>XL</i> ₁₃₆		6 28.8 63°85	2°8/28.1	18		83397	2001 <i>SN</i> ₂₈		6 28.9 248°59	0°9/29.0	18	
5 21	19 0.69	-27 27.3	2.045	2.865	14.1	19.4	5 21	18 57.40	-19 53.9	2.135	2.953	13.6	19.7
5 31	18 56.05	-28 29.7	1.982	2.885	11.0	19.3	5 31	18 53.36	-19 58.1	2.048	2.951	10.8	19.5
6 10	18 49.04	-29 33.0	1.941	2.906	7.6	19.1	6 10	18 47.20	-20 6.3	1.984	2.950	7.4	19.3
6 20	18 40.27	-30 32.6	1.926	2.927	4.3	18.9	6 20	18 39.42	-20 17.7	1.944	2.948	3.7	19.0
6 30	18 30.62	-31 24.3	1.938	2.948	2.9	18.9	6 30	18 30.80	-20 30.9	1.931	2.947	1.0	18.8
7 10	18 21.17	-32 5.3	1.978	2.969	5.4	19.1	7 10	18 22.25	-20 44.7	1.946	2.945	4.4	19.1
7 20	18 12.91	-32 34.6	2.044	2.989	8.6	19.3	7 20	18 14.65	-20 58.4	1.987	2.944	8.1	19.3
7 30	18 6.64	-32 53.4	2.134	3.010	11.6	19.5	7 30	18 8.77	-21 11.8	2.052	2.942	11.4	19.5
247366	2001 <i>XN</i> ₃₈		6 28.8 236°38	4°9/27.8	18		401806	2014 <i>HN</i> ₁₇₆		6 28.9 347°48	3°3/27.5	18	
5 21	19 1.83	-36 58.4	2.531	3.330	12.3	20.9	5 21	19 0.32	-26 15.1	2.021	2.842	14.2	19.5
5 31	18 56.95	-37 46.7	2.437	3.320	10.0	20.7	5 31	18 56.19	-27 48.7	1.935	2.839	11.2	19.3
6 10	18 49.72	-38 30.5	2.365	3.310	7.6	20.5	6 10	18 49.49	-29 28.0	1.871	2.836	7.9	19.1
6 20	18 40.66	-39 5.4	2.319	3.299	5.6	20.4	6 20	18 40.70	-31 7.2	1.834	2.834	4.5	18.9
6 30	18 30.56	-39 27.5	2.300	3.288	5.0	20.3	6 30	18 30.62	-32 40.0	1.824	2.832	3.4	18.8
7 10	18 20.43	-39 34.9	2.308	3.276	6.4	20.4	7 10	18 20.37	-34 0.8	1.843	2.830	6.1	19.0
7 20	18 11.28	-39 27.8	2.342	3.264	8.8	20.5	7 20	18 11.10	-35 6.8	1.889	2.829	9.6	19.2
7 30	18 3.97	-39 8.6	2.400	3.252	11.3	20.7	7 30	18 3.83	-35 57.6	1.958	2.828	12.8	19.4
20984	1981 <i>EH</i> ₃₃		6 28.8 346°05	5°2/29.5	18		3						

EPHEMERIDES

6 28.9

6 28.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
99244	2001 <i>KV</i> ₅₄		6 28.9 347°44	4.9/30.9	18		152102	2004 <i>RD</i> ₁₀₇		6 28.9 213°85	1.1/28.7	18	
5 21	18 56.48	-6 20.7	1.525	2.337	18.4	17.8	5 21	18 57.91	-26 32.0	2.799	3.606	11.0	20.9
5 31	18 53.54	-7 12.5	1.439	2.329	15.2	17.6	5 31	18 53.32	-26 41.2	2.703	3.601	8.7	20.7
6 10	18 47.87	-8 28.2	1.371	2.322	11.4	17.3	6 10	18 46.96	-26 49.9	2.631	3.595	5.9	20.5
6 20	18 39.97	-10 7.6	1.325	2.316	7.4	17.1	6 20	18 39.28	-26 56.4	2.585	3.589	3.0	20.3
6 30	18 30.72	-12 7.4	1.305	2.311	4.9	16.9	6 30	18 30.90	-26 59.4	2.568	3.582	1.1	20.2
7 10	18 21.34	-14 20.6	1.310	2.306	6.8	17.0	7 10	18 22.57	-26 58.1	2.579	3.576	3.8	20.4
7 20	18 13.07	-16 38.4	1.342	2.303	10.8	17.2	7 20	18 15.00	-26 52.6	2.618	3.569	6.7	20.6
7 30	18 7.01	-18 53.0	1.398	2.300	14.9	17.5	7 30	18 8.84	-26 43.7	2.683	3.561	9.5	20.7
61768	2000 <i>QK</i> ₁₆₈		6 28.9 209°53	2.7/29.1	18		457595	2009 <i>BO</i> ₁₀		6 28.9 124°59	3.5/29.4	17	
5 21	18 59.60	-16 29.3	2.001	2.813	14.6	19.8	5 21	19 4.07	-14 13.2	1.736	2.544	16.7	22.4
5 31	18 55.18	-16 9.4	1.913	2.810	11.7	19.6	5 31	18 58.77	-14 1.3	1.668	2.562	13.3	22.2
6 10	18 48.50	-15 54.9	1.845	2.806	8.3	19.3	6 10	18 50.94	-13 58.1	1.621	2.578	9.5	22.0
6 20	18 40.08	-15 46.0	1.802	2.802	4.7	19.1	6 20	18 41.24	-14 3.9	1.597	2.594	5.6	21.8
6 30	18 30.73	-15 42.7	1.786	2.797	2.7	19.0	6 30	18 30.66	-14 17.7	1.600	2.609	3.5	21.7
7 10	18 21.46	-15 44.7	1.797	2.792	5.3	19.1	7 10	18 20.37	-14 38.4	1.630	2.623	6.0	21.9
7 20	18 13.20	-15 51.4	1.835	2.787	9.0	19.3	7 20	18 11.43	-15 4.2	1.685	2.637	9.7	22.2
7 30	18 6.79	-16 2.3	1.896	2.782	12.4	19.6	7 30	18 4.67	-15 33.6	1.765	2.650	13.2	22.4
39912	1998 <i>FN</i> ₄₀		6 28.9 280°04	1.1/28.8	18		302126	2001 <i>QA</i> ₁₇₇		6 28.9 71°80	5.9/30.0	18	
5 21	19 1.39	-25 39.2	1.503	2.341	17.4	18.5	5 21	18 56.03	-6 50.6	2.072	2.864	14.9	21.0
5 31	18 57.73	-25 43.4	1.413	2.328	13.9	18.3	5 31	18 52.18	-6 23.1	1.994	2.868	12.3	20.8
6 10	18 50.90	-25 48.1	1.343	2.314	9.6	18.0	6 10	18 46.34	-6 7.4	1.937	2.873	9.6	20.7
6 20	18 41.48	-25 50.4	1.295	2.301	4.8	17.7	6 20	18 39.02	-6 5.4	1.903	2.878	7.0	20.5
6 30	18 30.55	-25 47.8	1.271	2.287	1.3	17.4	6 30	18 30.94	-6 17.9	1.895	2.883	5.9	20.5
7 10	18 19.59	-25 38.9	1.273	2.274	6.1	17.7	7 10	18 22.98	-6 44.1	1.912	2.887	7.0	20.5
7 20	18 10.07	-25 24.2	1.299	2.260	11.1	17.9	7 20	18 15.95	-7 22.0	1.956	2.892	9.5	20.7
7 30	18 3.19	-25 6.1	1.347	2.247	15.5	18.2	7 30	18 10.54	-8 8.8	2.022	2.897	12.2	20.9
126576	2002 <i>CA</i> ₁₁₄		6 28.9 167°00	3.5/28.3	18		53772	2000 <i>EJ</i> ₈₇		6 28.9 55°23	2.4/28.7	18	
5 21	19 3.63	-31 38.1	2.163	2.973	13.7	20.6	5 21	19 2.13	-28 8.7	1.469	2.308	17.7	19.0
5 31	18 58.44	-32 16.7	2.081	2.977	11.0	20.4	5 31	18 58.06	-28 23.7	1.404	2.319	14.0	18.8
6 10	18 50.77	-32 52.8	2.022	2.980	7.8	20.3	6 10	18 50.87	-28 37.2	1.359	2.329	9.6	18.5
6 20	18 41.19	-33 22.4	1.987	2.983	4.8	20.1	6 20	18 41.32	-28 45.5	1.335	2.340	5.0	18.3
6 30	18 30.61	-33 41.6	1.980	2.986	3.6	20.0	6 30	18 30.65	-28 45.3	1.337	2.351	2.5	18.2
7 10	18 20.15	-33 48.9	2.001	2.988	5.8	20.1	7 10	18 20.35	-28 35.8	1.364	2.362	6.1	18.4
7 20	18 10.88	-33 44.4	2.048	2.989	8.9	20.3	7 20	18 11.76	-28 18.1	1.415	2.373	10.5	18.7
7 30	18 3.66	-33 30.6	2.120	2.990	11.9	20.5	7 30	18 5.86	-27 55.3	1.487	2.385	14.5	19.0
321985	2010 <i>UT</i> ₅₅		6 28.9 209°39	1.2/28.9	17		129913	1999 <i>TW</i> ₉₉		6 28.9 305°37	5.0/29.6	18	
5 21	19 1.10	-20 37.4	1.630	2.459	16.7	21.1	5 21	18 56.58	-12 16.3	1.391	2.226	18.7	19.1
5 31	18 56.94	-20 27.4	1.549	2.458	13.2	20.9	5 31	18 53.98	-11 59.4	1.301	2.208	15.3	18.8
6 10	18 50.00	-20 21.0	1.487	2.456	9.1	20.6	6 10	18 48.41	-11 55.1	1.229	2.191	11.4	18.6
6 20	18 40.90	-20 17.5	1.449	2.454	4.6	20.4	6 20	18 40.35	-12 5.4	1.179	2.174	7.2	18.3
6 30	18 30.65	-20 15.7	1.437	2.452	1.3	20.1	6 30	18 30.76	-12 30.7	1.151	2.158	5.0	18.1
7 10	18 20.53	-20 14.9	1.450	2.450	5.5	20.4	7 10	18 21.00	-13 9.6	1.147	2.142	7.6	18.2
7 20	18 11.74	-20 15.0	1.489	2.448	10.1	20.7	7 20	18 12.47	-13 59.1	1.166	2.126	12.1	18.4
7 30	18 5.28	-20 16.3	1.550	2.446	14.1	20.9	7 30	18 6.38	-14 55.6	1.206	2.111	16.6	18.6
479139	2013 <i>BY</i> ₅₄		6 28.9 177°47	3.5/28.5	18		150320	1999 <i>VQ</i> ₆₄		6 28.9 254°47	3.3/29.2	18	
5 21	19 1.45	-34 32.1	2.612	3.413	11.9	21.5	5 21	18 55.75	-13 47.8	2.476	3.277	12.5	19.6
5 31	18 56.29	-34 50.6	2.526	3.414	9.6	21.3	5 31	18 51.72	-13 20.5	2.382	3.271	10.0	19.4
6 10	18 49.05	-35 4.1	2.463	3.415	7.0	21.1	6 10	18 45.93	-12 58.6	2.310	3.264	7.3	19.2
6 20	18 40.28	-35 9.8	2.425	3.416	4.5	21.0	6 20	18 38.81	-12 43.0	2.264	3.256	4.6	19.0
6 30	18 30.74	-35 5.2	2.415	3.416	3.5	20.9	6 30	18 30.98	-12 34.3	2.245	3.249	3.3	18.9
7 10	18 21.36	-34 49.9	2.433	3.416	5.2	21.0	7 10	18 23.20	-12 32.4	2.253	3.242	5.0	19.0
7 20	18 12.99	-34 24.7	2.478	3.415	7.7	21.2	7 20	18 16.17	-12 37.0	2.289	3.235	7.8	19.2
7 30	18 6.35	-33 52.1	2.549	3.415	10.3	21.4	7 30	18 10.54	-12 47.4	2.349	3.227	10.6	19.4
177290	2003 <i>XD</i> ₁		6 28.9 218°34	4.2/28.5	17		180173	2003 <i>HU</i> ₄₀		6 28.9 37°58	3.8/29.2	18	
5 21	19 5.00	-32 26.5	1.682	2.506	16.5	20.7	5 21	18 56.21	-13 38.0	2.215	3.022	13.6	19.8
5 31	19 0.33	-32 54.9	1.599	2.502	13.2	20.5	5 31	18 52.22	-13 2.9	2.133	3.024	10.9	19.6
6 10	18 52.50	-33 19.4	1.536	2.497	9.5	20.2	6 10	18 46.32	-12 33.7	2.072	3.026	8.0	19.4
6 20	18 42.17	-33 34.9	1.496	2.493	5.9	20.0	6 20	18 39.00	-12 11.7	2.036	3.028	5.1	19.3
6 30	18 30.49	-33 36.9	1.482	2.488	4.3	19.9	6 30	18 30.97	-11 57.7	2.026	3.030	3.8	19.2
7 10	18 18.94	-33 23.8	1.493	2.483	6.9	20.1	7 10	18 23.06	-11 51.9	2.044	3.032	5.5	19.3
7 20	18 8.95	-32 57.1	1.529	2.477	10.8	20.3	7 20	18 16.05	-11 53.9	2.088	3.034	8.4	19.5
7 30	18 1.62	-32 20.8	1.588	2.472	14.5	20.5	7 30	18 10.61	-12 2.9	2.156	3.036	11.3	19.7
153429	2001 <i>QB</i> ₂₁₆		6 28.9 310°42	1.9/29.1	18		257535	1998 <i>DG</i> ₁₃		6 28.9 126°79	11.9/3.3	17	
5 21	18 56.54	-18 44.3	1.441	2.284	17.7	20.3	5 21	19 1.89	+9 41.1	1.881	2.593	18.8	20.7
5 31	18 53.98	-18 41.8	1.347	2.264	14.2	20.0	5 31	18 56.85	+10 20.2	1.818	2.608	16.8	20.6
6 10	18 48.43	-18 46.4	1.272	2.243	10.0	19.7	6 10	18 49.54	+10 35.0	1.771	2.623	14.7	20.5
6 20	18 40.35	-18 57.7	1.218	2.223	5.2	19.4	6 20	18 40.55	+10 21.0	1.743	2.637	13.0	20.4
6 30	18 30.71	-19 14.5	1.188	2.203	1.9	19.1	6 30	18 30.77	+9 36.2	1.738	2.650	12.0	20.3
7 10	18 20.90	-19 35.0	1.183	2.184	6.2	19.3	7 10	18 21.21	+8 22.2	1.756	2.663	12.2	20.4
7 20	18 12.31	-19 57.6	1.201	2.166	11.3	19.6	7 20	18 12.81	+6 43.9	1.798	2.675	13.4	20.5
7 30	18 6.19	-20 21.3	1.240	2.147	16.0	19.8	7 30	18 6.33	+4 48.2	1.861	2.686	15.2	20.6
399877	2005 <i>VD</i> ₁₀₂		6 28.9 236°82	0.6/28.8	18		16562						

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
150106	5084 T_{-3}		6 28.9 286°47	1°2/29.1	18		101000	1998 QT_{43}		6 28.9 322°46	2°1/28.6	18	
5 21	18 59.89	-18 46.7	1.586	2.417	17.0	20.7	5 21	18 55.87	-25 13.0	1.260	2.120	18.8	19.1
5 31	18 56.54	-19 0.7	1.480	2.390	13.7	20.4	5 31	18 54.11	-25 43.8	1.172	2.099	15.1	18.8
6 10	18 50.20	-19 23.2	1.394	2.363	9.6	20.1	6 10	18 48.93	-26 19.4	1.102	2.079	10.5	18.5
6 20	18 41.28	-19 53.1	1.330	2.335	4.9	19.8	6 20	18 40.78	-26 55.8	1.053	2.060	5.4	18.1
6 30	18 30.65	-20 28.1	1.291	2.307	1.3	19.5	6 30	18 30.77	-27 28.1	1.027	2.042	2.2	17.9
7 10	18 19.64	-21 5.3	1.277	2.278	6.0	19.7	7 10	18 20.56	-27 52.4	1.023	2.024	7.0	18.1
7 20	18 9.66	-21 42.2	1.289	2.250	11.1	19.9	7 20	18 11.83	-28 6.9	1.042	2.008	12.5	18.3
7 30	18 2.02	-22 17.5	1.322	2.221	15.8	20.1	7 30	18 6.05	-28 12.6	1.080	1.993	17.4	18.6
244875	2003 UQ_{272}		6 28.9 198°28	3°3/29.4	18		36217	1999 TN_{216}		6 28.9 46°69	2°4/29.2	18	
5 21	18 58.22	-12 52.7	2.519	3.312	12.5	21.5	5 21	18 56.08	-16 20.9	2.144	2.959	13.7	18.9
5 31	18 53.60	-12 36.9	2.425	3.308	10.1	21.3	5 31	18 52.21	-16 8.5	2.067	2.966	10.9	18.7
6 10	18 47.19	-12 27.7	2.354	3.305	7.4	21.1	6 10	18 46.37	-16 1.8	2.011	2.973	7.6	18.5
6 20	18 39.42	-12 25.5	2.309	3.300	4.6	20.9	6 20	18 39.06	-16 0.8	1.980	2.980	4.3	18.3
6 30	18 30.93	-12 30.5	2.291	3.295	3.3	20.8	6 30	18 31.04	-16 5.2	1.976	2.987	2.4	18.2
7 10	18 22.47	-12 42.1	2.302	3.290	5.0	20.9	7 10	18 23.16	-16 14.2	1.998	2.994	4.8	18.4
7 20	18 14.78	-12 59.6	2.340	3.284	7.8	21.1	7 20	18 16.23	-16 27.1	2.047	3.002	8.1	18.6
7 30	18 8.51	-13 21.8	2.403	3.278	10.5	21.2	7 30	18 10.94	-16 43.1	2.121	3.010	11.1	18.8
158451	2002 CP_{121}		6 28.9 199°83	1°2/29.0	17		355025	2006 QC_{168}		6 28.9 284°71	6°7/30.4	18	
5 21	19 0.14	-19 44.7	2.006	2.822	14.5	21.1	5 21	18 55.84	-4 4.9	2.092	2.874	15.1	21.2
5 31	18 55.68	-19 43.2	1.919	2.820	11.4	20.9	5 31	18 52.25	-3 46.7	1.994	2.859	12.7	21.0
6 10	18 48.89	-19 45.7	1.853	2.818	7.9	20.6	6 10	18 46.58	-3 42.5	1.916	2.843	10.2	20.8
6 20	18 40.33	-19 51.4	1.811	2.815	4.0	20.4	6 20	18 39.28	-3 54.8	1.860	2.827	7.8	20.7
6 30	18 30.81	-19 59.1	1.797	2.812	1.2	20.2	6 30	18 31.01	-4 24.5	1.829	2.811	6.7	20.6
7 10	18 21.36	-20 7.9	1.810	2.809	4.8	20.4	7 10	18 22.66	-5 11.0	1.825	2.795	7.7	20.6
7 20	18 12.97	-20 17.0	1.849	2.805	8.7	20.7	7 20	18 15.09	-6 11.7	1.846	2.779	10.2	20.7
7 30	18 6.45	-20 26.5	1.913	2.801	12.2	20.9	7 30	18 9.11	-7 22.8	1.890	2.763	13.0	20.9
342662	2008 VR_{10}		6 28.9 349°48	11°7/28.4	17		190569	2000 SY_{190}		6 28.9 334°80	7°4/28.9	18	
5 21	18 48.98	-6 8.7	1.148	1.995	21.1	19.6	5 21	18 54.20	-10 56.6	1.370	2.207	18.8	19.5
5 31	18 48.23	-4 13.3	1.078	1.982	18.1	19.4	5 31	18 51.97	-9 44.1	1.288	2.193	15.6	19.2
6 10	18 44.52	-2 30.2	1.024	1.970	15.0	19.2	6 10	18 46.92	-8 40.2	1.224	2.180	12.0	19.0
6 20	18 38.44	-1 8.2	0.989	1.959	12.5	19.0	6 20	18 39.59	-7 49.6	1.182	2.168	8.7	18.7
6 30	18 31.04	-0 14.9	0.974	1.951	11.7	18.9	6 30	18 30.97	-7 16.2	1.161	2.157	7.4	18.6
7 10	18 23.71	+0 5.4	0.979	1.945	13.2	19.0	7 10	18 22.37	-7 2.5	1.164	2.147	9.4	18.7
7 20	18 17.78	-0 6.6	1.003	1.941	16.1	19.1	7 20	18 15.05	-7 8.1	1.188	2.138	13.1	18.9
7 30	18 14.36	-0 46.4	1.044	1.938	19.4	19.3	7 30	18 10.08	-7 30.6	1.233	2.130	16.9	19.1
277766	2006 DH_{160}		6 28.9 303°91	2°1/29.2	16		291215	2006 AY_{101}		6 28.9 297°47	0°3/28.9	18	
5 21	18 57.21	-17 38.8	1.705	2.534	16.0	20.8	5 21	18 59.12	-24 8.8	1.650	2.486	16.2	21.3
5 31	18 53.89	-17 34.8	1.614	2.522	12.8	20.6	5 31	18 55.70	-24 6.8	1.553	2.466	12.9	21.1
6 10	18 47.98	-17 37.6	1.543	2.510	9.0	20.3	6 10	18 49.43	-24 6.0	1.476	2.447	8.9	20.8
6 20	18 40.01	-17 46.8	1.496	2.499	4.8	20.1	6 20	18 40.81	-24 4.6	1.422	2.428	4.4	20.5
6 30	18 30.84	-18 1.5	1.473	2.487	2.2	19.9	6 30	18 30.81	-24 0.7	1.393	2.409	0.7	20.1
7 10	18 21.65	-18 20.3	1.477	2.476	5.6	20.1	7 10	18 20.71	-23 53.2	1.389	2.390	5.6	20.5
7 20	18 13.56	-18 41.9	1.505	2.465	9.9	20.3	7 20	18 11.82	-23 42.6	1.411	2.372	10.3	20.7
7 30	18 7.56	-19 5.2	1.556	2.454	13.9	20.5	7 30	18 5.25	-23 30.1	1.454	2.353	14.6	20.9
174930	2004 CP_{52}		6 28.9 53°85	0°6/28.9	18		281449	2008 SR_{100}		6 28.9 285°30	1°3/29.1	17	
5 21	18 57.91	-20 37.7	1.907	2.732	14.8	20.2	5 21	18 58.49	-18 57.4	1.817	2.641	15.4	20.8
5 31	18 53.94	-20 46.2	1.834	2.741	11.6	20.0	5 31	18 54.67	-19 2.4	1.732	2.638	12.2	20.5
6 10	18 47.69	-20 59.0	1.782	2.750	7.9	19.8	6 10	18 48.38	-19 13.2	1.667	2.634	8.5	20.3
6 20	18 39.72	-21 14.6	1.755	2.760	3.9	19.6	6 20	18 40.17	-19 28.8	1.627	2.631	4.3	20.0
6 30	18 30.90	-21 31.2	1.753	2.770	0.8	19.4	6 30	18 30.91	-19 47.6	1.612	2.627	1.4	19.8
7 10	18 22.28	-21 47.5	1.779	2.780	4.7	19.7	7 10	18 21.70	-20 8.1	1.624	2.624	5.1	20.1
7 20	18 14.78	-22 2.5	1.831	2.790	8.5	19.9	7 20	18 13.60	-20 28.9	1.662	2.621	9.2	20.3
7 30	18 9.22	-22 16.1	1.907	2.800	12.0	20.2	7 30	18 7.51	-20 49.5	1.723	2.617	13.0	20.5
460484	2014 SG_{298}		6 28.9 36°74	0°9/28.9	17		332093	2005 UP_{103}		6 28.9 329°10	1°0/28.8	17	
5 21	19 1.23	-22 57.2	1.238	2.088	19.7	20.4	5 21	18 54.07	-23 27.1	1.249	2.111	18.8	20.6
5 31	18 57.74	-22 32.4	1.173	2.094	15.5	20.1	5 31	18 52.63	-23 48.9	1.161	2.090	15.0	20.3
6 10	18 50.86	-22 9.0	1.126	2.100	10.6	19.8	6 10	18 47.87	-24 16.3	1.092	2.069	10.4	19.9
6 20	18 41.40	-21 46.1	1.100	2.107	5.2	19.6	6 20	18 40.26	-24 46.5	1.043	2.050	5.1	19.6
6 30	18 30.69	-21 23.1	1.098	2.114	1.1	19.3	6 30	18 30.88	-25 15.8	1.016	2.032	1.2	19.2
7 10	18 20.37	-21 0.6	1.120	2.122	6.4	19.7	7 10	18 21.32	-25 40.6	1.012	2.015	6.7	19.6
7 20	18 11.90	-20 39.7	1.164	2.130	11.6	20.0	7 20	18 13.19	-25 59.1	1.030	2.000	12.2	19.8
7 30	18 6.34	-20 22.3	1.230	2.138	16.1	20.3	7 30	18 7.93	-26 11.4	1.068	1.985	17.2	20.0
326925	2004 BN_{18}		6 28.9 100°81	5°3/26.8	18		73930	1997 PV		6 28.9 322°56	1°7/28.8	18	
5 21	19 11.56	-21 42.7	1.053	1.898	22.7	19.9	5 21	18 59.28	-27 39.5	1.807	2.638	15.2	19.2
5 31	19 7.30	-24 32.4	0.990	1.908	18.0	19.6	5 31	18 55.45	-27 42.1	1.721	2.631	12.1	19.0
6 10	18 58.49	-27 43.5	0.946	1.918	12.5	19.3	6 10	18 48.99	-27 43.1	1.656	2.625	8.3	18.8
6 20	18 45.59	-31 1.0	0.926	1.929	7.1	19.1	6 20	18 40.48	-27 39.9	1.614	2.618	4.3	18.5
6 30	18 30.11	-34 5.0	0.931	1.938	5.7	19.0	6 30	18 30.89	-27 30.6	1.598	2.613	1.8	18.3
7 10	18 14.39	-36 38.6	0.961	1.948	10.2	19.3	7 10	18 21.41	-27 14.5	1.608	2.607	5.3	18.5
7 20	18 0.88	-38 34.0	1.015	1.957	15.5	19.6	7 20	18 13.19	-26 52.5	1.644	2.602	9.4	18.8
7 30	17 51.51	-39 53.8	1.088	1.966	20.0	20.0	7 30	18 7.15	-26 27.0	1.703	2.597	13.1	19.0
154921	2004 ST_{32}		6 28.9 331°02	2°5/28.5	18		509033	2005 QK_{180}		6 28.9 308°69	7°9/27.1	17	

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
342809	2008 <i>XK</i> ₃		6 28.9 186°09		3:7/28.6	18	459870	2014 <i>AT</i> ₂₈		6 28.9 28°64		0:6/28.8	18
5 21	19 4.38	-34 56.8	2.580	3.376	12.2	21.7	5 21	19 4.05	-27 16.4	6.987	7.744	5.2	21.1
5 31	18 58.66	-35 15.4	2.491	3.375	9.8	21.6	5 31	18 56.69	-27 23.1	6.896	7.765	4.1	21.0
6 10	18 50.75	-35 28.7	2.425	3.375	7.2	21.4	6 10	18 48.56	-27 28.0	6.834	7.785	2.8	20.9
6 20	18 41.20	-35 33.5	2.384	3.373	4.7	21.2	6 20	18 39.91	-27 30.5	6.806	7.806	1.4	20.8
6 30	18 30.82	-35 27.1	2.371	3.371	3.7	21.2	6 30	18 31.04	-27 30.1	6.813	7.826	0.6	20.7
7 10	18 20.60	-35 9.1	2.387	3.369	5.3	21.3	7 10	18 22.26	-27 26.5	6.856	7.847	1.7	20.9
7 20	18 11.44	-34 40.4	2.430	3.366	8.0	21.4	7 20	18 13.88	-27 19.9	6.933	7.868	3.1	21.0
7 30	18 4.10	-34 3.9	2.499	3.362	10.6	21.6	7 30	18 6.18	-27 10.8	7.044	7.889	4.3	21.1
56363	2000 <i>CP</i> ₉₃		6 28.9 161°28		0:9/29.0	18	232863	2004 <i>TC</i> ₂₈₁		6 28.9 126°59		0:1/28.9	17
5 21	18 58.96	-20 43.5	2.055	2.874	14.1	20.3	5 21	18 59.60	-21 55.5	1.844	2.669	15.2	21.2
5 31	18 54.68	-20 41.1	1.972	2.875	11.1	20.1	5 31	18 55.52	-22 9.8	1.763	2.670	12.0	21.0
6 10	18 48.18	-20 41.9	1.910	2.876	7.6	19.8	6 10	18 48.94	-22 27.9	1.703	2.672	8.2	20.8
6 20	18 40.01	-20 45.0	1.873	2.878	3.8	19.6	6 20	18 40.45	-22 48.0	1.667	2.673	4.0	20.5
6 30	18 30.97	-20 49.2	1.863	2.879	0.9	19.4	6 30	18 30.93	-23 7.6	1.657	2.674	0.5	20.2
7 10	18 22.05	-20 53.7	1.880	2.879	4.6	19.7	7 10	18 21.53	-23 25.2	1.675	2.675	4.9	20.6
7 20	18 14.16	-20 58.1	1.923	2.880	8.3	19.9	7 20	18 13.28	-23 39.7	1.718	2.676	9.0	20.8
7 30	18 8.10	-21 2.6	1.991	2.881	11.7	20.1	7 30	18 7.10	-23 51.4	1.784	2.677	12.7	21.0
23874	1998 <i>RB</i> ₇₇		6 28.9 230°30		1:3/29.1	18	16134	1999 <i>XE</i> ₁₀₀		6 28.9 211°12		0:9/28.7	18
5 21	18 58.54	-18 34.5	2.138	2.952	13.8	18.4	5 21	18 57.36	-24 53.9	2.932	3.738	10.6	18.8
5 31	18 54.34	-18 40.0	2.046	2.946	10.9	18.2	5 31	18 52.88	-25 18.4	2.836	3.732	8.3	18.6
6 10	18 47.98	-18 50.7	1.975	2.939	7.6	18.0	6 10	18 46.71	-25 44.0	2.763	3.726	5.7	18.4
6 20	18 39.94	-19 5.7	1.930	2.933	3.9	17.7	6 20	18 39.26	-26 9.0	2.716	3.720	2.8	18.2
6 30	18 30.97	-19 23.8	1.911	2.926	1.4	17.5	6 30	18 31.10	-26 31.6	2.699	3.714	1.0	18.1
7 10	18 22.02	-19 43.5	1.921	2.920	4.6	17.7	7 10	18 22.95	-26 50.4	2.710	3.707	3.6	18.3
7 20	18 13.98	-20 3.8	1.957	2.913	8.3	18.0	7 20	18 15.48	-27 4.9	2.750	3.700	6.5	18.4
7 30	18 7.67	-20 24.1	2.017	2.905	11.7	18.2	7 30	18 9.30	-27 15.3	2.816	3.692	9.1	18.6
352159	2007 <i>QS</i> ₁₁		6 28.9 290°52		2:8/28.6	18	65263	2002 <i>GA</i> ₁₆		6 28.9 331°59		5:0/28.2	18
5 21	19 0.81	-29 42.7	1.896	2.720	14.9	21.4	5 21	18 56.34	-30 8.8	1.139	2.004	20.0	18.6
5 31	18 56.88	-30 0.1	1.790	2.695	11.9	21.1	5 31	18 54.97	-30 56.0	1.060	1.989	16.1	18.3
6 10	18 50.18	-30 15.8	1.704	2.670	8.5	20.9	6 10	18 49.78	-31 43.5	0.999	1.974	11.6	18.0
6 20	18 41.19	-30 26.3	1.643	2.644	4.7	20.6	6 20	18 41.30	-32 24.9	0.958	1.960	7.0	17.7
6 30	18 30.80	-30 28.1	1.607	2.618	2.9	20.4	6 30	18 30.82	-32 53.0	0.938	1.948	5.1	17.5
7 10	18 20.26	-30 19.4	1.598	2.592	5.9	20.6	7 10	18 20.25	-33 3.2	0.940	1.936	8.7	17.7
7 20	18 10.81	-30 0.7	1.614	2.567	10.0	20.7	7 20	18 11.51	-32 55.5	0.963	1.926	13.7	17.9
7 30	18 3.55	-29 34.4	1.653	2.541	13.8	20.9	7 30	18 6.15	-32 33.4	1.004	1.917	18.5	18.2
431096	2006 <i>DY</i> ₁₇₀		6 28.9 351°38		4:4/28.3	16	222472	2001 <i>SC</i> ₁₅		6 28.9 254°33		6:5/27.9	18
5 21	19 1.08	-32 19.6	1.722	2.551	15.9	21.3	5 21	19 5.71	-37 51.0	1.865	2.676	15.6	20.6
5 31	18 57.19	-32 59.9	1.644	2.550	12.8	21.1	5 31	19 1.06	-38 43.7	1.774	2.662	12.9	20.4
6 10	18 50.36	-33 37.2	1.586	2.548	9.2	20.8	6 10	18 53.20	-39 30.6	1.703	2.649	9.9	20.2
6 20	18 41.21	-34 6.5	1.551	2.547	5.8	20.6	6 20	18 42.70	-40 5.3	1.655	2.635	7.4	20.0
6 30	18 30.82	-34 23.2	1.542	2.547	4.5	20.6	6 30	18 30.66	-40 21.7	1.632	2.621	6.6	20.0
7 10	18 20.56	-34 25.1	1.558	2.546	6.9	20.7	7 10	18 18.58	-40 16.8	1.635	2.606	8.4	20.0
7 20	18 11.74	-34 13.0	1.599	2.546	10.5	20.9	7 20	18 7.93	-39 51.8	1.663	2.591	11.4	20.2
7 30	18 5.39	-33 50.0	1.662	2.546	13.9	21.1	7 30	17 59.94	-39 11.1	1.713	2.576	14.6	20.3
496850	1999 <i>UK</i> ₁₂		6 28.9 244°26		2:3/28.5	17	505621	2014 <i>FL</i> ₃₉		6 28.9 185°27		3:0/28.1	18
5 21	19 4.26	-27 28.8	1.928	2.745	14.9	22.6	5 21	19 0.02	-28 56.1	2.228	3.044	13.2	20.8
5 31	18 59.48	-28 0.4	1.826	2.728	11.9	22.4	5 31	18 55.64	-29 49.4	2.143	3.044	10.5	20.6
6 10	18 51.91	-28 33.1	1.745	2.710	8.3	22.2	6 10	18 48.95	-30 43.2	2.081	3.044	7.4	20.4
6 20	18 42.01	-29 3.1	1.689	2.691	4.5	21.9	6 20	18 40.46	-31 33.5	2.044	3.043	4.3	20.3
6 30	18 30.71	-29 26.5	1.659	2.672	2.4	21.7	6 30	18 30.96	-32 16.4	2.035	3.043	3.1	20.2
7 10	18 19.23	-29 40.6	1.657	2.652	5.7	21.9	7 10	18 21.46	-32 49.2	2.054	3.043	5.4	20.3
7 20	18 8.85	-29 44.8	1.681	2.631	9.8	22.1	7 20	18 12.96	-33 11.0	2.099	3.042	8.6	20.5
7 30	18 0.67	-29 40.8	1.729	2.610	13.6	22.3	7 30	18 6.30	-33 22.8	2.168	3.042	11.6	20.7
277523	2005 <i>XW</i> ₁₉		6 28.9 165°71		1:6/28.7	17	181094	2005 <i>QF</i> ₅₆		6 28.9 300°69		4:1/29.7	18
5 21	19 2.14	-26 11.1	1.995	2.813	14.5	21.9	5 21	18 55.48	-11 20.3	2.090	2.896	14.3	20.0
5 31	18 57.38	-26 35.1	1.913	2.816	11.4	21.7	5 31	18 51.97	-11 10.8	1.996	2.885	11.6	19.8
6 10	18 50.14	-26 59.8	1.853	2.819	7.8	21.4	6 10	18 46.40	-11 11.0	1.923	2.875	8.6	19.6
6 20	18 41.00	-27 22.4	1.817	2.822	4.0	21.2	6 20	18 39.21	-11 21.6	1.874	2.865	5.6	19.4
6 30	18 30.85	-27 39.8	1.809	2.824	1.7	21.1	6 30	18 31.12	-11 42.6	1.851	2.855	4.1	19.3
7 10	18 20.83	-27 50.4	1.828	2.825	5.0	21.3	7 10	18 23.00	-12 13.1	1.855	2.845	5.8	19.4
7 20	18 11.98	-27 54.1	1.874	2.827	8.8	21.5	7 20	18 15.73	-12 51.1	1.884	2.835	8.9	19.5
7 30	18 5.18	-27 52.1	1.943	2.828	12.2	21.7	7 30	18 10.08	-13 34.6	1.938	2.825	12.1	19.7
437060	2012 <i>UV</i> ₄₀		6 28.9 320°41		2:1/28.6	16	139238	2001 <i>HP</i> ₂₂		6 28.9 54°25		2:2/28.7	18
5 21	18 58.51	-26 16.6	1.696	2.531	15.9	21.2	5 21	19 2.21	-26 50.5	1.370	2.214	18.5	19.1
5 31	18 55.13	-26 48.6	1.610	2.523	12.6	21.0	5 31	18 58.33	-27 13.1	1.310	2.227	14.6	18.8
6 10	18 48.97	-27 22.7	1.544	2.514	8.7	20.7	6 10	18 51.19	-27 36.0	1.269	2.240	10.0	18.6
6 20	18 40.57	-27 55.3	1.502	2.507	4.5	20.5	6 20	18 41.60	-27 55.1	1.249	2.254	5.1	18.4
6 30	18 30.90	-28 22.6	1.485	2.499	2.2	20.3	6 30	18 30.84	-28 6.6	1.254	2.268	2.3	18.2
7 10	18 21.23	-28 41.9	1.494	2.492	5.8	20.5	7 10	18 20.49	-28 8.9	1.283	2.283	6.3	18.5
7 20	18 12.80	-28 52.6	1.528	2.485	10.0	20.7	7 20	18 11.92	-28 2.7	1.337	2.297	10.9	18.8
7 30	18 6.66	-28 55.6	1.584	2.478	13.9	21.0	7 30	18 6.17	-27 50.4	1.412	2.312	14.9	19.1
394334	2006 <i>WV</i> ₁₉₃		6 28.9 213°06		0:6/28.8	18	503997						

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
19277	1995 YD		6 28.9 197°45	1.1°/29.2	18		309999	2009 HO ₁₀₃		6 28.9 302°76	1.9°/29.4	18	
5 21	18 57.08	-18 33.1	2.706	3.509	11.5	19.6	5 21	18 56.46	-15 59.9	2.067	2.882	14.1	20.5
5 31	18 52.70	-18 43.7	2.612	3.507	9.1	19.4	5 31	18 52.86	-16 18.1	1.973	2.873	11.3	20.3
6 10	18 46.61	-18 58.5	2.542	3.504	6.3	19.2	6 10	18 47.08	-16 44.6	1.900	2.863	7.9	20.0
6 20	18 39.22	-19 16.7	2.498	3.501	3.2	19.0	6 20	18 39.60	-17 18.7	1.852	2.854	4.3	19.8
6 30	18 31.14	-19 37.2	2.482	3.498	1.1	18.9	6 30	18 31.14	-17 58.6	1.831	2.845	1.9	19.6
7 10	18 23.09	-19 58.7	2.496	3.494	3.7	19.1	7 10	18 22.62	-18 42.1	1.837	2.835	4.8	19.8
7 20	18 15.75	-20 20.3	2.537	3.490	6.8	19.2	7 20	18 14.98	-19 26.9	1.869	2.826	8.5	20.0
7 30	18 9.75	-20 41.5	2.604	3.486	9.6	19.4	7 30	18 9.04	-20 11.2	1.925	2.818	11.9	20.2
38811	2000 RW ₇₁		6 28.9 317°92	8°3/26.9	18		136675	1995 SA ₂₃		6 28.9 181°96	0°1/28.9	17	
5 21	19 0.54	-40 38.7	1.810	2.626	15.8	18.6	5 21	19 2.98	-22 23.0	1.917	2.733	15.0	21.3
5 31	18 57.40	-41 51.1	1.714	2.602	13.3	18.4	5 31	18 58.11	-22 36.8	1.832	2.734	11.9	21.1
6 10	18 50.99	-42 57.8	1.639	2.578	10.8	18.2	6 10	18 50.71	-22 53.8	1.769	2.735	8.1	20.9
6 20	18 41.77	-43 51.1	1.585	2.554	8.8	18.0	6 20	18 41.35	-23 11.9	1.730	2.735	3.9	20.6
6 30	18 30.80	-44 23.9	1.556	2.531	8.4	18.0	6 30	18 30.93	-23 28.9	1.718	2.734	0.5	20.4
7 10	18 19.59	-44 32.0	1.551	2.508	10.0	18.0	7 10	18 20.59	-23 42.9	1.733	2.733	4.9	20.7
7 20	18 9.75	-44 15.4	1.568	2.486	12.7	18.1	7 20	18 11.43	-23 53.5	1.775	2.731	9.0	20.9
7 30	18 2.63	-43 38.2	1.607	2.464	15.7	18.2	7 30	18 4.33	-24 1.1	1.841	2.729	12.6	21.2
236569	2006 HS ₈₈		6 28.9 133°03	2°2/29.3	17		227403	2005 UA ₄₃₂		6 28.9 12°24	2°6/29.2	17	
5 21	18 59.71	-16 14.2	2.242	3.046	13.5	21.6	5 21	18 58.39	-17 33.4	1.557	2.391	17.1	20.9
5 31	18 54.95	-16 11.7	2.164	3.057	10.7	21.4	5 31	18 54.91	-17 17.6	1.481	2.391	13.7	20.6
6 10	18 48.21	-16 15.1	2.109	3.068	7.5	21.2	6 10	18 48.72	-17 8.3	1.425	2.392	9.6	20.4
6 20	18 40.00	-16 24.0	2.079	3.078	4.2	21.0	6 20	18 40.43	-17 5.5	1.391	2.394	5.2	20.1
6 30	18 31.08	-16 37.5	2.076	3.088	2.2	20.9	6 30	18 31.05	-17 8.9	1.382	2.395	2.6	20.0
7 10	18 22.30	-16 54.6	2.102	3.098	4.6	21.1	7 10	18 21.82	-17 17.4	1.398	2.397	5.9	20.2
7 20	18 14.49	-17 14.3	2.154	3.107	7.9	21.3	7 20	18 13.91	-17 30.1	1.439	2.400	10.2	20.4
7 30	18 8.33	-17 35.7	2.232	3.115	10.9	21.5	7 30	18 8.27	-17 46.3	1.502	2.402	14.2	20.7
133713	2003 UO ₂₄₈		6 28.9 89°52	6°3/29.6	17		394072	2005 YY ₁₆₁		6 28.9 315°26	5°1/30.4	18	
5 21	18 57.86	-7 52.2	1.955	2.750	15.5	20.0	5 21	18 55.56	-7 47.0	1.916	2.717	15.6	20.5
5 31	18 53.72	-7 3.4	1.882	2.759	12.8	19.8	5 31	18 52.53	-7 59.7	1.800	2.684	13.0	20.3
6 10	18 47.47	-6 25.4	1.830	2.768	9.9	19.7	6 10	18 47.15	-8 28.3	1.705	2.651	9.9	20.0
6 20	18 39.67	-6 0.5	1.801	2.776	7.4	19.5	6 20	18 39.78	-9 14.3	1.632	2.618	6.8	19.8
6 30	18 31.12	-5 50.4	1.798	2.785	6.3	19.5	6 30	18 31.11	-10 17.6	1.584	2.585	5.1	19.6
7 10	18 22.74	-5 55.3	1.820	2.793	7.5	19.6	7 10	18 22.08	-11 36.0	1.563	2.553	6.7	19.6
7 20	18 15.40	-6 13.7	1.868	2.801	10.1	19.7	7 20	18 13.75	-13 5.2	1.568	2.521	10.2	19.7
7 30	18 9.82	-6 43.2	1.938	2.810	12.8	19.9	7 30	18 7.13	-14 40.7	1.597	2.489	13.9	19.9
88401	2001 QN ₂₄		6 28.9 284°35	5°9/28.1	18		70731	1999 VA ₆		6 28.9 184°87	4°1/29.3	18	
5 21	19 3.91	-33 5.2	1.377	2.217	18.6	19.7	5 21	18 59.20	-11 28.8	2.562	3.348	12.5	20.3
5 31	19 0.68	-33 55.8	1.285	2.196	15.2	19.4	5 31	18 54.32	-10 52.5	2.472	3.348	10.2	20.1
6 10	18 53.62	-34 44.8	1.211	2.175	11.3	19.1	6 10	18 47.69	-10 22.4	2.404	3.347	7.6	20.0
6 20	18 43.20	-35 24.9	1.158	2.154	7.4	18.8	6 20	18 39.75	-9 59.7	2.362	3.346	5.1	19.8
6 30	18 30.64	-35 48.3	1.129	2.133	6.0	18.7	6 30	18 31.15	-9 45.2	2.348	3.345	4.1	19.7
7 10	18 17.80	-35 50.4	1.123	2.111	8.9	18.8	7 10	18 22.63	-9 39.3	2.362	3.342	5.5	19.8
7 20	18 6.60	-35 31.4	1.140	2.090	13.5	19.0	7 20	18 14.88	-9 41.7	2.403	3.340	8.0	20.0
7 30	17 58.67	-34 56.2	1.177	2.069	17.9	19.2	7 30	18 8.55	-9 51.4	2.470	3.336	10.6	20.1
186365	2002 GN ₁₀₃		6 28.9 102°98	1°9/28.4	18		501307	2013 WD ₇₄		6 28.9 167°32	0°7/29.1	17	
5 21	18 57.24	-25 38.4	2.014	2.841	14.0	19.7	5 21	19 0.85	-19 53.5	2.297	3.104	13.2	22.6
5 31	18 53.57	-26 25.1	1.937	2.845	11.0	19.5	5 31	18 55.94	-20 6.5	2.212	3.108	10.4	22.4
6 10	18 47.59	-27 14.4	1.881	2.849	7.6	19.3	6 10	18 48.96	-20 23.8	2.149	3.112	7.1	22.3
6 20	18 39.82	-28 2.8	1.850	2.854	3.9	19.1	6 20	18 40.42	-20 43.9	2.112	3.116	3.5	22.0
6 30	18 31.10	-28 46.5	1.846	2.860	2.0	19.0	6 30	18 31.07	-21 5.0	2.103	3.119	0.8	21.8
7 10	18 22.44	-29 22.8	1.869	2.865	5.0	19.2	7 10	18 21.79	-21 25.8	2.122	3.121	4.2	22.1
7 20	18 14.85	-29 50.4	1.918	2.871	8.6	19.4	7 20	18 13.45	-21 45.3	2.169	3.123	7.7	22.3
7 30	18 9.15	-30 9.8	1.991	2.878	11.8	19.6	7 30	18 6.79	-22 3.3	2.241	3.124	10.9	22.5
471566	2012 QV ₂₄		6 28.9 271°56	6°1/28.2	18		475614	2006 UZ ₁₅₈		6 28.9 214°26	1°8/28.6	18	
5 21	19 6.13	-38 37.2	2.070	2.872	14.6	21.7	5 21	18 59.23	-27 4.2	2.291	3.107	12.9	22.0
5 31	19 1.16	-39 13.8	1.965	2.847	12.1	21.5	5 31	18 54.88	-27 33.4	2.203	3.105	10.2	21.8
6 10	18 53.18	-39 43.8	1.880	2.823	9.4	21.2	6 10	18 48.37	-28 3.1	2.137	3.102	7.0	21.6
6 20	18 42.70	-40 1.3	1.818	2.797	6.9	21.0	6 20	18 40.18	-28 30.4	2.096	3.099	3.7	21.4
6 30	18 30.73	-40 1.1	1.783	2.771	6.1	20.9	6 30	18 31.10	-28 52.8	2.083	3.096	1.9	21.3
7 10	18 18.65	-39 41.1	1.774	2.745	7.8	21.0	7 10	18 22.05	-29 8.3	2.098	3.093	4.7	21.5
7 20	18 7.82	-39 2.3	1.790	2.718	10.8	21.1	7 20	18 13.94	-29 16.7	2.140	3.090	8.0	21.7
7 30	17 59.43	-38 9.0	1.830	2.691	13.9	21.3	7 30	18 7.58	-29 18.8	2.206	3.087	11.1	21.9
506473	2003 AE ₁₈		6 28.9 118°10	2°0/28.4	18		387773	2003 TF ₅₁		6 28.9 205°32	2°5/29.0	18	
5 21	19 1.04	-28 5.2	2.620	3.424	11.8	21.8	5 21	19 0.22	-17 19.0	2.412	3.213	12.8	21.5
5 31	18 55.85	-28 42.5	2.547	3.442	9.2	21.6	5 31	18 55.30	-16 46.1	2.317	3.208	10.2	21.3
6 10	18 48.76	-29 19.3	2.498	3.459	6.4	21.5	6 10	18 48.46	-16 16.0	2.245	3.203	7.2	21.1
6 20	18 40.26	-29 52.6	2.475	3.475	3.5	21.3	6 20	18 40.17	-15 49.4	2.199	3.197	4.1	20.9
6 30	18 31.07	-30 20.0	2.481	3.492	2.1	21.2	6 30	18 31.11	-15 26.6	2.181	3.191	2.5	20.8
7 10	18 22.03	-30 39.8	2.515	3.507	4.3	21.4	7 10	18 22.14	-15 8.3	2.192	3.185	4.7	20.9
7 20	18 13.92	-30 51.9	2.578	3.523	7.1	21.6	7 20	18 14.02	-14 54.7	2.230	3.178	7.9	21.1
7 30	18 7.41	-30 57.1	2.666	3.537	9.7	21.8	7 30	18 7.46	-14 46.0	2.293	3.170	10.9	21.3
443741	2015 LZ ₃₂		6 28.9 11°01	1°6/28.6	16		72530	2001 DJ ₉₈		6 28.9 317°86	3°9/28.4	18	
5 21	18 55.31	-											

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
35876	1999 JX ₇₄		6 28.9 118°03	6°1/30.5	18		152104	2004 RX ₁₂₀		6 28.9 111°06	6°4/30.8	18	
5 21	18 58.89	- 5 58.8	1.880	2.670	16.2	18.6	5 21	18 55.51	- 1 19.8	2.615	3.371	13.0	20.6
5 31	18 54.69	- 5 48.2	1.804	2.677	13.5	18.4	5 31	18 51.36	- 0 57.0	2.540	3.382	11.1	20.5
6 10	18 48.26	- 5 52.3	1.748	2.684	10.4	18.2	6 10	18 45.64	- 0 46.9	2.486	3.393	9.0	20.3
6 20	18 40.13	- 6 12.7	1.715	2.691	7.5	18.1	6 20	18 38.78	- 0 51.3	2.456	3.404	7.2	20.2
6 30	18 31.13	- 6 49.4	1.707	2.698	6.1	18.0	6 30	18 31.36	- 1 10.6	2.451	3.415	6.4	20.2
7 10	18 22.25	- 7 40.3	1.725	2.704	7.3	18.1	7 10	18 24.06	- 1 44.3	2.473	3.425	7.0	20.3
7 20	18 14.41	- 8 42.3	1.769	2.710	10.0	18.3	7 20	18 17.49	- 2 30.2	2.521	3.436	8.6	20.4
7 30	18 8.42	- 9 51.3	1.837	2.716	13.0	18.5	7 30	18 12.20	- 3 25.5	2.594	3.446	10.6	20.5
309651	2008 DC ₂₁		6 28.9 226°66	0°5/29.0	18		178576	1999 XR ₅		6 28.9 236°00	0°4/28.9	18	
5 21	18 57.75	-20 56.5	2.573	3.381	11.9	22.0	5 21	19 2.95	-22 55.6	1.919	2.736	15.0	21.3
5 31	18 53.39	-21 3.3	2.476	3.373	9.4	21.8	5 31	18 58.33	-23 13.8	1.821	2.723	11.9	21.1
6 10	18 47.19	-21 13.1	2.401	3.365	6.4	21.6	6 10	18 51.07	-23 35.7	1.743	2.710	8.2	20.8
6 20	18 39.58	-21 24.7	2.352	3.357	3.2	21.4	6 20	18 41.67	-23 58.7	1.690	2.695	4.0	20.6
6 30	18 31.20	-21 36.8	2.332	3.348	0.6	21.2	6 30	18 31.00	-24 20.1	1.664	2.680	0.7	20.3
7 10	18 22.82	-21 48.6	2.340	3.339	3.8	21.4	7 10	18 20.22	-24 38.0	1.665	2.665	5.1	20.6
7 20	18 15.20	-21 59.4	2.376	3.330	7.1	21.6	7 20	18 10.49	-24 51.3	1.693	2.648	9.4	20.8
7 30	18 9.01	-22 9.2	2.437	3.320	10.1	21.8	7 30	18 2.84	-25 0.5	1.744	2.631	13.2	21.0
8662	1990 UT ₁₀		6 28.9 242°97	0°4/29.0	18		167870	2005 EP ₂₇		6 28.9 322°40	2°7/29.3	18	R
5 21	18 57.93	-21 28.1	2.491	3.301	12.2	18.7	5 21	18 56.79	-16 11.0	1.785	2.609	15.6	20.1
5 31	18 53.63	-21 32.8	2.391	3.290	9.6	18.5	5 31	18 53.42	-16 1.7	1.698	2.602	12.5	19.9
6 10	18 47.41	-21 40.2	2.314	3.278	6.6	18.3	6 10	18 47.63	-15 59.6	1.632	2.596	8.9	19.6
6 20	18 39.71	-21 49.0	2.262	3.267	3.2	18.1	6 20	18 39.95	-16 4.9	1.589	2.589	5.0	19.4
6 30	18 31.18	-21 58.0	2.239	3.255	0.5	17.8	6 30	18 31.22	-16 17.1	1.571	2.583	2.7	19.2
7 10	18 22.65	-22 6.4	2.244	3.243	4.0	18.1	7 10	18 22.52	-16 34.9	1.580	2.578	5.5	19.4
7 20	18 14.89	-22 13.6	2.276	3.231	7.4	18.3	7 20	18 14.89	-16 57.2	1.613	2.572	9.5	19.6
7 30	18 8.62	-22 19.8	2.334	3.218	10.4	18.4	7 30	18 9.21	-17 22.6	1.670	2.567	13.2	19.8
156634	2002 JW ₁₃		6 28.9 260°50	22°8/23.4	18		8889	Mockturtle		6 28.9 267°95	4°2/28.6	18	
5 21	19 1.77	+11 35.5	1.154	1.909	26.2	19.3	5 21	19 1.94	-35 37.5	2.347	3.152	13.0	17.3
5 31	18 58.51	+15 17.7	1.098	1.902	24.7	19.1	5 31	18 57.18	-35 55.4	2.250	3.140	10.5	17.1
6 10	18 51.79	+18 35.4	1.058	1.894	23.5	19.0	6 10	18 50.04	-36 7.6	2.175	3.127	7.8	16.9
6 20	18 42.19	+21 13.0	1.033	1.886	22.8	18.9	6 20	18 41.06	-36 10.3	2.125	3.114	5.2	16.7
6 30	18 30.86	+22 56.7	1.024	1.878	23.0	18.9	6 30	18 31.09	-36 0.9	2.101	3.101	4.2	16.6
7 10	18 19.46	+23 39.9	1.030	1.870	23.8	18.9	7 10	18 21.19	-35 38.2	2.105	3.087	5.9	16.7
7 20	18 9.59	+23 24.1	1.049	1.861	25.3	19.0	7 20	18 12.36	-35 3.7	2.136	3.074	8.7	16.9
7 30	18 2.63	+22 17.2	1.080	1.853	26.9	19.1	7 30	18 5.47	-34 20.3	2.190	3.061	11.6	17.0
393342	2014 BG ₆₃		6 28.9 325°00	2°5/29.5	18		167412	2003 WQ ₁₃₁		6 28.9 218°25	1°1/28.8	18	
5 21	18 56.45	-15 27.0	1.692	2.520	16.2	19.8	5 21	19 0.61	-25 43.6	2.355	3.166	12.7	21.5
5 31	18 53.34	-15 39.7	1.604	2.511	13.0	19.6	5 31	18 55.90	-25 57.3	2.260	3.159	10.1	21.3
6 10	18 47.69	-16 2.6	1.537	2.502	9.2	19.3	6 10	18 49.05	-26 11.5	2.187	3.151	6.9	21.1
6 20	18 40.01	-16 35.2	1.492	2.493	5.1	19.1	6 20	18 40.56	-26 24.0	2.139	3.144	3.5	20.9
6 30	18 31.15	-17 15.7	1.472	2.485	2.5	18.9	6 30	18 31.15	-26 32.8	2.120	3.135	1.2	20.7
7 10	18 22.25	-18 1.4	1.478	2.478	5.6	19.1	7 10	18 21.77	-26 36.8	2.129	3.127	4.3	20.9
7 20	18 14.43	-18 49.7	1.510	2.471	9.8	19.3	7 20	18 13.30	-26 35.7	2.165	3.118	7.8	21.1
7 30	18 8.66	-19 38.0	1.564	2.464	13.7	19.5	7 30	18 6.53	-26 30.7	2.226	3.108	11.0	21.3
170830	2004 ET ₆₆		6 28.9 137°27	2°4/28.6	18		289355	2005 BF ₂₅		6 28.9 118°90	1°4/28.7	17	
5 21	19 1.85	-30 33.0	2.671	3.472	11.6	21.2	5 21	19 1.54	-26 0.8	2.111	2.927	13.8	21.5
5 31	18 56.48	-30 56.5	2.593	3.485	9.2	21.1	5 31	18 56.72	-26 24.9	2.036	2.938	10.9	21.4
6 10	18 49.19	-31 17.6	2.539	3.498	6.5	20.9	6 10	18 49.61	-26 49.5	1.983	2.949	7.4	21.2
6 20	18 40.49	-31 33.5	2.512	3.510	3.7	20.8	6 20	18 40.80	-27 12.0	1.956	2.960	3.8	21.0
6 30	18 31.11	-31 42.1	2.513	3.521	2.5	20.7	6 30	18 31.14	-27 29.7	1.956	2.970	1.5	20.8
7 10	18 21.91	-31 42.5	2.542	3.532	4.4	20.9	7 10	18 21.66	-27 41.2	1.983	2.980	4.7	21.1
7 20	18 13.66	-31 35.2	2.600	3.542	7.2	21.0	7 20	18 13.31	-27 46.3	2.038	2.990	8.2	21.3
7 30	18 7.02	-31 21.7	2.682	3.552	9.7	21.2	7 30	18 6.88	-27 46.1	2.117	3.000	11.4	21.5
260630	2005 GA ₉₅		6 28.9 13°44	0°2/28.9	17		244269	2002 DN		6 28.9 5°91	1°3/29.2	18	
5 21	18 56.36	-22 2.9	1.137	2.001	20.2	20.1	5 21	18 54.56	-18 30.2	1.690	2.526	15.9	19.8
5 31	18 54.34	-22 18.9	1.075	2.004	15.9	19.8	5 31	18 51.77	-18 44.6	1.614	2.527	12.5	19.6
6 10	18 48.87	-22 41.2	1.030	2.008	10.9	19.6	6 10	18 46.54	-19 6.3	1.558	2.528	8.7	19.4
6 20	18 40.68	-23 6.8	1.005	2.013	5.3	19.3	6 20	18 39.42	-19 34.0	1.526	2.531	4.4	19.1
6 30	18 31.08	-23 32.4	1.003	2.019	0.7	19.0	6 30	18 31.30	-20 5.7	1.518	2.534	1.3	18.9
7 10	18 21.75	-23 54.8	1.023	2.027	6.5	19.4	7 10	18 23.29	-20 39.0	1.537	2.538	5.1	19.2
7 20	18 14.21	-24 12.8	1.065	2.035	11.8	19.7	7 20	18 16.42	-21 12.0	1.580	2.543	9.3	19.4
7 30	18 9.65	-24 26.4	1.128	2.045	16.5	20.0	7 30	18 11.58	-21 43.3	1.646	2.549	13.0	19.7
316237	2010 OX ₂₁		6 28.9 318°42	2°1/29.5	18		110911	2001 UM ₁₂₅		6 28.9 192°57	4°2/30.0	18	
5 21	18 55.78	-15 31.0	2.173	2.986	13.6	20.2	5 21	18 56.74	- 9 2.7	2.439	3.226	13.0	20.5
5 31	18 52.18	-15 44.4	2.082	2.980	10.8	20.0	5 31	18 52.58	- 8 58.3	2.350	3.225	10.7	20.4
6 10	18 46.54	-16 5.7	2.013	2.974	7.7	19.8	6 10	18 46.64	- 9 3.8	2.282	3.224	8.0	20.2
6 20	18 39.34	-16 34.3	1.968	2.968	4.2	19.6	6 20	18 39.34	- 9 19.9	2.239	3.223	5.5	20.0
6 30	18 31.25	-17 8.7	1.949	2.962	2.1	19.5	6 30	18 31.32	- 9 46.3	2.224	3.221	4.2	20.0
7 10	18 23.17	-17 47.2	1.959	2.957	4.6	19.6	7 10	18 23.33	-10 22.0	2.235	3.219	5.5	20.0
7 20	18 15.92	-18 27.6	1.995	2.951	8.1	19.8	7 20	18 16.09	-11 5.0	2.274	3.217	8.0	20.2
7 30	18 10.27	-19 8.5	2.055	2.946	11.3	20.0	7 30	18 10.26	-11 53.1	2.338	3.215	10.7	20.4
267460	2002 EB ₆₈		6 28.9 17°21	2°3/29.2	17		440529	2005 UB ₁₀₀		6 28.9 257°51	4°6/29.4	17	
5 21	18 56												

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
380861	2006 <i>BR</i> ₁₅₀		6 28.9 156°03	0°8/28.8	17		189453	1999 <i>FX</i> ₉₆		6 28.9 351°43	2°4/29.2	17	
5 21	19 2.14	-23 18.5	2.151	2.962	13.8	22.3	5 21	18 56.01	-17 59.2	1.379	2.225	18.2	19.9
5 31	18 57.19	-23 49.6	2.069	2.969	10.8	22.1	5 31	18 53.51	-17 49.7	1.303	2.221	14.5	19.6
6 10	18 49.97	-24 23.8	2.010	2.975	7.4	21.9	6 10	18 48.06	-17 47.8	1.245	2.216	10.2	19.4
6 20	18 41.01	-24 58.5	1.976	2.980	3.6	21.7	6 20	18 40.28	-17 53.2	1.209	2.213	5.5	19.1
6 30	18 31.12	-25 30.6	1.969	2.985	0.9	21.5	6 30	18 31.23	-18 5.1	1.196	2.211	2.4	18.9
7 10	18 21.33	-25 58.1	1.992	2.990	4.5	21.8	7 10	18 22.27	-18 21.9	1.208	2.209	6.2	19.1
7 20	18 12.57	-26 20.1	2.041	2.994	8.2	22.0	7 20	18 14.70	-18 42.2	1.243	2.208	11.0	19.4
7 30	18 5.67	-26 36.7	2.115	2.997	11.4	22.2	7 30	18 9.61	-19 4.7	1.298	2.208	15.3	19.6
12383	Eboshi		6 28.9 299°29	2°9/28.3	18		380848	2006 <i>BO</i> ₂₅		6 28.9 160°65	3°5/29.7	18	
5 21	18 58.41	-29 7.5	2.141	2.962	13.5	18.2	5 21	18 59.03	-12 53.1	1.957	2.764	15.1	20.9
5 31	18 54.61	-29 48.9	2.045	2.949	10.7	18.0	5 31	18 54.84	-12 48.8	1.875	2.766	12.2	20.7
6 10	18 48.44	-30 30.5	1.972	2.936	7.6	17.8	6 10	18 48.41	-12 53.9	1.813	2.769	8.8	20.5
6 20	18 40.37	-31 8.8	1.923	2.923	4.4	17.5	6 20	18 40.28	-13 8.7	1.776	2.770	5.4	20.3
6 30	18 31.19	-31 40.2	1.901	2.911	3.0	17.4	6 30	18 31.24	-13 32.5	1.765	2.772	3.5	20.2
7 10	18 21.93	-32 2.0	1.906	2.898	5.5	17.6	7 10	18 22.28	-14 3.7	1.781	2.774	5.6	20.3
7 20	18 13.63	-32 13.6	1.938	2.885	8.9	17.7	7 20	18 14.33	-14 40.5	1.823	2.775	9.0	20.5
7 30	18 7.21	-32 16.1	1.992	2.873	12.1	17.9	7 30	18 8.20	-15 20.8	1.889	2.776	12.4	20.7
423068	2003 <i>WJ</i> ₁₂₉		6 28.9 225°21	2°3/29.2	17		290737	2005 <i>UH</i> ₄₅₇		6 28.9 267°25	0°6/28.8	18	
5 21	19 2.68	-17 37.0	1.965	2.775	15.0	22.1	5 21	18 57.79	-22 47.0	2.384	3.198	12.5	20.6
5 31	18 57.87	-17 20.1	1.868	2.764	12.0	21.9	5 31	18 53.73	-23 17.1	2.284	3.186	9.9	20.4
6 10	18 50.61	-17 7.8	1.791	2.752	8.5	21.6	6 10	18 47.64	-23 50.9	2.207	3.173	6.8	20.1
6 20	18 41.39	-17 0.0	1.739	2.740	4.7	21.4	6 20	18 39.92	-24 26.2	2.156	3.161	3.3	19.9
6 30	18 31.07	-16 56.6	1.714	2.727	2.4	21.2	6 30	18 31.28	-25 0.7	2.132	3.149	0.7	19.7
7 10	18 20.71	-16 57.0	1.716	2.713	5.4	21.4	7 10	18 22.56	-25 32.1	2.137	3.136	4.2	19.9
7 20	18 11.36	-17 1.0	1.745	2.698	9.3	21.6	7 20	18 14.62	-25 59.2	2.169	3.123	7.7	20.1
7 30	18 3.96	-17 8.4	1.798	2.683	13.0	21.8	7 30	18 8.25	-26 21.7	2.226	3.111	10.9	20.3
506591	2005 <i>XE</i> ₁₅		6 28.9 208°06	2°1/29.2	17		309858	2009 <i>DT</i> ₄₆		6 28.9 125°20	4°1/29.5	17	
5 21	19 0.69	-17 1.8	2.230	3.034	13.6	22.6	5 21	19 2.32	-13 35.9	1.564	2.382	17.8	21.0
5 31	18 55.94	-16 53.2	2.135	3.028	10.8	22.4	5 31	18 57.88	-13 18.4	1.493	2.391	14.3	20.8
6 10	18 49.07	-16 49.7	2.062	3.022	7.6	22.2	6 10	18 50.70	-13 11.0	1.442	2.400	10.3	20.6
6 20	18 40.57	-16 50.9	2.015	3.015	4.2	22.0	6 20	18 41.43	-13 14.3	1.413	2.409	6.3	20.3
6 30	18 31.18	-16 56.4	1.995	3.007	2.1	21.8	6 30	18 31.11	-13 28.0	1.409	2.417	4.1	20.2
7 10	18 21.80	-17 5.5	2.003	2.999	4.7	22.0	7 10	18 21.01	-13 50.7	1.431	2.425	6.6	20.4
7 20	18 13.31	-17 17.4	2.039	2.991	8.3	22.2	7 20	18 12.29	-14 20.4	1.477	2.432	10.5	20.6
7 30	18 6.50	-17 31.6	2.099	2.981	11.5	22.4	7 30	18 5.88	-14 55.0	1.547	2.439	14.3	20.9
50296	2000 <i>CY</i> ₃₂		6 28.9 287°78	1°3/28.8	18		512752	2016 <i>US</i> ₃₉		6 28.9 25°33	3°4/29.3	17	
5 21	18 59.69	-26 38.1	1.924	2.749	14.6	18.7	5 21	18 56.12	-14 10.5	2.245	3.053	13.4	21.4
5 31	18 55.74	-26 43.5	1.829	2.736	11.6	18.5	5 31	18 52.23	-13 40.8	2.162	3.054	10.8	21.2
6 10	18 49.26	-26 48.4	1.755	2.723	8.0	18.3	6 10	18 46.45	-13 16.9	2.101	3.056	7.8	21.0
6 20	18 40.77	-26 50.4	1.706	2.711	4.1	18.0	6 20	18 39.27	-12 59.8	2.064	3.058	4.9	20.8
6 30	18 31.15	-26 47.5	1.683	2.698	1.4	17.8	6 30	18 31.38	-12 50.0	2.054	3.059	3.4	20.7
7 10	18 21.54	-26 38.6	1.686	2.685	5.1	18.0	7 10	18 23.59	-12 47.6	2.071	3.061	5.2	20.8
7 20	18 13.04	-26 24.3	1.716	2.673	9.1	18.2	7 20	18 16.69	-12 52.1	2.115	3.064	8.2	21.0
7 30	18 6.59	-26 6.2	1.768	2.660	12.8	18.4	7 30	18 11.32	-13 2.7	2.183	3.066	11.1	21.2
424510	2008 <i>ED</i> ₁₁		6 28.9 201°88	2°6/29.5	17		374864	2006 <i>VD</i> ₄₈		6 28.9 292°74	1°3/29.1	17	
5 21	19 0.88	-15 19.4	1.764	2.580	16.1	21.7	5 21	18 59.27	-20 7.3	1.509	2.346	17.4	22.0
5 31	18 56.65	-15 25.7	1.679	2.578	12.9	21.4	5 31	18 56.17	-20 4.9	1.411	2.324	14.0	21.7
6 10	18 49.87	-15 41.3	1.614	2.576	9.2	21.2	6 10	18 50.05	-20 8.0	1.332	2.302	9.8	21.4
6 20	18 41.06	-16 5.6	1.573	2.573	5.1	21.0	6 20	18 41.37	-20 15.6	1.275	2.281	5.0	21.0
6 30	18 31.12	-16 37.1	1.558	2.570	2.6	20.8	6 30	18 31.10	-20 26.3	1.243	2.259	1.4	20.7
7 10	18 21.21	-17 13.7	1.569	2.567	5.6	21.0	7 10	18 20.61	-20 38.4	1.236	2.237	6.0	21.0
7 20	18 12.42	-17 52.9	1.606	2.563	9.7	21.2	7 20	18 11.30	-20 51.0	1.252	2.216	11.2	21.2
7 30	18 5.72	-18 33.2	1.667	2.559	13.5	21.4	7 30	18 4.45	-21 3.9	1.291	2.194	15.8	21.4
9690	Houtgast		6 28.9 187°34	4°1/29.6	18		274083	2008 <i>AK</i> ₈₅		6 28.9 89°53	0°3/28.9	17	
5 21	18 57.99	-10 36.6	2.509	3.296	12.7	18.0	5 21	19 3.29	-22 27.2	1.567	2.396	17.2	20.9
5 31	18 53.48	-10 14.6	2.419	3.296	10.4	17.9	5 31	18 58.72	-22 45.1	1.502	2.412	13.5	20.7
6 10	18 47.20	-10 0.3	2.352	3.295	7.7	17.7	6 10	18 51.29	-23 7.1	1.458	2.427	9.2	20.5
6 20	18 39.60	-9 54.6	2.309	3.294	5.2	17.5	6 20	18 41.71	-23 30.2	1.437	2.443	4.4	20.2
6 30	18 31.31	-9 57.9	2.294	3.292	4.1	17.5	6 30	18 31.09	-23 51.5	1.441	2.458	0.6	20.0
7 10	18 23.07	-10 9.9	2.307	3.289	5.4	17.5	7 10	18 20.80	-24 9.0	1.472	2.472	5.4	20.3
7 20	18 15.60	-10 29.6	2.347	3.287	8.0	17.7	7 20	18 12.02	-24 22.0	1.527	2.487	9.8	20.6
7 30	18 9.52	-10 55.5	2.412	3.283	10.6	17.9	7 30	18 5.72	-24 31.2	1.606	2.501	13.7	20.9
118908	2000 <i>UA</i> ₉₈		6 28.9 233°16	4°3/28.1	18		354185	2002 <i>EC</i> ₁		6 28.9 118°55	7°8/26.9	17	
5 21	19 1.01	-35 17.9	2.507	3.311	12.3	20.0	5 21	19 10.09	-49 33.6	2.923	3.669	12.0	22.1
5 31	18 56.35	-35 59.6	2.416	3.304	9.9	19.9	5 31	19 3.63	-50 53.6	2.864	3.687	10.4	22.0
6 10	18 49.44	-36 37.3	2.348	3.297	7.4	19.7	6 10	18 54.48	-52 2.9	2.827	3.705	9.0	21.9
6 20	18 40.78	-37 7.2	2.304	3.290	5.1	19.5	6 20	18 43.25	-52 55.8	2.814	3.723	8.1	21.9
6 30	18 31.17	-37 25.7	2.288	3.283	4.4	19.5	6 30	18 30.90	-53 28.0	2.827	3.740	7.9	21.9
7 10	18 21.56	-37 31.1	2.299	3.275	5.9	19.6	7 10	18 18.68	-53 38.0	2.866	3.757	8.6	21.9
7 20	18 12.92	-37 23.8	2.337	3.267	8.5	19.7	7 20	18 7.74	-53 27.3	2.929	3.773	9.8	22.1
7 30	18 6.07	-37 5.7	2.399	3.260	11.0	19.9	7 30	17 59.04	-52 59.5	3.014	3.789	11.1	22.2
510900	2013 <i>CD</i> ₁₉₄		6 28.9 256°28	0°8/29.2	18		63304	2001 <i>EQ</i> ₂₃		6 28.9			

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
399626	2004 <i>NX</i> ₆		6 28.9 306°29	7°0/30.6	18		500874	2013 <i>JT</i> ₅₈		6 28.9 341°92	5°1/27.9	17	
5 21	18 55.62	-2 56.2	2.124	2.900	15.0	20.6	5 21	18 54.93	-27 41.8	1.044	1.918	20.8	20.8
5 31	18 52.29	-2 44.0	2.008	2.868	12.9	20.4	5 31	18 54.15	-28 56.6	0.972	1.906	16.7	20.5
6 10	18 46.84	-2 47.1	1.912	2.835	10.4	20.1	6 10	18 49.47	-30 17.9	0.917	1.895	11.9	20.2
6 20	18 39.65	-3 8.2	1.839	2.803	8.1	19.9	6 20	18 41.38	-31 38.1	0.882	1.885	7.0	19.9
6 30	18 31.32	-3 48.7	1.790	2.770	7.0	19.8	6 30	18 31.18	-32 47.6	0.867	1.877	5.2	19.8
7 10	18 22.74	-4 48.0	1.768	2.737	8.0	19.8	7 10	18 20.85	-33 38.8	0.874	1.870	9.1	20.0
7 20	18 14.79	-6 3.4	1.771	2.705	10.5	19.9	7 20	18 12.40	-34 8.8	0.901	1.865	14.3	20.2
7 30	18 8.36	-7 30.9	1.798	2.673	13.5	20.0	7 30	18 7.47	-34 19.5	0.946	1.861	19.1	20.5
50592	2000 <i>ES</i> ₄₆		6 28.9 219°07	3°3/29.4	18		470361	2007 <i>SV</i> ₂₁		6 28.9 226°77	5°9/27.8	18	
5 21	19 0.65	-14 44.6	1.925	2.734	15.2	19.3	5 21	19 4.61	-38 45.3	2.350	3.146	13.2	21.7
5 31	18 56.26	-14 28.0	1.833	2.727	12.3	19.1	5 31	18 59.54	-39 39.8	2.259	3.137	10.9	21.5
6 10	18 49.49	-14 18.5	1.763	2.721	8.8	18.9	6 10	18 51.86	-40 28.6	2.190	3.129	8.5	21.4
6 20	18 40.86	-14 16.8	1.717	2.713	5.3	18.7	6 20	18 42.08	-41 6.7	2.146	3.119	6.5	21.2
6 30	18 31.20	-14 22.6	1.696	2.705	3.3	18.5	6 30	18 31.12	-41 29.3	2.128	3.110	5.9	21.2
7 10	18 21.54	-14 35.4	1.703	2.697	5.7	18.7	7 10	18 20.13	-41 34.1	2.137	3.100	7.3	21.2
7 20	18 12.89	-14 54.0	1.736	2.688	9.4	18.9	7 20	18 10.27	-41 21.7	2.172	3.089	9.7	21.4
7 30	18 6.15	-15 17.3	1.793	2.679	13.0	19.1	7 30	18 2.50	-40 55.2	2.230	3.078	12.2	21.5
306926	2001 <i>UB</i> ₅₂		6 28.9 243°08	1°4/29.2	18		130461	2000 <i>QR</i> ₇₁		6 28.9 316°76	3°5/28.8	18	
5 21	18 59.85	-19 16.7	1.718	2.544	16.1	20.1	5 21	19 0.59	-30 12.4	1.242	2.095	19.4	19.0
5 31	18 55.93	-19 18.0	1.636	2.543	12.8	19.8	5 31	18 58.02	-30 24.4	1.159	2.081	15.7	18.7
6 10	18 49.42	-19 25.0	1.574	2.541	8.8	19.6	6 10	18 51.72	-30 33.0	1.095	2.067	11.1	18.4
6 20	18 40.86	-19 36.6	1.535	2.540	4.5	19.3	6 20	18 42.31	-30 33.2	1.051	2.054	6.2	18.1
6 30	18 31.20	-19 51.2	1.522	2.538	1.4	19.1	6 30	18 31.08	-30 20.6	1.029	2.042	3.6	17.9
7 10	18 21.62	-20 7.3	1.536	2.536	5.3	19.4	7 10	18 19.89	-29 53.9	1.031	2.030	7.5	18.0
7 20	18 13.25	-20 23.9	1.575	2.535	9.6	19.6	7 20	18 10.49	-29 15.1	1.055	2.019	12.6	18.3
7 30	18 7.02	-20 40.5	1.637	2.533	13.4	19.9	7 30	18 4.32	-28 29.2	1.099	2.009	17.4	18.5
433578	2013 <i>YQ</i> ₂₉		6 28.9 277°18	2°5/28.3	18		393965	2005 <i>UA</i> ₂₇₀		6 28.9 298°69	4°7/29.4	18	
5 21	19 1.21	-25 18.4	1.730	2.558	15.9	20.8	5 21	18 55.77	-11 15.1	2.185	2.988	13.9	21.0
5 31	18 57.42	-26 19.2	1.639	2.548	12.6	20.6	5 31	18 52.12	-10 37.1	2.092	2.978	11.3	20.8
6 10	18 50.75	-27 25.6	1.568	2.537	8.8	20.3	6 10	18 46.51	-10 6.4	2.020	2.968	8.5	20.6
6 20	18 41.67	-28 33.1	1.522	2.526	4.7	20.0	6 20	18 39.39	-9 44.6	1.973	2.958	5.9	20.4
6 30	18 31.12	-29 35.9	1.502	2.515	2.6	19.9	6 30	18 31.45	-9 33.1	1.951	2.949	4.7	20.3
7 10	18 20.39	-30 29.2	1.508	2.504	6.1	20.1	7 10	18 23.52	-9 32.1	1.956	2.939	6.2	20.4
7 20	18 10.79	-31 10.7	1.540	2.493	10.4	20.3	7 20	18 16.41	-9 41.1	1.987	2.930	9.0	20.5
7 30	18 3.52	-31 40.3	1.595	2.482	14.3	20.5	7 30	18 10.86	-9 58.8	2.041	2.920	11.9	20.7
480624	2015 <i>ML</i> ₁₂₈		6 28.9 309°86	0°2/28.9	18		184748	2005 <i>SE</i> ₂₄₇		6 28.9 131°40	4°1/29.5	17	
5 21	18 56.66	-22 0.9	2.003	2.828	14.1	21.0	5 21	18 56.27	-11 24.0	2.391	3.187	13.0	20.8
5 31	18 53.29	-22 24.5	1.905	2.813	11.2	20.7	5 31	18 52.23	-10 55.3	2.307	3.190	10.6	20.6
6 10	18 47.59	-22 52.7	1.828	2.797	7.7	20.5	6 10	18 46.41	-10 34.0	2.245	3.192	7.8	20.4
6 20	18 40.02	-23 23.6	1.776	2.782	3.8	20.2	6 20	18 39.27	-10 21.0	2.208	3.195	5.3	20.3
6 30	18 31.34	-23 54.6	1.750	2.767	0.5	19.9	6 30	18 31.47	-10 17.1	2.198	3.197	4.1	20.2
7 10	18 22.57	-24 23.6	1.751	2.752	4.7	20.2	7 10	18 23.76	-10 22.1	2.216	3.200	5.5	20.3
7 20	18 14.71	-24 49.0	1.778	2.737	8.7	20.4	7 20	18 16.86	-10 35.2	2.259	3.202	8.1	20.5
7 30	18 8.67	-25 10.4	1.829	2.723	12.4	20.6	7 30	18 11.39	-10 55.0	2.328	3.204	10.8	20.6
258495	2002 <i>AO</i> ₆₁		6 28.9 163°81	3°5/28.8	18		222687	2001 <i>YN</i> ₁₂₂		6 28.9 156°66	2°2/28.6	18	
5 21	19 3.46	-36 20.6	2.912	3.701	11.1	21.3	5 21	19 4.50	-29 18.1	2.500	3.301	12.4	21.3
5 31	18 57.69	-36 29.4	2.827	3.706	8.9	21.1	5 31	18 58.74	-29 42.1	2.419	3.310	9.8	21.2
6 10	18 50.01	-36 32.2	2.765	3.711	6.6	21.0	6 10	18 50.88	-30 4.4	2.360	3.319	6.8	21.0
6 20	18 40.95	-36 26.3	2.729	3.715	4.4	20.8	6 20	18 41.44	-30 22.1	2.328	3.328	3.8	20.8
6 30	18 31.25	-36 9.9	2.721	3.718	3.5	20.8	6 30	18 31.22	-30 32.6	2.324	3.335	2.3	20.7
7 10	18 21.76	-35 42.8	2.742	3.722	4.9	20.9	7 10	18 21.15	-30 34.9	2.350	3.342	4.6	20.9
7 20	18 13.25	-35 6.5	2.791	3.725	7.2	21.0	7 20	18 12.10	-30 29.4	2.403	3.347	7.6	21.1
7 30	18 6.37	-34 23.4	2.867	3.727	9.5	21.2	7 30	18 4.81	-30 17.6	2.482	3.352	10.4	21.3
282010	2011 <i>HL</i> ₆₁		6 28.9 338°54	1°1/28.5	18		346663	2008 <i>YH</i> ₁₇		6 28.9 195°86	1°0/28.9	18	
5 21	19 1.48	-17 24.8	1.534	2.362	17.6	19.3	5 21	19 1.56	-26 28.2	2.475	3.281	12.3	22.4
5 31	18 57.94	-19 11.9	1.445	2.354	14.0	19.1	5 31	18 56.49	-26 29.5	2.382	3.279	9.7	22.2
6 10	18 51.34	-21 17.6	1.378	2.347	9.6	18.8	6 10	18 49.38	-26 29.8	2.312	3.276	6.7	22.0
6 20	18 42.07	-23 36.2	1.335	2.341	4.7	18.5	6 20	18 40.74	-26 27.4	2.269	3.272	3.3	21.8
6 30	18 31.08	-25 58.8	1.319	2.335	1.3	18.2	6 30	18 31.31	-26 20.9	2.253	3.268	1.1	21.6
7 10	18 19.75	-28 15.3	1.331	2.330	6.2	18.5	7 10	18 21.97	-26 9.7	2.266	3.264	4.1	21.8
7 20	18 9.55	-30 17.6	1.370	2.325	11.1	18.8	7 20	18 13.56	-25 54.5	2.307	3.259	7.4	22.0
7 30	18 1.81	-32 1.8	1.432	2.321	15.4	19.1	7 30	18 6.79	-25 36.5	2.374	3.253	10.5	22.2
308550	2005 <i>UJ</i> ₂₅₈		6 28.9 112°80	2°9/28.3	17		180204	2003 <i>SB</i> ₂₉₅		6 28.9 225°35	0°2/29.0	18	
5 21	18 59.84	-30 35.5	2.519	3.328	12.1	21.2	5 21	19 3.24	-21 5.6	1.951	2.764	14.9	20.9
5 31	18 55.18	-31 14.6	2.442	3.337	9.6	21.1	5 31	18 58.51	-21 27.2	1.853	2.754	11.8	20.7
6 10	18 48.50	-31 52.0	2.388	3.347	6.8	20.9	6 10	18 51.20	-21 53.9	1.777	2.742	8.2	20.4
6 20	18 40.30	-32 24.4	2.359	3.356	4.0	20.8	6 20	18 41.81	-22 23.7	1.725	2.730	4.0	20.1
6 30	18 31.33	-32 49.1	2.359	3.365	2.9	20.7	6 30	18 31.18	-22 53.9	1.701	2.718	0.5	19.8
7 10	18 22.47	-33 4.4	2.386	3.374	4.9	20.8	7 10	18 20.44	-23 22.0	1.704	2.704	4.9	20.1
7 20	18 14.55	-33 10.4	2.441	3.383	7.6	21.0	7 20	18 10.72	-23 46.6	1.734	2.690	9.2	20.4
7 30	18 8.29	-33 8.3	2.520	3.391	10.2	21.2	7 30	18 3.01	-24 7.5	1.789	2.675	13.0	20.6
17460	Mang		6 28.9 232°46	0°7/28.9	18		188169	2002 <i>GN</i>					

EPHEMERIDES

6 28.9

6 28.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
68510	2001 <i>UX</i> ₁₅₄		6 28.9	88°69	6°5/29.4	18	33434	1999 <i>FU</i>		6 28.9	161°39	0°5/28.9	18
5 21	19 2.09	-11 12.0	1.406	2.228	19.2	19.1	5 21	18 59.39	-24 19.5	2.294	3.108	12.9	18.9
5 31	18 57.87	-10 13.6	1.343	2.239	15.7	18.8	5 31	18 54.92	-24 27.7	2.209	3.110	10.2	18.7
6 10	18 50.77	-9 26.2	1.298	2.251	11.8	18.6	6 10	18 48.39	-24 36.9	2.146	3.112	6.9	18.5
6 20	18 41.52	-8 52.9	1.275	2.262	8.1	18.5	6 20	18 40.31	-24 45.3	2.109	3.114	3.4	18.3
6 30	18 31.24	-8 35.9	1.275	2.273	6.5	18.4	6 30	18 31.43	-24 51.4	2.100	3.116	0.7	18.1
7 10	18 21.29	-8 35.5	1.300	2.285	8.4	18.5	7 10	18 22.65	-24 54.3	2.118	3.117	4.2	18.4
7 20	18 12.87	-8 50.3	1.348	2.296	12.0	18.8	7 20	18 14.82	-24 53.8	2.164	3.119	7.7	18.6
7 30	18 6.91	-9 17.3	1.418	2.306	15.6	19.0	7 30	18 8.69	-24 50.6	2.234	3.120	10.8	18.8
117663	2005 <i>EK</i> ₁₉₉		6 28.9	107°10	4°2/29.9	18	509294	2006 <i>VU</i> ₆₈		6 28.9	206°85	1°8/29.2	18
5 21	18 59.49	-10 18.1	2.186	2.978	14.2	20.0	5 21	18 57.92	-17 17.8	2.988	3.782	10.7	22.7
5 31	18 54.79	-10 8.8	2.116	2.996	11.5	19.8	5 31	18 53.22	-17 1.4	2.888	3.775	8.5	22.6
6 10	18 48.15	-10 9.3	2.067	3.013	8.5	19.7	6 10	18 46.97	-16 48.1	2.812	3.769	6.0	22.4
6 20	18 40.11	-10 20.2	2.043	3.030	5.6	19.5	6 20	18 39.55	-16 37.8	2.763	3.761	3.3	22.2
6 30	18 31.41	-10 41.0	2.046	3.047	4.2	19.4	6 30	18 31.52	-16 30.6	2.742	3.754	1.8	22.1
7 10	18 22.90	-11 10.5	2.077	3.063	5.6	19.6	7 10	18 23.52	-16 26.2	2.751	3.745	3.8	22.2
7 20	18 15.36	-11 46.6	2.134	3.079	8.4	19.8	7 20	18 16.17	-16 24.6	2.788	3.736	6.5	22.4
7 30	18 9.44	-12 27.4	2.216	3.095	11.2	20.0	7 30	18 10.03	-16 25.6	2.851	3.727	9.0	22.5
360141	2013 <i>CY</i> ₄₅		6 28.9	135°71	3°8/29.7	16	315434	2007 <i>VD</i> ₂₉₉		6 28.9	238°11	1°0/29.1	17
5 21	18 56.32	-11 30.2	2.383	3.180	13.0	21.1	5 21	19 2.77	-19 55.5	1.728	2.549	16.2	21.2
5 31	18 52.29	-11 13.7	2.299	3.183	10.6	20.9	5 31	18 58.45	-20 0.8	1.633	2.538	12.9	20.9
6 10	18 46.48	-11 5.0	2.238	3.186	7.8	20.7	6 10	18 51.34	-20 11.5	1.559	2.525	9.0	20.7
6 20	18 39.33	-11 5.0	2.200	3.189	5.1	20.6	6 20	18 41.96	-20 26.4	1.508	2.512	4.5	20.4
6 30	18 31.50	-11 13.7	2.190	3.191	3.8	20.5	6 30	18 31.23	-20 43.4	1.483	2.499	1.1	20.1
7 10	18 23.75	-11 30.6	2.207	3.194	5.3	20.6	7 10	18 20.40	-21 0.9	1.485	2.485	5.4	20.4
7 20	18 16.80	-11 54.4	2.251	3.197	8.0	20.7	7 20	18 10.71	-21 17.6	1.512	2.471	10.0	20.6
7 30	18 11.30	-12 23.5	2.320	3.199	10.7	20.9	7 30	18 3.26	-21 33.3	1.563	2.456	14.2	20.8
90437	2004 <i>BW</i> ₈₂		6 28.9	249°44	4°6/28.2	18	31253	1998 <i>DQ</i> ₂₁		6 28.9	284°71	1°3/28.8	18
5 21	19 4.68	-36 25.8	2.573	3.367	12.3	21.2	5 21	18 58.68	-25 58.2	2.125	2.946	13.6	19.2
5 31	18 59.36	-37 2.4	2.465	3.346	10.0	21.0	5 31	18 54.76	-26 14.0	2.029	2.934	10.8	19.0
6 10	18 51.63	-37 34.5	2.379	3.324	7.6	20.8	6 10	18 48.53	-26 30.5	1.954	2.921	7.4	18.7
6 20	18 41.98	-37 57.8	2.319	3.302	5.4	20.7	6 20	18 40.48	-26 45.5	1.903	2.908	3.8	18.5
6 30	18 31.19	-38 8.7	2.286	3.279	4.6	20.6	6 30	18 31.40	-26 56.5	1.880	2.895	1.4	18.3
7 10	18 20.29	-38 5.3	2.281	3.255	6.2	20.6	7 10	18 22.30	-27 2.2	1.884	2.882	4.7	18.5
7 20	18 10.32	-37 47.8	2.303	3.231	8.7	20.8	7 20	18 14.15	-27 2.3	1.914	2.869	8.5	18.7
7 30	18 2.18	-37 18.8	2.350	3.206	11.4	20.9	7 30	18 7.82	-26 57.8	1.968	2.857	11.9	18.9
174566	2003 <i>KT</i> ₁₆		6 28.9	341°62	3°8/28.1	17	513689	2012 <i>BY</i> ₆₇		6 28.9	221°06	1°1/28.9	18
5 21	18 58.05	-26 7.4	1.145	2.007	20.1	19.2	5 21	18 59.45	-27 34.7	2.911	3.713	10.8	22.2
5 31	18 56.22	-27 15.7	1.072	2.000	16.0	18.9	5 31	18 54.58	-27 33.7	2.811	3.705	8.5	22.1
6 10	18 50.66	-28 31.0	1.017	1.993	11.3	18.6	6 10	18 47.98	-27 31.0	2.734	3.696	5.9	21.9
6 20	18 41.89	-29 46.9	0.982	1.987	6.2	18.3	6 20	18 40.06	-27 25.2	2.683	3.686	3.0	21.7
6 30	18 31.19	-30 54.8	0.970	1.982	4.0	18.2	6 30	18 31.47	-27 15.2	2.662	3.677	1.2	21.5
7 10	18 20.41	-31 47.8	0.980	1.977	8.1	18.4	7 10	18 22.93	-27 0.7	2.670	3.666	3.7	21.7
7 20	18 11.40	-32 23.1	1.012	1.974	13.3	18.7	7 20	18 15.14	-26 42.0	2.706	3.656	6.6	21.9
7 30	18 5.68	-32 42.2	1.062	1.971	18.0	18.9	7 30	18 8.72	-26 20.6	2.768	3.645	9.2	22.0
503934	2003 <i>SR</i> ₄₈		6 28.9	210°51	0°3/28.9	18	504838	2010 <i>RA</i> ₆₅		6 28.9	312°13	2°9/28.7	18
5 21	19 1.35	-24 15.7	2.596	3.399	11.9	22.2	5 21	18 58.08	-27 54.1	1.222	2.080	19.4	21.2
5 31	18 56.25	-24 14.6	2.496	3.391	9.4	22.1	5 31	18 56.34	-28 13.2	1.126	2.052	15.7	20.9
6 10	18 49.20	-24 13.7	2.420	3.383	6.4	21.9	6 10	18 50.89	-28 32.8	1.048	2.023	11.1	20.5
6 20	18 40.68	-24 11.7	2.370	3.375	3.1	21.6	6 20	18 42.13	-28 48.6	0.990	1.995	6.0	20.1
6 30	18 31.36	-24 7.5	2.349	3.365	0.5	21.4	6 30	18 31.19	-28 55.6	0.954	1.968	3.0	19.9
7 10	18 22.07	-24 0.4	2.357	3.355	3.9	21.6	7 10	18 19.83	-28 50.4	0.940	1.941	7.6	20.1
7 20	18 13.61	-23 50.8	2.393	3.345	7.2	21.8	7 20	18 9.98	-28 33.1	0.948	1.915	13.3	20.3
7 30	18 6.68	-23 39.4	2.455	3.334	10.2	22.0	7 30	18 3.32	-28 7.0	0.975	1.890	18.7	20.5
370123	2001 <i>VP</i> ₂		6 28.9	184°86	10°0/1.6	18	418084	2007 <i>VR</i> ₃₁₀		6 28.9	184°17	1°7/28.8	17
5 21	18 59.53	+11 25.2	2.779	3.449	14.1	21.9	5 21	19 5.10	-26 44.5	1.918	2.734	15.1	22.4
5 31	18 54.52	+12 15.2	2.697	3.450	12.8	21.8	5 31	18 59.95	-27 3.4	1.833	2.734	11.9	22.2
6 10	18 47.86	+12 48.3	2.633	3.449	11.5	21.7	6 10	18 52.13	-27 22.3	1.769	2.734	8.2	22.0
6 20	18 39.98	+13 1.1	2.591	3.448	10.5	21.6	6 20	18 42.24	-27 38.2	1.730	2.734	4.2	21.8
6 30	18 31.44	+12 51.1	2.572	3.446	10.0	21.6	6 30	18 31.23	-27 48.1	1.718	2.732	1.8	21.6
7 10	18 22.95	+12 18.2	2.577	3.443	10.2	21.6	7 10	18 20.33	-27 50.4	1.733	2.730	5.2	21.8
7 20	18 15.14	+11 24.2	2.605	3.439	11.1	21.7	7 20	18 10.67	-27 45.4	1.775	2.728	9.2	22.0
7 30	18 8.63	+10 12.7	2.657	3.434	12.4	21.7	7 30	18 3.21	-27 34.8	1.841	2.724	12.8	22.3
214377	2005 <i>LS</i> ₂₁		6 28.9	154°54	2°4/29.1	18	70056	1999 <i>JJ</i> ₈		6 28.9	347°91	26°4/13.3	18
5 21	18 58.69	-17 6.2	2.369	3.173	12.9	20.6	5 21	18 42.32	+9 38.1	0.870	1.697	27.8	17.2
5 31	18 54.15	-16 36.7	2.284	3.177	10.2	20.5	5 31	18 43.81	+14 7.9	0.821	1.676	26.9	17.0
6 10	18 47.73	-16 10.7	2.222	3.180	7.2	20.3	6 10	18 42.10	+18 12.2	0.787	1.658	26.4	16.9
6 20	18 39.94	-15 48.8	2.185	3.183	4.1	20.1	6 20	18 37.71	+21 31.1	0.766	1.642	26.5	16.8
6 30	18 31.46	-15 31.3	2.176	3.186	2.5	20.0	6 30	18 31.73	+23 47.4	0.757	1.630	27.1	16.8
7 10	18 23.11	-15 18.4	2.195	3.189	4.6	20.1	7 10	18 25.71	+24 52.6	0.759	1.621	28.1	16.8
7 20	18 15.65	-15 10.3	2.241	3.191	7.7	20.3	7 20	18 21.18	+24 46.7	0.770	1.615	29.4	16.9
7 30	18 9.73	-15 6.8	2.312	3.193	10.6	20.5	7 30	18 19.50	+23 37.1	0.790	1.612	30.6	16.9
434269	2003 <i>WU</i> ₂₃		6 28.9	193°63	3°6/27.9	17	504768						

EPHEMERIDES

6 28.9

6 29.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
38595	1999 <i>XD</i> ₁₉₆		6 28.9 101°47'	2°4/28.9	18		470768	2008 <i>UU</i> ₂₃₁		6 29.0 256°28'	4°7/29.1	17	
5 21	19 3.41	-30 30.9	1.992	2.808	14.5	18.6	5 21	18 59.52	-12 33.2	2.065	2.867	14.6	21.8
5 31	18 58.39	-30 29.0	1.916	2.817	11.5	18.4	5 31	18 55.27	-11 46.5	1.965	2.852	11.9	21.6
6 10	18 50.88	-30 23.0	1.862	2.825	8.0	18.2	6 10	18 48.83	-11 5.4	1.887	2.836	8.9	21.3
6 20	18 41.53	-30 10.1	1.832	2.833	4.4	18.0	6 20	18 40.65	-10 32.1	1.833	2.821	6.0	21.1
6 30	18 31.34	-29 48.7	1.828	2.841	2.4	17.8	6 30	18 31.48	-10 8.1	1.805	2.805	4.7	21.0
7 10	18 21.44	-29 18.8	1.853	2.848	5.1	18.0	7 10	18 22.26	-9 54.5	1.804	2.789	6.5	21.1
7 20	18 12.87	-28 42.4	1.903	2.856	8.7	18.3	7 20	18 13.94	-9 51.3	1.829	2.772	9.7	21.3
7 30	18 6.43	-28 2.4	1.978	2.863	12.0	18.5	7 30	18 7.32	-9 57.8	1.878	2.755	12.9	21.4
43457	2000 <i>YF</i> ₁₁₈		6 28.9 306°67'	1°4/29.3	18		65938	1998 <i>FV</i> ₇₇		6 29.0 328°11'	10°7/30.3	18	
5 21	18 58.05	-17 43.6	1.362	2.206	18.6	18.5	5 21	18 53.60	-1 13.2	1.498	2.299	19.2	18.3
5 31	18 55.52	-18 8.0	1.272	2.189	14.9	18.3	5 31	18 51.40	-0 7.5	1.414	2.283	16.7	18.0
6 10	18 49.82	-18 44.3	1.201	2.173	10.5	17.9	6 10	18 46.60	+0 40.7	1.347	2.268	14.0	17.8
6 20	18 41.42	-19 31.0	1.151	2.156	5.4	17.6	6 20	18 39.71	+1 5.5	1.299	2.253	11.7	17.6
6 30	18 31.32	-20 24.9	1.125	2.141	1.4	17.3	6 30	18 31.58	+1 2.5	1.273	2.240	10.7	17.6
7 10	18 20.97	-21 21.7	1.123	2.125	6.3	17.6	7 10	18 23.36	+0 30.7	1.269	2.227	11.7	17.6
7 20	18 11.90	-22 17.4	1.144	2.110	11.6	17.8	7 20	18 16.22	-0 27.5	1.287	2.215	14.1	17.7
7 30	18 5.44	-23 9.4	1.186	2.096	16.4	18.1	7 30	18 11.18	-1 46.6	1.324	2.203	17.1	17.8
20041	1992 <i>YH</i>		6 28.9 244°16'	3°5/28.0	18		69148	2003 <i>GH</i> ₈		6 29.0 205°80'	3°9/28.3	18	
5 21	19 3.42	-29 21.1	2.106	2.919	14.0	17.9	5 21	19 1.41	-34 20.7	2.530	3.333	12.2	20.3
5 31	18 58.78	-30 21.4	2.007	2.905	11.2	17.7	5 31	18 56.63	-34 57.8	2.441	3.330	9.8	20.1
6 10	18 51.52	-31 23.5	1.930	2.890	8.0	17.5	6 10	18 49.66	-35 31.3	2.375	3.327	7.2	19.9
6 20	18 42.07	-32 22.5	1.878	2.875	4.8	17.3	6 20	18 41.00	-35 57.3	2.334	3.323	4.8	19.8
6 30	18 31.26	-33 13.5	1.854	2.860	3.6	17.2	6 30	18 31.45	-36 12.9	2.321	3.319	4.0	19.7
7 10	18 20.25	-33 52.7	1.857	2.844	6.1	17.3	7 10	18 21.93	-36 16.4	2.335	3.315	5.6	19.8
7 20	18 10.20	-34 18.6	1.887	2.828	9.5	17.5	7 20	18 13.38	-36 8.2	2.376	3.311	8.2	19.9
7 30	18 2.18	-34 32.3	1.941	2.811	12.8	17.6	7 30	18 6.58	-35 50.3	2.442	3.306	10.8	20.1
145752	1995 <i>YV</i> ₁₁		6 28.9 163°79'	1°2/29.2	18		478580	2012 <i>TK</i> ₉₁		6 29.0 348°66'	12°4/30.4	16	
5 21	18 57.27	-19 13.0	2.461	3.270	12.3	21.0	5 21	18 48.64	-2 0.4	1.168	2.002	21.6	20.6
5 31	18 53.08	-19 12.0	2.374	3.271	9.7	20.8	5 31	18 48.08	-0 35.8	1.097	1.988	18.9	20.4
6 10	18 47.05	-19 14.7	2.310	3.273	6.7	20.6	6 10	18 44.63	+0 29.1	1.042	1.976	15.9	20.1
6 20	18 39.66	-19 20.3	2.271	3.274	3.4	20.4	6 20	18 38.83	+1 6.3	1.004	1.965	13.5	20.0
6 30	18 31.56	-19 28.0	2.260	3.275	1.2	20.2	6 30	18 31.68	+1 9.8	0.985	1.957	12.4	19.9
7 10	18 23.54	-19 37.2	2.277	3.276	4.0	20.4	7 10	18 24.54	+0 38.1	0.986	1.950	13.3	19.9
7 20	18 16.33	-19 47.1	2.322	3.277	7.2	20.6	7 20	18 18.72	-0 25.5	1.005	1.945	15.9	20.0
7 30	18 10.60	-19 57.5	2.392	3.278	10.1	20.8	7 30	18 15.34	-1 53.7	1.043	1.943	19.0	20.2
380019	2013 <i>PY</i> ₇₃		6 28.9 327°30'	2°0/29.3	17		277036	2005 <i>CO</i> ₃₃		6 29.0 93°95'	1°2/28.8	17	
5 21	18 55.22	-18 31.6	1.244	2.099	19.3	20.6	5 21	19 1.36	-25 28.4	1.990	2.810	14.4	21.7
5 31	18 53.47	-18 31.2	1.159	2.083	15.5	20.3	5 31	18 56.74	-25 47.1	1.919	2.823	11.3	21.5
6 10	18 48.49	-18 39.4	1.093	2.067	10.9	20.0	6 10	18 49.76	-26 6.6	1.869	2.836	7.7	21.3
6 20	18 40.78	-18 56.0	1.046	2.052	5.7	19.6	6 20	18 41.04	-26 24.3	1.844	2.848	3.8	21.1
6 30	18 31.41	-19 19.4	1.023	2.038	2.0	19.3	6 30	18 31.46	-26 37.8	1.846	2.861	1.3	20.9
7 10	18 21.91	-19 47.2	1.022	2.025	6.6	19.6	7 10	18 22.10	-26 45.7	1.875	2.873	4.7	21.2
7 20	18 13.82	-20 17.1	1.043	2.013	12.0	19.8	7 20	18 13.93	-26 48.1	1.930	2.886	8.4	21.4
7 30	18 8.47	-20 47.4	1.084	2.001	17.0	20.1	7 30	18 7.76	-26 46.0	2.010	2.898	11.7	21.6
356886	2011 <i>WE</i> ₁₄₆		6 28.9 244°83'	0°4/29.1	18		475623	2006 <i>US</i> ₁₈₆		6 29.0 305°19'	8°5/26.7	18	
5 21	18 57.87	-19 40.0	2.349	3.160	12.8	20.5	5 21	19 3.22	-41 24.9	1.906	2.713	15.4	20.6
5 31	18 53.78	-20 9.2	2.256	3.155	10.1	20.3	5 31	18 59.49	-42 50.1	1.817	2.697	13.1	20.4
6 10	18 47.69	-20 43.9	2.186	3.150	6.9	20.1	6 10	18 52.50	-44 9.6	1.749	2.681	10.7	20.2
6 20	18 40.05	-21 22.4	2.141	3.146	3.4	19.9	6 20	18 42.74	-45 15.5	1.704	2.665	8.9	20.1
6 30	18 31.53	-22 2.4	2.124	3.141	0.5	19.6	6 30	18 31.24	-46 0.3	1.684	2.650	8.6	20.0
7 10	18 22.99	-22 41.7	2.136	3.135	4.1	19.9	7 10	18 19.53	-46 19.9	1.687	2.635	10.0	20.1
7 20	18 15.25	-23 18.7	2.174	3.130	7.6	20.1	7 20	18 9.18	-46 14.4	1.714	2.620	12.5	20.2
7 30	18 9.06	-23 52.5	2.238	3.125	10.7	20.3	7 30	18 1.53	-45 47.6	1.762	2.605	15.2	20.3
44522	1998 <i>YP</i> ₁		6 28.9 59°90'	2°3/29.4	17		506668	2006 <i>SD</i> ₂₈₅		6 29.0 337°49'	5°8/28.4	17	
5 21	19 1.04	-16 26.2	1.297	2.137	19.5	18.1	5 21	18 53.62	-31 46.2	1.051	1.925	20.7	21.3
5 31	18 57.57	-16 39.4	1.232	2.145	15.6	17.9	5 31	18 53.27	-32 28.7	0.974	1.906	16.8	20.9
6 10	18 50.92	-17 4.1	1.184	2.153	10.9	17.6	6 10	18 48.97	-33 8.9	0.913	1.889	12.3	20.6
6 20	18 41.78	-17 38.8	1.158	2.161	5.8	17.4	6 20	18 41.24	-33 39.9	0.871	1.873	7.8	20.3
6 30	18 31.33	-18 20.6	1.155	2.170	2.3	17.2	6 30	18 31.41	-33 54.5	0.850	1.858	5.9	20.2
7 10	18 21.11	-19 6.0	1.177	2.179	6.3	17.4	7 10	18 21.49	-33 48.6	0.849	1.845	9.2	20.3
7 20	18 12.50	-19 51.7	1.223	2.188	11.2	17.7	7 20	18 13.49	-33 22.9	0.868	1.834	14.3	20.5
7 30	18 6.61	-20 35.6	1.290	2.197	15.6	18.0	7 30	18 9.04	-32 42.4	0.904	1.825	19.2	20.8
203663	2002 <i>JH</i> ₆₄		6 28.9 32°08'	2°7/29.2	17		313080	2000 <i>TB</i> ₁₁		6 29.0 251°34'	4°1/28.4	17	
5 21	18 58.47	-18 56.1	1.068	1.930	21.3	19.5	5 21	19 4.85	-30 46.3	1.609	2.436	16.9	21.4
5 31	18 55.90	-18 30.3	1.018	1.944	16.9	19.3	5 31	19 0.69	-31 27.3	1.519	2.425	13.6	21.1
6 10	18 49.86	-18 11.9	0.984	1.959	11.7	19.0	6 10	18 53.23	-32 7.3	1.449	2.413	9.8	20.9
6 20	18 41.22	-18 1.0	0.970	1.975	6.2	18.8	6 20	18 43.04	-32 41.1	1.402	2.401	5.9	20.6
6 30	18 31.42	-17 57.0	0.978	1.992	2.7	18.6	6 30	18 31.22	-33 2.8	1.380	2.388	4.2	20.5
7 10	18 22.13	-17 59.2	1.008	2.011	6.9	18.9	7 10	18 19.31	-33 9.5	1.384	2.375	7.1	20.6
7 20	18 14.80	-18 6.6	1.061	2.030	12.0	19.3	7 20	18 8.84	-33 1.1	1.412	2.362	11.3	20.8
7 30	18 10.44	-18 18.1	1.133	2.049	16.4	19.6	7 30	18 1.10	-32 41.0	1.462	2.348	15.4	21.0
429421	2010 <i>UD</i> ₄₁		6 29.0 266°55'	3°1/28.6	18		137644	1999					