

EPHEMERIDES

6 1.9

6 2.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
437046	2012 <i>UV</i> ₆		6 1.9 209°47	0°5/ 1.9 17			114370	2002 <i>XR</i> ₉₆		6 1.9 226°56	0°6/ 1.8 18		
5 1	17 5.15	-20 30.3	2.058	2.931	11.8	21.3	5 1	17 4.09	-20 44.6	2.151	3.023	11.3	20.0
5 11	16 59.20	-20 34.3	1.984	2.929	8.5	21.1	5 11	16 58.37	-20 40.1	2.075	3.020	8.2	19.8
5 21	16 51.35	-20 37.0	1.934	2.927	4.8	20.9	5 21	16 50.87	-20 33.7	2.024	3.017	4.6	19.5
5 31	16 42.33	-20 38.3	1.911	2.924	0.9	20.6	5 31	16 42.28	-20 25.8	2.000	3.013	0.9	19.2
6 10	16 33.09	-20 39.0	1.916	2.922	3.3	20.8	6 10	16 33.49	-20 17.4	2.004	3.010	3.3	19.4
6 20	16 24.58	-20 40.2	1.948	2.919	7.2	21.0	6 20	16 25.39	-20 10.1	2.035	3.006	7.0	19.7
6 30	16 17.62	-20 43.6	2.005	2.916	10.7	21.2	6 30	16 18.76	-20 5.6	2.092	3.002	10.4	19.9
7 10	16 12.81	-20 50.5	2.085	2.913	13.7	21.4	7 10	16 14.16	-20 5.6	2.171	2.998	13.3	20.0
288165	2003 <i>WG</i> ₁₅₀		6 1.9 227°24	2°8/ 1.2 17			239177	2006 <i>KW</i> ₇₁		6 2.0 244°66	3°7/31.8 17		
5 1	17 4.13	-14 43.0	2.056	2.929	11.8	20.7	5 1	17 3.55	-12 52.9	1.978	2.852	12.1	21.4
5 11	16 58.41	-14 28.6	1.982	2.925	8.6	20.5	5 11	16 58.03	-12 24.8	1.907	2.849	9.0	21.2
5 21	16 50.88	-14 16.8	1.932	2.921	5.2	20.3	5 21	16 50.69	-12 0.3	1.859	2.845	5.7	21.0
5 31	16 42.25	-14 8.9	1.909	2.916	2.8	20.1	5 31	16 42.25	-11 41.6	1.838	2.841	3.7	20.8
6 10	16 33.42	-14 6.4	1.913	2.912	4.5	20.2	6 10	16 33.63	-11 30.9	1.844	2.837	5.3	20.9
6 20	16 25.28	-14 10.5	1.945	2.907	7.9	20.4	6 20	16 25.73	-11 29.7	1.876	2.833	8.5	21.1
6 30	16 18.62	-14 22.0	2.001	2.902	11.2	20.6	6 30	16 19.33	-11 38.6	1.932	2.829	11.8	21.3
7 10	16 14.00	-14 41.0	2.079	2.897	14.1	20.8	7 10	16 15.01	-11 57.3	2.010	2.825	14.7	21.5
364659	2007 <i>TZ</i> ₁₉₅		6 1.9 315°86	0°0/ 1.8 17			218413	2004 <i>RU</i> ₈₇		6 2.0 316°63	3°2/31.7 18		
5 1	17 5.05	-21 56.6	1.192	2.090	16.7	21.0	5 1	17 0.97	-15 1.3	2.035	2.915	11.6	19.5
5 11	17 0.42	-22 2.5	1.116	2.073	12.2	20.7	5 11	16 56.20	-14 18.8	1.956	2.902	8.5	19.3
5 21	16 52.62	-22 5.4	1.060	2.056	7.0	20.3	5 21	16 49.68	-13 37.0	1.901	2.889	5.3	19.0
5 31	16 42.60	-22 4.7	1.026	2.039	1.2	19.9	5 31	16 42.09	-12 58.7	1.872	2.877	3.2	18.9
6 10	16 31.91	-22 1.4	1.015	2.023	4.8	20.1	6 10	16 34.29	-12 26.9	1.870	2.866	4.9	19.0
6 20	16 22.23	-21 57.6	1.027	2.008	10.7	20.3	6 20	16 27.12	-12 3.8	1.894	2.854	8.3	19.1
6 30	16 15.06	-21 56.7	1.060	1.993	16.0	20.6	6 30	16 21.37	-11 51.2	1.943	2.843	11.6	19.3
7 10	16 11.38	-22 1.7	1.110	1.979	20.5	20.8	7 10	16 17.59	-11 49.8	2.012	2.832	14.5	19.5
484394	2007 <i>WV</i> ₂₃		6 1.9 225°26	0°6/ 1.7 17			384446	2010 <i>AD</i> ₅₉		6 2.0 178°63	9°9/31.2 18		
5 1	16 58.85	-19 47.5	3.819	4.681	7.1	23.0	5 1	17 5.66	+ 5 36.6	1.951	2.774	14.3	20.5
5 11	16 54.00	-19 40.7	3.732	4.672	5.1	22.8	5 11	16 59.46	+ 6 4.1	1.891	2.775	12.3	20.3
5 21	16 48.18	-19 33.0	3.671	4.662	2.9	22.7	5 21	16 51.46	+ 6 12.6	1.853	2.775	10.6	20.2
5 31	16 41.79	-19 24.8	3.639	4.652	0.7	22.5	5 31	16 42.39	+ 5 58.1	1.839	2.775	9.9	20.2
6 10	16 35.28	-19 16.9	3.638	4.642	2.1	22.6	6 10	16 33.19	+ 5 19.4	1.849	2.775	10.5	20.2
6 20	16 29.10	-19 10.0	3.665	4.631	4.4	22.7	6 20	16 24.75	+ 4 17.6	1.884	2.775	12.2	20.3
6 30	16 23.70	-19 5.1	3.721	4.620	6.5	22.9	6 30	16 17.88	+ 2 56.2	1.941	2.775	14.4	20.5
7 10	16 19.40	-19 3.0	3.800	4.609	8.4	23.0	7 10	16 13.09	+ 1 20.2	2.018	2.774	16.5	20.6
41483	2000 <i>QD</i> ₄₁		6 1.9 126°72	4°8/31.5 18			83039	2001 <i>QU</i> ₁₉₁		6 2.0 309°22	0°0/ 1.8 18		
5 1	17 4.95	-10 48.0	1.850	2.722	12.9	19.1	5 1	17 3.61	-25 6.4	1.858	2.734	12.7	18.7
5 11	16 58.98	-10 6.9	1.791	2.730	9.7	18.9	5 11	16 58.30	-24 17.4	1.775	2.722	9.2	18.4
5 21	16 51.17	-9 31.1	1.756	2.737	6.5	18.7	5 21	16 50.93	-23 19.4	1.716	2.709	5.2	18.2
5 31	16 42.30	-9 4.0	1.747	2.744	4.8	18.6	5 31	16 42.31	-22 14.2	1.683	2.697	0.9	17.8
6 10	16 33.36	-8 48.0	1.765	2.751	6.2	18.7	6 10	16 33.49	-21 5.6	1.678	2.685	3.6	18.0
6 20	16 25.27	-8 44.7	1.808	2.758	9.3	18.9	6 20	16 25.49	-19 58.1	1.700	2.673	7.9	18.2
6 30	16 18.85	-8 54.2	1.875	2.764	12.5	19.1	6 30	16 19.22	-18 56.7	1.746	2.662	11.8	18.5
7 10	16 14.59	-9 15.5	1.963	2.770	15.2	19.3	7 10	16 15.28	-18 5.0	1.813	2.650	15.1	18.6
266099	2006 <i>SO</i> ₃		6 1.9 172°17	0°4/ 1.9 17			518684	2008 <i>UR</i> ₃₇₄		6 2.0 213°65	0°6/ 2.2 17		
5 1	17 7.75	-21 56.4	1.917	2.788	12.6	21.9	5 1	17 5.87	-23 55.3	2.087	2.956	11.8	21.7
5 11	17 1.11	-21 43.8	1.847	2.791	9.1	21.7	5 11	16 59.76	-24 0.1	2.010	2.952	8.6	21.5
5 21	16 52.42	-21 27.4	1.802	2.794	5.1	21.4	5 21	16 51.71	-24 0.8	1.957	2.948	4.9	21.2
5 31	16 42.52	-21 8.0	1.782	2.796	0.9	21.1	5 31	16 42.45	-23 57.0	1.931	2.943	1.1	20.9
6 10	16 32.46	-20 47.0	1.791	2.797	3.5	21.3	6 10	16 32.95	-23 49.3	1.932	2.939	3.2	21.1
6 20	16 23.29	-20 26.7	1.827	2.798	7.6	21.6	6 20	16 24.18	-23 39.3	1.962	2.934	7.1	21.3
6 30	16 15.88	-20 9.9	1.889	2.798	11.3	21.8	6 30	16 17.01	-23 29.3	2.016	2.929	10.6	21.5
7 10	16 10.82	-19 58.8	1.971	2.798	14.5	22.0	7 10	16 12.02	-23 21.8	2.093	2.924	13.6	21.7
246819	2009 <i>LO</i> ₂		6 1.9 311°70	7°6/29.0 16			112512	2002 <i>PV</i> ₂₄		6 2.0 287°87	2°4/ 1.4 18		
5 1	17 0.48	- 2 58.2	2.105	2.963	12.1	20.0	5 1	17 6.09	-17 48.9	1.519	2.404	14.5	19.9
5 11	16 55.70	- 1 38.1	2.038	2.955	9.9	19.8	5 11	17 0.66	-17 27.1	1.429	2.379	10.7	19.6
5 21	16 49.32	- 0 26.8	1.994	2.947	8.1	19.7	5 21	16 52.57	-17 4.4	1.361	2.354	6.3	19.3
5 31	16 42.00	+ 0 30.3	1.977	2.939	7.6	19.7	5 31	16 42.64	-16 42.7	1.319	2.330	2.5	19.0
6 10	16 34.53	+ 1 9.6	1.984	2.931	8.7	19.7	6 10	16 32.10	-16 24.5	1.301	2.304	5.1	19.1
6 20	16 27.68	+ 1 28.8	2.017	2.924	10.8	19.8	6 20	16 22.29	-16 12.4	1.309	2.279	10.0	19.3
6 30	16 22.15	+ 1 28.1	2.071	2.916	13.2	20.0	6 30	16 14.44	-16 9.1	1.339	2.254	14.6	19.5
7 10	16 18.44	+ 1 9.3	2.145	2.909	15.4	20.1	7 10	16 9.44	-16 16.2	1.388	2.229	18.7	19.7
236658	2006 <i>KH</i> ₁₁₆		6 1.9 270°75	1°5/ 1.5 18			75922	2000 <i>CQ</i> ₆₄		6 2.0 183°96	3°9/ 3.4 18		
5 1	17 3.98	-19 9.9	1.951	2.829	12.1	20.7	5 1	17 7.51	-34 5.5	2.215	3.061	12.1	20.1
5 11	16 58.47	-18 46.7	1.871	2.818	8.8	20.5	5 11	17 0.97	-34 21.1	2.140	3.061	9.3	19.9
5 21	16 51.00	-18 21.7	1.814	2.807	5.0	20.3	5 21	16 52.38	-34 25.5	2.088	3.061	6.4	19.7
5 31	16 42.30	-17 56.4	1.784	2.795	1.7	20.0	5 31	16 42.56	-34 16.9	2.063	3.060	4.1	19.6
6 10	16 33.35	-17 32.8	1.781	2.784	3.9	20.1	6 10	16 32.55	-33 55.4	2.065	3.060	4.6	19.6
6 20	16 25.10	-17 13.2	1.804	2.773	7.9	20.4	6 20	16 23.37	-33 23.2	2.095	3.059	7.3	19.8
6 30	16 18.43	-16 59.8	1.852	2.761	11.5	20.6	6 30	16 15.92	-32 44.3	2.150	3.057	10.2	19.9
7 10	16 13.95	-16 54.2	1.922	2.750	14.7	20.7	7 10	16 10.80	-32 3.4	2.227	3.056	13.0	20.1
69437	1996 <i>KW</i> ₂		6 1.9 286°85	4°9/30.3 18			357809	2005 <i>TS</i> ₁₆₁		6 2.0 167°			

EPHEMERIDES

6 2.0

6 2.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
477738	2010 <i>TR</i> ₁₀₇		6 2.0 308°37	3°7/ 3.1 18			276643	2003 <i>UD</i> ₂₂₆		6 2.0 302°32	0°2/ 2.1 18		
5 1	17 5.01	-32 19.5	2.181	3.036	11.9	21.1	5 1	17 6.43	-21 28.2	1.697	2.575	13.5	20.1
5 11	16 59.29	-32 49.6	2.100	3.028	9.1	20.9	5 11	17 0.91	-21 51.9	1.597	2.544	10.0	19.8
5 21	16 51.53	-33 10.7	2.043	3.020	6.1	20.7	5 21	16 52.78	-22 15.4	1.520	2.513	5.7	19.5
5 31	16 42.45	-33 20.8	2.012	3.012	3.9	20.6	5 31	16 42.75	-22 37.4	1.468	2.481	1.0	19.1
6 10	16 33.06	-33 19.1	2.008	3.004	4.6	20.6	6 10	16 31.95	-22 57.4	1.443	2.450	3.9	19.2
6 20	16 24.37	-33 7.0	2.031	2.997	7.3	20.8	6 20	16 21.67	-23 15.4	1.443	2.418	8.8	19.4
6 30	16 17.30	-32 47.5	2.079	2.990	10.4	20.9	6 30	16 13.16	-23 33.0	1.468	2.387	13.3	19.6
7 10	16 12.50	-32 24.7	2.149	2.983	13.2	21.1	7 10	16 7.37	-23 52.4	1.513	2.356	17.3	19.8
416353	2003 <i>SL</i> ₃₃₃		6 2.0 212°35	0°0/ 2.1 17			332812	2009 <i>WQ</i> ₁₈₁		6 2.0 350°30	4°7/ 31.3 17		
5 1	17 9.00	-23 26.3	2.067	2.931	12.1	22.6	5 1	17 2.14	-14 52.6	1.354	2.250	15.2	19.7
5 11	17 2.05	-23 12.9	1.983	2.923	8.8	22.4	5 11	16 57.65	-13 47.3	1.292	2.245	11.2	19.4
5 21	16 53.03	-22 54.3	1.923	2.914	5.0	22.2	5 21	16 50.73	-12 42.7	1.250	2.241	7.1	19.2
5 31	16 42.70	-22 30.9	1.890	2.903	0.9	21.8	5 31	16 42.35	-11 44.2	1.233	2.237	4.7	19.0
6 10	16 32.11	-22 3.9	1.886	2.892	3.4	22.0	6 10	16 33.76	-10 57.1	1.239	2.234	6.9	19.1
6 20	16 22.27	-21 36.0	1.911	2.880	7.4	22.2	6 20	16 26.20	-10 25.3	1.269	2.232	11.0	19.3
6 30	16 14.10	-21 10.1	1.961	2.868	11.1	22.4	6 30	16 20.71	-10 11.1	1.320	2.231	15.1	19.6
7 10	16 8.23	-20 49.3	2.033	2.854	14.3	22.6	7 10	16 17.93	-10 14.0	1.390	2.231	18.7	19.8
206515	2003 <i>UB</i> ₁₃₃		6 2.0 265°84	3°8/ 2.9 18			270400	2002 <i>AH</i> ₁₉₀		6 2.0 38°85	5°0/ 1.4 17		
5 1	17 7.81	-31 36.7	2.050	2.904	12.6	20.2	5 1	17 6.09	-9 7.3	1.571	2.447	14.6	20.5
5 11	17 1.52	-32 10.7	1.960	2.888	9.6	20.0	5 11	17 0.18	-9 9.7	1.512	2.452	11.0	20.3
5 21	16 52.90	-32 36.2	1.894	2.872	6.4	19.8	5 21	16 52.04	-9 22.3	1.476	2.458	7.4	20.1
5 31	16 42.70	-32 50.3	1.854	2.856	3.9	19.6	5 31	16 42.57	-9 46.5	1.464	2.464	5.1	20.0
6 10	16 32.03	-32 51.9	1.842	2.839	4.8	19.6	6 10	16 32.92	-10 22.9	1.478	2.470	6.5	20.1
6 20	16 22.03	-32 42.0	1.856	2.822	7.9	19.8	6 20	16 24.22	-11 10.3	1.517	2.476	9.9	20.3
6 30	16 13.79	-32 23.9	1.895	2.805	11.3	19.9	6 30	16 17.43	-12 7.1	1.579	2.482	13.5	20.5
7 10	16 8.05	-32 2.2	1.956	2.787	14.4	20.1	7 10	16 13.18	-13 11.0	1.662	2.489	16.7	20.8
83554	2001 <i>SY</i> ₁₇₇		6 2.0 339°93	1°8/ 2.4 18			355689	2008 <i>FN</i> ₁₉		6 2.0 218°70	4°4/ 31.1 16		
5 1	17 5.68	-25 32.2	1.942	2.813	12.5	19.0	5 1	17 1.48	-9 40.1	2.380	3.246	10.6	21.8
5 11	16 59.84	-26 6.4	1.868	2.810	9.1	18.8	5 11	16 56.28	-8 58.7	2.310	3.244	8.1	21.6
5 21	16 51.86	-26 36.6	1.818	2.808	5.4	18.6	5 21	16 49.64	-8 22.0	2.265	3.241	5.6	21.5
5 31	16 42.51	-27 0.8	1.794	2.805	2.0	18.3	5 31	16 42.15	-7 52.7	2.246	3.239	4.4	21.4
6 10	16 32.86	-27 18.3	1.798	2.803	3.7	18.5	6 10	16 34.54	-7 33.1	2.255	3.236	5.6	21.5
6 20	16 23.95	-27 29.7	1.828	2.801	7.4	18.7	6 20	16 27.51	-7 24.5	2.291	3.233	8.0	21.6
6 30	16 16.76	-27 37.0	1.883	2.799	11.0	18.9	6 30	16 21.71	-7 27.5	2.352	3.230	10.7	21.8
7 10	16 11.94	-27 42.8	1.960	2.798	14.1	19.1	7 10	16 17.59	-7 41.5	2.434	3.227	13.0	21.9
69448	1996 <i>TQ</i>		6 2.0 162°62	0°5/ 1.9 18			432789	2011 <i>FO</i> ₁₁₅		6 2.0 81°13	2°7/ 31.9 17		
5 1	17 9.19	-21 16.1	1.868	2.738	12.9	20.1	5 1	17 5.57	-18 4.3	1.701	2.581	13.4	21.7
5 11	17 2.20	-21 12.1	1.801	2.744	9.3	19.9	5 11	16 59.54	-17 5.8	1.647	2.595	9.7	21.5
5 21	16 53.09	-21 5.4	1.758	2.750	5.2	19.7	5 21	16 51.53	-16 5.9	1.618	2.609	5.7	21.3
5 31	16 42.72	-20 56.0	1.741	2.754	1.0	19.4	5 31	16 42.46	-15 8.0	1.614	2.623	2.8	21.1
6 10	16 32.19	-20 45.2	1.753	2.758	3.6	19.6	6 10	16 33.44	-14 16.3	1.637	2.637	4.9	21.3
6 20	16 22.59	-20 34.8	1.791	2.762	7.8	19.8	6 20	16 25.45	-13 34.2	1.687	2.651	8.7	21.5
6 30	16 14.83	-20 27.2	1.855	2.764	11.5	20.1	6 30	16 19.32	-13 4.2	1.760	2.664	12.3	21.8
7 10	16 9.50	-20 24.4	1.941	2.766	14.7	20.3	7 10	16 15.55	-12 47.1	1.854	2.678	15.4	22.0
367076	2006 <i>PA</i> ₂₅		6 2.0 319°70	2°4/ 1.5 17			24234	1999 <i>XA</i> ₉₅		6 2.0 246°49	2°5/ 1.5 18		
5 1	17 2.91	-18 25.7	1.167	2.070	16.6	20.1	5 1	17 8.35	-15 24.9	1.874	2.744	12.9	18.6
5 11	16 58.92	-18 5.6	1.086	2.045	12.2	19.8	5 11	17 1.83	-15 22.9	1.785	2.727	9.5	18.4
5 21	16 51.84	-17 44.5	1.026	2.022	7.1	19.4	5 21	16 53.06	-15 23.6	1.720	2.709	5.7	18.1
5 31	16 42.57	-17 24.4	0.987	1.999	2.6	19.1	5 31	16 42.77	-15 28.0	1.681	2.691	2.6	17.9
6 10	16 32.58	-17 8.5	0.971	1.976	5.7	19.2	6 10	16 32.03	-15 36.9	1.671	2.671	4.6	17.9
6 20	16 23.47	-16 59.9	0.977	1.955	11.4	19.4	6 20	16 21.92	-15 51.1	1.687	2.652	8.7	18.1
6 30	16 16.77	-17 1.6	1.003	1.935	16.8	19.6	6 30	16 13.47	-16 11.7	1.728	2.631	12.6	18.3
7 10	16 13.46	-17 15.3	1.046	1.916	21.4	19.9	7 10	16 7.42	-16 38.9	1.790	2.610	16.0	18.5
77834	2001 <i>QW</i> ₂₅₀		6 2.0 244°54	3°9/ 31.9 18			472730	2015 <i>FD</i> ₇₅		6 2.0 268°51	1°5/ 2.4 17		
5 1	17 3.62	-10 40.0	2.122	2.990	11.6	19.2	5 1	17 6.29	-25 36.3	1.914	2.784	12.6	20.8
5 11	16 58.01	-10 28.8	2.050	2.987	8.7	19.0	5 11	17 0.29	-25 58.1	1.839	2.781	9.3	20.6
5 21	16 50.68	-10 23.4	2.002	2.984	5.8	18.8	5 21	16 52.13	-26 15.0	1.788	2.778	5.5	20.3
5 31	16 42.32	-10 25.6	1.980	2.980	4.0	18.7	5 31	16 42.60	-26 25.6	1.764	2.775	1.9	20.1
6 10	16 33.77	-10 36.4	1.986	2.977	5.3	18.8	6 10	16 32.78	-26 29.8	1.766	2.772	3.6	20.2
6 20	16 25.86	-10 56.4	2.019	2.973	8.2	19.0	6 20	16 23.76	-26 28.7	1.796	2.769	7.5	20.4
6 30	16 19.35	-11 25.3	2.077	2.970	11.2	19.1	6 30	16 16.49	-26 24.9	1.850	2.766	11.2	20.6
7 10	16 14.78	-12 2.3	2.156	2.966	13.9	19.3	7 10	16 11.63	-26 21.3	1.926	2.763	14.4	20.8
211977	2005 <i>AX</i> ₂₆		6 2.0 84°67	0°8/ 1.8 17			33603	Saramason		6 2.0 300°92	3°4/ 1.1 18		
5 1	17 8.09	-21 57.6	1.425	2.310	15.3	20.7	5 1	17 4.87	-14 16.0	1.694	2.574	13.5	18.6
5 11	17 1.75	-21 30.9	1.372	2.322	11.0	20.5	5 11	16 59.26	-13 55.4	1.626	2.572	9.9	18.4
5 21	16 52.92	-20 59.5	1.341	2.335	6.2	20.3	5 21	16 51.53	-13 38.1	1.581	2.570	6.1	18.1
5 31	16 42.69	-20 25.1	1.334	2.348	1.2	20.0	5 31	16 42.49	-13 26.3	1.561	2.568	3.5	17.9
6 10	16 32.46	-19 50.6	1.354	2.360	4.3	20.2	6 10	16 33.24	-13 21.9	1.568	2.566	5.3	18.1
6 20	16 23.49	-19 19.6	1.398	2.373	9.1	20.5	6 20	16 24.84	-13 26.2	1.600	2.564	9.1	18.3
6 30	16 16.82	-18 55.6	1.466	2.385	13.4	20.8	6 30	16 18.22	-13 40.1	1.655	2.562	12.8	18.5
7 10	16 13.00	-18 41.0	1.553	2.397	16.9	21.1	7 10	16 14.00	-14 3.4	1.731	2.560	16.1	18.7
442931	2013 <i>CW</i> ₆₄		6 2.0 159°08	3°4/ 3.5 17			430926	2005 <i>TD</i> ₁₁₃		6 2.0 174°06	1°8/ 2.7		

EPHEMERIDES

6 2.0

6 2.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
295526	2008 <i>RC</i> ₁₁₈		6 2.0 162°57	1°3/ 2.4 17			438183	2005 <i>TR</i> ₁₉₃		6 2.0 269°40	4°0/ 3.8 18		
5 1	17 6.09	-26 10.0	1.899	2.769	12.7	21.4	5 1	17 5.76	-35 36.0	2.382	3.222	11.5	20.6
5 11	17 0.06	-26 7.7	1.828	2.770	9.3	21.1	5 11	16 59.73	-35 35.4	2.290	3.207	9.0	20.4
5 21	16 51.94	-25 58.8	1.781	2.771	5.4	20.9	5 21	16 51.76	-35 22.5	2.222	3.192	6.3	20.2
5 31	16 42.56	-25 42.7	1.760	2.772	1.6	20.7	5 31	16 42.58	-34 56.0	2.181	3.177	4.2	20.1
6 10	16 33.00	-25 20.8	1.767	2.773	3.5	20.8	6 10	16 33.15	-34 16.2	2.167	3.161	4.6	20.1
6 20	16 24.33	-24 55.5	1.800	2.774	7.4	21.0	6 20	16 24.45	-33 25.7	2.181	3.145	7.0	20.2
6 30	16 17.44	-24 30.0	1.858	2.775	11.1	21.3	6 30	16 17.32	-32 28.7	2.221	3.130	9.9	20.4
7 10	16 12.93	-24 7.8	1.938	2.775	14.3	21.5	7 10	16 12.37	-31 30.3	2.284	3.114	12.6	20.5
351858	2006 <i>RO</i> ₉₇		6 2.0 127°36	4°2/30.9 18			345940	2007 <i>RB</i> ₂₇₈		6 2.0 299°06	6°4/31.6 16		
5 1	17 2.12	- 8 28.3	2.876	3.731	9.3	22.4	5 1	17 4.13	- 5 56.3	1.785	2.652	13.5	20.5
5 11	16 56.42	- 7 41.9	2.821	3.747	7.1	22.2	5 11	16 58.79	- 5 36.7	1.702	2.633	10.6	20.2
5 21	16 49.58	- 7 0.5	2.793	3.764	5.1	22.1	5 21	16 51.35	- 5 27.8	1.642	2.614	7.8	20.0
5 31	16 42.14	- 6 26.2	2.793	3.779	4.2	22.1	5 31	16 42.53	- 5 32.9	1.606	2.594	6.4	19.9
6 10	16 34.71	- 6 1.1	2.822	3.794	5.1	22.2	6 10	16 33.30	- 5 54.1	1.597	2.575	7.6	19.9
6 20	16 27.84	- 5 46.2	2.878	3.809	7.1	22.3	6 20	16 24.69	- 6 31.5	1.612	2.557	10.6	20.0
6 30	16 22.05	- 5 41.9	2.960	3.823	9.2	22.5	6 30	16 17.66	- 7 23.9	1.650	2.538	13.9	20.2
7 10	16 17.69	- 5 47.6	3.065	3.837	11.1	22.6	7 10	16 12.91	- 8 28.9	1.709	2.520	17.0	20.4
503874	2000 <i>SH</i> ₂₇₂		6 2.0 304°15	1°1/ 2.3 17			92453	2000 <i>KZ</i> ₂₁		6 2.0 274°49	1°0/ 1.7 17		
5 1	17 6.56	-25 2.5	1.265	2.155	16.4	21.7	5 1	17 7.34	-21 41.1	1.399	2.286	15.4	19.8
5 11	17 1.79	-24 59.7	1.168	2.121	12.2	21.3	5 11	17 1.68	-21 12.2	1.319	2.271	11.2	19.5
5 21	16 53.64	-24 48.9	1.092	2.086	7.2	20.9	5 21	16 53.21	-20 37.6	1.261	2.256	6.4	19.2
5 31	16 42.95	-24 28.7	1.039	2.051	1.8	20.5	5 31	16 42.86	-19 58.6	1.227	2.240	1.4	18.8
6 10	16 31.21	-23 59.8	1.009	2.017	4.9	20.6	6 10	16 32.04	-19 18.5	1.219	2.225	4.7	19.0
6 20	16 20.16	-23 25.7	1.002	1.982	10.9	20.8	6 20	16 22.20	-18 41.4	1.235	2.209	10.0	19.2
6 30	16 11.54	-22 52.0	1.017	1.948	16.6	21.0	6 30	16 14.61	-18 11.8	1.273	2.194	14.8	19.5
7 10	16 6.51	-22 24.8	1.048	1.914	21.7	21.2	7 10	16 10.09	-17 52.9	1.330	2.178	19.0	19.7
226326	2003 <i>ED</i> ₂₉		6 2.0 1°95	3°3/ 1.4 17			479806	2014 <i>FC</i> ₃₀		6 2.0 50°27	4°2/ 3.3 16		
5 1	17 4.06	-14 58.6	1.392	2.283	15.1	19.5	5 1	17 6.62	-33 34.3	2.081	2.933	12.5	21.2
5 11	16 59.04	-14 48.8	1.330	2.282	11.1	19.3	5 11	17 0.51	-34 3.2	2.010	2.934	9.6	21.0
5 21	16 51.54	-14 43.1	1.289	2.282	6.7	19.0	5 21	16 52.25	-34 21.4	1.961	2.935	6.6	20.8
5 31	16 42.52	-14 43.4	1.273	2.282	3.4	18.8	5 31	16 42.67	-34 26.7	1.939	2.936	4.4	20.7
6 10	16 33.24	-14 51.2	1.281	2.283	5.5	19.0	6 10	16 32.86	-34 18.7	1.943	2.938	4.9	20.7
6 20	16 24.98	-15 7.4	1.313	2.284	9.9	19.2	6 20	16 23.89	-33 59.1	1.974	2.939	7.6	20.9
6 30	16 18.81	-15 32.4	1.367	2.286	14.1	19.5	6 30	16 16.71	-33 31.8	2.030	2.940	10.6	21.1
7 10	16 15.42	-16 5.8	1.441	2.289	17.7	19.7	7 10	16 11.94	-33 1.2	2.108	2.942	13.4	21.2
189566	2000 <i>SQ</i> ₂₇₈		6 2.0 257°45	0°0/ 1.9 18			250017	2002 <i>AK</i> ₁₁₀		6 2.0 52°98	3°8/ 3.6 18		
5 1	17 6.30	-23 33.2	2.009	2.879	12.1	20.8	5 1	17 5.42	-33 51.3	2.087	2.939	12.5	19.8
5 11	17 0.26	-23 15.9	1.918	2.861	8.8	20.6	5 11	16 59.50	-34 0.1	2.023	2.948	9.5	19.6
5 21	16 52.12	-22 53.0	1.851	2.843	5.0	20.3	5 21	16 51.59	-33 57.2	1.982	2.957	6.4	19.4
5 31	16 42.62	-22 25.1	1.810	2.824	0.9	20.0	5 31	16 42.55	-33 41.3	1.967	2.967	4.1	19.3
6 10	16 32.77	-21 53.8	1.798	2.804	3.4	20.1	6 10	16 33.42	-33 13.1	1.979	2.976	4.6	19.3
6 20	16 23.59	-21 21.7	1.812	2.784	7.6	20.4	6 20	16 25.21	-32 35.5	2.018	2.986	7.3	19.5
6 30	16 16.03	-20 52.2	1.852	2.764	11.4	20.5	6 30	16 18.77	-31 52.7	2.082	2.995	10.2	19.7
7 10	16 10.76	-20 28.2	1.914	2.743	14.7	20.7	7 10	16 14.65	-31 9.1	2.168	3.005	13.0	19.9
261603	2005 <i>XX</i> ₆₇		6 2.0 248°33	4°0/ 2.4 18			337097	1998 <i>XS</i> ₆		6 2.0 215°65	0°3/ 2.1 18		
5 1	17 18.61	- 9 8.0	1.176	2.048	18.7	19.8	5 1	17 6.22	-22 29.1	2.341	3.205	10.9	21.1
5 11	17 10.54	-10 22.5	1.097	2.037	14.2	19.5	5 11	16 59.92	-22 44.4	2.259	3.199	7.9	20.9
5 21	16 58.62	-11 58.2	1.039	2.026	8.9	19.1	5 21	16 51.83	-22 57.4	2.201	3.192	4.5	20.6
5 31	16 43.83	-13 53.3	1.006	2.014	4.3	18.8	5 31	16 42.61	-23 7.6	2.172	3.185	0.8	20.3
6 10	16 27.91	-16 1.4	0.999	2.002	6.4	18.9	6 10	16 33.11	-23 15.0	2.171	3.178	3.0	20.5
6 20	16 12.90	-18 14.3	1.019	1.989	12.2	19.2	6 20	16 24.22	-23 20.3	2.199	3.170	6.5	20.7
6 30	16 0.69	-20 25.3	1.062	1.976	17.7	19.4	6 30	16 16.73	-23 25.0	2.253	3.161	9.8	20.9
7 10	15 52.47	-22 30.9	1.124	1.962	22.3	19.7	7 10	16 11.22	-23 31.1	2.330	3.153	12.7	21.1
312179	2007 <i>VS</i> ₁₀		6 2.0 272°53	4°5/ 1.1 17			510383	2011 <i>UX</i> ₅₂		6 2.0 211°78	0°4/ 1.9 18		
5 1	17 7.69	-12 22.2	1.488	2.368	15.0	20.2	5 1	17 3.77	-20 47.8	2.489	3.356	10.2	22.1
5 11	17 1.81	-12 5.1	1.404	2.349	11.3	19.9	5 11	16 58.02	-20 51.9	2.411	3.353	7.3	21.9
5 21	16 53.26	-11 53.7	1.342	2.329	7.3	19.6	5 21	16 50.69	-20 54.5	2.357	3.349	4.1	21.7
5 31	16 42.87	-11 50.8	1.304	2.308	4.5	19.4	5 31	16 42.41	-20 55.8	2.332	3.345	0.8	21.4
6 10	16 31.88	-11 58.5	1.291	2.288	6.5	19.4	6 10	16 33.93	-20 56.3	2.335	3.341	2.8	21.6
6 20	16 21.65	-12 18.1	1.304	2.267	10.8	19.6	6 20	16 26.02	-20 56.9	2.366	3.336	6.2	21.8
6 30	16 13.40	-12 49.8	1.339	2.246	15.2	19.8	6 30	16 19.38	-20 59.1	2.424	3.331	9.2	22.0
7 10	16 8.02	-13 32.7	1.393	2.224	19.1	20.0	7 10	16 14.52	-21 4.1	2.504	3.326	11.9	22.1
106811	2000 <i>XE</i> ₄₀		6 2.0 208°15	7°6/ 4.9 18			278374	2007 <i>LO</i> ₉		6 2.0 201°81	2°0/ 1.6 18		
5 1	17 10.77	-47 28.6	2.686	3.464	12.0	20.1	5 1	17 6.71	-15 34.5	2.259	3.124	11.2	21.0
5 11	17 3.53	-48 17.2	2.608	3.461	10.3	19.9	5 11	17 0.23	-15 39.2	2.181	3.120	8.1	20.8
5 21	16 53.98	-48 49.8	2.551	3.457	8.7	19.8	5 21	16 51.99	-15 46.2	2.127	3.116	4.8	20.6
5 31	16 42.96	-49 2.7	2.520	3.453	7.7	19.7	5 31	16 42.65	-15 56.0	2.101	3.111	2.1	20.4
6 10	16 31.60	-48 54.3	2.514	3.448	7.7	19.7	6 10	16 33.07	-16 9.1	2.104	3.105	3.8	20.5
6 20	16 21.07	-48 25.9	2.533	3.443	8.8	19.8	6 20	16 24.11	-16 26.0	2.136	3.099	7.2	20.7
6 30	16 12.38	-47 41.6	2.577	3.438	10.4	19.9	6 30	16 16.55	-16 47.1	2.193	3.093	10.4	20.9
7 10	16 6.23	-46 47.1	2.643	3.433	12.2	20.0	7 10	16 10.97	-17 12.9	2.273	3.086	13.2	21.1
26671	Williamlopes		6 2.0 117°46	0°9/ 1.8 17			317515	2002 <i>TF</i> ₈₂		6 2.0 349°18			

EPHEMERIDES

6 2.0

6 2.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
59895	1999 <i>RH</i> ₁₄₀		6 2.0 224°96	0°5/ 1.8 18			264718	2002 <i>CO</i> ₁₈		6 2.0 87°20	6°6/ 3.9 17		
5 1	17 2.79	-21 45.6	2.637	3.503	9.7	20.4	5 1	17 11.71	-38 11.8	1.792	2.631	14.8	20.4
5 11	16 57.24	-21 26.6	2.554	3.496	7.0	20.2	5 11	17 4.52	-39 2.6	1.736	2.645	11.8	20.2
5 21	16 50.23	-21 4.5	2.496	3.488	3.9	20.0	5 21	16 54.63	-39 37.7	1.701	2.660	8.8	20.1
5 31	16 42.34	-20 40.2	2.467	3.480	0.8	19.7	5 31	16 43.13	-39 52.6	1.692	2.674	6.8	20.0
6 10	16 34.30	-20 15.1	2.467	3.472	2.8	19.9	6 10	16 31.46	-39 46.5	1.708	2.688	7.1	20.0
6 20	16 26.80	-19 51.0	2.494	3.463	6.0	20.1	6 20	16 21.01	-39 21.8	1.749	2.702	9.3	20.2
6 30	16 20.51	-19 29.9	2.549	3.455	8.9	20.2	6 30	16 12.93	-38 44.2	1.814	2.716	12.1	20.4
7 10	16 15.88	-19 13.5	2.626	3.445	11.5	20.4	7 10	16 7.87	-38 0.5	1.900	2.729	14.8	20.6
463234	2012 <i>EL</i> ₄		6 2.0 77°19	3°0/ 2.8 17			455471	2003 <i>UZ</i> ₁₁₈		6 2.1 312°32	0°4/ 1.9 17		
5 1	17 10.03	-28 40.4	1.469	2.343	15.5	21.4	5 1	17 4.66	-22 31.3	1.236	2.133	16.3	20.6
5 11	17 3.33	-29 3.4	1.417	2.358	11.5	21.2	5 11	17 0.15	-22 15.2	1.156	2.112	12.0	20.3
5 21	16 53.93	-29 16.6	1.386	2.373	7.1	21.0	5 21	16 52.56	-21 53.2	1.096	2.091	6.9	19.9
5 31	16 42.98	-29 17.8	1.379	2.388	3.3	20.8	5 31	16 42.83	-21 25.8	1.058	2.071	1.2	19.5
6 10	16 31.94	-29 7.3	1.399	2.403	4.7	20.9	6 10	16 32.47	-20 55.5	1.044	2.052	4.8	19.7
6 20	16 22.22	-28 48.0	1.443	2.418	8.9	21.2	6 20	16 23.07	-20 26.4	1.053	2.033	10.6	19.9
6 30	16 14.94	-28 24.8	1.511	2.432	12.9	21.5	6 30	16 16.08	-20 3.0	1.083	2.015	15.8	20.2
7 10	16 10.72	-28 2.3	1.599	2.447	16.3	21.7	7 10	16 12.44	-19 49.1	1.131	1.998	20.4	20.4
32898	1994 <i>PS</i> ₁		6 2.0 290°10	2°9/ 2.9 18			371563	2006 <i>VF</i> ₆₄		6 2.1 319°02	0°9/ 1.8 17		
5 1	17 8.48	-29 23.7	1.345	2.225	16.3	18.8	5 1	17 4.65	-22 8.7	1.374	2.265	15.3	20.6
5 11	17 3.00	-29 19.2	1.254	2.199	12.3	18.4	5 11	16 59.70	-21 37.3	1.301	2.255	11.1	20.3
5 21	16 54.22	-29 1.6	1.184	2.173	7.7	18.1	5 21	16 52.07	-20 59.7	1.249	2.244	6.3	20.0
5 31	16 43.10	-28 28.4	1.137	2.147	3.3	17.8	5 31	16 42.72	-20 17.9	1.221	2.234	1.3	19.7
6 10	16 31.20	-27 40.4	1.114	2.120	5.1	17.8	6 10	16 33.02	-19 35.1	1.218	2.224	4.6	19.9
6 20	16 20.23	-26 42.1	1.116	2.094	10.3	18.0	6 20	16 24.34	-18 55.8	1.239	2.215	9.7	20.1
6 30	16 11.78	-25 40.8	1.139	2.067	15.5	18.2	6 30	16 17.87	-18 24.4	1.282	2.207	14.4	20.4
7 10	16 6.85	-24 44.3	1.181	2.041	20.1	18.4	7 10	16 14.37	-18 3.9	1.343	2.198	18.4	20.6
415081	2012 <i>BX</i> ₉₉		6 2.0 98°76	0°9/ 2.3 17			266709	2009 <i>QZ</i> ₃₂		6 2.1 148°20	14°3/ 25.9 18		
5 1	17 9.35	-24 33.7	1.521	2.398	14.9	21.4	5 1	17 4.40	+17 48.6	2.020	2.780	16.0	20.0
5 11	17 2.69	-24 35.1	1.465	2.411	10.8	21.2	5 11	16 58.58	+19 27.2	1.983	2.786	15.0	19.9
5 21	16 53.52	-24 30.4	1.431	2.423	6.2	21.0	5 21	16 51.03	+20 40.0	1.966	2.790	14.4	19.9
5 31	16 42.92	-24 19.1	1.423	2.436	1.4	20.7	5 31	16 42.51	+21 21.1	1.970	2.795	14.4	19.9
6 10	16 32.24	-24 2.5	1.440	2.447	3.9	20.9	6 10	16 33.92	+21 27.7	1.992	2.799	15.0	20.0
6 20	16 22.77	-23 43.4	1.484	2.459	8.6	21.2	6 20	16 26.14	+21 0.7	2.034	2.803	16.0	20.0
6 30	16 15.56	-23 25.4	1.551	2.471	12.7	21.5	6 30	16 19.90	+20 3.5	2.093	2.807	17.2	20.2
7 10	16 11.21	-23 11.9	1.638	2.482	16.2	21.7	7 10	16 15.70	+18 42.1	2.166	2.810	18.3	20.3
483608	2004 <i>RR</i> ₁₇₄		6 2.0 276°27	5°5/ 30.1 17			501524	2014 <i>EA</i> ₃₁		6 2.1 184°09	5°0/ 31.1 18		
5 1	17 1.53	-6 16.2	2.522	3.379	10.4	21.9	5 1	17 2.77	-7 7.2	2.435	3.293	10.7	21.4
5 11	16 56.41	-5 18.1	2.431	3.354	8.2	21.7	5 11	16 57.20	-6 32.1	2.367	3.293	8.3	21.2
5 21	16 49.82	-4 25.3	2.365	3.330	6.3	21.6	5 21	16 50.21	-6 3.6	2.323	3.293	6.0	21.1
5 31	16 42.29	-3 41.1	2.327	3.304	5.6	21.5	5 31	16 42.37	-5 44.3	2.307	3.292	5.0	21.0
6 10	16 34.52	-3 8.8	2.315	3.279	6.7	21.5	6 10	16 34.42	-5 36.0	2.318	3.291	6.0	21.1
6 20	16 27.17	-2 50.1	2.330	3.253	8.9	21.6	6 20	16 27.06	-5 39.8	2.356	3.290	8.2	21.2
6 30	16 20.93	-2 46.1	2.370	3.227	11.3	21.7	6 30	16 20.90	-5 55.4	2.419	3.289	10.7	21.4
7 10	16 16.28	-2 56.1	2.430	3.201	13.7	21.8	7 10	16 16.42	-6 21.8	2.503	3.287	13.0	21.5
413865	2006 <i>UV</i> ₁₁₃		6 2.0 285°77	0°4/ 2.2 15			72186	2000 <i>YH</i> ₁₁₈		6 2.1 15°54	5°2/ 3.8 18		
5 1	17 0.27	-24 13.1	3.111	3.974	8.5	21.9	5 1	17 6.26	-34 49.6	1.534	2.399	15.5	17.9
5 11	16 55.35	-24 8.5	3.015	3.954	6.2	21.8	5 11	17 0.80	-35 6.6	1.471	2.402	12.0	17.7
5 21	16 49.16	-24 0.6	2.945	3.935	3.5	21.6	5 21	16 52.62	-35 8.2	1.429	2.405	8.3	17.5
5 31	16 42.18	-23 49.4	2.902	3.915	0.8	21.3	5 31	16 42.81	-34 51.6	1.411	2.410	5.5	17.3
6 10	16 34.99	-23 35.7	2.889	3.896	2.3	21.4	6 10	16 32.82	-34 17.6	1.418	2.414	6.0	17.3
6 20	16 28.20	-23 20.7	2.905	3.876	5.1	21.6	6 20	16 24.05	-33 29.9	1.449	2.420	9.2	17.5
6 30	16 22.37	-23 5.9	2.947	3.856	7.8	21.7	6 30	16 17.63	-32 35.0	1.503	2.426	12.8	17.8
7 10	16 17.96	-22 53.0	3.014	3.836	10.1	21.9	7 10	16 14.24	-31 39.6	1.577	2.432	16.1	18.0
167236	2003 <i>UO</i> ₆₄		6 2.0 176°42	4°0/ 31.5 18			493632	2015 <i>PW</i> ₇₅		6 2.1 249°51	3°9/ 3.8 18		
5 1	17 3.88	-9 57.8	2.511	3.371	10.4	21.2	5 1	17 5.37	-35 48.3	2.608	3.444	10.8	21.8
5 11	16 57.95	-9 26.1	2.442	3.373	7.8	21.0	5 11	16 59.33	-35 55.6	2.519	3.433	8.4	21.7
5 21	16 50.59	-8 59.1	2.398	3.375	5.3	20.9	5 21	16 51.53	-35 52.0	2.455	3.422	5.9	21.5
5 31	16 42.41	-8 38.8	2.382	3.376	4.0	20.8	5 31	16 42.62	-35 36.0	2.418	3.411	4.1	21.4
6 10	16 34.13	-8 27.0	2.394	3.377	5.1	20.9	6 10	16 33.51	-35 7.7	2.408	3.399	4.4	21.4
6 20	16 26.44	-8 24.8	2.434	3.377	7.6	21.0	6 20	16 25.04	-34 29.1	2.426	3.387	6.6	21.5
6 30	16 19.97	-8 32.6	2.500	3.377	10.1	21.2	6 30	16 18.02	-33 43.8	2.471	3.376	9.2	21.6
7 10	16 15.16	-8 49.8	2.587	3.376	12.5	21.3	7 10	16 13.00	-32 55.9	2.538	3.364	11.7	21.8
425828	2011 <i>EA</i> ₁₆		6 2.0 95°23	2°8/ 2.9 17			253063	2002 <i>TY</i> ₇₃		6 2.1 259°37	0°7/ 2.3 18		
5 1	17 9.99	-30 2.6	1.843	2.702	13.5	21.6	5 1	17 7.34	-25 20.5	1.684	2.559	13.8	20.5
5 11	17 2.80	-30 12.8	1.791	2.724	10.0	21.4	5 11	17 1.35	-25 1.2	1.601	2.546	10.1	20.2
5 21	16 53.44	-30 13.0	1.762	2.745	6.2	21.2	5 21	16 52.91	-24 34.0	1.541	2.533	5.8	19.9
5 31	16 42.89	-30 1.9	1.760	2.766	3.1	21.0	5 31	16 42.88	-23 59.0	1.507	2.520	1.3	19.6
6 10	16 32.38	-29 40.4	1.784	2.787	4.1	21.2	6 10	16 32.50	-23 18.2	1.499	2.506	3.8	19.7
6 20	16 23.02	-29 11.5	1.836	2.807	7.6	21.4	6 20	16 23.01	-22 35.4	1.518	2.492	8.5	20.0
6 30	16 15.71	-28 39.5	1.913	2.827	11.0	21.7	6 30	16 15.49	-21 55.2	1.560	2.478	12.7	20.2
7 10	16 10.98	-28 8.7	2.012	2.846	13.9	21.9	7 10	16 10.67	-21 21.5	1.623	2.464	16.4	20.4
114878	2003 <i>QS</i> ₁₂		6 2.0 250°93	12°0/ 6.5 18			300133	2006 <i>VF</i> ₅₁		6 2.1 196°64			

EPHEMERIDES

6 2.1

6 2.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
391716	2008 <i>CM</i> ₅₀		6 2.1 74°83	0°2/ 2.0	17		223216	2003 <i>BM</i> ₈₁		6 2.1 96°02	1°5/ 2.6	17	
5 1	17 4.42	-21 38.4	2.149	3.021	11.4	20.9	5 1	17 8.55	-27 15.2	1.719	2.589	13.8	20.5
5 11	16 58.58	-21 40.9	2.090	3.034	8.2	20.7	5 11	17 1.90	-27 5.4	1.663	2.604	10.1	20.3
5 21	16 51.05	-21 41.2	2.056	3.048	4.6	20.5	5 21	16 53.03	-26 47.0	1.630	2.619	5.9	20.1
5 31	16 42.55	-21 39.2	2.048	3.062	0.8	20.2	5 31	16 42.92	-26 19.9	1.623	2.634	1.9	19.9
6 10	16 33.98	-21 35.9	2.069	3.075	3.0	20.4	6 10	16 32.82	-25 46.1	1.642	2.649	3.7	20.0
6 20	16 26.20	-21 32.6	2.117	3.089	6.6	20.7	6 20	16 23.85	-25 8.9	1.689	2.663	7.8	20.3
6 30	16 19.93	-21 30.8	2.190	3.102	9.9	20.9	6 30	16 16.94	-24 32.8	1.759	2.677	11.6	20.6
7 10	16 15.67	-21 32.2	2.286	3.116	12.6	21.1	7 10	16 12.63	-24 1.3	1.851	2.691	14.8	20.8
376892	2001 <i>XG</i> ₁₀₇		6 2.1 179°98	3°0/ 3.4	17		361548	2007 <i>PS</i> ₄₂		6 2.1 312°13	7°0/ 31.3	17	
5 1	17 9.07	-32 39.1	2.113	2.962	12.5	21.3	5 1	17 3.61	-10 54.3	1.134	2.033	17.3	20.5
5 11	17 2.12	-32 23.4	2.037	2.963	9.4	21.1	5 11	16 59.63	-10 3.8	1.047	2.000	13.3	20.2
5 21	16 53.11	-31 55.4	1.985	2.964	6.1	20.9	5 21	16 52.47	-9 18.4	0.980	1.967	9.3	19.8
5 31	16 42.91	-31 14.5	1.960	2.965	3.3	20.7	5 31	16 42.93	-8 44.5	0.933	1.934	7.0	19.6
6 10	16 32.62	-30 22.3	1.963	2.964	4.0	20.8	6 10	16 32.43	-8 28.1	0.909	1.902	9.3	19.6
6 20	16 23.28	-29 22.5	1.994	2.963	7.2	21.0	6 20	16 22.61	-8 33.5	0.906	1.870	14.1	19.7
6 30	16 15.76	-28 20.2	2.051	2.962	10.5	21.2	6 30	16 15.09	-9 2.1	0.921	1.840	19.3	19.9
7 10	16 10.63	-27 20.4	2.130	2.960	13.4	21.4	7 10	16 11.00	-9 52.2	0.952	1.810	24.0	20.1
299431	2006 <i>AQ</i> ₂₀		6 2.1 127°74	3°8/ 3.1	18		439606	2014 <i>EE</i> ₂₄		6 2.1 183°76	4°7/ 31.9	18	
5 1	17 13.44	-31 17.8	1.592	2.452	15.3	21.7	5 1	17 3.97	-7 36.4	2.261	3.120	11.4	20.4
5 11	17 5.74	-31 38.2	1.534	2.466	11.5	21.5	5 11	16 58.20	-7 25.6	2.192	3.121	8.7	20.3
5 21	16 55.31	-31 46.4	1.499	2.480	7.4	21.3	5 21	16 50.86	-7 22.5	2.147	3.120	6.1	20.1
5 31	16 43.30	-31 39.7	1.488	2.493	4.1	21.1	5 31	16 42.56	-7 28.9	2.129	3.120	4.7	20.0
6 10	16 31.20	-31 18.5	1.504	2.505	5.0	21.2	6 10	16 34.11	-7 45.9	2.138	3.120	5.8	20.1
6 20	16 20.43	-30 46.2	1.547	2.517	8.8	21.4	6 20	16 26.28	-8 13.5	2.175	3.119	8.3	20.2
6 30	16 12.13	-30 8.6	1.613	2.528	12.6	21.7	6 30	16 19.76	-8 51.0	2.236	3.119	11.0	20.4
7 10	16 6.92	-29 31.3	1.700	2.538	15.9	21.9	7 10	16 15.07	-9 37.0	2.320	3.118	13.4	20.6
421036	2013 <i>PF</i> ₆₈		6 2.1 322°50	2°1/ 1.2	15		470795	2008 <i>UU</i> ₃₅₀		6 2.1 303°31	2°3/ 2.6	16	
5 1	16 59.29	-16 22.8	2.526	3.401	9.8	21.2	5 1	17 6.04	-27 11.3	1.679	2.554	13.9	21.4
5 11	16 54.85	-16 0.4	2.438	3.383	7.1	21.0	5 11	17 0.59	-27 32.1	1.595	2.538	10.3	21.1
5 21	16 48.98	-15 38.5	2.375	3.365	4.3	20.8	5 21	16 52.60	-27 46.4	1.534	2.523	6.3	20.8
5 31	16 42.22	-15 18.5	2.339	3.348	2.1	20.6	5 31	16 42.91	-27 52.1	1.497	2.508	2.6	20.6
6 10	16 35.25	-15 2.2	2.331	3.330	3.6	20.7	6 10	16 32.72	-27 48.9	1.487	2.493	4.2	20.6
6 20	16 28.74	-14 50.9	2.350	3.314	6.6	20.9	6 20	16 23.32	-27 38.4	1.502	2.478	8.5	20.8
6 30	16 23.34	-14 45.9	2.394	3.297	9.5	21.0	6 30	16 15.88	-27 24.0	1.541	2.463	12.6	21.0
7 10	16 19.55	-14 48.0	2.461	3.281	12.1	21.2	7 10	16 11.20	-27 9.8	1.600	2.449	16.3	21.2
289043	2004 <i>TQ</i> ₁₅₉		6 2.1 306°08	0°6/ 2.2	17		395900	2013 <i>AU</i> ₆₃		6 2.1 141°47	5°8/ 31.2	18	
5 1	17 5.88	-24 19.7	1.209	2.103	16.7	20.7	5 1	17 2.80	-3 33.6	2.464	3.313	10.9	21.2
5 11	17 1.20	-24 12.2	1.127	2.082	12.4	20.4	5 11	16 57.20	-3 8.8	2.403	3.319	8.7	21.1
5 21	16 53.27	-23 57.2	1.065	2.060	7.2	20.0	5 21	16 50.22	-2 53.4	2.366	3.324	6.7	21.0
5 31	16 43.04	-23 34.0	1.026	2.039	1.5	19.6	5 31	16 42.45	-2 49.8	2.355	3.329	5.8	20.9
6 10	16 32.07	-23 4.4	1.010	2.018	4.8	19.8	6 10	16 34.60	-2 59.1	2.372	3.334	6.6	21.0
6 20	16 22.08	-22 32.3	1.017	1.998	10.7	20.0	6 20	16 27.34	-3 21.6	2.415	3.339	8.5	21.1
6 30	16 14.62	-22 3.1	1.044	1.978	16.1	20.2	6 30	16 21.28	-3 56.4	2.483	3.344	10.8	21.3
7 10	16 10.70	-21 41.6	1.089	1.959	20.8	20.5	7 10	16 16.86	-4 41.5	2.572	3.348	12.8	21.4
127550	2002 <i>YB</i> ₂		6 2.1 66°77	18°7/ 6.4	18		1977	<i>Shura</i>		6 2.1 333°62	4°8/ 3.6	18	
5 1	17 25.18	-54 14.2	1.073	1.875	24.8	19.1	5 1	17 6.70	-34 30.9	1.755	2.613	14.2	15.7
5 11	17 17.89	-56 40.9	1.032	1.884	22.4	18.9	5 11	17 0.98	-34 51.6	1.682	2.608	11.0	15.5
5 21	17 3.88	-58 31.1	1.006	1.893	20.3	18.8	5 21	16 52.74	-34 59.1	1.630	2.604	7.6	15.3
5 31	16 44.95	-59 28.0	0.996	1.903	19.0	18.8	5 31	16 42.92	-34 50.5	1.602	2.600	5.1	15.1
6 10	16 24.97	-59 23.3	1.004	1.912	18.8	18.8	6 10	16 32.80	-34 25.8	1.601	2.596	5.6	15.1
6 20	16 8.18	-58 22.2	1.028	1.922	19.8	18.9	6 20	16 23.68	-33 47.8	1.625	2.593	8.6	15.3
6 30	15 57.49	-56 40.8	1.068	1.932	21.5	19.0	6 30	16 16.65	-33 1.6	1.672	2.590	12.1	15.5
7 10	15 53.72	-54 38.5	1.123	1.942	23.6	19.2	7 10	16 12.42	-32 13.4	1.741	2.587	15.3	15.7
436943	2012 <i>TX</i> ₁₃₅		6 2.1 199°34	1°0/ 1.8	17		63821	2001 <i>RF</i> ₆₅		6 2.1 183°11	2°3/ 1.0	18	
5 1	17 5.26	-19 24.0	2.171	3.042	11.3	22.1	5 1	17 3.20	-16 59.0	2.377	3.247	10.5	18.9
5 11	16 59.28	-19 19.9	2.096	3.040	8.2	21.9	5 11	16 57.60	-16 18.7	2.304	3.247	7.6	18.7
5 21	16 51.52	-19 14.8	2.046	3.038	4.6	21.7	5 21	16 50.49	-15 37.9	2.257	3.247	4.5	18.5
5 31	16 42.67	-19 9.3	2.022	3.035	1.2	21.4	5 31	16 42.50	-14 58.7	2.238	3.246	2.3	18.4
6 10	16 33.63	-19 4.5	2.027	3.032	3.4	21.6	6 10	16 34.42	-14 23.4	2.248	3.246	3.9	18.5
6 20	16 25.26	-19 1.6	2.060	3.029	7.0	21.8	6 20	16 26.98	-13 54.3	2.285	3.245	7.0	18.7
6 30	16 18.36	-19 2.1	2.118	3.025	10.4	22.0	6 30	16 20.84	-13 33.1	2.347	3.244	10.0	18.9
7 10	16 13.47	-19 7.3	2.198	3.022	13.3	22.2	7 10	16 16.47	-13 20.7	2.432	3.243	12.6	19.0
332294	2006 <i>UG</i> ₁₅		6 2.1 286°30	2°1/ 31.9	16		89315	2001 <i>VJ</i> ₄₀		6 2.1 294°35	0°0/ 1.9	18	
5 1	16 59.21	-15 12.3	3.186	4.052	8.2	21.5	5 1	17 5.67	-23 9.7	1.589	2.471	14.1	18.8
5 11	16 54.55	-14 42.3	3.089	4.029	6.0	21.3	5 11	17 0.34	-22 59.3	1.504	2.453	10.3	18.5
5 21	16 48.73	-14 12.7	3.018	4.005	3.7	21.2	5 21	16 52.46	-22 43.6	1.442	2.435	5.9	18.2
5 31	16 42.19	-13 45.0	2.976	3.982	2.2	21.0	5 31	16 42.89	-22 22.8	1.404	2.417	1.0	17.8
6 10	16 35.47	-13 20.8	2.962	3.958	3.4	21.1	6 10	16 32.85	-21 58.5	1.392	2.399	4.0	18.0
6 20	16 29.11	-13 1.5	2.977	3.934	5.8	21.2	6 20	16 23.61	-21 33.6	1.406	2.382	8.9	18.2
6 30	16 23.61	-12 48.3	3.019	3.909	8.2	21.3	6 30	16 16.35	-21 11.8	1.442	2.364	13.3	18.4
7 10	16 19.39	-12 41.9	3.083	3.885	10.4	21.5	7 10	16 11.85	-20 56.3	1.499	2.347	17.2	18.6
382906	2004 <i>RM</i> ₁₂₀		6 2.1 267°36	1°9/ 2.6	18		65381	2002 <i>PP</i> ₁₂₁		6 2.1 225°30	1°5/		

EPHEMERIDES

6 2.1

6 2.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
411770	2012 <i>BE</i> ₁₃₄		6 2.1 203°97	0°9/ 1.8 17			102980	1999 <i>XA</i> ₇₈		6 2.1 259°72	0°0/ 1.9 18		
5 1	17 9.08	-21 30.0	1.802	2.673	13.2	21.8	5 1	17 7.90	-23 21.1	1.711	2.586	13.6	20.3
5 11	17 2.35	-21 2.2	1.725	2.669	9.6	21.5	5 11	17 1.81	-23 3.5	1.623	2.568	10.0	20.0
5 21	16 53.38	-20 29.9	1.672	2.664	5.4	21.3	5 21	16 53.25	-22 39.9	1.558	2.550	5.7	19.8
5 31	16 43.03	-19 54.3	1.645	2.658	1.2	21.0	5 31	16 43.06	-22 10.7	1.518	2.532	1.0	19.4
6 10	16 32.44	-19 17.9	1.647	2.652	3.9	21.2	6 10	16 32.42	-21 37.7	1.506	2.513	3.9	19.5
6 20	16 22.74	-18 43.8	1.675	2.645	8.3	21.4	6 20	16 22.57	-21 4.2	1.520	2.494	8.6	19.8
6 30	16 14.92	-18 15.5	1.728	2.637	12.3	21.6	6 30	16 14.62	-20 34.0	1.558	2.474	12.9	20.0
7 10	16 9.60	-17 55.6	1.802	2.628	15.6	21.8	7 10	16 9.35	-20 10.7	1.617	2.454	16.7	20.2
90876	1996 <i>VW</i> ₄		6 2.1 135°63	0°3/ 2.2 18			126756	2002 <i>DS</i> ₇		6 2.1 147°46	7°4/ 4.7 18		
5 1	17 7.80	-23 22.5	2.469	3.328	10.6	20.4	5 1	17 15.07	-44 32.8	2.348	3.142	13.1	20.6
5 11	17 0.81	-23 21.0	2.407	3.345	7.6	20.3	5 11	17 6.74	-45 24.9	2.282	3.153	11.0	20.5
5 21	16 52.25	-23 15.9	2.371	3.361	4.3	20.1	5 21	16 55.89	-46 0.2	2.239	3.163	8.9	20.4
5 31	16 42.81	-23 7.0	2.363	3.376	0.8	19.8	5 31	16 43.50	-46 14.2	2.222	3.173	7.6	20.3
6 10	16 33.34	-22 55.2	2.385	3.391	2.8	20.0	6 10	16 30.86	-46 5.5	2.231	3.182	7.6	20.3
6 20	16 24.63	-22 42.2	2.436	3.405	6.1	20.3	6 20	16 19.29	-45 36.3	2.266	3.190	9.0	20.4
6 30	16 17.36	-22 29.9	2.513	3.418	9.1	20.5	6 30	16 9.86	-44 51.5	2.326	3.198	11.0	20.5
7 10	16 11.99	-22 20.2	2.614	3.430	11.6	20.7	7 10	16 3.25	-43 57.8	2.408	3.205	13.0	20.7
393856	2005 <i>SO</i> ₁₉₉		6 2.1 330°42	6°1/30.6 16			505426	2013 <i>RF</i> ₄₆		6 2.1 264°38	1°8/ 2.6 18		
5 1	17 1.39	- 6 53.8	2.028	2.896	12.1	20.9	5 1	17 8.38	-27 22.6	1.791	2.659	13.5	21.9
5 11	16 56.50	- 5 59.3	1.962	2.892	9.5	20.7	5 11	17 2.18	-27 21.8	1.699	2.639	10.0	21.6
5 21	16 49.96	- 5 12.1	1.918	2.888	7.1	20.5	5 21	16 53.49	-27 12.7	1.630	2.619	6.0	21.3
5 31	16 42.43	- 4 36.2	1.901	2.884	6.1	20.5	5 31	16 43.11	-26 54.1	1.587	2.598	2.2	21.0
6 10	16 34.75	- 4 14.6	1.909	2.880	7.2	20.5	6 10	16 32.23	-26 26.7	1.571	2.577	3.9	21.1
6 20	16 27.73	- 4 8.8	1.943	2.877	9.7	20.7	6 20	16 22.12	-25 53.1	1.581	2.555	8.3	21.3
6 30	16 22.10	- 4 18.8	2.000	2.874	12.4	20.8	6 30	16 13.90	-25 17.7	1.616	2.533	12.5	21.5
7 10	16 18.38	- 4 43.2	2.077	2.871	14.9	21.0	7 10	16 8.37	-24 45.1	1.672	2.511	16.1	21.7
69397	1995 <i>FO</i> ₁₇		6 2.1 332°78	3°9/ 1.3 18			508956	2004 <i>TD</i> ₁₂₅		6 2.1 241°08	0°9/ 2.3 18		
5 1	17 3.16	-15 16.7	1.133	2.036	16.9	19.1	5 1	17 7.41	-24 11.8	2.010	2.878	12.2	21.3
5 11	16 59.06	-14 57.2	1.064	2.022	12.5	18.8	5 11	17 1.16	-24 25.2	1.926	2.867	8.9	21.1
5 21	16 51.95	-14 41.5	1.015	2.009	7.7	18.5	5 21	16 52.76	-24 34.7	1.865	2.856	5.2	20.9
5 31	16 42.82	-14 32.5	0.988	1.997	3.9	18.2	5 31	16 42.97	-24 39.3	1.831	2.844	1.3	20.6
6 10	16 33.17	-14 33.0	0.983	1.986	6.5	18.3	6 10	16 32.82	-24 39.0	1.826	2.832	3.4	20.7
6 20	16 24.56	-14 45.0	1.001	1.976	11.6	18.6	6 20	16 23.35	-24 35.2	1.847	2.820	7.4	20.9
6 30	16 18.38	-15 9.4	1.038	1.967	16.6	18.8	6 30	16 15.53	-24 30.2	1.894	2.807	11.1	21.1
7 10	16 15.50	-15 45.4	1.092	1.960	20.9	19.1	7 10	16 10.04	-24 26.6	1.962	2.794	14.3	21.3
509261	2006 <i>UZ</i> ₁₄₀		6 2.1 194°42	1°1/ 2.6 18			363479	2003 <i>SS</i> ₃₀₈		6 2.1 310°10	9°2/27.4 17		
5 1	17 4.40	-26 33.4	2.875	3.730	9.3	23.2	5 1	17 4.51	-11 21.8	1.240	2.134	16.5	20.4
5 11	16 58.37	-26 33.0	2.793	3.727	6.8	23.0	5 11	16 59.80	- 8 28.8	1.162	2.109	12.9	20.1
5 21	16 50.92	-26 27.6	2.737	3.724	4.0	22.8	5 21	16 52.29	- 5 28.7	1.107	2.085	9.9	19.9
5 31	16 42.61	-26 16.9	2.710	3.721	1.4	22.6	5 31	16 42.93	- 2 35.0	1.077	2.061	9.5	19.8
6 10	16 34.15	-26 1.6	2.712	3.717	2.6	22.7	6 10	16 33.08	- 0 2.0	1.071	2.037	12.2	19.8
6 20	16 26.23	-25 43.1	2.743	3.712	5.4	22.9	6 20	16 24.17	+ 1 58.5	1.088	2.014	16.2	20.0
6 30	16 19.49	-25 23.5	2.801	3.708	8.2	23.1	6 30	16 17.47	+ 3 20.5	1.124	1.992	20.4	20.2
7 10	16 14.38	-25 5.0	2.882	3.702	10.6	23.2	7 10	16 13.81	+ 4 4.8	1.175	1.970	24.0	20.3
333495	2005 <i>AF</i> ₁₇		6 2.1 258°20	4°9/31.7 18			250855	2005 <i>UL</i> ₂₆₃		6 2.1 352°90	4°2/31.1 16		
5 1	17 5.82	- 8 11.9	2.183	3.042	11.7	20.8	5 1	17 1.61	-11 46.3	2.230	3.101	11.0	20.4
5 11	16 59.78	- 7 52.6	2.091	3.020	9.0	20.6	5 11	16 56.53	-10 49.1	2.162	3.101	8.3	20.2
5 21	16 51.90	- 7 40.2	2.024	2.998	6.4	20.4	5 21	16 49.94	- 9 54.8	2.120	3.101	5.6	20.0
5 31	16 42.80	- 7 37.0	1.983	2.976	4.9	20.3	5 31	16 42.47	- 9 6.7	2.104	3.100	4.2	20.0
6 10	16 33.33	- 7 45.0	1.970	2.952	6.1	20.3	6 10	16 34.90	- 8 28.0	2.116	3.100	5.6	20.0
6 20	16 24.36	- 8 4.7	1.984	2.928	8.9	20.4	6 20	16 27.98	- 8 0.9	2.154	3.100	8.2	20.2
6 30	16 16.71	- 8 36.2	2.023	2.904	12.0	20.6	6 30	16 22.36	- 7 46.4	2.217	3.100	11.0	20.4
7 10	16 11.02	- 9 18.2	2.084	2.879	14.8	20.7	7 10	16 18.52	- 7 44.4	2.300	3.100	13.5	20.5
162107	1998 <i>RQ</i> ₂₆		6 2.1 285°44	5°3/ 3.3 18			283714	2002 <i>TL</i> ₁₄₃		6 2.1 315°66	0°5/ 2.2 18		
5 1	17 8.67	-35 24.3	1.934	2.781	13.5	20.2	5 1	17 5.40	-21 52.8	1.568	2.452	14.2	20.2
5 11	17 2.54	-36 1.2	1.838	2.757	10.7	20.0	5 11	17 0.44	-22 22.8	1.471	2.421	10.4	19.9
5 21	16 53.77	-36 26.5	1.764	2.733	7.7	19.8	5 21	16 52.74	-22 52.9	1.396	2.390	6.1	19.6
5 31	16 43.16	-36 36.3	1.716	2.708	5.5	19.6	5 31	16 43.04	-23 21.5	1.346	2.359	1.2	19.2
6 10	16 31.92	-36 28.7	1.694	2.684	6.1	19.6	6 10	16 32.52	-23 47.6	1.322	2.329	4.1	19.3
6 20	16 21.38	-36 5.0	1.698	2.659	8.9	19.7	6 20	16 22.54	-24 11.1	1.322	2.300	9.2	19.5
6 30	16 12.76	-35 29.5	1.726	2.635	12.3	19.8	6 30	16 14.45	-24 33.2	1.346	2.271	13.9	19.7
7 10	16 6.95	-34 48.1	1.775	2.610	15.5	20.0	7 10	16 9.24	-24 56.2	1.389	2.242	18.0	19.9
381468	2008 <i>RQ</i> ₁₂₀		6 2.1 169°35	0°7/ 2.3 17			198675	2005 <i>CY</i> ₂		6 2.1 177°32	1°7/ 1.5 18		
5 1	17 6.72	-24 48.8	2.324	3.186	11.0	21.9	5 1	17 5.33	-17 33.5	2.369	3.235	10.7	21.4
5 11	17 0.25	-24 46.0	2.252	3.190	8.0	21.7	5 11	16 59.18	-17 19.5	2.296	3.237	7.7	21.2
5 21	16 52.04	-24 38.3	2.204	3.193	4.6	21.5	5 21	16 51.44	-17 5.6	2.249	3.239	4.5	21.0
5 31	16 42.81	-24 25.5	2.184	3.196	1.1	21.3	5 31	16 42.75	-16 52.7	2.229	3.239	1.7	20.8
6 10	16 33.44	-24 8.7	2.192	3.199	2.9	21.4	6 10	16 33.92	-16 42.1	2.238	3.240	3.5	20.9
6 20	16 24.80	-23 49.7	2.229	3.200	6.4	21.7	6 20	16 25.74	-16 35.2	2.275	3.240	6.8	21.1
6 30	16 17.63	-23 30.9	2.292	3.202	9.6	21.9	6 30	16 18.90	-16 33.2	2.338	3.239	9.8	21.3
7 10	16 12.48	-23 14.8	2.379	3.202	12.4	22.0	7 10	16 13.91	-16 37.1	2.424	3.238	12.5	21.5
183504	2003 <i>FP</i> ₁₅		6 2.1 119°67	3°3/ 3.1 17			203682	2002 <i>NN</i> ₁₃		6			

EPHEMERIDES

6 2.1

6 2.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
264895	2002 <i>TH</i> ₄₂	6	2.1 252°51	0°8/ 1.9 17			271858	2004 <i>TO</i> ₂₇₃	6	2.1 313°28	3°7/31.5 17		
5 1	17 7.93	-20 54.2	1.879	2.751	12.8	21.4	5 1	17 3.42	-17 3.7	1.559	2.446	14.0	19.6
5 11	17 1.66	-20 41.1	1.788	2.732	9.3	21.2	5 11	16 58.55	-15 51.3	1.482	2.432	10.3	19.3
5 21	16 53.13	-20 24.9	1.721	2.713	5.3	20.9	5 21	16 51.39	-14 35.6	1.428	2.419	6.3	19.1
5 31	16 43.09	-20 6.2	1.680	2.693	1.2	20.5	5 31	16 42.80	-13 21.3	1.399	2.405	3.7	18.9
6 10	16 32.61	-19 46.5	1.667	2.672	3.8	20.7	6 10	16 33.92	-12 13.9	1.395	2.392	6.0	19.0
6 20	16 22.80	-19 27.9	1.681	2.651	8.2	20.9	6 20	16 25.90	-11 18.5	1.417	2.380	10.2	19.2
6 30	16 14.70	-19 13.4	1.719	2.630	12.2	21.1	6 30	16 19.75	-10 39.0	1.461	2.368	14.2	19.4
7 10	16 9.02	-19 5.2	1.779	2.607	15.7	21.3	7 10	16 16.14	-10 16.5	1.525	2.356	17.8	19.6
34349	2000 <i>RQ</i> ₇	6	2.1 241°12	0°2/ 2.2 18			95676	2002 <i>GR</i> ₁₇₄	6	2.1 150°94	5°1/31.1 18		
5 1	17 4.16	-22 38.1	2.450	3.316	10.4	18.6	5 1	17 1.61	-6 29.1	2.470	3.328	10.6	19.4
5 11	16 58.45	-22 43.6	2.367	3.308	7.5	18.4	5 11	16 56.42	-5 53.3	2.406	3.331	8.2	19.3
5 21	16 51.10	-22 46.6	2.308	3.299	4.3	18.2	5 21	16 49.86	-5 24.5	2.366	3.333	6.1	19.2
5 31	16 42.71	-22 46.8	2.277	3.291	0.8	17.9	5 31	16 42.50	-5 5.4	2.352	3.335	5.1	19.1
6 10	16 34.09	-22 44.6	2.275	3.282	2.8	18.1	6 10	16 35.06	-4 57.6	2.366	3.337	6.1	19.2
6 20	16 26.02	-22 41.3	2.301	3.272	6.2	18.3	6 20	16 28.18	-5 2.1	2.406	3.339	8.2	19.3
6 30	16 19.25	-22 38.4	2.353	3.263	9.4	18.4	6 30	16 22.47	-5 18.6	2.471	3.340	10.5	19.5
7 10	16 14.31	-22 37.6	2.428	3.254	12.1	18.6	7 10	16 18.37	-5 46.0	2.558	3.342	12.7	19.6
4039	Souseki	6	2.1 213°80	1°3/ 2.6 18			417787	2007 <i>EK</i> ₇₇	6	2.1 68°15	3°2/ 1.3 17		
5 1	17 8.15	-26 52.4	1.681	2.553	14.0	16.8	5 1	17 6.69	-15 27.3	1.565	2.447	14.3	20.8
5 11	17 1.90	-26 37.9	1.608	2.551	10.3	16.5	5 11	17 0.56	-15 1.9	1.519	2.466	10.4	20.6
5 21	16 53.24	-26 14.5	1.557	2.547	6.0	16.3	5 21	16 52.31	-14 39.2	1.496	2.486	6.2	20.4
5 31	16 43.09	-25 42.1	1.532	2.544	1.8	16.0	5 31	16 42.93	-14 21.3	1.497	2.506	3.2	20.3
6 10	16 32.72	-25 2.5	1.534	2.541	3.8	16.1	6 10	16 33.58	-14 10.4	1.525	2.525	5.2	20.5
6 20	16 23.34	-24 19.4	1.562	2.537	8.2	16.4	6 20	16 25.35	-14 8.0	1.579	2.545	9.0	20.7
6 30	16 16.02	-23 37.6	1.614	2.533	12.3	16.6	6 30	16 19.10	-14 15.0	1.655	2.564	12.7	21.0
7 10	16 11.40	-23 1.3	1.686	2.528	15.9	16.8	7 10	16 15.35	-14 31.1	1.752	2.584	15.8	21.2
36223	1999 <i>TJ</i> ₂₆₇	6	2.1 20°51	6°9/ 4.9 18			418249	2008 <i>DO</i> ₇₂	6	2.1 123°76	0°7/ 2.3 17		
5 1	17 7.79	-39 40.2	1.492	2.343	16.6	17.8	5 1	17 9.46	-24 48.8	1.741	2.612	13.7	22.6
5 11	17 2.08	-39 48.2	1.431	2.347	13.3	17.6	5 11	17 2.61	-24 43.9	1.681	2.624	9.9	22.4
5 21	16 53.45	-39 34.9	1.390	2.353	9.9	17.4	5 21	16 53.52	-24 32.8	1.645	2.636	5.7	22.1
5 31	16 43.12	-38 57.4	1.371	2.359	7.3	17.3	5 31	16 43.16	-24 15.5	1.635	2.648	1.3	21.9
6 10	16 32.71	-37 56.8	1.377	2.366	7.3	17.3	6 10	16 32.72	-23 53.3	1.652	2.659	3.6	22.1
6 20	16 23.73	-36 38.7	1.407	2.373	9.9	17.5	6 20	16 23.36	-23 29.0	1.696	2.669	7.8	22.3
6 30	16 17.37	-35 11.7	1.460	2.381	13.2	17.7	6 30	16 16.01	-23 6.2	1.764	2.679	11.7	22.6
7 10	16 14.23	-33 44.5	1.533	2.390	16.5	17.9	7 10	16 11.25	-22 47.8	1.854	2.689	14.9	22.8
480442	2015 <i>KE</i> ₁₃₈	6	2.1 331°47	4°3/ 2.3 16			193471	2000 <i>XR</i> ₂₀	6	2.1 227°14	4°8/ 3.9 18		
5 1	17 9.39	-29 1.7	1.720	2.586	14.0	20.7	5 1	17 8.85	-36 10.3	1.918	2.763	13.7	20.2
5 11	17 3.18	-30 23.5	1.642	2.577	10.6	20.5	5 11	17 2.38	-36 15.4	1.841	2.759	10.7	20.0
5 21	16 54.22	-31 40.8	1.588	2.569	7.0	20.3	5 21	16 53.51	-36 5.6	1.786	2.755	7.5	19.8
5 31	16 43.32	-32 48.5	1.559	2.561	4.4	20.1	5 31	16 43.17	-35 38.7	1.756	2.751	5.1	19.6
6 10	16 31.76	-33 42.5	1.557	2.554	5.6	20.1	6 10	16 32.62	-34 55.2	1.754	2.747	5.4	19.7
6 20	16 20.92	-34 21.6	1.581	2.547	9.1	20.3	6 20	16 23.08	-33 58.7	1.777	2.743	8.2	19.8
6 30	16 12.11	-34 47.7	1.629	2.540	12.7	20.5	6 30	16 15.59	-32 55.0	1.825	2.738	11.5	20.0
7 10	16 6.24	-35 5.1	1.698	2.534	16.0	20.7	7 10	16 10.79	-31 50.4	1.896	2.734	14.5	20.2
187671	2008 <i>CJ</i> ₃₇	6	2.1 33°52	0°6/ 1.9 17			459576	2013 <i>GB</i> ₁₁₀	6	2.1 17°87	3°8/ 1.6 17		
5 1	17 5.87	-21 46.1	1.279	2.172	16.1	20.3	5 1	17 3.31	-15 23.1	0.940	1.852	18.7	20.4
5 11	17 0.56	-21 32.4	1.226	2.180	11.6	20.0	5 11	16 59.26	-15 12.1	0.895	1.858	13.7	20.1
5 21	16 52.56	-21 14.7	1.194	2.189	6.5	19.8	5 21	16 52.05	-15 6.6	0.869	1.865	8.2	19.8
5 31	16 42.98	-20 54.1	1.185	2.198	1.2	19.5	5 31	16 42.93	-15 9.1	0.864	1.874	3.9	19.6
6 10	16 33.29	-20 33.0	1.201	2.208	4.4	19.7	6 10	16 33.66	-15 21.3	0.880	1.884	6.5	19.8
6 20	16 24.88	-20 14.5	1.241	2.219	9.5	20.0	6 20	16 25.87	-15 44.0	0.916	1.896	11.7	20.1
6 30	16 18.86	-20 1.8	1.302	2.230	14.0	20.3	6 30	16 20.86	-16 16.9	0.972	1.909	16.7	20.4
7 10	16 15.84	-19 57.0	1.383	2.241	17.8	20.6	7 10	16 19.31	-16 58.7	1.045	1.923	20.8	20.7
342539	2008 <i>UR</i> ₂₂₂	6	2.1 320°31	7°8/ 2.2 16			373230	2012 <i>FY</i> ₆₈	6	2.1 56°67	4°4/ 1.2 17		
5 1	17 8.38	-34 25.8	1.382	2.251	16.6	20.0	5 1	17 6.55	-12 35.8	1.431	2.316	15.2	20.5
5 11	17 3.50	-36 0.7	1.290	2.220	13.4	19.7	5 11	17 0.77	-12 17.2	1.376	2.323	11.3	20.3
5 21	16 54.97	-37 28.7	1.218	2.189	10.0	19.4	5 21	16 52.60	-12 4.8	1.342	2.330	7.2	20.1
5 31	16 43.54	-38 41.3	1.169	2.159	7.9	19.2	5 31	16 43.02	-12 1.0	1.333	2.338	4.4	20.0
6 10	16 30.72	-39 31.5	1.143	2.130	8.9	19.1	6 10	16 33.30	-12 7.5	1.348	2.345	6.2	20.1
6 20	16 18.48	-39 56.8	1.141	2.101	12.3	19.2	6 20	16 24.65	-12 25.2	1.389	2.353	10.2	20.3
6 30	16 8.78	-40 0.2	1.159	2.074	16.5	19.4	6 30	16 18.10	-12 53.6	1.451	2.361	14.1	20.6
7 10	16 3.03	-39 49.2	1.195	2.047	20.4	19.6	7 10	16 14.26	-13 31.7	1.533	2.369	17.4	20.8
177177	2003 <i>SG</i> ₂₀₄	6	2.1 199°10	2°6/ 2.8 17			174835	2003 <i>YQ</i> ₁₀₃	6	2.1 216°11	1°6/ 1.5 17		
5 1	17 11.34	-28 56.0	2.085	2.938	12.4	20.7	5 1	17 4.57	-19 5.1	2.153	3.025	11.4	20.8
5 11	17 3.98	-29 19.9	2.004	2.935	9.3	20.5	5 11	16 58.83	-18 36.4	2.077	3.021	8.2	20.6
5 21	16 54.37	-29 36.2	1.947	2.930	5.8	20.2	5 21	16 51.34	-18 5.8	2.025	3.016	4.7	20.3
5 31	16 43.32	-29 42.9	1.917	2.924	2.8	20.0	5 31	16 42.80	-17 35.0	2.000	3.011	1.7	20.1
6 10	16 31.92	-29 39.5	1.916	2.918	4.0	20.1	6 10	16 34.08	-17 6.1	2.003	3.006	3.7	20.2
6 20	16 21.31	-29 27.5	1.943	2.911	7.4	20.3	6 20	16 26.05	-16 41.3	2.034	3.001	7.3	20.5
6 30	16 12.49	-29 10.2	1.995	2.903	10.9	20.5	6 30	16 19.48	-16 22.8	2.090	2.995	10.6	20.7
7 10	16 6.13	-28 51.5	2.070	2.894	14.0	20.7	7 10	16 14.90	-16 12.0	2.168	2.990	13.5	20.8
15716	Narahara	6	2.1 251°19	0°5/ 2.0 18			477734	2010 <i>TL</i> ₇₇	6	2.1 258°36	3°7/31.4 16		

EPHEMERIDES

6 2.1

6 2.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
382591	2002 <i>CT</i> ₃₀₁		6 2.1 275°56	2.4/ 2.8	17		483188	2015 <i>PS</i> ₁₄₀		6 2.1 300°50	1.1/ 2.4	18	
5 1	17 8.25	-28 52.1	1.862	2.726	13.2	20.8	5 1	17 3.91	-25 6.9	2.141	3.011	11.5	21.0
5 11	17 2.16	-28 58.5	1.765	2.701	9.9	20.5	5 11	16 58.61	-25 16.3	2.052	2.994	8.4	20.7
5 21	16 53.56	-28 56.0	1.690	2.676	6.2	20.3	5 21	16 51.37	-25 21.2	1.987	2.978	4.9	20.5
5 31	16 43.25	-28 43.0	1.641	2.650	2.8	20.0	5 31	16 42.86	-25 21.0	1.949	2.961	1.4	20.2
6 10	16 32.37	-28 19.5	1.619	2.624	4.1	20.0	6 10	16 34.01	-25 16.0	1.939	2.945	3.2	20.3
6 20	16 22.16	-27 47.8	1.624	2.597	8.2	20.2	6 20	16 25.75	-25 7.5	1.955	2.929	6.9	20.5
6 30	16 13.79	-27 12.1	1.654	2.570	12.3	20.4	6 30	16 18.96	-24 57.8	1.997	2.913	10.5	20.7
7 10	16 8.07	-26 37.3	1.704	2.543	15.9	20.5	7 10	16 14.28	-24 49.4	2.060	2.898	13.6	20.9
435830	2008 <i>WB</i> ₇₅		6 2.1 81°37	0.2/ 2.2	17		75078	1999 <i>VG</i> ₂₃		6 2.1 292°61	0.4/ 2.3	18	
5 1	17 5.77	-24 25.0	1.840	2.715	12.9	20.8	5 1	17 7.06	-24 47.4	1.455	2.339	15.1	19.4
5 11	16 59.86	-23 59.0	1.778	2.723	9.3	20.5	5 11	17 1.74	-24 25.9	1.363	2.313	11.2	19.1
5 21	16 51.95	-23 26.6	1.739	2.731	5.3	20.3	5 21	16 53.52	-23 55.6	1.293	2.286	6.5	18.7
5 31	16 42.91	-22 49.2	1.727	2.740	1.0	20.0	5 31	16 43.29	-23 16.4	1.247	2.260	1.3	18.3
6 10	16 33.81	-22 9.0	1.741	2.748	3.4	20.2	6 10	16 32.39	-22 30.7	1.226	2.233	4.3	18.5
6 20	16 25.67	-21 29.5	1.783	2.757	7.5	20.5	6 20	16 22.30	-21 42.8	1.229	2.207	9.7	18.7
6 30	16 19.32	-20 54.1	1.849	2.765	11.2	20.7	6 30	16 14.38	-20 58.2	1.256	2.180	14.7	18.9
7 10	16 15.30	-20 25.7	1.936	2.774	14.3	21.0	7 10	16 9.56	-20 22.0	1.301	2.154	19.0	19.1
43734	1979 <i>MY</i> ₇		6 2.1 346°62	3.0/ 3.2	18		269690	1996 <i>RG</i> ₃		6 2.1 100°37	2.1/ 1.6	17	
5 1	17 4.99	-30 56.4	1.595	2.468	14.6	18.8	5 1	17 21.07	-17 49.0	1.752	2.604	14.5	22.5
5 11	16 59.82	-30 43.7	1.523	2.463	10.9	18.6	5 11	17 10.31	-17 24.6	1.718	2.652	10.3	22.4
5 21	16 52.16	-30 18.0	1.473	2.459	6.9	18.3	5 21	16 57.52	-16 59.5	1.710	2.698	5.9	22.2
5 31	16 42.98	-29 38.6	1.447	2.455	3.3	18.1	5 31	16 43.88	-16 35.0	1.731	2.741	2.2	22.0
6 10	16 33.58	-28 47.7	1.447	2.452	4.4	18.1	6 10	16 30.68	-16 13.3	1.782	2.782	4.4	22.3
6 20	16 25.23	-27 49.5	1.472	2.449	8.4	18.4	6 20	16 19.04	-15 56.6	1.862	2.822	8.3	22.6
6 30	16 19.00	-26 50.1	1.521	2.447	12.5	18.6	6 30	16 9.76	-15 47.0	1.968	2.859	11.9	22.9
7 10	16 15.55	-25 55.0	1.590	2.446	16.0	18.8	7 10	16 3.23	-15 45.4	2.096	2.894	14.7	23.1
320404	2007 <i>UF</i> ₁₁₉		6 2.1 205°88	0.0/ 2.1	17 R		57869	2001 <i>YM</i> ₂₄		6 2.1 16°81	2.1/ 2.4	18	
5 1	17 9.69	-22 30.6	1.880	2.748	12.9	22.0	5 1	17 4.57	-24 45.2	1.136	2.035	17.2	18.0
5 11	17 2.84	-22 24.0	1.801	2.743	9.4	21.8	5 11	17 0.06	-25 23.8	1.086	2.042	12.6	17.8
5 21	16 53.76	-22 13.4	1.746	2.737	5.3	21.5	5 21	16 52.50	-25 57.1	1.056	2.051	7.4	17.5
5 31	16 43.27	-21 58.6	1.717	2.730	0.9	21.2	5 31	16 43.07	-26 22.5	1.049	2.061	2.5	17.2
6 10	16 32.48	-21 41.1	1.717	2.723	3.6	21.4	6 10	16 33.42	-26 39.1	1.064	2.072	4.8	17.4
6 20	16 22.51	-21 22.8	1.743	2.715	7.9	21.6	6 20	16 25.12	-26 48.2	1.102	2.085	9.9	17.7
6 30	16 14.36	-21 6.9	1.795	2.706	11.8	21.8	6 30	16 19.47	-26 53.2	1.162	2.099	14.5	18.1
7 10	16 8.68	-20 55.8	1.869	2.696	15.1	22.0	7 10	16 17.17	-26 57.9	1.239	2.114	18.4	18.3
160433	2005 <i>SJ</i> ₇₅		6 2.1 134°23	0.2/ 2.2	18		71401	2000 <i>AL</i> ₁₇₀		6 2.1 175°39	4.0/ 31.6	18	
5 1	17 3.82	-23 31.8	2.638	3.501	9.8	21.8	5 1	17 4.51	-10 15.1	2.409	3.270	10.7	20.3
5 11	16 58.00	-23 25.3	2.571	3.510	7.1	21.6	5 11	16 58.56	-9 44.1	2.341	3.273	8.1	20.1
5 21	16 50.77	-23 15.4	2.528	3.519	4.0	21.4	5 21	16 51.12	-9 17.8	2.297	3.275	5.5	19.9
5 31	16 42.72	-23 2.2	2.514	3.527	0.8	21.2	5 31	16 42.81	-8 58.3	2.281	3.276	4.0	19.8
6 10	16 34.59	-22 46.7	2.529	3.535	2.6	21.3	6 10	16 34.38	-8 47.4	2.293	3.277	5.2	19.9
6 20	16 27.09	-22 30.5	2.572	3.543	5.7	21.6	6 20	16 26.57	-8 46.2	2.332	3.277	7.7	20.1
6 30	16 20.84	-22 15.4	2.642	3.551	8.5	21.7	6 30	16 20.03	-8 55.1	2.397	3.277	10.4	20.2
7 10	16 16.28	-22 3.3	2.735	3.558	11.0	21.9	7 10	16 15.22	-9 13.6	2.483	3.276	12.8	20.4
392654	2011 <i>UE</i> ₁₉₅		6 2.1 291°54	3.8/ 2.9	17		307140	2002 <i>CL</i> ₁₈₈		6 2.1 110°99	1.5/ 2.5	16	
5 1	17 6.78	-31 47.3	2.115	2.969	12.2	20.8	5 1	17 11.41	-26 11.4	1.548	2.420	15.0	21.9
5 11	17 0.84	-32 27.7	2.031	2.959	9.4	20.6	5 11	17 4.25	-26 15.4	1.493	2.436	10.9	21.7
5 21	16 52.70	-32 59.9	1.972	2.948	6.3	20.4	5 21	16 54.55	-26 11.7	1.461	2.451	6.4	21.5
5 31	16 43.10	-33 21.3	1.938	2.938	4.0	20.2	5 31	16 43.41	-25 59.2	1.454	2.466	2.0	21.2
6 10	16 33.09	-33 30.5	1.931	2.927	4.7	20.3	6 10	16 32.23	-25 39.4	1.473	2.480	4.0	21.4
6 20	16 23.76	-33 28.4	1.952	2.917	7.6	20.4	6 20	16 22.31	-25 15.1	1.519	2.494	8.5	21.7
6 30	16 16.09	-33 17.8	1.997	2.907	10.8	20.6	6 30	16 14.71	-24 50.7	1.589	2.507	12.5	21.9
7 10	16 10.79	-33 2.8	2.064	2.897	13.7	20.8	7 10	16 10.01	-24 30.1	1.679	2.520	15.9	22.2
489437	2006 <i>WR</i> ₉₅		6 2.1 247°02	1.2/ 1.8	17		428689	2008 <i>LE</i> ₁₅		6 2.1 315°71	10.1/ 30.3	17	
5 1	17 7.79	-19 58.4	1.840	2.713	12.9	22.6	5 1	17 3.17	-1 12.5	1.428	2.298	16.2	21.0
5 11	17 1.59	-19 43.1	1.753	2.698	9.4	22.4	5 11	16 58.57	-0 13.5	1.356	2.279	13.4	20.7
5 21	16 53.12	-19 25.5	1.690	2.682	5.4	22.1	5 21	16 51.55	+ 0 30.0	1.305	2.261	11.0	20.5
5 31	16 43.18	-19 6.4	1.653	2.665	1.4	21.8	5 31	16 42.93	+ 0 51.3	1.275	2.244	10.1	20.4
6 10	16 32.83	-18 47.4	1.643	2.648	4.0	22.0	6 10	16 33.87	+ 0 45.8	1.268	2.227	11.4	20.5
6 20	16 23.20	-18 30.9	1.661	2.631	8.3	22.2	6 20	16 25.59	+ 0 12.3	1.283	2.211	14.1	20.6
6 30	16 15.29	-18 19.4	1.703	2.613	12.3	22.4	6 30	16 19.19	-0 47.0	1.318	2.195	17.4	20.7
7 10	16 9.83	-18 15.0	1.765	2.594	15.8	22.6	7 10	16 15.43	-2 7.2	1.370	2.180	20.5	20.9
152312	2005 <i>TL</i> ₁₄₁		6 2.1 71°48	1.6/ 1.7	17		163960	2003 <i>UX</i> ₆₃		6 2.1 260°49	5.1/ 31.5	18	
5 1	17 7.09	-18 50.3	1.574	2.456	14.2	20.4	5 1	17 4.44	-8 43.7	2.051	2.917	12.1	20.2
5 11	17 0.98	-18 38.4	1.522	2.471	10.3	20.2	5 11	16 58.87	-8 12.9	1.970	2.902	9.3	20.0
5 21	16 52.64	-18 25.9	1.493	2.486	5.8	20.0	5 21	16 51.47	-7 48.5	1.911	2.887	6.6	19.8
5 31	16 43.06	-18 14.1	1.489	2.501	1.8	19.8	5 31	16 42.90	-7 33.4	1.879	2.872	5.1	19.7
6 10	16 33.44	-18 4.6	1.511	2.516	4.3	20.0	6 10	16 34.04	-7 29.8	1.874	2.857	6.4	19.7
6 20	16 24.91	-17 59.2	1.559	2.531	8.6	20.3	6 20	16 25.76	-7 38.9	1.895	2.841	9.2	19.9
6 30	16 18.40	-17 59.8	1.630	2.546	12.4	20.5	6 30	16 18.90	-8 0.9	1.941	2.825	12.3	20.0
7 10	16 14.47	-18 7.3	1.722	2.561	15.7	20.8	7 10	16 14.04	-8 34.6	2.007	2.809	15.1	20.2
429314	2010 <i>ED</i> ₄₀		6 2.1 117°51	10.2/ 28.6	18		403800	2011 <i>UC</i> ₂₄		6 2.			

EPHEMERIDES

6 2.1

6 2.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
373164	2012 <i>DS</i> ₁		6 2.1 355°61	1.2°/ 1.9	17		26675	2001 <i>EZ</i>		6 2.1 256°46	4.7°/31.7	18	
5 1	17 2.88	-19 37.1	1.092	1.997	17.2	20.2	5 1	17 6.19	-8 31.3	2.264	3.121	11.4	18.8
5 11	16 58.96	-19 41.3	1.031	1.992	12.5	19.9	5 11	17 0.08	-8 12.4	2.170	3.098	8.8	18.6
5 21	16 51.98	-19 45.5	0.991	1.988	7.1	19.6	5 21	16 52.18	-7 59.8	2.100	3.075	6.2	18.4
5 31	16 43.02	-19 50.1	0.972	1.985	1.7	19.2	5 31	16 43.08	-7 55.9	2.058	3.051	4.7	18.3
6 10	16 33.66	-19 56.3	0.975	1.983	5.0	19.5	6 10	16 33.61	-8 2.3	2.043	3.026	5.9	18.3
6 20	16 25.50	-20 5.7	1.001	1.983	10.6	19.8	6 20	16 24.60	-8 20.0	2.056	3.001	8.7	18.4
6 30	16 19.90	-20 20.0	1.046	1.984	15.7	20.0	6 30	16 16.87	-8 48.8	2.095	2.975	11.7	18.6
7 10	16 17.66	-20 40.7	1.109	1.987	19.9	20.3	7 10	16 11.03	-9 27.8	2.154	2.948	14.5	18.7
499841	2011 <i>EJ</i> ₁₃		6 2.1 76°09	4.9°/ 3.5	17		127106	2002 <i>GU</i> ₉₀		6 2.1 201°37	6.2°/30.2	18	
5 1	17 10.30	-33 56.2	1.649	2.507	15.0	21.1	5 1	17 4.23	-6 37.2	2.127	2.987	12.0	20.1
5 11	17 3.57	-34 25.5	1.594	2.521	11.5	20.9	5 11	16 58.53	-5 25.5	2.059	2.984	9.4	20.0
5 21	16 54.23	-34 41.2	1.561	2.536	7.8	20.7	5 21	16 51.19	-4 20.1	2.016	2.981	7.1	19.8
5 31	16 43.38	-34 40.3	1.552	2.551	5.1	20.6	5 31	16 42.88	-3 25.6	1.999	2.977	6.3	19.8
6 10	16 32.44	-34 22.9	1.570	2.565	5.7	20.7	6 10	16 34.44	-2 45.7	2.009	2.973	7.5	19.8
6 20	16 22.74	-33 52.0	1.612	2.580	8.7	20.9	6 20	16 26.66	-2 22.4	2.045	2.969	9.9	20.0
6 30	16 15.37	-33 13.3	1.679	2.595	12.2	21.1	6 30	16 20.28	-2 16.3	2.105	2.964	12.5	20.1
7 10	16 10.95	-32 32.7	1.766	2.609	15.2	21.4	7 10	16 15.79	-2 26.2	2.185	2.959	14.9	20.3
433619	2013 <i>YW</i> ₁₀₈		6 2.1 227°99	1.5°/ 1.6	17		257955	2001 <i>AW</i> ₉		6 2.1 141°00	1.5°/ 2.6	18	
5 1	17 5.46	-18 29.8	2.175	3.045	11.3	21.7	5 1	17 10.72	-27 5.3	1.805	2.670	13.6	21.2
5 11	16 59.54	-18 12.7	2.093	3.036	8.2	21.5	5 11	17 3.55	-26 59.8	1.742	2.681	9.9	21.0
5 21	16 51.81	-17 54.7	2.036	3.027	4.8	21.3	5 21	16 54.12	-26 46.0	1.703	2.691	5.8	20.8
5 31	16 42.96	-17 37.0	2.006	3.018	1.7	21.0	5 31	16 43.41	-26 23.6	1.690	2.701	1.9	20.5
6 10	16 33.87	-17 21.0	2.005	3.008	3.7	21.1	6 10	16 32.61	-25 54.0	1.704	2.710	3.6	20.7
6 20	16 25.42	-17 8.5	2.030	2.997	7.3	21.4	6 20	16 22.89	-25 20.2	1.746	2.719	7.7	20.9
6 30	16 18.40	-17 1.3	2.082	2.987	10.7	21.5	6 30	16 15.18	-24 46.5	1.813	2.727	11.5	21.2
7 10	16 13.38	-17 0.6	2.155	2.975	13.6	21.7	7 10	16 10.08	-24 16.7	1.901	2.734	14.7	21.4
317781	2003 <i>ST</i> ₁₅₃		6 2.1 290°35	0°/ 2.0	17		456672	2007 <i>RM</i> ₈₂		6 2.1 355°31	4.9°/ 3.1	17	
5 1	17 8.19	-21 30.6	1.403	2.289	15.4	20.8	5 1	17 5.23	-30 28.3	1.022	1.920	18.8	20.6
5 11	17 2.62	-21 48.9	1.319	2.269	11.3	20.5	5 11	17 1.16	-31 5.3	0.963	1.915	14.3	20.3
5 21	16 54.08	-22 6.0	1.256	2.250	6.5	20.2	5 21	16 53.46	-31 29.2	0.922	1.911	9.4	20.1
5 31	16 43.42	-22 20.7	1.217	2.230	1.2	19.7	5 31	16 43.35	-31 35.5	0.902	1.908	5.3	19.8
6 10	16 32.05	-22 32.8	1.203	2.211	4.4	19.9	6 10	16 32.73	-31 23.3	0.903	1.907	6.5	19.9
6 20	16 21.47	-22 43.1	1.214	2.191	9.8	20.2	6 20	16 23.58	-30 56.0	0.925	1.907	11.3	20.1
6 30	16 13.12	-22 53.9	1.247	2.172	14.7	20.4	6 30	16 17.50	-30 20.8	0.967	1.908	16.3	20.4
7 10	16 7.95	-23 7.9	1.299	2.153	19.0	20.6	7 10	16 15.37	-29 45.2	1.025	1.910	20.6	20.7
10534	1991 <i>PV</i> ₁₆		6 2.1 237°18	0°/ 1.9	18		423788	2006 <i>GG</i> ₁₁		6 2.1 103°55	3°5/ 2.9	17	
5 1	17 4.55	-20 42.6	2.315	3.184	10.8	18.3	5 1	17 8.77	-30 24.1	1.885	2.744	13.3	20.7
5 11	16 58.83	-20 36.7	2.233	3.175	7.8	18.1	5 11	17 2.33	-31 2.4	1.817	2.749	10.0	20.5
5 21	16 51.39	-20 29.0	2.175	3.167	4.4	17.9	5 21	16 53.56	-31 32.2	1.772	2.753	6.5	20.3
5 31	16 42.89	-20 19.7	2.144	3.157	0.9	17.6	5 31	16 43.33	-31 50.6	1.754	2.757	3.7	20.2
6 10	16 34.16	-20 10.1	2.142	3.148	3.1	17.8	6 10	16 32.82	-31 56.9	1.762	2.761	4.6	20.2
6 20	16 26.01	-20 1.3	2.168	3.138	6.6	18.0	6 20	16 23.22	-31 52.4	1.797	2.765	7.9	20.4
6 30	16 19.22	-19 55.3	2.220	3.129	9.9	18.2	6 30	16 15.54	-31 40.5	1.856	2.770	11.3	20.7
7 10	16 14.34	-19 53.5	2.294	3.118	12.8	18.3	7 10	16 10.46	-31 25.5	1.937	2.774	14.3	20.9
241407	2008 <i>UF</i> ₇₈		6 2.1 202°11	2°/ 2.6	17		312029	2007 <i>RU</i> ₁₂₅		6 2.1 211°35	0°8/ 2.3	17	
5 1	17 12.04	-26 37.5	1.662	2.529	14.4	21.4	5 1	17 10.62	-23 9.3	1.622	2.495	14.3	20.7
5 11	17 4.94	-26 58.4	1.586	2.525	10.6	21.2	5 11	17 3.92	-23 31.9	1.547	2.491	10.5	20.5
5 21	16 55.13	-27 12.5	1.533	2.521	6.4	20.9	5 21	16 54.58	-23 51.4	1.495	2.487	6.0	20.2
5 31	16 43.59	-27 17.7	1.506	2.516	2.4	20.7	5 31	16 43.53	-24 6.1	1.469	2.482	1.4	19.9
6 10	16 31.64	-27 13.5	1.506	2.511	4.2	20.8	6 10	16 32.06	-24 15.7	1.470	2.477	3.9	20.1
6 20	16 20.65	-27 2.0	1.532	2.505	8.6	21.0	6 20	16 21.51	-24 21.2	1.497	2.471	8.6	20.3
6 30	16 11.84	-26 46.8	1.582	2.498	12.8	21.2	6 30	16 13.06	-24 25.0	1.548	2.465	12.9	20.6
7 10	16 5.96	-26 32.3	1.654	2.490	16.4	21.5	7 10	16 7.47	-24 30.3	1.619	2.459	16.5	20.8
396101	2013 <i>CD</i> ₁₃₉		6 2.1 57°00	2°3/ 2.8	16		111065	2001 <i>VX</i> ₄₅		6 2.1 207°62	0°4/ 2.2	18	
5 1	17 5.25	-28 34.3	2.131	2.994	11.8	21.5	5 1	17 8.64	-22 20.4	1.994	2.861	12.3	19.4
5 11	16 59.46	-28 49.9	2.063	2.999	8.8	21.4	5 11	17 2.07	-22 42.0	1.916	2.857	9.0	19.2
5 21	16 51.78	-28 58.5	2.020	3.005	5.4	21.2	5 21	16 53.37	-23 1.4	1.862	2.853	5.1	19.0
5 31	16 42.97	-28 58.8	2.003	3.011	2.5	21.0	5 31	16 43.31	-23 17.8	1.835	2.848	1.0	18.6
6 10	16 34.00	-28 51.2	2.014	3.017	3.6	21.1	6 10	16 32.91	-23 30.6	1.837	2.843	3.3	18.8
6 20	16 25.81	-28 37.3	2.051	3.024	6.8	21.3	6 20	16 23.24	-23 40.7	1.866	2.838	7.4	19.1
6 30	16 19.24	-28 20.0	2.115	3.030	10.0	21.5	6 30	16 15.24	-23 49.7	1.920	2.832	11.1	19.3
7 10	16 14.83	-28 2.5	2.200	3.036	12.8	21.7	7 10	16 9.58	-23 59.7	1.996	2.825	14.2	19.5
250529	2004 <i>PT</i> ₇₅		6 2.1 292°19	9°7/ 6.6	18		409787	2006 <i>FE</i> ₁₈		6 2.1 94°25	2°2/ 2.6	16	
5 1	17 12.59	-52 33.8	2.350	3.107	14.1	19.7	5 1	17 10.86	-26 28.7	1.396	2.274	15.9	21.3
5 11	17 5.42	-53 12.8	2.269	3.098	12.5	19.6	5 11	17 4.25	-26 51.8	1.339	2.284	11.7	21.0
5 21	16 55.42	-53 30.7	2.208	3.088	11.0	19.5	5 21	16 54.77	-27 7.5	1.303	2.293	7.0	20.8
5 31	16 43.63	-53 22.6	2.169	3.079	9.9	19.4	5 31	16 43.55	-27 13.4	1.291	2.302	2.6	20.5
6 10	16 31.55	-52 46.7	2.154	3.070	9.8	19.3	6 10	16 32.14	-27 9.5	1.305	2.311	4.5	20.7
6 20	16 20.65	-51 45.3	2.162	3.061	10.6	19.4	6 20	16 22.01	-26 58.4	1.343	2.320	9.2	21.0
6 30	16 12.15	-50 24.1	2.194	3.052	12.1	19.5	6 30	16 14.37	-26 44.1	1.405	2.328	13.5	21.3
7 10	16 6.79	-48 50.9	2.247	3.043	13.9	19.6	7 10	16 9.91	-26 31.3	1.486	2.337	17.2	21.5
380849	2006 <i>BW</i> ₂₅		6 2.1 71°59	7°2/31.6	17		428002	2006 <i>BO</i> ₄₅		6 2.1 82°83			

EPHEMERIDES

6 2.1

6 2.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
214101	2004 OQ ₁₂	6	2.1 337°69	0°0/ 1.9 18			341434	2007 TS ₂₃₁	6	2.2 145°86	1°5/ 1.5 18		
5 1	17 2.90	-22 15.7	1.800	2.681	12.8	20.0	5 1	17 4.35	-18 42.7	2.503	3.369	10.2	21.9
5 11	16 58.09	-22 16.0	1.723	2.672	9.3	19.7	5 11	16 58.44	-18 15.6	2.437	3.378	7.3	21.7
5 21	16 51.18	-22 13.2	1.669	2.663	5.3	19.5	5 21	16 51.09	-17 47.3	2.396	3.386	4.2	21.5
5 31	16 42.93	-22 7.6	1.641	2.654	0.9	19.1	5 31	16 42.92	-17 19.4	2.383	3.394	1.6	21.3
6 10	16 34.39	-22 0.1	1.639	2.647	3.5	19.3	6 10	16 34.70	-16 53.4	2.399	3.401	3.3	21.5
6 20	16 26.59	-21 52.4	1.663	2.640	7.7	19.6	6 20	16 27.12	-16 31.3	2.443	3.408	6.3	21.7
6 30	16 20.47	-21 46.8	1.711	2.633	11.6	19.8	6 30	16 20.83	-16 14.6	2.514	3.414	9.2	21.9
7 10	16 16.69	-21 45.3	1.780	2.627	14.9	20.0	7 10	16 16.26	-16 4.6	2.607	3.420	11.7	22.1
152651	1997 VN ₈	6	2.1 154°31	1°7/ 2.7 17			175702	1995 UB ₅₈	6	2.2 32°33	0°7/ 2.4 17		
5 1	17 9.15	-27 28.5	2.253	3.108	11.5	21.0	5 1	17 6.76	-24 26.4	1.256	2.148	16.4	20.2
5 11	17 2.14	-27 35.7	2.184	3.117	8.5	20.8	5 11	17 1.40	-24 22.7	1.202	2.155	12.0	20.0
5 21	16 53.26	-27 36.0	2.140	3.126	5.1	20.7	5 21	16 53.21	-24 12.1	1.168	2.163	6.8	19.7
5 31	16 43.29	-27 28.9	2.123	3.133	2.0	20.5	5 31	16 43.33	-23 54.8	1.158	2.171	1.5	19.4
6 10	16 33.19	-27 14.7	2.136	3.140	3.2	20.6	6 10	16 33.30	-23 32.5	1.172	2.180	4.3	19.6
6 20	16 23.91	-26 55.4	2.176	3.147	6.6	20.8	6 20	16 24.59	-23 8.8	1.209	2.189	9.5	19.9
6 30	16 16.25	-26 34.0	2.243	3.153	9.8	21.0	6 30	16 18.37	-22 47.9	1.269	2.199	14.1	20.2
7 10	16 10.75	-26 13.6	2.333	3.158	12.6	21.2	7 10	16 15.30	-22 33.3	1.347	2.210	17.9	20.5
139936	2001 RX ₁₃₃	6	2.1 270°10	3°5/ 31.9 16			432420	2010 AT ₅₉	6	2.2 185°69	2°2/ 2.9 18		
5 1	17 3.33	-13 7.9	2.102	2.974	11.6	20.3	5 1	17 8.83	-29 14.4	2.531	3.379	10.7	22.1
5 11	16 58.03	-12 39.9	2.025	2.966	8.6	20.1	5 11	17 1.88	-29 29.3	2.451	3.379	8.0	22.0
5 21	16 51.00	-12 14.9	1.972	2.958	5.5	19.9	5 21	16 53.14	-29 37.1	2.396	3.378	5.0	21.8
5 31	16 42.89	-11 55.2	1.946	2.949	3.5	19.7	5 31	16 43.32	-29 36.8	2.370	3.376	2.4	21.6
6 10	16 34.57	-11 42.8	1.947	2.941	5.0	19.8	6 10	16 33.28	-29 28.2	2.372	3.374	3.3	21.6
6 20	16 26.88	-11 39.1	1.975	2.932	8.1	20.0	6 20	16 23.91	-29 13.0	2.404	3.371	6.3	21.8
6 30	16 20.58	-11 45.2	2.027	2.924	11.3	20.2	6 30	16 15.98	-28 53.7	2.462	3.368	9.2	22.0
7 10	16 16.22	-12 0.8	2.101	2.915	14.1	20.3	7 10	16 10.04	-28 33.4	2.544	3.363	11.8	22.2
40471	1999 RX ₄₇	6	2.1 233°66	6°9/ 4.5 18			318478	2005 EE ₇₄	6	2.2 148°78	4°1/ 1.1 17		
5 1	17 12.28	-42 46.1	2.300	3.106	13.0	18.8	5 1	17 7.84	-13 22.1	1.622	2.499	14.2	21.1
5 11	17 4.96	-43 21.4	2.211	3.094	10.8	18.7	5 11	17 1.58	-12 51.3	1.561	2.504	10.5	20.9
5 21	16 55.13	-43 40.9	2.144	3.080	8.6	18.5	5 21	16 53.10	-12 24.4	1.522	2.508	6.6	20.7
5 31	16 43.66	-43 40.6	2.103	3.067	7.1	18.4	5 31	16 43.31	-12 4.1	1.508	2.513	4.1	20.6
6 10	16 31.77	-43 18.8	2.088	3.052	7.2	18.3	6 10	16 33.37	-11 53.0	1.521	2.517	5.9	20.7
6 20	16 20.73	-42 37.6	2.099	3.038	8.8	18.4	6 20	16 24.39	-11 52.5	1.560	2.520	9.6	20.9
6 30	16 11.68	-41 41.6	2.135	3.022	11.2	18.5	6 30	16 17.33	-12 3.4	1.622	2.524	13.3	21.1
7 10	16 5.34	-40 37.6	2.194	3.006	13.7	18.7	7 10	16 12.80	-12 25.3	1.704	2.527	16.5	21.4
85648	1998 PF ₁	6	2.1 335°34	9°0/ 5.7 18			234589	2001 YY ₂₅	6	2.2 313°52	0°4/ 2.3 17		
5 1	17 7.67	-46 13.4	1.874	2.686	15.3	18.7	5 1	17 5.44	-23 10.0	1.449	2.336	14.9	19.1
5 11	17 2.10	-46 44.5	1.794	2.673	13.0	18.5	5 11	17 0.50	-23 15.2	1.368	2.319	11.0	18.8
5 21	16 53.66	-46 54.6	1.734	2.661	10.8	18.3	5 21	16 52.84	-23 16.1	1.308	2.302	6.3	18.5
5 31	16 43.39	-46 38.8	1.696	2.650	9.2	18.2	5 31	16 43.31	-23 12.4	1.272	2.286	1.3	18.1
6 10	16 32.77	-45 55.7	1.681	2.640	9.1	18.1	6 10	16 33.24	-23 4.7	1.262	2.270	4.1	18.3
6 20	16 23.30	-44 48.4	1.691	2.630	10.6	18.2	6 20	16 24.02	-22 55.1	1.276	2.254	9.3	18.5
6 30	16 16.22	-43 23.6	1.724	2.621	12.9	18.3	6 30	16 16.92	-22 46.8	1.312	2.240	13.9	18.7
7 10	16 12.27	-41 49.9	1.777	2.612	15.5	18.5	7 10	16 12.79	-22 43.0	1.367	2.225	18.0	19.0
17690	1997 CY ₂	6	2.1 109°85	1°2/ 1.7 18			382582	2002 CX ₁₅₂	6	2.2 228°64	9°6/ 6.3 18		
5 1	17 4.20	-18 42.3	2.494	3.361	10.2	19.3	5 1	17 20.97	-54 16.4	2.610	3.338	13.5	22.5
5 11	16 58.31	-18 31.6	2.435	3.376	7.3	19.1	5 11	17 11.52	-54 57.9	2.517	3.323	12.1	22.3
5 21	16 50.99	-18 20.4	2.401	3.391	4.2	18.9	5 21	16 58.96	-55 18.7	2.444	3.306	10.7	22.2
5 31	16 42.88	-18 9.5	2.394	3.406	1.3	18.7	5 31	16 44.40	-55 12.8	2.395	3.289	9.8	22.1
6 10	16 34.73	-18 0.0	2.417	3.421	3.1	18.9	6 10	16 29.43	-54 37.7	2.370	3.271	9.6	22.1
6 20	16 27.25	-17 53.2	2.468	3.435	6.2	19.1	6 20	16 15.67	-53 35.3	2.370	3.252	10.5	22.1
6 30	16 21.06	-17 50.2	2.545	3.449	9.0	19.3	6 30	16 4.48	-52 11.3	2.395	3.232	11.9	22.2
7 10	16 16.59	-17 52.1	2.645	3.463	11.5	19.5	7 10	15 56.66	-50 34.1	2.441	3.211	13.6	22.3
136220	2003 WO ₇₈	6	2.1 289°77	2°5/ 2.8 18	R		8820	Anjandersen	6	2.2 236°81	1°1/ 1.9 18		
5 1	17 8.07	-28 4.9	1.439	2.317	15.5	20.1	5 1	17 8.24	-19 41.7	1.563	2.444	14.4	17.5
5 11	17 2.57	-28 11.1	1.354	2.298	11.6	19.8	5 11	17 2.18	-19 39.8	1.491	2.439	10.5	17.3
5 21	16 54.07	-28 7.6	1.290	2.279	7.1	19.5	5 21	16 53.61	-19 36.9	1.441	2.435	6.0	17.0
5 31	16 43.51	-27 52.3	1.250	2.261	2.9	19.2	5 31	16 43.44	-19 33.3	1.417	2.430	1.5	16.7
6 10	16 32.32	-27 25.6	1.235	2.242	4.6	19.2	6 10	16 32.92	-19 30.2	1.418	2.424	4.2	16.9
6 20	16 22.06	-26 50.6	1.245	2.223	9.6	19.4	6 20	16 23.32	-19 29.1	1.446	2.419	8.9	17.1
6 30	16 14.12	-26 12.8	1.277	2.204	14.3	19.7	6 30	16 15.77	-19 32.3	1.496	2.414	13.2	17.4
7 10	16 9.40	-25 37.9	1.329	2.186	18.5	19.9	7 10	16 10.97	-19 41.5	1.567	2.408	16.9	17.6
152863	1999 XZ ₁₁₄	6	2.1 267°01	5°7/ 3.7 18	R		141192	2001 XM ₁₈₃	6	2.2 201°73	0°6/ 1.9 18		
5 1	17 9.48	-40 43.1	2.764	3.573	11.0	20.7	5 1	17 3.59	-20 43.0	2.984	3.845	8.9	21.6
5 11	17 2.70	-41 27.0	2.661	3.548	9.0	20.5	5 11	16 57.82	-20 27.2	2.901	3.840	6.4	21.4
5 21	16 53.80	-41 59.7	2.582	3.523	7.1	20.3	5 21	16 50.75	-20 9.4	2.844	3.835	3.6	21.2
5 31	16 43.44	-42 17.5	2.529	3.496	5.8	20.2	5 31	16 42.90	-19 50.2	2.816	3.829	0.9	21.0
6 10	16 32.56	-42 18.8	2.503	3.470	6.0	20.2	6 10	16 34.92	-19 30.7	2.817	3.822	2.5	21.1
6 20	16 22.17	-42 4.1	2.505	3.443	7.7	20.2	6 20	16 27.42	-19 12.5	2.848	3.815	5.4	21.3
6 30	16 13.23	-41 36.3	2.533	3.415	9.8	20.3	6 30	16 20.98	-18 57.0	2.906	3.808	8.1	21.5
7 10	16 6.48	-41 0.0	2.583	3.387	12.1	20.4	7 10	16 16.02	-18 45.6	2.988	3.799	10.4	21.6
192473	1998 FX ₇₁	6	2.1 354°46	10°8/ 3.9 18			205737	2002 AS ₁₇₁	6	2.2 57°57	2°1/ 2.7 17		
5 1	17 12.40	-44 32.7	1.553										

EPHEMERIDES

6 2.2

6 2.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
85120	1975 <i>SP</i> ₁		6 2.2 295°40	5°2/31.1	18		439616	2014 <i>ER</i> ₄₅		6 2.2 185°08	3°5/31.9	18	
5 1	17 4.14	-12 21.1	1.640	2.522	13.8	19.6	5 1	17 4.41	-11 30.1	2.439	3.301	10.5	21.7
5 11	16 59.15	-11 18.7	1.556	2.500	10.4	19.3	5 11	16 58.58	-11 9.6	2.367	3.301	7.9	21.5
5 21	16 51.90	-10 17.9	1.494	2.478	7.1	19.1	5 21	16 51.25	-10 53.1	2.320	3.301	5.2	21.3
5 31	16 43.15	-9 23.5	1.457	2.456	5.2	18.9	5 31	16 43.04	-10 42.4	2.300	3.300	3.5	21.2
6 10	16 33.98	-8 40.2	1.445	2.434	7.1	19.0	6 10	16 34.68	-10 38.9	2.309	3.299	4.7	21.3
6 20	16 25.50	-8 11.7	1.458	2.412	10.8	19.1	6 20	16 26.90	-10 43.5	2.346	3.297	7.4	21.5
6 30	16 18.75	-8 0.3	1.494	2.390	14.6	19.3	6 30	16 20.36	-10 56.6	2.408	3.295	10.1	21.6
7 10	16 14.45	-8 5.9	1.548	2.368	18.1	19.5	7 10	16 15.54	-11 17.7	2.492	3.293	12.6	21.8
207469	2006 <i>GK</i> ₄₉		6 2.2 8°78	2°0/ 2.7	17		215561	2003 <i>CG</i> ₁₈		6 2.2 150°24	0°4/ 2.0	18	
5 1	17 6.20	-27 28.7	1.137	2.032	17.6	19.4	5 1	17 4.70	-21 12.0	2.741	3.602	9.5	21.7
5 11	17 1.37	-27 17.9	1.079	2.032	13.0	19.2	5 11	16 58.65	-21 4.4	2.672	3.611	6.9	21.5
5 21	16 53.36	-26 55.2	1.040	2.033	7.7	18.9	5 21	16 51.23	-20 54.7	2.629	3.620	3.9	21.4
5 31	16 43.41	-26 20.3	1.023	2.035	2.5	18.6	5 31	16 43.03	-20 43.4	2.615	3.628	0.8	21.1
6 10	16 33.21	-25 36.1	1.030	2.038	4.7	18.7	6 10	16 34.74	-20 31.5	2.630	3.635	2.6	21.3
6 20	16 24.43	-24 47.8	1.059	2.042	10.1	19.0	6 20	16 27.05	-20 20.1	2.673	3.642	5.6	21.5
6 30	16 18.38	-24 2.1	1.109	2.046	15.1	19.3	6 30	16 20.55	-20 10.9	2.744	3.649	8.4	21.7
7 10	16 15.78	-23 24.3	1.178	2.051	19.3	19.6	7 10	16 15.67	-20 5.1	2.839	3.655	10.8	21.9
430596	2002 <i>SD</i> ₆₂		6 2.2 320°63	3°1/ 1.7	18		467933	2012 <i>BG</i> ₉₀		6 2.2 96°36	3°0/ 3.1	17	
5 1	17 4.11	-14 51.6	1.456	2.345	14.7	20.4	5 1	17 11.58	-30 7.9	1.568	2.433	15.2	21.9
5 11	16 59.66	-14 55.0	1.360	2.311	11.0	20.1	5 11	17 4.45	-30 11.4	1.515	2.451	11.3	21.7
5 21	16 52.49	-15 3.7	1.284	2.276	6.7	19.7	5 21	16 54.77	-30 3.3	1.484	2.469	7.0	21.5
5 31	16 43.32	-15 19.4	1.233	2.243	3.2	19.4	5 31	16 43.67	-29 42.2	1.478	2.486	3.3	21.4
6 10	16 33.31	-15 43.0	1.206	2.209	5.5	19.5	6 10	16 32.58	-29 9.7	1.499	2.503	4.5	21.5
6 20	16 23.82	-16 15.2	1.203	2.177	10.3	19.7	6 20	16 22.82	-28 29.6	1.546	2.520	8.4	21.7
6 30	16 16.18	-16 56.1	1.223	2.145	15.1	19.8	6 30	16 15.43	-27 47.4	1.617	2.536	12.3	22.0
7 10	16 11.43	-17 45.5	1.261	2.115	19.4	20.0	7 10	16 10.97	-27 8.3	1.708	2.552	15.6	22.3
425632	2010 <i>VZ</i> ₁₂₆		6 2.2 154°08	0°0/ 1.9	17		29556	1998 <i>DR</i> ₂		6 2.2 150°35	4°4/ 3.7	18	
5 1	17 9.13	-22 13.7	1.953	2.820	12.5	22.4	5 1	17 7.45	-35 27.6	2.275	3.115	12.0	18.2
5 11	17 2.32	-22 14.4	1.886	2.828	9.1	22.1	5 11	17 1.17	-35 49.8	2.202	3.118	9.3	18.0
5 21	16 53.48	-22 11.9	1.844	2.835	5.1	21.9	5 21	16 52.87	-36 0.6	2.153	3.120	6.6	17.8
5 31	16 43.42	-22 6.1	1.828	2.841	0.9	21.6	5 31	16 43.35	-35 57.7	2.129	3.122	4.6	17.7
6 10	16 33.21	-21 57.7	1.840	2.847	3.3	21.8	6 10	16 33.64	-35 41.2	2.134	3.124	4.9	17.7
6 20	16 23.87	-21 48.7	1.880	2.852	7.4	22.1	6 20	16 24.73	-35 13.0	2.165	3.126	7.3	17.9
6 30	16 16.29	-21 41.1	1.946	2.857	11.0	22.3	6 30	16 17.51	-34 36.9	2.221	3.128	10.0	18.1
7 10	16 11.04	-21 37.3	2.033	2.861	14.1	22.5	7 10	16 12.56	-33 57.5	2.300	3.130	12.6	18.2
381172	2007 <i>JW</i>		6 2.2 46°78	8°5/30.3	17		127334	2002 <i>JX</i> ₁₁₁		6 2.2 359°45	0°2/ 2.1	17	
5 1	17 4.17	-5 44.8	1.428	2.306	15.6	20.1	5 1	17 3.92	-25 43.1	1.431	2.318	15.0	18.3
5 11	16 58.90	-4 16.7	1.389	2.323	12.3	20.0	5 11	16 59.12	-24 40.3	1.365	2.316	10.9	18.1
5 21	16 51.53	-3 0.8	1.372	2.340	9.5	19.9	5 21	16 51.87	-23 26.2	1.320	2.315	6.2	17.8
5 31	16 43.06	-2 3.7	1.379	2.357	8.5	19.8	5 31	16 43.17	-22 3.6	1.301	2.314	1.1	17.5
6 10	16 34.64	-1 29.9	1.409	2.375	9.8	20.0	6 10	16 34.36	-20 38.4	1.307	2.314	4.1	17.7
6 20	16 27.33	-1 20.6	1.462	2.393	12.5	20.2	6 20	16 26.67	-19 17.2	1.338	2.315	9.0	18.0
6 30	16 21.98	-1 34.4	1.536	2.412	15.4	20.4	6 30	16 21.14	-18 6.1	1.392	2.317	13.4	18.2
7 10	16 19.08	-2 7.6	1.628	2.431	18.0	20.6	7 10	16 18.34	-17 9.3	1.465	2.320	17.2	18.5
481236	2005 <i>WN</i> ₉₁		6 2.2 275°84	0°7/ 2.0	18		362044	2009 <i>BC</i> ₅		6 2.2 18°84	4°9/ 1.4	17	
5 1	17 6.47	-18 40.0	2.498	3.360	10.3	21.2	5 1	17 7.31	-12 3.6	1.244	2.134	16.7	20.2
5 11	17 0.34	-19 2.0	2.394	3.334	7.5	21.0	5 11	17 1.79	-11 47.6	1.186	2.135	12.5	20.0
5 21	16 52.42	-19 25.2	2.316	3.307	4.3	20.7	5 21	16 53.50	-11 39.4	1.149	2.137	8.0	19.7
5 31	16 43.27	-19 49.1	2.267	3.280	1.0	20.4	5 31	16 43.50	-11 41.8	1.134	2.139	5.0	19.5
6 10	16 33.66	-20 13.6	2.247	3.252	3.0	20.5	6 10	16 33.22	-11 56.7	1.144	2.141	6.9	19.7
6 20	16 24.42	-20 38.5	2.255	3.224	6.5	20.7	6 20	16 24.09	-12 24.3	1.176	2.144	11.2	19.9
6 30	16 16.36	-21 4.4	2.291	3.196	9.8	20.9	6 30	16 17.30	-13 3.8	1.230	2.147	15.6	20.2
7 10	16 10.12	-21 32.1	2.350	3.167	12.7	21.0	7 10	16 13.57	-13 53.5	1.302	2.150	19.3	20.4
259224	2003 <i>BJ</i> ₂₄		6 2.2 36°58	3°0/ 3.5	17		416290	2003 <i>QJ</i> ₇₇		6 2.2 287°37	8°4/ 3.9	18	
5 1	17 7.84	-32 33.1	1.394	2.267	16.3	19.1	5 1	17 12.61	-39 51.2	1.504	2.347	16.9	20.8
5 11	17 1.97	-31 47.8	1.337	2.276	12.2	18.8	5 11	17 6.49	-40 41.1	1.410	2.320	13.9	20.6
5 21	16 53.41	-30 44.7	1.300	2.286	7.6	18.6	5 21	16 56.69	-41 13.9	1.336	2.293	10.8	20.3
5 31	16 43.40	-29 25.0	1.288	2.297	3.5	18.4	5 31	16 44.17	-41 21.9	1.284	2.265	8.6	20.1
6 10	16 33.46	-27 53.6	1.302	2.308	4.5	18.5	6 10	16 30.62	-41 1.0	1.256	2.237	9.0	20.0
6 20	16 24.96	-26 18.2	1.340	2.319	8.9	18.8	6 20	16 18.00	-40 12.7	1.252	2.209	11.8	20.1
6 30	16 18.94	-24 47.0	1.402	2.331	13.1	19.0	6 30	16 8.14	-39 4.1	1.270	2.181	15.6	20.3
7 10	16 15.93	-23 26.7	1.485	2.343	16.8	19.3	7 10	16 2.18	-37 45.9	1.306	2.153	19.3	20.4
367250	2007 <i>PA</i> ₄₆		6 2.2 210°34	4°1/ 3.7	18		509203	2006 <i>RM</i> ₁₀₄		6 2.2 161°98	1°2/ 1.8	17	
5 1	17 8.78	-35 52.5	2.599	3.430	11.0	21.7	5 1	17 4.45	-18 22.0	2.498	3.364	10.2	22.3
5 11	17 1.98	-36 12.1	2.513	3.423	8.6	21.6	5 11	16 58.63	-18 17.6	2.427	3.368	7.4	22.1
5 21	16 53.29	-36 21.1	2.451	3.416	6.1	21.4	5 21	16 51.30	-18 13.1	2.381	3.372	4.2	21.9
5 31	16 43.41	-36 17.4	2.417	3.408	4.3	21.3	5 31	16 43.09	-18 9.1	2.363	3.375	1.4	21.7
6 10	16 33.27	-36 0.6	2.410	3.399	4.6	21.3	6 10	16 34.74	-18 6.5	2.374	3.378	3.1	21.8
6 20	16 23.80	-35 32.3	2.432	3.390	6.8	21.4	6 20	16 26.99	-18 6.2	2.413	3.380	6.3	22.0
6 30	16 15.83	-34 56.0	2.480	3.380	9.4	21.5	6 30	16 20.49	-18 9.3	2.478	3.382	9.2	22.2
7 10	16 9.96	-34 15.9	2.551	3.370	11.8	21.7	7 10	16 15.73	-18 16.7	2.566	3.384	11.8	22.4
36461	2000 <i>QC</i> ₉		6 2.2 304°59	2°6/ 2.7	18		62059	2000 <i>RO</i> ₇₀		6 2.2 326°09	1°3/ 2.5	17	

EPHEMERIDES

6 2.2

6 2.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
42622	1998 <i>FF</i> ₂₆		6 2.2 39°38	0°8/ 2.4	18		155756	2000 <i>SY</i> ₁₂₇		6 2.2 312°16	6°3/30.8	18	
5 1	17 7.60	-24 4.6	1.158	2.053	17.3	18.2	5 1	17 3.00	-11 12.8	1.465	2.352	14.8	19.6
5 11	17 2.15	-24 8.2	1.111	2.065	12.5	17.9	5 11	16 58.58	-10 2.9	1.383	2.329	11.3	19.3
5 21	16 53.70	-24 5.5	1.084	2.078	7.2	17.7	5 21	16 51.73	-8 55.7	1.322	2.305	7.9	19.1
5 31	16 43.53	-23 56.1	1.079	2.092	1.6	17.4	5 31	16 43.24	-7 57.0	1.286	2.283	6.3	18.9
6 10	16 33.28	-23 41.6	1.098	2.107	4.4	17.6	6 10	16 34.28	-7 12.4	1.274	2.260	8.1	19.0
6 20	16 24.50	-23 25.2	1.141	2.122	9.8	18.0	6 20	16 26.05	-6 46.2	1.285	2.238	11.9	19.1
6 30	16 18.38	-23 11.0	1.204	2.137	14.5	18.3	6 30	16 19.68	-6 40.4	1.318	2.217	15.9	19.3
7 10	16 15.56	-23 2.3	1.287	2.153	18.4	18.6	7 10	16 15.96	-6 54.4	1.368	2.196	19.6	19.5
105338	2000 <i>QD</i> ₈₉		6 2.2 179°77	2°3/ 3.2	18		491465	2012 <i>HU</i>		6 2.2 114°71	4°5/ 1.6	17	
5 1	17 5.60	-30 43.5	2.621	3.470	10.3	20.0	5 1	17 27.78	-21 56.1	1.084	1.955	20.1	20.2
5 11	16 59.51	-30 39.6	2.544	3.471	7.7	19.8	5 11	17 17.95	-24 45.0	1.026	1.967	14.9	20.0
5 21	16 51.81	-30 27.6	2.491	3.472	4.9	19.6	5 21	17 3.44	-27 40.6	0.991	1.978	9.1	19.7
5 31	16 43.18	-30 6.8	2.466	3.472	2.5	19.4	5 31	16 45.47	-30 27.3	0.982	1.989	4.6	19.5
6 10	16 34.42	-29 38.2	2.470	3.472	3.2	19.5	6 10	16 26.39	-32 50.0	1.000	2.000	7.2	19.6
6 20	16 26.33	-29 3.9	2.502	3.471	5.9	19.7	6 20	16 8.83	-34 41.1	1.045	2.010	12.7	20.0
6 30	16 19.60	-28 26.8	2.561	3.471	8.7	19.8	6 30	15 55.05	-36 2.9	1.113	2.020	17.7	20.3
7 10	16 14.71	-27 50.2	2.643	3.469	11.2	20.0	7 10	15 46.24	-37 3.8	1.200	2.029	21.7	20.6
240576	2004 <i>TN</i> ₆₁		6 2.2 210°91	0°8/ 1.9	18		380622	2004 <i>TW</i> ₂₈₇		6 2.2 202°53	7°7/ 2.9	18	
5 1	17 6.73	-20 23.8	2.288	3.153	11.0	21.9	5 1	17 15.33	-39 18.4	1.941	2.766	14.3	20.2
5 11	17 0.47	-20 13.8	2.206	3.146	8.0	21.7	5 11	17 7.72	-40 53.8	1.868	2.765	11.7	20.0
5 21	16 52.44	-20 1.7	2.148	3.139	4.5	21.4	5 21	16 57.07	-42 16.5	1.818	2.764	9.2	19.8
5 31	16 43.31	-19 48.1	2.119	3.131	1.1	21.2	5 31	16 44.26	-43 19.6	1.794	2.762	7.8	19.7
6 10	16 33.94	-19 34.3	2.118	3.123	3.2	21.3	6 10	16 30.71	-43 58.7	1.796	2.760	8.2	19.7
6 20	16 25.20	-19 21.7	2.145	3.114	6.8	21.5	6 20	16 17.98	-44 13.8	1.824	2.759	10.2	19.9
6 30	16 17.87	-19 12.4	2.199	3.105	10.1	21.7	6 30	16 7.50	-44 9.0	1.876	2.757	12.8	20.0
7 10	16 12.51	-19 8.0	2.275	3.094	13.0	21.9	7 10	16 0.23	-43 51.1	1.948	2.755	15.3	20.2
387728	2003 <i>FB</i> ₂₆		6 2.2 72°06	5°9/31.0	17		420562	2012 <i>HN</i> ₄		6 2.2 72°50	2°5/ 1.8	17	
5 1	17 3.01	-6 23.5	2.106	2.968	12.0	20.7	5 1	17 8.09	-16 2.0	1.498	2.380	14.8	20.8
5 11	16 57.61	-5 33.5	2.057	2.984	9.3	20.6	5 11	17 2.00	-16 3.8	1.441	2.388	10.8	20.6
5 21	16 50.70	-4 52.0	2.033	3.000	6.9	20.4	5 21	16 53.51	-16 8.7	1.405	2.396	6.4	20.3
5 31	16 42.98	-4 22.2	2.035	3.016	5.9	20.4	5 31	16 43.56	-16 17.5	1.394	2.404	2.6	20.1
6 10	16 35.25	-4 6.4	2.063	3.032	6.9	20.5	6 10	16 33.44	-16 30.9	1.409	2.413	4.8	20.3
6 20	16 28.27	-4 4 5.9	2.117	3.049	9.2	20.7	6 20	16 24.37	-16 49.5	1.449	2.421	9.1	20.5
6 30	16 22.69	-4 18.4	2.194	3.065	11.6	20.8	6 30	16 17.38	-17 13.8	1.513	2.429	13.2	20.8
7 10	16 18.94	-4 45.1	2.292	3.081	13.9	21.0	7 10	16 13.10	-17 44.0	1.597	2.437	16.7	21.0
247726	2003 <i>FM</i> ₁₃₁		6 2.2 253°96	5°0/ 3.8	18		394762	2008 <i>GZ</i> ₂₂		6 2.2 117°27	3°0/ 3.2	17	
5 1	17 7.41	-36 47.3	2.261	3.098	12.2	20.6	5 1	17 7.11	-31 23.2	2.573	3.418	10.6	22.1
5 11	17 1.25	-37 18.1	2.185	3.096	9.6	20.4	5 11	17 0.65	-31 51.1	2.507	3.431	8.0	21.9
5 21	16 53.00	-37 37.1	2.132	3.094	7.0	20.2	5 21	16 52.51	-32 11.4	2.467	3.443	5.2	21.8
5 31	16 43.42	-37 41.4	2.105	3.092	5.2	20.1	5 31	16 43.37	-32 22.3	2.454	3.455	3.1	21.7
6 10	16 33.58	-37 30.6	2.105	3.091	5.5	20.1	6 10	16 34.10	-32 23.7	2.470	3.467	3.7	21.7
6 20	16 24.52	-37 6.3	2.131	3.089	7.6	20.2	6 20	16 25.52	-32 16.7	2.514	3.479	6.2	21.9
6 30	16 17.17	-36 32.3	2.183	3.087	10.3	20.4	6 30	16 18.37	-32 3.9	2.584	3.490	8.8	22.1
7 10	16 12.15	-35 53.5	2.256	3.085	12.8	20.6	7 10	16 13.16	-31 48.4	2.677	3.501	11.2	22.3
454225	2013 <i>JQ</i> ₂₈		6 2.2 35°39	5°9/ 3.8	16		437780	2015 <i>BR</i> ₅₁₁		6 2.2 175°06	4°6/31.9	17	
5 1	17 22.93	-0 59.7	0.784	1.662	24.9	20.1	5 1	17 7.61	-9 48.8	2.032	2.894	12.4	21.4
5 11	17 13.26	-3 46.6	0.762	1.701	18.8	19.9	5 11	17 1.13	-9 23.9	1.964	2.896	9.3	21.2
5 21	16 59.85	-7 4.5	0.758	1.741	12.1	19.7	5 21	16 52.83	-9 5.0	1.921	2.899	6.3	21.0
5 31	16 44.60	-10 40.4	0.778	1.783	6.6	19.6	5 31	16 43.44	-8 54.6	1.904	2.900	4.6	20.9
6 10	16 29.91	-14 15.9	0.823	1.826	7.5	19.8	6 10	16 33.89	-8 54.4	1.915	2.901	5.9	21.0
6 20	16 17.81	-17 35.2	0.893	1.870	12.5	20.3	6 20	16 25.08	-9 5.1	1.953	2.901	8.8	21.2
6 30	16 9.60	-20 30.6	0.985	1.914	17.3	20.7	6 30	16 17.81	-9 26.8	2.015	2.901	11.9	21.4
7 10	16 5.72	-23 1.2	1.096	1.958	21.2	21.1	7 10	16 12.61	-9 58.4	2.099	2.900	14.6	21.5
356847	2011 <i>WC</i> ₇		6 2.2 100°99	0°0/ 2.2	16		168902	2000 <i>WR</i> ₁₆₆		6 2.2 254°67	1°2/ 1.9	18	
5 1	17 3.73	-22 49.8	2.294	3.163	10.9	21.5	5 1	17 8.73	-19 46.0	1.574	2.453	14.4	20.8
5 11	16 58.25	-22 36.9	2.223	3.166	7.8	21.3	5 11	17 2.69	-19 39.3	1.494	2.441	10.5	20.6
5 21	16 51.14	-22 20.4	2.177	3.169	4.4	21.1	5 21	16 54.06	-19 31.0	1.435	2.428	6.1	20.3
5 31	16 43.07	-22 0.9	2.158	3.172	0.8	20.8	5 31	16 43.71	-19 21.8	1.402	2.415	1.5	20.0
6 10	16 34.89	-21 39.8	2.168	3.174	2.9	21.0	6 10	16 32.88	-19 13.0	1.395	2.401	4.3	20.1
6 20	16 27.37	-21 18.9	2.205	3.177	6.4	21.2	6 20	16 22.88	-19 6.5	1.414	2.387	9.1	20.4
6 30	16 21.25	-21 0.5	2.267	3.180	9.6	21.4	6 30	16 14.89	-19 4.9	1.456	2.373	13.6	20.6
7 10	16 17.02	-20 46.5	2.353	3.183	12.3	21.6	7 10	16 9.70	-19 10.1	1.518	2.358	17.4	20.8
405796	2006 <i>AX</i> ₁₀₀		6 2.2 149°94	5°0/ 1.0	16		341462	2007 <i>TL</i> ₃₁₄		6 2.2 319°99	2°1/ 2.6	18	
5 1	17 9.29	-11 26.2	1.535	2.410	14.9	22.1	5 1	17 6.51	-25 56.5	1.696	2.571	13.7	20.4
5 11	17 2.75	-10 53.9	1.475	2.416	11.2	21.9	5 11	17 1.08	-26 32.0	1.616	2.560	10.2	20.1
5 21	16 53.86	-10 27.7	1.438	2.422	7.3	21.6	5 21	16 53.15	-27 3.3	1.559	2.548	6.1	19.9
5 31	16 43.58	-10 10.8	1.426	2.427	5.0	21.5	5 31	16 43.55	-27 27.9	1.527	2.538	2.4	19.6
6 10	16 33.15	-10 5.7	1.440	2.432	6.7	21.6	6 10	16 33.46	-27 44.6	1.522	2.527	4.1	19.7
6 20	16 23.76	-10 13.5	1.479	2.436	10.3	21.8	6 20	16 24.13	-27 54.1	1.542	2.517	8.3	19.9
6 30	16 16.40	-10 34.4	1.542	2.440	14.1	22.1	6 30	16 16.71	-27 58.8	1.585	2.507	12.3	20.1
7 10	16 11.69	-11 6.9	1.623	2.444	17.3	22.3	7 10	16 11.99	-28 1.8	1.650	2.498	15.9	20.3
17967	Bacampbell		6 2.2 128°96	1°2/ 1.9	18		418105	2007 <i>XJ</i> ₂₅		6 2.2 339°50	3°0/ 3.9	17	

EPHEMERIDES

6 2.2

6 2.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
380898	2006 DX_{112}		6 2.2	56°13	8°9/ 4.7	17	320632	2008 CT_{76}		6 2.2	166°28	3°0/ 2.9	17
5 1	17 12.78	-43 5.9	1.706	2.530	16.1	20.3	5 1	17 11.30	-29 7.5	1.753	2.615	14.0	21.3
5 11	17 5.91	-44 11.6	1.650	2.541	13.3	20.2	5 11	17 4.38	-29 34.8	1.684	2.618	10.5	21.1
5 21	16 55.95	-44 57.7	1.614	2.552	10.8	20.1	5 21	16 54.93	-29 53.6	1.637	2.621	6.6	20.9
5 31	16 44.05	-45 18.4	1.602	2.564	9.1	20.0	5 31	16 43.90	-30 1.4	1.616	2.623	3.3	20.7
6 10	16 31.86	-45 11.5	1.613	2.575	9.1	20.0	6 10	16 32.58	-29 57.7	1.623	2.625	4.4	20.7
6 20	16 21.00	-44 40.0	1.649	2.587	10.8	20.1	6 20	16 22.24	-29 44.3	1.655	2.627	8.2	21.0
6 30	16 12.81	-43 50.5	1.707	2.599	13.3	20.3	6 30	16 14.00	-29 25.4	1.713	2.628	12.0	21.2
7 10	16 8.01	-42 51.6	1.785	2.611	15.8	20.5	7 10	16 8.56	-29 5.3	1.791	2.629	15.3	21.4
34971	4286 T_{-2}		6 2.2	97°26	3°1/ 3.1	18	250325	2003 SH_{50}		6 2.2	196°25	1°0/ 1.9	17
5 1	17 6.90	-30 43.1	2.232	3.086	11.7	19.4	5 1	17 9.30	-21 2.6	1.966	2.833	12.5	21.6
5 11	17 0.79	-31 14.1	2.162	3.090	8.8	19.2	5 11	17 2.55	-20 36.7	1.889	2.830	9.1	21.3
5 21	16 52.73	-31 37.3	2.115	3.094	5.7	19.0	5 21	16 53.74	-20 7.0	1.836	2.827	5.2	21.1
5 31	16 43.46	-31 50.6	2.095	3.098	3.3	18.9	5 31	16 43.68	-19 34.8	1.810	2.823	1.3	20.8
6 10	16 33.97	-31 53.8	2.103	3.102	4.1	18.9	6 10	16 33.40	-19 2.2	1.813	2.818	3.6	21.0
6 20	16 25.22	-31 47.8	2.138	3.106	6.9	19.1	6 20	16 23.93	-18 31.9	1.843	2.812	7.7	21.2
6 30	16 18.06	-31 35.6	2.199	3.110	9.9	19.3	6 30	16 16.17	-18 7.0	1.899	2.805	11.4	21.4
7 10	16 13.08	-31 20.6	2.282	3.114	12.6	19.5	7 10	16 10.72	-17 49.5	1.976	2.798	14.6	21.6
395529	2011 UC_{143}		6 2.2	348°79	0°9/ 1.8	16	352708	2008 SH_{180}		6 2.2	287°07	2°6/ 1.5	18
5 1	17 3.21	-22 39.6	1.934	2.811	12.2	20.7	5 1	17 6.48	-16 5.0	1.808	2.683	13.0	21.1
5 11	16 58.14	-21 49.2	1.861	2.808	8.8	20.5	5 11	17 0.92	-15 51.0	1.711	2.655	9.6	20.8
5 21	16 51.20	-20 52.9	1.812	2.805	5.0	20.3	5 21	16 53.06	-15 38.5	1.637	2.627	5.8	20.5
5 31	16 43.18	-19 53.0	1.790	2.803	1.2	20.0	5 31	16 43.60	-15 28.8	1.589	2.598	2.7	20.3
6 10	16 35.02	-18 53.1	1.795	2.800	3.6	20.1	6 10	16 33.56	-15 23.7	1.567	2.569	4.8	20.3
6 20	16 27.67	-17 57.1	1.827	2.799	7.5	20.4	6 20	16 24.05	-15 24.9	1.572	2.540	8.9	20.5
6 30	16 21.91	-17 8.7	1.883	2.797	11.1	20.6	6 30	16 16.15	-15 34.0	1.601	2.510	13.1	20.7
7 10	16 18.29	-16 30.4	1.961	2.796	14.2	20.8	7 10	16 10.66	-15 51.7	1.651	2.480	16.7	20.9
300237	2006 YD_{45}		6 2.2	169°03	4°0/ 31.8	18	336397	2008 UV_{116}		6 2.2	250°01	2°7/ 3.1	17
5 1	17 3.34	-7 30.3	2.929	3.779	9.3	20.9	5 1	17 7.36	-29 58.8	1.888	2.750	13.1	21.1
5 11	16 57.63	-7 17.4	2.860	3.783	7.1	20.8	5 11	17 1.39	-30 4.8	1.813	2.748	9.8	20.9
5 21	16 50.71	-7 10.4	2.816	3.786	5.1	20.7	5 21	16 53.19	-30 1.3	1.761	2.745	6.2	20.7
5 31	16 43.08	-7 10.7	2.800	3.789	4.0	20.6	5 31	16 43.59	-29 46.8	1.735	2.742	3.0	20.5
6 10	16 35.35	-7 19.4	2.814	3.791	4.8	20.6	6 10	16 33.75	-29 22.2	1.736	2.740	4.0	20.6
6 20	16 28.10	-7 36.5	2.855	3.793	6.8	20.8	6 20	16 24.77	-28 50.0	1.763	2.737	7.6	20.8
6 30	16 21.87	-8 2.0	2.922	3.795	9.0	20.9	6 30	16 17.66	-28 14.3	1.815	2.734	11.2	21.0
7 10	16 17.05	-8 34.9	3.013	3.796	11.0	21.1	7 10	16 13.05	-27 39.6	1.889	2.731	14.4	21.2
480484	2015 LY_{26}		6 2.2	196°50	2°6/ 1.2	18	266853	2009 UP_{88}		6 2.2	247°67	0°0/ 2.0	18
5 1	17 3.87	-14 59.2	2.340	3.208	10.7	21.8	5 1	17 2.81	-21 53.0	2.820	3.683	9.2	20.8
5 11	16 58.32	-14 33.7	2.266	3.207	7.8	21.6	5 11	16 57.47	-21 59.8	2.736	3.676	6.7	20.6
5 21	16 51.22	-14 9.7	2.218	3.205	4.8	21.4	5 21	16 50.74	-22 4.8	2.678	3.669	3.8	20.4
5 31	16 43.19	-13 49.0	2.197	3.203	2.7	21.2	5 31	16 43.14	-22 7.9	2.648	3.661	0.7	20.2
6 10	16 35.00	-13 33.2	2.204	3.201	4.1	21.3	6 10	16 35.34	-22 9.7	2.647	3.653	2.4	20.3
6 20	16 27.43	-13 24.0	2.238	3.198	7.1	21.5	6 20	16 28.00	-22 10.7	2.675	3.646	5.5	20.5
6 30	16 21.14	-13 22.3	2.298	3.195	10.1	21.7	6 30	16 21.75	-22 12.4	2.729	3.638	8.3	20.7
7 10	16 16.64	-13 28.5	2.380	3.192	12.7	21.9	7 10	16 17.05	-22 15.9	2.807	3.630	10.7	20.8
175182	2005 EE_{176}		6 2.2	34°02	1°2/ 1.9	17	438461	2007 CC_3		6 2.2	241°06	5°1/ 31.2	18
5 1	17 6.11	-20 59.3	1.132	2.031	17.2	19.7	5 1	17 2.30	-6 8.3	2.547	3.402	10.4	21.4
5 11	17 1.05	-20 39.1	1.086	2.043	12.4	19.5	5 11	16 57.11	-5 35.0	2.471	3.393	8.1	21.2
5 21	16 53.12	-20 15.6	1.060	2.056	7.0	19.2	5 21	16 50.53	-5 8.6	2.419	3.385	6.1	21.0
5 31	16 43.54	-19 50.6	1.057	2.070	1.6	18.9	5 31	16 43.10	-4 51.6	2.394	3.376	5.1	21.0
6 10	16 33.93	-19 27.1	1.077	2.085	4.8	19.2	6 10	16 35.50	-4 45.9	2.397	3.367	6.0	21.0
6 20	16 25.75	-19 8.5	1.120	2.100	10.1	19.5	6 20	16 28.39	-4 52.3	2.426	3.358	8.2	21.1
6 30	16 20.14	-18 57.8	1.184	2.116	14.8	19.8	6 30	16 22.38	-5 10.8	2.480	3.348	10.5	21.3
7 10	16 17.71	-18 56.6	1.267	2.133	18.6	20.1	7 10	16 17.95	-5 40.3	2.555	3.338	12.7	21.4
344098	1999 SG_{18}		6 2.2	292°14	6°4/ 2.9	18	233762	2008 TL_{67}		6 2.2	243°03	1°6/ 1.7	18
5 1	17 11.69	-35 49.0	1.827	2.671	14.3	20.5	5 1	17 5.97	-18 30.8	2.055	2.926	11.8	20.9
5 11	17 5.35	-36 54.1	1.724	2.640	11.5	20.2	5 11	17 0.16	-18 13.6	1.972	2.915	8.6	20.7
5 21	16 55.93	-37 49.6	1.643	2.608	8.5	19.9	5 21	16 52.42	-17 55.5	1.913	2.904	5.0	20.4
5 31	16 44.16	-38 29.7	1.588	2.575	6.5	19.8	5 31	16 43.46	-17 37.6	1.881	2.893	1.8	20.2
6 10	16 31.35	-38 50.0	1.558	2.542	7.2	19.7	6 10	16 34.22	-17 21.6	1.877	2.881	3.8	20.3
6 20	16 19.04	-38 50.1	1.554	2.509	10.1	19.8	6 20	16 25.63	-17 9.3	1.900	2.869	7.6	20.5
6 30	16 8.76	-38 33.5	1.573	2.476	13.6	19.9	6 30	16 18.53	-17 2.6	1.949	2.856	11.1	20.7
7 10	16 1.62	-38 6.6	1.613	2.443	17.0	20.1	7 10	16 13.56	-17 2.8	2.019	2.843	14.2	20.9
183908	2004 CN_{94}		6 2.2	172°26	0°2/ 2.3	17	100549	1997 EK_{38}		6 2.2	173°15	0°6/ 1.9	18
5 1	17 9.07	-23 38.9	1.890	2.759	12.9	21.5	5 1	17 4.13	-20 44.4	2.717	3.580	9.6	20.4
5 11	17 2.44	-23 28.2	1.820	2.761	9.3	21.3	5 11	16 58.36	-20 33.5	2.643	3.583	6.9	20.2
5 21	16 53.69	-23 12.5	1.773	2.764	5.3	21.1	5 21	16 51.20	-20 20.8	2.594	3.585	3.9	20.0
5 31	16 43.66	-22 51.8	1.753	2.766	1.0	20.8	5 31	16 43.22	-20 6.7	2.574	3.587	0.9	19.8
6 10	16 33.45	-22 27.8	1.760	2.767	3.4	21.0	6 10	16 35.12	-19 52.5	2.582	3.588	2.7	19.9
6 20	16 24.12	-22 2.9	1.795	2.768	7.6	21.2	6 20	16 27.57	-19 39.4	2.620	3.589	5.7	20.1
6 30	16 16.61	-21 40.2	1.855	2.768	11.3	21.5	6 30	16 21.20	-19 28.9	2.684	3.589	8.6	20.3
7 10	16 11.51	-21 22.6	1.937	2.768	14.5	21.7	7 10	16 16.44	-19 22.4	2.772	3.589	11.0	20.5
279762	1999 FV_{83}		6 2.2	44°54	11°7/ 30.5	17	214788	2006 UC_{136}		6 2.2	302°76	1°3/ 1.8	16
5 1	17 4.41	+ 3 10.7	1.426										

EPHEMERIDES

6 2.2

6 2.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
432857	2011 <i>HH</i> ₇₆		6 2.2 14 ^o 47	4.8/	1.3 17		122221	2000 <i>ND</i> ₂₀		6 2.2 248 ^o 67	6.5/31.3 18		
5 1	17 3.84	-11 49.3	1.412	2.301	15.2	20.7	5 1	17 6.71	-4 16.7	2.082	2.933	12.5	19.6
5 11	16 59.04	-11 29.2	1.356	2.304	11.3	20.5	5 11	17 0.66	-3 47.2	1.997	2.915	10.0	19.4
5 21	16 51.91	-11 16.3	1.321	2.308	7.4	20.3	5 21	16 52.74	-3 27.5	1.936	2.898	7.6	19.2
5 31	16 43.38	-11 13.3	1.310	2.313	4.8	20.1	5 31	16 43.58	-3 21.0	1.901	2.879	6.5	19.1
6 10	16 34.67	-11 22.1	1.323	2.319	6.4	20.2	6 10	16 34.08	-3 30.0	1.892	2.860	7.5	19.1
6 20	16 26.95	-11 43.2	1.360	2.326	10.2	20.5	6 20	16 25.13	-3 54.9	1.910	2.841	10.0	19.2
6 30	16 21.23	-12 16.1	1.420	2.333	14.1	20.7	6 30	16 17.57	-4 35.2	1.952	2.821	12.9	19.4
7 10	16 18.12	-12 59.1	1.498	2.342	17.4	20.9	7 10	16 12.02	-5 28.5	2.015	2.800	15.6	19.5
19588	1999 <i>NL</i> ₁₁		6 2.2 199 ^o 76	0.5/	2.0 18		304734	2006 <i>XH</i> ₃₈		6 2.2 151 ^o 00	1.7/	1.7 18	
5 1	17 3.68	-21 5.8	2.790	3.652	9.4	19.5	5 1	17 4.05	-16 23.8	2.653	3.517	9.7	21.5
5 11	16 58.06	-20 55.3	2.709	3.649	6.7	19.3	5 11	16 58.32	-16 21.8	2.583	3.522	7.1	21.3
5 21	16 51.05	-20 42.6	2.655	3.646	3.8	19.1	5 21	16 51.21	-16 21.0	2.539	3.527	4.1	21.1
5 31	16 43.21	-20 28.4	2.629	3.642	0.8	18.8	5 31	16 43.28	-16 22.1	2.523	3.532	1.8	21.0
6 10	16 35.22	-20 13.6	2.632	3.637	2.6	19.0	6 10	16 35.23	-16 25.8	2.535	3.537	3.2	21.1
6 20	16 27.75	-19 59.7	2.663	3.633	5.6	19.2	6 20	16 27.73	-16 32.7	2.577	3.541	6.1	21.3
6 30	16 21.40	-19 48.2	2.722	3.628	8.4	19.4	6 30	16 21.39	-16 43.5	2.645	3.546	8.8	21.5
7 10	16 16.62	-19 40.4	2.804	3.622	10.9	19.5	7 10	16 16.66	-16 58.6	2.736	3.549	11.2	21.6
380642	2004 <i>XD</i> ₁₂₁		6 2.2 164 ^o 59	0.9/	1.9 18		475495	2006 <i>SH</i> ₂₆₇		6 2.2 117 ^o 57	1.1/	1.8 17	
5 1	17 6.45	-19 49.0	2.396	3.260	10.6	21.8	5 1	17 4.13	-20 51.8	2.186	3.058	11.2	21.5
5 11	17 0.16	-19 38.3	2.325	3.265	7.7	21.7	5 11	16 58.62	-20 16.7	2.117	3.061	8.1	21.3
5 21	16 52.27	-19 26.0	2.279	3.270	4.4	21.4	5 21	16 51.46	-19 38.4	2.071	3.063	4.6	21.1
5 31	16 43.44	-19 13.0	2.261	3.274	1.2	21.2	5 31	16 43.33	-18 58.7	2.053	3.066	1.3	20.9
6 10	16 34.48	-19 0.3	2.273	3.278	3.1	21.4	6 10	16 35.11	-18 19.8	2.064	3.068	3.3	21.0
6 20	16 26.18	-18 49.5	2.313	3.281	6.4	21.6	6 20	16 27.60	-17 44.5	2.101	3.071	6.9	21.3
6 30	16 19.25	-18 42.1	2.379	3.283	9.5	21.8	6 30	16 21.54	-17 15.2	2.164	3.073	10.1	21.5
7 10	16 14.18	-18 39.5	2.467	3.285	12.2	22.0	7 10	16 17.40	-16 53.6	2.250	3.075	12.9	21.7
258949	2002 <i>RK</i> ₂₁₅		6 2.2 230 ^o 94	2.2/	1.7 17		119803	2002 <i>AE</i> ₁₃₉		6 2.2 322 ^o 30	3.8/	1.5 18	
5 1	17 8.14	-16 50.4	1.756	2.631	13.4	21.1	5 1	17 6.24	-12 28.0	1.647	2.525	13.9	19.1
5 11	17 1.99	-16 42.1	1.679	2.623	9.8	20.9	5 11	17 0.66	-12 24.8	1.577	2.520	10.4	18.9
5 21	16 53.57	-16 35.1	1.624	2.615	5.8	20.6	5 21	16 52.85	-12 27.8	1.530	2.516	6.6	18.6
5 31	16 43.71	-16 30.3	1.596	2.607	2.3	20.4	5 31	16 43.62	-12 38.6	1.507	2.513	3.9	18.5
6 10	16 33.49	-16 29.2	1.595	2.598	4.4	20.5	6 10	16 34.08	-12 58.2	1.511	2.509	5.5	18.5
6 20	16 24.05	-16 33.1	1.620	2.589	8.6	20.7	6 20	16 25.36	-13 26.7	1.541	2.506	9.3	18.8
6 30	16 16.38	-16 43.3	1.669	2.579	12.6	20.9	6 30	16 18.43	-14 3.8	1.593	2.503	13.1	19.0
7 10	16 11.18	-17 0.6	1.740	2.569	16.0	21.1	7 10	16 13.97	-14 48.4	1.667	2.500	16.4	19.2
9112	Hatsulars		6 2.2 346 ^o 90	0.8/	2.0 18		377561	2005 <i>JR</i> ₁₂₇		6 2.2 326 ^o 53	6.4/30.3 17		
5 1	17 3.11	-20 19.7	1.816	2.698	12.7	17.2	5 1	17 0.41	-15 31.8	1.101	2.010	16.9	19.8
5 11	16 58.28	-20 15.7	1.743	2.692	9.2	17.0	5 11	16 57.45	-13 45.5	1.019	1.979	12.8	19.5
5 21	16 51.42	-20 10.3	1.694	2.687	5.2	16.7	5 21	16 51.49	-11 51.2	0.957	1.949	8.5	19.1
5 31	16 43.30	-20 4.0	1.669	2.682	1.2	16.4	5 31	16 43.42	-9 57.7	0.917	1.920	6.4	18.9
6 10	16 34.93	-19 58.1	1.672	2.678	3.6	16.6	6 10	16 34.67	-8 15.4	0.899	1.892	9.3	19.0
6 20	16 27.29	-19 54.0	1.700	2.675	7.7	16.8	6 20	16 26.78	-6 54.3	0.902	1.866	14.2	19.1
6 30	16 21.31	-19 53.7	1.752	2.672	11.5	17.1	6 30	16 21.21	-6 1.3	0.924	1.841	19.3	19.3
7 10	16 17.58	-19 58.5	1.826	2.670	14.7	17.3	7 10	16 18.91	-5 37.8	0.960	1.818	23.8	19.5
500907	2013 <i>NC</i> ₆		6 2.2 311 ^o 34	0.5/	2.4 17		136663	1995 <i>QL</i> ₅		6 2.2 66 ^o 15	2.7/	3.4 18	
5 1	17 5.94	-24 5.2	1.283	2.175	16.1	21.5	5 1	17 6.25	-31 34.4	2.074	2.930	12.4	20.1
5 11	17 1.29	-23 59.3	1.202	2.155	11.9	21.2	5 11	17 0.37	-31 23.3	2.003	2.934	9.3	19.9
5 21	16 53.59	-23 46.7	1.141	2.136	6.9	20.9	5 21	16 52.52	-31 1.3	1.956	2.938	5.9	19.7
5 31	16 43.77	-23 27.0	1.104	2.117	1.5	20.4	5 31	16 43.54	-30 28.1	1.936	2.942	3.1	19.5
6 10	16 33.30	-23 1.9	1.090	2.099	4.5	20.6	6 10	16 34.45	-29 45.0	1.943	2.945	3.8	19.5
6 20	16 23.77	-22 34.6	1.100	2.081	10.1	20.8	6 20	16 26.25	-28 55.5	1.976	2.949	7.0	19.7
6 30	16 16.60	-22 10.0	1.131	2.064	15.2	21.1	6 30	16 19.76	-28 3.8	2.036	2.953	10.2	20.0
7 10	16 12.75	-21 52.2	1.181	2.047	19.7	21.3	7 10	16 15.53	-27 14.4	2.118	2.957	13.2	20.2
125675	2001 <i>XB</i> ₈₁		6 2.2 243 ^o 16	4.2/	1.1 17		129683	1998 <i>RO</i> ₇₁		6 2.2 256 ^o 47	2.7/	2.9 17	
5 1	17 8.27	-13 49.0	1.503	2.384	14.9	19.7	5 1	17 7.76	-29 15.3	2.055	2.914	12.3	20.0
5 11	17 2.33	-13 15.9	1.430	2.375	11.1	19.4	5 11	17 1.69	-29 36.5	1.970	2.903	9.3	19.8
5 21	16 53.88	-12 45.9	1.378	2.366	7.0	19.2	5 21	16 53.43	-29 50.2	1.908	2.892	5.9	19.6
5 31	16 43.80	-12 22.2	1.351	2.356	4.3	19.0	5 31	16 43.75	-29 54.7	1.873	2.880	2.9	19.4
6 10	16 33.33	-12 7.7	1.350	2.347	6.2	19.1	6 10	16 33.67	-29 49.5	1.866	2.868	3.9	19.4
6 20	16 23.75	-12 4.7	1.374	2.337	10.4	19.3	6 20	16 24.29	-29 36.1	1.885	2.857	7.4	19.6
6 30	16 16.19	-12 14.4	1.420	2.326	14.5	19.5	6 30	16 16.59	-29 17.5	1.930	2.844	10.9	19.8
7 10	16 11.37	-12 36.5	1.485	2.316	18.2	19.7	7 10	16 11.26	-28 57.7	1.996	2.832	14.0	20.0
351507	2005 <i>RK</i> ₂₉		6 2.2 187 ^o 71	4.0/	3.7 17		37096	2000 <i>UY</i> ₈₉		6 2.2 308 ^o 20	3.6/	1.3 18	
5 1	17 6.93	-34 41.6	2.371	3.212	11.5	20.8	5 1	17 3.66	-11 32.0	2.140	3.009	11.5	18.7
5 11	17 0.82	-35 3.3	2.295	3.212	8.9	20.6	5 11	16 58.38	-11 23.1	2.065	3.004	8.6	18.5
5 21	16 52.78	-35 14.5	2.242	3.212	6.2	20.5	5 21	16 51.39	-11 19.4	2.015	2.998	5.6	18.3
5 31	16 43.57	-35 13.3	2.217	3.211	4.2	20.3	5 31	16 43.35	-11 22.5	1.991	2.993	3.7	18.1
6 10	16 34.14	-34 59.6	2.218	3.211	4.6	20.4	6 10	16 35.09	-11 33.5	1.994	2.987	4.9	18.2
6 20	16 25.44	-34 35.0	2.247	3.210	6.9	20.5	6 20	16 27.43	-11 52.9	2.024	2.982	7.9	18.4
6 30	16 18.31	-34 3.0	2.302	3.209	9.7	20.7	6 30	16 21.12	-12 20.5	2.079	2.977	11.0	18.5
7 10	16 13.35	-33 27.9	2.379	3.208	12.2	20.8	7 10	16 16.71	-12 55.8	2.156	2.972	13.7	18.7
175553	2006 <i>SB</i> ₃₂₅		6 2.2 109 ^o										

EPHEMERIDES

6 2.2

6 2.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
417997	2007 <i>TC</i> ₃₇₈		6 2.2 296°55	1.5°/ 1.9	17		324998	2008 <i>BA</i> ₂₆		6 2.3 204°71	0.4°/ 2.1	17	
5 1	17 7.52	-19 24.4	1.312	2.202	16.0	21.0	5 1	17 9.45	-22 2.4	1.897	2.766	12.8	22.4
5 11	17 2.46	-19 18.6	1.225	2.177	11.8	20.6	5 11	17 2.84	-21 49.6	1.819	2.761	9.3	22.1
5 21	16 54.32	-19 11.8	1.159	2.153	6.9	20.3	5 21	16 54.06	-21 32.9	1.765	2.756	5.3	21.9
5 31	16 43.97	-19 4.7	1.116	2.129	1.9	19.9	5 31	16 43.91	-21 12.7	1.737	2.750	1.0	21.6
6 10	16 32.82	-18 58.9	1.098	2.104	5.0	20.0	6 10	16 33.49	-20 50.6	1.737	2.744	3.5	21.7
6 20	16 22.42	-18 56.5	1.103	2.080	10.6	20.3	6 20	16 23.88	-20 28.9	1.765	2.737	7.8	22.0
6 30	16 14.28	-19 0.4	1.130	2.056	15.8	20.5	6 30	16 16.02	-20 10.5	1.818	2.729	11.6	22.2
7 10	16 9.41	-19 12.6	1.174	2.033	20.3	20.7	7 10	16 10.57	-19 57.8	1.892	2.721	14.9	22.4
374417	2005 <i>WR</i> ₆₂		6 2.2 244°18	2°3/ 1.6	18		504467	2008 <i>DR</i> ₅₀		6 2.3 57°66	3°8/ 1.7	17	
5 1	17 7.37	-16 30.9	2.035	2.904	12.0	21.8	5 1	17 6.30	-9 55.3	2.019	2.884	12.3	20.6
5 11	17 1.26	-16 15.1	1.947	2.888	8.8	21.5	5 11	17 0.19	-10 8.9	1.966	2.901	9.2	20.4
5 21	16 53.14	-16 0.1	1.883	2.872	5.3	21.3	5 21	16 52.37	-10 30.0	1.937	2.918	6.0	20.2
5 31	16 43.70	-15 47.1	1.846	2.855	2.4	21.1	5 31	16 43.58	-10 59.2	1.935	2.936	3.9	20.1
6 10	16 33.90	-15 37.7	1.837	2.838	4.2	21.2	6 10	16 34.72	-11 36.2	1.960	2.954	5.0	20.2
6 20	16 24.69	-15 33.5	1.855	2.820	8.0	21.4	6 20	16 26.65	-12 20.3	2.013	2.972	7.9	20.4
6 30	16 16.99	-15 35.9	1.898	2.802	11.6	21.5	6 30	16 20.10	-13 10.2	2.091	2.990	10.9	20.7
7 10	16 11.46	-15 45.8	1.963	2.783	14.8	21.7	7 10	16 15.58	-14 4.7	2.191	3.008	13.5	20.9
427140	2014 <i>UR</i> ₁₃₅		6 2.2 150°00	0°1/ 2.2	17		308518	2005 <i>UC</i> ₄₇		6 2.3 359°34	2°7/ 2.6	17	
5 1	17 9.64	-23 2.9	1.784	2.654	13.4	21.9	5 1	17 7.88	-27 14.2	2.033	2.896	12.3	20.0
5 11	17 2.93	-22 44.5	1.718	2.661	9.7	21.6	5 11	17 1.79	-28 11.7	1.959	2.895	9.2	19.8
5 21	16 54.04	-22 21.0	1.677	2.668	5.5	21.4	5 21	16 53.53	-29 5.2	1.910	2.894	5.7	19.6
5 31	16 43.87	-21 53.2	1.662	2.675	1.0	21.1	5 31	16 43.83	-29 51.3	1.887	2.894	2.9	19.4
6 10	16 33.57	-21 23.0	1.674	2.681	3.5	21.3	6 10	16 33.75	-30 28.3	1.892	2.894	4.0	19.5
6 20	16 24.27	-20 53.4	1.713	2.686	7.8	21.6	6 20	16 24.34	-30 55.8	1.925	2.894	7.4	19.7
6 30	16 16.87	-20 27.7	1.777	2.691	11.7	21.8	6 30	16 16.60	-31 15.5	1.982	2.895	10.7	19.9
7 10	16 11.98	-20 8.6	1.862	2.695	15.0	22.0	7 10	16 11.21	-31 30.3	2.062	2.896	13.7	20.1
139917	2001 <i>RM</i> ₁₁₈		6 2.2 345°79	0°8/ 2.5	18		367481	2009 <i>FM</i> ₈		6 2.3 326°95	2°0/ 1.9	17	
5 1	17 5.30	-24 33.9	1.929	2.801	12.4	19.8	5 1	17 3.64	-18 44.8	1.112	2.016	17.1	20.2
5 11	16 59.82	-24 36.2	1.856	2.800	9.1	19.6	5 11	16 59.89	-18 37.5	1.036	1.996	12.6	19.8
5 21	16 52.31	-24 33.6	1.807	2.798	5.2	19.4	5 21	16 52.96	-18 30.3	0.980	1.976	7.4	19.5
5 31	16 43.56	-24 25.8	1.784	2.797	1.3	19.1	5 31	16 43.79	-18 24.7	0.946	1.958	2.3	19.1
6 10	16 34.57	-24 13.8	1.789	2.796	3.3	19.2	6 10	16 33.88	-18 22.6	0.933	1.941	5.4	19.2
6 20	16 26.36	-23 59.3	1.819	2.795	7.2	19.5	6 20	16 24.92	-18 26.2	0.943	1.924	11.2	19.5
6 30	16 19.82	-23 45.2	1.875	2.794	10.9	19.7	6 30	16 18.43	-18 38.0	0.972	1.909	16.6	19.7
7 10	16 15.55	-23 33.8	1.952	2.793	14.0	19.9	7 10	16 15.43	-18 59.2	1.018	1.896	21.3	20.0
290080	2005 <i>QA</i> ₈₉		6 2.2 259°58	4°9/ 30.9	18		168938	2000 <i>YS</i> ₁₀₇		6 2.3 135°06	1°1/ 2.6	18	
5 1	17 2.51	-8 39.5	2.407	3.269	10.7	21.4	5 1	17 11.21	-25 34.6	1.774	2.639	13.7	20.9
5 11	16 57.40	-7 48.2	2.326	3.256	8.2	21.2	5 11	17 4.11	-25 33.5	1.712	2.652	10.0	20.7
5 21	16 50.80	-7 1.4	2.271	3.243	6.0	21.0	5 21	16 54.73	-25 25.7	1.674	2.663	5.8	20.5
5 31	16 43.27	-6 22.5	2.242	3.230	4.9	20.9	5 31	16 44.04	-25 10.8	1.662	2.675	1.6	20.2
6 10	16 35.55	-5 54.0	2.241	3.216	6.0	21.0	6 10	16 33.25	-24 49.9	1.678	2.685	3.5	20.4
6 20	16 28.34	-5 37.9	2.267	3.203	8.4	21.1	6 20	16 23.51	-24 25.6	1.721	2.695	7.7	20.7
6 30	16 22.30	-5 34.9	2.317	3.189	11.0	21.2	6 30	16 15.79	-24 1.7	1.789	2.704	11.5	20.9
7 10	16 17.92	-5 44.4	2.388	3.175	13.4	21.4	7 10	16 10.68	-23 41.5	1.878	2.713	14.8	21.2
155325	2006 <i>AG</i> ₈₆		6 2.2 282°47	3°6/ 31.6	18		308179	2005 <i>CS</i> ₂₇		6 2.3 148°30	1°8/ 1.8	17	
5 1	17 5.71	-17 9.9	1.687	2.568	13.5	18.8	5 1	17 9.49	-18 1.0	1.631	2.507	14.1	20.6
5 11	17 0.30	-15 53.4	1.606	2.553	10.0	18.5	5 11	17 3.00	-17 52.8	1.567	2.513	10.3	20.3
5 21	16 52.66	-14 33.1	1.548	2.538	6.1	18.2	5 21	16 54.17	-17 44.9	1.526	2.518	5.9	20.1
5 31	16 43.64	-13 13.4	1.516	2.522	3.6	18.1	5 31	16 43.95	-17 38.2	1.511	2.523	2.0	19.8
6 10	16 34.31	-11 59.8	1.511	2.507	5.8	18.2	6 10	16 33.52	-17 34.0	1.523	2.527	4.3	20.0
6 20	16 25.78	-10 57.5	1.532	2.492	9.8	18.3	6 20	16 24.07	-17 33.9	1.560	2.531	8.7	20.3
6 30	16 19.03	-10 10.3	1.576	2.477	13.7	18.5	6 30	16 16.61	-17 39.5	1.622	2.535	12.7	20.5
7 10	16 14.72	-9 40.1	1.640	2.462	17.1	18.7	7 10	16 11.77	-17 51.9	1.704	2.538	16.1	20.8
57481	2001 <i>ST</i> ₁₅₃		6 2.3 137°73	2°3/ 2.9	18		33622	Sedigh		6 2.3 265°35	1°4/ 2.5	18	
5 1	17 9.84	-28 54.2	1.967	2.826	12.8	19.4	5 1	17 8.78	-24 40.2	1.773	2.644	13.4	18.7
5 11	17 3.03	-29 4.0	1.902	2.835	9.5	19.2	5 11	17 2.68	-25 9.2	1.693	2.635	9.9	18.5
5 21	16 54.09	-29 5.4	1.860	2.844	5.9	19.0	5 21	16 54.14	-25 34.6	1.635	2.625	5.8	18.2
5 31	16 43.90	-28 57.1	1.845	2.853	2.7	18.8	5 31	16 43.97	-25 54.4	1.603	2.615	1.9	17.9
6 10	16 33.56	-28 39.7	1.857	2.861	3.7	18.9	6 10	16 33.34	-26 8.0	1.599	2.605	3.7	18.0
6 20	16 24.15	-28 15.6	1.897	2.869	7.3	19.1	6 20	16 23.45	-26 15.8	1.621	2.595	8.0	18.3
6 30	16 16.61	-27 48.4	1.962	2.876	10.7	19.3	6 30	16 15.42	-26 20.3	1.667	2.585	12.1	18.5
7 10	16 11.50	-27 22.0	2.049	2.883	13.7	19.5	7 10	16 10.02	-26 24.4	1.734	2.575	15.5	18.7
307012	2001 <i>XN</i> ₆₁		6 2.3 274°72	2°2/ 1.7	18		214438	2005 <i>QF</i> ₁₁₅		6 2.3 261°83	5°1/ 30.9	18	
5 1	17 7.19	-17 10.2	1.779	2.655	13.2	20.3	5 1	17 2.52	-8 14.9	2.350	3.212	10.9	20.3
5 11	17 1.46	-16 59.3	1.689	2.634	9.7	20.1	5 11	16 57.44	-7 24.7	2.272	3.201	8.4	20.1
5 21	16 53.43	-16 49.1	1.621	2.612	5.7	19.8	5 21	16 50.85	-6 39.6	2.219	3.190	6.1	19.9
5 31	16 43.82	-16 40.8	1.580	2.591	2.3	19.5	5 31	16 43.33	-6 2.9	2.192	3.178	5.1	19.8
6 10	16 33.70	-16 35.8	1.565	2.569	4.5	19.6	6 10	16 35.61	-5 37.3	2.192	3.167	6.2	19.9
6 20	16 24.20	-16 35.9	1.577	2.546	8.7	19.8	6 20	16 28.42	-5 24.5	2.219	3.155	8.6	20.0
6 30	16 16.39	-16 42.5	1.613	2.524	12.8	20.0	6 30	16 22.43	-5 25.1	2.271	3.144	11.2	20.2
7 10	16 11.03	-16 56.9	1.669	2.501	16.4	20.2	7 10	16 18.15	-5 38.5	2.343	3.132	13.6	20.3
176418	2001 <i>VF</i> ₁₅		6 2.3 206°95	1°7/ 2.9	18		212443	2006 <i>PA</i> ₂₄		6 2.3 325°53	0°7/		

EPHEMERIDES

6 2.3

6 2.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
385013	2012 <i>TC</i> ₂₄₆		6 2.3 256°12	3°7/	1.0 18		517202	2013 <i>VE</i> ₂₆		6 2.3 211°25	2°6/	1.5 17	
5 1	17 4.98	-13 25.4	1.948	2.821	12.3	20.9	5 1	17 6.01	-15 19.2	2.145	3.014	11.5	21.5
5 11	16 59.51	-12 52.5	1.872	2.813	9.2	20.7	5 11	17 0.11	-15 1.6	2.069	3.009	8.5	21.3
5 21	16 52.15	-12 22.3	1.819	2.805	5.9	20.5	5 21	16 52.44	-14 45.7	2.016	3.004	5.1	21.0
5 31	16 43.61	-11 57.5	1.793	2.796	3.7	20.4	5 31	16 43.68	-14 32.9	1.991	2.999	2.6	20.9
6 10	16 34.82	-11 40.4	1.794	2.788	5.3	20.4	6 10	16 34.69	-14 24.9	1.994	2.993	4.2	21.0
6 20	16 26.71	-11 32.8	1.821	2.779	8.6	20.6	6 20	16 26.34	-14 23.0	2.024	2.987	7.6	21.2
6 30	16 20.11	-11 35.9	1.872	2.770	12.0	20.8	6 30	16 19.42	-14 28.1	2.080	2.981	10.9	21.3
7 10	16 15.61	-11 49.5	1.944	2.762	15.0	21.0	7 10	16 14.48	-14 40.8	2.157	2.974	13.7	21.5
480650	2015 <i>OB</i> ₇		6 2.3 340°93	0°8/	1.9 16		422678	1999 <i>VP</i> ₂₁₅		6 2.3 105°40	4°2/	3.5 17	
5 1	17 3.41	-21 51.5	2.142	3.015	11.4	21.1	5 1	17 10.37	-33 12.6	2.004	2.853	13.1	21.5
5 11	16 58.24	-21 19.4	2.068	3.013	8.2	20.8	5 11	17 3.52	-33 45.1	1.943	2.866	10.0	21.3
5 21	16 51.35	-20 43.3	2.019	3.011	4.6	20.6	5 21	16 54.45	-34 6.8	1.905	2.879	6.8	21.1
5 31	16 43.46	-20 4.8	1.996	3.009	1.1	20.4	5 31	16 44.05	-34 15.0	1.894	2.892	4.4	21.0
6 10	16 35.42	-19 26.2	2.002	3.007	3.2	20.5	6 10	16 33.50	-34 9.4	1.909	2.904	4.9	21.0
6 20	16 28.07	-18 50.1	2.034	3.006	6.9	20.7	6 20	16 23.91	-33 51.9	1.951	2.917	7.7	21.2
6 30	16 22.18	-18 19.3	2.092	3.004	10.2	20.9	6 30	16 16.24	-33 26.5	2.019	2.929	10.7	21.4
7 10	16 18.24	-17 55.8	2.171	3.003	13.1	21.1	7 10	16 11.10	-32 58.0	2.108	2.940	13.5	21.6
151053	2001 <i>VS</i> ₆		6 2.3 317°25	0°7/	2.1 18		219560	2001 <i>SX</i>		6 2.3 221°25	3°5/	31.9 18	
5 1	17 5.96	-22 2.5	1.525	2.409	14.5	19.2	5 1	17 6.68	-14 33.1	1.997	2.867	12.2	20.7
5 11	17 0.74	-21 40.3	1.452	2.402	10.5	19.0	5 11	17 0.70	-13 49.6	1.919	2.859	9.0	20.5
5 21	16 53.05	-21 13.3	1.401	2.395	6.0	18.7	5 21	16 52.82	-13 7.1	1.865	2.851	5.7	20.3
5 31	16 43.80	-20 42.7	1.375	2.388	1.2	18.4	5 31	16 43.76	-12 28.4	1.838	2.842	3.5	20.1
6 10	16 34.23	-20 11.1	1.374	2.381	4.1	18.5	6 10	16 34.46	-11 56.3	1.838	2.833	5.1	20.2
6 20	16 25.59	-19 41.7	1.399	2.375	8.9	18.8	6 20	16 25.86	-11 33.5	1.866	2.823	8.5	20.4
6 30	16 18.97	-19 18.2	1.446	2.369	13.2	19.0	6 30	16 18.79	-11 21.6	1.918	2.813	11.9	20.6
7 10	16 15.08	-19 3.1	1.514	2.364	17.0	19.3	7 10	16 13.83	-11 21.1	1.991	2.802	14.9	20.8
250364	2003 <i>SY</i> ₃₀₆		6 2.3 65°31	5°6/	3.9 17		7016	Conandoyle		6 2.3 96°82	0°9/	2.0 18 R	
5 1	17 11.55	-34 38.4	1.373	2.237	17.0	19.9	5 1	17 11.26	-22 4.5	1.441	2.320	15.5	17.6
5 11	17 5.16	-35 3.2	1.317	2.247	13.1	19.7	5 11	17 4.31	-21 33.1	1.392	2.339	11.1	17.4
5 21	16 55.65	-35 11.6	1.280	2.256	9.1	19.5	5 21	16 54.89	-20 56.8	1.365	2.358	6.3	17.1
5 31	16 44.28	-34 59.8	1.267	2.266	5.9	19.4	5 31	16 44.12	-20 17.3	1.363	2.376	1.4	16.8
6 10	16 32.73	-34 28.2	1.278	2.276	6.4	19.4	6 10	16 33.41	-19 38.1	1.388	2.394	4.2	17.1
6 20	16 22.64	-33 41.1	1.314	2.285	9.9	19.6	6 20	16 24.04	-19 2.8	1.438	2.412	8.9	17.4
6 30	16 15.29	-32 46.0	1.372	2.295	13.8	19.9	6 30	16 16.99	-18 35.0	1.511	2.429	13.1	17.7
7 10	16 11.36	-31 50.5	1.449	2.305	17.3	20.1	7 10	16 12.81	-18 17.1	1.605	2.446	16.6	18.0
509759	2008 <i>TQ</i> ₁₈₀		6 2.3 271°59	2°6/	3.3 18		198718	2005 <i>CC</i> ₆₄		6 2.3 181°46	0°3/	2.2 18	
5 1	17 9.37	-30 55.5	2.063	2.916	12.5	22.5	5 1	17 6.81	-21 28.9	2.259	3.124	11.2	20.8
5 11	17 3.00	-30 44.8	1.959	2.888	9.5	22.3	5 11	17 0.65	-21 29.4	2.184	3.125	8.1	20.6
5 21	16 54.31	-30 23.0	1.878	2.860	6.1	22.0	5 21	16 52.74	-21 27.6	2.134	3.125	4.6	20.4
5 31	16 44.05	-29 48.5	1.825	2.832	3.0	21.8	5 31	16 43.75	-21 23.7	2.112	3.125	0.9	20.1
6 10	16 33.31	-29 2.2	1.799	2.802	3.9	21.8	6 10	16 34.56	-21 18.4	2.118	3.124	3.0	20.3
6 20	16 23.21	-28 7.2	1.800	2.772	7.6	21.9	6 20	16 26.04	-21 12.9	2.152	3.124	6.6	20.5
6 30	16 14.83	-27 8.2	1.828	2.742	11.4	22.1	6 30	16 18.96	-21 9.0	2.212	3.122	9.9	20.7
7 10	16 8.90	-26 10.7	1.877	2.711	14.8	22.3	7 10	16 13.86	-21 8.5	2.295	3.121	12.7	20.9
499847	2011 <i>EE</i> ₂₇		6 2.3 39°53	6°8/	31.4 17		203328	2001 <i>TS</i> ₁₇₅		6 2.3 319°03	0°5/	2.1 17	
5 1	17 4.54	-7 42.9	1.526	2.404	14.8	20.9	5 1	17 7.32	-23 10.8	1.212	2.105	16.8	19.9
5 11	16 59.37	-6 50.4	1.475	2.412	11.5	20.7	5 11	17 2.25	-22 40.8	1.144	2.098	12.3	19.6
5 21	16 52.09	-6 7.6	1.446	2.421	8.3	20.5	5 21	16 54.13	-22 3.0	1.096	2.091	7.0	19.3
5 31	16 43.59	-5 39.1	1.440	2.430	6.8	20.4	5 31	16 44.05	-21 19.0	1.071	2.085	1.4	18.9
6 10	16 35.02	-5 28.0	1.460	2.439	8.1	20.5	6 10	16 33.59	-20 32.6	1.070	2.078	4.7	19.1
6 20	16 27.41	-5 35.3	1.503	2.449	11.1	20.7	6 20	16 24.31	-19 48.7	1.093	2.073	10.3	19.4
6 30	16 21.66	-6 0.0	1.568	2.459	14.3	20.9	6 30	16 17.55	-19 12.8	1.137	2.067	15.4	19.7
7 10	16 18.31	-6 39.6	1.651	2.469	17.2	21.2	7 10	16 14.10	-18 48.4	1.198	2.062	19.6	20.0
59937	1999 <i>RH</i> ₁₈₉		6 2.3 276°55	4°3/	31.4 18		40079	1998 <i>MD</i> ₉		6 2.3 226°13	6°5/	30.8 18	
5 1	17 2.50	-10 30.6	2.291	3.158	11.0	19.9	5 1	17 4.95	-4 9.0	2.208	3.059	11.9	18.7
5 11	16 57.49	-9 48.5	2.213	3.147	8.3	19.7	5 11	16 59.28	-3 23.1	2.134	3.051	9.5	18.5
5 21	16 50.91	-9 10.4	2.159	3.137	5.7	19.5	5 21	16 51.96	-2 46.1	2.083	3.042	7.4	18.3
5 31	16 43.38	-8 39.1	2.131	3.126	4.3	19.4	5 31	16 43.62	-2 21.4	2.058	3.032	6.5	18.3
6 10	16 35.65	-8 17.2	2.131	3.115	5.6	19.5	6 10	16 35.05	-2 11.8	2.060	3.022	7.5	18.3
6 20	16 28.46	-8 6.2	2.158	3.105	8.2	19.6	6 20	16 27.07	-2 18.2	2.088	3.011	9.7	18.4
6 30	16 22.51	-8 7.0	2.209	3.094	11.0	19.8	6 30	16 20.39	-2 40.3	2.140	3.000	12.3	18.6
7 10	16 18.31	-8 19.2	2.282	3.083	13.5	19.9	7 10	16 15.56	-3 16.3	2.212	2.989	14.6	18.7
385033	2012 <i>TV</i> ₃₀₅		6 2.3 262°32	3°1/	3.2 17		488497	2000 <i>QM</i> ₂₀		6 2.3 233°11	2°3/	3.1 18	
5 1	17 7.59	-30 42.4	1.922	2.782	13.0	20.9	5 1	17 9.63	-29 55.1	2.508	3.354	10.8	22.5
5 11	17 1.65	-30 53.8	1.846	2.778	9.8	20.7	5 11	17 2.78	-30 1.6	2.411	3.337	8.2	22.3
5 21	16 53.46	-30 55.6	1.793	2.775	6.3	20.5	5 21	16 54.03	-30 0.3	2.338	3.319	5.2	22.1
5 31	16 43.87	-30 46.0	1.765	2.771	3.4	20.3	5 31	16 44.02	-29 49.9	2.294	3.300	2.6	21.9
6 10	16 34.00	-30 25.4	1.765	2.767	4.2	20.3	6 10	16 33.66	-29 30.5	2.278	3.280	3.4	21.9
6 20	16 24.98	-29 56.2	1.791	2.763	7.6	20.5	6 20	16 23.87	-29 3.7	2.292	3.260	6.5	22.1
6 30	16 17.79	-29 22.3	1.841	2.759	11.1	20.7	6 30	16 15.50	-28 32.8	2.332	3.239	9.6	22.2
7 10	16 13.08	-28 48.3	1.914	2.755	14.3	20.9	7 10	16 9.17	-28 1.2	2.396	3.217	12.4	22.4
300404	2007 <i>RH</i> ₂₇₁		6 2.3 160°91	1°5/	1.6 18		46695	1997 <i>CX</i> ₁₃		6 2.3 358°95	3°6/	1.6 18	

EPHEMERIDES

6 2.3

6 2.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
206898	2004 <i>HJ</i> ₃₀		6 2.3 42°33	0°9/ 2.6 17			518395	2017 <i>UV</i> ₁₃		6 2.3 179°23	3°5/31.8 17		
5 1	17 5.60	-24 46.8	1.850	2.724	12.8	20.0	5 1	17 6.29	-13 41.4	2.233	3.098	11.3	21.9
5 11	17 0.06	-24 52.8	1.790	2.733	9.3	19.8	5 11	17 0.18	-12 52.8	2.163	3.100	8.4	21.7
5 21	16 52.48	-24 53.7	1.752	2.743	5.4	19.6	5 21	16 52.44	-12 5.9	2.117	3.101	5.4	21.5
5 31	16 43.71	-24 49.3	1.741	2.753	1.4	19.3	5 31	16 43.75	-11 23.3	2.100	3.101	3.5	21.4
6 10	16 34.82	-24 40.3	1.757	2.764	3.3	19.5	6 10	16 34.94	-10 47.9	2.110	3.101	5.0	21.5
6 20	16 26.81	-24 28.6	1.799	2.775	7.3	19.7	6 20	16 26.81	-10 21.9	2.148	3.101	7.9	21.7
6 30	16 20.55	-24 16.8	1.865	2.786	10.9	20.0	6 30	16 20.07	-10 6.6	2.212	3.099	10.9	21.9
7 10	16 16.61	-24 7.5	1.953	2.797	13.9	20.2	7 10	16 15.22	-10 2.5	2.297	3.098	13.5	22.0
140914	2001 <i>VH</i> ₆₀		6 2.3 200°49	3°3/ 3.1 18			19287	Paronelli		6 2.3 221°08	5°2/31.2 18		
5 1	17 7.87	-31 4.0	2.240	3.092	11.8	19.8	5 1	17 2.65	-5 30.1	2.606	3.457	10.3	18.5
5 11	17 1.66	-31 40.5	2.164	3.091	8.9	19.6	5 11	16 57.43	-4 56.7	2.532	3.452	8.1	18.4
5 21	16 53.43	-32 9.4	2.112	3.090	5.9	19.4	5 21	16 50.86	-4 30.4	2.483	3.446	6.1	18.2
5 31	16 43.91	-32 28.1	2.087	3.089	3.5	19.3	5 31	16 43.47	-4 13.9	2.461	3.440	5.2	18.2
6 10	16 34.09	-32 36.0	2.090	3.088	4.2	19.3	6 10	16 35.92	-4 8.8	2.466	3.434	6.1	18.2
6 20	16 24.95	-32 34.0	2.120	3.087	7.0	19.5	6 20	16 28.87	-4 16.0	2.498	3.427	8.1	18.3
6 30	16 17.40	-32 24.7	2.176	3.086	10.0	19.7	6 30	16 22.90	-4 35.2	2.555	3.421	10.4	18.5
7 10	16 12.08	-32 11.8	2.254	3.084	12.8	19.9	7 10	16 18.47	-5 5.3	2.634	3.414	12.5	18.6
203181	2001 <i>BJ</i> ₂₄		6 2.3 45°13	3°6/ 1.5 17			219548	2001 <i>RA</i> ₆₆		6 2.3 201°70	5°5/30.8 18		
5 1	17 7.21	-15 4.1	1.316	2.205	16.0	19.4	5 1	17 6.22	-9 59.2	1.943	2.810	12.6	20.6
5 11	17 1.68	-14 41.6	1.262	2.212	11.7	19.1	5 11	17 0.35	-8 47.3	1.874	2.807	9.7	20.4
5 21	16 53.58	-14 22.6	1.229	2.220	7.1	18.9	5 21	16 52.63	-7 39.3	1.829	2.804	6.9	20.3
5 31	16 43.94	-14 9.8	1.220	2.228	3.7	18.7	5 31	16 43.81	-6 39.9	1.810	2.800	5.6	20.2
6 10	16 34.14	-14 5.4	1.235	2.237	5.8	18.9	6 10	16 34.82	-5 53.2	1.819	2.796	7.0	20.2
6 20	16 25.51	-14 10.9	1.275	2.245	10.2	19.1	6 20	16 26.58	-5 22.0	1.853	2.792	9.8	20.4
6 30	16 19.12	-14 27.0	1.336	2.254	14.4	19.4	6 30	16 19.88	-5 7.5	1.911	2.787	12.8	20.6
7 10	16 15.62	-14 53.2	1.416	2.263	18.0	19.7	7 10	16 15.27	-5 9.1	1.990	2.782	15.6	20.8
263333	2008 <i>CA</i> ₇₄		6 2.3 68°39	8°5/30.4 18			150132	1995 <i>DK</i> ₉		6 2.3 149°51	3°9/ 1.1 17		
5 1	17 2.75	+ 2 44.4	2.213	3.046	12.5	20.2	5 1	17 7.30	-12 18.4	1.986	2.853	12.4	21.6
5 11	16 57.59	+ 3 32.9	2.159	3.052	10.6	20.1	5 11	17 1.04	-11 47.2	1.924	2.861	9.2	21.4
5 21	16 50.93	+ 4 7.1	2.128	3.057	9.0	20.0	5 21	16 52.98	-11 19.9	1.885	2.868	6.0	21.2
5 31	16 43.42	+ 4 23.2	2.121	3.063	8.5	19.9	5 31	16 43.87	-10 59.1	1.873	2.875	4.0	21.1
6 10	16 35.83	+ 4 19.2	2.139	3.068	9.2	20.0	6 10	16 34.64	-10 46.8	1.889	2.881	5.3	21.2
6 20	16 28.88	+ 3 55.2	2.182	3.074	10.8	20.1	6 20	16 26.21	-10 44.4	1.932	2.886	8.5	21.4
6 30	16 23.22	+ 3 12.9	2.246	3.079	12.7	20.3	6 30	16 19.34	-10 52.3	1.999	2.892	11.6	21.6
7 10	16 19.31	+ 2 15.5	2.331	3.085	14.6	20.4	7 10	16 14.57	-11 10.3	2.087	2.896	14.4	21.8
357382	2003 <i>UD</i> ₂₆		6 2.3 233°94	1°9/ 1.5 18			24264	1999 <i>XL</i> ₁₄₃		6 2.3 137°40	4°4/31.7 18		
5 1	17 5.70	-18 1.8	2.390	3.255	10.6	21.5	5 1	17 5.27	-10 33.2	2.156	3.020	11.6	18.8
5 11	16 59.81	-17 29.0	2.302	3.242	7.7	21.3	5 11	16 59.45	-9 53.5	2.095	3.028	8.8	18.6
5 21	16 52.27	-16 54.7	2.239	3.228	4.6	21.1	5 21	16 52.03	-9 18.7	2.058	3.036	6.0	18.4
5 31	16 43.69	-16 20.5	2.204	3.214	1.9	20.9	5 31	16 43.68	-8 51.4	2.048	3.044	4.4	18.4
6 10	16 34.88	-15 48.6	2.198	3.199	3.7	21.0	6 10	16 35.26	-8 34.0	2.066	3.051	5.6	18.4
6 20	16 26.62	-15 21.2	2.220	3.183	7.0	21.2	6 20	16 27.54	-8 27.8	2.110	3.058	8.3	18.6
6 30	16 19.64	-15 0.3	2.268	3.167	10.1	21.3	6 30	16 21.23	-8 33.0	2.179	3.064	11.1	18.8
7 10	16 14.49	-14 47.4	2.338	3.151	12.9	21.5	7 10	16 16.81	-8 49.2	2.270	3.070	13.6	19.0
323389	2003 <i>YG</i> ₉₃		6 2.3 208°39	0°4/ 2.2 17			432403	2009 <i>YH</i> ₂₂		6 2.3 141°87	4°7/ 1.3 17		
5 1	17 9.82	-20 56.6	1.807	2.678	13.3	21.6	5 1	17 7.26	-8 18.5	2.088	2.947	12.2	21.5
5 11	17 3.28	-21 1.3	1.730	2.673	9.7	21.4	5 11	17 0.95	-8 8.2	2.025	2.955	9.3	21.3
5 21	16 54.44	-21 4.2	1.677	2.668	5.5	21.1	5 21	16 52.91	-8 5.7	1.987	2.962	6.4	21.1
5 31	16 44.12	-21 4.9	1.650	2.663	1.1	20.8	5 31	16 43.86	-8 12.8	1.975	2.969	4.7	21.0
6 10	16 33.46	-21 4.0	1.650	2.657	3.6	21.0	6 10	16 34.67	-8 30.4	1.991	2.976	5.8	21.1
6 20	16 23.61	-21 3.0	1.678	2.650	8.0	21.2	6 20	16 26.22	-8 58.4	2.034	2.982	8.5	21.3
6 30	16 15.57	-21 3.9	1.730	2.643	12.0	21.4	6 30	16 19.24	-9 36.1	2.102	2.988	11.4	21.5
7 10	16 10.05	-21 8.8	1.803	2.636	15.4	21.6	7 10	16 14.25	-10 22.0	2.191	2.994	14.0	21.7
244974	2004 <i>BA</i> ₄₅		6 2.3 115°92	20°3/ 3.2 18			470003	2006 <i>LK</i> ₃		6 2.3 305°68	5°4/30.8 16		
5 1	17 14.85	+19 23.8	1.139	1.925	24.5	19.8	5 1	17 3.53	-12 17.2	1.721	2.601	13.3	21.0
5 11	17 7.38	+20 18.5	1.101	1.933	22.7	19.7	5 11	16 58.82	-11 1.5	1.634	2.577	10.1	20.8
5 21	16 56.85	+20 29.1	1.078	1.940	21.1	19.6	5 21	16 51.97	-9 46.2	1.571	2.553	7.0	20.5
5 31	16 44.56	+19 46.2	1.070	1.947	20.3	19.6	5 31	16 43.72	-8 36.6	1.532	2.529	5.4	20.4
6 10	16 32.21	+18 8.1	1.080	1.954	20.5	19.6	6 10	16 35.06	-7 38.0	1.520	2.506	7.2	20.4
6 20	16 21.41	+15 41.0	1.107	1.960	21.6	19.7	6 20	16 27.04	-6 54.7	1.532	2.482	10.6	20.6
6 30	16 13.39	+12 36.7	1.153	1.966	23.4	19.9	6 30	16 20.64	-6 29.5	1.567	2.459	14.3	20.7
7 10	16 8.79	+ 9 9.8	1.214	1.972	25.3	20.1	7 10	16 16.54	-6 22.5	1.621	2.436	17.6	20.9
316944	2001 <i>DQ</i> ₅		6 2.3 135°10	0°0/ 2.2 17			6813	Amandahendrix		6 2.3 12°02	0°4/ 2.5 18		
5 1	17 10.96	-22 6.5	1.735	2.606	13.7	21.1	5 1	17 3.95	-24 19.3	1.911	2.786	12.4	17.2
5 11	17 4.02	-22 16.4	1.673	2.616	9.9	20.9	5 11	16 58.87	-24 7.2	1.843	2.788	9.0	17.0
5 21	16 54.79	-22 23.3	1.635	2.626	5.7	20.6	5 21	16 51.85	-23 49.8	1.798	2.790	5.2	16.7
5 31	16 44.19	-22 26.7	1.622	2.636	1.1	20.3	5 31	16 43.66	-23 27.7	1.780	2.793	1.1	16.4
6 10	16 33.41	-22 27.0	1.637	2.645	3.5	20.5	6 10	16 35.32	-23 2.5	1.788	2.796	3.2	16.6
6 20	16 23.63	-22 25.7	1.679	2.653	7.9	20.8	6 20	16 27.79	-22 36.6	1.823	2.799	7.2	16.9
6 30	16 15.83	-22 25.1	1.746	2.661	11.8	21.1	6 30	16 21.89	-22 12.9	1.882	2.803	10.8	17.1
7 10	16 10.63	-22 27.5	1.834	2.668	15.1	21.3	7 10	16 18.20	-21 54.0	1.963	2.807	13.9	17.3
105988	2000 <i>SD</i> ₂₇₁		6 2.3 304°81	0°2/ 2.4 17			141941	2002 <i>PW</i> ₉₇		6 2.3 307°63	6°2/ 3.0 18		
5 1	17 5.24	-											

EPHEMERIDES

6 2.3

6 2.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
80803	2000 CX ₁₀₀		6 2.3 251 ^o .11	1 ^o .2/ 2.7 18			42586	1997 FG ₃		6 2.3 174 ^o .77	2 ^o .3/ 1.5 18		
5 1	17 9.12	-25 53.3	1.720	2.591	13.8	19.9	5 1	17 5.91	-16 54.2	2.043	2.915	11.9	19.3
5 11	17 3.02	-25 50.1	1.637	2.579	10.2	19.7	5 11	17 0.11	-16 25.5	1.974	2.916	8.7	19.1
5 21	16 54.43	-25 39.8	1.576	2.566	6.0	19.4	5 21	16 52.50	-15 56.9	1.928	2.917	5.2	18.9
5 31	16 44.20	-25 21.6	1.541	2.554	1.7	19.1	5 31	16 43.82	-15 30.3	1.909	2.918	2.4	18.7
6 10	16 33.55	-24 56.5	1.533	2.540	3.7	19.2	6 10	16 34.99	-15 7.7	1.918	2.918	4.2	18.8
6 20	16 23.73	-24 27.3	1.551	2.527	8.2	19.4	6 20	16 26.88	-14 51.3	1.954	2.919	7.6	19.0
6 30	16 15.85	-23 58.0	1.594	2.513	12.4	19.7	6 30	16 20.29	-14 42.6	2.015	2.919	11.0	19.2
7 10	16 10.67	-23 32.6	1.657	2.500	16.1	19.9	7 10	16 15.76	-14 42.4	2.097	2.918	13.9	19.4
331557	2000 YZ ₁₄		6 2.3 278 ^o .48	1 ^o .1/ 2.9 17			106449	2000 VU ₅₆		6 2.3 258 ^o .77	1 ^o .4/ 2.9 18		
5 1	17 12.11	-30 5.2	1.962	2.815	13.1	20.6	5 1	17 5.23	-28 1.3	2.421	3.280	10.8	19.7
5 11	17 4.99	-28 55.6	1.853	2.785	9.8	20.3	5 11	16 59.59	-27 46.9	2.332	3.267	8.0	19.5
5 21	16 55.47	-27 29.0	1.768	2.754	5.9	20.0	5 21	16 52.22	-27 25.1	2.268	3.254	4.8	19.2
5 31	16 44.39	-25 46.1	1.711	2.723	1.8	19.7	5 31	16 43.78	-26 55.7	2.231	3.241	1.8	19.0
6 10	16 32.93	-23 51.1	1.684	2.691	3.5	19.7	6 10	16 35.11	-26 20.0	2.222	3.228	2.9	19.1
6 20	16 22.28	-21 51.0	1.687	2.659	8.0	19.9	6 20	16 27.05	-25 40.5	2.241	3.215	6.2	19.3
6 30	16 13.50	-19 53.9	1.716	2.626	12.3	20.1	6 30	16 20.35	-25 0.2	2.287	3.201	9.4	19.4
7 10	16 7.30	-18 7.3	1.769	2.592	16.0	20.3	7 10	16 15.58	-24 22.5	2.356	3.188	12.2	19.6
34888	2001 VP ₁₆		6 2.3 147 ^o .74	3 ^o .2/ 1.7 18			179703	2002 RC ₃₉		6 2.3 220 ^o .86	0 ^o .3/ 2.2 17		
5 1	17 8.97	-12 29.0	1.949	2.814	12.7	18.2	5 1	17 9.44	-21 35.7	1.939	2.807	12.6	20.9
5 11	17 2.35	-12 34.7	1.884	2.821	9.4	18.0	5 11	17 2.95	-21 33.1	1.857	2.798	9.2	20.7
5 21	16 53.79	-12 45.9	1.842	2.827	5.9	17.8	5 21	16 54.27	-21 27.5	1.798	2.789	5.3	20.4
5 31	16 44.05	-13 3.3	1.828	2.833	3.3	17.7	5 31	16 44.19	-21 19.2	1.766	2.779	1.0	20.1
6 10	16 34.12	-13 27.3	1.841	2.839	4.7	17.8	6 10	16 33.76	-21 8.9	1.762	2.768	3.4	20.3
6 20	16 24.98	-13 57.6	1.882	2.844	8.1	18.0	6 20	16 24.04	-20 58.5	1.785	2.757	7.7	20.5
6 30	16 17.45	-14 34.0	1.948	2.848	11.5	18.2	6 30	16 16.02	-20 50.2	1.834	2.746	11.5	20.7
7 10	16 12.13	-15 15.8	2.035	2.853	14.4	18.4	7 10	16 10.36	-20 46.4	1.904	2.733	14.8	20.9
235575	2004 KP ₁₀		6 2.3 305 ^o .77	4 ^o .1/ 1.6 17			344790	2003 YE ₆₇		6 2.3 225 ^o .28	0 ^o .2/ 2.3 17		
5 1	17 7.51	-14 25.3	1.194	2.088	17.0	20.1	5 1	17 6.82	-21 16.2	2.125	2.993	11.6	21.5
5 11	17 2.45	-14 7.1	1.125	2.077	12.6	19.8	5 11	17 0.87	-21 22.6	2.046	2.988	8.5	21.3
5 21	16 54.35	-13 53.5	1.075	2.066	7.9	19.5	5 21	16 53.01	-21 27.1	1.991	2.982	4.8	21.1
5 31	16 44.22	-13 47.4	1.048	2.056	4.2	19.2	5 31	16 43.95	-21 29.7	1.963	2.976	0.9	20.8
6 10	16 33.53	-13 51.4	1.044	2.046	6.5	19.3	6 10	16 34.60	-21 30.8	1.963	2.970	3.1	20.9
6 20	16 23.85	-14 6.8	1.063	2.036	11.5	19.6	6 20	16 25.90	-21 31.5	1.991	2.964	6.9	21.2
6 30	16 16.57	-14 34.3	1.103	2.027	16.3	19.8	6 30	16 18.70	-21 33.5	2.045	2.957	10.4	21.4
7 10	16 12.58	-15 13.2	1.160	2.018	20.6	20.1	7 10	16 13.59	-21 38.5	2.120	2.951	13.5	21.6
392627	2011 UQ ₃₈		6 2.3 253 ^o .97	1 ^o .1/ 2.6 18			27380	2000 EL ₆₁		6 2.3 275 ^o .99	0 ^o .5/ 2.2 18		
5 1	17 6.28	-24 55.0	2.337	3.199	10.9	21.1	5 1	17 8.97	-22 28.2	1.361	2.246	15.8	18.1
5 11	17 0.43	-25 16.0	2.252	3.190	8.0	20.8	5 11	17 3.41	-22 9.0	1.280	2.231	11.6	17.8
5 21	16 52.74	-25 33.4	2.192	3.181	4.7	20.6	5 21	16 54.88	-21 43.9	1.222	2.215	6.7	17.5
5 31	16 43.87	-25 46.2	2.159	3.171	1.5	20.4	5 31	16 44.35	-21 13.6	1.187	2.200	1.3	17.1
6 10	16 34.69	-25 54.2	2.155	3.161	3.0	20.5	6 10	16 33.25	-20 40.5	1.176	2.184	4.5	17.2
6 20	16 26.06	-25 58.1	2.179	3.151	6.4	20.7	6 20	16 23.09	-20 8.4	1.191	2.168	9.9	17.5
6 30	16 18.81	-25 59.6	2.228	3.141	9.7	20.9	6 30	16 15.25	-19 41.9	1.227	2.152	14.9	17.7
7 10	16 13.53	-26 1.0	2.301	3.131	12.5	21.0	7 10	16 10.58	-19 24.6	1.282	2.137	19.2	18.0
407747	2011 WM ₁		6 2.3 75 ^o .72	0 ^o .6/ 2.4 17			72404	2001 CG ₂₆		6 2.3 175 ^o .41	3 ^o .0/ 3.1 18		
5 1	17 10.52	-22 33.8	1.365	2.248	15.9	20.9	5 1	17 11.59	-29 27.4	1.735	2.596	14.2	20.0
5 11	17 4.34	-22 57.7	1.302	2.251	11.6	20.6	5 11	17 4.78	-29 50.3	1.664	2.598	10.6	19.8
5 21	16 55.27	-23 18.8	1.261	2.254	6.7	20.4	5 21	16 55.40	-30 4.2	1.616	2.599	6.7	19.5
5 31	16 44.37	-23 35.5	1.244	2.257	1.5	20.0	5 31	16 44.42	-30 6.7	1.593	2.600	3.4	19.3
6 10	16 33.11	-23 47.4	1.252	2.260	4.2	20.2	6 10	16 33.12	-29 57.4	1.598	2.601	4.4	19.4
6 20	16 22.99	-23 55.6	1.285	2.263	9.3	20.5	6 20	16 22.80	-29 38.6	1.628	2.601	8.2	19.6
6 30	16 15.27	-24 2.7	1.340	2.266	13.9	20.8	6 30	16 14.60	-29 14.3	1.684	2.600	12.1	19.8
7 10	16 10.71	-24 11.8	1.415	2.269	17.7	21.1	7 10	16 9.20	-28 49.5	1.760	2.600	15.4	20.0
338554	2003 SD ₅₇		6 2.3 289 ^o .68	8 ^o .4/ 29.7 18			182938	2002 GK ₄₈		6 2.3 76 ^o .36	5 ^o .8/ 30.6 18		
5 1	17 3.74	- 3 16.9	1.804	2.665	13.7	20.9	5 1	17 2.51	- 6 34.9	2.285	3.144	11.2	20.0
5 11	16 58.79	- 1 59.7	1.730	2.650	11.2	20.7	5 11	16 57.38	- 5 31.1	2.230	3.155	8.8	19.8
5 21	16 51.88	- 0 52.0	1.678	2.634	9.1	20.5	5 21	16 50.84	- 4 34.3	2.200	3.165	6.6	19.7
5 31	16 43.71	+ 0 0.2	1.651	2.619	8.4	20.5	5 31	16 43.52	- 3 48.3	2.196	3.175	5.8	19.7
6 10	16 35.24	+ 0 32.2	1.649	2.603	9.6	20.5	6 10	16 36.15	- 3 15.8	2.220	3.185	6.8	19.8
6 20	16 27.42	+ 0 41.8	1.670	2.588	12.1	20.6	6 20	16 29.43	- 2 58.4	2.269	3.195	8.9	19.9
6 30	16 21.13	+ 0 28.9	1.713	2.572	14.9	20.7	6 30	16 23.97	- 2 56.1	2.342	3.206	11.2	20.1
7 10	16 16.98	- 0 4.0	1.774	2.557	17.5	20.9	7 10	16 20.21	- 3 7.7	2.436	3.216	13.4	20.2
857	Glaspennia		6 2.3 298 ^o .50	0 ^o .9/ 2.2 18 A 3			139725	2001 QE ₂₄₉		6 2.3 238 ^o .38	3 ^o .1/ 3.1 18		
5 1	17 8.98	-19 34.9	1.251	2.142	16.6	14.3	5 1	17 7.98	-30 41.4	2.327	3.177	11.4	19.2
5 11	17 3.55	-19 46.6	1.179	2.132	12.2	14.1	5 11	17 1.77	-31 14.8	2.243	3.170	8.6	19.1
5 21	16 55.01	-19 58.8	1.127	2.122	7.0	13.7	5 21	16 53.57	-31 41.1	2.184	3.162	5.7	18.9
5 31	16 44.36	-20 11.2	1.099	2.112	1.6	13.4	5 31	16 44.07	-31 58.0	2.152	3.154	3.3	18.7
6 10	16 33.09	-20 23.8	1.094	2.102	4.7	13.5	6 10	16 34.22	-32 4.7	2.148	3.146	4.0	18.7
6 20	16 22.83	-20 37.7	1.114	2.093	10.3	13.8	6 20	16 24.98	-32 2.0	2.171	3.138	6.9	18.9
6 30	16 15.01	-20 54.8	1.155	2.083	15.3	14.1	6 30	16 17.24	-31 52.5	2.220	3.130	9.9	19.1
7 10	16 10.53	-21 16.8	1.214	2.074	19.6	14.3	7 10	16 11.64	-31 39.6	2.292	3.121	12.6	19.2
474271	2001 TS ₁₈₃												

EPHEMERIDES

6 2.3

6 2.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
44291	1998 QL ₈₇	6 2.3 325°52	4°1/31.6	18			374502	2005 YS ₁₆₄	6 2.3 195°55	2°0/ 2.9	17		
5 1	17 3.14	-16 17.9	1.533	2.421	14.1	17.9	5 1	17 9.45	-28 28.5	2.290	3.143	11.5	22.3
5 11	16 58.70	-15 6.1	1.456	2.407	10.5	17.6	5 11	17 2.72	-28 35.1	2.209	3.140	8.5	22.1
5 21	16 51.97	-13 52.0	1.402	2.392	6.6	17.3	5 21	16 54.06	-28 34.5	2.153	3.137	5.2	21.9
5 31	16 43.79	-12 40.2	1.373	2.378	4.1	17.1	5 31	16 44.19	-28 25.6	2.124	3.133	2.3	21.7
6 10	16 35.28	-11 36.5	1.368	2.365	6.2	17.2	6 10	16 34.08	-28 8.8	2.124	3.128	3.3	21.7
6 20	16 27.60	-10 45.7	1.389	2.352	10.3	17.4	6 20	16 24.68	-27 45.9	2.152	3.123	6.6	21.9
6 30	16 21.75	-10 11.3	1.432	2.340	14.3	17.6	6 30	16 16.83	-27 20.1	2.206	3.117	9.9	22.1
7 10	16 18.43	-9 54.2	1.493	2.329	17.9	17.8	7 10	16 11.14	-26 54.7	2.284	3.110	12.7	22.3
508679	2017 UN ₁₃	6 2.3 248°60	2°7/ 3.2	17			57768	2001 VO ₄₁	6 2.3 183°12	0°4/ 2.5	18		
5 1	17 9.82	-29 52.1	1.701	2.565	14.2	21.3	5 1	17 5.22	-24 25.0	2.390	3.253	10.7	20.0
5 11	17 3.61	-29 48.7	1.619	2.555	10.7	21.1	5 11	16 59.50	-24 12.2	2.314	3.253	7.8	19.8
5 21	16 54.81	-29 34.3	1.560	2.545	6.7	20.8	5 21	16 52.15	-23 54.7	2.263	3.253	4.5	19.6
5 31	16 44.33	-29 7.3	1.525	2.534	3.1	20.5	5 31	16 43.82	-23 32.9	2.240	3.253	1.0	19.4
6 10	16 33.48	-28 28.8	1.518	2.523	4.2	20.6	6 10	16 35.34	-23 8.0	2.246	3.253	2.7	19.5
6 20	16 23.55	-27 42.2	1.536	2.511	8.4	20.8	6 20	16 27.51	-22 42.1	2.279	3.252	6.2	19.7
6 30	16 15.70	-26 53.0	1.579	2.500	12.5	21.0	6 30	16 21.04	-22 17.6	2.338	3.251	9.3	19.9
7 10	16 10.66	-26 6.5	1.643	2.488	16.1	21.2	7 10	16 16.44	-21 56.8	2.421	3.250	12.0	20.1
92608	2000 PR ₂₃	6 2.3 218°16	4°8/ 3.8	17			382458	2000 RV ₇₄	6 2.3 266°76	5°0/ 3.9	18		
5 1	17 13.39	-34 40.4	1.789	2.635	14.5	19.6	5 1	17 11.92	-36 18.9	2.116	2.951	13.0	22.0
5 11	17 6.25	-34 59.5	1.707	2.627	11.3	19.4	5 11	17 5.10	-36 38.4	2.012	2.923	10.3	21.8
5 21	16 56.35	-35 4.8	1.647	2.619	7.8	19.1	5 21	16 55.72	-36 45.1	1.930	2.895	7.4	21.6
5 31	16 44.63	-34 53.0	1.613	2.610	5.1	18.9	5 31	16 44.56	-36 35.4	1.874	2.866	5.2	21.4
6 10	16 32.50	-34 23.6	1.605	2.600	5.6	19.0	6 10	16 32.79	-36 8.3	1.846	2.836	5.6	21.3
6 20	16 21.35	-33 39.4	1.623	2.590	8.8	19.1	6 20	16 21.67	-35 25.4	1.845	2.806	8.3	21.4
6 30	16 12.42	-32 46.3	1.666	2.579	12.4	19.3	6 30	16 12.38	-34 31.6	1.869	2.775	11.6	21.6
7 10	16 6.48	-31 51.1	1.731	2.567	15.8	19.5	7 10	16 5.75	-33 33.1	1.915	2.743	14.8	21.7
167500	2003 YX ₈₈	6 2.3 295°72	5°3/ 1.3	18			204087	2003 WU ₅₄	6 2.3 124°70	1°8/ 2.9	17		
5 1	17 6.27	-7 41.2	1.858	2.723	13.2	19.2	5 1	17 7.78	-27 42.3	2.100	2.961	12.1	20.8
5 11	17 0.74	-7 36.7	1.770	2.702	10.2	19.0	5 11	17 1.54	-27 48.2	2.033	2.969	8.9	20.6
5 21	16 53.10	-7 42.0	1.705	2.681	7.2	18.7	5 21	16 53.37	-27 47.0	1.991	2.977	5.4	20.4
5 31	16 44.02	-7 59.5	1.665	2.660	5.4	18.6	5 31	16 44.06	-27 38.1	1.974	2.984	2.1	20.2
6 10	16 34.46	-8 30.3	1.652	2.638	6.6	18.6	6 10	16 34.60	-27 22.0	1.986	2.991	3.3	20.3
6 20	16 25.44	-9 14.3	1.664	2.617	9.7	18.7	6 20	16 25.97	-27 0.9	2.025	2.999	6.8	20.5
6 30	16 17.93	-10 10.4	1.701	2.596	13.2	18.9	6 30	16 18.99	-26 37.9	2.090	3.005	10.1	20.7
7 10	16 12.65	-11 16.3	1.758	2.576	16.3	19.1	7 10	16 14.22	-26 16.1	2.177	3.012	13.0	20.9
37198	2000 WH ₇₉	6 2.3 329°22	2°2/ 1.8	18			413485	2005 ME ₃₀	6 2.3 299°80	0°2/ 2.4	14 C		
5 1	17 4.68	-15 10.8	2.077	2.949	11.7	18.6	5 1	17 1.63	-24 9.0	2.912	3.775	9.0	22.0
5 11	16 59.30	-15 16.0	2.002	2.945	8.6	18.4	5 11	16 56.82	-23 52.8	2.810	3.749	6.6	21.8
5 21	16 52.12	-15 24.4	1.952	2.941	5.1	18.2	5 21	16 50.62	-23 32.5	2.734	3.724	3.8	21.6
5 31	16 43.81	-15 36.6	1.928	2.937	2.4	18.0	5 31	16 43.54	-23 8.4	2.685	3.698	0.8	21.3
6 10	16 35.24	-15 53.2	1.932	2.933	3.9	18.1	6 10	16 36.22	-22 41.8	2.666	3.673	2.4	21.4
6 20	16 27.30	-16 14.4	1.962	2.930	7.4	18.3	6 20	16 29.30	-22 14.2	2.675	3.647	5.4	21.6
6 30	16 20.78	-16 40.5	2.018	2.927	10.8	18.5	6 30	16 23.39	-21 47.7	2.710	3.622	8.2	21.7
7 10	16 16.26	-17 11.5	2.095	2.924	13.7	18.7	7 10	16 18.97	-21 24.3	2.770	3.596	10.8	21.9
61737	2000 QQ ₁₅₂	6 2.3 334°34	2°0/ 3.1	18			159627	2002 BC ₂₉	6 2.3 80°19	1°5/ 2.1	17		
5 1	17 5.40	-29 19.8	1.905	2.771	12.9	18.9	5 1	17 10.20	-17 4.0	1.717	2.589	13.7	20.7
5 11	17 0.06	-29 1.4	1.828	2.766	9.6	18.6	5 11	17 3.39	-17 25.8	1.666	2.610	9.9	20.5
5 21	16 52.62	-28 32.8	1.775	2.762	5.9	18.4	5 21	16 54.43	-17 49.8	1.639	2.630	5.7	20.3
5 31	16 43.90	-27 54.1	1.747	2.757	2.4	18.2	5 31	16 44.26	-18 15.4	1.638	2.650	1.8	20.1
6 10	16 34.99	-27 7.0	1.747	2.753	3.5	18.2	6 10	16 34.01	-18 42.2	1.664	2.670	3.8	20.3
6 20	16 26.93	-26 15.2	1.773	2.749	7.3	18.5	6 20	16 24.78	-19 10.2	1.717	2.689	7.9	20.6
6 30	16 20.62	-25 23.3	1.824	2.746	11.0	18.7	6 30	16 17.46	-19 39.8	1.795	2.709	11.6	20.8
7 10	16 16.66	-24 35.5	1.897	2.743	14.2	18.9	7 10	16 12.63	-20 11.6	1.895	2.728	14.7	21.1
300142	2006 VW ₆₁	6 2.3 334°10	1°3/ 2.6	18			107222	2001 BM ₄₉	6 2.3 181°59	2°8/ 1.5	17		
5 1	17 6.50	-24 53.2	2.128	2.994	11.7	20.3	5 1	17 9.21	-15 43.5	1.978	2.845	12.4	20.5
5 11	17 0.70	-25 19.9	2.053	2.993	8.6	20.1	5 11	17 2.57	-15 16.7	1.907	2.846	9.1	20.3
5 21	16 52.95	-25 43.1	2.003	2.991	5.1	19.9	5 21	16 53.97	-14 50.9	1.860	2.847	5.5	20.1
5 31	16 43.98	-26 1.3	1.979	2.990	1.7	19.7	5 31	16 44.20	-14 28.0	1.839	2.847	2.8	19.9
6 10	16 34.72	-26 14.1	1.983	2.989	3.2	19.8	6 10	16 34.24	-14 10.1	1.847	2.846	4.5	20.0
6 20	16 26.13	-26 22.3	2.014	2.988	6.8	20.0	6 20	16 25.05	-13 59.0	1.883	2.845	8.1	20.2
6 30	16 19.08	-26 27.6	2.071	2.987	10.2	20.2	6 30	16 17.49	-13 56.1	1.943	2.842	11.6	20.4
7 10	16 14.16	-26 32.3	2.150	2.986	13.1	20.4	7 10	16 12.13	-14 2.0	2.025	2.839	14.6	20.6
20220	1997 GA ₄₀	6 2.3 62°34	7°2/30.6	18			222611	2001 XJ ₅₇	6 2.3 260°72	0°5/ 2.1	18		
5 1	17 4.43	-6 10.8	1.748	2.616	13.7	17.8	5 1	17 7.20	-23 8.6	1.772	2.646	13.3	19.8
5 11	16 59.13	-4 57.4	1.696	2.625	10.8	17.6	5 11	17 1.46	-22 31.4	1.691	2.636	9.7	19.6
5 21	16 51.97	-3 53.1	1.668	2.634	8.2	17.5	5 21	16 53.49	-21 47.5	1.634	2.626	5.5	19.3
5 31	16 43.77	-3 3.2	1.664	2.643	7.2	17.4	5 31	16 44.13	-20 58.5	1.603	2.616	1.1	19.0
6 10	16 35.52	-2 31.6	1.686	2.653	8.4	17.5	6 10	16 34.48	-20 7.5	1.599	2.605	3.7	19.1
6 20	16 28.12	-2 19.7	1.732	2.662	10.9	17.7	6 20	16 25.66	-19 18.3	1.621	2.595	8.1	19.4
6 30	16 22.36	-2 27.2	1.800	2.672	13.7	17.9	6 30	16 18.64	-18 35.2	1.668	2.584	12.2	19.6
7 10	16 18.75	-2 51.8	1.887	2.681	16.2	18.1	7 10	16 14.09	-18 1.2	1.736	2.573	15.7	19.8
186705	2004 BG ₆₇	6 2.3 112°78	1°6/ 1.9	17			360855	2005 QL ₇₃	6 2.3 221°51	5°2/30.3	18		
5 1	17 9.39	-18 42.8	1.666	2.542									

EPHEMERIDES

6 2.3

6 2.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
195254	2002 <i>EM</i> ₄₉	6 2.3 323°27	5°5/ 3.8 17				123335	2000 <i>VQ</i> ₄₃	6 2.3 123°80	2°6/ 1.2 17			
5 1	17 8.06	-34 38.7	1.572	2.433	15.4	19.6	5 1	17 7.34	-17 28.7	2.054	2.923	12.0	20.1
5 11	17 2.71	-35 9.2	1.495	2.423	12.0	19.3	5 11	17 1.03	-16 30.9	1.994	2.936	8.7	19.9
5 21	16 54.48	-35 26.0	1.439	2.413	8.5	19.1	5 21	16 53.01	-15 32.0	1.960	2.948	5.2	19.7
5 31	16 44.35	-35 25.2	1.407	2.404	5.8	18.9	5 31	16 44.06	-14 35.0	1.953	2.961	2.7	19.6
6 10	16 33.73	-35 5.9	1.399	2.395	6.2	18.9	6 10	16 35.11	-13 43.4	1.975	2.973	4.4	19.7
6 20	16 24.10	-34 30.6	1.416	2.386	9.5	19.1	6 20	16 27.01	-13 0.0	2.024	2.984	7.7	20.0
6 30	16 16.78	-33 45.0	1.456	2.378	13.2	19.3	6 30	16 20.48	-12 27.4	2.098	2.995	10.9	20.2
7 10	16 12.57	-32 56.0	1.516	2.371	16.7	19.5	7 10	16 15.99	-12 6.3	2.194	3.006	13.7	20.4
115895	2003 <i>VE</i> ₆	6 2.3 11°21	5°5/ 3.8 18				506556	2005 <i>SE</i> ₁₀₁	6 2.3 170°30	4°7/ 4.3 18			
5 1	17 9.64	-34 4.2	1.325	2.195	17.1	19.2	5 1	17 8.61	-39 18.1	2.966	3.779	10.2	22.4
5 11	17 4.06	-34 27.7	1.262	2.196	13.3	19.0	5 11	17 1.95	-39 48.3	2.890	3.782	8.2	22.3
5 21	16 55.29	-34 35.1	1.219	2.197	9.1	18.7	5 21	16 53.60	-40 7.6	2.837	3.785	6.2	22.1
5 31	16 44.50	-34 22.8	1.198	2.199	5.8	18.6	5 31	16 44.20	-40 13.7	2.812	3.787	4.9	22.1
6 10	16 33.38	-33 50.8	1.202	2.201	6.4	18.6	6 10	16 34.59	-40 6.2	2.815	3.789	5.0	22.1
6 20	16 23.60	-33 3.2	1.229	2.203	10.1	18.8	6 20	16 25.61	-39 46.3	2.845	3.791	6.5	22.2
6 30	16 16.54	-32 7.5	1.278	2.206	14.2	19.1	6 30	16 18.00	-39 16.8	2.902	3.792	8.5	22.3
7 10	16 12.93	-31 11.4	1.346	2.209	17.9	19.3	7 10	16 12.30	-38 41.8	2.982	3.793	10.5	22.4
308364	2005 <i>QO</i> ₁₆₄	6 2.3 271°37	0°2/ 2.3 18				140839	2001 <i>UH</i> ₁₉₃	6 2.3 134°40	5°4/ 4.4 17			
5 1	17 4.99	-21 52.4	2.310	3.177	10.9	21.6	5 1	17 11.17	-37 7.3	1.736	2.580	14.9	19.4
5 11	16 59.53	-21 49.8	2.220	3.162	7.9	21.4	5 11	17 4.58	-37 12.2	1.666	2.583	11.7	19.2
5 21	16 52.29	-21 44.6	2.155	3.146	4.5	21.2	5 21	16 55.35	-37 0.2	1.618	2.585	8.4	19.0
5 31	16 43.91	-21 37.0	2.116	3.130	0.9	20.8	5 31	16 44.54	-36 28.7	1.594	2.588	5.7	18.8
6 10	16 35.22	-21 27.9	2.107	3.113	2.9	21.0	6 10	16 33.57	-35 38.5	1.597	2.590	5.9	18.9
6 20	16 27.06	-21 18.7	2.124	3.097	6.6	21.2	6 20	16 23.77	-34 34.0	1.625	2.592	8.7	19.0
6 30	16 20.22	-21 11.1	2.168	3.081	9.9	21.4	6 30	16 16.26	-33 21.8	1.678	2.594	12.1	19.2
7 10	16 15.29	-21 7.1	2.234	3.064	12.9	21.5	7 10	16 11.69	-32 9.4	1.751	2.596	15.3	19.4
418200	2008 <i>CB</i> ₈₀	6 2.3 186°72	1°0/ 2.1 17				23102	Dayanli	6 2.3 295°35	1°9/ 2.9 18			
5 1	17 9.72	-19 54.2	1.863	2.733	13.0	22.0	5 1	17 7.20	-27 59.9	1.869	2.736	13.0	18.2
5 11	17 3.14	-19 49.8	1.790	2.733	9.4	21.8	5 11	17 1.43	-27 57.4	1.796	2.735	9.7	18.0
5 21	16 54.40	-19 43.9	1.741	2.732	5.4	21.5	5 21	16 53.48	-27 46.6	1.746	2.734	5.9	17.8
5 31	16 44.31	-19 37.0	1.718	2.731	1.3	21.2	5 31	16 44.19	-27 26.9	1.722	2.732	2.3	17.5
6 10	16 33.97	-19 30.0	1.723	2.729	3.6	21.4	6 10	16 34.67	-26 59.5	1.725	2.731	3.6	17.6
6 20	16 24.44	-19 24.7	1.756	2.727	7.8	21.7	6 20	16 26.02	-26 26.9	1.754	2.730	7.4	17.8
6 30	16 16.67	-19 22.9	1.813	2.724	11.6	21.9	6 30	16 19.17	-25 53.1	1.808	2.729	11.2	18.1
7 10	16 11.30	-19 26.4	1.891	2.721	14.9	22.1	7 10	16 14.75	-25 22.0	1.884	2.727	14.4	18.3
346412	2008 <i>SW</i> ₁₆₄	6 2.3 249°30	6°2/ 3.5 18				417995	2007 <i>TM</i> ₃₆₈	6 2.3 263°02	2°4/ 1.7 17			
5 1	17 12.51	-37 23.3	2.028	2.861	13.5	20.6	5 1	17 9.35	-17 41.0	1.581	2.458	14.4	21.6
5 11	17 5.67	-38 24.5	1.943	2.850	10.9	20.4	5 11	17 3.41	-17 19.1	1.493	2.439	10.6	21.3
5 21	16 56.12	-39 14.1	1.881	2.838	8.2	20.2	5 21	16 54.85	-16 56.6	1.428	2.419	6.3	21.0
5 31	16 44.70	-39 47.1	1.845	2.826	6.4	20.1	5 31	16 44.50	-16 35.1	1.388	2.399	2.6	20.7
6 10	16 32.65	-40 0.8	1.835	2.814	6.8	20.1	6 10	16 33.57	-16 16.9	1.375	2.378	4.9	20.8
6 20	16 21.33	-39 55.7	1.851	2.801	9.1	20.2	6 20	16 23.37	-16 4.6	1.387	2.357	9.6	21.0
6 30	16 11.97	-39 35.7	1.891	2.788	12.0	20.3	6 30	16 15.10	-16 0.7	1.422	2.335	14.1	21.2
7 10	16 5.45	-39 6.6	1.953	2.775	14.8	20.5	7 10	16 9.60	-16 6.6	1.477	2.313	18.0	21.4
300664	2007 <i>UO</i> ₁₂₉	6 2.3 218°53	0°4/ 2.2 17				114733	2003 <i>HX</i> ₈	6 2.3 317°12	4°5/ 3.1 18			
5 1	17 5.57	-22 1.7	2.180	3.049	11.4	21.7	5 1	17 8.33	-32 50.1	2.076	2.926	12.6	19.1
5 11	16 59.92	-21 48.4	2.103	3.046	8.2	21.5	5 11	17 2.40	-33 45.8	1.995	2.918	9.8	18.9
5 21	16 52.48	-21 31.8	2.051	3.042	4.7	21.3	5 21	16 54.16	-34 33.3	1.938	2.910	6.8	18.7
5 31	16 43.95	-21 12.6	2.026	3.039	0.9	21.0	5 31	16 44.35	-35 9.0	1.906	2.902	4.7	18.5
6 10	16 35.23	-20 52.1	2.029	3.035	3.0	21.2	6 10	16 34.06	-35 30.9	1.902	2.894	5.3	18.5
6 20	16 27.17	-20 32.4	2.059	3.031	6.8	21.4	6 20	16 24.42	-35 39.4	1.924	2.886	7.9	18.7
6 30	16 20.56	-20 15.6	2.115	3.027	10.1	21.6	6 30	16 16.49	-35 37.0	1.971	2.879	11.0	18.9
7 10	16 15.96	-20 3.7	2.193	3.023	13.1	21.8	7 10	16 11.03	-35 28.0	2.039	2.872	13.8	19.0
92892	2000 <i>QO</i> ₂₄₄	6 2.3 118°37	1°6/ 2.8 18				263501	2008 <i>EG</i> ₁₂₀	6 2.4 133°02	3°5/ 1.3 17			
5 1	17 11.80	-27 16.2	1.524	2.395	15.2	19.0	5 1	17 9.00	-13 58.9	1.910	2.778	12.8	22.1
5 11	17 4.94	-27 4.5	1.465	2.406	11.2	18.7	5 11	17 2.35	-13 25.4	1.853	2.792	9.4	21.9
5 21	16 55.48	-26 43.2	1.428	2.418	6.6	18.5	5 21	16 53.82	-12 54.7	1.820	2.805	5.9	21.7
5 31	16 44.53	-26 11.9	1.417	2.428	2.1	18.2	5 31	16 44.24	-12 29.1	1.813	2.818	3.5	21.6
6 10	16 33.50	-25 32.9	1.432	2.439	3.9	18.4	6 10	16 34.61	-12 10.9	1.835	2.830	5.1	21.7
6 20	16 23.71	-24 50.3	1.472	2.449	8.5	18.7	6 20	16 25.87	-12 1.8	1.883	2.841	8.4	21.9
6 30	16 16.25	-24 9.1	1.537	2.458	12.7	18.9	6 30	16 18.81	-12 2.5	1.956	2.852	11.7	22.1
7 10	16 11.72	-23 33.7	1.622	2.468	16.2	19.2	7 10	16 13.95	-12 13.2	2.050	2.862	14.5	22.4
83095	2001 <i>QZ</i> ₂₃₃	6 2.3 185°15	0°4/ 2.5 18				18591	1997 <i>YT</i> ₁₁	6 2.4 112°41	6°6/ 1.1 18			
5 1	17 5.80	-24 4.2	2.317	3.181	10.9	20.5	5 1	17 7.26	-4 27.4	1.839	2.695	13.7	17.8
5 11	17 0.01	-23 58.0	2.242	3.181	8.0	20.3	5 11	17 1.19	-4 6.2	1.781	2.703	10.8	17.6
5 21	16 52.50	-23 47.6	2.191	3.181	4.6	20.1	5 21	16 53.22	-3 56.7	1.746	2.711	8.1	17.4
5 31	16 43.97	-23 33.0	2.168	3.181	1.0	19.8	5 31	16 44.14	-4 1.9	1.737	2.719	6.7	17.4
6 10	16 35.26	-23 15.3	2.173	3.180	2.8	20.0	6 10	16 34.93	-4 23.2	1.753	2.726	7.6	17.4
6 20	16 27.21	-22 56.2	2.206	3.179	6.3	20.2	6 20	16 26.54	-5 0.0	1.795	2.733	10.1	17.6
6 30	16 20.56	-22 38.1	2.265	3.178	9.6	20.4	6 30	16 19.77	-5 50.5	1.861	2.740	13.0	17.8
7 10	16 15.85	-22 23.2	2.346	3.176	12.3	20.6	7 10	16 15.19	-6 51.9	1.947	2.747	15.6	18.0
97990	2000 <i>QG</i> ₁₈₆	6 2.3 32°61	1°3/ 2.2 18				335814	2007 <i>JA</i> ₁₂	6 2.4 293°57	6°5/ 31.9 15			

EPHEMERIDES

6 2.4

6 2.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
501311	2013 <i>WW</i> ₈₅		6 2.4 199°88	0°2/ 2.3	17		462571	2009 <i>DA</i> ₁₂₃		6 2.4 149°75	3°5/ 1.3	16	
5 1	17 8.35	-21 42.0	2.452	3.311	10.6	22.4	5 1	17 9.68	-15 8.8	1.657	2.531	14.1	22.4
5 11	17 1.81	-21 42.7	2.369	3.306	7.7	22.2	5 11	17 3.16	-14 32.8	1.595	2.538	10.3	22.2
5 21	16 53.55	-21 41.1	2.311	3.301	4.4	22.0	5 21	16 54.44	-13 58.7	1.557	2.545	6.4	22.0
5 31	16 44.22	-21 37.1	2.282	3.295	0.9	21.7	5 31	16 44.41	-13 29.1	1.544	2.551	3.5	21.8
6 10	16 34.65	-21 31.2	2.282	3.289	2.8	21.9	6 10	16 34.24	-13 6.7	1.558	2.556	5.4	21.9
6 20	16 25.67	-21 24.7	2.311	3.282	6.3	22.1	6 20	16 25.05	-12 53.8	1.599	2.562	9.2	22.2
6 30	16 18.02	-21 19.4	2.367	3.274	9.5	22.3	6 30	16 17.78	-12 51.8	1.663	2.566	13.0	22.4
7 10	16 12.27	-21 17.0	2.446	3.265	12.2	22.4	7 10	16 13.02	-13 0.8	1.747	2.570	16.2	22.6
176382	2001 <i>TP</i> ₂₅₈		6 2.4 193°48	0°1/ 2.3	17		433847	2015 <i>BQ</i> ₂₆₉		6 2.4 150°98	6°5/ 4.6	17	
5 1	17 5.56	-22 15.4	2.682	3.542	9.8	21.7	5 1	17 12.37	-39 13.9	1.809	2.643	14.9	21.7
5 11	16 59.66	-22 11.8	2.602	3.540	7.1	21.5	5 11	17 5.55	-39 42.7	1.739	2.645	11.9	21.5
5 21	16 52.26	-22 5.5	2.547	3.537	4.0	21.3	5 21	16 55.98	-39 54.6	1.691	2.648	9.0	21.4
5 31	16 43.97	-21 56.8	2.521	3.534	0.8	21.1	5 31	16 44.73	-39 45.7	1.668	2.651	6.8	21.2
6 10	16 35.50	-21 46.4	2.524	3.531	2.5	21.2	6 10	16 33.22	-39 15.5	1.670	2.653	6.9	21.2
6 20	16 27.57	-21 35.7	2.556	3.527	5.7	21.4	6 20	16 22.85	-38 27.2	1.698	2.655	9.2	21.4
6 30	16 20.83	-21 26.1	2.615	3.523	8.6	21.6	6 30	16 14.80	-37 27.0	1.749	2.657	12.2	21.6
7 10	16 15.77	-21 19.5	2.697	3.518	11.2	21.8	7 10	16 9.76	-36 22.4	1.822	2.659	15.1	21.8
270401	2002 <i>AM</i> ₁₉₀		6 2.4 199°59	0°4/ 2.5	17		499378	2010 <i>AO</i> ₆₅		6 2.4 241°47	1°9/ 3.0	18	
5 1	17 8.88	-23 23.5	2.200	3.061	11.6	21.7	5 1	17 10.09	-28 25.9	2.387	3.237	11.2	22.1
5 11	17 2.37	-23 27.0	2.120	3.058	8.4	21.5	5 11	17 3.34	-28 32.0	2.288	3.217	8.4	21.9
5 21	16 53.94	-23 26.9	2.064	3.054	4.8	21.3	5 21	16 54.57	-28 31.1	2.213	3.196	5.2	21.7
5 31	16 44.31	-23 22.6	2.036	3.049	1.0	21.0	5 31	16 44.47	-28 22.0	2.166	3.175	2.2	21.4
6 10	16 34.41	-23 14.9	2.037	3.044	3.0	21.2	6 10	16 33.96	-28 4.6	2.148	3.152	3.3	21.5
6 20	16 25.18	-23 5.2	2.066	3.038	6.8	21.4	6 20	16 23.99	-27 40.7	2.158	3.129	6.7	21.7
6 30	16 17.47	-22 55.7	2.121	3.032	10.2	21.6	6 30	16 15.46	-27 13.3	2.196	3.105	10.0	21.8
7 10	16 11.88	-22 48.7	2.198	3.025	13.2	21.8	7 10	16 9.05	-26 45.8	2.256	3.079	13.0	22.0
296517	2009 <i>LC</i> ₁		6 2.4 285°69	5°1/ 31.4	17		211135	2002 <i>GR</i> ₈₁		6 2.4 57°44	1°9/ 1.9	17	
5 1	17 2.99	-8 22.2	2.204	3.068	11.4	20.6	5 1	17 8.93	-18 24.0	1.302	2.190	16.2	19.8
5 11	16 58.01	-7 42.7	2.128	3.058	8.8	20.4	5 11	17 3.11	-18 16.4	1.249	2.200	11.8	19.6
5 21	16 51.42	-7 9.1	2.075	3.048	6.3	20.2	5 21	16 54.58	-18 9.2	1.216	2.210	6.8	19.4
5 31	16 43.82	-6 44.4	2.049	3.038	5.1	20.1	5 31	16 44.46	-18 3.5	1.208	2.220	2.2	19.1
6 10	16 36.00	-6 31.2	2.049	3.028	6.2	20.1	6 10	16 34.17	-18 0.7	1.224	2.230	4.7	19.3
6 20	16 28.74	-6 30.7	2.076	3.018	8.7	20.3	6 20	16 25.10	-18 2.7	1.265	2.241	9.6	19.6
6 30	16 22.74	-6 43.2	2.126	3.008	11.5	20.4	6 30	16 18.39	-18 11.2	1.328	2.252	14.1	19.9
7 10	16 18.55	-7 7.7	2.198	2.998	14.0	20.6	7 10	16 14.68	-18 27.0	1.409	2.262	17.8	20.1
370138	2001 <i>WM</i> ₇₂		6 2.4 167°02	1°1/ 1.9	17		149814	2005 <i>MF</i> ₃₄		6 2.4 197°80	4°8/ 31.8	18	
5 1	17 8.13	-20 5.9	2.340	3.202	10.9	23.2	5 1	17 4.08	-7 48.0	2.335	3.193	11.1	20.5
5 11	17 1.57	-19 43.2	2.268	3.207	7.9	23.0	5 11	16 58.67	-7 23.8	2.265	3.192	8.5	20.3
5 21	16 53.36	-19 18.4	2.222	3.212	4.5	22.8	5 21	16 51.74	-7 6.3	2.219	3.191	6.1	20.1
5 31	16 44.18	-18 52.3	2.205	3.217	1.3	22.5	5 31	16 43.90	-6 57.9	2.200	3.190	4.8	20.0
6 10	16 34.89	-18 26.9	2.216	3.220	3.2	22.7	6 10	16 35.90	-7 0.2	2.208	3.188	5.8	20.1
6 20	16 26.30	-18 3.9	2.256	3.223	6.6	22.9	6 20	16 28.46	-7 13.7	2.244	3.186	8.1	20.2
6 30	16 19.12	-17 45.5	2.322	3.225	9.8	23.1	6 30	16 22.27	-7 38.2	2.304	3.184	10.8	20.4
7 10	16 13.87	-17 33.3	2.411	3.227	12.5	23.3	7 10	16 17.80	-8 12.4	2.385	3.182	13.1	20.6
313159	2001 <i>DZ</i> ₁₀₁		6 2.4 136°39	2°3/ 1.8	17		115640	2003 <i>UF</i> ₁₃₀		6 2.4 166°07	3°9/ 3.8	18	
5 1	17 10.20	-16 31.3	1.733	2.604	13.7	21.1	5 1	17 9.58	-34 25.6	2.336	3.175	11.8	20.5
5 11	17 3.49	-16 24.2	1.672	2.614	10.0	20.8	5 11	17 2.91	-34 45.6	2.262	3.178	9.1	20.3
5 21	16 54.60	-16 18.7	1.634	2.624	5.9	20.6	5 21	16 54.25	-34 55.1	2.212	3.182	6.3	20.1
5 31	16 44.43	-16 15.8	1.623	2.633	2.4	20.4	5 31	16 44.39	-34 51.8	2.189	3.185	4.2	20.0
6 10	16 34.11	-16 16.8	1.639	2.642	4.4	20.6	6 10	16 34.32	-34 35.7	2.194	3.187	4.5	20.0
6 20	16 24.74	-16 22.7	1.682	2.650	8.4	20.8	6 20	16 25.04	-34 8.8	2.226	3.189	7.0	20.2
6 30	16 17.24	-16 34.5	1.749	2.657	12.1	21.1	6 30	16 17.40	-33 34.7	2.284	3.191	9.8	20.4
7 10	16 12.22	-16 52.9	1.837	2.665	15.3	21.3	7 10	16 11.99	-32 57.7	2.365	3.192	12.3	20.5
17721	1997 <i>XT</i> ₁₀		6 2.4 61°62	5°5/ 4.9	18		430938	2005 <i>UM</i> ₁₁₇		6 2.4 315°39	4°9/ 31.2	17	
5 1	17 10.86	-39 12.1	1.965	2.796	14.0	17.7	5 1	17 5.30	-14 59.9	1.513	2.399	14.5	21.3
5 11	17 3.88	-39 15.0	1.917	2.823	11.0	17.6	5 11	17 0.26	-13 32.4	1.443	2.390	10.8	21.1
5 21	16 54.71	-39 1.2	1.891	2.850	8.0	17.4	5 21	16 52.91	-12 3.4	1.395	2.383	7.0	20.8
5 31	16 44.42	-38 28.9	1.891	2.876	5.8	17.3	5 31	16 44.15	-10 38.9	1.373	2.375	4.9	20.7
6 10	16 34.26	-37 39.9	1.917	2.903	5.8	17.4	6 10	16 35.14	-9 25.2	1.376	2.367	7.0	20.8
6 20	16 25.37	-36 38.2	1.969	2.930	7.9	17.6	6 20	16 27.03	-8 27.6	1.404	2.360	10.8	21.0
6 30	16 18.58	-35 29.9	2.046	2.956	10.6	17.8	6 30	16 20.84	-7 49.4	1.454	2.354	14.7	21.2
7 10	16 14.39	-34 21.1	2.146	2.983	13.1	18.0	7 10	16 17.20	-7 30.9	1.523	2.347	18.1	21.4
446601	2015 <i>MU</i> ₈		6 2.4 308°59	0°1/ 2.3	18		520037	2013 <i>VP</i> ₂₈		6 2.4 212°85	4°6/ 31.6	17	
5 1	17 4.05	-23 45.9	2.170	3.040	11.3	21.1	5 1	17 6.10	-11 3.9	2.044	2.910	12.1	21.9
5 11	16 58.87	-23 17.1	2.091	3.034	8.2	20.9	5 11	17 0.33	-10 17.1	1.970	2.905	9.2	21.7
5 21	16 51.93	-22 43.0	2.036	3.027	4.7	20.7	5 21	16 52.77	-9 34.1	1.921	2.900	6.2	21.5
5 31	16 43.92	-22 4.5	2.008	3.021	0.9	20.4	5 31	16 44.11	-8 58.4	1.898	2.894	4.6	21.4
6 10	16 35.73	-21 23.9	2.007	3.014	3.0	20.5	6 10	16 35.24	-8 32.6	1.902	2.888	5.9	21.5
6 20	16 28.22	-20 44.0	2.034	3.008	6.7	20.7	6 20	16 27.05	-8 18.8	1.933	2.881	8.9	21.6
6 30	16 22.14	-20 7.8	2.087	3.002	10.1	20.9	6 30	16 20.30	-8 17.9	1.988	2.874	12.0	21.8
7 10	16 18.04	-19 37.8	2.162	2.996	13.1	21.1	7 10	16 15.57	-8 29.5	2.064	2.867	14.7	22.0
203048	2000 <i>EP</i> ₁₀₉		6 2.4 186°43	4°0/ 1.0	18		377709	2005 <i>WL</i> ₇₆		6 2.4 231°32	1°4/ 2		

EPHEMERIDES

6 2.4

6 2.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
149141	2002 EO ₁₀₃		6 2.4 151°54	2.4/	1.7	18	431204	2006 SY ₁₅₃		6 2.4 297°14	2.7/	2.8	18
5 1	17 4.52	-14 29.7	2.410	3.276	10.5	20.0	5 1	17 8.62	-27 19.1	1.928	2.792	12.8	21.0
5 11	16 58.99	-14 26.6	2.339	3.278	7.7	19.8	5 11	17 2.81	-28 4.6	1.833	2.769	9.6	20.8
5 21	16 51.93	-14 26.2	2.293	3.280	4.7	19.6	5 21	16 54.56	-28 46.1	1.761	2.747	6.1	20.5
5 31	16 43.95	-14 29.5	2.274	3.281	2.4	19.4	5 31	16 44.57	-29 20.8	1.716	2.724	2.9	20.3
6 10	16 35.81	-14 37.2	2.284	3.283	3.8	19.5	6 10	16 33.91	-29 46.7	1.698	2.702	4.2	20.3
6 20	16 28.25	-14 49.8	2.321	3.285	6.7	19.7	6 20	16 23.77	-30 3.5	1.707	2.679	7.9	20.5
6 30	16 21.92	-15 7.9	2.385	3.286	9.6	19.9	6 30	16 15.30	-30 13.2	1.741	2.657	11.8	20.6
7 10	16 17.32	-15 31.3	2.471	3.288	12.2	20.1	7 10	16 9.35	-30 19.1	1.796	2.635	15.2	20.8
129886	1999 TA ₉		6 2.4 203°37	1.2/	2.8	18	472884	2015 FN ₃₁₇		6 2.4 235°11	3.7/	1.4	17
5 1	17 8.23	-26 13.9	2.442	3.297	10.8	20.9	5 1	17 5.95	-13 1.2	1.854	2.728	12.8	21.4
5 11	17 1.80	-26 19.5	2.359	3.292	7.9	20.7	5 11	17 0.40	-12 40.8	1.786	2.727	9.5	21.2
5 21	16 53.60	-26 19.8	2.300	3.287	4.7	20.5	5 21	16 52.90	-12 24.6	1.741	2.727	6.1	21.0
5 31	16 44.29	-26 14.1	2.270	3.281	1.6	20.3	5 31	16 44.20	-12 14.7	1.722	2.726	3.7	20.8
6 10	16 34.73	-26 3.0	2.268	3.274	2.9	20.4	6 10	16 35.28	-12 12.7	1.730	2.726	5.2	20.9
6 20	16 25.78	-25 47.7	2.295	3.267	6.2	20.6	6 20	16 27.12	-12 19.9	1.763	2.725	8.6	21.1
6 30	16 18.22	-25 30.8	2.349	3.259	9.4	20.7	6 30	16 20.55	-12 36.5	1.821	2.725	12.0	21.3
7 10	16 12.61	-25 14.9	2.426	3.251	12.1	20.9	7 10	16 16.17	-13 2.3	1.900	2.724	15.0	21.5
432828	2011 HQ ₁₃		6 2.4 51°55	7.2/30.6	17		254281	2004 RZ ₂₁₀		6 2.4 247°07	1.1/	2.9	18
5 1	17 4.83	-7 20.3	1.622	2.495	14.3	20.8	5 1	17 4.92	-27 35.6	2.649	3.505	10.0	21.1
5 11	16 59.59	-6 0.3	1.571	2.504	11.2	20.7	5 11	16 59.31	-27 16.2	2.559	3.493	7.4	20.9
5 21	16 52.38	-4 49.0	1.542	2.512	8.4	20.5	5 21	16 52.16	-26 49.8	2.495	3.482	4.4	20.7
5 31	16 44.04	-3 51.9	1.538	2.521	7.2	20.5	5 31	16 44.05	-26 16.9	2.459	3.470	1.5	20.5
6 10	16 35.63	-3 13.6	1.560	2.531	8.6	20.6	6 10	16 35.75	-25 38.6	2.451	3.458	2.6	20.5
6 20	16 28.15	-2 56.0	1.605	2.540	11.3	20.7	6 20	16 28.02	-24 57.3	2.472	3.445	5.8	20.7
6 30	16 22.43	-2 58.9	1.672	2.550	14.3	21.0	6 30	16 21.52	-24 15.9	2.520	3.433	8.7	20.9
7 10	16 18.98	-3 20.0	1.758	2.559	17.0	21.2	7 10	16 16.77	-23 37.3	2.592	3.420	11.4	21.0
186982	2004 RS ₃₄₀		6 2.4 264°74	5°5/	1.0	18	225795	2001 VZ ₂₆		6 2.4 229°28	0.7/	2.6	17
5 1	17 4.36	-4 6.9	2.425	3.272	11.1	20.0	5 1	17 9.27	-24 18.2	2.058	2.921	12.2	21.2
5 11	16 58.85	-3 58.9	2.351	3.268	8.8	19.8	5 11	17 2.89	-24 24.8	1.972	2.911	8.9	21.0
5 21	16 51.86	-4 0.5	2.302	3.264	6.6	19.7	5 21	16 54.39	-24 27.0	1.911	2.900	5.2	20.7
5 31	16 43.95	-4 13.8	2.280	3.259	5.5	19.6	5 31	16 44.51	-24 24.1	1.876	2.888	1.3	20.5
6 10	16 35.85	-4 39.7	2.284	3.255	6.3	19.6	6 10	16 34.25	-24 16.5	1.869	2.876	3.2	20.6
6 20	16 28.27	-5 17.8	2.316	3.250	8.3	19.8	6 20	16 24.66	-24 5.7	1.890	2.863	7.2	20.8
6 30	16 21.87	-6 7.0	2.373	3.246	10.8	19.9	6 30	16 16.67	-23 54.3	1.937	2.850	10.9	21.0
7 10	16 17.14	-7 5.2	2.452	3.242	13.0	20.1	7 10	16 10.97	-23 44.9	2.005	2.837	14.1	21.2
246139	2007 OF ₈		6 2.4 293°39	1°5/	2.1	18	85037	4279 P-L		6 2.4 230°97	2°4/	1.6	18
5 1	17 9.14	-18 37.9	1.332	2.219	16.0	20.2	5 1	17 8.01	-17 51.3	1.831	2.704	13.0	20.6
5 11	17 3.88	-18 42.9	1.242	2.192	11.9	19.9	5 11	17 2.02	-17 15.2	1.751	2.695	9.5	20.4
5 21	16 55.49	-18 49.1	1.172	2.166	7.0	19.5	5 21	16 53.89	-16 37.5	1.695	2.686	5.6	20.1
5 31	16 44.77	-18 56.8	1.126	2.139	2.0	19.1	5 31	16 44.41	-16 0.6	1.666	2.676	2.5	19.9
6 10	16 33.13	-19 6.6	1.105	2.112	4.9	19.3	6 10	16 34.63	-15 27.1	1.664	2.666	4.5	20.0
6 20	16 22.13	-19 19.6	1.108	2.085	10.5	19.5	6 20	16 25.60	-15 0.0	1.688	2.655	8.5	20.2
6 30	16 13.34	-19 37.7	1.132	2.058	15.8	19.7	6 30	16 18.27	-14 41.7	1.737	2.644	12.3	20.4
7 10	16 7.83	-20 2.5	1.175	2.032	20.4	19.9	7 10	16 13.29	-14 33.8	1.807	2.633	15.6	20.6
510572	2012 QS ₃₃		6 2.4 288°71	8°5/	4.4	18	27579	2000 TA ₂₉		6 2.4 128°11	2°4/	3.5	18
5 1	17 13.04	-43 5.9	1.867	2.684	15.1	21.4	5 1	17 9.64	-31 6.4	1.967	2.822	13.0	18.1
5 11	17 6.62	-43 53.1	1.767	2.656	12.7	21.2	5 11	17 3.03	-30 44.2	1.900	2.831	9.7	17.9
5 21	16 57.00	-44 23.2	1.689	2.627	10.3	21.0	5 21	16 54.33	-30 10.5	1.856	2.839	6.1	17.7
5 31	16 45.06	-44 29.7	1.633	2.598	8.7	20.8	5 31	16 44.46	-29 25.1	1.839	2.847	2.8	17.5
6 10	16 32.26	-44 9.3	1.602	2.569	8.8	20.8	6 10	16 34.55	-28 30.2	1.850	2.855	3.7	17.6
6 20	16 20.27	-43 23.1	1.596	2.539	10.8	20.8	6 20	16 25.63	-27 29.8	1.888	2.862	7.2	17.8
6 30	16 10.62	-42 16.7	1.613	2.510	13.7	20.9	6 30	16 18.59	-26 29.1	1.952	2.869	10.6	18.0
7 10	16 4.33	-40 59.1	1.650	2.480	16.7	21.1	7 10	16 13.95	-25 32.6	2.038	2.876	13.7	18.2
346162	2007 VG ₃₀₃		6 2.4 273°14	7°3/30.9	18		354769	2005 UJ ₉₂		6 2.4 321°40	1°6/	1.6	17
5 1	17 4.93	-2 39.6	2.078	2.928	12.6	20.9	5 1	17 3.92	-20 50.5	2.056	2.930	11.7	19.9
5 11	16 59.59	-1 57.0	1.995	2.909	10.2	20.7	5 11	16 58.83	-19 52.5	1.977	2.923	8.5	19.7
5 21	16 52.43	-1 24.7	1.936	2.890	8.2	20.5	5 21	16 51.95	-18 49.6	1.924	2.915	4.9	19.5
5 31	16 44.11	-1 6.9	1.901	2.871	7.3	20.4	5 31	16 44.02	-17 44.6	1.897	2.908	1.7	19.2
6 10	16 35.45	-1 6.4	1.893	2.852	8.2	20.4	6 10	16 35.92	-16 41.2	1.898	2.901	3.8	19.4
6 20	16 27.31	-1 24.0	1.910	2.832	10.5	20.5	6 20	16 28.53	-15 43.2	1.926	2.895	7.5	19.6
6 30	16 20.51	-1 59.2	1.950	2.812	13.2	20.7	6 30	16 22.61	-14 54.1	1.980	2.888	10.9	19.8
7 10	16 15.65	-2 49.7	2.009	2.792	15.8	20.8	7 10	16 18.71	-14 16.0	2.055	2.882	13.9	20.0
173895	2001 UC ₁₁₅		6 2.4 260°77	0°0/	2.4	18	44999	1999 VQ ₁₈₆		6 2.4 204°23	1°2/	2.0	18
5 1	17 5.73	-22 34.8	2.205	3.073	11.3	20.4	5 1	17 6.78	-19 24.4	2.050	2.920	11.9	19.7
5 11	17 0.15	-22 36.1	2.122	3.064	8.2	20.1	5 11	17 0.93	-19 13.8	1.975	2.918	8.7	19.5
5 21	16 52.74	-22 34.5	2.064	3.055	4.7	19.9	5 21	16 53.18	-19 2.0	1.925	2.916	5.0	19.3
5 31	16 44.17	-22 29.9	2.032	3.045	0.9	19.6	5 31	16 44.27	-18 49.9	1.901	2.913	1.4	19.0
6 10	16 35.30	-22 23.1	2.029	3.036	2.9	19.7	6 10	16 35.12	-18 38.7	1.905	2.910	3.5	19.2
6 20	16 27.04	-22 15.3	2.052	3.026	6.7	20.0	6 20	16 26.67	-18 30.1	1.936	2.907	7.3	19.4
6 30	16 20.19	-22 8.6	2.102	3.017	10.1	20.2	6 30	16 19.76	-18 25.8	1.992	2.903	10.8	19.6
7 10	16 15.36	-22 4.8	2.174	3.007	13.1	20.3	7 10	16 14.95	-18 27.1	2.070	2.899	13.8	19.8
137537	1999 VR ₆₆		6 2.4 227°99	1°7/	1.8	17	394307	2006 VO ₁₅₃		6 2.4 200°91	4°9/30.7	17	
5 1	17 8.63	-19 56.5	1.740	2.615	13.5								

EPHEMERIDES

6 2.4

6 2.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
165187	2000 QY ₂₁₅		6 2.4 226°33	0°8/ 2.6	17		20485	1999 NJ ₅₄		6 2.4 220°41	4°6/31.3	18	
5 1	17 11.64	-24 32.0	1.860	2.724	13.2	20.9	5 1	17 5.83	-10 52.1	2.208	3.071	11.5	19.0
5 11	17 4.84	-24 37.4	1.774	2.713	9.7	20.6	5 11	17 0.08	-9 53.1	2.130	3.063	8.7	18.8
5 21	16 55.61	-24 37.7	1.711	2.700	5.7	20.4	5 21	16 52.65	-8 57.1	2.077	3.054	6.0	18.6
5 31	16 44.77	-24 31.9	1.675	2.687	1.5	20.1	5 31	16 44.19	-8 7.7	2.052	3.045	4.6	18.5
6 10	16 33.48	-24 20.4	1.666	2.673	3.5	20.2	6 10	16 35.54	-7 28.0	2.054	3.036	5.9	18.5
6 20	16 22.93	-24 5.0	1.685	2.659	7.9	20.4	6 20	16 27.49	-7 0.6	2.083	3.026	8.7	18.7
6 30	16 14.21	-23 48.9	1.729	2.643	11.9	20.6	6 30	16 20.79	-6 46.7	2.137	3.016	11.6	18.9
7 10	16 8.07	-23 35.5	1.795	2.627	15.4	20.8	7 10	16 15.95	-6 46.2	2.212	3.005	14.2	19.0
277587	2006 AV ₇		6 2.4 98°19	2°8/ 1.9	15		168866	2000 VR ₄₂		6 2.4 189°75	3°8/ 3.2	18	
5 1	17 10.21	-13 13.1	1.994	2.857	12.5	21.2	5 1	17 13.57	-30 44.2	1.752	2.608	14.3	20.9
5 11	17 3.17	-13 22.7	1.944	2.880	9.2	21.1	5 11	17 6.45	-31 23.0	1.678	2.607	10.9	20.7
5 21	16 54.32	-13 36.8	1.918	2.903	5.6	20.9	5 21	16 56.61	-31 52.6	1.627	2.606	7.1	20.5
5 31	16 44.47	-13 55.8	1.919	2.925	2.9	20.7	5 31	16 45.01	-32 9.5	1.601	2.604	4.1	20.3
6 10	16 34.60	-14 19.9	1.949	2.948	4.3	20.9	6 10	16 32.97	-32 12.2	1.602	2.602	5.0	20.3
6 20	16 25.61	-14 48.7	2.006	2.969	7.6	21.1	6 20	16 21.87	-32 2.3	1.630	2.599	8.5	20.5
6 30	16 18.28	-15 22.2	2.089	2.990	10.8	21.4	6 30	16 12.92	-31 43.9	1.683	2.596	12.3	20.7
7 10	16 13.10	-15 59.8	2.194	3.011	13.5	21.6	7 10	16 6.89	-31 22.3	1.756	2.592	15.6	20.9
253730	2003 WT ₁₇		6 2.4 155°62	5°0/ 4.2	17		244784	2003 SN ₁₈₉		6 2.4 278°56	3°0/ 1.2	18	
5 1	17 13.98	-36 22.2	1.909	2.746	14.1	21.1	5 1	17 5.27	-16 10.8	1.882	2.758	12.6	20.3
5 11	17 6.46	-36 37.4	1.840	2.753	11.0	20.9	5 11	17 0.00	-15 28.0	1.802	2.746	9.2	20.1
5 21	16 56.43	-36 37.8	1.794	2.760	7.8	20.7	5 21	16 52.75	-14 44.8	1.745	2.734	5.7	19.8
5 31	16 44.91	-36 20.5	1.774	2.766	5.3	20.6	5 31	16 44.24	-14 4.1	1.715	2.722	3.1	19.7
6 10	16 33.21	-35 45.8	1.780	2.772	5.6	20.6	6 10	16 35.44	-13 29.0	1.711	2.710	4.9	19.7
6 20	16 22.64	-34 57.1	1.814	2.777	8.3	20.8	6 20	16 27.32	-13 2.1	1.734	2.698	8.5	19.9
6 30	16 14.25	-34 0.1	1.872	2.781	11.4	21.0	6 30	16 20.77	-12 45.8	1.781	2.686	12.2	20.1
7 10	16 8.67	-33 1.5	1.952	2.785	14.4	21.2	7 10	16 16.41	-12 40.9	1.849	2.674	15.3	20.3
374370	2005 UU ₃₂₂		6 2.4 225°66	2°2/ 1.7	18		415543	2014 QU ₁₄₀		6 2.4 189°80	1°3/ 2.7	17	
5 1	17 7.83	-16 56.3	2.128	2.994	11.7	22.2	5 1	17 11.87	-25 19.2	1.600	2.470	14.7	22.1
5 11	17 1.67	-16 33.8	2.043	2.983	8.6	22.0	5 11	17 5.20	-25 27.8	1.528	2.470	10.8	21.9
5 21	16 53.62	-16 11.3	1.983	2.972	5.1	21.8	5 21	16 55.87	-25 30.0	1.479	2.469	6.4	21.6
5 31	16 44.37	-15 50.2	1.951	2.960	2.3	21.6	5 31	16 44.87	-25 24.8	1.455	2.467	1.9	21.3
6 10	16 34.82	-15 32.3	1.946	2.947	4.0	21.7	6 10	16 33.51	-25 12.6	1.458	2.466	3.8	21.4
6 20	16 25.89	-15 19.6	1.969	2.934	7.6	21.9	6 20	16 23.15	-24 55.6	1.487	2.463	8.5	21.7
6 30	16 18.41	-15 13.7	2.018	2.920	11.1	22.0	6 30	16 14.95	-24 37.7	1.540	2.460	12.8	21.9
7 10	16 12.99	-15 15.5	2.089	2.906	14.1	22.2	7 10	16 9.64	-24 22.6	1.614	2.457	16.4	22.2
158441	2002 CY ₈₄		6 2.4 164°05	0°4/ 2.3	17		471908	2013 CD ₈₇		6 2.4 136°45	8°5/ 7.3	18	
5 1	17 8.25	-21 28.4	2.046	2.914	12.1	21.1	5 1	17 18.52	-56 25.4	3.227	3.930	11.6	22.3
5 11	17 1.96	-21 21.1	1.976	2.917	8.7	20.9	5 11	17 9.58	-57 14.1	3.165	3.944	10.4	22.2
5 21	16 53.75	-21 11.1	1.930	2.921	5.0	20.7	5 21	16 58.18	-57 44.6	3.124	3.958	9.4	22.2
5 31	16 44.39	-20 58.8	1.911	2.924	1.0	20.4	5 31	16 45.29	-57 53.1	3.106	3.971	8.6	22.1
6 10	16 34.85	-20 45.2	1.920	2.927	3.2	20.6	6 10	16 32.20	-57 38.4	3.113	3.984	8.5	22.2
6 20	16 26.07	-20 32.3	1.957	2.929	7.1	20.8	6 20	16 20.18	-57 2.1	3.144	3.996	9.0	22.2
6 30	16 18.90	-20 22.2	2.019	2.931	10.6	21.0	6 30	16 10.28	-56 8.3	3.198	4.008	9.9	22.3
7 10	16 13.90	-20 16.7	2.103	2.932	13.6	21.2	7 10	16 3.14	-55 3.0	3.274	4.019	10.9	22.4
202976	1999 TV ₁₂₉		6 2.4 232°63	0°3/ 2.5	18		12482	Pajka		6 2.4 68°33	5°8/ 1.4	18	
5 1	17 7.63	-23 53.2	2.210	3.073	11.4	21.0	5 1	17 8.86	-9 27.8	1.400	2.278	15.9	17.6
5 11	17 1.55	-23 44.6	2.123	3.062	8.4	20.7	5 11	17 2.74	-9 0.9	1.355	2.295	12.0	17.4
5 21	16 53.57	-23 31.4	2.060	3.050	4.8	20.5	5 21	16 54.28	-8 43.6	1.332	2.313	8.2	17.2
5 31	16 44.37	-23 13.5	2.025	3.038	1.0	20.2	5 31	16 44.52	-8 39.1	1.333	2.331	5.9	17.1
6 10	16 34.87	-22 52.2	2.019	3.026	3.0	20.3	6 10	16 34.74	-8 49.1	1.359	2.349	7.2	17.3
6 20	16 26.00	-22 29.4	2.040	3.013	6.8	20.6	6 20	16 26.14	-9 13.6	1.409	2.367	10.7	17.5
6 30	16 18.60	-22 7.7	2.087	2.999	10.3	20.7	6 30	16 19.66	-9 51.2	1.482	2.385	14.3	17.7
7 10	16 13.28	-21 49.8	2.156	2.985	13.3	20.9	7 10	16 15.87	-10 39.4	1.574	2.403	17.4	18.0
187409	2005 VE ₅₈		6 2.4 177°67	1°7/ 1.7	18		10743	1988 VS ₂		6 2.4 266°88	5°0/31.1	18	
5 1	17 3.48	-16 47.9	2.790	3.653	9.3	21.1	5 1	17 6.19	-12 13.8	1.877	2.748	12.8	17.7
5 11	16 58.09	-16 30.5	2.716	3.655	6.8	20.9	5 11	17 0.69	-11 3.3	1.792	2.730	9.7	17.5
5 21	16 51.40	-16 13.6	2.667	3.655	4.0	20.7	5 21	16 53.17	-9 53.9	1.731	2.711	6.6	17.3
5 31	16 43.92	-15 58.1	2.647	3.656	1.8	20.6	5 31	16 44.34	-8 49.9	1.696	2.692	5.0	17.1
6 10	16 36.33	-15 45.4	2.655	3.656	3.1	20.7	6 10	16 35.16	-7 56.2	1.688	2.673	6.6	17.2
6 20	16 29.23	-15 36.7	2.692	3.656	5.9	20.8	6 20	16 26.63	-7 16.2	1.706	2.654	9.9	17.3
6 30	16 23.21	-15 32.8	2.756	3.656	8.5	21.0	6 30	16 19.64	-6 52.4	1.748	2.634	13.3	17.5
7 10	16 18.70	-15 34.6	2.843	3.655	10.9	21.2	7 10	16 14.84	-6 45.1	1.809	2.614	16.4	17.7
125754	2001 XG ₁₂₇		6 2.4 27°19	0°4/ 2.3	17		62783	2000 UO ₂₃		6 2.4 276°61	1°4/ 1.9	18	
5 1	17 6.89	-22 28.5	1.513	2.396	14.6	19.7	5 1	17 5.23	-18 26.6	2.356	3.223	10.7	19.3
5 11	17 1.49	-22 12.0	1.450	2.399	10.6	19.5	5 11	16 59.78	-18 15.4	2.259	3.200	7.8	19.1
5 21	16 53.67	-21 50.9	1.409	2.403	6.1	19.2	5 21	16 52.58	-18 3.6	2.185	3.175	4.6	18.8
5 31	16 44.39	-21 26.2	1.393	2.406	1.2	18.9	5 31	16 44.23	-17 52.0	2.140	3.151	1.6	18.5
6 10	16 34.90	-21 0.0	1.403	2.411	3.8	19.1	6 10	16 35.49	-17 41.9	2.122	3.126	3.3	18.6
6 20	16 26.45	-20 35.3	1.438	2.415	8.6	19.4	6 20	16 27.21	-17 34.7	2.133	3.101	6.9	18.8
6 30	16 20.05	-20 15.5	1.496	2.420	12.8	19.6	6 30	16 20.17	-17 31.8	2.169	3.076	10.2	19.0
7 10	16 16.35	-20 3.0	1.574	2.425	16.3	19.9	7 10	16 14.96	-17 34.6	2.227	3.050	13.2	19.1
337135	1999 TP ₁₆₄		6 2.4 291°67	5°4/ 3.6	18		377815	2006 BA ₃₇		6 2.4 138°12	2°4/ 1.7	17	
5 1	17 9.66	-34 42.2	1.777	2.629	14.3	20							

EPHEMERIDES

6 2.4

6 2.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
153749	2001 <i>UJ</i> ₁₆₇		6 2.4 150°69	6°4/ 4.4	18		504125	2006 <i>RS</i> ₇₅		6 2.4 289°25	0°8/ 2.6	17	
5 1	17 14.31	-39 58.1	2.110	2.929	13.5	19.8	5 1	17 8.89	-24 17.7	1.487	2.367	15.0	22.5
5 11	17 6.75	-40 43.1	2.042	2.937	11.0	19.7	5 11	17 3.48	-24 21.4	1.397	2.344	11.2	22.2
5 21	16 56.67	-41 13.2	1.996	2.944	8.4	19.5	5 21	16 55.18	-24 19.6	1.329	2.321	6.6	21.8
5 31	16 45.03	-41 24.2	1.976	2.951	6.6	19.4	5 31	16 44.83	-24 11.3	1.285	2.298	1.6	21.5
6 10	16 33.09	-41 14.8	1.983	2.957	6.8	19.4	6 10	16 33.76	-23 57.0	1.267	2.275	4.1	21.6
6 20	16 22.16	-40 47.3	2.016	2.963	8.7	19.6	6 20	16 23.43	-23 38.9	1.273	2.252	9.3	21.8
6 30	16 13.32	-40 6.4	2.074	2.968	11.2	19.7	6 30	16 15.21	-23 20.9	1.302	2.228	14.1	22.0
7 10	16 7.26	-39 18.6	2.154	2.973	13.7	19.9	7 10	16 10.03	-23 7.2	1.351	2.205	18.4	22.2
140210	2001 <i>SU</i> ₂₃₀		6 2.4 180°66	0°2/ 2.3	18		519084	2010 <i>LU</i> ₅₁		6 2.4 236°93	1°1/ 1.9	18	
5 1	17 5.74	-22 1.1	2.575	3.437	10.1	20.8	5 1	17 4.27	-19 3.7	2.798	3.660	9.4	22.4
5 11	16 59.88	-21 56.5	2.499	3.438	7.3	20.6	5 11	16 58.79	-18 51.6	2.708	3.647	6.8	22.2
5 21	16 52.50	-21 49.3	2.448	3.438	4.2	20.4	5 21	16 51.90	-18 38.6	2.644	3.634	3.9	22.0
5 31	16 44.20	-21 39.8	2.425	3.438	0.8	20.1	5 31	16 44.12	-18 25.4	2.609	3.621	1.2	21.8
6 10	16 35.74	-21 28.9	2.431	3.438	2.6	20.3	6 10	16 36.12	-18 13.1	2.602	3.607	2.8	21.9
6 20	16 27.85	-21 17.9	2.466	3.437	5.9	20.5	6 20	16 28.57	-18 2.8	2.625	3.592	5.8	22.0
6 30	16 21.20	-21 8.5	2.527	3.436	8.9	20.7	6 30	16 22.08	-17 55.9	2.674	3.578	8.6	22.2
7 10	16 16.28	-21 2.2	2.611	3.435	11.4	20.9	7 10	16 17.13	-17 53.6	2.746	3.563	11.1	22.3
302417	2002 <i>CA</i> ₂₁₅		6 2.4 70°14	0°0/ 2.2	17		177316	2003 <i>YY</i> ₃₄		6 2.4 246°40	2°5/ 3.2	17	
5 1	17 5.54	-22 25.6	2.183	3.051	11.4	21.0	5 1	17 10.60	-29 21.4	1.720	2.583	14.2	20.3
5 11	16 59.85	-22 21.9	2.125	3.067	8.2	20.8	5 11	17 4.32	-29 20.2	1.636	2.571	10.6	20.1
5 21	16 52.50	-22 15.2	2.091	3.082	4.6	20.6	5 21	16 55.44	-29 8.6	1.574	2.559	6.6	19.8
5 31	16 44.19	-22 5.8	2.085	3.098	0.9	20.4	5 31	16 44.85	-28 45.2	1.538	2.547	2.9	19.6
6 10	16 35.83	-21 54.8	2.106	3.114	2.8	20.6	6 10	16 33.83	-28 10.7	1.528	2.534	4.1	19.6
6 20	16 28.22	-21 43.8	2.155	3.129	6.4	20.8	6 20	16 23.70	-27 28.3	1.545	2.521	8.3	19.8
6 30	16 22.09	-21 34.7	2.230	3.145	9.6	21.1	6 30	16 15.60	-26 43.0	1.587	2.507	12.4	20.0
7 10	16 17.91	-21 29.1	2.327	3.161	12.3	21.3	7 10	16 10.31	-26 0.3	1.649	2.493	16.1	20.2
309108	2006 <i>WZ</i> ₈₈		6 2.4 135°21	1°8/ 3.2	18		380189	2000 <i>WA</i> ₇₀		6 2.4 215°81	0°9/ 2.8	18	
5 1	17 5.89	-29 6.8	2.349	3.205	11.1	20.7	5 1	17 8.97	-26 59.8	2.479	3.331	10.7	21.8
5 11	17 0.14	-28 54.0	2.275	3.208	8.2	20.5	5 11	17 2.34	-26 34.5	2.389	3.322	7.9	21.6
5 21	16 52.69	-28 33.1	2.226	3.211	5.0	20.3	5 21	16 53.97	-26 1.7	2.325	3.311	4.7	21.3
5 31	16 44.24	-28 4.1	2.204	3.214	2.1	20.1	5 31	16 44.53	-25 21.7	2.288	3.300	1.4	21.1
6 10	16 35.67	-27 28.3	2.211	3.216	3.0	20.2	6 10	16 34.89	-24 36.1	2.281	3.288	2.8	21.2
6 20	16 27.81	-26 48.3	2.245	3.219	6.2	20.4	6 20	16 25.89	-23 47.7	2.304	3.275	6.2	21.4
6 30	16 21.42	-26 7.4	2.305	3.221	9.3	20.6	6 30	16 18.29	-23 0.0	2.353	3.262	9.4	21.5
7 10	16 16.99	-25 28.9	2.389	3.223	12.0	20.8	7 10	16 12.63	-22 16.4	2.426	3.248	12.2	21.7
219573	2001 <i>SP</i> ₁₄₆		6 2.4 185°25	1°9/ 3.1	17		468731	2010 <i>NA</i> ₆₇		6 2.4 255°99	1°6/ 2.3	18	
5 1	17 10.33	-28 22.9	2.322	3.173	11.4	22.0	5 1	17 14.74	-15 25.8	1.854	2.713	13.5	21.2
5 11	17 3.43	-28 29.8	2.243	3.173	8.5	21.8	5 11	17 7.31	-16 6.6	1.754	2.691	10.0	20.9
5 21	16 54.62	-28 29.6	2.189	3.173	5.2	21.6	5 21	16 57.25	-16 53.8	1.679	2.667	5.9	20.6
5 31	16 44.64	-28 21.1	2.163	3.171	2.2	21.4	5 31	16 45.26	-17 46.1	1.632	2.643	2.0	20.3
6 10	16 34.42	-28 4.9	2.165	3.169	3.2	21.5	6 10	16 32.45	-18 41.8	1.613	2.618	4.1	20.4
6 20	16 24.92	-27 42.7	2.196	3.167	6.5	21.7	6 20	16 20.09	-19 39.1	1.623	2.592	8.6	20.6
6 30	16 16.98	-27 17.5	2.253	3.163	9.7	21.9	6 30	16 9.40	-20 37.2	1.660	2.566	12.8	20.8
7 10	16 11.16	-26 52.8	2.333	3.159	12.5	22.1	7 10	16 1.30	-21 36.1	1.719	2.538	16.6	21.0
194678	2001 <i>XK</i> ₁₉₉		6 2.4 181°13	3°6/ 1.7	17		59629	1999 <i>JV</i> ₇₆		6 2.4 301°39	4°4/ 1.9	18	
5 1	17 10.17	-13 46.0	1.560	2.435	14.7	20.1	5 1	17 8.25	-10 3.0	1.635	2.507	14.3	17.9
5 11	17 3.82	-13 33.6	1.493	2.436	10.9	19.9	5 11	17 2.52	-10 15.3	1.556	2.495	10.9	17.6
5 21	16 55.04	-13 25.8	1.449	2.436	6.8	19.6	5 21	16 54.41	-10 37.4	1.499	2.482	7.2	17.4
5 31	16 44.74	-13 24.4	1.430	2.436	3.7	19.5	5 31	16 44.68	-11 10.7	1.467	2.470	4.5	17.2
6 10	16 34.14	-13 30.9	1.437	2.436	5.5	19.6	6 10	16 34.45	-11 55.4	1.462	2.458	5.9	17.2
6 20	16 24.47	-13 46.0	1.469	2.435	9.6	19.8	6 20	16 24.91	-12 50.3	1.482	2.446	9.7	17.4
6 30	16 16.80	-14 10.2	1.526	2.434	13.6	20.0	6 30	16 17.15	-13 53.9	1.526	2.435	13.6	17.6
7 10	16 11.79	-14 43.1	1.601	2.433	17.0	20.3	7 10	16 11.93	-15 4.0	1.590	2.423	17.1	17.8
315319	2007 <i>TH</i> ₃₁₇		6 2.4 143°13	0°5/ 2.3	17		505568	2014 <i>BY</i> ₄		6 2.4 200°48	4°5/ 4.3	18	
5 1	17 11.18	-21 3.9	1.707	2.578	13.9	21.1	5 1	17 10.37	-36 29.5	2.156	2.992	12.7	21.1
5 11	17 4.39	-21 5.6	1.644	2.587	10.1	20.9	5 11	17 3.72	-36 32.0	2.077	2.989	10.0	20.9
5 21	16 55.28	-21 5.0	1.604	2.595	5.7	20.7	5 21	16 54.90	-36 20.6	2.021	2.987	7.1	20.7
5 31	16 44.77	-21 2.0	1.589	2.602	1.2	20.4	5 31	16 44.75	-35 53.5	1.990	2.984	4.8	20.6
6 10	16 34.08	-20 57.5	1.603	2.610	3.6	20.6	6 10	16 34.39	-35 11.2	1.987	2.980	5.0	20.6
6 20	16 24.36	-20 53.2	1.642	2.616	8.0	20.8	6 20	16 24.94	-34 16.8	2.012	2.977	7.5	20.7
6 30	16 16.62	-20 51.2	1.707	2.622	12.0	21.1	6 30	16 17.31	-33 15.3	2.062	2.973	10.5	20.9
7 10	16 11.47	-20 53.8	1.792	2.628	15.3	21.3	7 10	16 12.13	-32 12.4	2.135	2.968	13.3	21.1
248531	2005 <i>WU</i> ₁₄₈		6 2.4 307°90	0°0/ 2.4	18		111719	2002 <i>CR</i> ₃₈		6 2.4 190°16	4°8/ 3.1	2.4	18
5 1	17 4.43	-22 7.6	2.271	3.140	11.0	20.5	5 1	17 3.16	-5 50.8	2.847	3.695	9.6	20.6
5 11	16 59.17	-22 7.0	2.193	3.135	8.0	20.2	5 11	16 57.85	-5 13.9	2.776	3.693	7.6	20.5
5 21	16 52.20	-22 3.9	2.139	3.131	4.5	20.0	5 21	16 51.30	-4 43.4	2.730	3.692	5.7	20.4
5 31	16 44.17	-21 58.5	2.113	3.126	0.9	19.7	5 31	16 44.03	-4 21.4	2.711	3.690	4.8	20.3
6 10	16 35.92	-21 51.4	2.115	3.122	2.8	19.9	6 10	16 36.63	-4 9.9	2.720	3.687	5.6	20.4
6 20	16 28.26	-21 44.1	2.144	3.118	6.4	20.1	6 20	16 29.69	-4 9.6	2.757	3.684	7.5	20.5
6 30	16 21.96	-21 38.4	2.198	3.114	9.7	20.3	6 30	16 23.76	-4 20.6	2.819	3.681	9.6	20.6
7 10	16 17.56	-21 35.8	2.276	3.110	12.5	20.5	7 10	16 19.24	-4 42.0	2.903	3.677	11.6	20.8
20272	Duyha		6 2.4 193°32	2°8/ 1.7	17		262569	2006 <i>VW</i> ₄₁		6 2.4 160°99	1°1/ 2.		

EPHEMERIDES

6 2.4

6 2.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
312148	2007 TY ₄₁₂		6 2.4 190°02	1.2°/ 2.2	17		268448	2005 WB ₅₁		6 2.4 218°37	0°1/ 2.4	18	
5 1	17 11.08	-18 50.9	1.586	2.461	14.5	20.7	5 1	17 9.09	-21 33.9	2.018	2.884	12.2	20.9
5 11	17 4.59	-19 0.7	1.516	2.461	10.6	20.4	5 11	17 2.80	-21 42.1	1.937	2.877	8.9	20.6
5 21	16 55.56	-19 11.1	1.468	2.460	6.1	20.2	5 21	16 54.42	-21 48.3	1.880	2.871	5.1	20.4
5 31	16 44.91	-19 21.8	1.446	2.458	1.6	19.9	5 31	16 44.70	-21 52.0	1.850	2.863	1.0	20.1
6 10	16 33.88	-19 33.1	1.450	2.457	4.1	20.0	6 10	16 34.63	-21 53.7	1.848	2.856	3.2	20.2
6 20	16 23.77	-19 45.8	1.481	2.455	8.7	20.3	6 20	16 25.24	-21 54.4	1.874	2.847	7.3	20.5
6 30	16 15.70	-20 1.3	1.535	2.453	13.0	20.5	6 30	16 17.46	-21 56.1	1.925	2.839	11.0	20.7
7 10	16 10.40	-20 21.1	1.610	2.450	16.6	20.8	7 10	16 11.92	-22 0.5	1.999	2.830	14.1	20.9
368926	2006 UF ₃₂₉		6 2.4 237°85	1°3/ 2.0	17		21589	Rafes		6 2.4 357°57	2°8/ 1.3	18	
5 1	17 9.18	-19 36.7	1.914	2.783	12.7	22.6	5 1	17 3.48	-19 2.7	1.460	2.351	14.6	16.9
5 11	17 2.95	-19 20.5	1.827	2.769	9.3	22.3	5 11	16 59.10	-18 2.0	1.395	2.348	10.6	16.6
5 21	16 54.54	-19 2.3	1.765	2.755	5.4	22.1	5 21	16 52.40	-16 57.8	1.352	2.345	6.3	16.4
5 31	16 44.71	-18 43.0	1.729	2.741	1.6	21.8	5 31	16 44.29	-15 54.1	1.334	2.344	2.9	16.2
6 10	16 34.48	-18 24.3	1.720	2.725	3.8	21.9	6 10	16 36.00	-14 55.9	1.341	2.343	5.2	16.3
6 20	16 24.92	-18 8.3	1.739	2.710	8.0	22.1	6 20	16 28.66	-14 7.7	1.372	2.344	9.5	16.6
6 30	16 17.01	-17 57.4	1.783	2.693	11.9	22.3	6 30	16 23.27	-13 33.0	1.426	2.345	13.6	16.8
7 10	16 11.44	-17 53.4	1.848	2.676	15.2	22.5	7 10	16 20.45	-13 13.2	1.499	2.347	17.2	17.0
311391	2005 TZ ₃₁		6 2.4 236°17	0°7/ 2.2	18		392312	2010 DB ₅₅		6 2.4 231°29	5°1/ 31.9	18	
5 1	17 4.79	-20 29.3	2.643	3.506	9.8	22.0	5 1	17 5.45	-6 54.7	2.267	3.123	11.5	21.2
5 11	16 59.25	-20 19.8	2.556	3.495	7.1	21.8	5 11	16 59.84	-6 35.7	2.191	3.116	8.9	21.0
5 21	16 52.21	-20 8.7	2.494	3.484	4.1	21.6	5 21	16 52.59	-6 24.5	2.140	3.109	6.4	20.8
5 31	16 44.22	-19 56.3	2.460	3.472	1.0	21.3	5 31	16 44.33	-6 23.4	2.114	3.102	5.1	20.7
6 10	16 36.01	-19 43.7	2.455	3.460	2.7	21.4	6 10	16 35.85	-6 33.8	2.116	3.095	6.1	20.8
6 20	16 28.28	-19 32.3	2.478	3.448	5.9	21.6	6 20	16 27.91	-6 56.1	2.145	3.087	8.5	20.9
6 30	16 21.70	-19 23.5	2.528	3.436	8.9	21.8	6 30	16 21.24	-7 29.8	2.199	3.079	11.2	21.0
7 10	16 16.77	-19 18.9	2.601	3.423	11.5	22.0	7 10	16 16.37	-8 13.4	2.274	3.071	13.7	21.2
34660	2000 WB ₁₆₂		6 2.4 356°37	5°7/ 1.3	18		32368	2000 QS ₁₄₆		6 2.4 232°44	2°9/ 3.3	18	
5 1	17 4.95	-5 16.0	2.067	2.924	12.4	18.5	5 1	17 7.82	-30 46.5	2.463	3.311	10.9	19.1
5 11	16 59.55	-5 8.9	2.000	2.923	9.7	18.4	5 11	17 1.72	-31 15.0	2.378	3.303	8.3	19.0
5 21	16 52.44	-5 12.3	1.955	2.923	7.1	18.2	5 21	16 53.75	-31 36.5	2.319	3.296	5.4	18.8
5 31	16 44.27	-5 28.3	1.936	2.922	5.7	18.1	5 31	16 44.58	-31 49.0	2.286	3.288	3.2	18.6
6 10	16 35.90	-5 57.8	1.944	2.922	6.6	18.2	6 10	16 35.07	-31 52.0	2.281	3.281	3.8	18.6
6 20	16 28.16	-6 40.2	1.978	2.922	9.0	18.3	6 20	16 26.14	-31 46.3	2.305	3.272	6.5	18.8
6 30	16 21.81	-7 34.0	2.037	2.922	11.8	18.5	6 30	16 18.62	-31 34.4	2.355	3.264	9.4	19.0
7 10	16 17.38	-8 36.9	2.117	2.922	14.3	18.7	7 10	16 13.11	-31 19.5	2.427	3.256	12.0	19.1
445834	2012 CX ₄₄		6 2.4 271°27	4°8/ 4.4	18		479213	2013 CZ ₁₅₅		6 2.4 190°25	3°9/ 3.9	17	
5 1	17 6.67	-38 23.8	2.658	3.482	10.9	20.9	5 1	17 7.50	-35 12.6	2.555	3.391	11.0	21.4
5 11	17 0.84	-38 46.1	2.576	3.477	8.7	20.8	5 11	17 1.42	-35 32.8	2.477	3.390	8.6	21.2
5 21	16 53.20	-38 56.9	2.518	3.472	6.5	20.6	5 21	16 53.53	-35 42.8	2.423	3.389	6.0	21.0
5 31	16 44.43	-38 54.2	2.486	3.468	5.0	20.5	5 31	16 44.52	-35 40.9	2.396	3.389	4.2	20.9
6 10	16 35.42	-38 37.6	2.481	3.463	5.1	20.5	6 10	16 35.30	-35 26.9	2.396	3.387	4.4	20.9
6 20	16 27.05	-38 8.7	2.504	3.458	6.8	20.6	6 20	16 26.73	-35 2.4	2.424	3.386	6.6	21.1
6 30	16 20.13	-37 30.7	2.552	3.453	9.1	20.7	6 30	16 19.62	-34 30.6	2.478	3.385	9.1	21.2
7 10	16 15.21	-36 47.9	2.623	3.448	11.3	20.9	7 10	16 14.53	-33 55.3	2.556	3.383	11.5	21.4
379162	2009 QY ₂₁		6 2.4 329°19	1°2/ 2.2	17		96421	1998 FJ ₃₀		6 2.4 48°91	0°2/ 2.5	18	
5 1	17 2.21	-19 55.1	1.071	1.979	17.3	20.3	5 1	17 9.26	-23 55.1	1.203	2.094	17.1	19.1
5 11	16 59.34	-19 55.2	0.987	1.948	12.8	20.0	5 11	17 3.58	-23 42.0	1.157	2.109	12.4	18.9
5 21	16 53.18	-19 54.7	0.922	1.919	7.5	19.6	5 21	16 55.02	-23 22.4	1.131	2.125	7.1	18.6
5 31	16 44.54	-19 54.4	0.877	1.890	1.9	19.1	5 31	16 44.82	-22 56.7	1.128	2.142	1.5	18.3
6 10	16 34.89	-19 55.8	0.855	1.863	5.2	19.2	6 10	16 34.61	-22 27.8	1.150	2.158	4.2	18.6
6 20	16 26.00	-20 0.9	0.853	1.838	11.4	19.5	6 20	16 25.83	-21 59.5	1.195	2.176	9.5	18.9
6 30	16 19.57	-20 12.5	0.870	1.815	17.2	19.7	6 30	16 19.63	-21 36.0	1.262	2.193	14.1	19.2
7 10	16 16.79	-20 32.6	0.903	1.793	22.3	19.9	7 10	16 16.60	-21 20.4	1.348	2.211	17.9	19.5
459126	2012 BL ₁₅₂		6 2.4 36°33	1°7/ 2.1	17		471452	2011 UJ ₁₆₃		6 2.4 179°06	0°9/ 1.9	18	
5 1	17 7.84	-18 44.8	1.232	2.125	16.6	20.8	5 1	17 4.64	-21 5.3	2.928	3.787	9.1	21.6
5 11	17 2.53	-18 41.4	1.181	2.134	12.0	20.5	5 11	16 58.92	-20 25.6	2.850	3.788	6.5	21.5
5 21	16 54.44	-18 38.2	1.150	2.145	6.9	20.3	5 21	16 51.92	-19 42.8	2.799	3.789	3.7	21.3
5 31	16 44.68	-18 36.3	1.143	2.155	2.1	20.0	5 31	16 44.21	-18 58.4	2.777	3.789	1.1	21.1
6 10	16 34.77	-18 37.0	1.160	2.167	4.7	20.2	6 10	16 36.41	-18 14.3	2.785	3.789	2.6	21.2
6 20	16 26.10	-18 41.8	1.200	2.179	9.7	20.5	6 20	16 29.15	-17 32.8	2.822	3.789	5.5	21.4
6 30	16 19.84	-18 52.5	1.262	2.191	14.3	20.8	6 30	16 22.98	-16 56.1	2.887	3.788	8.2	21.6
7 10	16 16.64	-19 9.9	1.343	2.204	18.1	21.1	7 10	16 18.30	-16 25.6	2.975	3.787	10.5	21.7
430785	2004 TJ ₁₉₆		6 2.4 155°54	2°6/ 1.3	18		302003	2000 QV ₂₂₃		6 2.4 291°85	5°7/ 4.3	18	
5 1	17 6.85	-16 26.5	2.161	3.028	11.5	21.2	5 1	17 8.66	-38 18.3	2.117	2.950	13.0	20.3
5 11	17 0.81	-15 43.6	2.094	3.034	8.4	21.0	5 11	17 2.78	-38 45.6	2.031	2.938	10.4	20.1
5 21	16 53.09	-15 0.7	2.052	3.040	5.1	20.8	5 21	16 54.55	-38 59.4	1.967	2.925	7.8	20.0
5 31	16 44.40	-14 20.1	2.038	3.045	2.7	20.6	5 31	16 44.77	-38 56.3	1.928	2.912	5.9	19.8
6 10	16 35.62	-13 44.4	2.052	3.050	4.3	20.8	6 10	16 34.59	-38 35.6	1.915	2.899	6.1	19.8
6 20	16 27.56	-13 15.9	2.093	3.054	7.5	21.0	6 20	16 25.18	-37 59.1	1.928	2.886	8.3	19.9
6 30	16 20.96	-12 56.6	2.160	3.058	10.6	21.2	6 30	16 17.59	-37 11.2	1.966	2.874	11.1	20.1
7 10	16 16.31	-12 47.1	2.248	3.061	13.4	21.4	7 10	16 12.55	-36 17.9	2.026	2.861	13.8	20.2
91703	1999 TS ₁₄₃		6 2.4 343°03	10°3/ 4.5	18		115702	2003 UH ₁₆₄		6 2.4 25°07	0°7/ 2.3	18	
5 1	17 9.02	-45 1.9	1.680	2.502									

EPHEMERIDES

6 2.4

6 2.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
382225	2012 <i>RN</i> ₅		6 2.4 200°95	3°8/	1.2 18		247396	2002 <i>AO</i> ₁₃₉		6 2.4 215°00	2°6/	1.6 18	
5 1	17 5.71	-13 19.8	1.878	2.751	12.7	20.4	5 1	17 4.82	-13 32.3	2.538	3.400	10.2	20.4
5 11	17 0.27	-12 44.3	1.810	2.751	9.4	20.2	5 11	16 59.28	-13 24.2	2.460	3.396	7.5	20.3
5 21	16 52.93	-12 11.9	1.766	2.751	6.1	20.0	5 21	16 52.26	-13 19.1	2.406	3.391	4.7	20.1
5 31	16 44.43	-11 45.4	1.747	2.750	3.9	19.9	5 31	16 44.32	-13 18.1	2.381	3.386	2.7	19.9
6 10	16 35.74	-11 27.2	1.756	2.750	5.4	20.0	6 10	16 36.18	-13 22.3	2.384	3.380	3.9	20.0
6 20	16 27.80	-11 19.1	1.790	2.750	8.7	20.2	6 20	16 28.55	-13 32.2	2.415	3.375	6.7	20.2
6 30	16 21.44	-11 22.0	1.849	2.749	12.0	20.4	6 30	16 22.07	-13 48.2	2.472	3.369	9.5	20.3
7 10	16 17.21	-11 35.8	1.928	2.749	15.0	20.6	7 10	16 17.24	-14 10.4	2.551	3.363	12.0	20.5
317988	2004 <i>BT</i> ₃₆		6 2.4 34°27	3°9/	3.6 17		113569	2002 <i>TZ</i> ₃₆		6 2.4 299°53	4°8/	3.3 17	
5 1	17 9.53	-31 34.0	1.385	2.257	16.4	20.6	5 1	17 9.97	-33 13.8	1.943	2.793	13.3	19.7
5 11	17 3.86	-31 40.6	1.324	2.262	12.4	20.3	5 11	17 3.84	-34 7.0	1.865	2.787	10.3	19.5
5 21	16 55.27	-31 33.5	1.284	2.268	8.0	20.1	5 21	16 55.23	-34 51.1	1.810	2.782	7.2	19.3
5 31	16 44.91	-31 10.5	1.268	2.273	4.3	19.9	5 31	16 44.95	-35 22.0	1.781	2.776	5.0	19.2
6 10	16 34.33	-30 33.0	1.276	2.280	5.1	19.9	6 10	16 34.18	-35 37.8	1.778	2.770	5.5	19.2
6 20	16 25.04	-29 45.3	1.308	2.286	9.2	20.2	6 20	16 24.16	-35 39.1	1.801	2.765	8.3	19.4
6 30	16 18.25	-28 53.8	1.363	2.293	13.4	20.5	6 30	16 16.01	-35 29.2	1.849	2.759	11.5	19.5
7 10	16 14.64	-28 5.0	1.438	2.300	17.1	20.7	7 10	16 10.50	-35 12.9	1.919	2.754	14.5	19.7
475261	2005 <i>WQ</i> ₈₅		6 2.4 277°39	1°3/	1.7 17		61860	2000 <i>QT</i> ₂₀₅		6 2.4 322°12	1°3/	2.8 18	
5 1	17 6.31	-22 10.1	2.359	3.223	10.8	21.0	5 1	17 5.92	-25 8.5	1.392	2.279	15.4	19.3
5 11	17 0.50	-21 0.6	2.263	3.203	7.9	20.8	5 11	17 1.42	-25 15.8	1.311	2.261	11.5	19.0
5 21	16 53.00	-19 44.0	2.193	3.183	4.5	20.5	5 21	16 54.07	-25 16.8	1.251	2.244	6.8	18.7
5 31	16 44.46	-18 22.9	2.151	3.163	1.5	20.3	5 31	16 44.76	-25 10.5	1.214	2.227	2.0	18.3
6 10	16 35.69	-17 1.1	2.140	3.143	3.4	20.4	6 10	16 34.83	-24 57.5	1.202	2.210	4.1	18.4
6 20	16 27.53	-15 42.9	2.157	3.123	7.0	20.6	6 20	16 25.75	-24 40.0	1.214	2.195	9.3	18.6
6 30	16 20.71	-14 32.6	2.201	3.102	10.3	20.7	6 30	16 18.85	-24 22.1	1.247	2.180	14.1	18.9
7 10	16 15.76	-13 33.0	2.268	3.081	13.2	20.9	7 10	16 15.03	-24 7.9	1.300	2.166	18.2	19.1
308679	2006 <i>DM</i> ₆₂		6 2.4 34°85	0°0/	2.2 17		290038	2005 <i>QP</i> ₃₃		6 2.4 263°75	5°0/	31.6 18	
5 1	17 7.67	-24 30.1	1.052	1.952	18.2	19.5	5 1	17 3.90	-7 55.5	2.304	3.164	11.2	20.8
5 11	17 2.71	-23 54.6	1.007	1.963	13.3	19.3	5 11	16 58.75	-7 20.2	2.224	3.152	8.7	20.6
5 21	16 54.64	-23 10.0	0.980	1.975	7.6	19.0	5 21	16 52.02	-6 51.1	2.169	3.140	6.3	20.4
5 31	16 44.77	-22 18.6	0.975	1.989	1.5	18.6	5 31	16 44.29	-6 30.9	2.140	3.128	5.0	20.4
6 10	16 34.88	-21 25.3	0.994	2.003	4.6	18.9	6 10	16 36.33	-6 21.8	2.138	3.116	6.1	20.4
6 20	16 26.56	-20 35.8	1.035	2.018	10.2	19.3	6 20	16 28.88	-6 25.0	2.163	3.104	8.5	20.5
6 30	16 21.00	-19 55.6	1.096	2.033	15.2	19.6	6 30	16 22.65	-6 40.7	2.212	3.092	11.2	20.7
7 10	16 18.81	-19 28.0	1.175	2.049	19.3	19.9	7 10	16 18.16	-7 7.8	2.283	3.079	13.7	20.8
436154	2009 <i>VG</i> ₁₈		6 2.4 131°37	0°7/	2.7 17		15665	4094 <i>T</i> ₋₃		6 2.4 276°95	0°7/	2.6 18	
5 1	17 9.00	-25 15.5	1.955	2.820	12.6	22.0	5 1	17 8.84	-23 26.0	1.656	2.531	14.0	18.6
5 11	17 2.62	-25 1.7	1.890	2.829	9.2	21.8	5 11	17 3.07	-23 40.1	1.579	2.523	10.3	18.4
5 21	16 54.24	-24 41.6	1.848	2.838	5.3	21.5	5 21	16 54.80	-23 50.8	1.524	2.515	6.0	18.1
5 31	16 44.69	-24 15.5	1.834	2.846	1.3	21.3	5 31	16 44.88	-23 56.9	1.495	2.507	1.4	17.8
6 10	16 35.04	-23 45.1	1.847	2.854	3.1	21.4	6 10	16 34.52	-23 58.4	1.491	2.499	3.6	17.9
6 20	16 26.28	-23 13.1	1.888	2.862	7.1	21.7	6 20	16 24.97	-23 56.9	1.514	2.491	8.3	18.2
6 30	16 19.27	-22 42.9	1.953	2.870	10.7	21.9	6 30	16 17.35	-23 54.7	1.561	2.483	12.5	18.4
7 10	16 14.55	-22 17.5	2.041	2.877	13.7	22.1	7 10	16 12.43	-23 54.8	1.628	2.475	16.1	18.6
254468	2005 <i>EB</i> ₁		6 2.4 52°35	1°4/	2.8 17		281878	2010 <i>GT</i> ₂₄		6 2.4 122°04	0°0/	2.3 17	
5 1	17 9.65	-25 48.1	1.318	2.202	16.3	20.6	5 1	17 7.11	-22 48.0	1.915	2.787	12.6	21.3
5 11	17 3.85	-25 49.7	1.264	2.212	12.0	20.4	5 11	17 1.38	-22 44.4	1.845	2.788	9.1	21.1
5 21	16 55.22	-25 43.3	1.230	2.222	7.0	20.1	5 21	16 53.62	-22 37.1	1.798	2.789	5.2	20.8
5 31	16 44.90	-25 28.3	1.221	2.233	2.1	19.8	5 31	16 44.62	-22 26.3	1.778	2.791	1.1	20.5
6 10	16 34.44	-25 6.3	1.236	2.244	4.1	20.0	6 10	16 35.39	-22 13.1	1.784	2.792	3.2	20.7
6 20	16 25.26	-24 40.6	1.275	2.255	9.1	20.3	6 20	16 26.96	-21 59.3	1.818	2.793	7.3	21.0
6 30	16 18.56	-24 15.8	1.337	2.267	13.6	20.6	6 30	16 20.19	-21 47.4	1.876	2.794	10.9	21.2
7 10	16 14.97	-23 55.9	1.418	2.278	17.3	20.9	7 10	16 15.70	-21 39.7	1.956	2.796	14.1	21.4
355614	2008 <i>DN</i> ₃₄		6 2.4 59°81	13°6/	28.8 17		364575	2007 <i>RK</i> ₂₉		6 2.4 241°73	2°0/	1.8 17	
5 1	17 4.05	+19 19.4	2.184	2.930	15.4	20.9	5 1	17 9.74	-19 32.2	1.618	2.495	14.2	21.1
5 11	16 58.72	+20 34.2	2.158	2.947	14.4	20.8	5 11	17 3.67	-18 55.3	1.538	2.483	10.4	20.9
5 21	16 51.87	+21 23.3	2.152	2.963	13.7	20.8	5 21	16 55.11	-18 14.8	1.480	2.471	6.1	20.6
5 31	16 44.21	+21 42.4	2.164	2.981	13.6	20.8	5 31	16 44.94	-17 32.9	1.447	2.458	2.2	20.3
6 10	16 36.57	+21 30.1	2.197	2.998	14.0	20.9	6 10	16 34.37	-16 52.8	1.441	2.445	4.6	20.4
6 20	16 29.69	+20 47.8	2.248	3.015	14.7	21.0	6 20	16 24.63	-16 18.0	1.461	2.432	9.2	20.7
6 30	16 24.22	+19 39.3	2.317	3.032	15.7	21.1	6 30	16 16.83	-15 52.1	1.505	2.418	13.5	20.9
7 10	16 20.56	+18 10.0	2.402	3.050	16.6	21.2	7 10	16 11.72	-15 37.3	1.569	2.403	17.2	21.1
250930	2005 <i>WK</i> ₁₁₈		6 2.4 176°33	2°1/	3.3 18		351979	2006 <i>UC</i> ₈₅		6 2.4 294°28	0°1/	2.4 18	
5 1	17 5.80	-29 43.0	2.540	3.392	10.5	20.7	5 1	17 5.44	-22 51.6	2.015	2.887	12.0	20.9
5 11	17 0.09	-29 45.7	2.464	3.393	7.8	20.6	5 11	17 0.26	-22 37.8	1.924	2.867	8.8	20.7
5 21	16 52.74	-29 41.1	2.412	3.394	4.9	20.4	5 21	16 53.06	-22 19.7	1.856	2.848	5.1	20.4
5 31	16 44.41	-29 28.5	2.387	3.394	2.4	20.2	5 31	16 44.53	-21 57.8	1.815	2.828	1.0	20.1
6 10	16 35.91	-29 8.5	2.391	3.394	3.1	20.3	6 10	16 35.61	-21 33.4	1.801	2.809	3.2	20.2
6 20	16 28.04	-28 43.0	2.422	3.394	5.9	20.4	6 20	16 27.28	-21 8.9	1.814	2.789	7.3	20.5
6 30	16 21.51	-28 14.7	2.480	3.394	8.8	20.6	6 30	16 20.47	-20 47.0	1.852	2.770	11.1	20.6
7 10	16 16.83	-27 46.5	2.562	3.394	11.4	20.8	7 10	16 15.82	-20 30.3	1.911	2.750	14.4	20.8
425576	2010 <i>TT</i> ₃₈		6 2.4 190°44	0°3/	2.4 17		393560	2003 <i>GK</i> ₄₆					

EPHEMERIDES

6 2.5

6 2.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
126640	2002 <i>CJ</i> ₁₇₄		6 2.5	61°09	7.4/ 4.3	18	393982	2005 <i>UG</i> ₃₆₁		6 2.5	42°00	2.8/ 3.2	16
5 1	17 12.96	-39 13.0	1.688	2.525	15.6	19.5	5 1	17 7.51	-29 23.8	2.243	3.098	11.6	21.4
5 11	17 6.32	-40 13.6	1.629	2.535	12.6	19.3	5 11	17 1.61	-29 57.8	2.169	3.100	8.7	21.2
5 21	16 56.72	-40 57.7	1.591	2.545	9.7	19.2	5 21	16 53.76	-30 25.3	2.120	3.101	5.6	21.0
5 31	16 45.27	-41 20.1	1.577	2.555	7.7	19.1	5 31	16 44.70	-30 44.3	2.098	3.103	3.0	20.9
6 10	16 33.48	-41 18.9	1.588	2.565	7.8	19.1	6 10	16 35.35	-30 54.1	2.104	3.105	3.8	20.9
6 20	16 22.88	-40 56.3	1.624	2.576	10.0	19.3	6 20	16 26.67	-30 55.6	2.137	3.107	6.7	21.1
6 30	16 14.75	-40 18.3	1.682	2.586	12.8	19.4	6 30	16 19.52	-30 51.1	2.195	3.109	9.8	21.3
7 10	16 9.84	-39 32.3	1.761	2.597	15.6	19.7	7 10	16 14.49	-30 43.7	2.276	3.111	12.5	21.5
511951	2015 <i>JB</i> ₁₁		6 2.5	108°79	2.3/ 1.8	17	286636	2002 <i>ER</i> ₄₁		6 2.5	110°07	9.8/ 28.9	18
5 1	17 6.68	-16 51.2	1.849	2.723	12.8	21.6	5 1	17 3.06	+ 8 52.0	2.449	3.249	12.5	20.7
5 11	17 1.05	-16 35.2	1.781	2.725	9.3	21.4	5 11	16 57.94	+10 0.1	2.402	3.256	11.1	20.7
5 21	16 53.42	-16 20.1	1.737	2.727	5.6	21.1	5 21	16 51.46	+10 51.5	2.377	3.263	10.1	20.6
5 31	16 44.59	-16 7.4	1.720	2.729	2.4	20.9	5 31	16 44.22	+11 22.3	2.376	3.270	9.8	20.6
6 10	16 35.55	-15 58.7	1.729	2.731	4.2	21.0	6 10	16 36.90	+11 30.3	2.398	3.277	10.4	20.6
6 20	16 27.30	-15 55.7	1.764	2.733	8.0	21.3	6 20	16 30.16	+11 15.4	2.443	3.284	11.6	20.7
6 30	16 20.69	-15 59.4	1.824	2.735	11.6	21.5	6 30	16 24.60	+10 39.5	2.510	3.291	13.0	20.8
7 10	16 16.31	-16 10.6	1.905	2.737	14.7	21.7	7 10	16 20.64	+ 9 45.9	2.594	3.297	14.4	21.0
251372	2007 <i>UY</i> ₁₀₄		6 2.5	225°86	1.1/ 2.2	17	292213	2006 <i>SS</i> ₄₂		6 2.5	301°46	1.3/ 2.2	18
5 1	17 10.08	-19 50.6	1.636	2.511	14.2	20.9	5 1	17 6.78	-17 26.0	2.041	2.911	12.0	20.3
5 11	17 3.90	-19 44.7	1.560	2.505	10.4	20.6	5 11	17 1.12	-17 43.4	1.963	2.906	8.7	20.1
5 21	16 55.24	-19 37.3	1.507	2.499	6.0	20.3	5 21	16 53.51	-18 2.7	1.910	2.900	5.1	19.8
5 31	16 44.99	-19 29.0	1.479	2.492	1.6	20.0	5 31	16 44.66	-18 24.0	1.883	2.895	1.6	19.6
6 10	16 34.33	-19 20.9	1.478	2.484	4.0	20.2	6 10	16 35.49	-18 47.0	1.884	2.890	3.4	19.7
6 20	16 24.53	-19 15.0	1.503	2.477	8.6	20.4	6 20	16 26.93	-19 12.0	1.913	2.885	7.2	19.9
6 30	16 16.67	-19 13.4	1.552	2.469	12.9	20.7	6 30	16 19.85	-19 39.2	1.966	2.880	10.8	20.1
7 10	16 11.48	-19 18.1	1.621	2.460	16.5	20.9	7 10	16 14.88	-20 9.3	2.042	2.875	13.8	20.3
190643	2000 <i>XH</i> ₈		6 2.5	183°66	3.4/ 3.9	18	169531	2002 <i>EK</i> ₆₆		6 2.5	3°72	1.4/ 2.1	17
5 1	17 10.43	-33 51.7	2.304	3.143	11.9	20.6	5 1	17 3.87	-21 3.9	1.014	1.922	18.0	19.4
5 11	17 3.63	-33 49.8	2.225	3.144	9.1	20.4	5 11	17 0.25	-20 40.8	0.959	1.920	13.1	19.1
5 21	16 54.84	-33 36.4	2.171	3.144	6.1	20.2	5 21	16 53.46	-20 13.6	0.923	1.920	7.6	18.8
5 31	16 44.88	-33 10.3	2.143	3.143	3.7	20.1	5 31	16 44.67	-19 44.5	0.908	1.921	1.9	18.4
6 10	16 34.74	-32 32.1	2.144	3.142	4.1	20.1	6 10	16 35.56	-19 17.1	0.915	1.924	5.0	18.7
6 20	16 25.42	-31 44.7	2.172	3.140	6.8	20.3	6 20	16 27.76	-18 55.3	0.943	1.927	10.8	19.0
6 30	16 17.77	-31 52.4	2.227	3.138	9.8	20.5	6 30	16 22.62	-18 42.9	0.991	1.933	16.0	19.3
7 10	16 12.36	-29 59.9	2.305	3.135	12.5	20.6	7 10	16 20.89	-18 41.6	1.056	1.939	20.3	19.6
69464	1996 <i>VV</i> ₄		6 2.5	209°32	0.3/ 2.6	17	506886	2008 <i>AT</i> ₇₉		6 2.5	93°49	1.3/ 2.0	17
5 1	17 10.96	-23 54.8	1.973	2.836	12.6	20.1	5 1	17 5.91	-18 54.5	2.328	3.194	10.8	22.1
5 11	17 4.22	-23 44.5	1.891	2.829	9.3	19.9	5 11	17 0.06	-18 40.4	2.271	3.212	7.8	22.0
5 21	16 55.31	-23 28.8	1.832	2.822	5.4	19.6	5 21	16 52.69	-18 25.6	2.240	3.230	4.5	21.8
5 31	16 45.00	-23 7.8	1.801	2.814	1.1	19.3	5 31	16 44.47	-18 11.1	2.235	3.247	1.5	21.6
6 10	16 34.38	-22 42.8	1.798	2.805	3.2	19.4	6 10	16 36.22	-17 58.2	2.260	3.264	3.1	21.8
6 20	16 24.52	-22 16.1	1.822	2.795	7.4	19.7	6 20	16 28.67	-17 48.4	2.312	3.281	6.4	22.0
6 30	16 16.38	-21 50.9	1.872	2.785	11.3	19.9	6 30	16 22.50	-17 42.9	2.390	3.298	9.3	22.2
7 10	16 10.62	-21 30.4	1.945	2.774	14.5	20.1	7 10	16 18.13	-17 42.7	2.491	3.314	11.9	22.4
420521	2012 <i>FX</i> ₅₈		6 2.5	187°40	1.1/ 2.2	17	497526	2006 <i>BL</i> ₁₆₅		6 2.5	134°75	2.0/ 1.9	17
5 1	17 10.60	-18 59.9	1.765	2.636	13.5	21.6	5 1	17 7.42	-17 24.0	1.920	2.792	12.5	21.5
5 11	17 4.08	-19 6.9	1.693	2.636	9.9	21.4	5 11	17 1.53	-17 7.9	1.854	2.797	9.1	21.3
5 21	16 55.27	-19 13.9	1.644	2.635	5.7	21.1	5 21	16 53.70	-16 52.1	1.812	2.802	5.4	21.1
5 31	16 45.00	-19 21.0	1.622	2.634	1.5	20.9	5 31	16 44.72	-16 38.1	1.797	2.807	2.2	20.9
6 10	16 34.41	-19 28.5	1.626	2.633	3.7	21.0	6 10	16 35.57	-16 27.4	1.808	2.811	4.0	21.0
6 20	16 24.64	-19 37.4	1.658	2.631	8.1	21.3	6 20	16 27.21	-16 21.6	1.847	2.816	7.7	21.2
6 30	16 16.70	-19 49.1	1.714	2.628	12.0	21.5	6 30	16 20.47	-16 22.1	1.910	2.820	11.2	21.5
7 10	16 11.28	-20 5.0	1.792	2.626	15.4	21.7	7 10	16 15.90	-16 29.7	1.995	2.824	14.2	21.7
189352	2008 <i>CS</i> ₁₉₆		6 2.5	250°72	5.1/ 31.5	16	254370	2004 <i>TA</i> ₁₁₉		6 2.5	271°34	2.7/ 1.5	18
5 1	17 3.97	- 7 46.2	2.312	3.171	11.2	21.0	5 1	17 5.06	-13 8.1	2.672	3.532	9.8	20.8
5 11	16 58.79	- 7 8.4	2.236	3.163	8.6	20.8	5 11	16 59.57	-12 58.1	2.572	3.506	7.3	20.6
5 21	16 52.04	- 6 36.9	2.183	3.154	6.3	20.7	5 21	16 52.55	-12 50.9	2.496	3.480	4.7	20.4
5 31	16 44.34	- 6 14.3	2.158	3.145	5.1	20.6	5 31	16 44.51	-12 47.9	2.449	3.453	2.8	20.2
6 10	16 36.42	- 6 3.1	2.159	3.136	6.1	20.6	6 10	16 36.13	-12 50.1	2.430	3.426	4.0	20.3
6 20	16 29.04	- 6 4.3	2.187	3.127	8.5	20.8	6 20	16 28.11	-12 58.4	2.440	3.398	6.7	20.4
6 30	16 22.87	- 6 18.1	2.240	3.118	11.1	20.9	6 30	16 21.12	-13 13.4	2.476	3.370	9.6	20.5
7 10	16 18.43	- 6 43.5	2.314	3.108	13.6	21.1	7 10	16 15.71	-13 35.1	2.535	3.342	12.2	20.7
48038	2001 <i>DC</i> ₆₉		6 2.5	353°16	6.2/ 4.2	17	249808	2001 <i>BL</i> ₇₉		6 2.5	90°71	2.0/ 2.0	17
5 1	17 7.11	-36 8.1	1.469	2.331	16.2	18.2	5 1	17 10.84	-17 54.1	1.514	2.392	14.9	20.5
5 11	17 2.30	-36 38.7	1.400	2.326	12.8	18.0	5 11	17 4.25	-17 41.5	1.464	2.409	10.8	20.3
5 21	16 54.55	-36 53.3	1.351	2.322	9.2	17.8	5 21	16 55.31	-17 29.3	1.436	2.427	6.3	20.1
5 31	16 44.87	-36 47.8	1.325	2.319	6.6	17.6	5 31	16 45.04	-17 18.8	1.433	2.445	2.3	19.9
6 10	16 34.80	-36 21.7	1.323	2.317	6.8	17.6	6 10	16 34.73	-17 11.6	1.457	2.462	4.4	20.1
6 20	16 25.85	-35 38.2	1.345	2.315	9.8	17.8	6 20	16 25.56	-17 9.4	1.506	2.479	8.8	20.4
6 30	16 19.32	-34 43.7	1.389	2.315	13.5	18.0	6 30	16 18.52	-17 13.7	1.579	2.495	12.8	20.6
7 10	16 16.00	-33 45.8	1.452	2.315	16.9	18.2	7 10	16 14.18	-17 25.3	1.672	2.511	16.1	20.9
150920	2001 <i>TQ</i> ₅₇		6 2.5	158°95	0.5/ 2.3	18	432848	2011 <i>HQ</i> ₅₄					

EPHEMERIDES

6 2.5

6 2.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
261078	2005 <i>SF</i> ₂₁₇	6 2.5 221°16	0°0/ 2.3 18				497229	2005 <i>AU</i> ₆₅	6 2.5 164°64	1°7/ 1.9 17			
5 1	17 4.98	-22 39.2	2.774	3.633	9.5	21.9	5 1	17 7.19	-17 29.5	2.331	3.195	10.9	22.7
5 11	16 59.41	-22 30.9	2.688	3.625	6.9	21.8	5 11	17 1.10	-17 13.9	2.261	3.200	7.9	22.6
5 21	16 52.39	-22 19.7	2.628	3.617	4.0	21.6	5 21	16 53.38	-16 58.5	2.215	3.204	4.7	22.4
5 31	16 44.47	-22 5.8	2.596	3.609	0.8	21.3	5 31	16 44.70	-16 44.2	2.198	3.208	1.9	22.2
6 10	16 36.36	-21 50.2	2.593	3.600	2.4	21.4	6 10	16 35.88	-16 32.4	2.208	3.211	3.4	22.3
6 20	16 28.73	-21 34.2	2.619	3.590	5.6	21.6	6 20	16 27.69	-16 24.6	2.247	3.214	6.7	22.5
6 30	16 22.22	-21 19.6	2.671	3.581	8.4	21.8	6 30	16 20.86	-16 21.9	2.312	3.216	9.8	22.7
7 10	16 17.31	-21 8.1	2.748	3.571	10.9	21.9	7 10	16 15.89	-16 25.2	2.400	3.218	12.5	22.9
380264	2001 <i>YA</i> ₃₀	6 2.5 250°11	0°1/ 2.5 18				103766	2000 <i>CY</i> ₁₄₁	6 2.5 20°40	2°5/ 1.8 17			
5 1	17 11.23	-21 12.0	2.047	2.909	12.3	21.9	5 1	17 6.00	-16 3.2	1.802	2.678	13.0	19.8
5 11	17 4.58	-21 38.7	1.952	2.890	9.0	21.7	5 11	17 0.65	-15 49.1	1.735	2.680	9.5	19.6
5 21	16 55.67	-22 5.0	1.882	2.871	5.2	21.4	5 21	16 53.29	-15 37.0	1.692	2.681	5.7	19.3
5 31	16 45.19	-22 29.8	1.838	2.851	1.1	21.1	5 31	16 44.70	-15 28.3	1.674	2.683	2.7	19.1
6 10	16 34.12	-22 52.1	1.824	2.831	3.2	21.2	6 10	16 35.89	-15 24.6	1.683	2.685	4.4	19.3
6 20	16 23.57	-23 12.1	1.838	2.810	7.4	21.4	6 20	16 27.87	-15 27.0	1.718	2.687	8.1	19.5
6 30	16 14.57	-23 30.9	1.877	2.789	11.3	21.6	6 30	16 21.50	-15 36.7	1.777	2.690	11.8	19.7
7 10	16 7.87	-23 50.2	1.939	2.767	14.7	21.8	7 10	16 17.37	-15 53.9	1.857	2.692	14.9	19.9
314186	2005 <i>GU</i> ₁₈₁	6 2.5 73°12	1°3/ 2.2 17				460012	2014 <i>OQ</i> ₁₂₀	6 2.5 131°10	1°8/ 2.9 16			
5 1	17 9.94	-19 53.9	1.407	2.290	15.5	21.4	5 1	17 13.12	-25 53.9	1.382	2.258	16.2	21.8
5 11	17 3.83	-19 43.5	1.355	2.303	11.3	21.2	5 11	17 6.48	-26 8.8	1.321	2.265	12.0	21.6
5 21	16 55.18	-19 31.5	1.324	2.317	6.5	20.9	5 21	16 56.88	-26 16.5	1.281	2.271	7.1	21.3
5 31	16 45.05	-19 19.0	1.318	2.330	1.7	20.7	5 31	16 45.44	-26 15.2	1.265	2.277	2.3	21.1
6 10	16 34.81	-19 7.6	1.337	2.344	4.2	20.9	6 10	16 33.71	-26 5.1	1.275	2.282	4.2	21.2
6 20	16 25.77	-18 59.6	1.382	2.358	9.0	21.2	6 20	16 23.20	-25 48.9	1.309	2.287	9.2	21.5
6 30	16 18.97	-18 57.2	1.449	2.371	13.2	21.5	6 30	16 15.19	-25 31.0	1.367	2.292	13.7	21.8
7 10	16 15.01	-19 1.9	1.536	2.385	16.8	21.7	7 10	16 10.41	-25 15.8	1.444	2.297	17.5	22.0
323000	2002 <i>PL</i> ₃₆	6 2.5 306°80	1°3/ 2.1 17				502051	2015 <i>AK</i> ₁₅₈	6 2.5 231°65	3°3/ 1.6 17			
5 1	17 6.69	-20 45.6	1.340	2.230	15.7	20.8	5 1	17 9.27	-14 6.8	1.862	2.730	13.0	22.3
5 11	17 2.10	-20 24.8	1.254	2.207	11.6	20.5	5 11	17 3.10	-13 48.0	1.780	2.719	9.7	22.1
5 21	16 54.58	-19 59.9	1.189	2.183	6.8	20.2	5 21	16 54.76	-13 32.1	1.722	2.708	6.1	21.8
5 31	16 45.01	-19 32.3	1.148	2.160	1.8	19.8	5 31	16 45.02	-13 21.0	1.690	2.696	3.4	21.6
6 10	16 34.73	-19 4.5	1.131	2.138	4.7	19.9	6 10	16 34.90	-13 16.5	1.685	2.683	5.0	21.7
6 20	16 25.24	-18 40.0	1.137	2.116	10.1	20.2	6 20	16 25.45	-13 20.0	1.707	2.670	8.7	21.9
6 30	16 17.91	-18 22.7	1.165	2.094	15.2	20.4	6 30	16 17.63	-13 32.4	1.754	2.656	12.4	22.1
7 10	16 13.70	-18 15.6	1.212	2.073	19.6	20.6	7 10	16 12.13	-13 53.9	1.821	2.642	15.7	22.3
158418	2002 <i>AC</i> ₁₅₁	6 2.5 182°62	1°1/ 2.9 18				306726	2000 <i>WK</i> ₁₂₅	6 2.5 224°92	1°7/ 3.3 18			
5 1	17 9.43	-25 54.1	2.168	3.027	11.8	21.4	5 1	17 6.57	-29 39.8	2.894	3.739	9.6	21.6
5 11	17 2.96	-25 54.8	2.092	3.027	8.7	21.2	5 11	17 0.57	-29 25.4	2.802	3.728	7.1	21.4
5 21	16 54.55	-25 49.7	2.040	3.028	5.1	21.0	5 21	16 53.07	-29 3.6	2.735	3.717	4.4	21.2
5 31	16 44.94	-25 38.2	2.016	3.027	1.6	20.7	5 31	16 44.65	-28 34.1	2.697	3.705	2.0	21.0
6 10	16 35.10	-25 21.3	2.020	3.026	3.0	20.8	6 10	16 36.06	-27 58.0	2.688	3.692	2.7	21.1
6 20	16 26.00	-25 0.7	2.051	3.025	6.7	21.1	6 20	16 27.99	-27 17.2	2.708	3.680	5.4	21.2
6 30	16 18.48	-24 39.3	2.109	3.023	10.1	21.3	6 30	16 21.10	-26 34.7	2.756	3.666	8.2	21.4
7 10	16 13.13	-24 20.1	2.190	3.021	13.1	21.5	7 10	16 15.89	-25 53.4	2.828	3.652	10.6	21.5
347747	2002 <i>AB</i> ₁₁₅	6 2.5 93°68	3°4/ 1.6 18				383291	2006 <i>ES</i> ₁₇	6 2.5 43°59	1°4/ 2.1 17			
5 1	17 5.53	-11 23.5	2.365	3.226	10.9	21.0	5 1	17 6.73	-19 32.1	1.785	2.662	13.1	21.2
5 11	16 59.78	-11 14.2	2.308	3.242	8.1	20.8	5 11	17 1.22	-19 12.9	1.718	2.663	9.5	21.0
5 21	16 52.56	-11 9.8	2.276	3.257	5.3	20.7	5 21	16 53.63	-18 52.0	1.673	2.665	5.5	20.8
5 31	16 44.52	-11 11.4	2.272	3.272	3.4	20.6	5 31	16 44.78	-18 30.9	1.654	2.666	1.7	20.5
6 10	16 36.41	-11 20.0	2.295	3.287	4.5	20.7	6 10	16 35.72	-18 11.4	1.663	2.668	3.8	20.7
6 20	16 28.95	-11 35.9	2.346	3.302	7.1	20.9	6 20	16 27.49	-17 55.8	1.697	2.670	7.9	20.9
6 30	16 22.76	-11 59.0	2.423	3.317	9.8	21.1	6 30	16 20.98	-17 46.1	1.755	2.672	11.7	21.2
7 10	16 18.31	-12 28.6	2.522	3.331	12.2	21.3	7 10	16 16.79	-17 43.8	1.835	2.674	14.9	21.4
295727	2008 <i>UF</i> ₆₀	6 2.5 252°10	3°3/ 3.2 17				185759	1999 <i>TO</i> ₄₃	6 2.5 333°85	8°8/ 4.4 18			
5 1	17 12.81	-29 17.3	1.451	2.321	16.0	21.1	5 1	17 9.44	-43 1.7	1.816	2.641	15.2	20.0
5 11	17 6.54	-29 37.7	1.371	2.309	12.1	20.8	5 11	17 4.07	-44 7.8	1.737	2.628	12.8	19.9
5 21	16 57.11	-29 48.2	1.311	2.296	7.7	20.5	5 21	16 55.70	-44 57.3	1.678	2.615	10.5	19.7
5 31	16 45.52	-29 45.7	1.275	2.283	3.7	20.3	5 31	16 45.26	-45 24.1	1.643	2.604	9.0	19.6
6 10	16 33.27	-29 29.5	1.265	2.269	4.9	20.3	6 10	16 34.15	-45 25.3	1.631	2.592	9.1	19.5
6 20	16 21.99	-29 1.9	1.279	2.256	9.5	20.5	6 20	16 23.94	-45 1.9	1.643	2.582	10.8	19.6
6 30	16 13.13	-28 28.4	1.317	2.242	14.1	20.8	6 30	16 16.02	-44 18.8	1.677	2.572	13.3	19.7
7 10	16 7.62	-27 55.3	1.374	2.227	18.2	21.0	7 10	16 11.30	-43 23.7	1.731	2.563	15.9	19.9
507850	2014 <i>GY</i> ₁₅	6 2.5 25°56	2°3/ 1.8 17				191711	2004 <i>RQ</i> ₁₉₆	6 2.5 156°09	1°1/ 2.0 18			
5 1	17 4.37	-16 40.5	1.829	2.708	12.7	21.0	5 1	17 7.57	-21 26.2	1.882	2.754	12.7	20.1
5 11	16 59.39	-16 23.1	1.768	2.714	9.3	20.8	5 11	17 1.71	-20 47.0	1.812	2.756	9.2	19.9
5 21	16 52.52	-16 7.0	1.731	2.721	5.5	20.6	5 21	16 53.85	-20 3.5	1.767	2.758	5.3	19.7
5 31	16 44.53	-15 53.8	1.719	2.729	2.5	20.4	5 31	16 44.82	-19 17.6	1.748	2.760	1.4	19.4
6 10	16 36.39	-15 45.3	1.734	2.736	4.2	20.6	6 10	16 35.64	-18 32.3	1.756	2.762	3.6	19.6
6 20	16 29.05	-15 42.8	1.775	2.745	7.8	20.8	6 20	16 27.30	-17 50.8	1.792	2.764	7.7	19.8
6 30	16 23.31	-15 47.4	1.839	2.754	11.3	21.0	6 30	16 20.66	-17 16.3	1.852	2.765	11.3	20.0
7 10	16 19.71	-15 59.5	1.925	2.763	14.4	21.2	7 10	16 16.28	-16 51.0	1.934	2.766	14.5	20.3
90041	2002 <i>VU</i>	6 2.5 289°16	12°7/31.2 18 R				418038	2007 <i>VE</i> ₂₂	6 2.5 118°1				

EPHEMERIDES

6 2.5

6 2.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
345967	2007 <i>TA</i> ₉₀		6 2.5 206°42	0°0/ 2.3 18			393850	2005 <i>SM</i> ₁₆₂		6 2.5 285°96	0°2/ 2.6 18		
5 1	17 7.37	-21 56.7	2.158	3.024	11.6	20.8	5 1	17 5.35	-23 32.6	2.190	3.058	11.4	21.5
5 11	17 1.50	-22 6.6	2.081	3.022	8.4	20.6	5 11	17 0.07	-23 24.7	2.106	3.048	8.3	21.3
5 21	16 53.75	-22 14.3	2.029	3.020	4.8	20.3	5 21	16 52.97	-23 12.7	2.046	3.037	4.8	21.1
5 31	16 44.82	-22 19.7	2.005	3.018	1.0	20.1	5 31	16 44.71	-22 56.8	2.013	3.026	1.0	20.8
6 10	16 35.63	-22 22.9	2.008	3.015	2.9	20.2	6 10	16 36.17	-22 38.1	2.008	3.015	2.9	20.9
6 20	16 27.09	-22 24.9	2.039	3.013	6.7	20.4	6 20	16 28.23	-22 18.5	2.030	3.005	6.6	21.1
6 30	16 20.01	-22 27.4	2.095	3.010	10.1	20.7	6 30	16 21.70	-22 0.3	2.077	2.994	10.1	21.3
7 10	16 15.00	-22 32.2	2.174	3.007	13.1	20.8	7 10	16 17.16	-21 46.0	2.147	2.984	13.1	21.5
86243	1999 <i>TW</i> ₁₃₀		6 2.5 181°72	2°4/ 3.4 18			195369	2002 <i>FZ</i> ₂₉		6 2.5 122°29	4°8/ 4.0 18		
5 1	17 6.57	-30 34.5	2.697	3.543	10.1	20.2	5 1	17 11.52	-35 9.7	1.924	2.768	13.7	20.6
5 11	17 0.67	-30 44.0	2.619	3.544	7.6	20.0	5 11	17 4.86	-35 36.0	1.858	2.775	10.7	20.4
5 21	16 53.16	-30 46.1	2.565	3.544	4.9	19.8	5 21	16 55.81	-35 49.4	1.814	2.783	7.5	20.3
5 31	16 44.70	-30 40.1	2.539	3.544	2.6	19.7	5 31	16 45.29	-35 47.1	1.795	2.790	5.1	20.1
6 10	16 36.04	-30 26.2	2.542	3.543	3.2	19.7	6 10	16 34.55	-35 28.9	1.804	2.796	5.4	20.2
6 20	16 27.97	-30 5.9	2.573	3.543	5.8	19.9	6 20	16 24.80	-34 57.3	1.838	2.803	8.1	20.3
6 30	16 21.19	-29 41.7	2.631	3.542	8.5	20.0	6 30	16 17.07	-34 17.0	1.897	2.809	11.2	20.5
7 10	16 16.19	-29 16.5	2.712	3.541	10.9	20.2	7 10	16 12.00	-33 33.7	1.978	2.815	14.0	20.7
65571	3165 <i>T</i> ₋₂		6 2.5 353°08	3°0/ 3.3 18			260552	2005 <i>ED</i> ₁₈₈		6 2.5 295°54	4°1/ 1.2 17		
5 1	17 7.58	-30 17.2	2.157	3.013	12.0	19.6	5 1	17 6.85	-15 38.0	1.432	2.318	15.1	20.5
5 11	17 1.78	-30 43.2	2.083	3.012	9.0	19.4	5 11	17 1.86	-14 46.5	1.355	2.304	11.3	20.3
5 21	16 53.96	-31 1.5	2.032	3.012	5.9	19.2	5 21	16 54.29	-13 54.7	1.300	2.289	7.1	20.0
5 31	16 44.87	-31 10.3	2.007	3.012	3.2	19.0	5 31	16 45.02	-13 6.7	1.269	2.275	4.1	19.8
6 10	16 35.50	-31 9.2	2.010	3.012	3.9	19.1	6 10	16 35.31	-12 26.9	1.263	2.262	6.2	19.9
6 20	16 26.83	-30 59.4	2.040	3.011	6.9	19.3	6 20	16 26.43	-11 59.3	1.281	2.248	10.6	20.1
6 30	16 19.77	-30 43.9	2.096	3.011	10.1	19.5	6 30	16 19.57	-11 46.4	1.321	2.234	14.9	20.3
7 10	16 14.91	-30 26.2	2.173	3.011	12.9	19.6	7 10	16 15.48	-11 48.9	1.380	2.221	18.7	20.5
244773	2003 <i>SL</i> ₁₄₄		6 2.5 305°56	4°9/ 4.3 18			252985	2002 <i>QQ</i> ₈₀		6 2.5 157°13	0°3/ 2.4 17		
5 1	17 8.70	-35 41.4	1.679	2.533	14.9	19.9	5 1	17 10.67	-21 42.9	1.872	2.739	13.0	21.3
5 11	17 3.30	-35 38.1	1.589	2.513	11.7	19.6	5 11	17 4.02	-21 38.4	1.804	2.745	9.5	21.1
5 21	16 55.14	-35 18.1	1.520	2.493	8.2	19.4	5 21	16 55.25	-21 30.8	1.761	2.751	5.4	20.9
5 31	16 45.14	-34 38.9	1.475	2.473	5.3	19.1	5 31	16 45.18	-21 20.4	1.743	2.756	1.1	20.6
6 10	16 34.66	-33 40.8	1.456	2.454	5.6	19.1	6 10	16 34.92	-21 8.2	1.754	2.761	3.3	20.8
6 20	16 25.10	-32 27.9	1.462	2.435	8.9	19.3	6 20	16 25.52	-20 56.2	1.792	2.765	7.5	21.0
6 30	16 17.71	-31 7.4	1.492	2.416	12.8	19.4	6 30	16 17.91	-20 46.8	1.854	2.769	11.3	21.2
7 10	16 13.28	-29 47.0	1.543	2.398	16.4	19.6	7 10	16 12.69	-20 42.0	1.939	2.771	14.5	21.5
68721	2002 <i>DC</i> ₆		6 2.5 358°76	5°7/ 4.8 18			497429	2005 <i>XB</i> ₂₉		6 2.5 191°98	1°2/ 2.9 17		
5 1	17 8.78	-37 25.1	1.511	2.367	16.2	18.4	5 1	17 10.41	-25 43.6	2.344	3.198	11.2	23.0
5 11	17 3.38	-37 21.2	1.442	2.365	12.8	18.2	5 11	17 3.64	-25 55.8	2.263	3.196	8.3	22.8
5 21	16 55.12	-36 57.9	1.393	2.364	9.1	18.0	5 21	16 54.98	-26 3.1	2.207	3.193	4.9	22.6
5 31	16 45.12	-36 12.6	1.368	2.363	6.2	17.8	5 31	16 45.14	-26 4.6	2.179	3.190	1.6	22.3
6 10	16 34.89	-35 7.0	1.367	2.363	6.3	17.8	6 10	16 35.02	-26 0.4	2.180	3.186	2.9	22.4
6 20	16 25.92	-33 46.4	1.391	2.364	9.3	18.0	6 20	16 25.55	-25 51.8	2.210	3.182	6.4	22.6
6 30	16 19.40	-32 19.0	1.438	2.365	13.0	18.2	6 30	16 17.54	-25 41.0	2.266	3.176	9.7	22.8
7 10	16 15.98	-30 53.1	1.505	2.366	16.5	18.4	7 10	16 11.59	-25 30.8	2.345	3.170	12.5	23.0
242695	2005 <i>TJ</i> ₂₃		6 2.5 264°88	7°2/ 29.7 18			8662	1992 <i>WH</i>		6 2.5 312°63	1°4/ 2.1 18		
5 1	17 3.15	-1 45.6	2.371	3.216	11.4	20.7	5 1	17 6.82	-21 41.7	1.323	2.213	15.9	17.4
5 11	16 58.21	+ 0 36.8	2.297	3.204	9.4	20.6	5 11	17 2.08	-21 2.2	1.247	2.200	11.6	17.1
5 21	16 51.78	+ 0 23.2	2.247	3.192	7.8	20.4	5 21	16 54.51	-20 16.1	1.193	2.187	6.7	16.8
5 31	16 44.43	+ 1 10.0	2.223	3.180	7.2	20.4	5 31	16 45.08	-19 25.8	1.162	2.174	1.8	16.4
6 10	16 36.87	+ 1 40.3	2.225	3.167	8.1	20.4	6 10	16 35.19	-18 35.4	1.155	2.162	4.7	16.6
6 20	16 29.81	+ 1 52.5	2.252	3.155	10.0	20.5	6 20	16 26.26	-17 49.7	1.172	2.151	10.0	16.9
6 30	16 23.91	+ 1 46.6	2.302	3.142	12.2	20.6	6 30	16 19.58	-17 13.6	1.212	2.139	14.8	17.1
7 10	16 19.65	+ 1 24.3	2.372	3.130	14.3	20.8	7 10	16 15.93	-16 50.3	1.269	2.129	19.0	17.3
127346	2002 <i>JU</i> ₁₁₉		6 2.5 100°52	0°6/ 2.4 18			224588	2005 <i>XB</i> ₆₆		6 2.5 209°85	4°2/ 31.9 18		
5 1	17 10.58	-18 30.9	1.836	2.704	13.2	19.5	5 1	17 7.26	-11 59.1	2.080	2.944	12.0	21.0
5 11	17 4.04	-19 6.7	1.769	2.711	9.6	19.3	5 11	17 1.37	-11 16.5	2.004	2.939	9.0	20.8
5 21	16 55.31	-19 44.4	1.726	2.717	5.5	19.1	5 21	16 53.68	-10 37.2	1.953	2.933	6.0	20.6
5 31	16 45.18	-20 22.5	1.710	2.723	1.3	18.8	5 31	16 44.88	-10 4.0	1.928	2.927	4.2	20.4
6 10	16 34.77	-21 0.0	1.722	2.729	3.4	19.0	6 10	16 35.85	-9 39.7	1.931	2.920	5.5	20.5
6 20	16 25.15	-21 36.3	1.761	2.735	7.6	19.3	6 20	16 27.47	-9 26.1	1.961	2.913	8.5	20.7
6 30	16 17.29	-22 11.8	1.826	2.741	11.4	19.5	6 30	16 20.52	-9 24.2	2.016	2.906	11.7	20.9
7 10	16 11.85	-22 47.4	1.913	2.747	14.5	19.7	7 10	16 15.58	-9 34.0	2.092	2.897	14.5	21.0
125291	2001 <i>VR</i> ₂₄		6 2.5 158°12	0°5/ 2.3 18			81987	2000 <i>QE</i> ₁₃₃		6 2.5 335°28	0°0/ 2.5 17		
5 1	17 11.63	-22 28.9	1.614	2.487	14.5	20.2	5 1	17 4.77	-22 32.9	1.670	2.551	13.6	18.6
5 11	17 4.95	-22 4.1	1.549	2.492	10.5	20.0	5 11	17 0.16	-22 35.8	1.591	2.540	9.9	18.4
5 21	16 55.85	-21 34.0	1.506	2.497	6.0	19.7	5 21	16 53.24	-22 35.5	1.536	2.528	5.8	18.1
5 31	16 45.28	-20 59.8	1.489	2.502	1.3	19.4	5 31	16 44.82	-22 32.0	1.505	2.518	1.2	17.8
6 10	16 34.54	-20 24.1	1.498	2.506	3.8	19.6	6 10	16 35.99	-22 26.0	1.500	2.508	3.5	17.9
6 20	16 24.84	-19 50.1	1.535	2.509	8.4	19.9	6 20	16 27.90	-22 19.3	1.520	2.499	8.0	18.2
6 30	16 17.22	-19 21.7	1.595	2.512	12.6	20.2	6 30	16 21.60	-22 14.3	1.564	2.491	12.2	18.4
7 10	16 12.32	-19 1.5	1.676	2.514	16.1	20.4	7 10	16 17.80	-22 13.3	1.628	2.483	15.7	18.6
204074	2003 <i>VR</i> ₁₁		6 2.5 207°71	3°7/ 31.7 18			295483	2008 <i>QG</i> ₃₉		6 2.5 130			

EPHEMERIDES

6 2.5

6 2.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
250728	2005 <i>SC</i> ₅₂		6 2.5 229°69	3°0/ 1.2 18			302834	2003 <i>FG</i> ₄₁		6 2.5 115°95	2°3/ 2.1 18		
5 1	17 3.92	-14 22.0	2.466	3.331	10.3	20.5	5 1	17 11.10	-17 4.9	1.365	2.248	16.0	20.4
5 11	16 58.74	-13 43.5	2.389	3.326	7.6	20.3	5 11	17 4.93	-17 0.4	1.305	2.252	11.7	20.2
5 21	16 52.09	-13 6.2	2.337	3.321	4.8	20.2	5 21	16 56.03	-16 57.8	1.266	2.257	6.9	19.9
5 31	16 44.55	-12 32.4	2.312	3.316	3.0	20.0	5 31	16 45.43	-16 58.2	1.251	2.262	2.6	19.6
6 10	16 36.85	-12 4.3	2.316	3.311	4.2	20.1	6 10	16 34.55	-17 2.7	1.261	2.266	4.9	19.8
6 20	16 29.69	-11 43.7	2.348	3.305	7.0	20.3	6 20	16 24.76	-17 12.4	1.296	2.270	9.7	20.1
6 30	16 23.70	-11 31.9	2.405	3.299	9.8	20.4	6 30	16 17.26	-17 28.8	1.354	2.274	14.1	20.3
7 10	16 19.37	-11 29.2	2.484	3.294	12.3	20.6	7 10	16 12.75	-17 52.2	1.431	2.278	17.9	20.6
312871	2011 <i>UL</i> ₁₆₁		6 2.5 239°71	1°4/ 3.0 18			82483	2001 <i>OH</i> ₃₄		6 2.5 289°46	5°0/ 3.6 18		
5 1	17 6.40	-27 7.6	2.452	3.309	10.7	21.5	5 1	17 10.79	-33 12.0	1.596	2.456	15.2	19.1
5 11	17 0.71	-27 10.0	2.366	3.300	7.9	21.3	5 11	17 5.12	-33 44.2	1.507	2.435	11.9	18.8
5 21	16 53.31	-27 6.7	2.306	3.292	4.8	21.1	5 21	16 56.42	-34 4.7	1.438	2.415	8.2	18.6
5 31	16 44.81	-26 57.1	2.273	3.283	1.8	20.9	5 31	16 45.58	-34 9.3	1.394	2.394	5.3	18.4
6 10	16 36.06	-26 41.6	2.268	3.274	2.9	21.0	6 10	16 34.00	-33 56.2	1.375	2.373	5.9	18.3
6 20	16 27.88	-26 21.9	2.291	3.265	6.1	21.1	6 20	16 23.21	-33 27.2	1.381	2.352	9.5	18.5
6 30	16 21.03	-26 0.5	2.341	3.256	9.2	21.3	6 30	16 14.64	-32 47.5	1.410	2.331	13.6	18.7
7 10	16 16.07	-25 40.1	2.413	3.246	12.0	21.5	7 10	16 9.26	-32 3.9	1.459	2.311	17.4	18.9
165184	2000 <i>QH</i> ₂₀₈		6 2.5 320°54	5°3/ 3.4 18			376871	2001 <i>UT</i> ₁₀₈		6 2.5 271°32	1°4/ 2.7 18		
5 1	17 9.33	-31 21.0	1.203	2.085	17.7	19.2	5 1	17 10.85	-24 3.7	1.751	2.620	13.7	20.2
5 11	17 4.62	-32 8.0	1.129	2.071	13.7	18.9	5 11	17 4.73	-24 40.0	1.664	2.604	10.2	19.9
5 21	16 56.35	-32 44.0	1.074	2.057	9.3	18.6	5 21	16 56.01	-25 14.2	1.599	2.588	6.0	19.7
5 31	16 45.53	-33 3.5	1.041	2.044	5.7	18.4	5 31	16 45.49	-25 43.8	1.561	2.572	1.9	19.3
6 10	16 33.87	-33 3.9	1.031	2.032	6.6	18.4	6 10	16 34.32	-26 7.5	1.549	2.556	3.7	19.4
6 20	16 23.30	-32 46.8	1.043	2.021	11.0	18.6	6 20	16 23.78	-26 25.1	1.564	2.540	8.2	19.7
6 30	16 15.50	-32 18.0	1.076	2.010	15.7	18.8	6 30	16 15.09	-26 38.6	1.604	2.523	12.4	19.9
7 10	16 11.54	-31 45.1	1.126	2.000	20.0	19.1	7 10	16 9.09	-26 50.8	1.664	2.507	16.0	20.1
16310	1043 <i>T</i> ₋₁		6 2.5 163°35	0°6/ 2.3 18			54366	2000 <i>KL</i> ₄₃		6 2.5 202°86	0°9/ 2.8 18		
5 1	17 10.63	-21 42.0	1.944	2.809	12.7	19.3	5 1	17 7.66	-24 32.7	2.217	3.080	11.4	20.3
5 11	17 3.92	-21 24.6	1.875	2.815	9.2	19.1	5 11	17 1.75	-24 44.6	2.140	3.078	8.4	20.1
5 21	16 55.17	-21 3.6	1.830	2.820	5.3	18.9	5 21	16 53.98	-24 52.6	2.087	3.076	4.9	19.9
5 31	16 45.20	-20 39.7	1.812	2.824	1.2	18.6	5 31	16 45.02	-24 56.0	2.062	3.074	1.4	19.6
6 10	16 35.07	-20 14.7	1.822	2.828	3.3	18.8	6 10	16 35.81	-24 54.9	2.064	3.071	2.9	19.7
6 20	16 25.78	-19 51.1	1.859	2.831	7.4	19.0	6 20	16 27.23	-24 50.6	2.094	3.069	6.5	19.9
6 30	16 18.22	-19 31.4	1.922	2.834	11.1	19.3	6 30	16 20.12	-24 45.1	2.150	3.066	9.9	20.1
7 10	16 12.97	-19 17.8	2.007	2.836	14.2	19.5	7 10	16 15.07	-24 40.7	2.229	3.063	12.8	20.3
147440	2003 <i>XA</i> ₁₆		6 2.5 246°35	0°0/ 2.3 18			309131	2006 <i>XG</i> ₂₈		6 2.5 181°25	0°3/ 2.6 18		
5 1	17 7.11	-23 4.9	2.062	2.930	12.0	20.8	5 1	17 6.24	-23 11.4	2.745	3.603	9.7	21.6
5 11	17 1.44	-22 54.1	1.981	2.922	8.7	20.6	5 11	17 0.38	-23 15.8	2.667	3.603	7.0	21.4
5 21	16 53.81	-22 39.1	1.924	2.914	5.0	20.4	5 21	16 53.05	-23 17.4	2.615	3.604	4.0	21.2
5 31	16 44.95	-22 20.2	1.893	2.906	1.0	20.1	5 31	16 44.83	-23 16.0	2.591	3.604	0.9	21.0
6 10	16 35.80	-21 58.8	1.891	2.898	3.1	20.2	6 10	16 36.43	-23 12.1	2.596	3.603	2.4	21.1
6 20	16 27.32	-21 37.0	1.915	2.890	7.0	20.4	6 20	16 28.54	-23 6.7	2.630	3.602	5.5	21.3
6 30	16 20.38	-21 17.4	1.965	2.881	10.6	20.6	6 30	16 21.82	-23 1.3	2.691	3.601	8.3	21.5
7 10	16 15.58	-21 2.4	2.037	2.872	13.7	20.8	7 10	16 16.74	-22 57.7	2.775	3.599	10.8	21.7
436998	2012 <i>TC</i> ₂₂₀		6 2.5 179°62	2°6/ 1.6 17			273704	2007 <i>EA</i> ₄₇		6 2.5 247°81	2°6/ 3.2 18		
5 1	17 6.28	-15 56.6	2.106	2.975	11.7	21.7	5 1	17 10.42	-29 5.0	1.967	2.824	12.9	20.6
5 11	17 0.64	-15 28.0	2.035	2.976	8.6	21.5	5 11	17 4.17	-29 20.9	1.879	2.811	9.7	20.3
5 21	16 53.26	-15 0.3	1.989	2.976	5.2	21.3	5 21	16 55.56	-29 29.0	1.814	2.797	6.1	20.1
5 31	16 44.82	-14 35.5	1.969	2.976	2.7	21.1	5 31	16 45.39	-29 27.3	1.775	2.782	2.9	19.9
6 10	16 36.21	-14 15.4	1.977	2.976	4.2	21.2	6 10	16 34.75	-29 15.6	1.764	2.768	3.9	19.9
6 20	16 28.27	-14 2.0	2.012	2.976	7.5	21.4	6 20	16 24.80	-28 55.5	1.779	2.753	7.6	20.1
6 30	16 21.77	-13 56.6	2.072	2.975	10.8	21.6	6 30	16 16.60	-28 30.6	1.820	2.737	11.3	20.3
7 10	16 17.25	-13 59.7	2.154	2.975	13.6	21.8	7 10	16 10.89	-28 5.1	1.883	2.721	14.6	20.5
489760	2008 <i>AW</i> ₃₈		6 2.5 115°19	2°4/ 3.6 17			510287	2011 <i>LA</i> ₂₉		6 2.5 213°73	3°2/ 1.2 17		
5 1	17 8.02	-31 10.8	2.559	3.404	10.7	21.8	5 1	17 5.08	-14 24.1	2.280	3.147	11.0	21.1
5 11	17 1.67	-31 6.7	2.496	3.420	8.0	21.6	5 11	16 59.70	-13 42.0	2.205	3.143	8.1	20.9
5 21	16 53.74	-30 54.0	2.457	3.435	5.1	21.5	5 21	16 52.71	-13 1.2	2.155	3.140	5.2	20.7
5 31	16 44.91	-30 32.3	2.446	3.450	2.7	21.3	5 31	16 44.77	-12 24.0	2.132	3.136	3.2	20.5
6 10	16 36.05	-30 2.6	2.463	3.465	3.2	21.4	6 10	16 36.65	-11 53.1	2.138	3.132	4.5	20.6
6 20	16 27.93	-29 27.2	2.509	3.480	5.8	21.6	6 20	16 29.13	-11 30.5	2.170	3.128	7.5	20.8
6 30	16 21.24	-28 49.1	2.581	3.494	8.6	21.8	6 30	16 22.91	-11 17.5	2.228	3.123	10.5	21.0
7 10	16 16.43	-28 11.8	2.678	3.507	11.0	22.0	7 10	16 18.48	-11 14.6	2.308	3.119	13.1	21.2
6510	Tarry		6 2.5 359°44	23°8/ 23.0 18 R			248081	2004 <i>QA</i> ₈		6 2.5 294°25	7°9/ 4.1 18		
5 1	16 59.26	+20 17.3	1.021	1.837	25.0	15.4	5 1	17 12.15	-43 45.1	2.253	3.057	13.3	20.6
5 11	16 56.76	+22 42.1	0.994	1.831	24.2	15.3	5 11	17 5.81	-44 49.1	2.156	3.032	11.3	20.4
5 21	16 51.47	+24 21.1	0.980	1.828	23.8	15.3	5 21	16 56.74	-45 39.1	2.081	3.008	9.3	20.2
5 31	16 44.49	+25 2.6	0.978	1.826	24.0	15.3	5 31	16 45.67	-46 9.9	2.030	2.983	8.1	20.1
6 10	16 37.28	+24 42.2	0.989	1.827	24.6	15.3	6 10	16 33.82	-46 18.0	2.005	2.959	8.2	20.0
6 20	16 31.22	+23 22.2	1.011	1.830	25.6	15.4	6 20	16 22.55	-46 3.7	2.006	2.934	9.8	20.1
6 30	16 27.47	+21 10.7	1.045	1.834	26.8	15.5	6 30	16 13.17	-45 30.6	2.029	2.910	12.0	20.2
7 10	16 26.69	+18 20.4	1.090	1.841	28.0	15.7	7 10	16 6.61	-44 45.0	2.074	2.885	14.4	20.3
353914	2012 <i>XG</i> ₁₂₂		6 2.5 232°12	4°0/ 1.5 17			120495	1993 <i>FZ</i> ₄₆		6 2.5 109°78	1°9/ 3.1		

EPHEMERIDES

6 2.5

6 2.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
27628	2041 <i>P-L</i>		6 2.5 327°88	9°1/ 4.6 18			102157	1999 <i>RV</i> ₂₀₆		6 2.5 211°17	4°5/ 4.8 18		
5 1	17 13.57	-43 12.4	1.738	2.559	15.9	18.6	5 1	17 8.92	-39 57.9	3.081	3.889	10.0	20.2
5 11	17 7.22	-44 22.2	1.667	2.555	13.4	18.4	5 11	17 2.41	-40 8.7	2.992	3.882	8.0	20.1
5 21	16 57.64	-45 14.2	1.616	2.551	10.9	18.3	5 21	16 54.27	-40 7.9	2.928	3.874	6.1	19.9
5 31	16 45.85	-45 41.5	1.588	2.548	9.3	18.2	5 31	16 45.12	-39 53.9	2.890	3.867	4.7	19.8
6 10	16 33.44	-45 41.2	1.584	2.545	9.4	18.1	6 10	16 35.78	-39 26.5	2.881	3.858	4.7	19.8
6 20	16 22.10	-45 14.6	1.604	2.542	11.1	18.2	6 20	16 27.04	-38 47.5	2.900	3.850	6.2	19.9
6 30	16 13.32	-44 27.9	1.646	2.539	13.7	18.4	6 30	16 19.61	-37 59.8	2.946	3.840	8.2	20.0
7 10	16 7.99	-43 29.5	1.708	2.536	16.3	18.6	7 10	16 14.02	-37 7.7	3.015	3.831	10.3	20.2
438985	2010 <i>RP</i> ₄₀		6 2.5 225°37	1°1/ 1.9 18			504817	2010 <i>FF</i> ₂		6 2.5 125°05	7°0/ 4.4 17		
5 1	17 4.47	-20 2.2	2.816	3.677	9.3	22.0	5 1	17 13.80	-40 38.5	2.054	2.873	13.9	21.3
5 11	16 59.05	-19 27.8	2.730	3.669	6.8	21.8	5 11	17 6.77	-41 37.1	1.986	2.879	11.3	21.2
5 21	16 52.28	-18 50.9	2.670	3.660	3.9	21.6	5 21	16 57.10	-42 20.8	1.941	2.885	8.9	21.0
5 31	16 44.68	-18 12.9	2.639	3.650	1.3	21.4	5 31	16 45.74	-42 44.9	1.922	2.891	7.2	21.0
6 10	16 36.93	-17 35.7	2.637	3.641	2.8	21.5	6 10	16 33.98	-42 47.5	1.928	2.897	7.4	21.0
6 20	16 29.66	-17 1.3	2.663	3.630	5.8	21.7	6 20	16 23.17	-42 30.0	1.959	2.902	9.1	21.1
6 30	16 23.46	-16 31.7	2.717	3.620	8.5	21.9	6 30	16 14.48	-41 57.2	2.015	2.907	11.6	21.2
7 10	16 18.80	-16 8.4	2.794	3.609	11.0	22.0	7 10	16 8.62	-41 15.5	2.092	2.912	14.0	21.4
323018	2002 <i>PN</i> ₁₇₅		6 2.5 296°24	2°7/ 3.1 17			166448	2002 <i>PU</i> ₆₉		6 2.5 301°76	0°7/ 2.3 17		
5 1	17 9.72	-27 28.1	1.442	2.319	15.6	21.0	5 1	17 6.07	-22 55.3	1.775	2.652	13.2	19.4
5 11	17 4.39	-27 52.6	1.358	2.301	11.7	20.7	5 11	17 1.05	-22 16.6	1.686	2.632	9.6	19.2
5 21	16 56.03	-28 10.0	1.296	2.284	7.3	20.4	5 21	16 53.79	-21 31.2	1.620	2.613	5.6	18.9
5 31	16 45.53	-28 17.4	1.257	2.266	3.1	20.1	5 31	16 45.06	-20 40.5	1.580	2.593	1.3	18.5
6 10	16 34.31	-28 14.0	1.243	2.249	4.6	20.1	6 10	16 35.94	-19 47.8	1.567	2.574	3.7	18.7
6 20	16 23.91	-28 1.2	1.253	2.232	9.4	20.4	6 20	16 27.51	-18 56.9	1.580	2.555	8.1	18.9
6 30	16 15.77	-27 43.3	1.286	2.215	14.1	20.6	6 30	16 20.80	-18 12.1	1.617	2.537	12.3	19.1
7 10	16 10.84	-27 25.4	1.339	2.198	18.2	20.8	7 10	16 16.49	-17 36.7	1.675	2.518	15.9	19.3
275622	2000 <i>CM</i> ₁₃₀		6 2.5 348°70	3°2/ 1.9 17			507055	2008 <i>VE</i> ₃₄		6 2.5 246°14	0°9/ 2.4 17		
5 1	17 4.71	-17 23.9	0.980	1.889	18.4	20.1	5 1	17 8.03	-19 32.0	1.926	2.796	12.5	21.4
5 11	17 1.12	-17 1.5	0.921	1.881	13.6	19.8	5 11	17 2.23	-19 38.9	1.849	2.792	9.2	21.2
5 21	16 54.24	-16 40.1	0.879	1.875	8.1	19.5	5 21	16 54.36	-19 45.5	1.796	2.787	5.3	20.9
5 31	16 45.16	-16 23.0	0.859	1.870	3.4	19.2	5 31	16 45.17	-19 51.9	1.770	2.783	1.3	20.6
6 10	16 35.57	-16 13.3	0.859	1.866	6.1	19.3	6 10	16 35.65	-19 58.5	1.771	2.778	3.4	20.8
6 20	16 27.19	-16 13.7	0.881	1.863	11.7	19.6	6 20	16 26.81	-20 6.2	1.799	2.773	7.5	21.0
6 30	16 21.50	-16 26.1	0.921	1.861	17.0	19.9	6 30	16 19.59	-20 16.2	1.852	2.768	11.2	21.2
7 10	16 19.36	-16 50.6	0.978	1.861	21.5	20.1	7 10	16 14.61	-20 30.0	1.927	2.763	14.4	21.4
21011	1988 <i>RP</i> ₄		6 2.5 183°40	3°2/ 3.5 18			232111	2001 <i>XD</i> ₂₆₇		6 2.5 144°46	3°5/ 3.3 18		
5 1	17 12.56	-30 41.7	1.796	2.652	14.0	18.3	5 1	17 13.32	-30 59.0	2.169	3.013	12.4	21.1
5 11	17 5.76	-30 52.9	1.722	2.652	10.6	18.1	5 11	17 5.99	-31 42.4	2.101	3.024	9.4	20.9
5 21	16 56.45	-30 53.6	1.672	2.652	6.8	17.8	5 21	16 56.47	-32 17.8	2.058	3.033	6.2	20.8
5 31	16 45.58	-30 41.9	1.646	2.652	3.5	17.6	5 31	16 45.60	-32 42.1	2.041	3.042	3.7	20.6
6 10	16 34.39	-30 17.9	1.648	2.651	4.3	17.7	6 10	16 34.44	-32 54.2	2.053	3.051	4.3	20.7
6 20	16 24.17	-29 44.4	1.677	2.650	8.0	17.9	6 20	16 24.08	-32 55.2	2.093	3.059	7.2	20.9
6 30	16 16.00	-29 6.1	1.730	2.648	11.7	18.1	6 30	16 15.48	-32 47.9	2.159	3.066	10.2	21.1
7 10	16 10.58	-28 28.2	1.805	2.645	15.0	18.3	7 10	16 9.28	-32 36.4	2.248	3.073	13.0	21.3
428730	2008 <i>RF</i> ₈₇		6 2.5 292°49	9°6/ 4.9 16			503052	2015 <i>FJ</i> ₁₆₄		6 2.5 165°85	0°0/ 2.4 17		
5 1	17 13.89	-45 9.5	1.770	2.581	16.1	20.9	5 1	17 8.55	-22 19.6	2.114	2.978	11.8	21.8
5 11	17 7.60	-46 10.8	1.688	2.568	13.7	20.7	5 11	17 2.39	-22 18.5	2.042	2.981	8.6	21.6
5 21	16 57.95	-46 53.0	1.626	2.554	11.4	20.5	5 21	16 54.35	-22 14.4	1.994	2.984	4.9	21.4
5 31	16 45.95	-47 9.1	1.586	2.540	9.9	20.4	5 31	16 45.15	-22 7.3	1.974	2.987	1.0	21.1
6 10	16 33.21	-46 55.8	1.571	2.526	9.9	20.3	6 10	16 35.75	-21 58.0	1.982	2.989	3.0	21.3
6 20	16 21.52	-46 14.4	1.578	2.513	11.5	20.4	6 20	16 27.07	-21 48.2	2.017	2.991	6.8	21.5
6 30	16 12.42	-45 11.3	1.608	2.499	14.0	20.5	6 30	16 19.93	-21 39.8	2.078	2.992	10.2	21.7
7 10	16 6.88	-43 55.8	1.658	2.486	16.7	20.7	7 10	16 14.90	-21 34.9	2.161	2.993	13.2	21.9
512063	2015 <i>MH</i> ₁₁₈		6 2.5 316°68	4°7/ 1.5 18			39596	1993 <i>QZ</i> ₈		6 2.5 178°94	0°4/ 2.4 18		
5 1	17 4.85	-8 21.2	2.114	2.976	11.9	20.9	5 1	17 11.89	-21 37.0	1.844	2.710	13.2	20.0
5 11	16 59.70	-8 13.5	2.037	2.968	9.1	20.7	5 11	17 5.05	-21 31.1	1.772	2.712	9.7	19.7
5 21	16 52.82	-8 13.6	1.984	2.959	6.4	20.5	5 21	16 55.97	-21 22.2	1.723	2.713	5.6	19.5
5 31	16 44.83	-8 23.4	1.956	2.951	4.7	20.4	5 31	16 45.50	-21 10.3	1.701	2.714	1.2	19.2
6 10	16 36.56	-8 44.2	1.956	2.943	5.7	20.5	6 10	16 34.77	-20 56.5	1.707	2.714	3.4	19.4
6 20	16 28.85	-9 15.8	1.982	2.935	8.4	20.6	6 20	16 24.89	-20 42.9	1.740	2.713	7.7	19.6
6 30	16 22.47	-9 57.6	2.033	2.927	11.4	20.8	6 30	16 16.83	-20 32.1	1.798	2.712	11.6	19.9
7 10	16 17.98	-10 48.0	2.106	2.920	14.1	20.9	7 10	16 11.25	-20 26.2	1.878	2.709	14.9	20.1
95581	2002 <i>EH</i> ₁₅₃		6 2.5 89°59	2°6/ 1.4 18			230308	2002 <i>AJ</i> ₁₆₁		6 2.5 208°62	4°1/ 1.1 18		
5 1	17 4.16	-16 15.1	2.300	3.170	10.8	19.5	5 1	17 7.86	-9 57.6	2.396	3.250	11.0	21.5
5 11	16 59.00	-15 31.2	2.231	3.171	7.9	19.3	5 11	17 1.68	-9 30.8	2.316	3.243	8.4	21.4
5 21	16 52.30	-14 47.4	2.185	3.173	4.9	19.1	5 21	16 53.88	-9 8.8	2.260	3.235	5.7	21.2
5 31	16 44.70	-14 6.0	2.168	3.174	2.7	19.0	5 31	16 45.07	-8 53.7	2.232	3.227	4.2	21.1
6 10	16 36.98	-13 29.5	2.178	3.176	4.1	19.1	6 10	16 36.01	-8 47.3	2.232	3.217	5.2	21.1
6 20	16 29.89	-13 0.2	2.215	3.177	7.1	19.3	6 20	16 27.49	-8 50.6	2.260	3.207	7.8	21.3
6 30	16 24.07	-12 39.8	2.278	3.179	10.1	19.4	6 30	16 20.21	-9 4.0	2.314	3.196	10.6	21.4
7 10	16 20.02	-12 29.0	2.363	3.180	12.7	19.6	7 10	16 14.71	-9 26.9	2.390	3.185	13.2	21.6
303674	2005 <i>MV</i> ₄₁		6 2.5 252°15	3°1/ 1.6 18			456422	2006 <i>UW</i> ₃₄₈		6 2.5 9°07			

EPHEMERIDES

6 2.5

6 2.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
2745	San Martín		6 2.5 159°59	11.7/30.8	18		100363	1995 US ₁₄		6 2.6 321°25	1°5/ 2.9	18	
5 1	17 10.61	+ 9 4.3	1.883	2.684	15.6	17.7	5 1	17 6.00	-25 36.6	1.208	2.101	16.8	19.3
5 11	17 3.83	+10 0.6	1.832	2.692	13.7	17.6	5 11	17 2.05	-25 38.6	1.126	2.079	12.6	19.0
5 21	16 55.13	+10 35.4	1.802	2.698	12.3	17.5	5 21	16 54.88	-25 32.6	1.064	2.057	7.5	18.6
5 31	16 45.31	+10 43.5	1.795	2.704	11.7	17.4	5 31	16 45.40	-25 17.5	1.024	2.037	2.2	18.3
6 10	16 35.38	+10 22.5	1.812	2.709	12.3	17.5	6 10	16 35.13	-24 54.0	1.007	2.017	4.5	18.3
6 20	16 26.30	+ 9 33.6	1.851	2.713	13.8	17.6	6 20	16 25.74	-24 25.5	1.013	1.997	10.2	18.6
6 30	16 18.87	+ 8 20.4	1.911	2.717	15.6	17.7	6 30	16 18.81	-23 57.0	1.040	1.979	15.6	18.8
7 10	16 13.66	+ 6 48.7	1.990	2.719	17.5	17.9	7 10	16 15.35	-23 33.9	1.084	1.962	20.2	19.0
38305	1999 RM ₉₆		6 2.5 256°57	0°5/ 2.4	18		341353	2007 TJ ₅₉		6 2.6 243°02	2°1/ 1.9	18	
5 1	17 5.38	-21 4.7	2.552	3.415	10.1	19.3	5 1	17 6.58	-17 19.0	2.103	2.972	11.7	21.5
5 11	16 59.95	-20 57.8	2.461	3.400	7.4	19.0	5 11	17 1.02	-16 58.2	2.022	2.964	8.6	21.3
5 21	16 52.92	-20 48.8	2.395	3.385	4.2	18.8	5 21	16 53.62	-16 37.4	1.966	2.955	5.1	21.0
5 31	16 44.88	-20 38.2	2.357	3.370	1.0	18.6	5 31	16 45.06	-16 18.1	1.936	2.946	2.2	20.8
6 10	16 36.55	-20 26.9	2.348	3.354	2.7	18.7	6 10	16 36.23	-16 1.9	1.934	2.937	3.9	20.9
6 20	16 28.70	-20 16.1	2.367	3.338	6.0	18.9	6 20	16 28.00	-15 50.6	1.960	2.928	7.4	21.1
6 30	16 22.02	-20 7.6	2.412	3.322	9.2	19.0	6 30	16 21.21	-15 45.9	2.010	2.918	10.8	21.3
7 10	16 17.05	-20 2.9	2.480	3.306	11.9	19.2	7 10	16 16.42	-15 48.6	2.083	2.908	13.8	21.5
248182	2005 AV ₂₆		6 2.5 172°83	0°6/ 2.8	17		275898	2001 TM ₈₁		6 2.6 194°63	1°1/ 2.1	17	R
5 1	17 11.37	-25 39.1	1.666	2.535	14.3	20.5	5 1	17 9.08	-20 45.7	2.225	3.087	11.4	21.5
5 11	17 4.85	-25 14.2	1.596	2.537	10.5	20.3	5 11	17 2.69	-20 15.4	2.146	3.085	8.3	21.3
5 21	16 55.91	-24 40.9	1.549	2.539	6.1	20.0	5 21	16 54.51	-19 41.7	2.092	3.081	4.8	21.1
5 31	16 45.49	-23 59.9	1.528	2.540	1.5	19.7	5 31	16 45.23	-19 6.1	2.066	3.078	1.4	20.8
6 10	16 34.87	-23 13.7	1.533	2.541	3.5	19.9	6 10	16 35.76	-18 30.5	2.068	3.073	3.3	20.9
6 20	16 25.27	-22 26.2	1.566	2.542	8.1	20.2	6 20	16 26.97	-17 57.6	2.099	3.068	6.9	21.2
6 30	16 17.73	-21 42.2	1.622	2.542	12.3	20.4	6 30	16 19.65	-17 29.9	2.156	3.062	10.3	21.4
7 10	16 12.83	-21 5.4	1.700	2.541	15.8	20.6	7 10	16 14.33	-17 9.4	2.236	3.056	13.2	21.5
383264	2006 DO ₅₆		6 2.5 246°05	2°8/ 1.8	17		297900	2002 CV ₂₄₁		6 2.6 183°16	5°3/ 30.8	18	
5 1	17 7.50	-14 57.8	1.959	2.828	12.4	21.0	5 1	17 3.44	- 2 34.1	3.140	3.974	9.2	22.0
5 11	17 1.80	-14 44.0	1.879	2.819	9.2	20.7	5 11	16 58.13	- 1 51.0	3.071	3.975	7.4	21.9
5 21	16 54.11	-14 32.7	1.823	2.810	5.7	20.5	5 21	16 51.71	- 1 15.2	3.028	3.974	5.9	21.8
5 31	16 45.14	-14 25.3	1.793	2.801	2.9	20.3	5 31	16 44.65	- 0 49.2	3.012	3.974	5.3	21.7
6 10	16 35.84	-14 23.4	1.791	2.791	4.5	20.4	6 10	16 37.47	- 0 34.6	3.024	3.973	6.0	21.8
6 20	16 27.17	-14 28.0	1.815	2.781	8.1	20.6	6 20	16 30.71	- 0 32.3	3.063	3.971	7.5	21.9
6 30	16 20.03	-14 40.2	1.864	2.770	11.6	20.8	6 30	16 24.86	- 0 42.2	3.127	3.969	9.3	22.0
7 10	16 15.03	-15 0.1	1.934	2.760	14.7	21.0	7 10	16 20.28	- 1 3.0	3.213	3.966	11.0	22.1
478176	2011 UT ₁₉₃		6 2.5 230°03	1°7/ 3.3	18		297690	2001 UZ ₂₁₇		6 2.6 201°38	2°8/ 1.3	16	
5 1	17 7.18	-28 43.9	2.863	3.709	9.6	22.1	5 1	17 5.06	-15 8.6	2.437	3.301	10.5	21.6
5 11	17 1.16	-28 46.7	2.769	3.696	7.2	21.9	5 11	16 59.63	-14 30.1	2.361	3.299	7.7	21.4
5 21	16 53.59	-28 43.4	2.700	3.682	4.5	21.7	5 21	16 52.69	-13 52.4	2.311	3.296	4.8	21.2
5 31	16 45.02	-28 33.2	2.660	3.668	2.0	21.5	5 31	16 44.86	-13 17.5	2.288	3.293	2.8	21.1
6 10	16 36.19	-28 16.6	2.649	3.653	2.7	21.5	6 10	16 36.87	-12 47.8	2.294	3.290	4.1	21.2
6 20	16 27.84	-27 54.9	2.667	3.638	5.5	21.7	6 20	16 29.44	-12 25.1	2.327	3.286	7.0	21.3
6 30	16 20.65	-27 30.3	2.712	3.622	8.3	21.8	6 30	16 23.23	-12 10.8	2.386	3.282	9.8	21.5
7 10	16 15.14	-27 5.7	2.782	3.606	10.8	22.0	7 10	16 18.72	-12 5.6	2.467	3.278	12.4	21.7
24310	1999 YT ₉		6 2.5 231°59	0°7/ 2.7	18		9642	Takatahiro		6 2.6 307°46	1°1/ 2.8	18	R
5 1	17 9.01	-23 34.5	2.187	3.048	11.6	18.3	5 1	17 8.12	-24 13.2	1.388	2.272	15.6	17.8
5 11	17 2.85	-23 54.7	2.102	3.040	8.5	18.1	5 11	17 3.29	-24 26.9	1.302	2.251	11.6	17.5
5 21	16 54.71	-24 12.2	2.043	3.031	5.0	17.9	5 21	16 55.48	-24 36.1	1.237	2.230	6.9	17.2
5 31	16 45.27	-24 25.9	2.010	3.022	1.3	17.6	5 31	16 45.52	-24 39.3	1.196	2.209	1.9	16.8
6 10	16 35.45	-24 35.5	2.006	3.013	3.0	17.7	6 10	16 34.80	-24 36.4	1.180	2.188	4.2	16.9
6 20	16 26.22	-24 41.7	2.030	3.004	6.7	17.9	6 20	16 24.84	-24 29.2	1.187	2.168	9.5	17.2
6 30	16 18.47	-24 46.1	2.079	2.994	10.2	18.1	6 30	16 17.07	-24 20.9	1.217	2.148	14.5	17.4
7 10	16 12.83	-24 51.1	2.152	2.984	13.2	18.3	7 10	16 12.48	-24 15.6	1.265	2.129	18.8	17.6
473277	2015 NT ₁₀		6 2.5 139°63	9°3/ 30.5	17		295356	2008 HP ₃₅		6 2.6 45°00	1°2/ 2.1	18	
5 1	17 5.69	+ 5 34.1	2.246	3.062	13.0	20.8	5 1	17 4.68	-20 0.4	2.260	3.130	11.0	20.4
5 11	17 0.06	+ 6 24.1	2.193	3.068	11.2	20.7	5 11	16 59.47	-19 33.7	2.189	3.131	8.0	20.2
5 21	16 52.90	+ 6 58.1	2.162	3.074	9.8	20.7	5 21	16 52.64	-19 5.0	2.142	3.133	4.6	20.0
5 31	16 44.86	+ 7 12.2	2.156	3.080	9.3	20.6	5 31	16 44.86	-18 35.7	2.122	3.134	1.4	19.8
6 10	16 36.73	+ 7 4.4	2.173	3.086	9.9	20.7	6 10	16 36.92	-18 7.5	2.130	3.135	3.2	19.9
6 20	16 29.23	+ 6 34.9	2.215	3.091	11.3	20.8	6 20	16 29.63	-17 42.8	2.166	3.137	6.6	20.2
6 30	16 23.05	+ 5 45.9	2.279	3.096	13.1	20.9	6 30	16 23.68	-17 23.3	2.227	3.139	9.8	20.4
7 10	16 18.63	+ 4 41.0	2.363	3.101	14.8	21.1	7 10	16 19.57	-17 10.6	2.311	3.140	12.5	20.5
13660	1997 GE ₈		6 2.6 115°43	0°0/ 2.3	18		317857	2003 TL ₃₆		6 2.6 115°69	1°9/ 1.9	17	
5 1	17 11.00	-23 3.9	1.694	2.565	14.0	19.6	5 1	17 9.93	-20 4.1	1.553	2.431	14.6	21.1
5 11	17 4.43	-22 54.5	1.635	2.577	10.2	19.4	5 11	17 3.77	-19 19.4	1.492	2.439	10.6	20.9
5 21	16 55.60	-22 40.4	1.599	2.589	5.8	19.1	5 21	16 55.27	-18 31.2	1.455	2.446	6.2	20.6
5 31	16 45.45	-22 22.1	1.588	2.601	1.2	18.9	5 31	16 45.40	-17 42.3	1.443	2.454	2.2	20.4
6 10	16 35.18	-22 1.0	1.605	2.613	3.4	19.0	6 10	16 35.42	-16 56.2	1.457	2.461	4.4	20.6
6 20	16 25.93	-21 39.8	1.648	2.624	7.8	19.3	6 20	16 26.50	-16 16.8	1.497	2.469	8.9	20.8
6 30	16 18.67	-21 21.5	1.716	2.635	11.8	19.6	6 30	16 19.63	-15 47.4	1.560	2.475	12.9	21.1
7 10	16 13.98	-21 8.7	1.805	2.645	15.1	19.8	7 10	16 15.40	-15 29.7	1.644	2.482	16.4	21.3
475766	2006 WG ₁₈₂		6 2.6 290°70	0°0/ 2.4	18		3429	Chuvaev		6 2.6 289°51	1°0/ 2.3	18	
5 1	17 7.11	-21 3.7	2.094	2.963	11.8	21							

EPHEMERIDES

6 2.6

6 2.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
51252	2000 <i>JT</i> ₄₉		6 2.6 200°59	1°0/ 2.9 18			355205	2006 <i>XF</i> ₇₁		6 2.6 325°85	2°8/ 1.9 18		
5 1	17 7.47	-25 25.7	2.208	3.070	11.5	19.5	5 1	17 5.33	-13 47.8	2.097	2.967	11.7	20.2
5 11	17 1.65	-25 28.0	2.132	3.069	8.4	19.3	5 11	17 0.11	-13 47.1	2.022	2.962	8.7	20.0
5 21	16 53.98	-25 25.3	2.079	3.067	5.0	19.0	5 21	16 53.12	-13 50.5	1.970	2.957	5.4	19.8
5 31	16 45.15	-25 17.2	2.053	3.065	1.5	18.8	5 31	16 45.00	-13 58.8	1.945	2.952	2.9	19.6
6 10	16 36.09	-25 4.3	2.056	3.063	2.9	18.9	6 10	16 36.62	-14 12.9	1.948	2.947	4.2	19.7
6 20	16 27.69	-24 48.2	2.086	3.061	6.5	19.1	6 20	16 28.82	-14 33.3	1.977	2.943	7.5	19.9
6 30	16 20.77	-24 31.5	2.142	3.058	9.9	19.3	6 30	16 22.40	-14 59.9	2.031	2.939	10.8	20.1
7 10	16 15.91	-24 16.8	2.220	3.056	12.8	19.5	7 10	16 17.93	-15 32.5	2.108	2.935	13.6	20.2
363088	2000 <i>SC</i> ₂₆		6 2.6 296°66	3°6/ 1.2 17			124833	2001 <i>SF</i> ₃₅₀		6 2.6 162°88	3°0/ 3.3 17		
5 1	17 8.21	-18 36.3	1.337	2.225	15.9	21.1	5 1	17 13.45	-28 57.3	1.485	2.352	15.8	20.9
5 11	17 3.36	-17 28.7	1.244	2.195	11.8	20.8	5 11	17 6.83	-29 17.8	1.418	2.355	11.8	20.6
5 21	16 55.54	-16 13.8	1.172	2.164	7.2	20.4	5 21	16 57.29	-29 28.7	1.372	2.357	7.4	20.4
5 31	16 45.56	-14 55.6	1.124	2.133	3.6	20.1	5 31	16 45.89	-29 27.1	1.351	2.359	3.5	20.2
6 10	16 34.79	-13 40.3	1.100	2.101	6.3	20.2	6 10	16 34.12	-29 13.1	1.356	2.361	4.6	20.2
6 20	16 24.71	-12 34.8	1.100	2.070	11.5	20.4	6 20	16 23.48	-28 49.4	1.386	2.363	8.9	20.5
6 30	16 16.77	-11 45.2	1.122	2.039	16.7	20.6	6 30	16 15.25	-28 20.8	1.440	2.364	13.2	20.7
7 10	16 11.94	-11 14.9	1.161	2.008	21.2	20.8	7 10	16 10.18	-27 53.0	1.514	2.364	16.9	21.0
437474	2013 <i>YO</i> ₄₆		6 2.6 233°40	0°4/ 2.7 17			308213	2005 <i>EL</i> ₉₆		6 2.6 64°45	1°9/ 2.0 17		
5 1	17 8.83	-22 58.1	1.980	2.847	12.4	21.3	5 1	17 10.26	-20 28.0	1.304	2.190	16.3	20.4
5 11	17 2.86	-23 10.3	1.901	2.841	9.1	21.1	5 11	17 4.19	-19 45.9	1.259	2.209	11.8	20.1
5 21	16 54.78	-23 19.7	1.845	2.835	5.3	20.8	5 21	16 55.55	-19 0.6	1.234	2.228	6.8	19.9
5 31	16 45.34	-23 25.5	1.817	2.829	1.2	20.5	5 31	16 45.48	-18 14.8	1.234	2.246	2.2	19.7
6 10	16 35.55	-23 27.8	1.815	2.823	3.1	20.7	6 10	16 35.45	-17 32.7	1.259	2.265	4.7	19.9
6 20	16 26.44	-23 27.8	1.841	2.817	7.2	20.9	6 20	16 26.77	-16 58.1	1.309	2.284	9.5	20.2
6 30	16 18.95	-23 27.5	1.893	2.810	10.9	21.1	6 30	16 20.45	-16 34.1	1.381	2.303	13.8	20.5
7 10	16 13.73	-23 29.1	1.966	2.803	14.1	21.3	7 10	16 17.04	-16 22.2	1.472	2.322	17.3	20.8
107062	2001 <i>AP</i> ₁₀		6 2.6 110°56	2°4/ 1.9 17 R			419695	2010 <i>UO</i> ₄₁		6 2.6 149°87	0°8/ 2.3 17		
5 1	17 10.38	-17 44.6	1.581	2.457	14.5	20.0	5 1	17 10.16	-21 57.0	1.742	2.613	13.6	21.4
5 11	17 4.03	-17 14.8	1.524	2.469	10.6	19.7	5 11	17 3.83	-21 27.7	1.676	2.619	9.9	21.2
5 21	16 55.39	-16 44.8	1.491	2.481	6.2	19.5	5 21	16 55.29	-20 53.9	1.633	2.624	5.7	20.9
5 31	16 45.44	-16 16.8	1.482	2.492	2.6	19.3	5 31	16 45.45	-20 17.0	1.616	2.629	1.3	20.6
6 10	16 35.38	-15 53.2	1.501	2.504	4.6	19.5	6 10	16 35.44	-19 39.5	1.627	2.633	3.6	20.8
6 20	16 26.38	-15 36.6	1.545	2.515	8.8	19.7	6 20	16 26.39	-19 4.7	1.664	2.637	8.0	21.1
6 30	16 19.38	-15 29.0	1.612	2.525	12.7	20.0	6 30	16 19.21	-18 35.8	1.726	2.641	11.9	21.3
7 10	16 14.97	-15 31.0	1.700	2.536	16.0	20.2	7 10	16 14.52	-18 15.3	1.808	2.644	15.2	21.5
141078	2001 <i>XQ</i> ₃₀		6 2.6 52°89	4°8/ 1.2 14 C			270502	2002 <i>ES</i> ₁₅₉		6 2.6 68°03	1°6/ 2.2 18		
5 1	17 35.06	-22 18.5	0.602	1.503	27.4	19.9	5 1	17 8.10	-18 26.3	1.691	2.568	13.7	20.3
5 11	17 20.92	-19 29.5	0.610	1.566	19.1	19.8	5 11	17 2.36	-18 18.7	1.631	2.577	10.0	20.1
5 21	17 3.92	-16 46.7	0.635	1.629	10.7	19.6	5 21	16 54.47	-18 11.1	1.594	2.585	5.8	19.8
5 31	16 46.87	-14 23.9	0.681	1.691	4.9	19.6	5 31	16 45.28	-18 4.6	1.582	2.594	1.9	19.6
6 10	16 32.34	-12 33.1	0.750	1.751	8.2	20.1	6 10	16 35.92	-18 0.4	1.597	2.603	3.9	19.8
6 20	16 21.72	-11 18.4	0.839	1.810	13.9	20.6	6 20	16 27.47	-17 59.9	1.638	2.612	8.1	20.0
6 30	16 15.48	-10 37.8	0.947	1.868	18.6	21.1	6 30	16 20.85	-18 4.6	1.703	2.621	11.9	20.3
7 10	16 13.39	-10 24.8	1.070	1.924	22.2	21.5	7 10	16 16.64	-18 15.6	1.789	2.630	15.1	20.5
287593	2003 <i>FD</i> ₁₁₉		6 2.6 349°57	6°4/ 31.9 17			242709	2005 <i>UH</i> ₂₄		6 2.6 283°74	2°0/ 1.7 18		
5 1	17 5.21	-12 22.7	1.088	1.988	17.7	19.4	5 1	17 4.57	-18 19.5	2.233	3.103	11.1	20.1
5 11	17 1.15	-11 21.4	1.029	1.982	13.4	19.1	5 11	16 59.49	-17 38.7	2.150	3.092	8.1	19.9
5 21	16 54.14	-10 25.2	0.990	1.978	9.0	18.9	5 21	16 52.73	-16 56.1	2.091	3.081	4.8	19.7
5 31	16 45.23	-9 40.5	0.972	1.974	6.4	18.7	5 31	16 44.93	-16 13.7	2.060	3.069	2.1	19.5
6 10	16 35.95	-9 12.9	0.977	1.971	8.4	18.8	6 10	16 36.90	-15 34.1	2.056	3.058	3.8	19.5
6 20	16 27.81	-9 5.6	1.002	1.970	12.7	19.0	6 20	16 29.44	-14 59.9	2.080	3.047	7.1	19.7
6 30	16 22.08	-9 19.3	1.047	1.969	17.2	19.3	6 30	16 23.30	-14 33.4	2.129	3.036	10.4	19.9
7 10	16 19.53	-9 51.7	1.109	1.969	21.2	19.5	7 10	16 19.02	-14 16.0	2.201	3.024	13.3	20.1
262330	2006 <i>TE</i> ₃₆		6 2.6 335°55	0°6/ 2.7 17			239172	2006 <i>KF</i> ₅₀		6 2.6 212°26	0°6/ 2.4 17		
5 1	17 4.79	-24 29.0	1.148	2.046	17.1	20.0	5 1	17 7.66	-20 44.2	2.070	2.938	11.9	21.2
5 11	17 1.12	-24 21.0	1.075	2.031	12.7	19.6	5 11	17 1.86	-20 41.5	1.994	2.935	8.7	21.0
5 21	16 54.29	-24 5.3	1.023	2.017	7.5	19.3	5 21	16 54.15	-20 37.0	1.942	2.932	5.0	20.8
5 31	16 45.29	-23 41.9	0.992	2.005	1.8	18.9	5 31	16 45.23	-20 31.0	1.916	2.929	1.1	20.5
6 10	16 35.69	-23 12.9	0.983	1.993	4.4	19.0	6 10	16 36.04	-20 24.4	1.919	2.926	3.1	20.7
6 20	16 27.13	-22 42.1	0.997	1.982	10.2	19.3	6 20	16 27.53	-20 18.7	1.948	2.922	7.0	20.9
6 30	16 21.08	-22 14.7	1.032	1.973	15.5	19.6	6 30	16 20.53	-20 15.5	2.004	2.918	10.5	21.1
7 10	16 18.42	-21 54.9	1.084	1.965	20.0	19.8	7 10	16 15.63	-20 16.6	2.081	2.914	13.6	21.3
490684	2010 <i>LL</i> ₃₄		6 2.6 269°40	25°2/ 23.1 18			502503	2015 <i>BS</i> ₄₁₃		6 2.6 271°23	4°1/ 3.6 18		
5 1	17 36.11	+15 9.2	0.984	1.772	27.5	21.8	5 1	17 11.17	-31 53.1	1.684	2.543	14.6	21.5
5 11	17 26.78	+17 49.2	0.884	1.726	26.1	21.5	5 11	17 5.20	-32 17.0	1.598	2.528	11.2	21.2
5 21	17 11.19	+20 10.4	0.797	1.675	25.2	21.2	5 21	16 56.43	-32 30.1	1.535	2.514	7.5	21.0
5 31	16 49.32	+21 46.8	0.728	1.619	25.7	20.9	5 31	16 45.75	-32 29.2	1.496	2.499	4.4	20.8
6 10	16 22.64	+22 10.1	0.676	1.558	28.4	20.8	6 10	16 34.48	-32 13.3	1.483	2.484	5.1	20.8
6 20	15 54.12	+21 0.6	0.642	1.492	33.1	20.7	6 20	16 24.04	-31 44.5	1.496	2.469	8.8	20.9
6 30	15 27.44	+18 16.7	0.623	1.420	39.2	20.7	6 30	16 15.71	-31 7.6	1.532	2.453	12.8	21.1
7 10	15 5.32	+14 16.2	0.615	1.342	46.0	20.7	7 10	16 10.33	-30 28.7	1.589	2.438	16.4	21.3
396129	2013 <i>CX</i> ₂₀₁		6 2.6 60°46	2°4/ 1.8 18			513010	201					

EPHEMERIDES

6 2.6

6 2.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
39417	1100 T-2		6 2.6 55°01	5°4/31.7	18		508400	2016 GA ₂₁₁		6 2.6 313°53	2°0/ 2.1	17	
5 1	17 6.16	-10 55.9	1.664	2.539	13.9	18.8	5 1	17 6.37	-19 31.2	1.269	2.163	16.2	21.2
5 11	17 0.87	-9 59.2	1.607	2.546	10.5	18.6	5 11	17 2.09	-19 6.8	1.188	2.142	12.0	20.9
5 21	16 53.57	-9 7.9	1.574	2.554	7.2	18.5	5 21	16 54.83	-18 39.5	1.127	2.121	7.1	20.5
5 31	16 45.09	-8 26.2	1.566	2.562	5.4	18.4	5 31	16 45.49	-18 11.3	1.088	2.100	2.3	20.2
6 10	16 36.51	-7 57.8	1.583	2.570	6.8	18.5	6 10	16 35.45	-17 45.2	1.074	2.080	5.0	20.3
6 20	16 28.80	-7 44.7	1.625	2.578	9.9	18.7	6 20	16 26.24	-17 24.9	1.082	2.061	10.5	20.5
6 30	16 22.83	-7 47.2	1.690	2.586	13.2	18.9	6 30	16 19.25	-17 13.7	1.112	2.043	15.6	20.7
7 10	16 19.14	-8 4.2	1.775	2.594	16.1	19.1	7 10	16 15.44	-17 14.1	1.159	2.025	20.0	21.0
442099	2010 TD ₆₉		6 2.6 307°99	4°3/ 3.9	18		240209	2002 RP ₂₅₆		6 2.6 283°18	5°7/31.1	18	
5 1	17 7.74	-34 26.1	2.205	3.049	12.2	20.6	5 1	17 5.14	-9 48.7	1.919	2.788	12.7	20.1
5 11	17 2.10	-34 52.4	2.124	3.042	9.5	20.4	5 11	17 0.11	-8 40.9	1.842	2.776	9.8	19.9
5 21	16 54.37	-35 8.4	2.066	3.035	6.7	20.2	5 21	16 53.19	-7 37.1	1.788	2.763	7.0	19.7
5 31	16 45.29	-35 11.7	2.034	3.029	4.5	20.0	5 31	16 45.09	-6 41.6	1.760	2.751	5.7	19.6
6 10	16 35.87	-35 1.6	2.029	3.022	4.8	20.1	6 10	16 36.71	-5 58.8	1.759	2.738	7.0	19.6
6 20	16 27.14	-34 39.8	2.050	3.016	7.3	20.2	6 20	16 28.96	-5 31.5	1.783	2.726	9.9	19.8
6 30	16 20.02	-34 9.7	2.097	3.010	10.2	20.4	6 30	16 22.67	-5 20.9	1.830	2.713	13.0	19.9
7 10	16 15.19	-33 35.8	2.166	3.004	13.0	20.5	7 10	16 18.43	-5 26.5	1.898	2.701	15.8	20.1
81921	2000 NS ₂₁		6 2.6 321°73	2°4/ 3.6	18		160020	1995 FN ₄		6 2.6 105°98	2°3/ 1.9	17	
5 1	17 6.62	-30 51.6	1.856	2.719	13.3	18.4	5 1	17 8.83	-17 8.9	1.716	2.591	13.6	20.9
5 11	17 1.43	-30 24.9	1.773	2.708	10.0	18.2	5 11	17 2.86	-16 50.2	1.655	2.599	10.0	20.7
5 21	16 54.01	-29 45.7	1.712	2.697	6.3	17.9	5 21	16 54.77	-16 32.3	1.617	2.607	5.9	20.5
5 31	16 45.21	-28 54.1	1.678	2.686	2.9	17.7	5 31	16 45.41	-16 16.7	1.605	2.615	2.5	20.3
6 10	16 36.14	-27 52.1	1.669	2.676	3.7	17.7	6 10	16 35.89	-16 5.2	1.620	2.623	4.3	20.4
6 20	16 27.90	-26 44.1	1.688	2.666	7.5	17.9	6 20	16 27.27	-15 59.6	1.660	2.631	8.3	20.7
6 30	16 21.47	-25 35.7	1.731	2.656	11.3	18.1	6 30	16 20.46	-16 1.3	1.725	2.638	12.0	20.9
7 10	16 17.48	-24 31.9	1.796	2.647	14.7	18.3	7 10	16 16.04	-16 10.9	1.811	2.645	15.2	21.1
504567	2008 TN ₂₁		6 2.6 191°60	1°8/ 3.1	17		112562	2002 PA ₄₈		6 2.6 315°83	4°9/31.6	18	
5 1	17 9.46	-27 13.7	2.185	3.042	11.8	22.2	5 1	17 4.81	-12 42.2	1.758	2.635	13.2	19.3
5 11	17 3.18	-27 27.1	2.108	3.041	8.7	22.0	5 11	17 0.00	-11 37.3	1.685	2.626	10.0	19.1
5 21	16 54.92	-27 34.4	2.055	3.040	5.3	21.8	5 21	16 53.17	-10 34.5	1.634	2.617	6.7	18.9
5 31	16 45.42	-27 34.5	2.028	3.038	2.1	21.6	5 31	16 45.09	-9 38.2	1.610	2.608	4.9	18.7
6 10	16 35.63	-27 27.6	2.030	3.036	3.2	21.7	6 10	16 36.75	-8 52.6	1.611	2.600	6.4	18.8
6 20	16 26.54	-27 15.1	2.060	3.033	6.7	21.9	6 20	16 29.13	-8 21.0	1.638	2.592	9.7	19.0
6 30	16 19.00	-26 59.6	2.115	3.030	10.0	22.1	6 30	16 23.11	-8 5.2	1.687	2.584	13.2	19.2
7 10	16 13.64	-26 44.3	2.193	3.027	13.0	22.3	7 10	16 19.29	-8 5.0	1.756	2.577	16.2	19.4
106990	2000 YX ₁₀₂		6 2.6 158°23	3°5/ 1.5	18		376937	2002 CC ₁₉₄		6 2.6 188°06	1°2/ 2.2	17	
5 1	17 10.40	-14 11.8	1.898	2.763	12.9	20.3	5 1	17 8.92	-19 1.7	2.352	3.212	11.0	22.8
5 11	17 3.79	-13 37.7	1.833	2.771	9.6	20.1	5 11	17 2.55	-18 49.9	2.274	3.212	8.0	22.6
5 21	16 55.21	-13 5.9	1.793	2.777	6.0	19.9	5 21	16 54.48	-18 37.1	2.222	3.210	4.6	22.4
5 31	16 45.47	-12 38.8	1.779	2.784	3.5	19.7	5 31	16 45.36	-18 24.0	2.197	3.208	1.5	22.1
6 10	16 35.58	-12 18.9	1.793	2.789	5.0	19.8	6 10	16 36.02	-18 11.8	2.201	3.206	3.2	22.3
6 20	16 26.52	-12 8.0	1.834	2.794	8.5	20.0	6 20	16 27.30	-18 2.0	2.234	3.202	6.6	22.5
6 30	16 19.15	-12 7.1	1.900	2.798	11.9	20.2	6 30	16 19.94	-17 56.1	2.293	3.198	9.8	22.7
7 10	16 14.00	-12 16.5	1.986	2.801	14.8	20.5	7 10	16 14.47	-17 55.4	2.375	3.194	12.6	22.8
398276	2010 TZ ₁₇₄		6 2.6 325°39	4°3/ 4.2	18		385246	2000 WS ₁₅₀		6 2.6 250°75	5°8/ 2.4	18	
5 1	17 7.34	-35 12.3	2.090	2.936	12.7	20.5	5 1	17 20.14	-33 17.4	2.053	2.883	13.5	20.5
5 11	17 1.87	-35 22.6	2.010	2.929	9.9	20.3	5 11	17 11.86	-35 5.9	1.960	2.869	10.6	20.3
5 21	16 54.26	-35 20.5	1.953	2.923	7.0	20.1	5 21	17 0.50	-36 49.3	1.892	2.855	7.8	20.1
5 31	16 45.29	-35 4.2	1.921	2.917	4.6	19.9	5 31	16 46.75	-38 20.1	1.853	2.839	5.9	20.0
6 10	16 36.04	-34 33.8	1.916	2.911	4.9	19.9	6 10	16 31.86	-39 32.3	1.844	2.824	6.6	20.0
6 20	16 27.57	-33 51.9	1.937	2.905	7.5	20.1	6 20	16 17.32	-40 23.4	1.863	2.808	9.3	20.1
6 30	16 20.83	-33 2.7	1.983	2.900	10.5	20.3	6 30	16 4.63	-40 55.1	1.907	2.792	12.5	20.3
7 10	16 16.44	-32 11.5	2.051	2.895	13.4	20.4	7 10	15 54.89	-41 12.6	1.974	2.775	15.4	20.4
430456	2000 WQ ₆₃		6 2.6 171°65	2°5/ 3.3	17		32701	1353 T-2		6 2.6 168°52	0°4/ 2.7	18	
5 1	17 11.03	-29 9.2	2.185	3.036	12.0	21.7	5 1	17 10.14	-23 56.3	1.945	2.810	12.7	19.3
5 11	17 4.34	-29 31.1	2.111	3.039	9.0	21.5	5 11	17 3.77	-23 52.0	1.874	2.813	9.3	19.1
5 21	16 55.59	-29 45.8	2.060	3.042	5.7	21.3	5 21	16 55.30	-23 42.8	1.826	2.816	5.4	18.9
5 31	16 45.57	-29 51.4	2.037	3.044	2.8	21.2	5 31	16 45.55	-23 28.7	1.805	2.818	1.2	18.6
6 10	16 35.27	-29 47.8	2.042	3.045	3.6	21.2	6 10	16 35.58	-23 10.9	1.812	2.820	3.1	18.8
6 20	16 25.71	-29 36.4	2.075	3.046	6.8	21.4	6 20	16 26.42	-22 51.4	1.846	2.821	7.2	19.0
6 30	16 17.79	-29 20.0	2.134	3.047	10.1	21.6	6 30	16 18.98	-22 33.0	1.906	2.822	10.9	19.2
7 10	16 12.13	-29 2.4	2.215	3.047	12.9	21.8	7 10	16 13.87	-22 18.5	1.987	2.823	14.0	19.4
377796	2006 AW ₃₂		6 2.6 108°99	0°9/ 2.8	17		390468	2013 YS ₁₁₈		6 2.6 297°88	0°8/ 2.9	18	
5 1	17 12.24	-23 23.4	2.055	2.914	12.4	21.4	5 1	17 8.88	-26 6.9	1.613	2.487	14.4	19.7
5 11	17 5.09	-23 54.4	1.997	2.933	9.0	21.2	5 11	17 3.63	-25 41.9	1.511	2.454	10.8	19.4
5 21	16 55.95	-24 22.3	1.964	2.952	5.2	21.0	5 21	16 55.65	-25 6.7	1.431	2.421	6.4	19.1
5 31	16 45.63	-24 45.6	1.958	2.970	1.4	20.8	5 31	16 45.70	-24 21.3	1.375	2.388	1.7	18.7
6 10	16 35.17	-25 3.7	1.981	2.988	3.0	21.0	6 10	16 35.01	-23 27.5	1.346	2.355	3.8	18.8
6 20	16 25.56	-25 17.1	2.032	3.006	6.8	21.2	6 20	16 24.95	-22 29.5	1.343	2.321	8.9	19.0
6 30	16 17.66	-25 27.8	2.109	3.022	10.2	21.5	6 30	16 16.81	-21 33.2	1.363	2.288	13.7	19.2
7 10	16 12.03	-25 37.8	2.209	3.039	13.0	21.7	7 10	16 11.53	-20 44.0	1.403	2.254	18.0	19.3
469802	2005 SL ₄₁		6 2.6 275°44	5°5/ 4.3	17		380936	2006 HY ₈₇		6 2.6 37°95	5°2/ 3.7	18 R	
5 1	17 9.54	-38 10.7	2.286	3.115	12.3								

EPHEMERIDES

6 2.6

6 2.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
474742	2005 <i>NM</i> ₁₀₇	6 2.6 220°51	0°6/ 2.4 18				2132	Zhukov	6 2.6 194°25	0°5/ 2.5 18	R		
5 1	17 6.05	-20 52.6	2.663	3.524	9.8	23.1	5 1	17 8.11	-20 35.0	2.142	3.008	11.7	16.3
5 11	17 0.39	-20 41.4	2.577	3.515	7.1	22.9	5 11	17 2.18	-20 37.7	2.066	3.006	8.5	16.1
5 21	16 53.23	-20 28.1	2.517	3.506	4.1	22.7	5 21	16 54.38	-20 39.1	2.015	3.005	4.9	15.8
5 31	16 45.13	-20 13.3	2.485	3.497	1.0	22.4	5 31	16 45.42	-20 39.1	1.991	3.003	1.1	15.5
6 10	16 36.80	-19 58.0	2.481	3.488	2.6	22.6	6 10	16 36.19	-20 38.5	1.995	3.002	3.0	15.7
6 20	16 28.97	-19 43.7	2.507	3.478	5.8	22.8	6 20	16 27.62	-20 38.2	2.026	2.999	6.8	15.9
6 30	16 22.28	-19 31.9	2.559	3.467	8.8	22.9	6 30	16 20.51	-20 39.9	2.083	2.997	10.2	16.1
7 10	16 17.25	-19 24.2	2.635	3.457	11.4	23.1	7 10	16 15.45	-20 45.1	2.163	2.994	13.2	16.3
85848	1998 <i>YP</i> ₂₉	6 2.6 286°17	4°5/ 3.7 17				476150	2007 <i>TG</i> ₃₂₅	6 2.6 274°84	1°1/ 2.2 17			
5 1	17 13.12	-32 30.4	1.428	2.292	16.5	20.6	5 1	17 6.96	-21 16.1	2.038	2.907	12.0	21.6
5 11	17 7.36	-32 40.9	1.328	2.261	12.8	20.2	5 11	17 1.53	-20 43.0	1.947	2.889	8.8	21.3
5 21	16 58.12	-32 37.2	1.249	2.229	8.6	19.9	5 21	16 54.10	-20 5.5	1.879	2.870	5.1	21.1
5 31	16 46.28	-32 14.9	1.193	2.197	5.0	19.6	5 31	16 45.38	-19 25.0	1.839	2.851	1.4	20.8
6 10	16 33.38	-31 32.6	1.162	2.165	5.7	19.6	6 10	16 36.30	-18 44.1	1.826	2.832	3.5	20.9
6 20	16 21.23	-30 33.5	1.155	2.132	10.3	19.7	6 20	16 27.82	-18 5.5	1.840	2.812	7.5	21.1
6 30	16 11.53	-29 24.9	1.171	2.098	15.3	19.9	6 30	16 20.83	-17 32.6	1.879	2.793	11.2	21.3
7 10	16 5.43	-28 16.0	1.206	2.065	19.9	20.1	7 10	16 15.96	-17 7.8	1.941	2.773	14.5	21.5
347873	2002 <i>SN</i> ₅₂	6 2.6 283°33	1°7/ 2.9 18				207694	2007 <i>RB</i> ₃₈	6 2.6 303°78	0°1/ 2.7 18			
5 1	17 9.15	-25 29.7	1.966	2.830	12.6	20.5	5 1	17 7.56	-22 32.1	1.868	2.740	12.8	20.1
5 11	17 3.37	-26 0.2	1.875	2.813	9.4	20.2	5 11	17 2.07	-22 37.5	1.792	2.735	9.4	19.9
5 21	16 55.29	-26 27.3	1.808	2.795	5.7	20.0	5 21	16 54.45	-22 39.9	1.739	2.730	5.4	19.6
5 31	16 45.61	-26 48.8	1.766	2.777	2.1	19.7	5 31	16 45.46	-22 39.2	1.713	2.726	1.2	19.3
6 10	16 35.38	-27 3.9	1.753	2.759	3.5	19.8	6 10	16 36.14	-22 35.8	1.713	2.721	3.2	19.5
6 20	16 25.70	-27 12.8	1.766	2.741	7.5	20.0	6 20	16 27.54	-22 31.2	1.740	2.717	7.4	19.7
6 30	16 17.64	-27 17.7	1.805	2.723	11.3	20.2	6 30	16 20.62	-22 27.6	1.792	2.713	11.2	19.9
7 10	16 11.96	-27 21.2	1.865	2.705	14.6	20.3	7 10	16 16.01	-22 27.1	1.865	2.708	14.5	20.1
335583	2006 <i>DR</i> ₄₀	6 2.6 18°10	6°9/31.8 18				90896	1997 <i>CJ</i> ₃	6 2.6 171°19	3°7/ 1.5 18			
5 1	17 6.30	-5 21.9	1.751	2.614	14.0	20.6	5 1	17 7.81	-12 1.4	2.160	3.022	11.7	19.7
5 11	17 1.00	-4 43.5	1.689	2.615	11.0	20.4	5 11	17 1.82	-11 41.0	2.091	3.025	8.8	19.5
5 21	16 53.72	-4 15.9	1.650	2.616	8.3	20.3	5 21	16 54.12	-11 24.8	2.046	3.027	5.7	19.3
5 31	16 45.25	-4 3.0	1.634	2.617	6.9	20.2	5 31	16 45.37	-11 14.7	2.028	3.029	3.7	19.2
6 10	16 36.56	-4 7.0	1.644	2.618	7.9	20.2	6 10	16 36.44	-11 12.3	2.037	3.030	4.9	19.3
6 20	16 28.63	-4 28.4	1.679	2.619	10.6	20.4	6 20	16 28.16	-11 18.4	2.075	3.031	7.8	19.4
6 30	16 22.33	-5 6.1	1.737	2.621	13.5	20.6	6 30	16 21.28	-11 33.4	2.137	3.032	10.9	19.6
7 10	16 18.22	-5 57.3	1.814	2.622	16.3	20.8	7 10	16 16.32	-11 56.8	2.221	3.032	13.6	19.8
367956	2012 <i>DL</i> ₅₉	6 2.6 130°54	0°0/ 2.4 17				367124	2006 <i>SE</i> ₁₃₁	6 2.6 315°88	1°7/ 2.2 17			
5 1	17 11.81	-22 29.6	1.741	2.609	13.8	21.7	5 1	17 6.53	-19 40.3	1.239	2.133	16.4	21.1
5 11	17 5.08	-22 28.0	1.679	2.620	10.0	21.5	5 11	17 2.32	-19 25.1	1.158	2.112	12.1	20.8
5 21	16 56.08	-22 22.7	1.641	2.631	5.8	21.2	5 21	16 55.06	-19 7.9	1.098	2.092	7.2	20.4
5 31	16 45.73	-22 13.6	1.629	2.642	1.2	20.9	5 31	16 45.66	-18 50.0	1.060	2.072	2.1	20.1
6 10	16 35.23	-22 1.9	1.644	2.652	3.4	21.1	6 10	16 35.52	-18 33.9	1.045	2.053	4.9	20.2
6 20	16 25.70	-21 49.4	1.686	2.661	7.7	21.4	6 20	16 26.21	-18 22.5	1.054	2.034	10.5	20.4
6 30	16 18.11	-21 38.9	1.752	2.670	11.6	21.7	6 30	16 19.17	-18 18.8	1.083	2.017	15.7	20.7
7 10	16 13.07	-21 32.9	1.840	2.678	14.9	21.9	7 10	16 15.39	-18 25.1	1.130	2.000	20.2	20.9
491603	2012 <i>TB</i> ₁₆	6 2.6 284°69	0°0/ 2.6 16				35451	1998 <i>CW</i> ₄	6 2.6 216°72	6°4/ 4.8 18			
5 1	17 7.75	-23 4.4	1.836	2.708	13.0	22.0	5 1	17 14.19	-40 55.9	2.179	2.993	13.3	19.0
5 11	17 2.35	-22 59.3	1.747	2.690	9.6	21.8	5 11	17 7.05	-41 24.9	2.095	2.986	10.9	18.9
5 21	16 54.68	-22 50.1	1.682	2.673	5.6	21.5	5 21	16 57.38	-41 38.4	2.033	2.978	8.4	18.7
5 31	16 45.48	-22 36.7	1.643	2.656	1.2	21.2	5 31	16 46.09	-41 32.6	1.996	2.970	6.7	18.6
6 10	16 35.83	-22 20.2	1.630	2.639	3.3	21.3	6 10	16 34.40	-41 6.4	1.986	2.961	6.7	18.6
6 20	16 26.82	-22 2.5	1.644	2.621	7.8	21.5	6 20	16 23.59	-40 21.9	2.003	2.952	8.6	18.6
6 30	16 19.49	-21 46.7	1.683	2.604	11.8	21.7	6 30	16 14.77	-39 24.2	2.044	2.942	11.2	18.8
7 10	16 14.56	-21 35.3	1.742	2.586	15.3	21.9	7 10	16 8.66	-38 20.1	2.108	2.932	13.8	18.9
338699	2003 <i>UZ</i> ₂₄	6 2.6 235°89	2°8/ 3.5 18				165299	2000 <i>TF</i> ₄₇	6 2.6 207°20	4°0/ 1.6 17			
5 1	17 9.46	-30 33.3	2.105	2.958	12.3	20.9	5 1	17 10.12	-13 30.6	1.617	2.490	14.4	20.4
5 11	17 3.38	-30 43.7	2.022	2.950	9.3	20.7	5 11	17 4.05	-13 2.3	1.546	2.487	10.8	20.2
5 21	16 55.16	-30 45.3	1.962	2.942	6.0	20.5	5 21	16 55.63	-12 37.7	1.498	2.484	6.9	20.0
5 31	16 45.57	-30 36.4	1.929	2.934	3.2	20.3	5 31	16 45.72	-12 19.4	1.475	2.480	4.1	19.8
6 10	16 35.64	-30 17.2	1.923	2.926	3.8	20.3	6 10	16 35.47	-12 9.8	1.479	2.476	5.7	19.9
6 20	16 26.42	-29 49.7	1.944	2.917	7.1	20.5	6 20	16 26.07	-12 10.8	1.508	2.471	9.6	20.1
6 30	16 18.86	-29 17.4	1.991	2.908	10.5	20.7	6 30	16 18.55	-12 23.0	1.560	2.466	13.5	20.3
7 10	16 13.61	-28 44.7	2.060	2.898	13.5	20.9	7 10	16 13.58	-12 46.2	1.632	2.461	16.9	20.5
75192	1999 <i>VG</i> ₁₇₁	6 2.6 295°57	1°3/ 2.9 18				478129	2011 <i>UY</i> ₁₁₉	6 2.6 176°71	6°0/ 3.9 18			
5 1	17 9.26	-25 39.0	1.439	2.319	15.5	19.4	5 1	17 14.61	-41 19.8	2.845	3.643	11.0	21.5
5 11	17 4.14	-25 39.1	1.349	2.295	11.6	19.1	5 11	17 7.02	-42 29.1	2.768	3.644	9.1	21.3
5 21	16 56.05	-25 31.7	1.280	2.271	6.9	18.7	5 21	16 57.28	-43 27.2	2.715	3.645	7.2	21.2
5 31	16 45.83	-25 15.7	1.235	2.248	2.1	18.4	5 31	16 46.08	-44 9.9	2.689	3.646	6.1	21.1
6 10	16 34.84	-24 51.7	1.216	2.224	4.1	18.4	6 10	16 34.39	-44 35.2	2.691	3.647	6.2	21.1
6 20	16 24.60	-24 22.6	1.220	2.200	9.4	18.7	6 20	16 23.23	-44 43.2	2.720	3.647	7.6	21.2
6 30	16 16.53	-23 53.1	1.247	2.177	14.3	18.9	6 30	16 13.58	-44 36.6	2.776	3.647	9.5	21.4
7 10	16 11.60	-23 28.0	1.294	2.154	18.7	19.1	7 10	16 6.13	-44 19.8	2.855	3.646	11.3	21.5
20541	1999 <i>RN</i> ₉₃	6 2.6 202°04	0°4/ 2.7 18				309940	2009 <i>FN</i> ₇₂	6 2.6 318°71	2°3/ 3.1 18</			

EPHEMERIDES

6 2.6

6 2.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
395896	2013 AT ₄₉		6 2.6 162°29	0.4/ 2.7 17			86366	1999 XO ₂₁₃		6 2.6 271°26	2.2/ 1.6 18		
5 1	17 7.71	-22 38.3	2.360	3.221	10.9	21.3	5 1	17 1.91	-13 41.9	3.366	4.224	8.0	19.8
5 11	17 1.79	-22 56.8	2.285	3.223	7.9	21.1	5 11	16 57.20	-13 28.4	3.271	4.204	6.0	19.7
5 21	16 54.13	-23 13.3	2.236	3.225	4.6	20.9	5 21	16 51.37	-13 16.8	3.201	4.184	3.8	19.5
5 31	16 45.39	-23 26.9	2.214	3.227	1.1	20.6	5 31	16 44.84	-13 8.2	3.160	4.164	2.2	19.4
6 10	16 36.42	-23 37.6	2.221	3.228	2.7	20.8	6 10	16 38.09	-13 3.6	3.148	4.144	3.2	19.4
6 20	16 28.03	-23 46.1	2.255	3.229	6.2	21.0	6 20	16 31.66	-13 3.6	3.165	4.123	5.4	19.5
6 30	16 21.00	-23 53.6	2.317	3.231	9.3	21.2	6 30	16 26.01	-13 9.0	3.208	4.102	7.7	19.6
7 10	16 15.87	-24 1.8	2.401	3.232	12.1	21.4	7 10	16 21.56	-13 20.0	3.276	4.081	9.7	19.8
17328	1176 T-2		6 2.6 346°93	1.9/ 3.1 18			501849	2014 WA ₁₉₀		6 2.6 13°91	5.5/ 31.9 17		
5 1	17 6.56	-26 37.7	1.073	1.971	18.1	17.5	5 1	17 7.67	-12 47.7	1.391	2.275	15.6	21.3
5 11	17 2.61	-26 38.2	1.009	1.963	13.5	17.2	5 11	17 2.45	-11 45.1	1.330	2.276	11.7	21.0
5 21	16 55.29	-26 28.6	0.964	1.957	8.1	16.8	5 21	16 54.76	-10 46.0	1.291	2.276	7.8	20.8
5 31	16 45.71	-26 7.7	0.940	1.952	2.7	16.5	5 31	16 45.57	-9 55.6	1.276	2.277	5.5	20.7
6 10	16 35.60	-25 37.2	0.938	1.947	4.7	16.6	6 10	16 36.14	-9 18.6	1.286	2.278	7.2	20.8
6 20	16 26.74	-25 1.5	0.958	1.944	10.4	16.9	6 20	16 27.71	-8 58.2	1.319	2.280	11.0	21.0
6 30	16 20.63	-24 26.5	0.998	1.942	15.7	17.2	6 30	16 21.34	-8 55.6	1.375	2.281	14.9	21.2
7 10	16 18.13	-23 57.8	1.056	1.941	20.2	17.5	7 10	16 17.68	-9 9.6	1.448	2.283	18.4	21.4
229528	2005 XK ₃₈		6 2.6 120°34	1.4/ 2.2 17			63032	Billschmitt		6 2.6 223°55	6.1/ 30.7 18		
5 1	17 8.74	-19 5.9	2.039	2.906	12.1	20.9	5 1	17 4.06	-1 17.5	2.862	3.695	10.0	19.4
5 11	17 2.55	-18 50.3	1.978	2.918	8.8	20.7	5 11	16 58.82	-0 33.3	2.785	3.685	8.2	19.2
5 21	16 54.54	-18 33.7	1.941	2.930	5.1	20.5	5 21	16 52.32	+0 2.5	2.732	3.674	6.7	19.1
5 31	16 45.48	-18 17.1	1.930	2.942	1.6	20.3	5 31	16 45.04	+0 26.8	2.706	3.663	6.1	19.1
6 10	16 36.31	-18 2.2	1.948	2.954	3.4	20.4	6 10	16 37.58	+0 37.7	2.708	3.652	6.8	19.1
6 20	16 27.94	-17 50.5	1.994	2.965	7.1	20.7	6 20	16 30.53	+0 34.5	2.735	3.640	8.4	19.2
6 30	16 21.15	-17 43.7	2.065	2.975	10.5	20.9	6 30	16 24.44	+0 17.2	2.788	3.628	10.3	19.3
7 10	16 16.44	-17 43.1	2.157	2.986	13.3	21.1	7 10	16 19.74	-0 12.6	2.861	3.615	12.2	19.4
403222	2008 US ₁₅₁		6 2.6 190°88	0.2/ 2.6 16			257328	2009 HF ₁₀₁		6 2.6 189°65	0.6/ 2.5 17		
5 1	17 11.84	-22 45.6	1.448	2.326	15.5	22.0	5 1	17 11.62	-20 9.8	1.637	2.510	14.3	20.7
5 11	17 5.63	-22 31.5	1.380	2.325	11.4	21.7	5 11	17 5.26	-20 22.4	1.566	2.510	10.5	20.4
5 21	16 56.67	-22 12.2	1.333	2.325	6.6	21.5	5 21	16 56.40	-20 34.5	1.518	2.509	6.0	20.2
5 31	16 45.97	-21 48.1	1.311	2.324	1.4	21.1	5 31	16 45.93	-20 45.4	1.495	2.508	1.4	19.9
6 10	16 34.92	-21 21.2	1.314	2.322	4.0	21.3	6 10	16 35.09	-20 55.3	1.499	2.507	3.7	20.0
6 20	16 24.94	-20 54.8	1.343	2.321	9.0	21.6	6 20	16 25.10	-21 5.1	1.529	2.505	8.3	20.3
6 30	16 17.20	-20 32.6	1.395	2.319	13.6	21.8	6 30	16 17.09	-21 16.4	1.584	2.503	12.5	20.5
7 10	16 12.45	-20 17.9	1.467	2.317	17.4	22.1	7 10	16 11.77	-21 31.0	1.659	2.501	16.1	20.8
327233	2005 QT ₁₈₇		6 2.6 330°04	1.2/ 2.9 17			294834	2008 CC ₁₄₈		6 2.6 331°69	3.8/ 4.0 17		
5 1	17 5.55	-25 18.1	1.233	2.126	16.6	20.8	5 1	17 7.57	-33 31.0	2.066	2.916	12.6	19.9
5 11	17 1.65	-25 15.3	1.156	2.109	12.3	20.5	5 11	17 2.07	-33 39.4	1.988	2.912	9.7	19.8
5 21	16 54.69	-25 4.7	1.099	2.093	7.3	20.1	5 21	16 54.45	-33 36.5	1.934	2.908	6.6	19.6
5 31	16 45.59	-24 45.5	1.065	2.077	2.0	19.8	5 31	16 45.51	-33 20.8	1.905	2.905	4.1	19.4
6 10	16 35.86	-24 19.3	1.053	2.062	4.3	19.9	6 10	16 36.30	-32 52.5	1.902	2.901	4.5	19.4
6 20	16 27.07	-23 49.5	1.065	2.049	9.8	20.1	6 20	16 27.87	-32 14.2	1.927	2.898	7.3	19.6
6 30	16 20.66	-23 21.0	1.097	2.036	15.0	20.4	6 30	16 21.14	-31 30.0	1.976	2.895	10.4	19.8
7 10	16 17.56	-22 58.5	1.148	2.025	19.4	20.6	7 10	16 16.74	-30 44.6	2.047	2.892	13.4	19.9
358070	2006 HY ₉₈		6 2.6 315°80	1.9/ 2.9 18			439697	2014 KP ₁₄		6 2.6 250°46	3.9/ 1.5 18		
5 1	17 8.00	-25 3.9	1.595	2.472	14.4	20.5	5 1	17 5.17	-9 48.2	2.444	3.302	10.7	20.8
5 11	17 3.06	-25 40.9	1.504	2.448	10.7	20.2	5 11	16 59.85	-9 36.5	2.365	3.295	8.1	20.6
5 21	16 55.39	-26 15.2	1.436	2.426	6.5	19.9	5 21	16 53.01	-9 30.4	2.311	3.288	5.5	20.5
5 31	16 45.76	-26 44.2	1.392	2.403	2.4	19.6	5 31	16 45.21	-9 31.5	2.284	3.280	3.9	20.3
6 10	16 35.36	-27 6.3	1.374	2.381	4.1	19.6	6 10	16 37.18	-9 41.0	2.284	3.273	4.9	20.4
6 20	16 25.56	-27 21.5	1.381	2.360	8.7	19.9	6 20	16 29.64	-9 59.3	2.312	3.265	7.4	20.5
6 30	16 17.66	-27 31.9	1.412	2.339	13.2	20.1	6 30	16 23.26	-10 26.2	2.366	3.257	10.1	20.7
7 10	16 12.62	-27 40.6	1.462	2.319	17.1	20.3	7 10	16 18.53	-11 1.1	2.442	3.249	12.6	20.8
19731	Tochigi		6 2.6 178°12	2.0/ 3.2 18			492375	2014 HQ ₁₁₄		6 2.6 335°82	0.8/ 2.5 16		
5 1	17 8.27	-27 55.2	2.668	3.517	10.2	17.8	5 1	17 6.38	-19 19.5	2.173	3.041	11.4	21.5
5 11	17 2.13	-28 26.6	2.589	3.518	7.6	17.6	5 11	17 0.95	-19 31.3	2.097	3.039	8.3	21.3
5 21	16 54.32	-28 53.2	2.536	3.518	4.7	17.5	5 21	16 53.73	-19 43.2	2.047	3.037	4.8	21.1
5 31	16 45.46	-29 13.4	2.512	3.519	2.3	17.3	5 31	16 45.38	-19 55.2	2.023	3.035	1.2	20.8
6 10	16 36.33	-29 26.8	2.516	3.519	3.0	17.3	6 10	16 36.76	-20 7.5	2.026	3.033	3.0	20.9
6 20	16 27.73	-29 33.7	2.548	3.519	5.8	17.5	6 20	16 28.73	-20 20.5	2.058	3.032	6.7	21.2
6 30	16 20.38	-29 35.9	2.608	3.518	8.6	17.7	6 30	16 22.09	-20 35.4	2.115	3.030	10.0	21.4
7 10	16 14.83	-29 35.6	2.691	3.518	11.0	17.9	7 10	16 17.42	-20 52.9	2.194	3.029	12.9	21.6
388802	2008 BA ₁₁		6 2.6 295°67	3.8/ 1.7 17			182945	2002 GC ₁₀₁		6 2.6 45°77	2.8/ 3.5 17		
5 1	17 6.03	-11 22.4	2.042	2.909	12.1	20.2	5 1	17 7.50	-29 53.9	2.116	2.974	12.1	20.0
5 11	17 0.73	-11 12.7	1.966	2.902	9.1	20.0	5 11	17 1.86	-30 15.3	2.051	2.981	9.1	19.8
5 21	16 53.60	-11 8.6	1.914	2.896	6.0	19.8	5 21	16 54.27	-30 28.9	2.009	2.990	5.8	19.7
5 31	16 45.32	-11 11.8	1.888	2.889	3.9	19.6	5 31	16 45.49	-30 33.2	1.993	2.998	3.1	19.5
6 10	16 36.75	-11 23.5	1.889	2.883	5.1	19.7	6 10	16 36.51	-30 28.3	2.004	3.007	3.7	19.6
6 20	16 28.77	-11 44.0	1.916	2.876	8.1	19.9	6 20	16 28.29	-30 15.5	2.042	3.015	6.8	19.8
6 30	16 22.19	-12 13.5	1.968	2.870	11.3	20.1	6 30	16 21.68	-29 58.0	2.106	3.024	9.9	20.0
7 10	16 17.60	-12 50.9	2.042	2.864	14.2	20.2	7 10	16 17.26	-29 39.1	2.192	3.033	12.7	20.2
82354	2001 MJ ₂		6 2.6 243°90	12.0/ 27.8 18			511789	2015 EZ ₇₄		6 2.6 254°50	6.1/ 4.0 18		
5 1	17 8.52	+11 8.6	2.141	2.928	14.4	19.4	5 1</						

EPHEMERIDES

6 2.6

6 2.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
471466	2011 <i>UJ</i> ₃₀₆		6 2.6 278°47'	4.8/31.7	16		135256	2001 <i>SU</i> ₄₆		6 2.6 247°73'	0.8/2.4	18	
5 1	17 4.63	-9 55.6	2.141	3.006	11.7	21.6	5 1	17 6.68	-20 19.5	2.205	3.072	11.3	19.7
5 11	16 59.63	-9 9.6	2.066	2.998	8.9	21.4	5 11	17 1.18	-20 14.0	2.124	3.065	8.3	19.4
5 21	16 52.95	-8 28.3	2.014	2.990	6.3	21.2	5 21	16 53.88	-20 7.0	2.068	3.058	4.8	19.2
5 31	16 45.23	-7 54.8	1.989	2.982	4.8	21.1	5 31	16 45.45	-19 58.9	2.039	3.051	1.2	18.9
6 10	16 37.28	-7 32.0	1.991	2.974	6.0	21.1	6 10	16 36.75	-19 50.8	2.038	3.044	3.0	19.1
6 20	16 29.91	-7 21.5	2.019	2.966	8.6	21.3	6 20	16 28.63	-19 44.0	2.064	3.037	6.7	19.3
6 30	16 23.85	-7 24.1	2.071	2.958	11.5	21.4	6 30	16 21.90	-19 40.2	2.116	3.030	10.1	19.5
7 10	16 19.63	-7 39.1	2.144	2.950	14.2	21.6	7 10	16 17.12	-19 40.8	2.191	3.023	13.0	19.7
158023	2000 <i>RP</i> ₂₂		6 2.6 233°38'	1.4/2.1	18		499875	2011 <i>FT</i> ₂₇		6 2.6 341°10'	7.9/4.7	17	
5 1	17 8.87	-19 20.8	2.396	3.255	10.8	21.1	5 1	17 13.58	-40 51.9	1.715	2.546	15.7	20.6
5 11	17 2.67	-18 55.9	2.302	3.239	7.9	20.9	5 11	17 7.21	-41 45.5	1.645	2.545	12.9	20.4
5 21	16 54.71	-18 28.8	2.234	3.223	4.6	20.7	5 21	16 57.77	-42 21.8	1.596	2.544	10.1	20.2
5 31	16 45.61	-18 0.6	2.194	3.205	1.6	20.4	5 31	16 46.31	-42 35.4	1.570	2.543	8.2	20.1
6 10	16 36.20	-17 33.1	2.183	3.187	3.3	20.5	6 10	16 34.36	-42 24.0	1.569	2.542	8.2	20.1
6 20	16 27.30	-17 8.4	2.200	3.168	6.7	20.7	6 20	16 23.51	-41 49.8	1.591	2.542	10.3	20.2
6 30	16 19.69	-16 48.6	2.244	3.148	10.0	20.9	6 30	16 15.12	-40 59.0	1.637	2.541	13.1	20.4
7 10	16 13.95	-16 35.4	2.311	3.127	12.9	21.1	7 10	16 10.00	-39 59.7	1.704	2.541	15.9	20.5
384014	2008 <i>UL</i> ₆₇		6 2.6 159°82'	0.8/2.9	18		436918	2012 <i>TH</i> ₉₆		6 2.6 349°98'	1.8/1.9	17	
5 1	17 8.57	-25 29.2	2.065	2.928	12.1	21.5	5 1	17 6.10	-19 36.7	1.717	2.596	13.4	20.6
5 11	17 2.60	-25 18.7	1.993	2.931	8.9	21.3	5 11	17 1.07	-18 59.5	1.647	2.594	9.8	20.4
5 21	16 54.68	-25 2.3	1.945	2.933	5.2	21.1	5 21	16 53.91	-18 19.6	1.600	2.592	5.7	20.1
5 31	16 45.59	-24 39.9	1.923	2.936	1.4	20.9	5 31	16 45.46	-17 39.3	1.579	2.590	2.1	19.9
6 10	16 36.32	-24 13.0	1.930	2.938	3.0	21.0	6 10	16 36.78	-17 1.6	1.584	2.589	4.1	20.0
6 20	16 27.81	-23 43.9	1.964	2.940	6.8	21.2	6 20	16 28.91	-16 29.7	1.615	2.588	8.2	20.3
6 30	16 20.90	-23 15.7	2.024	2.941	10.3	21.4	6 30	16 22.79	-16 6.2	1.670	2.587	12.1	20.5
7 10	16 16.17	-22 51.3	2.105	2.943	13.3	21.6	7 10	16 19.00	-15 52.8	1.745	2.587	15.4	20.7
28622	2000 <i>FJ</i> ₂₉		6 2.6 309°19'	1.3/3.0	18		244203	2001 <i>YJ</i> ₁₃₀		6 2.6 218°44'	4.8/4.5	18	
5 1	17 6.95	-26 5.6	1.827	2.697	13.1	18.5	5 1	17 12.77	-36 44.2	2.117	2.949	13.1	21.1
5 11	17 1.82	-26 6.2	1.744	2.685	9.7	18.3	5 11	17 5.93	-36 52.6	2.032	2.941	10.3	20.9
5 21	16 54.44	-26 0.3	1.683	2.672	5.8	18.0	5 21	16 56.74	-36 47.2	1.970	2.934	7.4	20.7
5 31	16 45.57	-25 47.5	1.648	2.660	1.9	17.7	5 31	16 46.07	-36 25.2	1.933	2.925	5.1	20.6
6 10	16 36.31	-25 28.4	1.640	2.648	3.4	17.8	6 10	16 35.07	-35 46.9	1.924	2.916	5.3	20.6
6 20	16 27.75	-25 5.2	1.658	2.636	7.6	18.0	6 20	16 24.92	-34 54.8	1.943	2.907	7.8	20.7
6 30	16 20.91	-24 41.3	1.700	2.625	11.5	18.3	6 30	16 16.66	-33 54.2	1.987	2.897	10.8	20.9
7 10	16 16.50	-24 20.1	1.764	2.613	14.9	18.4	7 10	16 10.94	-32 51.2	2.053	2.886	13.7	21.1
334864	2003 <i>UN</i> ₁₃₈		6 2.6 145°12'	3.5/1.2	18		272764	2005 <i>YZ</i> ₁₆₆		6 2.6 268°36'	0.9/2.3	18	
5 1	17 6.73	-13 1.5	2.302	3.164	11.1	21.3	5 1	17 9.36	-21 5.3	1.936	2.804	12.6	20.7
5 11	17 0.93	-12 20.4	2.238	3.172	8.3	21.1	5 11	17 3.51	-20 44.1	1.838	2.780	9.3	20.5
5 21	16 53.58	-11 41.9	2.198	3.180	5.4	21.0	5 21	16 55.43	-20 19.0	1.764	2.755	5.4	20.2
5 31	16 45.35	-11 8.4	2.186	3.187	3.5	20.9	5 31	16 45.82	-19 51.0	1.717	2.730	1.4	19.8
6 10	16 37.02	-10 42.4	2.203	3.194	4.7	20.9	6 10	16 35.69	-19 21.8	1.697	2.704	3.6	19.9
6 20	16 29.34	-10 25.3	2.246	3.201	7.5	21.1	6 20	16 26.11	-18 54.1	1.705	2.677	7.9	20.2
6 30	16 22.97	-10 18.3	2.316	3.207	10.3	21.3	6 30	16 18.11	-18 30.9	1.737	2.651	11.9	20.3
7 10	16 18.40	-10 21.3	2.407	3.212	12.8	21.5	7 10	16 12.43	-18 14.9	1.791	2.623	15.5	20.5
133222	2003 <i>QQ</i> ₈₅		6 2.6 246°35'	3.0/1.4	18		477679	2010 <i>QR</i> ₄		6 2.6 352°05'	6.7/4.7	18	
5 1	17 6.99	-15 47.7	2.108	2.975	11.7	20.1	5 1	17 8.13	-38 54.5	1.743	2.586	14.9	19.9
5 11	17 1.42	-15 3.7	2.024	2.963	8.7	19.9	5 11	17 3.05	-39 29.1	1.670	2.581	12.1	19.7
5 21	16 54.03	-14 19.4	1.964	2.951	5.4	19.7	5 21	16 55.28	-39 47.7	1.619	2.577	9.1	19.5
5 31	16 45.48	-13 37.4	1.932	2.938	3.0	19.5	5 31	16 45.78	-39 46.4	1.591	2.574	7.0	19.4
6 10	16 36.64	-13 0.7	1.927	2.925	4.6	19.6	6 10	16 35.88	-39 24.2	1.587	2.571	7.1	19.4
6 20	16 28.40	-12 31.6	1.950	2.911	7.9	19.7	6 20	16 26.95	-38 43.6	1.608	2.569	9.3	19.5
6 30	16 21.57	-12 12.5	1.997	2.897	11.3	19.9	6 30	16 20.19	-37 50.2	1.652	2.567	12.3	19.7
7 10	16 16.72	-12 4.1	2.066	2.883	14.2	20.1	7 10	16 16.32	-36 51.0	1.716	2.567	15.3	19.9
264162	2010 <i>AL</i> ₁₀₂		6 2.6 240°64'	1.5/3.4	18		199541	2006 <i>DV</i> ₂₀₆		6 2.6 251°11'	3.4/3.7	17	
5 1	17 5.32	-29 13.3	2.810	3.660	9.7	20.9	5 1	17 10.89	-31 54.5	2.122	2.970	12.5	20.5
5 11	16 59.89	-28 53.8	2.724	3.653	7.2	20.7	5 11	17 4.60	-32 11.1	2.030	2.954	9.6	20.3
5 21	16 53.00	-28 26.9	2.664	3.647	4.4	20.5	5 21	16 56.03	-32 18.2	1.961	2.937	6.4	20.1
5 31	16 45.24	-27 52.8	2.631	3.640	1.8	20.3	5 31	16 45.94	-32 13.5	1.918	2.920	3.7	19.9
6 10	16 37.33	-27 12.8	2.627	3.633	2.6	20.4	6 10	16 35.38	-31 56.7	1.903	2.903	4.3	19.9
6 20	16 29.97	-26 29.1	2.652	3.626	5.4	20.6	6 20	16 25.47	-31 29.4	1.915	2.885	7.4	20.0
6 30	16 23.78	-25 44.5	2.704	3.619	8.1	20.7	6 30	16 17.22	-30 55.4	1.953	2.867	10.8	20.2
7 10	16 19.23	-25 1.9	2.780	3.611	10.6	20.9	7 10	16 11.36	-30 19.4	2.013	2.848	13.9	20.4
30784	1988 <i>PO</i>		6 2.6 273°70'	1.7/3.3	18		137379	1999 <i>TV</i> ₁₃₈		6 2.6 207°42'	0.9/2.9	17	
5 1	17 10.07	-28 49.3	1.821	2.683	13.5	17.8	5 1	17 11.79	-25 2.1	1.922	2.784	13.0	21.0
5 11	17 4.18	-28 22.8	1.727	2.663	10.2	17.6	5 11	17 5.18	-25 1.5	1.842	2.779	9.6	20.8
5 21	16 55.84	-27 44.9	1.656	2.642	6.2	17.3	5 21	16 56.32	-24 55.2	1.785	2.773	5.6	20.5
5 31	16 45.89	-26 55.1	1.611	2.621	2.3	17.0	5 31	16 45.99	-24 42.6	1.754	2.766	1.5	20.2
6 10	16 35.49	-25 55.6	1.593	2.600	3.5	17.0	6 10	16 35.31	-24 24.5	1.752	2.759	3.2	20.3
6 20	16 25.84	-24 50.5	1.602	2.579	7.9	17.2	6 20	16 25.40	-24 2.9	1.776	2.751	7.4	20.6
6 30	16 18.04	-23 45.4	1.635	2.557	12.1	17.4	6 30	16 17.25	-23 41.2	1.827	2.743	11.3	20.8
7 10	16 12.84	-22 45.8	1.691	2.535	15.7	17.6	7 10	16 11.55	-23 22.6	1.899	2.734	14.6	21.0
128495	2004 <i>PP</i> ₁₆		6 2.6 297°45'	1.7/3.2	18		471673	2012 <i>TT</i> ₁₇₁		6 2.6 271°43'	4.4/31.		

EPHEMERIDES

6 2.6

6 2.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
135650	2002 <i>LH</i> ₄		6 2.6 354°82	2°6/ 2.8 17			257664	1999 <i>VO</i> ₄₆		6 2.7 287°73	5°4/30.9 18		
5 1	17 8.22	-13 4.8	1.012	1.913	18.7	18.6	5 1	17 12.27	-20 52.3	1.036	1.932	18.8	19.8
5 11	17 3.93	-14 8.8	0.950	1.906	14.0	18.3	5 11	17 6.57	-18 14.7	0.970	1.925	13.9	19.4
5 21	16 56.20	-15 28.2	0.907	1.900	8.5	18.0	5 21	16 57.49	-15 19.6	0.925	1.918	8.6	19.1
5 31	16 46.04	-17 0.7	0.885	1.897	3.1	17.6	5 31	16 46.30	-12 18.8	0.904	1.910	5.4	18.9
6 10	16 35.12	-18 41.4	0.886	1.894	5.3	17.8	6 10	16 34.82	-9 28.4	0.908	1.903	8.7	19.1
6 20	16 25.26	-20 24.5	0.910	1.894	11.1	18.1	6 20	16 24.79	-7 3.3	0.935	1.897	14.2	19.3
6 30	16 18.09	-22 5.5	0.954	1.895	16.5	18.4	6 30	16 17.62	-5 13.4	0.982	1.890	19.3	19.6
7 10	16 14.65	-23 41.9	1.016	1.897	21.0	18.7	7 10	16 14.02	-4 0.5	1.045	1.883	23.7	19.9
336270	2008 <i>SV</i> ₁₉₂		6 2.7 318°49	8°0/30.5 18			498286	2007 <i>VX</i> ₆₂		6 2.7 244°34	0°6/ 2.8 17		
5 1	17 4.41	-6 55.7	1.506	2.384	15.0	20.5	5 1	17 11.74	-24 29.2	1.689	2.557	14.1	21.9
5 11	17 0.12	-5 35.7	1.433	2.367	12.0	20.3	5 11	17 5.51	-24 22.6	1.603	2.544	10.4	21.6
5 21	16 53.54	-4 23.0	1.380	2.350	9.2	20.1	5 21	16 56.70	-24 9.9	1.540	2.530	6.1	21.3
5 31	16 45.44	-3 24.1	1.352	2.335	8.0	20.0	5 31	16 46.15	-23 50.6	1.503	2.516	1.5	21.0
6 10	16 36.94	-2 44.9	1.347	2.319	9.5	20.0	6 10	16 35.08	-23 25.8	1.492	2.501	3.6	21.1
6 20	16 29.16	-2 28.8	1.365	2.304	12.5	20.1	6 20	16 24.80	-22 58.2	1.508	2.485	8.3	21.3
6 30	16 23.13	-2 36.3	1.404	2.290	16.0	20.3	6 30	16 16.45	-22 31.7	1.549	2.469	12.7	21.6
7 10	16 19.58	-3 5.1	1.460	2.277	19.1	20.5	7 10	16 10.84	-22 10.1	1.609	2.452	16.4	21.8
412446	2014 <i>FQ</i> ₆₂		6 2.7 54°03	4°5/ 3.4 17			144744	2004 <i>GC</i> ₆₂		6 2.7 266°07	0°8/ 2.9 17		
5 1	17 11.82	-32 15.9	2.017	2.865	13.0	20.7	5 1	17 7.28	-24 41.5	2.119	2.984	11.8	20.5
5 11	17 5.25	-33 22.1	1.957	2.878	10.0	20.5	5 11	17 1.72	-24 45.8	2.043	2.982	8.7	20.3
5 21	16 56.38	-34 19.6	1.920	2.892	6.9	20.3	5 21	16 54.25	-24 45.6	1.991	2.979	5.1	20.1
5 31	16 46.04	-35 4.5	1.910	2.906	4.7	20.2	5 31	16 45.59	-24 40.6	1.965	2.977	1.4	19.8
6 10	16 35.37	-35 34.7	1.928	2.920	5.2	20.3	6 10	16 36.67	-24 31.3	1.967	2.975	2.9	19.9
6 20	16 25.52	-35 50.7	1.972	2.934	7.8	20.5	6 20	16 28.41	-24 19.3	1.997	2.973	6.6	20.2
6 30	16 17.50	-35 55.3	2.041	2.949	10.7	20.7	6 30	16 21.66	-24 6.9	2.052	2.971	10.1	20.4
7 10	16 12.00	-35 52.8	2.132	2.963	13.4	20.9	7 10	16 17.00	-23 56.6	2.129	2.969	13.1	20.6
187168	2005 <i>SR</i> ₈		6 2.7 54°89	1°7/ 3.2 17			313920	2004 <i>RQ</i>		6 2.7 304°25	3°8/ 4.3 18		
5 1	17 7.04	-27 22.2	2.215	3.075	11.5	20.6	5 1	17 8.62	-34 39.3	2.096	2.940	12.7	20.6
5 11	17 1.47	-27 32.8	2.144	3.078	8.5	20.4	5 11	17 3.07	-34 25.1	1.988	2.909	9.9	20.4
5 21	16 54.07	-27 37.4	2.096	3.081	5.2	20.2	5 21	16 55.22	-33 56.9	1.904	2.877	6.8	20.1
5 31	16 45.53	-27 35.1	2.075	3.084	2.1	20.0	5 31	16 45.83	-33 12.9	1.845	2.846	4.1	19.9
6 10	16 36.78	-27 26.3	2.081	3.087	3.1	20.1	6 10	16 35.95	-32 13.8	1.814	2.814	4.4	19.8
6 20	16 28.70	-27 12.6	2.115	3.090	6.4	20.3	6 20	16 26.71	-31 2.8	1.809	2.782	7.5	20.0
6 30	16 22.12	-26 56.5	2.175	3.094	9.6	20.5	6 30	16 19.14	-29 45.4	1.831	2.751	11.1	20.1
7 10	16 17.57	-26 40.8	2.257	3.097	12.4	20.7	7 10	16 13.99	-28 27.8	1.875	2.719	14.4	20.2
87308	2000 <i>PY</i> ₂₈		6 2.7 217°92	6°1/ 4.3 18			21981	1999 <i>XX</i> ₅		6 2.7 45°66	1°2/ 2.9 18		
5 1	17 14.52	-39 8.2	2.217	3.036	13.0	19.4	5 1	17 9.06	-24 28.6	1.704	2.577	13.8	17.4
5 11	17 7.37	-39 51.9	2.132	3.028	10.5	19.2	5 11	17 3.33	-24 48.8	1.641	2.584	10.1	17.2
5 21	16 57.70	-40 22.6	2.070	3.019	8.0	19.0	5 21	16 55.29	-25 4.7	1.601	2.591	6.0	17.0
5 31	16 46.34	-40 35.9	2.033	3.010	6.3	18.9	5 31	16 45.82	-25 15.0	1.586	2.598	1.8	16.7
6 10	16 34.48	-40 30.2	2.023	3.000	6.4	18.9	6 10	16 36.09	-25 19.7	1.598	2.606	3.4	16.8
6 20	16 23.38	-40 6.8	2.040	2.990	8.4	19.0	6 20	16 27.26	-25 20.0	1.636	2.613	7.7	17.1
6 30	16 14.15	-39 29.7	2.083	2.979	11.1	19.2	6 30	16 20.34	-25 18.6	1.698	2.622	11.5	17.3
7 10	16 7.56	-38 45.0	2.147	2.967	13.7	19.3	7 10	16 15.96	-25 18.0	1.781	2.630	14.8	17.6
277829	2006 <i>HL</i> ₂₅		6 2.7 354°13	5°1/31.9 17			355175	2006 <i>WV</i> ₄₇		6 2.7 188°61	0°9/ 3.0 17		
5 1	17 2.75	-14 1.3	1.345	2.239	15.4	19.7	5 1	17 6.95	-25 32.5	2.528	3.385	10.4	21.7
5 11	16 59.05	-12 56.3	1.281	2.233	11.5	19.5	5 11	17 1.21	-25 33.5	2.450	3.385	7.6	21.5
5 21	16 52.93	-11 53.3	1.239	2.228	7.6	19.2	5 21	16 53.85	-25 29.9	2.397	3.384	4.5	21.3
5 31	16 45.31	-10 57.7	1.221	2.224	5.2	19.1	5 31	16 45.50	-25 21.3	2.371	3.383	1.4	21.1
6 10	16 37.41	-10 14.6	1.226	2.221	7.0	19.2	6 10	16 36.95	-25 8.5	2.374	3.382	2.6	21.2
6 20	16 30.42	-9 47.7	1.254	2.219	10.9	19.4	6 20	16 28.97	-24 52.8	2.406	3.380	5.8	21.4
6 30	16 25.38	-9 38.9	1.303	2.219	14.9	19.6	6 30	16 22.27	-24 36.4	2.463	3.378	8.8	21.6
7 10	16 22.97	-9 47.5	1.370	2.220	18.4	19.9	7 10	16 17.37	-24 21.6	2.545	3.376	11.5	21.8
332296	2006 <i>UK</i> ₉₂		6 2.7 314°54	0°1/ 2.7 18			512573	2016 <i>SH</i> ₃₂		6 2.7 222°32	4°5/31.8 18		
5 1	17 3.10	-22 51.3	2.683	3.548	9.6	20.7	5 1	17 4.00	-8 50.5	2.497	3.355	10.5	21.0
5 11	16 58.43	-22 53.2	2.591	3.530	7.0	20.5	5 11	16 58.97	-8 12.4	2.424	3.351	8.1	20.8
5 21	16 52.28	-22 52.7	2.523	3.513	4.1	20.3	5 21	16 52.52	-7 39.5	2.376	3.348	5.7	20.7
5 31	16 45.16	-22 49.7	2.483	3.496	0.9	20.0	5 31	16 45.22	-7 14.3	2.355	3.345	4.5	20.6
6 10	16 37.76	-22 44.8	2.471	3.479	2.4	20.1	6 10	16 37.75	-6 58.7	2.362	3.341	5.4	20.6
6 20	16 30.78	-22 39.0	2.488	3.463	5.6	20.3	6 20	16 30.78	-6 54.1	2.395	3.338	7.7	20.8
6 30	16 24.87	-22 33.9	2.530	3.446	8.6	20.5	6 30	16 24.94	-7 0.7	2.454	3.334	10.2	20.9
7 10	16 20.55	-22 30.8	2.596	3.430	11.2	20.6	7 10	16 20.69	-7 17.9	2.534	3.330	12.5	21.1
171750	2000 <i>YS</i> ₁₀		6 2.7 225°73	3°4/ 1.9 17			435848	2008 <i>WJ</i> ₁₂₃		6 2.7 195°97	0°2/ 2.7 17		
5 1	17 10.64	-14 18.3	1.693	2.563	14.0	20.5	5 1	17 10.13	-21 38.6	2.201	3.061	11.6	21.8
5 11	17 4.49	-14 2.3	1.616	2.556	10.4	20.2	5 11	17 3.75	-22 4.2	2.122	3.060	8.5	21.5
5 21	16 56.00	-13 49.6	1.562	2.548	6.5	20.0	5 21	16 55.43	-22 28.7	2.069	3.057	4.9	21.3
5 31	16 45.98	-13 42.2	1.533	2.540	3.5	19.8	5 31	16 45.86	-22 51.0	2.042	3.055	1.1	21.0
6 10	16 35.55	-13 41.6	1.531	2.531	5.2	19.9	6 10	16 35.95	-23 10.7	2.045	3.052	2.9	21.2
6 20	16 25.86	-13 49.3	1.555	2.521	9.1	20.1	6 20	16 26.65	-23 27.9	2.075	3.049	6.6	21.4
6 30	16 17.97	-14 6.0	1.603	2.512	13.1	20.3	6 30	16 18.81	-23 43.8	2.132	3.046	10.0	21.6
7 10	16 12.60	-14 31.7	1.672	2.501	16.5	20.5	7 10	16 13.05	-24 0.1	2.212	3.042	13.0	21.8
264170	2010 <i>CE</i> ₇₈		6 2.7 143°62	1°3/ 3.1 17			231907	2000 <i>YX</i> ₃₉		6 2.7 158°16	1°2/ 3.2 1		

EPHEMERIDES

6 2.7

6 2.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
34831	2001 SA ₂₃₄		6 2.7 136°51	3°4/ 1.8	17		185054	2006 RA ₁₉		6 2.7 291°27	0°0/ 2.5	18	
5 1	17 11.62	-15 19.0	1.497	2.373	15.2	19.3	5 1	17 9.45	-23 6.6	1.474	2.354	15.1	20.7
5 11	17 5.24	-14 52.1	1.437	2.380	11.2	19.1	5 11	17 4.26	-22 59.1	1.385	2.332	11.2	20.4
5 21	16 56.39	-14 27.6	1.400	2.388	6.9	18.8	5 21	16 56.21	-22 46.5	1.317	2.309	6.6	20.1
5 31	16 46.06	-14 7.9	1.387	2.395	3.6	18.6	5 31	16 46.13	-22 28.4	1.273	2.286	1.4	19.7
6 10	16 35.52	-13 55.4	1.400	2.401	5.4	18.8	6 10	16 35.34	-22 6.3	1.255	2.263	4.0	19.8
6 20	16 26.03	-13 52.0	1.439	2.407	9.5	19.0	6 20	16 25.26	-21 42.9	1.261	2.240	9.3	20.1
6 30	16 18.62	-13 58.8	1.501	2.413	13.6	19.3	6 30	16 17.25	-21 22.2	1.290	2.217	14.1	20.3
7 10	16 13.93	-14 15.9	1.583	2.418	17.0	19.5	7 10	16 12.22	-21 7.8	1.338	2.195	18.4	20.5
300967	2008 DQ ₈₃		6 2.7 92°88	4°1/31.9	17		500893	2013 LJ ₉		6 2.7 313°07	0°0/ 2.6	17	
5 1	17 5.73	-10 28.2	2.513	3.370	10.4	21.6	5 1	17 9.77	-20 27.5	1.274	2.162	16.5	21.2
5 11	17 0.01	-9 40.0	2.465	3.394	7.9	21.5	5 11	17 4.75	-20 55.0	1.198	2.148	12.2	20.9
5 21	16 53.00	-8 56.2	2.443	3.417	5.4	21.3	5 21	16 56.60	-21 23.7	1.142	2.135	7.1	20.6
5 31	16 45.30	-8 19.5	2.448	3.441	4.1	21.3	5 31	16 46.23	-21 52.0	1.109	2.122	1.5	20.2
6 10	16 37.61	-7 51.9	2.481	3.463	5.0	21.4	6 10	16 35.10	-22 18.8	1.101	2.110	4.3	20.3
6 20	16 30.58	-7 34.8	2.542	3.486	7.3	21.6	6 20	16 24.82	-22 44.2	1.116	2.098	9.9	20.6
6 30	16 24.77	-7 28.5	2.629	3.508	9.6	21.8	6 30	16 16.88	-23 9.4	1.154	2.086	15.0	20.8
7 10	16 20.54	-7 32.7	2.737	3.530	11.8	21.9	7 10	16 12.27	-23 36.5	1.209	2.076	19.3	21.1
96784	1999 RP ₁₀₁		6 2.7 231°09	2°6/ 3.8	18		77226	2001 FE ₃₄		6 2.7 53°94	1°6/ 3.1	17	
5 1	17 10.34	-31 22.5	2.134	2.983	12.3	19.8	5 1	17 11.10	-26 9.8	1.302	2.184	16.6	19.4
5 11	17 4.03	-31 8.7	2.048	2.974	9.3	19.5	5 11	17 5.23	-26 15.0	1.252	2.198	12.2	19.1
5 21	16 55.62	-30 43.9	1.985	2.965	6.0	19.3	5 21	16 56.52	-26 12.0	1.223	2.213	7.3	18.9
5 31	16 45.90	-30 7.3	1.949	2.955	3.0	19.1	5 31	16 46.13	-26 0.0	1.217	2.228	2.3	18.6
6 10	16 35.90	-29 20.2	1.940	2.944	3.6	19.1	6 10	16 35.61	-25 40.2	1.236	2.244	4.1	18.8
6 20	16 26.66	-28 25.8	1.960	2.934	7.0	19.3	6 20	16 26.43	-25 16.1	1.279	2.260	8.9	19.1
6 30	16 19.10	-27 28.6	2.006	2.923	10.4	19.5	6 30	16 19.75	-24 52.2	1.345	2.276	13.4	19.4
7 10	16 13.84	-26 33.4	2.074	2.911	13.5	19.7	7 10	16 16.18	-24 32.5	1.430	2.292	17.1	19.7
145025	2005 EH ₂₆₄		6 2.7 353°10	0°5/ 2.5	17		74278	1998 SR ₁₁₉		6 2.7 211°41	3°4/ 1.3	18	
5 1	17 5.28	-22 30.0	1.111	2.012	17.4	19.7	5 1	17 6.67	-12 23.6	2.534	3.392	10.4	20.6
5 11	17 1.50	-22 13.0	1.048	2.006	12.8	19.4	5 11	17 0.93	-11 50.8	2.453	3.384	7.8	20.4
5 21	16 54.62	-21 50.4	1.005	2.001	7.4	19.1	5 21	16 53.69	-11 20.6	2.397	3.377	5.1	20.3
5 31	16 45.72	-21 23.5	0.984	1.997	1.6	18.7	5 31	16 45.53	-10 55.1	2.369	3.369	3.4	20.1
6 10	16 36.39	-20 55.0	0.986	1.995	4.5	18.9	6 10	16 37.14	-10 36.2	2.369	3.360	4.5	20.2
6 20	16 28.22	-20 29.0	1.009	1.994	10.2	19.2	6 20	16 29.26	-10 25.4	2.398	3.350	7.2	20.3
6 30	16 22.57	-20 9.6	1.053	1.993	15.3	19.5	6 30	16 22.54	-10 23.6	2.452	3.340	9.9	20.5
7 10	16 20.23	-19 59.8	1.115	1.995	19.7	19.7	7 10	16 17.47	-10 30.9	2.529	3.330	12.4	20.7
85053	6789 P-L		6 2.7 224°87	0°9/ 2.4	18		33904	Janardhanan		6 2.7 120°03	2°0/ 2.0	18	
5 1	17 6.68	-19 48.8	2.510	3.371	10.3	20.2	5 1	17 9.51	-18 39.4	1.758	2.630	13.5	19.0
5 11	17 1.02	-19 40.5	2.425	3.363	7.5	20.0	5 11	17 3.43	-18 9.2	1.696	2.639	9.8	18.8
5 21	16 53.76	-19 30.9	2.365	3.354	4.4	19.8	5 21	16 55.26	-17 37.9	1.658	2.648	5.8	18.6
5 31	16 45.50	-19 20.6	2.333	3.345	1.2	19.5	5 31	16 45.86	-17 7.2	1.646	2.657	2.2	18.4
6 10	16 36.99	-19 10.5	2.330	3.336	2.8	19.6	6 10	16 36.32	-16 39.6	1.661	2.665	4.1	18.5
6 20	16 28.98	-19 2.1	2.355	3.326	6.1	19.8	6 20	16 27.69	-16 17.7	1.702	2.673	8.1	18.8
6 30	16 22.18	-18 56.6	2.407	3.316	9.2	20.0	6 30	16 20.85	-16 3.6	1.768	2.681	11.8	19.0
7 10	16 17.11	-18 55.6	2.482	3.306	11.9	20.2	7 10	16 16.38	-15 58.5	1.855	2.688	15.0	19.2
191709	2004 RT ₁₉₄		6 2.7 290°84	2°5/ 3.3	18		522698	2016 LL ₅₉		6 2.7 263°51	8°0/31.1	18	
5 1	17 8.79	-28 32.8	1.619	2.490	14.5	20.1	5 1	17 7.60	-2 41.5	1.863	2.714	13.8	21.0
5 11	17 3.60	-28 39.4	1.531	2.471	10.9	19.9	5 11	17 2.12	-1 51.0	1.783	2.697	11.2	20.8
5 21	16 55.72	-28 36.9	1.465	2.452	6.9	19.6	5 21	16 54.61	-1 11.6	1.726	2.680	9.0	20.6
5 31	16 45.98	-28 23.6	1.423	2.433	3.0	19.3	5 31	16 45.75	-0 48.1	1.693	2.663	8.0	20.5
6 10	16 35.65	-27 59.7	1.407	2.414	4.1	19.3	6 10	16 36.50	-0 43.9	1.686	2.646	9.0	20.6
6 20	16 26.08	-27 27.7	1.417	2.395	8.5	19.5	6 20	16 27.82	-1 0.3	1.703	2.628	11.4	20.7
6 30	16 18.51	-26 52.2	1.449	2.377	12.9	19.7	6 30	16 20.64	-1 36.5	1.743	2.610	14.3	20.8
7 10	16 13.78	-26 18.4	1.502	2.359	16.7	19.9	7 10	16 15.61	-2 29.7	1.802	2.591	17.1	20.9
290867	2005 WT ₅₅		6 2.7 107°46	0°6/ 2.9	17		283692	2002 RJ ₁₀₉		6 2.7 238°69	3°4/ 3.8	17	
5 1	17 12.20	-25 22.3	1.331	2.211	16.5	20.4	5 1	17 9.59	-32 21.8	2.120	2.969	12.4	20.6
5 11	17 6.05	-25 0.6	1.270	2.217	12.1	20.2	5 11	17 3.59	-32 33.4	2.039	2.963	9.5	20.4
5 21	16 57.02	-24 30.1	1.231	2.222	7.1	19.9	5 21	16 55.44	-32 34.9	1.980	2.956	6.4	20.2
5 31	16 46.22	-23 51.3	1.215	2.228	1.7	19.6	5 31	16 45.92	-32 24.5	1.948	2.950	3.7	20.0
6 10	16 35.20	-23 7.0	1.224	2.233	4.0	19.7	6 10	16 36.09	-32 2.4	1.943	2.943	4.2	20.1
6 20	16 25.45	-22 21.9	1.258	2.238	9.2	20.1	6 20	16 26.99	-31 30.5	1.966	2.937	7.1	20.2
6 30	16 18.17	-21 41.3	1.315	2.243	13.9	20.3	6 30	16 19.56	-30 52.9	2.013	2.930	10.4	20.4
7 10	16 14.04	-21 9.4	1.391	2.248	17.8	20.6	7 10	16 14.46	-30 13.9	2.083	2.923	13.3	20.6
386910	2011 HV ₇₄		6 2.7 283°17	7°2/ 1.0	18		144100	2004 BN ₆₂		6 2.7 296°34	7°4/ 1.5	18	
5 1	17 7.36	-3 34.3	1.865	2.719	13.7	20.6	5 1	17 9.59	-5 59.9	1.452	2.321	16.0	19.3
5 11	17 1.94	-3 9.3	1.786	2.704	11.0	20.4	5 11	17 4.30	-5 40.4	1.362	2.293	12.7	19.0
5 21	16 54.49	-2 56.3	1.728	2.689	8.5	20.2	5 21	16 56.25	-5 33.8	1.293	2.265	9.4	18.8
5 31	16 45.71	-2 58.8	1.696	2.674	7.2	20.1	5 31	16 46.18	-5 44.5	1.246	2.237	7.4	18.6
6 10	16 36.53	-3 19.2	1.689	2.660	8.1	20.1	6 10	16 35.28	-6 15.6	1.224	2.209	8.7	18.6
6 20	16 27.93	-3 57.4	1.708	2.645	10.6	20.2	6 20	16 24.89	-7 7.2	1.226	2.181	12.3	18.7
6 30	16 20.82	-4 52.0	1.749	2.630	13.6	20.4	6 30	16 16.35	-8 17.6	1.250	2.152	16.4	18.8
7 10	16 15.87	-5 59.9	1.811	2.615	16.4	20.6	7 10	16 10.63	-9 43.0	1.292	2.125	20.3	19.0
111231	2001 WM ₆₀		6 2.7 298°62	0°1/ 2.7	18		343378	2010 CM ₁₂₇		6 2.7 260°64	6°0/31.2	18	
5 1	16 59.14	-23 19.1	4.282	5.138	6.5	20.3	5 1</						

EPHEMERIDES

6 2.7

6 2.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
69456	1996 <i>TO</i> ₃₃		6 2.7 218°08	2°3/	1.9 17		471621	2012 <i>TM</i> ₁₆		6 2.7 134°30	1°4/	3.1 17	
5 1	17 10.58	-18 15.8	1.789	2.659	13.4	20.1	5 1	17 9.01	-26 9.3	2.037	2.899	12.3	20.9
5 11	17 4.37	-17 40.8	1.710	2.652	9.8	19.8	5 11	17 3.06	-26 19.0	1.966	2.902	9.1	20.7
5 21	16 55.92	-17 4.0	1.655	2.644	5.9	19.6	5 21	16 55.10	-26 23.2	1.919	2.906	5.4	20.5
5 31	16 46.05	-16 27.4	1.626	2.636	2.4	19.3	5 31	16 45.88	-26 20.9	1.898	2.909	1.9	20.2
6 10	16 35.85	-15 53.9	1.624	2.627	4.4	19.4	6 10	16 36.43	-26 12.5	1.905	2.912	3.1	20.3
6 20	16 26.41	-15 26.2	1.649	2.618	8.5	19.7	6 20	16 27.73	-25 59.7	1.940	2.915	6.8	20.6
6 30	16 18.72	-15 7.1	1.698	2.608	12.4	19.9	6 30	16 20.67	-25 45.2	1.999	2.918	10.3	20.8
7 10	16 13.46	-14 58.2	1.769	2.597	15.8	20.1	7 10	16 15.83	-25 31.8	2.081	2.921	13.3	21.0
310644	2002 <i>CN</i> ₂₂₉		6 2.7 154°88	3°6/	1.7 16		12281	Chaumont		6 2.7 346°57	2°8/	1.9 18	
5 1	17 11.41	-14 14.6	1.715	2.584	13.9	21.9	5 1	17 7.47	-15 10.7	1.831	2.703	13.0	17.1
5 11	17 4.86	-13 44.7	1.652	2.591	10.3	21.7	5 11	17 2.01	-14 58.4	1.761	2.703	9.6	16.9
5 21	16 56.13	-13 17.6	1.612	2.598	6.5	21.5	5 21	16 54.52	-14 48.9	1.715	2.703	5.9	16.7
5 31	16 46.08	-12 55.7	1.598	2.603	3.7	21.3	5 31	16 45.77	-14 43.6	1.694	2.702	2.9	16.5
6 10	16 35.85	-12 41.4	1.611	2.609	5.3	21.5	6 10	16 36.75	-14 43.9	1.700	2.702	4.5	16.6
6 20	16 26.51	-12 36.4	1.650	2.613	9.0	21.7	6 20	16 28.47	-14 50.8	1.733	2.702	8.1	16.8
6 30	16 19.02	-12 41.7	1.714	2.617	12.6	21.9	6 30	16 21.80	-15 5.2	1.790	2.701	11.7	17.0
7 10	16 13.96	-12 57.2	1.798	2.621	15.8	22.1	7 10	16 17.36	-15 27.0	1.868	2.701	14.9	17.2
272510	2005 <i>UE</i> ₁₉₇		6 2.7 178°23	0°5/	2.5 17		149910	2005 <i>SA</i> ₆₆		6 2.7 165°16	6°1/	4.1 18	
5 1	17 9.87	-21 0.4	1.966	2.832	12.5	21.3	5 1	17 13.61	-40 45.8	2.647	3.452	11.5	19.8
5 11	17 3.68	-20 58.2	1.893	2.834	9.1	21.1	5 11	17 6.48	-41 51.2	2.572	3.455	9.5	19.7
5 21	16 55.45	-20 53.9	1.844	2.834	5.3	20.8	5 21	16 57.15	-42 45.1	2.522	3.457	7.5	19.5
5 31	16 45.94	-20 47.7	1.822	2.835	1.2	20.5	5 31	16 46.36	-43 23.3	2.497	3.460	6.2	19.5
6 10	16 36.18	-20 40.4	1.828	2.835	3.2	20.7	6 10	16 35.11	-43 43.8	2.500	3.462	6.4	19.5
6 20	16 27.16	-20 33.7	1.861	2.835	7.2	20.9	6 20	16 24.46	-43 47.0	2.530	3.463	7.8	19.6
6 30	16 19.77	-20 29.4	1.919	2.834	10.9	21.2	6 30	16 15.39	-43 35.9	2.586	3.465	9.8	19.7
7 10	16 14.63	-20 29.5	1.999	2.833	14.0	21.4	7 10	16 8.61	-43 15.0	2.664	3.466	11.8	19.8
51455	2001 <i>FC</i> ₃₈		6 2.7 5°84	3°0/	3.5 17		342708	2008 <i>WG</i> ₁		6 2.7 202°06	3°7/	3.9 18	
5 1	17 5.78	-29 17.6	1.073	1.969	18.3	18.7	5 1	17 11.26	-33 42.7	2.376	3.213	11.7	21.6
5 11	17 2.04	-29 14.0	1.017	1.969	13.7	18.4	5 11	17 4.64	-33 59.9	2.293	3.209	9.0	21.4
5 21	16 55.00	-28 56.5	0.979	1.970	8.5	18.1	5 21	16 56.01	-34 7.1	2.234	3.204	6.2	21.3
5 31	16 45.88	-28 24.0	0.962	1.972	3.7	17.8	5 31	16 46.09	-34 2.3	2.202	3.199	3.9	21.1
6 10	16 36.43	-27 38.9	0.967	1.976	4.9	17.9	6 10	16 35.88	-33 45.3	2.198	3.194	4.3	21.1
6 20	16 28.34	-26 46.7	0.995	1.981	10.0	18.2	6 20	16 26.35	-33 17.7	2.222	3.188	6.8	21.3
6 30	16 23.01	-25 54.8	1.042	1.987	15.0	18.5	6 30	16 18.38	-32 43.2	2.272	3.181	9.7	21.4
7 10	16 21.16	-25 9.3	1.108	1.995	19.3	18.8	7 10	16 12.61	-32 5.9	2.345	3.174	12.4	21.6
249769	2000 <i>VT</i> ₅₁		6 2.7 299°65	5°3/	3.5 17		438252	2005 <i>WV</i> ₆₃		6 2.7 198°69	5°1/	1.4 18	
5 1	17 11.80	-31 47.1	1.340	2.212	16.9	20.0	5 1	17 6.28	-3 39.6	2.766	3.603	10.2	20.9
5 11	17 6.52	-32 35.7	1.260	2.195	13.1	19.7	5 11	17 0.53	-3 33.7	2.691	3.600	8.1	20.8
5 21	16 57.79	-33 14.1	1.199	2.179	9.0	19.4	5 21	16 53.44	-3 36.8	2.641	3.597	6.1	20.7
5 31	16 46.55	-33 36.8	1.161	2.163	5.6	19.2	5 31	16 45.53	-3 50.3	2.618	3.594	5.1	20.6
6 10	16 34.41	-33 40.9	1.147	2.147	6.4	19.1	6 10	16 37.43	-4 15.1	2.623	3.591	5.7	20.6
6 20	16 23.17	-33 27.2	1.156	2.131	10.5	19.3	6 20	16 29.78	-4 50.8	2.656	3.587	7.6	20.7
6 30	16 14.51	-33 1.1	1.187	2.116	15.0	19.5	6 30	16 23.17	-5 36.5	2.716	3.583	9.7	20.9
7 10	16 9.49	-32 29.8	1.237	2.101	19.1	19.7	7 10	16 18.05	-6 30.6	2.798	3.579	11.8	21.0
392630	2011 <i>UR</i> ₄₄		6 2.7 23°01	4°8/	3.9 16		90438	2004 <i>BP</i> ₈₃		6 2.7 38°99	16°9/	28.8 17	
5 1	17 10.00	-35 4.4	2.122	2.963	12.7	20.7	5 1	17 6.47	+14 33.0	1.421	2.225	19.7	18.6
5 11	17 3.98	-35 45.9	2.049	2.964	10.0	20.6	5 11	17 1.48	+16 20.0	1.389	2.233	18.1	18.5
5 21	16 55.72	-36 16.8	1.999	2.965	7.1	20.4	5 21	16 54.24	+17 35.1	1.375	2.242	17.1	18.5
5 31	16 46.02	-36 33.9	1.975	2.966	5.1	20.3	5 31	16 45.69	+18 10.3	1.379	2.251	16.9	18.5
6 10	16 35.97	-36 36.1	1.977	2.967	5.4	20.3	6 10	16 37.06	+18 2.1	1.401	2.260	17.5	18.5
6 20	16 26.67	-36 24.5	2.006	2.968	7.7	20.4	6 20	16 29.46	+17 12.7	1.440	2.270	18.7	18.6
6 30	16 19.12	-36 2.8	2.060	2.970	10.5	20.6	6 30	16 23.82	+15 47.5	1.496	2.280	20.2	18.8
7 10	16 13.98	-35 35.5	2.136	2.971	13.2	20.8	7 10	16 20.69	+13 55.4	1.566	2.291	21.7	18.9
467260	2016 <i>EQ</i> ₁₇₇		6 2.7 342°70	5°9/	4.1 17		427639	2003 <i>UU</i> ₂₅₇		6 2.7 275°90	0°8/	2.8 17	
5 1	17 9.15	-33 56.8	1.217	2.093	17.9	20.7	5 1	17 13.16	-23 7.1	1.646	2.515	14.4	21.8
5 11	17 4.59	-34 26.1	1.149	2.086	14.0	20.4	5 11	17 6.97	-23 31.7	1.546	2.486	10.8	21.5
5 21	16 56.59	-34 39.5	1.100	2.079	9.7	20.1	5 21	16 57.87	-23 54.4	1.468	2.457	6.4	21.2
5 31	16 46.26	-34 32.3	1.073	2.073	6.3	19.9	5 31	16 46.60	-24 13.3	1.415	2.428	1.7	20.8
6 10	16 35.35	-34 3.7	1.068	2.068	6.7	19.9	6 10	16 34.39	-24 27.3	1.390	2.397	3.8	20.9
6 20	16 25.68	-33 17.4	1.086	2.064	10.6	20.1	6 20	16 22.65	-24 36.6	1.390	2.367	8.9	21.1
6 30	16 18.80	-32 21.2	1.125	2.060	15.0	20.4	6 30	16 12.78	-24 43.5	1.415	2.335	13.6	21.3
7 10	16 15.59	-31 23.4	1.182	2.058	19.0	20.6	7 10	16 5.83	-24 51.2	1.460	2.304	17.8	21.5
84266	2002 <i>TS</i> ₅		6 2.7 214°42	1°7/	2.2 17		146928	2002 <i>CC</i> ₂₈₉		6 2.7 220°21	1°1/	2.9 18	
5 1	17 10.09	-18 40.0	1.935	2.802	12.7	20.9	5 1	17 8.18	-24 37.2	2.409	3.267	10.8	20.3
5 11	17 3.90	-18 18.7	1.855	2.796	9.3	20.7	5 11	17 2.29	-25 1.2	2.328	3.263	7.9	20.1
5 21	16 55.62	-17 56.2	1.799	2.789	5.5	20.4	5 21	16 54.62	-25 22.0	2.272	3.259	4.7	19.9
5 31	16 46.00	-17 33.7	1.770	2.781	2.0	20.2	5 31	16 45.82	-25 38.6	2.244	3.255	1.5	19.6
6 10	16 36.06	-17 13.0	1.769	2.773	3.8	20.3	6 10	16 36.71	-25 50.6	2.244	3.251	2.7	19.7
6 20	16 26.83	-16 56.4	1.794	2.764	7.8	20.5	6 20	16 28.13	-25 58.6	2.273	3.247	6.1	19.9
6 30	16 19.21	-16 45.9	1.845	2.755	11.5	20.7	6 30	16 20.89	-26 4.1	2.328	3.243	9.3	20.1
7 10	16 13.85	-16 43.0	1.917	2.745	14.8	20.9	7 10	16 15.54	-26 9.0	2.406	3.238	12.0	20.3
472940	2015 <i>GV</i> ₂₅		6 2.7 97°27	2°1/	2.3 17		393864	2005 <i>SE</i> ₂₆₄		6 2.7 227°09	0°		

EPHEMERIDES

6 2.7

6 2.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
516989	2012 QZ ₅₂	6 2.7 260°63	2°0/ 2.1	17			235955	2005 EW ₁₈₃	6 2.7 18°90	0°8/ 2.9	17		
5 1	17 7.71	-17 55.8	1.948	2.818	12.4	21.5	5 1	17 8.00	-24 56.1	1.929	2.797	12.7	21.0
5 11	17 2.21	-17 33.8	1.865	2.807	9.1	21.3	5 11	17 2.43	-24 53.9	1.857	2.798	9.3	20.8
5 21	16 54.69	-17 11.2	1.805	2.794	5.4	21.1	5 21	16 54.80	-24 46.4	1.809	2.798	5.5	20.6
5 31	16 45.85	-16 49.5	1.772	2.782	2.2	20.8	5 31	16 45.89	-24 33.4	1.786	2.798	1.5	20.3
6 10	16 36.66	-16 30.5	1.766	2.769	3.9	20.9	6 10	16 36.74	-24 15.9	1.791	2.799	3.1	20.4
6 20	16 28.10	-16 16.4	1.786	2.757	7.8	21.1	6 20	16 28.34	-23 56.0	1.822	2.799	7.1	20.7
6 30	16 21.06	-16 9.1	1.832	2.744	11.5	21.3	6 30	16 21.61	-23 36.5	1.878	2.800	10.7	20.9
7 10	16 16.20	-16 9.7	1.899	2.731	14.7	21.5	7 10	16 17.16	-23 20.2	1.957	2.801	13.9	21.1
135543	2002 CR ₂₉₄	6 2.7 48°15	3°6/ 3.7	18			424147	2007 GU ₁₆	6 2.7 46°01	7°2/ 3.8	17		
5 1	17 8.93	-32 1.2	2.196	3.045	12.1	20.0	5 1	17 14.62	-35 59.2	1.477	2.330	16.7	20.3
5 11	17 3.06	-32 33.8	2.124	3.047	9.2	19.8	5 11	17 8.14	-37 21.6	1.426	2.344	13.2	20.1
5 21	16 55.15	-32 57.7	2.075	3.050	6.2	19.6	5 21	16 58.47	-38 29.7	1.395	2.359	9.8	19.9
5 31	16 45.95	-33 10.9	2.052	3.052	3.9	19.4	5 31	16 46.72	-39 16.7	1.387	2.374	7.4	19.8
6 10	16 36.45	-33 12.6	2.057	3.055	4.3	19.5	6 10	16 34.55	-39 39.6	1.405	2.389	7.8	19.9
6 20	16 27.65	-33 4.0	2.089	3.057	7.0	19.6	6 20	16 23.64	-39 39.8	1.446	2.405	10.4	20.1
6 30	16 20.46	-32 48.0	2.146	3.060	10.0	19.8	6 30	16 15.39	-39 23.1	1.510	2.421	13.6	20.3
7 10	16 15.48	-32 28.5	2.225	3.063	12.7	20.0	7 10	16 10.59	-38 56.8	1.594	2.438	16.5	20.5
508225	2015 GR ₄₅	6 2.7 219°78	3°0/ 1.9	17			474314	2002 AQ ₁₇₂	6 2.7 114°96	3°8/ 4.4	18		
5 1	17 7.73	-14 27.9	1.990	2.858	12.3	21.4	5 1	17 9.32	-35 28.6	2.464	3.297	11.4	21.4
5 11	17 2.10	-14 12.9	1.916	2.855	9.1	21.2	5 11	17 3.06	-35 34.4	2.396	3.307	8.8	21.2
5 21	16 54.56	-14 0.8	1.866	2.852	5.7	21.0	5 21	16 55.01	-35 28.9	2.351	3.317	6.2	21.0
5 31	16 45.82	-13 53.1	1.842	2.848	3.1	20.8	5 31	16 45.92	-35 10.9	2.333	3.327	4.1	20.9
6 10	16 36.81	-13 51.3	1.845	2.844	4.5	20.9	6 10	16 36.72	-34 40.9	2.343	3.337	4.3	20.9
6 20	16 28.46	-13 56.5	1.875	2.841	7.9	21.1	6 20	16 28.29	-34 1.2	2.381	3.346	6.4	21.1
6 30	16 21.60	-14 9.3	1.930	2.837	11.3	21.3	6 30	16 21.40	-33 15.7	2.445	3.355	9.0	21.3
7 10	16 16.83	-14 29.9	2.007	2.833	14.3	21.5	7 10	16 16.57	-32 28.5	2.532	3.364	11.5	21.5
142196	2002 RP ₅₄	6 2.7 265°26	3°5/ 1.8	18			494365	2016 UJ ₁₆	6 2.7 321°72	4°7/ 4.3	17		
5 1	17 9.56	-14 37.0	1.684	2.557	13.9	20.8	5 1	17 8.44	-35 43.2	2.101	2.943	12.8	21.1
5 11	17 3.89	-14 13.6	1.598	2.539	10.4	20.5	5 11	17 2.90	-36 4.5	2.021	2.936	10.0	20.9
5 21	16 55.83	-13 52.6	1.534	2.521	6.6	20.2	5 21	16 55.15	-36 13.7	1.964	2.930	7.2	20.7
5 31	16 46.13	-13 36.3	1.497	2.503	3.6	20.0	5 31	16 45.98	-36 8.5	1.932	2.924	5.0	20.6
6 10	16 35.91	-13 27.0	1.485	2.484	5.3	20.1	6 10	16 36.48	-35 48.5	1.926	2.919	5.2	20.6
6 20	16 26.32	-13 26.5	1.499	2.466	9.4	20.3	6 20	16 27.74	-35 15.6	1.947	2.913	7.6	20.7
6 30	16 18.47	-13 36.2	1.537	2.446	13.4	20.5	6 30	16 20.72	-34 34.0	1.993	2.908	10.6	20.9
7 10	16 13.13	-13 56.4	1.595	2.427	17.1	20.6	7 10	16 16.09	-33 48.8	2.061	2.903	13.4	21.1
78640	2002 TU ₃₇	6 2.7 272°99	3°6/ 3.3	18			10744	Tsuruta	6 2.7 275°06	3°3/ 2.3	18		
5 1	17 10.94	-30 20.9	2.053	2.905	12.6	19.0	5 1	17 10.57	-12 27.1	1.815	2.680	13.4	17.3
5 11	17 4.82	-31 8.9	1.966	2.893	9.7	18.8	5 11	17 4.56	-12 41.4	1.725	2.662	10.1	17.1
5 21	16 56.34	-31 50.5	1.904	2.881	6.4	18.6	5 21	16 56.21	-13 2.6	1.659	2.643	6.4	16.8
5 31	16 46.25	-32 22.4	1.867	2.869	3.8	18.4	5 31	16 46.25	-13 31.7	1.618	2.624	3.5	16.6
6 10	16 35.59	-32 42.6	1.858	2.857	4.5	18.4	6 10	16 35.69	-14 8.7	1.605	2.605	4.9	16.6
6 20	16 25.53	-32 51.5	1.877	2.845	7.6	18.6	6 20	16 25.66	-14 52.9	1.619	2.586	8.7	16.8
6 30	16 17.12	-32 51.3	1.920	2.833	11.0	18.8	6 30	16 17.23	-15 43.7	1.657	2.567	12.7	17.0
7 10	16 11.16	-32 46.0	1.985	2.821	14.0	18.9	7 10	16 11.17	-16 40.0	1.717	2.547	16.1	17.2
121411	1999 TR ₁₄₁	6 2.7 209°09	1°2/ 3.1	18			80018	1999 GE ₄₆	6 2.7 355°77	2°0/ 2.5	18		
5 1	17 6.57	-26 17.9	2.565	3.421	10.3	20.5	5 1	17 7.70	-15 35.8	1.790	2.664	13.2	18.7
5 11	17 1.00	-26 22.1	2.485	3.419	7.6	20.3	5 11	17 2.32	-15 57.8	1.719	2.662	9.7	18.4
5 21	16 53.83	-26 21.3	2.430	3.416	4.5	20.1	5 21	16 54.81	-16 24.0	1.671	2.660	5.8	18.2
5 31	16 45.66	-26 15.3	2.402	3.413	1.6	19.9	5 31	16 45.92	-16 54.5	1.649	2.659	2.3	18.0
6 10	16 37.27	-26 4.4	2.403	3.410	2.6	19.9	6 10	16 36.68	-17 28.8	1.653	2.658	3.9	18.1
6 20	16 29.43	-25 50.0	2.432	3.407	5.7	20.1	6 20	16 28.14	-18 6.3	1.684	2.658	7.9	18.3
6 30	16 22.84	-25 34.3	2.488	3.403	8.7	20.3	6 30	16 21.24	-18 46.9	1.740	2.658	11.6	18.5
7 10	16 18.02	-25 19.4	2.567	3.400	11.3	20.5	7 10	16 16.64	-19 30.4	1.817	2.659	14.9	18.7
211422	2002 WV ₂₄	6 2.7 222°40	0°3/ 2.8	18			246098	2007 EA ₈₂	6 2.7 151°85	10°3/ 5.2	17		
5 1	17 7.50	-23 57.9	2.229	3.092	11.4	21.2	5 1	17 18.42	-47 8.3	1.829	2.624	16.3	19.9
5 11	17 1.84	-23 47.0	2.150	3.088	8.3	21.0	5 11	17 11.14	-48 27.6	1.762	2.625	14.0	19.7
5 21	16 54.38	-23 31.5	2.094	3.083	4.8	20.8	5 21	17 0.35	-49 26.8	1.715	2.627	11.9	19.6
5 31	16 45.79	-23 11.8	2.066	3.079	1.1	20.5	5 31	16 47.17	-49 58.2	1.691	2.628	10.5	19.5
6 10	16 36.96	-22 49.0	2.066	3.074	2.8	20.6	6 10	16 33.33	-49 58.5	1.690	2.630	10.5	19.5
6 20	16 28.76	-22 25.1	2.093	3.068	6.5	20.8	6 20	16 20.67	-49 29.1	1.713	2.631	11.8	19.6
6 30	16 21.98	-22 2.7	2.146	3.063	9.8	21.0	6 30	16 10.80	-48 36.6	1.758	2.632	13.9	19.7
7 10	16 17.20	-21 44.2	2.222	3.057	12.8	21.2	7 10	16 4.62	-47 30.3	1.823	2.633	16.1	19.9
52777	1998 QR ₂₁	6 2.7 187°55	3°9/ 3.8	18			452202	2015 RV ₁₉₂	6 2.7 163°46	0°9/ 2.2	18		
5 1	17 15.32	-31 47.0	1.594	2.450	15.5	19.3	5 1	17 1.94	-18 47.9	3.743	4.600	7.3	22.0
5 11	17 8.34	-32 1.6	1.521	2.450	11.8	19.1	5 11	16 57.17	-18 35.3	3.668	4.604	5.3	21.9
5 21	16 58.45	-32 3.9	1.470	2.449	7.8	18.8	5 21	16 51.45	-18 22.2	3.619	4.607	3.1	21.7
5 31	16 46.70	-31 50.9	1.444	2.448	4.3	18.6	5 31	16 45.16	-18 9.3	3.599	4.611	1.1	21.6
6 10	16 34.55	-31 22.5	1.444	2.446	5.0	18.7	6 10	16 38.78	-17 57.4	3.609	4.614	2.1	21.7
6 20	16 23.50	-30 42.2	1.470	2.444	8.8	18.9	6 20	16 32.75	-17 47.4	3.649	4.616	4.3	21.8
6 30	16 14.81	-29 55.6	1.520	2.441	12.9	19.1	6 30	16 27.50	-17 40.0	3.715	4.619	6.4	22.0
7 10	16 9.24	-29 9.4	1.591	2.437	16.4	19.3	7 10	16 23.35	-17 36.1	3.807	4.621	8.3	22.1
34495	2000 SX ₁₄₆	6 2.7 359°84	4°4/ 3.9	18			379356	2009 WO ₁₆₅	6 2.7 208°35	1°3/ 3.3	18		
5 1	17 9.22	-34 5.0	2.091	2.9									

EPHEMERIDES

6 2.7

6 2.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
276491	2003 QK ₄	6 2.7 328°28	1.8/ 2.2	17			161697	2006 HZ ₁₀₄	6 2.7 20°92	0.5/ 2.7	18		
5 1	17 5.38	-19 18.1	1.426	2.315	15.0	20.2	5 1	17 9.95	-18 38.3	1.602	2.478	14.3	18.9
5 11	17 1.19	-18 57.6	1.347	2.298	11.0	19.9	5 11	17 4.19	-19 19.2	1.537	2.482	10.5	18.7
5 21	16 54.41	-18 35.5	1.289	2.283	6.5	19.6	5 21	16 56.00	-20 2.7	1.495	2.486	6.1	18.4
5 31	16 45.88	-18 13.2	1.256	2.267	2.2	19.3	5 31	16 46.24	-20 47.1	1.478	2.491	1.4	18.1
6 10	16 36.83	-17 53.4	1.246	2.253	4.5	19.4	6 10	16 36.10	-21 30.9	1.488	2.496	3.6	18.3
6 20	16 28.56	-17 38.8	1.261	2.240	9.4	19.7	6 20	16 26.80	-22 13.0	1.524	2.502	8.1	18.6
6 30	16 22.26	-17 32.0	1.298	2.227	14.0	19.9	6 30	16 19.43	-22 53.8	1.584	2.508	12.2	18.8
7 10	16 18.74	-17 34.7	1.354	2.215	17.9	20.1	7 10	16 14.70	-23 33.9	1.665	2.515	15.7	19.1
286267	2001 VH ₅₁	6 2.7 191°36	3.6/31.6	18			38450	1999 TH	6 2.7 56°65	0.1/ 2.7	18		
5 1	17 6.31	-13 49.8	2.455	3.316	10.5	20.3	5 1	17 6.54	-22 29.8	2.085	2.954	11.8	18.6
5 11	17 0.68	-12 38.9	2.381	3.315	7.9	20.1	5 11	17 1.12	-22 20.7	2.025	2.967	8.6	18.4
5 21	16 53.59	-11 28.4	2.333	3.313	5.2	20.0	5 21	16 53.94	-22 8.4	1.990	2.980	4.9	18.2
5 31	16 45.64	-10 21.7	2.313	3.312	3.6	19.9	5 31	16 45.75	-21 53.5	1.980	2.993	1.1	17.9
6 10	16 37.57	-9 22.2	2.323	3.310	4.9	19.9	6 10	16 37.46	-21 37.1	1.999	3.007	2.8	18.1
6 20	16 30.08	-8 32.9	2.360	3.308	7.5	20.1	6 20	16 29.93	-21 21.2	2.045	3.021	6.5	18.3
6 30	16 23.81	-7 55.6	2.423	3.305	10.2	20.3	6 30	16 23.90	-21 7.8	2.116	3.034	9.9	18.6
7 10	16 19.22	-7 31.1	2.508	3.303	12.7	20.4	7 10	16 19.87	-20 58.7	2.209	3.048	12.7	18.8
476959	2008 XE ₄₈	6 2.7 286°05	2.2/ 2.1	18			253484	2003 SR ₈₁	6 2.7 239°67	0.6/ 2.5	18		
5 1	17 7.20	-16 36.8	1.898	2.770	12.6	21.2	5 1	17 10.96	-22 51.6	1.641	2.514	14.3	20.5
5 11	17 1.87	-16 25.9	1.820	2.762	9.3	20.9	5 11	17 4.96	-22 20.3	1.561	2.504	10.5	20.2
5 21	16 54.53	-16 16.4	1.765	2.754	5.6	20.7	5 21	16 56.46	-21 42.6	1.503	2.494	6.1	19.9
5 31	16 45.88	-16 9.5	1.737	2.746	2.4	20.5	5 31	16 46.35	-20 59.8	1.471	2.484	1.4	19.6
6 10	16 36.89	-16 6.6	1.735	2.738	4.1	20.6	6 10	16 35.84	-20 14.6	1.466	2.474	3.8	19.7
6 20	16 28.55	-16 8.9	1.760	2.731	7.9	20.8	6 20	16 26.18	-19 30.9	1.487	2.463	8.5	20.0
6 30	16 21.75	-16 17.6	1.809	2.723	11.5	21.0	6 30	16 18.48	-18 53.0	1.532	2.451	12.9	20.2
7 10	16 17.14	-16 33.3	1.880	2.715	14.7	21.2	7 10	16 13.45	-18 24.3	1.597	2.440	16.6	20.4
95256	2002 CZ ₅₇	6 2.7 327°42	6.6/31.6	18			467472	2006 QQ ₁₁₇	6 2.7 295°56	2.0/ 3.2	17		
5 1	17 6.30	-8 6.0	1.638	2.510	14.3	19.3	5 1	17 10.23	-26 43.8	1.428	2.305	15.7	21.2
5 11	17 1.33	-7 11.4	1.573	2.506	11.1	19.1	5 11	17 5.12	-26 53.8	1.338	2.281	11.8	20.9
5 21	16 54.23	-6 24.5	1.529	2.502	8.1	18.9	5 21	16 56.93	-26 56.3	1.268	2.258	7.3	20.6
5 31	16 45.81	-5 50.1	1.510	2.499	6.6	18.8	5 31	16 46.51	-26 49.2	1.223	2.234	2.7	20.3
6 10	16 37.12	-5 31.8	1.515	2.495	7.8	18.8	6 10	16 35.26	-26 32.3	1.202	2.210	4.3	20.3
6 20	16 29.20	-5 31.3	1.545	2.492	10.8	19.0	6 20	16 24.74	-26 7.8	1.206	2.186	9.4	20.5
6 30	16 22.98	-5 48.6	1.597	2.489	14.1	19.2	6 30	16 16.43	-25 40.4	1.232	2.163	14.4	20.7
7 10	16 19.08	-6 21.6	1.669	2.486	17.1	19.4	7 10	16 11.33	-25 15.4	1.277	2.140	18.7	20.9
100033	Taize	6 2.7 58°85	2.2/ 3.3	18			202852	2008 TH ₆₂	6 2.7 289°91	2.8/ 1.9	18		
5 1	17 8.54	-27 50.6	2.104	2.963	12.1	19.1	5 1	17 8.70	-16 5.4	1.801	2.673	13.2	20.3
5 11	17 2.68	-28 16.6	2.044	2.977	9.0	18.9	5 11	17 3.33	-15 45.8	1.700	2.642	9.9	20.0
5 21	16 54.89	-28 36.5	2.007	2.990	5.6	18.7	5 21	16 55.61	-15 27.1	1.622	2.610	6.1	19.7
5 31	16 45.94	-28 48.7	1.996	3.004	2.5	18.6	5 31	16 46.20	-15 11.0	1.570	2.579	2.9	19.4
6 10	16 36.81	-28 52.9	2.013	3.018	3.4	18.6	6 10	16 36.12	-14 59.6	1.544	2.546	4.7	19.5
6 20	16 28.45	-28 50.5	2.058	3.032	6.6	18.9	6 20	16 26.49	-14 54.9	1.545	2.514	8.9	19.6
6 30	16 21.70	-28 43.8	2.127	3.046	9.8	19.1	6 30	16 18.42	-14 58.6	1.570	2.481	13.1	19.8
7 10	16 17.12	-28 35.9	2.220	3.060	12.6	19.3	7 10	16 12.73	-15 11.9	1.615	2.448	16.8	20.0
417887	2007 RT ₁₀	6 2.7 290°65	3.1/ 1.9	17			342870	2008 YY ₃₈	6 2.7 185°39	3.3/ 1.9	18		
5 1	17 9.16	-17 44.6	1.349	2.235	15.9	21.5	5 1	17 8.33	-11 17.4	2.456	3.311	10.8	21.4
5 11	17 4.20	-17 6.5	1.262	2.212	11.8	21.1	5 11	17 2.23	-11 13.0	2.381	3.311	8.1	21.2
5 21	16 56.30	-16 26.2	1.197	2.188	7.2	20.8	5 21	16 54.55	-11 13.5	2.331	3.310	5.3	21.1
5 31	16 46.33	-15 46.5	1.155	2.165	3.3	20.5	5 31	16 45.91	-11 19.9	2.308	3.309	3.4	20.9
6 10	16 35.61	-15 11.2	1.138	2.141	5.6	20.6	6 10	16 37.04	-11 33.0	2.314	3.308	4.4	21.0
6 20	16 25.63	-14 44.5	1.144	2.118	10.7	20.8	6 20	16 28.71	-11 53.1	2.349	3.306	7.1	21.2
6 30	16 17.77	-14 29.9	1.172	2.095	15.7	21.0	6 30	16 21.60	-12 20.1	2.409	3.303	9.9	21.3
7 10	16 12.98	-14 29.2	1.219	2.071	20.1	21.2	7 10	16 16.22	-12 53.5	2.493	3.300	12.4	21.5
384048	2008 UR ₂₁₅	6 2.7 225°29	1.1/ 3.1	18			477562	2010 GE ₁₁₄	6 2.7 345°33	1.0/ 2.9	16		
5 1	17 9.76	-26 38.7	2.518	3.369	10.6	21.4	5 1	17 4.92	-24 24.0	1.428	2.316	15.1	20.5
5 11	17 3.41	-26 30.5	2.425	3.356	7.9	21.2	5 11	17 0.93	-24 34.5	1.354	2.304	11.1	20.3
5 21	16 55.29	-26 16.2	2.358	3.343	4.7	21.0	5 21	16 54.30	-24 40.2	1.302	2.294	6.6	20.0
5 31	16 46.05	-25 55.4	2.318	3.329	1.6	20.7	5 31	16 45.90	-24 40.2	1.272	2.285	1.8	19.6
6 10	16 36.50	-25 29.1	2.307	3.314	2.7	20.8	6 10	16 37.02	-24 35.1	1.267	2.276	3.8	19.8
6 20	16 27.50	-24 59.0	2.325	3.299	6.0	21.0	6 20	16 28.98	-24 26.5	1.286	2.269	8.7	20.0
6 30	16 19.82	-24 28.1	2.371	3.283	9.2	21.2	6 30	16 22.98	-24 17.8	1.328	2.263	13.2	20.3
7 10	16 14.03	-23 59.2	2.439	3.266	12.0	21.3	7 10	16 19.83	-24 11.9	1.389	2.259	17.1	20.5
471725	2012 UA ₁₇	6 2.7 323°45	0.9/ 2.9	17			364621	2007 TT ₁₀	6 2.7 306°98	4.3/ 3.4	17		
5 1	17 8.61	-24 10.2	1.826	2.697	13.1	21.3	5 1	17 10.38	-29 42.4	1.243	2.124	17.3	20.0
5 11	17 3.05	-24 23.7	1.752	2.694	9.7	21.1	5 11	17 5.69	-30 18.7	1.161	2.104	13.3	19.7
5 21	16 55.27	-24 33.3	1.701	2.691	5.7	20.9	5 21	16 57.48	-30 45.8	1.098	2.083	8.7	19.4
5 31	16 46.06	-24 38.0	1.676	2.688	1.6	20.6	5 31	16 46.67	-30 59.2	1.057	2.063	4.7	19.1
6 10	16 36.50	-24 38.0	1.678	2.686	3.2	20.7	6 10	16 34.87	-30 56.4	1.039	2.043	5.8	19.1
6 20	16 27.68	-24 34.6	1.706	2.683	7.4	20.9	6 20	16 23.94	-30 39.0	1.044	2.024	10.6	19.3
6 30	16 20.61	-24 30.2	1.758	2.681	11.3	21.2	6 30	16 15.62	-30 12.2	1.070	2.006	15.6	19.5
7 10	16 15.94	-24 27.5	1.832	2.679	14.6	21.4	7 10	16 11.02	-29 43.1	1.114	1.988	20.1	19.7
505526	2013 YL ₂₇	6 2.7 130°63	0.6/ 2.9	17			111277	2001 XE ₃₈	6 2.7 135°30	4.3/ 4.3	18		
5 1	17 9.05	-24 49.0	2.183	3.044									

EPHEMERIDES

6 2.7

6 2.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
131351	2001 <i>JE</i>		6 2.7 302°50	1.4/ 2.2	18		35406	1997 <i>YH</i> ₈		6 2.7 222°41	1.3/ 2.5	18	
5 1	17 6.59	-21 10.6	1.782	2.658	13.1	18.9	5 1	17 13.35	-18 37.5	1.887	2.750	13.1	18.5
5 11	17 1.64	-20 29.7	1.696	2.642	9.6	18.7	5 11	17 6.54	-18 41.7	1.801	2.739	9.7	18.3
5 21	16 54.51	-19 43.7	1.634	2.625	5.6	18.4	5 21	16 57.38	-18 46.1	1.738	2.727	5.7	18.0
5 31	16 45.95	-18 54.6	1.597	2.609	1.7	18.1	5 31	16 46.64	-18 50.8	1.702	2.714	1.7	17.7
6 10	16 37.02	-18 5.7	1.587	2.593	3.8	18.2	6 10	16 35.40	-18 56.2	1.694	2.700	3.7	17.8
6 20	16 28.77	-17 20.6	1.602	2.577	8.2	18.4	6 20	16 24.81	-19 3.2	1.714	2.686	8.0	18.1
6 30	16 22.18	-16 43.1	1.643	2.561	12.2	18.7	6 30	16 15.90	-19 13.3	1.760	2.671	11.9	18.3
7 10	16 17.93	-16 15.8	1.703	2.546	15.7	18.8	7 10	16 9.43	-19 27.9	1.827	2.654	15.4	18.5
65809	1996 <i>RW</i> ₁₅		6 2.7 309°79	5.9/31.9	18		50970	2000 <i>GT</i> ₈₇		6 2.7 338°66	4.7/ 2.3	18	
5 1	17 6.83	-12 36.0	1.273	2.163	16.4	19.6	5 1	17 4.94	-13 14.3	0.967	1.874	18.7	17.4
5 11	17 2.44	-11 37.5	1.198	2.146	12.5	19.3	5 11	17 1.76	-13 11.3	0.900	1.859	14.2	17.1
5 21	16 55.25	-10 41.9	1.144	2.129	8.4	19.0	5 21	16 55.19	-13 17.8	0.852	1.845	9.0	16.8
5 31	16 46.15	-9 54.8	1.112	2.113	5.9	18.8	5 31	16 46.22	-13 36.9	0.824	1.832	4.9	16.5
6 10	16 36.48	-9 21.6	1.103	2.097	7.8	18.9	6 10	16 36.46	-14 10.0	0.816	1.821	6.9	16.6
6 20	16 27.64	-9 6.2	1.117	2.082	12.1	19.1	6 20	16 27.69	-14 56.8	0.830	1.811	12.3	16.8
6 30	16 20.92	-9 10.3	1.152	2.067	16.5	19.3	6 30	16 21.54	-15 55.8	0.861	1.803	17.7	17.1
7 10	16 17.18	-9 33.0	1.204	2.053	20.5	19.5	7 10	16 19.04	-17 4.2	0.909	1.797	22.3	17.3
38019	Jeanmariepelt		6 2.7 182°10	3.6/31.9	18		304388	2006 <i>SQ</i> ₄₀₁		6 2.7 123°06	1.6/ 3.2	17	
5 1	17 4.98	-12 37.6	2.558	3.419	10.2	18.5	5 1	17 8.85	-26 11.4	2.264	3.121	11.4	21.2
5 11	16 59.72	-11 43.3	2.486	3.419	7.6	18.3	5 11	17 2.91	-26 37.7	2.191	3.125	8.4	21.1
5 21	16 53.07	-10 50.9	2.440	3.419	5.1	18.1	5 21	16 55.10	-26 59.6	2.143	3.128	5.1	20.9
5 31	16 45.60	-10 3.2	2.421	3.419	3.6	18.0	5 31	16 46.12	-27 15.7	2.122	3.132	2.0	20.7
6 10	16 38.02	-9 22.9	2.431	3.419	4.7	18.1	6 10	16 36.86	-27 25.5	2.129	3.135	3.0	20.7
6 20	16 30.96	-8 52.0	2.469	3.418	7.2	18.3	6 20	16 28.24	-27 29.9	2.164	3.138	6.4	20.9
6 30	16 25.05	-8 31.7	2.532	3.417	9.8	18.4	6 30	16 21.08	-27 30.7	2.225	3.141	9.5	21.2
7 10	16 20.71	-8 22.4	2.618	3.416	12.1	18.6	7 10	16 15.95	-27 30.3	2.308	3.144	12.3	21.3
342430	2008 <i>UN</i> ₈₉		6 2.7 324°02	0.5/ 2.9	16		202275	2005 <i>BA</i> ₁₉		6 2.7 115°67	2.2/ 3.4	17	
5 1	17 5.60	-24 33.7	1.344	2.234	15.7	20.6	5 1	17 10.45	-28 28.6	2.035	2.892	12.6	20.8
5 11	17 1.71	-24 21.5	1.258	2.209	11.7	20.3	5 11	17 4.18	-28 42.4	1.969	2.901	9.3	20.6
5 21	16 54.93	-24 1.8	1.192	2.186	6.9	20.0	5 21	16 55.85	-28 48.9	1.927	2.910	5.8	20.4
5 31	16 46.10	-23 34.6	1.150	2.163	1.7	19.6	5 31	16 46.27	-28 46.6	1.911	2.919	2.6	20.2
6 10	16 36.57	-23 1.6	1.131	2.140	4.0	19.7	6 10	16 36.50	-28 35.9	1.923	2.928	3.5	20.3
6 20	16 27.80	-22 26.5	1.136	2.119	9.5	19.9	6 20	16 27.55	-28 18.7	1.962	2.937	6.9	20.5
6 30	16 21.19	-21 54.2	1.162	2.099	14.5	20.2	6 30	16 20.31	-27 58.1	2.026	2.945	10.2	20.7
7 10	16 17.66	-21 29.0	1.207	2.080	18.9	20.4	7 10	16 15.36	-27 37.6	2.113	2.953	13.2	20.9
20899	2000 <i>XB</i> ₃		6 2.7 313°26	6.9/ 4.9	18		429180	2009 <i>VW</i> ₁₀₀		6 2.7 301°96	2.1/ 2.3	18	
5 1	17 10.27	-38 18.8	1.456	2.309	16.8	16.7	5 1	17 8.23	-18 21.8	1.500	2.382	14.8	20.8
5 11	17 5.53	-38 30.7	1.355	2.275	13.7	16.4	5 11	17 3.41	-18 6.5	1.407	2.354	11.0	20.5
5 21	16 57.36	-38 22.8	1.274	2.241	10.2	16.1	5 21	16 55.87	-17 50.6	1.335	2.326	6.6	20.2
5 31	16 46.68	-37 49.5	1.215	2.207	7.4	15.9	5 31	16 46.37	-17 35.4	1.287	2.299	2.4	19.8
6 10	16 35.03	-36 48.8	1.180	2.174	7.4	15.8	6 10	16 36.10	-17 22.9	1.265	2.271	4.6	19.9
6 20	16 24.22	-35 24.2	1.168	2.141	10.7	15.9	6 20	16 26.41	-17 15.5	1.267	2.243	9.6	20.1
6 30	16 15.92	-33 44.1	1.179	2.108	15.0	16.0	6 30	16 18.60	-17 15.7	1.292	2.216	14.4	20.3
7 10	16 11.22	-31 59.7	1.209	2.076	19.2	16.2	7 10	16 13.61	-17 25.1	1.336	2.189	18.6	20.5
89755	2002 <i>AJ</i> ₃₉		6 2.7 226°31	6.8/31.8	18		320269	2007 <i>RY</i> ₂₇		6 2.7 255°88	1.6/ 3.1	17	
5 1	17 8.39	-3 45.7	2.048	2.895	12.9	20.5	5 1	17 13.62	-25 21.0	1.630	2.497	14.6	21.2
5 11	17 2.56	-3 11.5	1.972	2.887	10.3	20.3	5 11	17 7.29	-25 42.1	1.540	2.479	10.9	20.9
5 21	16 54.89	-2 47.7	1.920	2.878	8.0	20.2	5 21	16 58.09	-25 58.4	1.472	2.460	6.6	20.6
5 31	16 46.04	-2 37.7	1.894	2.869	6.8	20.1	5 31	16 46.86	-26 7.7	1.430	2.441	2.2	20.3
6 10	16 36.89	-2 43.8	1.893	2.860	7.7	20.1	6 10	16 34.87	-26 9.2	1.414	2.421	3.9	20.3
6 20	16 28.33	-3 6.5	1.919	2.850	10.0	20.2	6 20	16 23.56	-26 4.0	1.424	2.401	8.7	20.6
6 30	16 21.16	-3 44.9	1.969	2.839	12.7	20.4	6 30	16 14.27	-25 55.3	1.458	2.380	13.2	20.8
7 10	16 15.99	-4 36.7	2.039	2.828	15.3	20.5	7 10	16 7.93	-25 47.3	1.513	2.359	17.2	21.0
522945	2016 <i>PC</i> ₁₁₃		6 2.7 3°11	0.2/ 2.7	16		430153	2013 <i>TS</i> ₆₀		6 2.8 57°24	5.9/ 4.5	17	
5 1	17 6.82	-21 8.5	1.940	2.813	12.4	20.8	5 1	17 12.62	-36 18.5	1.620	2.469	15.6	20.8
5 11	17 1.60	-21 19.3	1.869	2.812	9.0	20.6	5 11	17 6.45	-36 50.8	1.556	2.475	12.3	20.6
5 21	16 54.39	-21 28.8	1.821	2.812	5.2	20.4	5 21	16 57.45	-37 7.9	1.514	2.481	8.9	20.4
5 31	16 45.93	-21 36.7	1.800	2.813	1.1	20.1	5 31	16 46.67	-37 5.9	1.495	2.487	6.3	20.2
6 10	16 37.19	-21 43.4	1.805	2.813	3.1	20.2	6 10	16 35.57	-36 44.1	1.502	2.494	6.4	20.3
6 20	16 29.13	-21 49.6	1.837	2.814	7.0	20.5	6 20	16 25.63	-36 5.6	1.533	2.500	9.2	20.4
6 30	16 22.64	-21 57.0	1.895	2.816	10.7	20.7	6 30	16 18.04	-35 16.5	1.588	2.507	12.5	20.6
7 10	16 18.32	-22 6.9	1.973	2.818	13.8	20.9	7 10	16 13.54	-34 23.9	1.664	2.513	15.7	20.9
253689	2003 <i>UR</i> ₂₅₁		6 2.7 149°16	1.7/ 3.3	18		8291	Bingham		6 2.8 129°69	1.8/ 3.4	18	
5 1	17 13.23	-27 42.7	1.829	2.688	13.7	21.0	5 1	17 12.13	-28 10.8	2.139	2.991	12.2	19.0
5 11	17 6.33	-27 39.7	1.762	2.696	10.1	20.8	5 11	17 5.22	-28 10.0	2.076	3.006	9.0	18.8
5 21	16 57.11	-27 28.2	1.719	2.704	6.1	20.6	5 21	16 56.36	-28 1.6	2.037	3.021	5.5	18.6
5 31	16 46.51	-27 7.6	1.701	2.711	2.3	20.4	5 31	16 46.39	-27 44.9	2.026	3.035	2.2	18.4
6 10	16 35.73	-26 39.0	1.711	2.718	3.5	20.5	6 10	16 36.32	-27 20.9	2.043	3.049	3.1	18.5
6 20	16 25.92	-26 5.2	1.749	2.724	7.5	20.7	6 20	16 27.12	-26 51.9	2.088	3.062	6.6	18.7
6 30	16 18.06	-25 30.5	1.811	2.730	11.2	21.0	6 30	16 19.62	-26 21.4	2.159	3.074	9.9	19.0
7 10	16 12.77	-24 58.9	1.895	2.735	14.5	21.2	7 10	16 14.34	-25 52.7	2.252	3.086	12.7	19.2
129874	1999 <i>RN</i> ₂₁₉		6 2.7 300°04	1.8/ 2.4	18		169234	2001 <i>SQ</i> ₃₂		6 2.8 275°27	0.8/ 2.9	18	
5													

EPHEMERIDES

6 2.8

6 2.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
69608	1998 <i>FJ</i> ₄₂		6 2.8 37°90	0°0/ 2.6	18	R	86321	1999 <i>VS</i> ₂₀₂		6 2.8 16°78	8°8/29.2	18	
5 1	17 9.36	-23 52.1	1.120	2.014	17.8	18.0	5 1	17 12.00	-15 55.9	0.957	1.857	19.6	17.7
5 11	17 4.29	-23 32.7	1.075	2.028	13.0	17.8	5 11	17 6.43	-12 36.7	0.904	1.857	14.8	17.5
5 21	16 56.20	-23 6.4	1.049	2.043	7.5	17.5	5 21	16 57.55	-9 8.7	0.873	1.858	10.4	17.2
5 31	16 46.38	-22 34.4	1.046	2.059	1.6	17.2	5 31	16 46.71	-5 49.2	0.865	1.860	8.9	17.1
6 10	16 36.48	-21 59.8	1.066	2.075	4.2	17.4	6 10	16 35.75	-2 57.0	0.881	1.861	11.8	17.3
6 20	16 28.03	-21 27.0	1.109	2.092	9.6	17.8	6 20	16 26.37	-0 45.1	0.918	1.863	16.4	17.5
6 30	16 22.21	-21 0.4	1.174	2.110	14.4	18.1	6 30	16 19.85	+0 41.3	0.974	1.865	20.9	17.8
7 10	16 19.63	-20 43.1	1.256	2.129	18.4	18.4	7 10	16 16.85	+1 25.6	1.045	1.868	24.7	18.1
144658	2004 <i>FF</i> ₁₁₆		6 2.8 7°34	6°0/ 1.0	18		114862	2003 <i>QF</i> ₁		6 2.8 41°77	4°5/ 4.5	18	
5 1	17 5.41	-6 45.3	1.923	2.786	12.9	19.3	5 1	17 10.63	-34 49.7	1.646	2.500	15.1	18.9
5 11	17 0.45	-6 9.2	1.858	2.786	10.1	19.1	5 11	17 4.79	-34 46.2	1.582	2.507	11.7	18.7
5 21	16 53.69	-5 41.9	1.817	2.786	7.4	19.0	5 21	16 56.38	-34 27.3	1.540	2.514	8.0	18.5
5 31	16 45.84	-5 26.7	1.801	2.787	6.0	18.9	5 31	16 46.45	-33 51.1	1.522	2.522	4.9	18.3
6 10	16 37.78	-5 25.7	1.811	2.788	7.0	18.9	6 10	16 36.36	-32 59.3	1.530	2.530	5.1	18.4
6 20	16 30.40	-5 39.8	1.846	2.790	9.5	19.1	6 20	16 27.43	-31 56.4	1.564	2.538	8.3	18.6
6 30	16 24.46	-6 8.2	1.904	2.791	12.4	19.3	6 30	16 20.71	-30 48.8	1.621	2.546	11.9	18.8
7 10	16 20.51	-6 49.0	1.983	2.793	15.0	19.5	7 10	16 16.80	-29 43.0	1.700	2.555	15.2	19.0
67562	2000 <i>SY</i> ₈₆		6 2.8 332°78	3°3/ 2.3	18		404741	2014 <i>JA</i> ₂₇		6 2.8 290°45	2°6/ 2.4	18	
5 1	17 5.12	-15 41.2	1.025	1.931	18.1	18.4	5 1	17 8.62	-12 59.4	2.278	3.137	11.3	20.7
5 11	17 1.87	-15 41.4	0.953	1.912	13.5	18.1	5 11	17 2.85	-13 19.0	2.179	3.113	8.5	20.4
5 21	16 55.29	-15 47.5	0.899	1.894	8.3	17.7	5 21	16 55.19	-13 44.1	2.105	3.089	5.3	20.2
5 31	16 46.29	-16 1.4	0.866	1.877	3.6	17.4	5 31	16 46.23	-14 15.2	2.058	3.065	2.7	20.0
6 10	16 36.44	-16 24.6	0.855	1.861	5.9	17.5	6 10	16 36.77	-14 52.3	2.040	3.041	3.9	20.0
6 20	16 27.47	-16 57.5	0.864	1.847	11.6	17.7	6 20	16 27.67	-15 34.7	2.051	3.017	7.2	20.2
6 30	16 21.03	-17 40.0	0.893	1.835	17.1	18.0	6 30	16 19.79	-16 22.0	2.087	2.993	10.6	20.3
7 10	16 18.19	-18 31.2	0.937	1.824	21.9	18.2	7 10	16 13.79	-17 13.5	2.147	2.969	13.6	20.5
515062	2010 <i>LV</i> ₇₂		6 2.8 211°36	4°4/ 4.9	18		424087	2007 <i>DU</i> ₇₃		6 2.8 124°80	3°1/ 1.8	17	
5 1	17 9.63	-39 35.1	3.171	3.978	9.7	22.6	5 1	17 10.04	-14 46.9	1.981	2.845	12.5	22.6
5 11	17 3.22	-39 49.3	3.082	3.971	7.9	22.5	5 11	17 3.68	-14 19.6	1.922	2.860	9.2	22.4
5 21	16 55.19	-39 52.6	3.017	3.963	5.9	22.4	5 21	16 55.49	-13 54.5	1.888	2.874	5.7	22.2
5 31	16 46.17	-39 43.4	2.978	3.955	4.6	22.3	5 31	16 46.24	-13 33.7	1.881	2.887	3.1	22.1
6 10	16 36.91	-39 21.4	2.968	3.946	4.6	22.2	6 10	16 36.91	-13 18.9	1.902	2.900	4.5	22.2
6 20	16 28.21	-38 47.9	2.987	3.937	6.0	22.3	6 20	16 28.39	-13 11.8	1.949	2.912	7.8	22.4
6 30	16 20.75	-38 5.9	3.032	3.927	8.0	22.4	6 30	16 21.46	-13 13.2	2.022	2.924	11.1	22.6
7 10	16 15.06	-37 19.1	3.101	3.917	10.0	22.6	7 10	16 16.64	-13 23.3	2.117	2.936	13.9	22.9
509092	2005 <i>UB</i> ₃₂₆		6 2.8 295°69	0°2/ 2.8	18		95371	2002 <i>CH</i> ₁₆₂		6 2.8 171°87	0°2/ 2.8	18	
5 1	17 6.65	-23 4.1	2.149	3.016	11.6	21.7	5 1	17 10.15	-22 50.3	1.911	2.777	12.8	19.9
5 11	17 1.43	-23 6.5	2.065	3.005	8.5	21.4	5 11	17 4.09	-22 55.4	1.838	2.778	9.4	19.7
5 21	16 54.33	-23 5.7	2.005	2.995	5.0	21.2	5 21	16 55.90	-22 57.3	1.790	2.780	5.5	19.4
5 31	16 46.00	-23 1.6	1.972	2.985	1.1	20.9	5 31	16 46.37	-22 55.4	1.768	2.781	1.2	19.1
6 10	16 37.34	-22 54.8	1.966	2.974	2.8	21.0	6 10	16 36.55	-22 50.5	1.773	2.781	3.1	19.3
6 20	16 29.25	-22 46.7	1.988	2.964	6.6	21.3	6 20	16 27.49	-22 44.0	1.806	2.782	7.2	19.5
6 30	16 22.57	-22 39.2	2.035	2.954	10.1	21.4	6 30	16 20.13	-22 38.1	1.863	2.782	11.0	19.8
7 10	16 17.91	-22 34.5	2.104	2.944	13.2	21.6	7 10	16 15.09	-22 35.2	1.942	2.782	14.2	20.0
108110	2001 <i>FB</i> ₁₉₄		6 2.8 154°57	2°2/ 3.4	18		302389	2002 <i>CR</i> ₇₇		6 2.8 131°22	1°1/ 2.4	18	
5 1	17 10.25	-28 35.5	2.124	2.978	12.2	20.1	5 1	17 6.21	-19 31.7	2.398	3.262	10.6	20.9
5 11	17 4.03	-28 48.5	2.052	2.982	9.1	19.9	5 11	17 0.79	-19 18.2	2.328	3.267	7.7	20.8
5 21	16 55.80	-28 54.3	2.003	2.986	5.7	19.7	5 21	16 53.80	-19 3.6	2.282	3.271	4.5	20.6
5 31	16 46.31	-28 51.6	1.982	2.990	2.6	19.5	5 31	16 45.89	-18 48.7	2.264	3.276	1.4	20.3
6 10	16 36.58	-28 40.7	1.988	2.993	3.4	19.6	6 10	16 37.82	-18 34.8	2.274	3.280	2.9	20.5
6 20	16 27.60	-28 23.2	2.022	2.996	6.7	19.8	6 20	16 30.34	-18 23.4	2.312	3.284	6.2	20.7
6 30	16 20.25	-28 2.1	2.081	2.998	10.1	20.0	6 30	16 24.13	-18 15.8	2.376	3.288	9.2	20.9
7 10	16 15.12	-27 41.0	2.163	3.001	13.0	20.2	7 10	16 19.67	-18 13.3	2.463	3.292	11.9	21.1
476299	2007 <i>VV</i> ₃₂₆		6 2.8 228°68	0°8/ 2.6	16		131788	2002 <i>AS</i> ₃₀		6 2.8 19°18	4°7/ 2.2	17	
5 1	17 8.72	-19 0.5	2.247	3.110	11.3	21.9	5 1	17 7.63	-13 8.3	1.043	1.942	18.4	19.0
5 11	17 2.82	-19 15.2	2.166	3.104	8.3	21.7	5 11	17 3.22	-12 58.7	0.993	1.947	13.7	18.7
5 21	16 55.09	-19 30.5	2.109	3.098	4.8	21.5	5 21	16 55.75	-12 57.5	0.963	1.954	8.7	18.5
5 31	16 46.17	-19 46.0	2.079	3.092	1.3	21.2	5 31	16 46.36	-13 7.1	0.954	1.961	4.8	18.3
6 10	16 36.92	-20 1.7	2.079	3.085	3.0	21.3	6 10	16 36.67	-13 28.9	0.967	1.969	6.6	18.4
6 20	16 28.22	-20 18.1	2.106	3.079	6.6	21.6	6 20	16 28.25	-14 2.6	1.001	1.979	11.4	18.7
6 30	16 20.87	-20 35.8	2.159	3.072	10.0	21.8	6 30	16 22.38	-14 47.2	1.056	1.989	16.0	19.0
7 10	16 15.47	-20 56.0	2.235	3.065	12.9	21.9	7 10	16 19.80	-15 40.3	1.129	2.000	20.0	19.3
81794	2000 <i>JL</i> ₈₅		6 2.8 293°81	5°5/ 4.1	18		330839	2009 <i>OS</i> ₄		6 2.8 291°11	0°4/ 2.6	17	
5 1	17 11.61	-34 44.2	1.587	2.443	15.5	18.9	5 1	17 9.02	-23 23.5	1.528	2.407	14.8	20.3
5 11	17 6.00	-35 14.6	1.505	2.429	12.2	18.6	5 11	17 3.79	-22 51.3	1.448	2.394	10.9	20.0
5 21	16 57.40	-35 31.5	1.443	2.415	8.7	18.4	5 21	16 55.96	-22 11.8	1.389	2.381	6.3	19.7
5 31	16 46.73	-35 30.7	1.406	2.402	5.8	18.2	5 31	16 46.42	-21 26.4	1.356	2.369	1.4	19.3
6 10	16 35.42	-35 10.7	1.393	2.389	6.2	18.2	6 10	16 36.43	-20 38.1	1.348	2.356	3.8	19.5
6 20	16 25.02	-34 33.9	1.405	2.376	9.4	18.3	6 20	16 27.30	-19 51.2	1.365	2.344	8.8	19.7
6 30	16 16.91	-33 46.0	1.440	2.363	13.3	18.5	6 30	16 20.19	-19 10.3	1.406	2.331	13.3	20.0
7 10	16 11.97	-32 54.3	1.495	2.350	16.9	18.7	7 10	16 15.85	-18 39.0	1.466	2.319	17.3	20.2
340319	2006 <i>DT</i> ₁₉		6 2.8 320°48	4°5/ 3.7	18		494268	2016 <i>QZ</i> ₆₄		6 2.8 133°0			

EPHEMERIDES

6 2.8

6 2.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
106655	2000 <i>WP</i> ₁₄₁		6 2.8 221°60	1°1/ 3.1 18			96859	1999 <i>SE</i> ₂		6 2.8 240°71	10°2/ 6.8 18		
5 1	17 8.63	-25 12.0	2.937	3.785	9.4	19.7	5 1	17 23.70	-55 40.0	2.566	3.284	14.0	19.5
5 11	17 2.50	-25 37.3	2.846	3.775	6.9	19.5	5 11	17 14.76	-56 28.8	2.473	3.266	12.6	19.4
5 21	16 54.83	-25 59.7	2.781	3.765	4.1	19.3	5 21	17 2.47	-56 57.0	2.398	3.248	11.3	19.3
5 31	16 46.16	-26 18.0	2.744	3.755	1.5	19.1	5 31	16 47.91	-56 57.9	2.346	3.228	10.4	19.2
6 10	16 37.16	-26 32.0	2.738	3.744	2.4	19.1	6 10	16 32.74	-56 28.6	2.318	3.208	10.3	19.1
6 20	16 28.57	-26 41.8	2.761	3.733	5.3	19.3	6 20	16 18.71	-55 30.1	2.314	3.187	11.0	19.1
6 30	16 21.04	-26 48.8	2.811	3.721	8.0	19.5	6 30	16 7.31	-54 8.0	2.333	3.166	12.3	19.2
7 10	16 15.11	-26 54.5	2.886	3.709	10.5	19.6	7 10	15 59.42	-52 30.6	2.374	3.143	14.0	19.3
352175	2007 <i>RT</i> ₉₃		6 2.8 270°52	4°1/ 3.7 18			355703	2008 <i>FJ</i> ₆₃		6 2.8 5°73	4°0/ 1.3 16		
5 1	17 11.13	-32 34.7	2.066	2.913	12.8	21.3	5 1	17 4.92	-10 58.9	2.282	3.145	11.1	21.1
5 11	17 5.10	-33 9.2	1.974	2.896	9.9	21.0	5 11	16 59.91	-10 27.7	2.212	3.145	8.4	20.9
5 21	16 56.68	-33 34.9	1.905	2.879	6.8	20.8	5 21	16 53.34	-10 0.9	2.167	3.145	5.7	20.7
5 31	16 46.61	-33 48.7	1.862	2.861	4.3	20.6	5 31	16 45.84	-9 40.9	2.148	3.145	4.0	20.6
6 10	16 35.96	-33 49.1	1.847	2.844	4.8	20.6	6 10	16 38.16	-9 29.6	2.157	3.145	5.1	20.7
6 20	16 25.91	-33 37.2	1.858	2.826	7.7	20.8	6 20	16 31.05	-9 28.1	2.192	3.146	7.7	20.8
6 30	16 17.55	-33 16.1	1.894	2.808	11.1	20.9	6 30	16 25.17	-9 36.9	2.252	3.146	10.5	21.0
7 10	16 11.67	-32 50.4	1.952	2.790	14.2	21.1	7 10	16 21.02	-9 55.4	2.334	3.146	13.0	21.2
3659	Bellingshausen		6 2.8 157°68	1°7/ 2.2 18			519672	2012 <i>YY</i> ₁₀		6 2.8 211°20	3°2/ 1.9 18		
5 1	17 9.94	-18 47.0	1.930	2.798	12.7	18.3	5 1	17 7.66	-10 58.7	2.687	3.538	10.0	22.4
5 11	17 3.79	-18 23.5	1.862	2.803	9.3	18.1	5 11	17 1.75	-10 54.5	2.604	3.531	7.6	22.3
5 21	16 55.66	-17 58.8	1.818	2.807	5.4	17.9	5 21	16 54.37	-10 54.9	2.546	3.524	5.0	22.1
5 31	16 46.33	-17 34.3	1.800	2.811	2.0	17.7	5 31	16 46.07	-11 1.0	2.516	3.516	3.3	22.0
6 10	16 36.81	-17 12.0	1.810	2.815	3.7	17.8	6 10	16 37.53	-11 13.5	2.516	3.508	4.2	22.0
6 20	16 28.08	-16 54.1	1.848	2.818	7.6	18.0	6 20	16 29.42	-11 32.8	2.544	3.499	6.7	22.1
6 30	16 20.99	-16 42.5	1.910	2.821	11.1	18.2	6 30	16 22.40	-11 58.9	2.598	3.490	9.3	22.3
7 10	16 16.11	-16 38.5	1.994	2.824	14.2	18.5	7 10	16 16.95	-12 31.3	2.676	3.480	11.7	22.5
307178	2002 <i>EL</i> ₆₄		6 2.8 63°40	0°0/ 2.5 17			259053	2002 <i>TE</i> ₃₆₆		6 2.8 99°17	0°1/ 2.8 17		
5 1	17 12.06	-23 41.8	1.265	2.149	16.9	20.7	5 1	17 11.90	-21 1.5	1.594	2.467	14.6	21.3
5 11	17 5.99	-23 23.8	1.218	2.166	12.3	20.4	5 11	17 5.65	-21 18.4	1.532	2.475	10.6	21.1
5 21	16 57.12	-22 59.4	1.192	2.184	7.1	20.2	5 21	16 56.92	-21 34.0	1.492	2.483	6.2	20.8
5 31	16 46.64	-22 29.6	1.189	2.202	1.6	19.9	5 31	16 46.66	-21 47.5	1.478	2.491	1.4	20.5
6 10	16 36.13	-21 57.2	1.211	2.220	4.0	20.1	6 10	16 36.10	-21 58.7	1.490	2.498	3.5	20.7
6 20	16 27.01	-21 25.9	1.258	2.238	9.1	20.5	6 20	16 26.51	-22 8.6	1.528	2.506	8.1	21.0
6 30	16 20.39	-21 0.0	1.327	2.257	13.6	20.8	6 30	16 18.93	-22 19.0	1.591	2.513	12.3	21.2
7 10	16 16.86	-20 42.5	1.415	2.275	17.4	21.1	7 10	16 14.06	-22 31.9	1.674	2.520	15.7	21.5
253486	2003 <i>SB</i> ₈₄		6 2.8 306°84	3°9/ 3.4 17			468487	2004 <i>XB</i> ₆₁		6 2.8 286°88	10°1/ 6.9 18		
5 1	17 11.49	-28 59.3	1.337	2.213	16.6	20.0	5 1	17 22.56	-51 10.7	2.038	2.800	15.9	20.5
5 11	17 6.26	-29 42.1	1.260	2.201	12.7	19.8	5 11	17 14.29	-51 28.2	1.924	2.764	14.0	20.3
5 21	16 57.74	-30 17.2	1.203	2.188	8.2	19.5	5 21	17 2.37	-51 20.9	1.829	2.727	12.0	20.1
5 31	16 46.89	-30 40.2	1.169	2.176	4.3	19.2	5 31	16 47.92	-50 41.1	1.758	2.690	10.5	19.9
6 10	16 35.24	-30 48.9	1.160	2.164	5.4	19.2	6 10	16 32.75	-49 25.1	1.710	2.652	10.2	19.8
6 20	16 24.51	-30 44.2	1.175	2.153	9.9	19.5	6 20	16 18.78	-47 35.1	1.688	2.613	11.5	19.8
6 30	16 16.25	-30 30.4	1.211	2.142	14.6	19.7	6 30	16 7.66	-45 19.4	1.691	2.574	13.9	19.9
7 10	16 11.47	-30 13.5	1.266	2.131	18.7	19.9	7 10	16 0.33	-42 50.1	1.717	2.535	16.7	20.0
381920	2010 <i>CK</i> ₇₆		6 2.8 209°69	1°2/ 2.4 17			255439	2005 <i>XE</i> ₁₁₇		6 2.8 284°10	0°3/ 2.7 18		
5 1	17 8.19	-19 40.9	1.892	2.763	12.7	21.4	5 1	17 6.49	-21 42.1	2.301	3.166	11.0	20.9
5 11	17 2.64	-19 28.2	1.820	2.763	9.3	21.2	5 11	17 1.28	-21 39.0	2.209	3.149	8.1	20.7
5 21	16 55.06	-19 14.2	1.772	2.762	5.4	21.0	5 21	16 54.27	-21 33.6	2.141	3.131	4.7	20.4
5 31	16 46.22	-18 59.7	1.749	2.761	1.6	20.7	5 31	16 46.08	-21 26.1	2.100	3.113	1.1	20.1
6 10	16 37.12	-18 46.2	1.754	2.761	3.5	20.9	6 10	16 37.52	-21 17.1	2.087	3.095	2.8	20.2
6 20	16 28.75	-18 35.5	1.786	2.760	7.5	21.1	6 20	16 29.44	-21 8.2	2.101	3.076	6.5	20.4
6 30	16 22.00	-18 29.5	1.842	2.760	11.2	21.3	6 30	16 22.65	-21 1.1	2.142	3.058	9.9	20.6
7 10	16 17.48	-18 29.7	1.920	2.759	14.3	21.5	7 10	16 17.73	-20 57.6	2.205	3.040	12.9	20.8
161084	2002 <i>NM</i> ₆₄		6 2.8 340°81	2°3/ 3.2 17			315293	2007 <i>TO</i> ₁₅₅		6 2.8 209°05	0°6/ 2.9 17		
5 1	17 4.71	-26 33.3	1.052	1.954	18.1	19.9	5 1	17 12.61	-25 4.7	1.735	2.600	14.0	21.8
5 11	17 1.66	-26 46.3	0.983	1.939	13.6	19.6	5 11	17 6.15	-24 50.7	1.657	2.595	10.3	21.5
5 21	16 55.20	-26 50.5	0.931	1.925	8.3	19.2	5 21	16 57.23	-24 29.8	1.601	2.590	6.1	21.3
5 31	16 46.34	-26 44.0	0.901	1.912	3.1	18.9	5 31	16 46.74	-24 1.8	1.572	2.584	1.5	20.9
6 10	16 36.74	-26 27.2	0.892	1.901	4.8	19.0	6 10	16 35.88	-23 28.3	1.570	2.578	3.4	21.1
6 20	16 28.22	-26 3.2	0.904	1.892	10.5	19.2	6 20	16 25.89	-22 52.5	1.594	2.571	7.9	21.3
6 30	16 22.40	-25 37.4	0.936	1.884	15.9	19.5	6 30	16 17.84	-22 18.5	1.644	2.563	12.1	21.6
7 10	16 20.24	-25 15.4	0.985	1.878	20.6	19.8	7 10	16 12.44	-21 50.0	1.714	2.555	15.7	21.8
290902	2005 <i>WL</i> ₉₈		6 2.8 181°17	0°7/ 2.5 18			384888	2012 <i>TT</i> ₈		6 2.8 274°52	3°6/ 3.7 18		
5 1	17 5.85	-20 20.2	2.883	3.740	9.2	22.1	5 1	17 10.45	-31 20.3	1.914	2.769	13.3	20.4
5 11	17 0.35	-20 8.8	2.805	3.741	6.7	21.9	5 11	17 4.60	-31 47.3	1.835	2.762	10.2	20.2
5 21	16 53.51	-19 55.9	2.753	3.741	3.9	21.7	5 21	16 56.36	-32 5.2	1.778	2.756	6.8	20.0
5 31	16 45.86	-19 42.1	2.729	3.741	1.0	21.5	5 31	16 46.56	-32 11.5	1.747	2.750	3.9	19.8
6 10	16 38.06	-19 28.3	2.735	3.741	2.4	21.6	6 10	16 36.34	-32 5.3	1.743	2.744	4.5	19.8
6 20	16 30.74	-19 15.8	2.769	3.740	5.3	21.8	6 20	16 26.86	-31 48.4	1.765	2.737	7.7	20.0
6 30	16 24.47	-19 6.0	2.831	3.739	8.1	22.0	6 30	16 19.20	-31 24.2	1.812	2.731	11.2	20.2
7 10	16 19.70	-19 0.1	2.916	3.737	10.4	22.2	7 10	16 14.07	-30 57.5	1.880	2.725	14.4	20.4
522968	2016 <i>PX</i> ₁₁₅		6 2.8 164°50	3°1/ 4.1 18			1947	Iso-Heikkilä		6 2.8 13°85	2°0/ 2.4		

EPHEMERIDES

6 2.8

6 2.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
380652	2005 <i>AL</i> ₆		6 2.8 117°42	6°5/ 1.4 18			51399	2001 <i>DG</i> ₈₁		6 2.8 351°59	1°1/ 2.7 18		
5 1	17 8.48	- 3 19.0	2.076	2.922	12.8	20.5	5 1	17 9.34	-18 32.2	1.260	2.149	16.5	18.3
5 11	17 2.52	- 2 56.6	2.019	2.932	10.2	20.3	5 11	17 4.42	-18 54.7	1.194	2.145	12.2	18.1
5 21	16 54.86	- 2 45.5	1.985	2.942	7.8	20.2	5 21	16 56.55	-19 19.9	1.149	2.142	7.1	17.8
5 31	16 46.22	- 2 48.5	1.976	2.952	6.5	20.1	5 31	16 46.69	-19 47.0	1.127	2.139	1.9	17.4
6 10	16 37.45	- 3 6.7	1.995	2.962	7.3	20.2	6 10	16 36.30	-20 15.4	1.129	2.138	4.3	17.6
6 20	16 29.37	- 3 40.0	2.039	2.971	9.4	20.3	6 20	16 26.88	-20 45.0	1.155	2.136	9.6	17.9
6 30	16 22.72	- 4 26.6	2.107	2.980	11.9	20.5	6 30	16 19.79	-21 16.5	1.203	2.136	14.5	18.2
7 10	16 18.00	- 5 23.9	2.197	2.989	14.3	20.7	7 10	16 15.86	-21 50.8	1.269	2.136	18.6	18.4
192864	1999 <i>WP</i> ₉		6 2.8 212°06	1°6/ 2.4 18			110995	2001 <i>UD</i> ₂₁₃		6 2.8 121°40	2°5/ 2.4 18		
5 1	17 9.48	-17 14.2	2.249	3.110	11.4	20.2	5 1	17 11.88	-14 18.4	1.912	2.774	13.0	19.6
5 11	17 3.38	-17 17.3	2.167	3.104	8.3	20.0	5 11	17 5.20	-14 29.6	1.850	2.787	9.6	19.4
5 21	16 55.47	-17 21.5	2.110	3.098	5.0	19.8	5 21	16 56.52	-14 44.9	1.813	2.799	5.8	19.2
5 31	16 46.38	-17 27.3	2.081	3.091	1.8	19.6	5 31	16 46.63	-15 4.7	1.803	2.811	2.7	19.0
6 10	16 36.98	-17 35.1	2.080	3.084	3.3	19.7	6 10	16 36.55	-15 29.0	1.820	2.822	4.1	19.1
6 20	16 28.13	-17 45.7	2.107	3.077	6.8	19.9	6 20	16 27.27	-15 57.6	1.865	2.833	7.7	19.4
6 30	16 20.64	-17 59.9	2.160	3.069	10.2	20.1	6 30	16 19.65	-16 30.5	1.935	2.844	11.2	19.6
7 10	16 15.09	-18 18.3	2.236	3.060	13.1	20.2	7 10	16 14.28	-17 7.5	2.028	2.854	14.1	19.8
211182	2002 <i>JX</i> ₉₄		6 2.8 2°85	1°1/ 2.9 17			174521	2003 <i>DQ</i> ₁₄		6 2.8 77°20	4°1/ 1.8 17		
5 1	17 7.35	-23 26.9	1.068	1.968	18.0	19.6	5 1	17 7.98	- 9 40.9	2.178	3.036	11.8	19.8
5 11	17 3.36	-23 51.3	1.010	1.966	13.3	19.4	5 11	17 2.02	- 9 28.0	2.131	3.060	8.9	19.7
5 21	16 56.05	-24 11.9	0.971	1.965	7.9	19.1	5 21	16 54.52	- 9 21.7	2.107	3.084	6.0	19.5
5 31	16 46.56	-24 26.9	0.953	1.966	2.1	18.7	5 31	16 46.16	- 9 23.4	2.111	3.107	4.2	19.5
6 10	16 36.55	-24 36.0	0.958	1.968	4.4	18.9	6 10	16 37.78	- 9 34.0	2.142	3.130	5.1	19.6
6 20	16 27.76	-24 40.6	0.985	1.971	10.1	19.2	6 20	16 30.13	- 9 53.6	2.200	3.154	7.6	19.8
6 30	16 21.66	-24 44.0	1.032	1.975	15.3	19.5	6 30	16 23.88	-10 21.6	2.283	3.176	10.3	20.0
7 10	16 19.08	-24 49.5	1.097	1.981	19.6	19.8	7 10	16 19.47	-10 57.1	2.389	3.199	12.8	20.2
46603	1993 <i>FY</i> ₄₁		6 2.8 166°01	1°0/ 3.1 18			177426	2004 <i>CZ</i> ₄₉		6 2.8 322°94	9°1/ 5.6 17		
5 1	17 12.24	-25 8.8	1.829	2.692	13.5	19.5	5 1	17 15.54	-43 27.1	1.573	2.397	17.2	19.6
5 11	17 5.72	-25 10.5	1.759	2.696	9.9	19.3	5 11	17 9.17	-44 12.7	1.503	2.395	14.3	19.4
5 21	16 56.93	-25 6.3	1.711	2.699	5.9	19.1	5 21	16 59.38	-44 37.1	1.453	2.393	11.5	19.2
5 31	16 46.70	-24 55.8	1.690	2.702	1.7	18.8	5 31	16 47.32	-44 34.0	1.424	2.391	9.5	19.1
6 10	16 36.21	-24 39.6	1.696	2.704	3.2	18.9	6 10	16 34.77	-44 1.2	1.420	2.390	9.3	19.1
6 20	16 26.58	-24 20.1	1.730	2.706	7.5	19.2	6 20	16 23.53	-43 2.0	1.439	2.388	11.2	19.2
6 30	16 18.81	-24 0.3	1.788	2.708	11.3	19.4	6 30	16 15.11	-41 44.5	1.480	2.387	14.1	19.3
7 10	16 13.54	-23 43.5	1.868	2.708	14.6	19.6	7 10	16 10.31	-40 18.7	1.542	2.385	17.0	19.5
21353	1997 <i>FG</i>		6 2.8 6°63	6°7/ 1.5 18			228342	2000 <i>SN</i> ₁₃₆		6 2.8 279°08	3°6/ 3.9 18		
5 1	17 5.49	- 3 49.4	1.897	2.754	13.3	17.4	5 1	17 11.44	-32 23.0	1.833	2.686	13.9	20.6
5 11	17 0.58	- 3 31.0	1.834	2.755	10.6	17.2	5 11	17 5.57	-32 23.5	1.737	2.664	10.7	20.3
5 21	16 53.85	- 3 24.8	1.794	2.756	8.1	17.0	5 21	16 57.09	-32 11.7	1.662	2.640	7.1	20.0
5 31	16 46.02	- 3 33.6	1.778	2.758	6.8	17.0	5 31	16 46.82	-31 45.4	1.613	2.617	4.0	19.8
6 10	16 37.97	- 3 58.7	1.787	2.760	7.5	17.0	6 10	16 35.96	-31 4.6	1.591	2.593	4.5	19.8
6 20	16 30.58	- 4 39.6	1.822	2.763	9.8	17.2	6 20	16 25.81	-30 12.4	1.594	2.569	8.1	19.9
6 30	16 24.64	- 5 34.6	1.880	2.766	12.6	17.3	6 30	16 17.56	-29 14.0	1.623	2.545	12.1	20.1
7 10	16 20.70	- 6 40.7	1.959	2.769	15.1	17.5	7 10	16 12.04	-28 15.7	1.673	2.521	15.7	20.3
215967	2005 <i>QQ</i> ₄₃		6 2.8 132°31	5°1/ 3.9 18			438968	2010 <i>ME</i> ₅₇		6 2.8 259°79	8°3/ 30.6 18		
5 1	17 5.37	- 7 32.1	2.301	3.157	11.3	20.6	5 1	17 6.52	+ 6 59.7	2.786	3.582	11.2	20.9
5 11	17 0.20	- 6 55.0	2.235	3.160	8.8	20.4	5 11	17 0.95	+ 7 30.9	2.702	3.561	9.8	20.8
5 21	16 53.52	- 6 24.6	2.194	3.163	6.4	20.3	5 21	16 53.97	+ 7 48.2	2.640	3.540	8.7	20.6
5 31	16 45.93	- 6 3.7	2.179	3.166	5.1	20.2	5 31	16 46.08	+ 7 48.4	2.603	3.518	8.3	20.6
6 10	16 38.20	- 5 54.3	2.191	3.168	6.0	20.3	6 10	16 37.93	+ 7 29.5	2.591	3.496	8.8	20.6
6 20	16 31.03	- 5 57.3	2.230	3.171	8.3	20.4	6 20	16 30.15	+ 6 51.6	2.605	3.474	10.1	20.6
6 30	16 25.10	- 6 12.6	2.293	3.173	10.8	20.6	6 30	16 23.35	+ 5 55.9	2.643	3.451	11.7	20.7
7 10	16 20.87	- 6 39.1	2.378	3.176	13.2	20.8	7 10	16 18.02	+ 4 45.3	2.702	3.428	13.4	20.8
259193	2003 <i>AS</i> ₃₅		6 2.8 248°44	1°8/ 2.3 18			31	<i>Euphrosyne</i>		6 2.8 157°37	6°6/ 4.8 18		
5 1	17 10.50	-18 22.8	1.904	2.771	12.8	21.0	5 1	17 15.74	-45 28.6	3.024	3.798	10.9	12.7
5 11	17 4.50	-18 6.5	1.815	2.755	9.5	20.7	5 11	17 8.07	-46 30.9	2.951	3.804	9.3	12.6
5 21	16 56.30	-17 49.4	1.749	2.738	5.6	20.5	5 21	16 58.27	-47 20.0	2.902	3.811	7.7	12.5
5 31	16 46.60	-17 32.5	1.710	2.721	2.1	20.2	5 31	16 47.06	-47 52.2	2.880	3.816	6.7	12.5
6 10	16 36.43	-17 17.5	1.698	2.703	3.9	20.3	6 10	16 35.43	-48 5.7	2.885	3.822	6.7	12.5
6 20	16 26.86	-17 6.3	1.713	2.684	8.0	20.5	6 20	16 24.39	-48 1.1	2.916	3.827	7.7	12.5
6 30	16 18.87	-17 1.0	1.753	2.665	11.9	20.7	6 30	16 14.91	-47 41.5	2.973	3.831	9.3	12.6
7 10	16 13.20	-17 3.0	1.814	2.645	15.4	20.9	7 10	16 7.66	-47 11.4	3.052	3.835	10.9	12.8
371926	2008 <i>EL</i> ₁₇		6 2.8 86°06	3°1/ 3.8 17			134916	2000 <i>YP</i> ₅₃		6 2.8 74°67	2°5/ 3.6 17		
5 1	17 12.33	-30 38.4	1.573	2.437	15.2	20.9	5 1	17 12.27	-29 33.2	1.431	2.302	16.1	19.5
5 11	17 6.08	-30 38.7	1.512	2.446	11.5	20.6	5 11	17 6.22	-29 22.4	1.371	2.310	12.0	19.2
5 21	16 57.21	-30 27.2	1.473	2.455	7.3	20.4	5 21	16 57.37	-28 59.5	1.332	2.318	7.5	19.0
5 31	16 46.77	-30 2.4	1.458	2.465	3.6	20.2	5 31	16 46.84	-28 23.5	1.317	2.326	3.2	18.7
6 10	16 36.14	-29 25.7	1.469	2.474	4.3	20.3	6 10	16 36.14	-27 36.8	1.327	2.334	4.2	18.8
6 20	16 26.67	-28 40.8	1.506	2.484	8.2	20.5	6 20	16 26.67	-26 43.9	1.362	2.342	8.6	19.1
6 30	16 19.45	-27 53.4	1.567	2.493	12.2	20.8	6 30	16 19.59	-25 51.1	1.421	2.351	12.9	19.4
7 10	16 15.10	-27 8.9	1.649	2.502	15.6	21.0	7 10	16 15.55	-25 3.7	1.500	2.359	16.6	19.6
234778	2002 <i>PW</i> ₁₆₂		6 2.8 321°62	2°7/ 2.1 17			297730	2001 <i>WF</i> ₄₈		6 2.8 255°49	2°		

EPHEMERIDES

6 2.8

6 2.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
247960	2003 YL ₁₁₇		6 2.8 334° ⁰⁵ 16° ² / 5.5 18				359783	2011 UZ ₁₅₉		6 2.8 262° ⁵⁴ 2° ⁵ / 3.9 18			
5 1	17 20.13	+11 43.9	1.006	1.831	24.6	20.0	5 1	17 8.14	-31 4.5	2.277	3.128	11.6	20.7
5 11	17 12.74	+11 31.6	0.948	1.829	21.6	19.7	5 11	17 2.53	-30 58.8	2.196	3.122	8.8	20.5
5 21	17 1.58	+10 34.5	0.905	1.827	18.6	19.5	5 21	16 55.03	-30 43.8	2.138	3.117	5.7	20.3
5 31	16 47.87	+ 8 43.8	0.880	1.826	16.6	19.4	5 31	16 46.37	-30 18.7	2.106	3.112	2.9	20.1
6 10	16 33.50	+ 5 59.9	0.876	1.824	16.5	19.4	6 10	16 37.46	-29 44.4	2.103	3.106	3.4	20.1
6 20	16 20.44	+ 2 33.2	0.893	1.823	18.5	19.5	6 20	16 29.23	-29 3.4	2.127	3.101	6.4	20.3
6 30	16 10.39	- 1 19.4	0.932	1.822	21.8	19.7	6 30	16 22.49	-28 19.2	2.177	3.096	9.6	20.5
7 10	16 4.31	- 5 20.0	0.990	1.821	25.2	19.9	7 10	16 17.83	-27 35.9	2.249	3.090	12.4	20.7
439184	2011 WM ₁₁₃		6 2.8 328° ⁴⁸ 5° ⁴ / 4.1 17				297707	2001 VF ₉₂		6 2.8 238° ⁸⁸ 4° ⁷ / 31.5 18			
5 1	17 9.79	-35 35.0	1.931	2.775	13.6	20.8	5 1	17 5.75	- 8 44.7	2.568	3.421	10.4	21.2
5 11	17 4.31	-36 20.3	1.851	2.767	10.8	20.6	5 11	17 0.46	- 7 54.5	2.484	3.408	8.0	21.0
5 21	16 56.33	-36 54.5	1.794	2.760	7.8	20.4	5 21	16 53.73	- 7 8.4	2.425	3.394	5.8	20.8
5 31	16 46.67	-37 13.6	1.762	2.752	5.7	20.3	5 31	16 46.07	- 6 29.5	2.393	3.380	4.7	20.7
6 10	16 36.51	-37 15.9	1.756	2.745	6.0	20.3	6 10	16 38.19	- 6 0.3	2.390	3.366	5.6	20.8
6 20	16 27.08	-37 2.6	1.775	2.738	8.4	20.4	6 20	16 30.75	- 5 42.6	2.414	3.352	7.9	20.9
6 30	16 19.52	-36 37.5	1.818	2.732	11.5	20.6	6 30	16 24.39	- 5 37.1	2.463	3.337	10.4	21.0
7 10	16 14.61	-36 5.9	1.883	2.726	14.4	20.8	7 10	16 19.60	- 5 43.6	2.534	3.321	12.7	21.2
344893	2004 RC ₄₂		6 2.8 289° ²⁷ 2° ⁸ / 1.9 14 C				459641	2013 JT ₃₃		6 2.8 355° ³⁴ 18° ⁹ / 4.7 17			
5 1	17 8.55	-17 10.9	1.748	2.622	13.4	21.8	5 1	17 10.28	+17 6.5	1.128	1.934	23.6	19.5
5 11	17 3.35	-16 36.3	1.651	2.594	10.0	21.5	5 11	17 5.12	+17 33.8	1.077	1.928	21.7	19.3
5 21	16 55.78	-16 0.2	1.577	2.566	6.1	21.2	5 21	16 56.94	+17 18.0	1.040	1.924	20.1	19.2
5 31	16 46.56	-15 25.0	1.529	2.538	2.9	20.9	5 31	16 46.83	+16 10.0	1.019	1.921	19.1	19.1
6 10	16 36.73	-14 53.6	1.506	2.509	4.8	21.0	6 10	16 36.32	+14 7.3	1.016	1.919	19.1	19.1
6 20	16 27.43	-14 29.1	1.510	2.480	9.0	21.2	6 20	16 26.96	+11 15.9	1.031	1.919	20.3	19.2
6 30	16 19.74	-14 14.2	1.538	2.451	13.2	21.4	6 30	16 20.05	+ 7 47.7	1.065	1.920	22.2	19.3
7 10	16 14.49	-14 10.5	1.585	2.421	17.0	21.5	7 10	16 16.36	+ 3 58.4	1.117	1.923	24.4	19.5
427340	2014 WK ₃₄₈		6 2.8 173° ¹⁶ 4° ¹ / 3.9 17				370041	2000 SL ₆₉		6 2.8 258° ¹⁴ 4° ⁵ / 3.7 18			
5 1	17 14.50	-32 37.4	1.750	2.600	14.6	21.4	5 1	17 13.77	-33 18.2	2.060	2.901	13.0	21.1
5 11	17 7.70	-32 58.8	1.678	2.602	11.2	21.2	5 11	17 7.21	-34 1.1	1.964	2.881	10.2	20.9
5 21	16 58.24	-33 8.5	1.629	2.604	7.5	21.0	5 21	16 58.07	-34 35.1	1.891	2.861	7.1	20.7
5 31	16 47.09	-33 3.5	1.604	2.605	4.5	20.8	5 31	16 47.11	-34 56.5	1.844	2.840	4.8	20.5
6 10	16 35.58	-32 43.4	1.607	2.606	5.0	20.8	6 10	16 35.45	-35 3.1	1.825	2.819	5.2	20.5
6 20	16 25.06	-32 11.0	1.635	2.607	8.3	21.0	6 20	16 24.33	-34 55.4	1.832	2.797	8.1	20.6
6 30	16 16.69	-31 31.3	1.688	2.607	11.9	21.2	6 30	16 14.96	-34 36.7	1.865	2.774	11.5	20.8
7 10	16 11.19	-30 50.0	1.763	2.606	15.2	21.5	7 10	16 8.18	-34 11.9	1.919	2.752	14.6	20.9
414216	2008 EE ₇₀		6 2.8 163° ⁵⁹ 10° ³ / 6.1 14 C				475835	2007 BG ₁₄		6 2.8 278° ³⁹ 4° ⁵ / 4.5 18			
5 1	17 25.63	-51 33.9	2.203	2.954	15.2	22.0	5 1	17 9.37	-36 18.6	2.327	3.161	12.0	21.2
5 11	17 16.33	-52 48.2	2.136	2.961	13.3	21.9	5 11	17 3.61	-36 34.3	2.237	3.147	9.5	21.0
5 21	17 3.50	-53 41.4	2.090	2.967	11.6	21.8	5 21	16 55.76	-36 38.4	2.170	3.133	6.8	20.8
5 31	16 48.30	-54 6.2	2.066	2.973	10.5	21.7	5 31	16 46.55	-36 28.5	2.128	3.119	4.8	20.6
6 10	16 32.50	-53 59.5	2.067	2.978	10.4	21.7	6 10	16 36.97	-36 4.3	2.114	3.105	4.9	20.6
6 20	16 17.97	-53 22.9	2.092	2.981	11.3	21.8	6 20	16 28.03	-35 27.6	2.127	3.091	7.2	20.7
6 30	16 6.29	-52 23.1	2.140	2.985	12.9	21.9	6 30	16 20.65	-34 42.2	2.165	3.077	10.0	20.9
7 10	15 58.32	-51 9.1	2.209	2.987	14.7	22.0	7 10	16 15.50	-33 53.1	2.227	3.063	12.7	21.0
334784	2003 SP ₁₅₃		6 2.8 198° ⁰⁶ 3° ⁷ / 3.8 18				423432	2005 QP ₆₃		6 2.8 293° ⁷⁰ 4° ⁴ / 3.8 17			
5 1	17 12.34	-32 46.7	2.380	3.218	11.6	21.2	5 1	17 11.53	-31 59.6	1.564	2.426	15.4	21.1
5 11	17 5.65	-33 20.4	2.298	3.215	9.0	21.0	5 11	17 5.99	-32 29.6	1.482	2.413	11.9	20.9
5 21	16 56.89	-33 45.5	2.241	3.211	6.1	20.9	5 21	16 57.51	-32 48.7	1.422	2.401	8.0	20.6
5 31	16 46.79	-33 59.6	2.210	3.207	3.9	20.7	5 31	16 46.99	-32 53.2	1.387	2.389	4.8	20.4
6 10	16 36.31	-34 1.6	2.208	3.203	4.3	20.7	6 10	16 35.83	-32 41.8	1.376	2.377	5.4	20.4
6 20	16 26.46	-33 52.6	2.233	3.198	6.8	20.9	6 20	16 25.54	-32 16.4	1.390	2.365	9.1	20.6
6 30	16 18.14	-33 35.5	2.285	3.193	9.7	21.1	6 30	16 17.47	-31 42.0	1.427	2.353	13.2	20.8
7 10	16 12.01	-33 14.1	2.359	3.187	12.4	21.2	7 10	16 12.50	-31 4.9	1.485	2.341	16.9	21.0
192789	1999 UA ₃₅		6 2.8 123° ⁰³ 1° ⁰ / 2.5 18				489360	2006 UW ₁₃₅		6 2.8 183° ²⁴ 1° ⁶ / 2.2 17			
5 1	17 9.31	-20 24.6	2.134	2.998	11.8	20.8	5 1	17 6.48	-17 58.0	2.634	3.494	9.9	23.0
5 11	17 3.19	-20 6.7	2.072	3.011	8.5	20.7	5 11	17 0.95	-17 36.1	2.557	3.494	7.2	22.8
5 21	16 55.31	-19 46.8	2.033	3.023	4.9	20.5	5 21	16 53.97	-17 13.7	2.506	3.494	4.3	22.6
5 31	16 46.40	-19 25.8	2.022	3.035	1.4	20.2	5 31	16 46.14	-16 52.0	2.483	3.493	1.7	22.4
6 10	16 37.39	-19 5.3	2.040	3.046	3.1	20.4	6 10	16 38.13	-16 32.5	2.489	3.493	3.0	22.5
6 20	16 29.13	-18 47.2	2.084	3.057	6.7	20.6	6 20	16 30.65	-16 16.6	2.524	3.491	6.0	22.7
6 30	16 22.37	-18 33.4	2.155	3.067	10.0	20.8	6 30	16 24.30	-16 5.8	2.585	3.490	8.8	22.9
7 10	16 17.64	-18 25.5	2.248	3.078	12.8	21.1	7 10	16 19.57	-16 0.9	2.669	3.488	11.3	23.0
177896	2005 RD ₆		6 2.8 284° ¹² 4° ⁴ / 1.2 16				235005	2003 CW ₁₇		6 2.8 9° ⁶⁹ 6° ² / 1.6 17			
5 1	17 5.38	-10 28.0	2.183	3.047	11.5	19.9	5 1	17 6.37	-12 22.6	0.997	1.900	18.7	19.7
5 11	17 0.39	- 9 53.2	2.108	3.040	8.8	19.7	5 11	17 2.48	-11 38.2	0.947	1.901	14.1	19.5
5 21	16 53.75	- 9 23.1	2.056	3.034	6.1	19.5	5 21	16 55.48	-11 1.4	0.914	1.903	9.4	19.2
5 31	16 46.08	- 9 0.4	2.032	3.027	4.4	19.4	5 31	16 46.52	-10 37.4	0.903	1.906	6.2	19.1
6 10	16 38.17	- 8 47.3	2.034	3.021	5.5	19.5	6 10	16 37.22	-10 30.5	0.912	1.911	8.0	19.2
6 20	16 30.81	- 8 45.1	2.062	3.014	8.2	19.6	6 20	16 29.18	-10 42.2	0.943	1.916	12.5	19.4
6 30	16 24.72	- 8 54.3	2.115	3.008	11.1	19.8	6 30	16 23.69	-11 12.1	0.993	1.922	17.1	19.7
7 10	16 20.45	- 9 14.4	2.190	3.002	13.7	20.0	7 10	16 21.50	-				

EPHEMERIDES

6 2.8

6 2.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
17552	1993 <i>TZ</i> ₃₆		6 2.8 267°14	4.1/ 1.7	18		115120	2003 <i>SV</i> ₄₄		6 2.8 203°52	2.5/ 3.7	18	
5 1	17 10.13	-14 35.4	1.526	2.403	14.9	19.1	5 1	17 10.24	-29 49.2	2.024	2.879	12.7	20.0
5 11	17 4.65	-13 57.7	1.444	2.387	11.2	18.8	5 11	17 4.26	-29 52.7	1.947	2.877	9.5	19.8
5 21	16 56.60	-13 21.7	1.385	2.371	7.1	18.5	5 21	16 56.15	-29 47.3	1.894	2.876	6.1	19.6
5 31	16 46.80	-12 50.6	1.350	2.355	4.2	18.3	5 31	16 46.69	-29 31.9	1.867	2.874	2.9	19.3
6 10	16 36.46	-12 27.7	1.340	2.339	5.9	18.3	6 10	16 36.95	-29 7.0	1.867	2.872	3.6	19.4
6 20	16 26.85	-12 15.9	1.356	2.323	10.1	18.5	6 20	16 27.98	-28 35.1	1.894	2.869	7.0	19.6
6 30	16 19.13	-12 16.9	1.394	2.306	14.4	18.7	6 30	16 20.70	-27 59.8	1.947	2.867	10.5	19.8
7 10	16 14.12	-12 31.2	1.452	2.289	18.2	18.9	7 10	16 15.76	-27 25.3	2.021	2.864	13.6	20.0
79098	1981 <i>EE</i> ₂₆		6 2.8 75°08	2.8/ 2.1	17		250289	2003 <i>ON</i> ₂₈		6 2.8 269°62	5.1/ 4.1	17	
5 1	17 10.52	-17 22.1	1.491	2.369	15.1	19.6	5 1	17 13.62	-33 42.9	1.524	2.382	16.0	21.2
5 11	17 4.57	-16 48.2	1.440	2.385	11.0	19.4	5 11	17 7.68	-34 7.8	1.441	2.368	12.5	20.9
5 21	16 56.29	-16 14.7	1.411	2.401	6.6	19.1	5 21	16 58.59	-34 19.4	1.379	2.354	8.6	20.6
5 31	16 46.67	-15 44.1	1.407	2.416	2.9	19.0	5 31	16 47.31	-34 13.4	1.340	2.340	5.5	20.4
6 10	16 36.98	-15 19.3	1.429	2.432	4.8	19.1	6 10	16 35.34	-33 48.5	1.327	2.326	5.9	20.4
6 20	16 28.38	-15 2.7	1.476	2.448	9.0	19.4	6 20	16 24.31	-33 7.3	1.338	2.311	9.5	20.6
6 30	16 21.83	-14 56.0	1.546	2.463	12.9	19.7	6 30	16 15.66	-32 16.1	1.373	2.297	13.7	20.8
7 10	16 17.89	-14 59.8	1.637	2.479	16.3	19.9	7 10	16 10.32	-31 22.5	1.427	2.282	17.5	21.0
62407	2000 <i>SO</i> ₁₇₆		6 2.8 164°50	1.5/ 3.3	18		106880	2000 <i>YM</i> ₃₆		6 2.8 171°84	3.2/ 1.7	18	
5 1	17 13.18	-27 12.2	1.652	2.516	14.6	19.8	5 1	17 5.96	-9 52.7	3.148	3.994	8.8	20.4
5 11	17 6.65	-27 0.1	1.583	2.520	10.8	19.6	5 11	17 0.35	-9 43.5	3.074	3.998	6.7	20.3
5 21	16 57.59	-26 38.8	1.536	2.523	6.5	19.3	5 21	16 53.57	-9 38.7	3.027	4.001	4.5	20.1
5 31	16 46.98	-26 8.2	1.514	2.526	2.2	19.1	5 31	16 46.10	-9 39.3	3.008	4.003	3.2	20.0
6 10	16 36.12	-25 29.9	1.520	2.528	3.5	19.2	6 10	16 38.48	-9 46.2	3.018	4.005	3.9	20.1
6 20	16 26.27	-24 47.4	1.552	2.530	8.0	19.4	6 20	16 31.28	-9 59.6	3.058	4.007	5.9	20.2
6 30	16 18.52	-24 5.7	1.608	2.531	12.1	19.7	6 30	16 25.00	-10 19.6	3.124	4.008	8.1	20.4
7 10	16 13.52	-23 29.1	1.685	2.532	15.7	19.9	7 10	16 20.03	-10 45.8	3.214	4.008	10.1	20.5
92956	2000 <i>RC</i> ₄₅		6 2.8 326°97	4.9/ 4.2	18		409326	2004 <i>TC</i> ₃₆₇		6 2.8 251°60	2.7/ 3.5	17	
5 1	17 11.68	-34 20.0	1.709	2.561	14.8	18.1	5 1	17 14.06	-28 32.4	1.599	2.463	15.1	22.1
5 11	17 5.79	-34 44.7	1.636	2.559	11.5	17.9	5 11	17 7.78	-28 47.8	1.512	2.447	11.4	21.8
5 21	16 57.22	-34 56.3	1.585	2.557	8.0	17.7	5 21	16 58.57	-28 54.7	1.447	2.432	7.2	21.6
5 31	16 46.93	-34 51.8	1.559	2.556	5.3	17.5	5 31	16 47.30	-28 50.3	1.407	2.415	3.2	21.3
6 10	16 36.23	-34 30.6	1.558	2.554	5.6	17.5	6 10	16 35.35	-28 34.2	1.392	2.398	4.3	21.3
6 20	16 26.50	-33 55.3	1.582	2.553	8.6	17.7	6 20	16 24.19	-28 8.4	1.404	2.381	8.8	21.5
6 30	16 18.91	-33 11.1	1.631	2.552	12.1	17.9	6 30	16 15.16	-27 37.6	1.439	2.363	13.2	21.7
7 10	16 14.19	-32 24.3	1.700	2.550	15.4	18.1	7 10	16 9.19	-27 7.3	1.495	2.345	17.2	21.9
507929	2015 <i>AK</i> ₁₄		6 2.8 86°82	2.5/ 3.1	17		189581	2000 <i>UL</i> ₇₆		6 2.8 286°69	0.2/ 2.8	18	
5 1	17 14.79	-25 23.4	1.647	2.511	14.6	20.3	5 1	17 12.57	-20 22.9	1.848	2.712	13.3	20.3
5 11	17 7.97	-26 25.8	1.584	2.520	10.9	20.1	5 11	17 6.49	-20 48.2	1.740	2.679	9.9	20.0
5 21	16 58.47	-27 24.9	1.543	2.529	6.7	19.9	5 21	16 57.82	-21 14.6	1.655	2.644	5.9	19.7
5 31	16 47.21	-28 16.5	1.529	2.538	2.9	19.6	5 31	16 47.17	-21 40.9	1.596	2.609	1.3	19.3
6 10	16 35.52	-28 58.1	1.541	2.546	4.1	19.7	6 10	16 35.62	-22 6.2	1.566	2.574	3.5	19.4
6 20	16 24.74	-29 29.1	1.580	2.555	8.2	20.0	6 20	16 24.37	-22 30.3	1.562	2.538	8.2	19.6
6 30	16 16.06	-29 51.6	1.644	2.563	12.1	20.3	6 30	16 14.68	-22 54.0	1.584	2.501	12.6	19.7
7 10	16 10.27	-30 9.0	1.729	2.572	15.5	20.5	7 10	16 7.50	-23 19.2	1.627	2.464	16.5	19.9
334560	2002 <i>TW</i> ₁₈		6 2.8 250°47	1.8/ 2.3	17		434680	2006 <i>BR</i> ₂₀		6 2.8 157°95	0.3/ 2.9	17	
5 1	17 10.85	-19 12.6	1.889	2.756	12.9	21.6	5 1	17 10.68	-23 57.1	2.230	3.087	11.6	22.7
5 11	17 4.83	-18 44.8	1.798	2.738	9.5	21.4	5 11	17 4.26	-23 50.3	2.159	3.094	8.5	22.5
5 21	16 56.57	-18 14.5	1.730	2.719	5.7	21.1	5 21	16 56.01	-23 39.0	2.113	3.100	4.9	22.3
5 31	16 46.79	-17 43.0	1.689	2.700	2.0	20.8	5 31	16 46.67	-23 23.4	2.094	3.106	1.2	22.0
6 10	16 36.54	-17 12.8	1.675	2.680	3.9	20.9	6 10	16 37.14	-23 4.6	2.103	3.111	2.7	22.2
6 20	16 26.89	-16 46.4	1.688	2.659	8.1	21.1	6 20	16 28.33	-22 44.3	2.141	3.116	6.4	22.4
6 30	16 18.85	-16 26.7	1.726	2.638	12.1	21.3	6 30	16 21.02	-22 25.0	2.205	3.120	9.7	22.6
7 10	16 13.16	-16 15.7	1.786	2.616	15.6	21.5	7 10	16 15.76	-22 9.2	2.292	3.123	12.6	22.8
435276	2007 <i>TX</i> ₃₀₀		6 2.8 326°72	0.3/ 2.7	16		424002	2006 <i>VH</i> ₁₇₀		6 2.8 189°91	1.0/ 2.6	17	
5 1	17 6.12	-23 0.6	1.567	2.449	14.3	20.7	5 1	17 11.60	-19 53.2	2.127	2.987	12.0	22.5
5 11	17 1.74	-22 40.4	1.486	2.433	10.5	20.5	5 11	17 5.05	-19 46.6	2.049	2.986	8.8	22.3
5 21	16 54.90	-22 14.6	1.426	2.418	6.2	20.2	5 21	16 56.54	-19 38.5	1.996	2.984	5.1	22.1
5 31	16 46.42	-21 44.2	1.391	2.404	1.4	19.8	5 31	16 46.80	-19 29.4	1.970	2.982	1.4	21.8
6 10	16 37.49	-21 11.3	1.381	2.390	3.6	19.9	6 10	16 36.78	-19 20.3	1.972	2.979	3.2	22.0
6 20	16 29.30	-20 39.2	1.396	2.377	8.4	20.2	6 20	16 27.42	-19 12.5	2.003	2.975	7.0	22.2
6 30	16 22.98	-20 11.7	1.435	2.364	12.8	20.4	6 30	16 19.58	-19 8.0	2.059	2.970	10.5	22.4
7 10	16 19.28	-19 51.8	1.493	2.353	16.7	20.6	7 10	16 13.85	-19 8.3	2.138	2.965	13.5	22.6
67736	2000 <i>UD</i> ₂₈		6 2.8 354°74	1.0/ 3.1	18		380173	2000 <i>SB</i> ₁₁		6 2.8 227°72	7.9/30.0	18	
5 1	17 8.67	-25 44.7	1.164	2.056	17.5	18.8	5 1	17 7.73	-1 45.2	2.158	2.998	12.6	21.4
5 11	17 4.16	-25 30.4	1.101	2.053	12.9	18.5	5 11	17 2.14	-0 27.7	2.084	2.988	10.4	21.2
5 21	16 56.50	-25 6.6	1.057	2.050	7.7	18.2	5 21	16 54.82	+0 40.5	2.034	2.977	8.6	21.1
5 31	16 46.78	-24 33.3	1.036	2.048	2.1	17.9	5 31	16 46.42	+1 34.3	2.009	2.966	7.9	21.0
6 10	16 36.65	-23 53.3	1.038	2.047	4.2	18.0	6 10	16 37.75	+2 9.7	2.011	2.954	8.9	21.1
6 20	16 27.72	-23 11.2	1.063	2.047	9.8	18.3	6 20	16 29.63	+2 24.9	2.038	2.942	10.9	21.2
6 30	16 21.37	-22 32.7	1.109	2.048	14.8	18.6	6 30	16 22.81	+2 19.7	2.088	2.929	13.3	21.3
7 10	16 18.38	-22 2.5	1.173	2.049	19.1	18.9	7 10	16 17.86	+1 56.2	2.157	2.915	15.5	21.4
12046	1997 <i>FQ</i> ₄		6 2.8 350°06	0.0/ 2.6	18		32794	1989 <i>UE</i> ₅		6 2.8 58°15</			

EPHEMERIDES

6 2.8

6 2.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
384100	2008 <i>WD</i> ₄₂	6 2.8 340°26	2°1/ 3.1 17				230302	2002 <i>AF</i> ₉₁	6 2.8 264°38	2°3/ 2.2 18			
5 1	17 9.65	-25 6.1	1.545	2.421	14.8	20.3	5 1	17 9.17	-17 9.0	1.813	2.685	13.2	20.7
5 11	17 4.48	-25 51.9	1.470	2.413	11.0	20.0	5 11	17 3.65	-16 51.0	1.730	2.671	9.7	20.5
5 21	16 56.61	-26 34.7	1.418	2.407	6.7	19.8	5 21	16 55.92	-16 33.4	1.669	2.658	5.9	20.2
5 31	16 46.88	-27 11.6	1.390	2.400	2.6	19.5	5 31	16 46.73	-16 17.6	1.634	2.644	2.5	20.0
6 10	16 36.56	-27 40.6	1.388	2.395	4.0	19.6	6 10	16 37.10	-16 5.5	1.626	2.630	4.2	20.0
6 20	16 27.02	-28 1.7	1.411	2.390	8.5	19.8	6 20	16 28.10	-15 58.9	1.645	2.616	8.3	20.2
6 30	16 19.51	-28 16.7	1.457	2.386	12.7	20.1	6 30	16 20.73	-15 59.5	1.688	2.602	12.2	20.4
7 10	16 14.87	-28 28.9	1.523	2.382	16.4	20.3	7 10	16 15.69	-16 8.3	1.751	2.587	15.6	20.6
488918	2005 <i>UG</i> ₂	6 2.8 255°08	1°1/ 3.2 18				279605	2011 <i>EF</i> ₂₄	6 2.8 75°41	3°0/ 3.6 17			
5 1	17 7.93	-26 3.4	2.594	3.447	10.3	21.9	5 1	17 13.44	-29 14.6	1.663	2.524	14.7	20.9
5 11	17 2.28	-26 9.4	2.499	3.431	7.6	21.7	5 11	17 6.78	-29 42.1	1.611	2.544	11.0	20.7
5 21	16 54.93	-26 10.9	2.428	3.414	4.6	21.5	5 21	16 57.65	-30 0.5	1.582	2.564	6.9	20.6
5 31	16 46.47	-26 7.2	2.386	3.397	1.6	21.2	5 31	16 47.08	-30 7.5	1.578	2.585	3.5	20.4
6 10	16 37.65	-25 58.5	2.372	3.379	2.6	21.3	6 10	16 36.36	-30 3.0	1.600	2.605	4.2	20.5
6 20	16 29.28	-25 46.0	2.387	3.361	5.8	21.5	6 20	16 26.77	-29 49.4	1.649	2.624	7.9	20.7
6 30	16 22.12	-25 31.7	2.428	3.343	8.9	21.6	6 30	16 19.33	-29 30.4	1.722	2.644	11.5	21.0
7 10	16 16.72	-25 18.0	2.493	3.324	11.7	21.8	7 10	16 14.64	-29 10.7	1.816	2.664	14.7	21.2
140730	2001 <i>UU</i> ₉₈	6 2.8 136°82	1°0/ 3.1 18				119738	2001 <i>YV</i> ₂₃	6 2.8 142°81	1°7/ 3.5 18			
5 1	17 9.31	-24 31.8	2.299	3.157	11.3	20.0	5 1	17 11.74	-28 35.1	1.964	2.820	13.0	20.0
5 11	17 3.33	-24 54.4	2.227	3.161	8.3	19.8	5 11	17 5.27	-28 19.1	1.895	2.828	9.6	19.8
5 21	16 55.53	-25 13.7	2.179	3.166	4.9	19.6	5 21	16 56.68	-27 54.0	1.850	2.835	5.9	19.6
5 31	16 46.59	-25 28.6	2.158	3.170	1.5	19.4	5 31	16 46.86	-27 19.6	1.832	2.841	2.3	19.3
6 10	16 37.40	-25 38.8	2.166	3.174	2.8	19.5	6 10	16 36.88	-26 37.6	1.841	2.848	3.2	19.4
6 20	16 28.82	-25 45.0	2.202	3.178	6.2	19.7	6 20	16 27.81	-25 51.4	1.877	2.854	7.0	19.7
6 30	16 21.65	-25 48.8	2.265	3.181	9.4	19.9	6 30	16 20.52	-25 5.2	1.940	2.859	10.6	19.9
7 10	16 16.46	-25 52.3	2.350	3.185	12.2	20.1	7 10	16 15.60	-24 23.0	2.024	2.864	13.7	20.1
344749	2003 <i>UX</i> ₂₈₉	6 2.8 319°71	1°4/ 2.4 16				369089	2008 <i>GE</i> ₆₅	6 2.8 280°41	5°4/ 31.7 18			
5 1	17 5.88	-22 8.8	1.422	2.310	15.1	20.4	5 1	17 9.36	-12 9.0	1.721	2.591	13.8	20.6
5 11	17 1.97	-21 24.1	1.325	2.276	11.2	20.1	5 11	17 3.97	-11 4.3	1.626	2.563	10.6	20.4
5 21	16 55.29	-20 30.9	1.250	2.243	6.7	19.7	5 21	16 56.22	-10 0.3	1.554	2.534	7.3	20.1
5 31	16 46.62	-19 31.2	1.198	2.211	1.9	19.3	5 31	16 46.82	-9 1.8	1.507	2.504	5.4	19.9
6 10	16 37.19	-18 29.0	1.171	2.179	4.5	19.4	6 10	16 36.82	-8 13.4	1.486	2.474	7.0	19.9
6 20	16 28.39	-17 29.8	1.168	2.148	9.8	19.6	6 20	16 27.33	-7 39.4	1.491	2.444	10.6	20.1
6 30	16 21.53	-16 39.3	1.187	2.117	14.9	19.8	6 30	16 19.45	-7 22.4	1.519	2.413	14.5	20.2
7 10	16 17.59	-16 1.9	1.225	2.088	19.3	20.0	7 10	16 13.98	-7 22.8	1.566	2.382	18.1	20.4
408489	2013 <i>JC</i> ₉	6 2.8 87°33	0°4/ 2.9 17				136356	2004 <i>CG</i> ₉₈	6 2.8 218°62	1°7/ 3.3 18			
5 1	17 14.08	-23 34.6	1.375	2.251	16.2	21.1	5 1	17 13.65	-26 43.5	2.029	2.883	12.7	21.0
5 11	17 7.48	-23 34.1	1.324	2.268	11.9	20.9	5 11	17 6.87	-26 59.4	1.942	2.874	9.5	20.8
5 21	16 58.13	-23 28.3	1.294	2.285	6.9	20.7	5 21	16 57.78	-27 9.4	1.879	2.864	5.8	20.5
5 31	16 47.17	-23 16.8	1.289	2.302	1.6	20.4	5 31	16 47.15	-27 11.9	1.843	2.853	2.2	20.3
6 10	16 36.10	-23 1.1	1.309	2.318	3.8	20.6	6 10	16 36.05	-27 6.7	1.835	2.841	3.4	20.3
6 20	16 26.31	-22 43.9	1.355	2.334	8.7	20.9	6 20	16 25.60	-26 55.1	1.854	2.829	7.2	20.5
6 30	16 18.93	-22 28.9	1.424	2.350	13.1	21.2	6 30	16 16.84	-26 39.9	1.900	2.816	11.0	20.7
7 10	16 14.58	-22 19.0	1.512	2.366	16.8	21.5	7 10	16 10.49	-26 24.9	1.968	2.802	14.2	20.9
475778	2006 <i>WA</i> ₂₀₃	6 2.8 108°97	2°2/ 2.4 17				43158	1999 <i>XK</i> ₁₂₁	6 2.8 228°51	1°1/ 3.1 18			
5 1	17 8.53	-13 51.7	2.478	3.335	10.6	21.6	5 1	17 12.84	-25 20.7	1.920	2.780	13.1	19.4
5 11	17 2.48	-14 4.8	2.414	3.347	7.8	21.4	5 11	17 6.35	-25 25.6	1.833	2.769	9.7	19.2
5 21	16 54.92	-14 21.6	2.375	3.359	4.8	21.2	5 21	16 57.51	-25 24.9	1.770	2.757	5.8	18.9
5 31	16 46.45	-14 42.1	2.364	3.371	2.4	21.1	5 31	16 47.10	-25 17.6	1.732	2.744	1.8	18.6
6 10	16 37.83	-15 6.5	2.382	3.383	3.4	21.2	6 10	16 36.21	-25 4.1	1.723	2.731	3.2	18.7
6 20	16 29.78	-15 34.6	2.429	3.395	6.3	21.4	6 20	16 25.99	-24 46.2	1.741	2.717	7.5	18.9
6 30	16 22.97	-16 6.3	2.502	3.406	9.1	21.6	6 30	16 17.51	-24 27.0	1.785	2.703	11.4	19.1
7 10	16 17.87	-16 41.5	2.599	3.417	11.6	21.8	7 10	16 11.50	-24 10.0	1.850	2.688	14.8	19.3
289386	2005 <i>CX</i> ₂₉	6 2.8 143°98	1°8/ 2.3 18				291722	2006 <i>JP</i> ₂₉	6 2.9 311°06	0°3/ 2.9 17			
5 1	17 8.58	-17 29.2	2.039	2.906	12.1	20.9	5 1	17 9.02	-22 33.3	1.797	2.668	13.3	20.8
5 11	17 2.86	-17 19.8	1.970	2.909	8.9	20.7	5 11	17 3.59	-22 45.2	1.721	2.663	9.8	20.5
5 21	16 55.27	-17 11.0	1.924	2.913	5.3	20.5	5 21	16 55.90	-22 54.6	1.667	2.658	5.7	20.3
5 31	16 46.54	-17 3.8	1.906	2.916	2.0	20.3	5 31	16 46.73	-23 0.8	1.640	2.653	1.3	20.0
6 10	16 37.59	-16 59.3	1.915	2.919	3.6	20.4	6 10	16 37.16	-23 4.0	1.639	2.648	3.2	20.1
6 20	16 29.33	-16 58.9	1.951	2.922	7.2	20.6	6 20	16 28.31	-23 5.4	1.665	2.643	7.5	20.4
6 30	16 22.56	-17 3.5	2.012	2.925	10.6	20.8	6 30	16 21.18	-23 6.9	1.715	2.638	11.5	20.6
7 10	16 17.84	-17 14.1	2.096	2.927	13.6	21.0	7 10	16 16.46	-23 10.7	1.786	2.634	14.9	20.8
250294	2003 <i>QJ</i> ₂	6 2.8 268°17	1°2/ 3.2 17				329526	2002 <i>TU</i> ₁₀	6 2.9 207°06	14°9/ 26.9 18			
5 1	17 11.85	-26 35.9	1.546	2.417	15.1	20.9	5 1	17 12.53	+ 4 2.2	1.281	2.126	19.1	21.1
5 11	17 6.12	-26 21.2	1.460	2.401	11.3	20.6	5 11	17 6.49	+ 6 39.2	1.230	2.123	16.8	21.0
5 21	16 57.58	-25 57.1	1.395	2.384	6.8	20.3	5 21	16 57.69	+ 8 56.9	1.199	2.119	15.2	20.9
5 31	16 47.12	-25 23.1	1.356	2.368	2.1	20.0	5 31	16 47.14	+10 42.6	1.189	2.114	15.1	20.8
6 10	16 36.08	-24 40.7	1.342	2.351	3.7	20.0	6 10	16 36.22	+11 47.3	1.200	2.108	16.4	20.9
6 20	16 25.87	-23 53.8	1.354	2.333	8.7	20.3	6 20	16 26.33	+12 8.2	1.231	2.102	18.7	21.0
6 30	16 17.77	-23 7.7	1.389	2.316	13.4	20.5	6 30	16 18.66	+11 48.0	1.279	2.095	21.3	21.2
7 10	16 12.61	-22 27.6	1.445	2.298	17.4	20.7	7 10	16 13.95	+10 53.9	1.340	2.087	23.8	21.4
350676	2001 <i>UL</i> ₁₃₆	6 2.8 164°51	0°9/ 3.2 18				346092	2007 <i>VK</i> ₃₀	6 2.9 172°36				

EPHEMERIDES

6 2.9

6 2.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
379585	2011 <i>BF</i> ₈₃		6 2.9 55°36	2.1/ 2.4	17		101090	1998 <i>RG</i> ₃₃		6 2.9 193°53	2.9/ 3.9	18	
5 1	17 9.69	-17 16.3	1.598	2.475	14.4	20.6	5 1	17 11.37	-32 17.0	2.763	3.596	10.3	21.3
5 11	17 4.08	-17 12.6	1.535	2.480	10.5	20.4	5 11	17 4.71	-32 33.6	2.678	3.593	7.9	21.2
5 21	16 56.15	-17 10.5	1.495	2.485	6.3	20.1	5 21	16 56.32	-32 42.3	2.618	3.590	5.3	21.0
5 31	16 46.78	-17 10.8	1.480	2.490	2.4	19.9	5 31	16 46.84	-32 41.4	2.586	3.586	3.2	20.9
6 10	16 37.14	-17 14.6	1.490	2.496	4.2	20.0	6 10	16 37.10	-32 30.9	2.583	3.581	3.5	20.9
6 20	16 28.38	-17 22.9	1.527	2.502	8.4	20.3	6 20	16 27.91	-32 11.9	2.609	3.576	5.9	21.0
6 30	16 21.52	-17 36.8	1.587	2.508	12.4	20.5	6 30	16 20.03	-31 47.1	2.663	3.570	8.5	21.2
7 10	16 17.19	-17 56.9	1.668	2.513	15.8	20.8	7 10	16 14.00	-31 19.7	2.740	3.564	10.9	21.3
208350	2001 <i>RC</i> ₁₄		6 2.9 208°20	1.1/ 2.5	18		491237	2011 <i>UP</i> ₂₀₀		6 2.9 229°61	0.1/ 2.9	18	
5 1	17 7.49	-19 35.3	2.338	3.201	10.9	21.3	5 1	17 7.45	-24 46.9	2.654	3.509	10.0	21.3
5 11	17 1.94	-19 20.7	2.260	3.198	8.0	21.1	5 11	17 1.79	-24 16.7	2.566	3.500	7.3	21.1
5 21	16 54.71	-19 4.9	2.206	3.195	4.7	20.8	5 21	16 54.59	-23 41.0	2.502	3.490	4.3	20.9
5 31	16 46.45	-18 48.5	2.179	3.191	1.4	20.6	5 31	16 46.45	-23 0.6	2.467	3.480	1.0	20.6
6 10	16 37.95	-18 33.0	2.181	3.187	3.0	20.7	6 10	16 38.10	-22 17.2	2.461	3.469	2.4	20.7
6 20	16 30.02	-18 19.8	2.211	3.183	6.4	20.9	6 20	16 30.29	-21 33.2	2.484	3.458	5.7	20.9
6 30	16 23.38	-18 10.7	2.266	3.178	9.6	21.1	6 30	16 23.66	-20 51.5	2.534	3.447	8.7	21.1
7 10	16 18.57	-18 6.9	2.345	3.173	12.4	21.3	7 10	16 18.73	-20 14.4	2.608	3.435	11.3	21.3
267181	2000 <i>QD</i> ₅₆		6 2.9 282°05	9.8/ 30.7	18		198442	2004 <i>WR</i> ₇		6 2.9 250°93	0.2/ 2.8	17	
5 1	17 7.56	+ 0 52.9	1.730	2.575	15.0	19.9	5 1	17 9.78	-22 10.9	1.990	2.856	12.4	21.1
5 11	17 2.45	+ 1 54.2	1.657	2.560	12.6	19.7	5 11	17 4.01	-22 6.6	1.904	2.843	9.1	20.9
5 21	16 55.22	+ 2 40.8	1.605	2.545	10.6	19.5	5 21	16 56.12	-21 59.1	1.841	2.831	5.3	20.6
5 31	16 46.59	+ 3 6.8	1.576	2.530	9.8	19.4	5 31	16 46.83	-21 48.5	1.805	2.818	1.2	20.3
6 10	16 37.56	+ 3 8.1	1.571	2.515	10.8	19.5	6 10	16 37.13	-21 35.8	1.796	2.804	3.1	20.4
6 20	16 29.15	+ 2 43.8	1.589	2.500	13.0	19.6	6 20	16 28.03	-21 22.6	1.815	2.790	7.2	20.7
6 30	16 22.31	+ 1 55.5	1.629	2.485	15.6	19.7	6 30	16 20.49	-21 11.3	1.858	2.776	11.0	20.9
7 10	16 17.72	+ 0 47.1	1.686	2.471	18.2	19.8	7 10	16 15.18	-21 4.2	1.924	2.762	14.3	21.0
248395	2005 <i>SG</i> ₄₆		6 2.9 300°48	3.3/ 3.8	18		96985	1999 <i>TT</i> ₂₁₂		6 2.9 98°04	3.0/ 3.9	18	
5 1	17 8.60	-31 16.8	2.070	2.924	12.5	20.3	5 1	17 12.52	-30 55.0	2.022	2.871	12.9	19.6
5 11	17 3.28	-31 36.9	1.980	2.907	9.6	20.0	5 11	17 5.80	-31 8.0	1.965	2.890	9.7	19.4
5 21	16 55.74	-31 48.4	1.913	2.891	6.4	19.8	5 21	16 56.99	-31 11.5	1.931	2.909	6.3	19.2
5 31	16 46.72	-31 49.2	1.872	2.875	3.7	19.6	5 31	16 46.98	-31 3.9	1.923	2.927	3.4	19.1
6 10	16 37.22	-31 38.8	1.858	2.859	4.2	19.6	6 10	16 36.87	-30 45.7	1.943	2.946	3.9	19.1
6 20	16 28.33	-31 18.7	1.870	2.843	7.3	19.8	6 20	16 27.70	-30 19.5	1.991	2.963	6.9	19.4
6 30	16 21.03	-30 52.1	1.907	2.828	10.7	19.9	6 30	16 20.35	-29 48.8	2.064	2.981	10.1	19.6
7 10	16 16.05	-30 23.2	1.967	2.812	13.8	20.1	7 10	16 15.37	-29 18.0	2.159	2.998	13.0	19.8
182361	2001 <i>QN</i> ₁₂₀		6 2.9 290°94	5.0/ 1.2	18		279242	2009 <i>VL</i> ₁₆		6 2.9 89°46	0.7/ 3.0	17	
5 1	17 8.92	-12 56.1	1.613	2.488	14.3	20.2	5 1	17 11.02	-23 36.8	1.765	2.634	13.6	20.9
5 11	17 3.84	-12 4.7	1.518	2.458	11.0	19.9	5 11	17 4.95	-23 50.3	1.703	2.643	10.0	20.7
5 21	16 56.25	-11 14.6	1.444	2.427	7.4	19.7	5 21	16 56.63	-24 0.1	1.663	2.652	5.8	20.5
5 31	16 46.87	-10 29.8	1.395	2.396	5.0	19.4	5 31	16 46.92	-24 5.2	1.649	2.661	1.5	20.2
6 10	16 36.79	-9 54.8	1.372	2.365	6.7	19.5	6 10	16 36.98	-24 5.9	1.662	2.670	3.2	20.4
6 20	16 27.22	-9 33.2	1.373	2.334	10.7	19.6	6 20	16 27.91	-24 3.6	1.701	2.679	7.4	20.6
6 30	16 19.34	-9 27.3	1.398	2.302	14.9	19.8	6 30	16 20.69	-24 0.7	1.766	2.688	11.3	20.9
7 10	16 14.02	-9 37.7	1.441	2.270	18.7	19.9	7 10	16 15.95	-23 59.6	1.851	2.697	14.5	21.1
33970	2000 <i>NC</i> ₁₄		6 2.9 286°07	4.9/ 1.2	18		169411	2001 <i>XS</i> ₁₂₉		6 2.9 188°20	0.1/ 2.9	18	
5 1	17 5.89	-9 9.5	2.106	2.968	12.0	18.9	5 1	17 7.59	-23 24.2	2.374	3.234	10.9	20.7
5 11	17 0.91	-8 35.5	2.028	2.958	9.2	18.7	5 11	17 2.02	-23 15.5	2.297	3.234	7.9	20.5
5 21	16 54.19	-8 7.4	1.973	2.947	6.5	18.5	5 21	16 54.77	-23 3.1	2.245	3.233	4.6	20.3
5 31	16 46.35	-7 48.0	1.945	2.937	5.0	18.4	5 31	16 46.50	-22 47.3	2.220	3.233	1.1	20.0
6 10	16 38.23	-7 39.7	1.943	2.927	6.0	18.4	6 10	16 38.02	-22 29.0	2.224	3.232	2.6	20.2
6 20	16 30.64	-7 43.7	1.967	2.917	8.7	18.6	6 20	16 30.13	-22 10.1	2.255	3.231	6.1	20.4
6 30	16 24.37	-8 0.2	2.016	2.907	11.6	18.7	6 30	16 23.56	-21 52.5	2.313	3.229	9.2	20.6
7 10	16 19.97	-8 28.2	2.085	2.897	14.3	18.9	7 10	16 18.84	-21 38.4	2.394	3.228	12.0	20.8
433318	2013 <i>QC</i> ₃		6 2.9 244°79	1.2/ 2.5	17		211936	2004 <i>XY</i> ₁₈		6 2.9 230°23	0.7/ 2.6	17	
5 1	17 10.92	-20 18.2	1.879	2.746	13.0	22.0	5 1	17 12.60	-22 15.9	1.707	2.575	14.0	21.2
5 11	17 4.92	-19 57.6	1.791	2.731	9.6	21.8	5 11	17 6.32	-21 48.6	1.624	2.565	10.3	21.0
5 21	16 56.68	-19 34.2	1.727	2.716	5.6	21.5	5 21	16 57.56	-21 15.9	1.564	2.554	6.0	20.7
5 31	16 46.94	-19 9.0	1.688	2.700	1.6	21.2	5 31	16 47.17	-20 38.8	1.529	2.542	1.5	20.3
6 10	16 36.74	-18 43.7	1.678	2.684	3.6	21.3	6 10	16 36.34	-19 59.6	1.522	2.530	3.7	20.5
6 20	16 27.19	-18 20.8	1.694	2.667	7.9	21.5	6 20	16 26.30	-19 21.8	1.541	2.517	8.3	20.7
6 30	16 19.27	-18 3.1	1.735	2.650	11.9	21.7	6 30	16 18.15	-18 49.3	1.585	2.503	12.6	20.9
7 10	16 13.72	-17 52.7	1.798	2.632	15.4	21.9	7 10	16 12.62	-18 25.1	1.650	2.489	16.3	21.1
466550	2014 <i>SX</i> ₃₀₇		6 2.9 241°53	2.5/ 3.4	16		231754	1999 <i>TL</i> ₂₀₂		6 2.9 143°48	3.5/ 1.4	18	
5 1	17 15.11	-28 12.1	1.789	2.645	14.0	22.0	5 1	17 8.44	-14 4.5	2.226	3.087	11.4	20.8
5 11	17 8.37	-28 32.0	1.697	2.628	10.6	21.7	5 11	17 2.53	-13 13.5	2.162	3.096	8.5	20.6
5 21	16 58.89	-28 44.6	1.628	2.611	6.7	21.4	5 21	16 55.00	-12 24.0	2.123	3.105	5.5	20.4
5 31	16 47.49	-28 47.2	1.584	2.593	3.0	21.2	5 31	16 46.55	-11 39.0	2.111	3.113	3.5	20.3
6 10	16 35.40	-28 39.1	1.568	2.573	4.0	21.2	6 10	16 37.99	-11 1.2	2.128	3.120	4.7	20.4
6 20	16 23.99	-28 21.8	1.579	2.554	8.2	21.4	6 20	16 30.11	-10 32.7	2.172	3.128	7.6	20.6
6 30	16 14.51	-27 58.9	1.615	2.533	12.4	21.6	6 30	16 23.61	-10 15.1	2.241	3.134	10.5	20.8
7 10	16 7.83	-27 35.5	1.672	2.512	16.1	21.8	7 10	16 18.96	-10 8.5	2.333	3.141	13.1	21.0
387088	2012 <i>TB</i> ₁₀₅		6 2.9 172°52	1.7/ 3.4	17		258791	2002 <i>JF</i> ₁₄₄		6 2.9 17°06			

EPHEMERIDES

6 2.9

6 2.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
206954	2004 <i>RQ</i> ₃₂₂	6 2.9 225°83	2°7/ 3.7 17				253658	2003 <i>UK</i> ₁₆₁	6 2.9 196°12	0°0/ 2.7 17			
5 1	17 14.56	-30 11.5	1.675	2.532	14.8	20.9	5 1	17 12.60	-23 9.6	1.919	2.781	13.0	21.6
5 11	17 7.95	-30 6.0	1.592	2.523	11.2	20.6	5 11	17 6.04	-22 55.1	1.841	2.779	9.5	21.4
5 21	16 58.59	-29 48.9	1.531	2.514	7.1	20.4	5 21	16 57.27	-22 35.7	1.787	2.776	5.6	21.1
5 31	16 47.42	-29 18.4	1.496	2.504	3.3	20.1	5 31	16 47.12	-22 11.8	1.759	2.772	1.3	20.8
6 10	16 35.79	-28 35.4	1.487	2.493	4.1	20.1	6 10	16 36.66	-21 44.9	1.759	2.767	3.1	21.0
6 20	16 25.07	-27 43.6	1.505	2.482	8.3	20.3	6 20	16 26.96	-21 17.4	1.787	2.762	7.4	21.2
6 30	16 16.50	-26 48.9	1.548	2.470	12.5	20.6	6 30	16 18.99	-20 52.7	1.840	2.756	11.2	21.4
7 10	16 10.84	-25 57.1	1.611	2.458	16.3	20.8	7 10	16 13.41	-20 33.3	1.915	2.750	14.5	21.6
59768	1999 <i>NV</i> ₁₀	6 2.9 268°14	3°0/ 4.0 18				2651	Karen	6 2.9 226°93	5°3/ 31.7 18			
5 1	17 8.60	-32 10.4	2.324	3.171	11.6	19.2	5 1	17 6.54	-2 52.1	2.983	3.814	9.7	17.7
5 11	17 2.99	-32 11.9	2.238	3.161	8.8	19.0	5 11	17 0.95	-2 25.1	2.898	3.801	7.8	17.6
5 21	16 55.45	-32 3.9	2.174	3.151	5.9	18.8	5 21	16 54.07	-2 6.0	2.837	3.786	6.1	17.4
5 31	16 46.68	-31 45.0	2.138	3.141	3.3	18.7	5 31	16 46.38	-1 56.9	2.804	3.772	5.3	17.4
6 10	16 37.62	-31 15.8	2.129	3.130	3.7	18.7	6 10	16 38.46	-1 59.3	2.799	3.756	6.0	17.4
6 20	16 29.18	-30 38.3	2.147	3.120	6.5	18.8	6 20	16 30.90	-2 13.9	2.821	3.740	7.7	17.5
6 30	16 22.22	-29 56.3	2.192	3.110	9.6	19.0	6 30	16 24.26	-2 40.2	2.870	3.724	9.7	17.6
7 10	16 17.33	-29 13.6	2.259	3.100	12.4	19.2	7 10	16 18.99	-3 17.0	2.940	3.706	11.6	17.7
187075	2005 <i>NA</i> ₃₁	6 2.9 272°54	1°7/ 2.4 18				510101	2010 <i>RE</i> ₈	6 2.9 201°49	8°3/ 6.5 18			
5 1	17 10.47	-18 58.4	1.741	2.612	13.6	20.8	5 1	17 16.08	-51 13.2	2.775	3.524	12.4	21.5
5 11	17 4.85	-18 41.5	1.648	2.590	10.1	20.5	5 11	17 8.73	-51 59.1	2.697	3.521	10.9	21.4
5 21	16 56.79	-18 23.1	1.577	2.567	6.0	20.2	5 21	16 58.91	-52 27.8	2.639	3.518	9.5	21.3
5 31	16 47.04	-18 4.3	1.533	2.544	2.1	19.9	5 31	16 47.50	-52 35.1	2.606	3.515	8.5	21.2
6 10	16 36.67	-17 46.9	1.515	2.521	4.0	20.0	6 10	16 35.71	-52 19.4	2.597	3.512	8.4	21.2
6 20	16 26.89	-17 33.1	1.523	2.497	8.6	20.2	6 20	16 24.77	-51 42.1	2.613	3.508	9.1	21.2
6 30	16 18.79	-17 25.5	1.556	2.473	12.8	20.4	6 30	16 15.76	-50 47.1	2.653	3.504	10.5	21.3
7 10	16 13.21	-17 25.8	1.609	2.449	16.6	20.6	7 10	16 9.39	-49 40.7	2.715	3.500	12.0	21.4
431066	2006 <i>BD</i> ₂₀₈	6 2.9 111°77	7°6/ 6.2 17				236655	2006 <i>KL</i> ₁₀₄	6 2.9 119°33	1°9/ 3.4 17			
5 1	17 15.99	-44 14.4	1.944	2.750	15.0	20.5	5 1	17 11.72	-27 8.6	2.101	2.955	12.3	21.4
5 11	17 8.85	-44 34.3	1.877	2.758	12.5	20.3	5 11	17 5.24	-27 32.2	2.035	2.967	9.1	21.2
5 21	16 58.97	-44 34.2	1.831	2.766	9.9	20.2	5 21	16 56.73	-27 50.0	1.994	2.978	5.6	21.0
5 31	16 47.47	-44 10.0	1.809	2.773	8.0	20.1	5 31	16 46.99	-28 0.3	1.980	2.989	2.4	20.8
6 10	16 35.81	-43 21.7	1.812	2.781	7.8	20.1	6 10	16 37.03	-28 3.1	1.994	3.000	3.2	20.9
6 20	16 25.38	-42 13.1	1.841	2.788	9.3	20.2	6 20	16 27.85	-27 59.5	2.035	3.010	6.7	21.1
6 30	16 17.32	-40 50.9	1.894	2.795	11.8	20.3	6 30	16 20.31	-27 52.0	2.103	3.020	10.0	21.4
7 10	16 12.26	-39 23.5	1.969	2.802	14.3	20.5	7 10	16 15.00	-27 43.7	2.193	3.029	12.9	21.6
6248	1991 <i>BM</i> ₂	6 2.9 138°75	0°2/ 2.9 18				20197	Enriques	6 2.9 115°20	7°2/ 31.9 18			
5 1	17 7.58	-23 26.4	2.612	3.468	10.1	18.6	5 1	17 8.33	-3 9.0	1.974	2.822	13.2	18.4
5 11	17 1.83	-23 20.4	2.542	3.477	7.4	18.5	5 11	17 2.59	-2 25.6	1.919	2.832	10.6	18.2
5 21	16 54.59	-23 11.2	2.497	3.485	4.3	18.3	5 21	16 55.11	-1 53.7	1.887	2.842	8.3	18.1
5 31	16 46.47	-22 58.7	2.480	3.493	1.0	18.0	5 31	16 46.62	-1 36.8	1.881	2.852	7.2	18.1
6 10	16 38.21	-22 43.9	2.492	3.500	2.3	18.2	6 10	16 38.00	-1 37.2	1.900	2.862	8.0	18.1
6 20	16 30.53	-22 28.4	2.533	3.507	5.5	18.4	6 20	16 30.11	-1 55.0	1.944	2.871	10.1	18.3
6 30	16 24.08	-22 13.8	2.600	3.514	8.4	18.6	6 30	16 23.69	-2 29.0	2.012	2.880	12.6	18.5
7 10	16 19.32	-22 2.0	2.691	3.521	11.0	18.8	7 10	16 19.25	-3 16.5	2.100	2.889	15.0	18.6
437268	2012 <i>XW</i> ₁₂₈	6 2.9 333°37	0°0/ 2.7 17				102001	1999 <i>RG</i> ₇₉	6 2.9 352°68	4°9/ 4.4 17			
5 1	17 6.93	-23 37.0	1.622	2.501	14.1	20.3	5 1	17 10.29	-36 31.5	2.249	3.083	12.4	19.4
5 11	17 2.26	-23 15.7	1.546	2.492	10.3	20.1	5 11	17 4.38	-37 3.6	2.174	3.082	9.8	19.3
5 21	16 55.22	-22 48.5	1.492	2.483	6.0	19.8	5 21	16 56.33	-37 24.2	2.121	3.082	7.1	19.1
5 31	16 46.66	-22 16.2	1.462	2.475	1.4	19.5	5 31	16 46.93	-37 30.6	2.094	3.082	5.2	19.0
6 10	16 37.73	-21 41.1	1.459	2.468	3.4	19.6	6 10	16 37.19	-37 22.1	2.094	3.082	5.3	19.0
6 20	16 29.60	-21 6.4	1.481	2.461	8.1	19.9	6 20	16 28.17	-37 0.0	2.121	3.081	7.4	19.1
6 30	16 23.31	-20 35.9	1.526	2.455	12.3	20.1	6 30	16 20.81	-36 28.2	2.172	3.081	10.1	19.3
7 10	16 19.56	-20 12.7	1.592	2.449	15.9	20.3	7 10	16 15.74	-35 51.2	2.246	3.081	12.7	19.5
270545	2002 <i>GT</i> ₁₃₆	6 2.9 187°26	4°8/ 31.8 18				59178	1999 <i>AF</i> ₈	6 2.9 210°12	0°7/ 2.8 18			
5 1	17 8.07	-10 37.8	2.137	2.997	11.9	20.7	5 1	17 13.21	-19 51.8	1.471	2.346	15.4	18.1
5 11	17 2.38	-9 39.8	2.066	2.996	9.1	20.5	5 11	17 7.06	-20 5.7	1.400	2.344	11.4	17.9
5 21	16 55.00	-8 45.6	2.021	2.996	6.3	20.3	5 21	16 58.13	-20 19.6	1.351	2.342	6.7	17.6
5 31	16 46.58	-7 58.7	2.002	2.994	4.8	20.2	5 31	16 47.37	-20 32.8	1.327	2.340	1.6	17.3
6 10	16 37.98	-7 22.4	2.010	2.993	6.0	20.3	6 10	16 36.11	-20 45.3	1.329	2.337	3.9	17.4
6 20	16 30.01	-6 58.7	2.045	2.991	8.6	20.4	6 20	16 25.77	-20 58.0	1.356	2.334	8.9	17.7
6 30	16 23.42	-6 48.7	2.105	2.989	11.5	20.6	6 30	16 17.56	-21 12.4	1.407	2.331	13.4	18.0
7 10	16 18.72	-6 52.1	2.186	2.986	14.1	20.8	7 10	16 12.30	-21 30.4	1.477	2.328	17.3	18.2
393642	2004 <i>PJ</i> ₂₃	6 2.9 310°70	3°0/ 3.9 18				39864	Poggiali	6 2.9 222°51	3°3/ 1.9 18 R			
5 1	17 7.73	-31 16.3	1.978	2.836	12.8	20.3	5 1	17 7.36	-11 58.6	2.353	3.212	11.0	19.1
5 11	17 2.75	-31 17.9	1.883	2.813	9.8	20.1	5 11	17 1.84	-11 48.8	2.275	3.207	8.3	18.9
5 21	16 55.51	-31 9.3	1.811	2.791	6.4	19.8	5 21	16 54.71	-11 43.4	2.222	3.202	5.4	18.7
5 31	16 46.74	-30 49.0	1.764	2.769	3.5	19.6	5 31	16 46.55	-11 43.7	2.195	3.197	3.4	18.6
6 10	16 37.49	-30 17.3	1.744	2.748	4.0	19.6	6 10	16 38.14	-11 50.9	2.196	3.191	4.4	18.6
6 20	16 28.86	-29 36.5	1.750	2.727	7.4	19.7	6 20	16 30.23	-12 5.5	2.226	3.185	7.2	18.8
6 30	16 21.87	-28 50.9	1.781	2.706	11.1	19.9	6 30	16 23.55	-12 27.6	2.280	3.179	10.1	19.0
7 10	16 17.25	-28 5.2	1.834	2.685	14.4	20.1	7 10	16 18.61	-12 56.8	2.358	3.173	12.7	19.1
259883	2004 <i>DK</i> ₂₆	6 2.9 52°98	1°9/ 3.3 17				141328	2001 <i>YB</i> ₁₃₈	6 2.9 128°26	5°8/ 4.9 18			
5 1	17 11												

EPHEMERIDES

6 2.9

6 2.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
395565	2011 <i>UH</i> ₂₂₆		6 2.9 124°04	3°2/ 3.8 17			231292	2006 <i>BZ</i> ₁₀₇		6 2.9 246°42	1°5/ 3.3 17		
5 1	17 10.56	-31 52.5	2.548	3.387	10.9	21.9	5 1	17 10.45	-26 33.2	1.866	2.729	13.2	21.3
5 11	17 4.22	-32 25.0	2.479	3.398	8.3	21.7	5 11	17 4.67	-26 35.9	1.786	2.723	9.8	21.1
5 21	16 56.09	-32 49.8	2.435	3.408	5.6	21.5	5 21	16 56.60	-26 31.9	1.730	2.717	5.9	20.8
5 31	16 46.87	-33 4.9	2.418	3.417	3.4	21.4	5 31	16 47.06	-26 20.4	1.700	2.711	2.1	20.6
6 10	16 37.42	-33 9.9	2.429	3.427	3.8	21.5	6 10	16 37.14	-26 2.0	1.696	2.704	3.3	20.6
6 20	16 28.60	-33 5.7	2.469	3.436	6.2	21.6	6 20	16 27.96	-25 38.9	1.720	2.698	7.4	20.9
6 30	16 21.19	-32 54.7	2.535	3.445	8.8	21.8	6 30	16 20.53	-25 14.4	1.768	2.691	11.2	21.1
7 10	16 15.73	-32 40.0	2.624	3.453	11.2	22.0	7 10	16 15.54	-24 52.1	1.838	2.684	14.6	21.3
59990	1999 <i>SA</i> ₁₇		6 2.9 335°87	12°8/25.4 18			45270	2000 <i>AT</i> ₈		6 2.9 310°74	2°0/ 3.2 18 R		
5 1	17 3.47	+ 6 49.3	1.781	2.609	15.3	18.5	5 1	17 11.34	-24 53.6	1.384	2.263	16.0	17.8
5 11	16 59.41	+ 9 4.5	1.724	2.597	13.8	18.3	5 11	17 6.14	-25 33.0	1.306	2.251	12.0	17.6
5 21	16 53.46	+11 2.9	1.688	2.585	12.9	18.3	5 21	16 57.88	-26 9.4	1.249	2.238	7.3	17.3
5 31	16 46.30	+12 35.6	1.674	2.574	13.0	18.2	5 31	16 47.43	-26 39.7	1.215	2.226	2.7	16.9
6 10	16 38.85	+13 36.6	1.683	2.563	14.0	18.3	6 10	16 36.21	-27 1.8	1.207	2.215	4.3	17.0
6 20	16 32.02	+14 3.6	1.711	2.553	15.6	18.4	6 20	16 25.79	-27 16.0	1.223	2.203	9.3	17.3
6 30	16 26.64	+13 57.7	1.758	2.544	17.5	18.5	6 30	16 17.63	-27 24.8	1.261	2.193	14.1	17.5
7 10	16 23.32	+13 23.1	1.819	2.536	19.3	18.6	7 10	16 12.70	-27 32.0	1.318	2.182	18.2	17.7
427882	2005 <i>SQ</i> ₁₅₆		6 2.9 185°56	0°4/ 3.0 17			113067	2002 <i>RM</i> ₆₀		6 2.9 258°08	0°2/ 2.9 18		
5 1	17 10.96	-23 37.6	1.778	2.646	13.6	21.9	5 1	17 8.69	-21 53.9	2.064	2.930	12.0	19.1
5 11	17 5.00	-23 38.2	1.706	2.646	10.0	21.7	5 11	17 3.16	-21 53.4	1.982	2.922	8.8	18.9
5 21	16 56.76	-23 34.3	1.656	2.646	5.8	21.5	5 21	16 55.65	-21 50.3	1.924	2.914	5.2	18.7
5 31	16 47.06	-23 25.8	1.633	2.645	1.4	21.2	5 31	16 46.86	-21 44.8	1.893	2.905	1.2	18.4
6 10	16 37.03	-23 13.3	1.636	2.645	3.2	21.3	6 10	16 37.72	-21 37.6	1.889	2.897	2.9	18.5
6 20	16 27.82	-22 59.0	1.666	2.644	7.6	21.6	6 20	16 29.18	-21 30.0	1.912	2.889	6.9	18.7
6 30	16 20.41	-22 45.6	1.721	2.643	11.5	21.8	6 30	16 22.12	-21 24.1	1.961	2.880	10.5	18.9
7 10	16 15.50	-22 35.8	1.797	2.642	14.9	22.0	7 10	16 17.18	-21 21.9	2.032	2.871	13.6	19.1
437432	2013 <i>XV</i> ₂₄		6 2.9 185°83	2°1/ 2.2 17			432358	2009 <i>VP</i> ₁₁₄		6 2.9 94°17	1°8/ 3.6 17		
5 1	17 9.09	-16 21.4	2.432	3.290	10.7	21.8	5 1	17 11.94	-29 4.0	1.945	2.801	13.1	21.2
5 11	17 3.04	-16 4.1	2.355	3.290	7.9	21.6	5 11	17 5.38	-28 47.3	1.888	2.820	9.7	21.1
5 21	16 55.38	-15 47.5	2.304	3.289	4.8	21.4	5 21	16 56.79	-28 21.3	1.855	2.838	5.9	20.9
5 31	16 46.73	-15 32.8	2.280	3.288	2.2	21.2	5 31	16 47.08	-27 45.9	1.847	2.857	2.4	20.7
6 10	16 37.87	-15 21.4	2.285	3.286	3.5	21.3	6 10	16 37.34	-27 3.2	1.868	2.875	3.2	20.8
6 20	16 29.56	-15 14.5	2.318	3.284	6.6	21.5	6 20	16 28.58	-26 16.6	1.916	2.893	6.8	21.0
6 30	16 22.51	-15 13.3	2.378	3.281	9.6	21.7	6 30	16 21.66	-25 30.2	1.989	2.910	10.3	21.3
7 10	16 17.23	-15 18.5	2.461	3.277	12.2	21.9	7 10	16 17.07	-24 48.0	2.085	2.927	13.3	21.5
220992	2005 <i>NZ</i> ₄₈		6 2.9 308°21	0°4/ 2.8 18			451272	2010 <i>RB</i> ₉		6 2.9 0°72	28°1/21.9 18		
5 1	17 10.09	-20 8.6	1.421	2.304	15.5	19.8	5 1	17 5.48	+23 48.3	0.871	1.677	29.0	19.6
5 11	17 5.06	-20 29.7	1.340	2.287	11.5	19.5	5 11	17 2.20	+26 37.5	0.850	1.674	28.3	19.5
5 21	16 57.16	-20 51.7	1.279	2.271	6.8	19.2	5 21	16 55.57	+28 32.2	0.840	1.673	28.1	19.5
5 31	16 47.22	-21 13.7	1.243	2.256	1.6	18.8	5 31	16 46.86	+29 19.0	0.840	1.672	28.3	19.5
6 10	16 36.54	-21 35.1	1.231	2.240	3.9	19.0	6 10	16 37.85	+28 52.8	0.849	1.673	28.8	19.5
6 20	16 26.57	-21 56.2	1.245	2.225	9.2	19.2	6 20	16 30.20	+27 16.9	0.868	1.675	29.7	19.6
6 30	16 18.67	-22 18.2	1.281	2.211	14.0	19.5	6 30	16 25.30	+24 41.2	0.896	1.678	30.7	19.7
7 10	16 13.77	-22 42.9	1.336	2.197	18.2	19.7	7 10	16 23.89	+21 20.5	0.933	1.682	31.8	19.8
26690	2001 <i>FS</i> ₅₇		6 2.9 339°85	1°1/ 2.7 18			85824	1998 <i>XV</i> ₂₀		6 2.9 80°50	0°2/ 2.8 17		
5 1	17 5.85	-19 14.8	1.122	2.022	17.3	17.6	5 1	17 10.83	-22 43.6	1.602	2.476	14.5	19.4
5 11	17 2.38	-19 27.2	1.050	2.007	12.8	17.3	5 11	17 4.97	-22 30.4	1.542	2.486	10.6	19.2
5 21	16 55.76	-19 41.2	0.999	1.993	7.6	16.9	5 21	16 56.74	-22 12.8	1.504	2.495	6.1	18.9
5 31	16 46.91	-19 56.9	0.968	1.981	2.0	16.6	5 31	16 47.10	-21 51.4	1.492	2.504	1.4	18.7
6 10	16 37.33	-20 14.6	0.960	1.970	4.5	16.7	6 10	16 37.26	-21 28.0	1.505	2.514	3.4	18.8
6 20	16 28.64	-20 34.8	0.975	1.960	10.3	17.0	6 20	16 28.42	-21 5.3	1.545	2.523	8.0	19.1
6 30	16 22.36	-20 59.0	1.009	1.952	15.6	17.2	6 30	16 21.57	-20 46.4	1.608	2.533	12.0	19.4
7 10	16 19.47	-21 28.2	1.061	1.945	20.1	17.5	7 10	16 17.32	-20 33.8	1.693	2.542	15.5	19.6
499748	2011 <i>BU</i> ₉₁		6 2.9 232°94	0°3/ 2.8 17			37124	2000 <i>VH</i> ₁₁		6 2.9 127°85	0°2/ 2.9 18		
5 1	17 11.62	-22 37.1	2.011	2.873	12.5	22.3	5 1	17 7.59	-23 35.5	2.530	3.388	10.4	19.9
5 11	17 5.37	-22 21.5	1.922	2.860	9.2	22.0	5 11	17 1.93	-23 29.4	2.461	3.396	7.6	19.8
5 21	16 56.96	-22 1.5	1.857	2.846	5.4	21.8	5 21	16 54.74	-23 19.8	2.417	3.405	4.4	19.6
5 31	16 47.12	-21 37.4	1.819	2.832	1.2	21.4	5 31	16 46.64	-23 6.9	2.400	3.413	1.0	19.3
6 10	16 36.87	-21 10.7	1.809	2.817	3.1	21.5	6 10	16 38.40	-22 51.6	2.412	3.421	2.4	19.4
6 20	16 27.26	-20 43.7	1.826	2.801	7.3	21.8	6 20	16 30.75	-22 35.5	2.453	3.428	5.6	19.7
6 30	16 19.22	-20 19.6	1.869	2.785	11.1	22.0	6 30	16 24.36	-22 20.3	2.520	3.436	8.6	19.9
7 10	16 13.46	-20 0.9	1.935	2.768	14.5	22.2	7 10	16 19.71	-22 8.0	2.611	3.443	11.2	20.1
257860	2000 <i>QE</i> ₂₃₀		6 2.9 259°75	4°4/ 1.9 17			258815	2002 <i>NP</i> ₃₄		6 2.9 292°42	2°9/ 1.9 17		
5 1	17 11.21	-12 36.1	1.538	2.411	15.0	20.3	5 1	17 9.07	-18 23.9	1.457	2.340	15.1	20.1
5 11	17 5.52	-12 14.9	1.458	2.398	11.4	20.0	5 11	17 4.14	-17 37.2	1.374	2.321	11.2	19.8
5 21	16 57.25	-11 58.8	1.400	2.384	7.4	19.8	5 21	16 56.54	-16 47.2	1.312	2.303	6.8	19.5
5 31	16 47.22	-11 50.6	1.366	2.370	4.5	19.5	5 31	16 47.12	-15 56.9	1.275	2.284	3.1	19.2
6 10	16 36.63	-11 52.6	1.358	2.356	6.1	19.6	6 10	16 37.13	-15 10.4	1.262	2.266	5.2	19.3
6 20	16 26.75	-12 5.9	1.375	2.341	10.1	19.8	6 20	16 27.90	-14 32.1	1.275	2.248	9.9	19.5
6 30	16 18.75	-12 31.1	1.416	2.327	14.3	20.0	6 30	16 20.63	-14 5.8	1.309	2.230	14.5	19.7
7 10	16 13.44	-13 7.4	1.475	2.312	18.0	20.2	7 10	16 16.17	-13 53.5	1.363	2.212	18.5	19.9
48078	2001 <i>FQ</i> ₂₅		6 2.9 8°36	1°7/ 2.4 17			300151	2006 <i>VR</i> ₈₄					

EPHEMERIDES

6 2.9

6 2.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
48603	1995 BC ₂	6 2.9 229°17	3°1/ 3.7 17				30856	1991 XE	6 2.9 273°45	4°4/ 3.7 18	A		
5 1	17 21.64	-30 26.4	1.812	2.653	14.5	21.9	5 1	17 26.29	-6 6.1	1.011	1.877	21.6	16.5
5 11	17 13.32	-30 38.3	1.713	2.635	11.1	21.7	5 11	17 18.42	-7 55.3	0.930	1.863	16.8	16.2
5 21	17 1.94	-30 39.7	1.637	2.615	7.2	21.4	5 21	17 5.88	-10 20.2	0.867	1.850	11.0	15.8
5 31	16 48.39	-30 27.1	1.587	2.593	3.6	21.1	5 31	16 49.50	-13 18.1	0.829	1.836	5.2	15.4
6 10	16 34.04	-29 59.5	1.566	2.569	4.4	21.1	6 10	16 31.19	-16 37.6	0.817	1.823	6.5	15.5
6 20	16 20.42	-29 19.3	1.573	2.544	8.6	21.3	6 20	16 13.44	-20 1.7	0.832	1.809	13.1	15.8
6 30	16 8.93	-28 32.1	1.606	2.517	12.9	21.5	6 30	15 58.73	-23 16.2	0.871	1.795	19.5	16.1
7 10	16 0.53	-27 44.4	1.661	2.488	16.7	21.7	7 10	15 48.71	-26 13.9	0.929	1.781	24.9	16.3
31995	2000 HX ₄₀	6 2.9 268°68	3°4/ 3.4 18	R			28914	2000 OC ₁₂	6 2.9 146°84	3°0/ 4.2 18			
5 1	17 15.27	-28 16.7	1.524	2.388	15.6	19.0	5 1	17 9.94	-32 36.2	2.305	3.148	11.8	18.7
5 11	17 9.11	-28 58.4	1.432	2.367	11.9	18.7	5 11	17 3.91	-32 32.4	2.231	3.152	9.0	18.5
5 21	16 59.72	-29 34.2	1.362	2.345	7.7	18.4	5 21	16 56.00	-32 18.3	2.181	3.156	5.9	18.4
5 31	16 47.92	-29 59.9	1.316	2.323	3.8	18.1	5 31	16 46.97	-31 53.1	2.157	3.159	3.4	18.2
6 10	16 35.12	-30 12.9	1.296	2.300	4.9	18.1	6 10	16 37.76	-31 17.6	2.161	3.163	3.7	18.2
6 20	16 22.95	-30 13.2	1.301	2.277	9.4	18.3	6 20	16 29.30	-30 34.5	2.193	3.166	6.4	18.4
6 30	16 12.98	-30 4.6	1.330	2.254	14.1	18.5	6 30	16 22.39	-29 47.4	2.251	3.169	9.4	18.6
7 10	16 6.29	-29 52.4	1.379	2.230	18.2	18.7	7 10	16 17.58	-29 0.7	2.332	3.171	12.1	18.8
417557	2006 UT ₉₆	6 2.9 177°03	0°6/ 3.1 15				345964	2007 TX ₄₂	6 2.9 316°62	1°0/ 3.2 17			
5 1	17 12.84	-23 47.6	1.946	2.806	12.9	22.6	5 1	17 8.93	-25 20.5	1.842	2.710	13.1	20.6
5 11	17 6.25	-23 54.9	1.872	2.808	9.5	22.4	5 11	17 3.56	-25 21.4	1.767	2.706	9.7	20.3
5 21	16 57.47	-23 58.2	1.822	2.810	5.6	22.2	5 21	16 55.99	-25 16.7	1.714	2.702	5.8	20.1
5 31	16 47.30	-23 56.6	1.798	2.811	1.4	21.9	5 31	16 47.00	-25 5.9	1.687	2.698	1.7	19.8
6 10	16 36.82	-23 50.7	1.803	2.811	3.0	22.0	6 10	16 37.67	-24 49.8	1.686	2.695	3.1	19.9
6 20	16 27.10	-23 41.9	1.835	2.811	7.1	22.3	6 20	16 29.08	-24 30.4	1.712	2.691	7.3	20.1
6 30	16 19.10	-23 32.8	1.893	2.810	10.9	22.5	6 30	16 22.21	-24 10.8	1.763	2.688	11.1	20.4
7 10	16 13.47	-23 25.9	1.972	2.809	14.1	22.7	7 10	16 17.71	-23 54.1	1.835	2.685	14.5	20.6
393324	2014 BZ ₆	6 2.9 203°47	1°8/ 2.4 18				170985	2005 CX ₅₆	6 2.9 57°77	0°3/ 3.0 17			
5 1	17 8.65	-17 33.3	2.169	3.033	11.6	21.4	5 1	17 12.49	-24 3.0	1.251	2.134	17.0	20.3
5 11	17 2.95	-17 21.8	2.092	3.031	8.5	21.2	5 11	17 6.56	-23 52.2	1.205	2.153	12.4	20.1
5 21	16 55.46	-17 10.5	2.040	3.028	5.1	21.0	5 21	16 57.79	-23 35.1	1.179	2.171	7.2	19.9
5 31	16 46.84	-17 0.6	2.015	3.025	2.0	20.8	5 31	16 47.38	-23 11.9	1.177	2.190	1.7	19.6
6 10	16 37.95	-16 53.3	2.017	3.022	3.5	20.9	6 10	16 36.91	-22 45.0	1.200	2.209	3.9	19.8
6 20	16 29.66	-16 49.7	2.047	3.018	7.0	21.1	6 20	16 27.82	-22 18.1	1.247	2.229	9.0	20.1
6 30	16 22.76	-16 51.3	2.103	3.014	10.3	21.3	6 30	16 21.24	-21 55.2	1.316	2.248	13.5	20.4
7 10	16 17.81	-16 58.9	2.181	3.010	13.2	21.5	7 10	16 17.77	-21 39.4	1.405	2.268	17.3	20.7
43153	1999 XC ₁₁₈	6 2.9 296°05	1°1/ 3.3 18				128691	2004 RL ₈₉	6 2.9 160°59	3°4/ 4.4 17	R		
5 1	17 9.27	-26 22.2	1.816	2.683	13.4	18.7	5 1	17 13.45	-34 12.3	2.214	3.049	12.4	20.5
5 11	17 3.82	-26 12.1	1.740	2.678	9.9	18.5	5 11	17 6.51	-34 3.1	2.140	3.055	9.6	20.3
5 21	16 56.13	-25 54.7	1.686	2.674	5.9	18.2	5 21	16 57.51	-33 41.5	2.089	3.061	6.5	20.1
5 31	16 47.00	-25 29.8	1.658	2.669	1.9	18.0	5 31	16 47.32	-33 6.5	2.066	3.065	3.8	20.0
6 10	16 37.56	-24 58.8	1.656	2.665	3.2	18.0	6 10	16 36.97	-32 19.1	2.070	3.070	4.0	20.0
6 20	16 28.89	-24 24.5	1.681	2.660	7.4	18.3	6 20	16 27.51	-31 22.7	2.103	3.074	6.8	20.2
6 30	16 22.00	-23 50.7	1.731	2.656	11.3	18.5	6 30	16 19.80	-30 21.9	2.162	3.077	9.9	20.4
7 10	16 17.53	-23 21.1	1.802	2.652	14.7	18.7	7 10	16 14.39	-29 22.0	2.244	3.079	12.7	20.5
474222	2001 BO ₅₆	6 2.9 170°68	4°4/ 5.2 18				79014	9520 P-L	6 2.9 127°65	0°6/ 3.1 18			
5 1	17 10.68	-39 41.4	2.976	3.784	10.3	22.0	5 1	17 13.01	-23 52.0	1.752	2.617	13.9	19.4
5 11	17 4.19	-39 49.0	2.897	3.787	8.3	21.9	5 11	17 6.48	-23 58.3	1.688	2.627	10.2	19.2
5 21	16 56.06	-39 44.9	2.842	3.790	6.2	21.7	5 21	16 57.63	-24 0.2	1.648	2.636	6.0	19.0
5 31	16 46.96	-39 27.3	2.814	3.792	4.7	21.6	5 31	16 47.37	-23 56.8	1.633	2.646	1.5	18.7
6 10	16 37.70	-38 56.6	2.814	3.794	4.7	21.6	6 10	16 36.88	-23 48.9	1.646	2.655	3.2	18.8
6 20	16 29.09	-38 14.6	2.842	3.795	6.1	21.7	6 20	16 27.31	-23 38.4	1.686	2.663	7.5	19.1
6 30	16 21.85	-37 24.5	2.897	3.796	8.2	21.9	6 30	16 19.66	-23 27.9	1.750	2.671	11.4	19.4
7 10	16 16.46	-36 30.6	2.976	3.797	10.2	22.0	7 10	16 14.56	-23 20.3	1.836	2.679	14.7	19.6
85951	1999 FX ₉	6 2.9 58°19	7°9/ 4.6 18				21873	Jindřichůvhradec	6 2.9 265°98	0°5/ 2.7 18	R		
5 1	17 15.70	-39 25.8	1.603	2.439	16.3	18.3	5 1	17 6.85	-21 54.0	2.521	3.381	10.3	18.4
5 11	17 9.23	-40 32.6	1.543	2.447	13.3	18.2	5 11	17 1.57	-21 35.3	2.426	3.364	7.6	18.2
5 21	16 59.58	-41 22.8	1.503	2.455	10.3	18.0	5 21	16 54.66	-21 13.4	2.357	3.346	4.4	18.0
5 31	16 47.83	-41 50.2	1.486	2.463	8.2	17.9	5 31	16 46.70	-20 48.9	2.315	3.328	1.1	17.7
6 10	16 35.59	-41 52.3	1.494	2.471	8.3	17.9	6 10	16 38.43	-20 23.2	2.302	3.309	2.6	17.8
6 20	16 24.53	-41 31.1	1.526	2.479	10.4	18.1	6 20	16 30.61	-19 58.2	2.317	3.291	6.0	18.0
6 30	16 16.04	-40 52.7	1.581	2.488	13.3	18.2	6 30	16 23.96	-19 36.0	2.358	3.272	9.2	18.2
7 10	16 10.95	-40 5.1	1.656	2.496	16.2	18.5	7 10	16 19.04	-19 18.6	2.423	3.253	12.0	18.3
81094	2000 ER ₁₀₄	6 2.9 327°62	5°1/ 4.3 17				122598	2000 RN ₃₇	6 2.9 256°89	6°4/ 4.5 18			
5 1	17 9.95	-33 29.6	1.372	2.241	16.7	18.6	5 1	17 15.65	-39 38.5	2.172	2.989	13.3	20.2
5 11	17 5.24	-33 48.3	1.296	2.230	13.0	18.4	5 11	17 8.80	-40 19.8	2.073	2.967	10.9	20.0
5 21	16 57.38	-33 52.4	1.240	2.218	9.0	18.1	5 21	16 59.26	-40 47.9	1.997	2.945	8.4	19.8
5 31	16 47.35	-33 38.2	1.207	2.208	5.6	17.9	5 31	16 47.81	-40 58.1	1.947	2.923	6.6	19.7
6 10	16 36.72	-33 5.2	1.197	2.198	5.9	17.9	6 10	16 35.66	-40 48.2	1.922	2.899	6.7	19.6
6 20	16 27.12	-32 16.8	1.211	2.189	9.7	18.1	6 20	16 24.13	-40 19.1	1.925	2.876	8.8	19.7
6 30	16 19.98	-31 19.9	1.247	2.180	14.0	18.3	6 30	16 14.45	-39 34.9	1.952	2.851	11.6	19.8
7 10	16 16.19	-30 22.2	1.302	2.172	18.0	18.5	7 10	16 7.51	-38 42.2	2.002	2.826	14.4	20.0
42044	2000 YF ₁₀₂	6 2.9 130°63	6°7/ 1.0 18				507114	2009 SY ₄₇	6 2.9 283°40	3°1/ 1.8 17			
5 1	17 8.41	-4 1.7	2.036	2.884</									

EPHEMERIDES

6 2.9

6 2.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
184560	2005 QZ ₅₉		6 2.9 213°13	3°9/ 1.4 16			9443	1997 HR ₉		6 2.9 269°29	0°3/ 3.0 18		
5 1	17 5.81	-11 31.1	2.322	3.184	11.0	20.6	5 1	17 11.33	-23 16.9	1.665	2.536	14.2	18.9
5 11	17 0.74	-10 53.2	2.251	3.183	8.3	20.5	5 11	17 5.67	-23 17.9	1.579	2.521	10.5	18.7
5 21	16 54.12	-10 19.0	2.203	3.181	5.6	20.3	5 21	16 57.43	-23 14.7	1.515	2.505	6.2	18.4
5 31	16 46.57	-9 51.0	2.183	3.180	4.0	20.2	5 31	16 47.42	-23 6.7	1.476	2.489	1.5	18.0
6 10	16 38.82	-9 31.3	2.190	3.178	5.0	20.2	6 10	16 36.81	-22 54.8	1.464	2.472	3.5	18.1
6 20	16 31.63	-9 21.3	2.224	3.177	7.6	20.4	6 20	16 26.90	-22 40.7	1.477	2.456	8.2	18.4
6 30	16 25.65	-9 21.9	2.282	3.175	10.4	20.6	6 30	16 18.85	-22 27.6	1.515	2.439	12.6	18.6
7 10	16 21.37	-9 32.8	2.363	3.173	12.9	20.7	7 10	16 13.48	-22 18.5	1.573	2.422	16.5	18.8
96316	1997 AA ₂₁		6 2.9 278°88	0°4/ 2.8 18			510375	2011 UL ₂₃		6 2.9 229°71	5°5/ 4.7 18		
5 1	17 9.12	-22 17.7	1.811	2.682	13.2	20.1	5 1	17 12.40	-39 33.3	2.560	3.373	11.6	22.2
5 11	17 3.77	-22 3.3	1.728	2.670	9.7	19.9	5 11	17 5.93	-40 10.4	2.473	3.365	9.4	22.0
5 21	16 56.16	-21 44.9	1.667	2.657	5.7	19.6	5 21	16 57.35	-40 35.7	2.409	3.356	7.3	21.9
5 31	16 47.08	-21 22.9	1.632	2.645	1.3	19.3	5 31	16 47.37	-40 46.0	2.372	3.346	5.7	21.8
6 10	16 37.57	-20 59.1	1.624	2.632	3.3	19.4	6 10	16 36.97	-40 40.0	2.361	3.337	5.8	21.7
6 20	16 28.74	-20 35.7	1.642	2.620	7.7	19.6	6 20	16 27.17	-40 18.9	2.378	3.327	7.4	21.8
6 30	16 21.59	-20 15.8	1.685	2.607	11.7	19.8	6 30	16 18.91	-39 45.8	2.420	3.317	9.7	22.0
7 10	16 16.82	-20 1.9	1.749	2.595	15.2	20.0	7 10	16 12.87	-39 5.7	2.486	3.306	12.0	22.1
19711	Johaligawesa		6 2.9 25°41	12°2/ 10.8 18			381829	2009 VQ ₁₀₃		6 2.9 217°46	1°1/ 3.3 18		
5 1	17 17.41	-52 17.8	1.012	1.835	24.6	16.2	5 1	17 11.31	-25 55.5	2.184	3.040	11.9	22.1
5 11	17 11.46	-51 39.2	0.965	1.849	21.1	16.0	5 11	17 5.07	-25 58.1	2.099	3.032	8.8	21.9
5 21	17 0.88	-50 14.2	0.932	1.865	17.2	15.8	5 21	16 56.81	-25 55.0	2.038	3.024	5.3	21.7
5 31	16 48.04	-47 57.5	0.918	1.882	13.8	15.7	5 31	16 47.24	-25 45.8	2.004	3.015	1.7	21.4
6 10	16 35.83	-44 55.2	0.925	1.900	12.2	15.7	6 10	16 37.31	-25 30.8	1.998	3.006	2.9	21.5
6 20	16 26.48	-41 24.0	0.953	1.920	13.3	15.8	6 20	16 28.00	-25 11.7	2.021	2.996	6.6	21.7
6 30	16 21.22	-37 45.8	1.005	1.941	16.3	16.0	6 30	16 20.20	-24 51.3	2.069	2.986	10.1	21.9
7 10	16 20.22	-34 20.1	1.076	1.964	19.7	16.3	7 10	16 14.55	-24 32.6	2.140	2.975	13.2	22.1
383276	2006 DW ₁₃₆		6 2.9 254°16	2°6/ 3.6 17			108049	2001 FE ₁₅₇		6 2.9 109°19	2°7/ 3.5 17		
5 1	17 11.36	-28 49.2	1.948	2.805	13.0	21.3	5 1	17 12.12	-28 28.6	1.947	2.803	13.1	19.6
5 11	17 5.43	-29 8.8	1.863	2.795	9.8	21.0	5 11	17 5.85	-29 3.1	1.879	2.810	9.8	19.5
5 21	16 57.16	-29 21.1	1.801	2.784	6.2	20.8	5 21	16 57.32	-29 30.9	1.834	2.816	6.2	19.2
5 31	16 47.32	-29 24.2	1.766	2.773	3.0	20.6	5 31	16 47.36	-29 49.8	1.816	2.822	3.1	19.1
6 10	16 37.01	-29 17.6	1.757	2.762	3.8	20.6	6 10	16 37.07	-29 58.8	1.825	2.828	3.8	19.1
6 20	16 27.35	-29 2.7	1.775	2.750	7.4	20.8	6 20	16 27.57	-29 59.1	1.861	2.835	7.2	19.3
6 30	16 19.42	-28 42.8	1.818	2.739	11.1	21.0	6 30	16 19.84	-29 53.3	1.922	2.841	10.7	19.6
7 10	16 13.94	-28 21.9	1.883	2.727	14.4	21.2	7 10	16 14.55	-29 45.0	2.005	2.846	13.7	19.8
75752	2000 AU ₁₅₉		6 2.9 193°28	0°1/ 2.9 17			422045	2014 QZ ₃₅₇		6 2.9 175°67	3°7/ 1.8 16		
5 1	17 12.60	-22 9.2	2.012	2.872	12.5	20.3	5 1	17 12.09	-14 34.5	1.746	2.613	13.8	22.1
5 11	17 6.05	-22 8.5	1.934	2.871	9.2	20.0	5 11	17 5.75	-13 57.4	1.677	2.615	10.3	21.9
5 21	16 57.38	-22 4.8	1.880	2.868	5.4	19.8	5 21	16 57.22	-13 22.3	1.632	2.617	6.5	21.6
5 31	16 47.35	-21 57.9	1.852	2.865	1.2	19.5	5 31	16 47.33	-12 51.9	1.613	2.618	3.8	21.5
6 10	16 36.99	-21 48.5	1.853	2.861	3.0	19.6	6 10	16 37.18	-12 28.9	1.621	2.619	5.2	21.6
6 20	16 27.33	-21 38.3	1.882	2.857	7.1	19.9	6 20	16 27.86	-12 15.6	1.655	2.619	8.9	21.8
6 30	16 19.30	-21 29.5	1.936	2.852	10.8	20.1	6 30	16 20.31	-12 13.2	1.714	2.618	12.6	22.0
7 10	16 13.54	-21 24.3	2.013	2.846	14.0	20.3	7 10	16 15.16	-12 22.1	1.793	2.617	15.8	22.2
509662	2008 GG ₁₄₄		6 2.9 260°80	4°4/ 4.1 18			380269	2001 YE ₁₁₃		6 2.9 289°62	0°4/ 3.0 17		
5 1	17 10.48	-34 57.9	2.370	3.205	11.7	21.4	5 1	17 10.22	-23 19.6	1.633	2.507	14.3	20.9
5 11	17 4.53	-35 36.8	2.289	3.201	9.2	21.2	5 11	17 4.94	-23 24.1	1.546	2.489	10.6	20.6
5 21	16 56.53	-36 6.2	2.232	3.197	6.6	21.1	5 21	16 57.05	-23 24.8	1.480	2.471	6.3	20.3
5 31	16 47.17	-36 23.4	2.202	3.192	4.7	20.9	5 31	16 47.35	-23 20.8	1.440	2.453	1.6	19.9
6 10	16 37.42	-36 27.1	2.198	3.188	4.9	20.9	6 10	16 37.02	-23 12.8	1.425	2.434	3.5	20.0
6 20	16 28.27	-36 18.4	2.222	3.184	7.1	21.1	6 20	16 27.35	-23 2.5	1.437	2.416	8.3	20.3
6 30	16 20.64	-35 59.9	2.271	3.179	9.8	21.2	6 30	16 19.54	-22 52.6	1.472	2.398	12.8	20.5
7 10	16 15.18	-35 36.0	2.343	3.175	12.3	21.4	7 10	16 14.43	-22 46.5	1.527	2.380	16.7	20.7
317225	2002 CD ₁₅₃		6 2.9 8°05	26°3/ 26.0 18			433502	2013 WX ₄₅		6 2.9 166°85	2°1/ 2.1 18		
5 1	17 6.46	+19 53.3	0.848	1.674	28.0	19.9	5 1	17 9.69	-17 29.8	2.225	3.086	11.5	21.7
5 11	17 2.94	+22 34.6	0.825	1.674	26.9	19.8	5 11	17 3.61	-16 56.1	2.154	3.091	8.4	21.5
5 21	16 56.04	+24 24.5	0.813	1.674	26.4	19.8	5 21	16 55.81	-16 21.7	2.108	3.095	5.1	21.3
5 31	16 47.07	+25 9.0	0.813	1.676	26.4	19.8	5 31	16 47.00	-15 48.6	2.089	3.098	2.3	21.1
6 10	16 37.81	+24 42.6	0.824	1.679	26.9	19.8	6 10	16 38.01	-15 18.8	2.099	3.101	3.7	21.2
6 20	16 29.96	+23 9.0	0.845	1.682	28.0	19.9	6 20	16 29.69	-14 54.5	2.137	3.103	7.0	21.4
6 30	16 24.88	+20 38.6	0.878	1.687	29.3	20.0	6 30	16 22.77	-14 37.5	2.201	3.105	10.2	21.6
7 10	16 23.31	+17 27.0	0.920	1.692	30.7	20.2	7 10	16 17.77	-14 28.8	2.287	3.106	13.0	21.8
309107	2006 WR ₈₅		6 2.9 12°20	2°4/ 3.0 18			394643	2007 YM ₅₅		6 2.9 179°41	1°4/ 2.5 18		
5 1	17 13.94	-11 32.1	1.851	2.709	13.6	19.8	5 1	17 7.87	-17 53.2	2.518	3.377	10.4	22.1
5 11	17 7.15	-12 38.5	1.778	2.711	10.1	19.6	5 11	17 2.20	-17 48.4	2.442	3.378	7.6	21.9
5 21	16 58.10	-13 55.0	1.730	2.714	6.3	19.3	5 21	16 54.98	-17 44.0	2.391	3.379	4.5	21.7
5 31	16 47.54	-15 19.6	1.708	2.717	2.8	19.1	5 31	16 46.81	-17 40.4	2.368	3.379	1.6	21.5
6 10	16 36.53	-16 49.3	1.716	2.721	4.0	19.2	6 10	16 38.43	-17 38.5	2.374	3.379	2.9	21.6
6 20	16 26.18	-18 20.5	1.753	2.725	7.8	19.5	6 20	16 30.58	-17 39.3	2.408	3.379	6.1	21.8
6 30	16 17.48	-19 50.6	1.817	2.730	11.5	19.7	6 30	16 23.92	-17 43.6	2.469	3.378	9.0	22.0
7 10	16 11.16	-21 18.1	1.903	2.735	14.7	19.9	7 10	16 18.95	-17 52.4	2.553	3.377	11.6	22.2
276154	2002 JW ₁₄₄		6 2.9 323°97	9°2/ 1.1 17			175064	2004 GP ₁₃		6 2.9 103°93	1°5/ 2.3 18		
5 1	17 6.81	-1 11.											

EPHEMERIDES

6 2.9

6 2.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
500731	2012 <i>XM</i> ₈₅		6 2.9 150°61	4.8/31.9	18		520214	2014 <i>DV</i> ₁₅₁		6 2.9 49°13	4.4/4.3	16	
5 1	17 6.51	-7 12.4	2.595	3.443	10.4	22.1	5 1	17 10.52	-34 21.1	2.057	2.900	13.0	21.2
5 11	17 1.05	-6 31.6	2.531	3.450	8.1	22.0	5 11	17 4.69	-34 50.4	1.988	2.906	10.1	21.1
5 21	16 54.23	-5 56.8	2.492	3.457	6.0	21.8	5 21	16 56.66	-35 8.8	1.943	2.912	7.1	20.9
5 31	16 46.63	-5 30.7	2.480	3.464	4.8	21.8	5 31	16 47.25	-35 13.6	1.923	2.918	4.7	20.8
6 10	16 38.91	-5 15.2	2.497	3.470	5.6	21.8	6 10	16 37.55	-35 4.4	1.929	2.924	4.9	20.8
6 20	16 31.71	-5 11.3	2.540	3.476	7.7	22.0	6 20	16 28.66	-34 43.1	1.962	2.930	7.4	20.9
6 30	16 25.63	-5 19.0	2.609	3.481	9.9	22.1	6 30	16 21.52	-34 13.3	2.020	2.936	10.4	21.1
7 10	16 21.09	-5 37.4	2.699	3.486	12.1	22.3	7 10	16 16.78	-33 39.8	2.100	2.942	13.2	21.3
62667	2000 <i>TC</i>		6 2.9 216°64	3.5/1.4	18		43843	Cleynaerts		6 2.9 4°03	3.5/4.2	17	
5 1	17 8.93	-14 17.4	2.184	3.046	11.6	18.9	5 1	17 5.55	-31 37.8	1.228	2.113	17.2	17.6
5 11	17 3.14	-13 26.4	2.104	3.039	8.7	18.7	5 11	17 1.96	-31 21.9	1.167	2.112	13.1	17.3
5 21	16 55.61	-12 36.1	2.049	3.031	5.6	18.5	5 21	16 55.39	-30 49.8	1.126	2.112	8.4	17.1
5 31	16 46.97	-11 49.3	2.021	3.023	3.6	18.4	5 31	16 46.97	-30 0.9	1.107	2.114	4.2	16.8
6 10	16 38.08	-11 9.3	2.021	3.014	4.9	18.4	6 10	16 38.26	-28 58.2	1.111	2.118	4.7	16.9
6 20	16 29.78	-10 38.3	2.048	3.005	7.9	18.6	6 20	16 30.76	-27 47.8	1.138	2.123	9.2	17.1
6 30	16 22.84	-10 18.4	2.101	2.996	11.1	18.8	6 30	16 25.71	-26 37.3	1.186	2.130	13.7	17.4
7 10	16 17.81	-10 10.1	2.176	2.986	13.8	19.0	7 10	16 23.79	-25 33.5	1.254	2.138	17.7	17.7
338635	2003 <i>SO</i> ₂₈₃		6 2.9 270°41	4.9/31.8	18		112648	2002 <i>PR</i> ₈₃		6 2.9 284°98	1.7/2.6	18	
5 1	17 7.61	-11 59.6	1.924	2.791	12.7	20.4	5 1	17 10.89	-18 53.5	1.563	2.439	14.6	19.9
5 11	17 2.43	-10 53.5	1.842	2.777	9.7	20.2	5 11	17 5.56	-18 42.7	1.470	2.415	10.9	19.6
5 21	16 55.30	-9 49.2	1.785	2.763	6.7	20.0	5 21	16 57.51	-18 31.1	1.399	2.390	6.5	19.3
5 31	16 46.91	-8 51.0	1.753	2.749	4.9	19.8	5 31	16 47.52	-18 19.6	1.353	2.365	2.2	19.0
6 10	16 38.19	-8 3.0	1.749	2.735	6.3	19.9	6 10	16 36.77	-18 9.7	1.332	2.339	4.3	19.0
6 20	16 30.08	-7 28.5	1.770	2.721	9.4	20.0	6 20	16 26.58	-18 3.5	1.337	2.313	9.2	19.3
6 30	16 23.43	-7 9.4	1.815	2.706	12.7	20.2	6 30	16 18.25	-18 3.3	1.365	2.288	13.9	19.5
7 10	16 18.85	-7 5.7	1.881	2.692	15.7	20.4	7 10	16 12.69	-18 11.1	1.413	2.262	18.0	19.7
361436	2007 <i>AT</i> ₁₇		6 2.9 194°90	6.8/30.7	18		158219	2001 <i>SZ</i> ₁₃₆		6 2.9 214°52	1.6/2.4	17	
5 1	17 5.76	+5 50.8	3.382	4.175	9.5	21.8	5 1	17 10.43	-19 11.7	1.946	2.813	12.6	20.5
5 11	17 0.28	+6 25.2	3.313	4.172	8.2	21.7	5 11	17 4.50	-18 46.6	1.868	2.807	9.3	20.3
5 21	16 53.72	+6 48.7	3.267	4.168	7.2	21.6	5 21	16 56.52	-18 19.6	1.813	2.801	5.5	20.1
5 31	16 46.52	+6 58.7	3.248	4.163	6.8	21.6	5 31	16 47.22	-17 52.3	1.784	2.795	1.9	19.8
6 10	16 39.17	+6 53.8	3.255	4.158	7.2	21.6	6 10	16 37.62	-17 26.5	1.783	2.789	3.7	19.9
6 20	16 32.19	+6 34.0	3.288	4.152	8.3	21.7	6 20	16 28.69	-17 4.6	1.810	2.782	7.6	20.2
6 30	16 26.05	+6 0.1	3.346	4.146	9.7	21.7	6 30	16 21.35	-16 49.0	1.861	2.774	11.3	20.4
7 10	16 21.10	+5 14.1	3.425	4.139	11.0	21.8	7 10	16 16.23	-16 41.3	1.934	2.766	14.5	20.6
352446	2008 <i>AF</i> ₄₃		6 2.9 57°75	4.0/4.6	18		366535	2002 <i>QL</i> ₇₃		6 2.9 289°74	3.9/2.2	17	
5 1	17 10.00	-34 43.6	2.091	2.933	12.8	20.2	5 1	17 9.99	-13 53.1	1.489	2.367	15.1	20.9
5 11	17 4.18	-34 46.2	2.021	2.939	9.9	20.0	5 11	17 4.81	-13 38.1	1.408	2.351	11.4	20.6
5 21	16 56.27	-34 36.4	1.975	2.945	6.8	19.8	5 21	16 57.01	-13 27.6	1.348	2.335	7.3	20.3
5 31	16 47.11	-34 12.9	1.954	2.951	4.3	19.7	5 31	16 47.39	-13 24.0	1.313	2.320	4.0	20.1
6 10	16 37.78	-33 36.4	1.960	2.958	4.5	19.7	6 10	16 37.17	-13 29.0	1.303	2.304	5.6	20.1
6 20	16 29.30	-32 49.8	1.993	2.964	7.1	19.9	6 20	16 27.63	-13 44.1	1.318	2.289	9.9	20.3
6 30	16 22.56	-31 57.6	2.052	2.971	10.1	20.1	6 30	16 19.98	-14 9.6	1.355	2.273	14.3	20.6
7 10	16 18.14	-31 4.8	2.133	2.977	12.9	20.3	7 10	16 15.08	-14 45.3	1.412	2.258	18.1	20.8
244057	2001 <i>TV</i> ₈₀		6 2.9 178°91	0.9/2.7	16		173849	2001 <i>TY</i> ₁₃₉		6 2.9 265°43	4.5/3.9	18	
5 1	17 13.10	-22 40.7	1.498	2.372	15.3	20.6	5 1	17 11.74	-34 10.1	2.169	3.009	12.5	20.1
5 11	17 6.88	-22 2.3	1.429	2.373	11.2	20.3	5 11	17 5.70	-34 52.2	2.083	2.998	9.8	19.9
5 21	16 58.03	-21 17.5	1.383	2.374	6.5	20.1	5 21	16 57.36	-35 25.0	2.021	2.988	7.0	19.7
5 31	16 47.55	-20 27.9	1.361	2.374	1.6	19.8	5 31	16 47.45	-35 45.1	1.984	2.977	4.8	19.6
6 10	16 36.78	-19 37.1	1.366	2.374	3.9	19.9	6 10	16 37.03	-35 51.1	1.975	2.967	5.1	19.6
6 20	16 27.05	-18 49.4	1.397	2.373	8.8	20.2	6 20	16 27.21	-35 43.6	1.992	2.956	7.6	19.7
6 30	16 19.47	-18 9.4	1.451	2.373	13.3	20.5	6 30	16 19.04	-35 25.8	2.035	2.945	10.6	19.9
7 10	16 14.74	-17 40.3	1.525	2.371	17.0	20.7	7 10	16 13.25	-35 2.1	2.099	2.935	13.4	20.0
33017	Wronski		6 2.9 18°00	2.2/3.5	18		499302	2009 <i>WZ</i> ₂₅		6 2.9 219°92	1.3/2.5	17	
5 1	17 9.18	-27 36.7	2.194	3.050	11.8	17.7	5 1	17 10.87	-18 50.4	2.236	3.095	11.5	22.8
5 11	17 3.53	-28 6.4	2.119	3.051	8.8	17.6	5 11	17 4.67	-18 40.1	2.149	3.085	8.5	22.6
5 21	16 55.93	-28 30.9	2.069	3.052	5.5	17.3	5 21	16 56.58	-18 29.1	2.087	3.074	5.0	22.4
5 31	16 47.06	-28 48.4	2.045	3.053	2.5	17.2	5 31	16 47.26	-18 17.9	2.052	3.063	1.7	22.1
6 10	16 37.88	-28 58.2	2.049	3.054	3.3	17.2	6 10	16 37.59	-18 7.6	2.046	3.051	3.2	22.2
6 20	16 29.32	-29 1.3	2.081	3.056	6.5	17.4	6 20	16 28.47	-17 59.8	2.068	3.039	6.9	22.4
6 30	16 22.25	-28 59.6	2.138	3.057	9.7	17.6	6 30	16 20.72	-17 56.1	2.116	3.026	10.3	22.6
7 10	16 17.28	-28 55.8	2.218	3.059	12.6	17.8	7 10	16 14.95	-17 57.7	2.187	3.012	13.3	22.8
250351	2003 <i>SA</i> ₂₁₂		6 2.9 273°71	2.3/2.5	18		101782	1999 <i>GF</i> ₁₀		6 2.9 131°83	4.2/3.9	17	
5 1	17 11.80	-17 2.2	1.542	2.417	14.9	20.7	5 1	17 17.19	-31 58.7	1.625	2.476	15.4	20.9
5 11	17 6.19	-16 57.2	1.454	2.397	11.1	20.4	5 11	17 9.95	-32 30.9	1.563	2.488	11.8	20.7
5 21	16 57.85	-16 54.0	1.387	2.377	6.7	20.1	5 21	16 59.87	-32 51.5	1.522	2.499	7.9	20.5
5 31	16 47.57	-16 53.5	1.346	2.356	2.7	19.8	5 31	16 48.02	-32 57.0	1.507	2.509	4.7	20.3
6 10	16 36.58	-16 56.9	1.330	2.336	4.6	19.9	6 10	16 35.87	-32 46.8	1.519	2.519	5.1	20.3
6 20	16 26.20	-17 5.6	1.340	2.315	9.4	20.1	6 20	16 24.86	-32 23.3	1.556	2.528	8.6	20.6
6 30	16 17.71	-17 20.9	1.373	2.294	14.0	20.3	6 30	16 16.20	-31 51.6	1.618	2.537	12.3	20.8
7 10	16 12.02	-17 43.9	1.426	2.272	18.0	20.5	7 10	16 10.60	-31 17.9	1.700	2.545	15.6	21.0
206718	2004 <i>BY</i> ₅₁		6 2.9 12°69	3.5/1.9	18		438769	2008 <i>UC</i> ₃₁₃		6 2.9 155°99	0.1/3.0	17	
5 1	17 7.33	-1											

EPHEMERIDES

6 2.9

6 2.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
393167	2013 <i>CW</i> ₃₇		6 2.9 120°08	7°3/31.2	18		338576	2003 <i>SK</i> ₁₀₈		6 2.9 319°74	10°2/ 4.1	18	
5 1	17 5.36	+ 0 40.6	2.477	3.307	11.5	20.6	5 1	17 13.48	-42 31.0	1.554	2.385	17.0	19.4
5 11	17 0.29	+ 1 26.5	2.419	3.313	9.5	20.4	5 11	17 8.43	-43 58.9	1.469	2.364	14.5	19.2
5 21	16 53.86	+ 2 0.9	2.384	3.318	7.9	20.4	5 21	16 59.72	-45 11.2	1.404	2.343	12.0	19.0
5 31	16 46.61	+ 2 20.5	2.374	3.324	7.3	20.3	5 31	16 48.22	-45 59.2	1.361	2.323	10.3	18.9
6 10	16 39.23	+ 2 23.4	2.390	3.329	7.9	20.4	6 10	16 35.53	-46 17.2	1.341	2.304	10.5	18.8
6 20	16 32.39	+ 2 9.3	2.432	3.334	9.4	20.5	6 20	16 23.62	-46 4.5	1.343	2.285	12.5	18.9
6 30	16 26.66	+ 1 39.3	2.497	3.339	11.3	20.6	6 30	16 14.33	-45 26.5	1.367	2.267	15.4	19.0
7 10	16 22.50	+ 0 55.6	2.583	3.344	13.2	20.7	7 10	16 8.89	-44 32.2	1.408	2.250	18.5	19.2
329955	2005 <i>QK</i> ₇₂		6 2.9 322°59	2°7/ 2.1	17		388404	2006 <i>WG</i> ₄₁		6 2.9 18°26	3°2/ 2.5	17	
5 1	17 7.59	-18 38.1	1.382	2.269	15.5	20.2	5 1	17 7.09	-13 34.4	1.660	2.537	13.9	19.5
5 11	17 3.15	-17 55.3	1.307	2.257	11.5	20.0	5 11	17 2.25	-13 40.3	1.601	2.543	10.3	19.3
5 21	16 56.06	-17 9.8	1.254	2.245	6.9	19.7	5 21	16 55.30	-13 51.9	1.564	2.551	6.4	19.1
5 31	16 47.21	-16 24.6	1.224	2.234	3.0	19.4	5 31	16 47.04	-14 10.0	1.552	2.559	3.4	18.9
6 10	16 37.88	-15 43.8	1.218	2.223	5.0	19.5	6 10	16 38.55	-14 35.0	1.566	2.568	4.6	19.0
6 20	16 29.40	-15 11.3	1.237	2.213	9.8	19.7	6 20	16 30.85	-15 6.7	1.606	2.578	8.3	19.3
6 30	16 22.95	-14 50.6	1.278	2.204	14.4	20.0	6 30	16 24.85	-15 44.6	1.669	2.589	12.0	19.5
7 10	16 19.33	-14 43.2	1.337	2.195	18.3	20.2	7 10	16 21.15	-16 27.8	1.753	2.600	15.1	19.7
176106	2001 <i>CG</i> ₁₄		6 2.9 111°62	0°2/ 2.9	18		31998	2000 <i>HN</i> ₄₄		6 2.9 35°53	5°6/ 1.6	18	
5 1	17 13.16	-21 37.7	1.567	2.439	14.8	20.3	5 1	17 9.66	-13 24.3	1.139	2.031	17.7	18.4
5 11	17 6.84	-21 42.1	1.506	2.448	10.9	20.1	5 11	17 4.76	-12 29.9	1.088	2.038	13.3	18.2
5 21	16 58.01	-21 44.0	1.467	2.457	6.3	19.9	5 21	16 56.98	-11 40.4	1.057	2.044	8.7	18.0
5 31	16 47.64	-21 43.1	1.454	2.467	1.5	19.6	5 31	16 47.45	-11 1.0	1.048	2.052	5.6	17.8
6 10	16 37.00	-21 39.9	1.467	2.475	3.5	19.7	6 10	16 37.68	-10 36.1	1.062	2.060	7.4	17.9
6 20	16 27.37	-21 36.2	1.506	2.484	8.2	20.0	6 20	16 29.12	-10 28.4	1.099	2.068	11.6	18.2
6 30	16 19.80	-21 34.5	1.569	2.492	12.3	20.3	6 30	16 22.97	-10 38.5	1.156	2.077	16.0	18.5
7 10	16 14.97	-21 36.8	1.652	2.500	15.9	20.5	7 10	16 19.90	-11 4.4	1.230	2.086	19.7	18.7
398426	2011 <i>UT</i> ₈		6 2.9 252°14	4°3/31.5	16		394046	2005 <i>WX</i> ₁₁₉		6 2.9 298°06	1°6/ 2.2	17	
5 1	17 6.90	-12 27.9	2.347	3.208	11.0	21.0	5 1	17 6.95	-20 57.3	2.170	3.037	11.5	20.1
5 11	17 1.58	-11 9.4	2.267	3.199	8.3	20.8	5 11	17 1.82	-19 59.6	2.086	3.026	8.4	19.9
5 21	16 54.70	-9 51.6	2.213	3.190	5.7	20.6	5 21	16 54.94	-18 57.0	2.026	3.016	5.0	19.6
5 31	16 46.86	-8 38.5	2.186	3.180	4.3	20.5	5 31	16 46.96	-17 51.9	1.994	3.005	1.8	19.4
6 10	16 38.81	-7 33.9	2.188	3.171	5.5	20.6	6 10	16 38.76	-16 47.8	1.990	2.995	3.5	19.5
6 20	16 31.31	-6 41.2	2.217	3.161	8.2	20.7	6 20	16 31.17	-15 48.5	2.014	2.984	7.1	19.7
6 30	16 25.03	-6 2.4	2.272	3.152	10.9	20.9	6 30	16 24.95	-14 57.2	2.064	2.974	10.5	19.9
7 10	16 20.46	-5 38.2	2.348	3.142	13.4	21.0	7 10	16 20.65	-14 16.5	2.135	2.964	13.4	20.1
268022	2004 <i>NL</i> ₂₆		6 2.9 261°86	4°4/ 1.8	18		210802	2001 <i>FG</i> ₁₃₇		6 2.9 160°22	15°1/ 1.8	18	
5 1	17 9.21	-11 48.5	1.774	2.642	13.6	20.5	5 1	17 34.77	-44 38.1	1.226	2.040	21.6	19.6
5 11	17 3.79	-11 23.0	1.697	2.634	10.3	20.3	5 11	17 26.25	-48 0.9	1.169	2.044	18.8	19.5
5 21	16 56.22	-11 2.5	1.643	2.625	6.8	20.1	5 21	17 11.46	-51 6.3	1.132	2.047	16.3	19.3
5 31	16 47.24	-10 49.6	1.615	2.616	4.5	19.9	5 31	16 51.21	-53 33.1	1.117	2.050	15.1	19.2
6 10	16 37.88	-10 46.7	1.613	2.607	5.7	20.0	6 10	16 28.21	-55 5.8	1.126	2.052	15.7	19.3
6 20	16 29.18	-10 54.9	1.636	2.598	9.1	20.2	6 20	16 6.34	-55 41.4	1.155	2.054	17.7	19.4
6 30	16 22.08	-11 14.5	1.683	2.588	12.7	20.3	6 30	15 49.23	-55 30.9	1.203	2.055	20.3	19.6
7 10	16 17.26	-11 44.9	1.751	2.579	16.0	20.5	7 10	15 38.81	-54 52.4	1.267	2.056	22.9	19.8
437847	1999 <i>RE</i> ₁₁₄		6 2.9 296°66	1°7/ 3.6	16		456075	2006 <i>BB</i> ₃₅		6 2.9 15°12	4°7/ 2.4	17	
5 1	17 8.26	-28 17.6	2.133	2.991	12.0	20.8	5 1	17 10.17	-12 43.9	1.127	2.018	17.9	20.9
5 11	17 3.07	-28 6.3	2.034	2.967	9.0	20.6	5 11	17 5.33	-12 35.2	1.071	2.020	13.5	20.7
5 21	16 55.82	-27 46.7	1.958	2.942	5.6	20.4	5 21	16 57.45	-12 34.9	1.034	2.023	8.6	20.4
5 31	16 47.17	-27 18.3	1.908	2.918	2.2	20.1	5 31	16 47.62	-12 45.4	1.019	2.026	4.9	20.2
6 10	16 38.07	-26 42.0	1.886	2.894	3.1	20.1	6 10	16 37.37	-13 8.0	1.028	2.030	6.5	20.3
6 20	16 29.50	-26 0.4	1.892	2.869	6.8	20.3	6 20	16 28.24	-13 42.5	1.058	2.034	11.1	20.6
6 30	16 22.40	-25 17.1	1.922	2.845	10.5	20.5	6 30	16 21.56	-14 27.9	1.110	2.039	15.8	20.8
7 10	16 17.46	-24 36.1	1.976	2.821	13.7	20.6	7 10	16 18.11	-15 22.0	1.179	2.045	19.8	21.1
520080	2013 <i>XE</i> ₂₇		6 2.9 176°11	5°3/ 4.9	17		312004	2007 <i>PW</i> ₂₇		6 2.9 193°55	9°6/31.6	18	
5 1	17 13.20	-37 47.0	2.077	2.906	13.4	21.8	5 1	17 13.19	+ 5 41.7	2.147	2.950	13.9	20.6
5 11	17 6.73	-38 3.0	2.001	2.907	10.6	21.6	5 11	17 6.27	+ 6 22.9	2.079	2.948	11.9	20.5
5 21	16 57.91	-38 4.7	1.948	2.907	7.8	21.4	5 21	16 57.51	+ 6 47.4	2.033	2.945	10.3	20.3
5 31	16 47.63	-37 49.5	1.921	2.908	5.6	21.3	5 31	16 47.59	+ 6 50.7	2.012	2.940	9.6	20.3
6 10	16 37.07	-37 17.2	1.920	2.908	5.6	21.3	6 10	16 37.42	+ 6 30.7	2.017	2.935	10.2	20.3
6 20	16 27.39	-36 30.4	1.945	2.908	7.8	21.4	6 20	16 27.88	+ 5 47.8	2.046	2.929	11.8	20.4
6 30	16 19.62	-35 34.3	1.996	2.908	10.7	21.6	6 30	16 19.77	+ 4 44.3	2.099	2.922	13.9	20.5
7 10	16 14.39	-34 34.7	2.070	2.908	13.5	21.8	7 10	16 13.65	+ 3 24.5	2.173	2.914	15.9	20.7
513434	2008 <i>UW</i> ₂₆₉		6 2.9 269°98	0°6/ 3.1	18		153033	2000 <i>PC</i> ₁₆		6 2.9 356°89	1°1/ 3.3	17	
5 1	17 12.12	-23 46.3	2.135	2.992	12.0	22.6	5 1	17 5.63	-26 6.7	1.160	2.055	17.2	18.9
5 11	17 5.98	-23 55.9	2.029	2.963	9.0	22.3	5 11	17 2.17	-25 49.7	1.097	2.050	12.8	18.6
5 21	16 57.60	-24 2.3	1.947	2.934	5.4	22.0	5 21	16 55.68	-25 22.5	1.053	2.046	7.6	18.3
5 31	16 47.62	-24 4.4	1.892	2.904	1.4	21.7	5 31	16 47.21	-24 45.8	1.031	2.044	2.2	18.0
6 10	16 36.98	-24 2.0	1.865	2.873	3.0	21.7	6 10	16 38.33	-24 2.4	1.033	2.043	4.0	18.1
6 20	16 26.73	-23 56.3	1.866	2.841	7.1	21.9	6 20	16 30.57	-23 17.2	1.056	2.043	9.5	18.4
6 30	16 17.91	-23 49.4	1.893	2.809	11.0	22.1	6 30	16 25.24	-22 35.9	1.101	2.045	14.5	18.7
7 10	16 11.28	-23 44.0	1.943	2.777	14.4	22.3	7 10	16 23.11	-22 3.0	1.164	2.048	18.7	18.9
504143	2006 <i>SP</i> ₁₂₉		6 2.9 294°43	1°2/ 3.3	17		69469	Krumbenowe					

EPHEMERIDES

6 2.9

6 2.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
146212	2000 <i>UB</i> ₁₀₅		6 2.9 204 ^o .73	0 ^o .8/ 3.3	18		69120	2003 <i>ET</i> ₂₃		6 2.9 344 ^o .14	0 ^o .2/ 2.9	18	
5 1	17 8.88	-24 50.2	2.837	3.686	9.6	20.7	5 1	17 5.35	-21 30.6	1.530	2.416	14.4	18.6
5 11	17 2.98	-25 3.2	2.751	3.682	7.1	20.5	5 11	17 1.45	-21 37.9	1.453	2.402	10.6	18.3
5 21	16 55.55	-25 12.8	2.691	3.676	4.2	20.4	5 21	16 55.11	-21 43.6	1.398	2.390	6.2	18.0
5 31	16 47.14	-25 18.6	2.659	3.671	1.3	20.1	5 31	16 47.11	-21 47.4	1.366	2.379	1.5	17.7
6 10	16 38.47	-25 20.4	2.657	3.664	2.3	20.2	6 10	16 38.61	-21 50.1	1.359	2.369	3.5	17.8
6 20	16 30.24	-25 19.1	2.684	3.658	5.3	20.4	6 20	16 30.82	-21 52.8	1.377	2.360	8.3	18.0
6 30	16 23.12	-25 16.2	2.738	3.651	8.1	20.6	6 30	16 24.85	-21 57.5	1.418	2.352	12.6	18.3
7 10	16 17.62	-25 13.4	2.816	3.643	10.6	20.7	7 10	16 21.50	-22 6.0	1.478	2.345	16.4	18.5
12752	Kvarnis		6 2.9 125 ^o .55	2 ^o .1/ 2.4	18		491411	2012 <i>DL</i> ₅₂		6 2.9 98 ^o .61	3 ^o .3/ 2.1	17	
5 1	17 12.03	-18 3.0	1.729	2.598	13.8	19.4	5 1	17 12.67	-15 31.5	1.605	2.476	14.6	21.6
5 11	17 5.75	-17 41.9	1.668	2.609	10.1	19.1	5 11	17 6.20	-14 58.2	1.555	2.495	10.8	21.4
5 21	16 57.30	-17 20.6	1.630	2.619	6.0	18.9	5 21	16 57.53	-14 27.0	1.527	2.514	6.6	21.2
5 31	16 47.55	-17 0.6	1.618	2.629	2.3	18.7	5 31	16 47.61	-14 0.5	1.525	2.532	3.5	21.1
6 10	16 37.62	-16 43.9	1.633	2.638	4.0	18.8	6 10	16 37.62	-13 41.2	1.549	2.550	5.0	21.2
6 20	16 28.58	-16 32.2	1.675	2.647	8.1	19.1	6 20	16 28.67	-13 30.8	1.599	2.567	8.8	21.5
6 30	16 21.38	-16 27.6	1.741	2.656	11.8	19.3	6 30	16 21.68	-13 30.6	1.674	2.584	12.5	21.7
7 10	16 16.59	-16 30.8	1.828	2.664	15.1	19.6	7 10	16 17.18	-13 40.7	1.768	2.601	15.6	22.0
434267	2003 <i>WM</i> ₅		6 2.9 273 ^o .23	8 ^o .2/ 3.2	17		181453	2006 <i>TY</i> ₂₅		6 2.9 348 ^o .01	2 ^o .0/ 3.4	17	
5 1	17 19.49	-40 10.3	1.973	2.788	14.5	20.8	5 1	17 11.46	-26 29.1	1.418	2.295	15.9	20.7
5 11	17 12.26	-41 58.2	1.889	2.777	12.1	20.6	5 11	17 6.11	-26 46.7	1.350	2.292	11.8	20.5
5 21	17 1.75	-43 35.4	1.829	2.766	9.8	20.5	5 21	16 57.89	-26 57.5	1.302	2.291	7.2	20.2
5 31	16 48.73	-44 53.7	1.793	2.754	8.3	20.3	5 31	16 47.76	-26 59.3	1.278	2.289	2.7	19.9
6 10	16 34.55	-45 47.4	1.785	2.743	8.7	20.3	6 10	16 37.16	-26 52.3	1.280	2.288	4.0	20.0
6 20	16 20.86	-46 14.8	1.802	2.731	10.6	20.4	6 20	16 27.53	-26 38.3	1.306	2.287	8.8	20.3
6 30	16 9.26	-46 19.4	1.842	2.720	13.2	20.6	6 30	16 20.17	-26 21.6	1.354	2.286	13.3	20.5
7 10	16 0.91	-46 7.8	1.904	2.708	15.7	20.7	7 10	16 15.86	-26 6.2	1.423	2.286	17.1	20.8
509304	2006 <i>VY</i> ₁₄₈		6 2.9 209 ^o .82	0 ^o .9/ 3.2	18		519050	2010 <i>KA</i> ₅₄		6 2.9 298 ^o .22	1 ^o .1/ 3.6	17	
5 1	17 10.44	-24 0.2	2.626	3.476	10.3	21.9	5 1	17 8.43	-28 11.1	2.202	3.058	11.7	20.5
5 11	17 4.25	-24 30.0	2.540	3.471	7.6	21.7	5 11	17 2.93	-27 38.0	2.122	3.055	8.7	20.3
5 21	16 56.36	-24 57.6	2.481	3.466	4.5	21.5	5 21	16 55.61	-26 56.0	2.066	3.052	5.3	20.0
5 31	16 47.35	-25 21.7	2.449	3.461	1.4	21.2	5 31	16 47.18	-26 5.9	2.038	3.049	1.8	19.8
6 10	16 38.00	-25 41.6	2.447	3.455	2.5	21.3	6 10	16 38.56	-25 9.7	2.037	3.046	2.7	19.9
6 20	16 29.09	-25 57.6	2.474	3.448	5.7	21.5	6 20	16 30.65	-24 11.1	2.065	3.042	6.3	20.1
6 30	16 21.39	-26 10.6	2.529	3.442	8.7	21.7	6 30	16 24.23	-23 14.0	2.118	3.039	9.7	20.3
7 10	16 15.45	-26 22.5	2.607	3.435	11.3	21.9	7 10	16 19.83	-22 22.1	2.195	3.036	12.7	20.5
131870	2002 <i>AU</i> ₁₅₆		6 2.9 207 ^o .88	2 ^o .8/ 2.1	18		521078	2015 <i>DL</i> ₂₄₀		6 2.9 327 ^o .57	0 ^o .4/ 3.0	17	
5 1	17 9.95	-15 16.1	2.112	2.974	12.0	21.0	5 1	17 11.32	-21 11.5	1.680	2.551	14.0	20.8
5 11	17 4.05	-14 52.9	2.033	2.969	8.9	20.8	5 11	17 5.68	-21 52.3	1.604	2.546	10.4	20.5
5 21	16 56.28	-14 31.3	1.979	2.964	5.5	20.6	5 21	16 57.53	-22 33.7	1.550	2.540	6.1	20.3
5 31	16 47.33	-14 12.9	1.951	2.958	2.9	20.4	5 31	16 47.69	-23 13.7	1.522	2.535	1.5	19.9
6 10	16 38.09	-13 59.4	1.952	2.952	4.2	20.5	6 10	16 37.29	-23 50.7	1.521	2.530	3.3	20.1
6 20	16 29.44	-13 52.5	1.980	2.945	7.5	20.7	6 20	16 27.58	-24 24.1	1.546	2.525	7.9	20.3
6 30	16 22.21	-13 53.4	2.033	2.938	10.9	20.9	6 30	16 19.70	-24 54.7	1.596	2.521	12.1	20.6
7 10	16 16.99	-14 2.5	2.108	2.930	13.8	21.0	7 10	16 14.44	-25 24.0	1.666	2.517	15.6	20.8
10577	Jihčesmuzeum		6 2.9 357 ^o .16	2 ^o .1/ 3.3	18		372756	2010 <i>CR</i> ₁₅		6 2.9 166 ^o .14	4 ^o .9/ 1.1	17	R
5 1	17 5.70	-24 49.0	1.109	2.008	17.5	17.2	5 1	17 9.31	- 9 30.9	2.192	3.047	11.9	21.1
5 11	17 2.43	-25 24.3	1.047	2.002	13.1	16.9	5 11	17 3.38	- 8 39.9	2.126	3.052	9.1	21.0
5 21	16 55.97	-25 55.2	1.005	1.998	7.9	16.6	5 21	16 55.80	- 7 53.9	2.084	3.056	6.4	20.8
5 31	16 47.32	-26 19.2	0.983	1.995	2.8	16.3	5 31	16 47.22	- 7 16.1	2.069	3.059	4.9	20.7
6 10	16 38.08	-26 35.1	0.984	1.993	4.5	16.4	6 10	16 38.48	- 6 49.2	2.082	3.062	6.0	20.8
6 20	16 29.89	-26 43.6	1.007	1.994	9.8	16.7	6 20	16 30.38	- 6 35.0	2.121	3.065	8.5	20.9
6 30	16 24.24	-26 48.0	1.051	1.996	14.8	16.9	6 30	16 23.63	- 6 33.9	2.186	3.067	11.2	21.1
7 10	16 22.00	-26 51.9	1.112	2.000	19.1	17.2	7 10	16 18.75	- 6 45.2	2.271	3.068	13.7	21.3
390231	2012 <i>XP</i> ₄₉		6 2.9 106 ^o .15	0 ^o .8/ 3.3	17		13723	Kokololova		6 2.9 237 ^o .23	1 ^o .1/ 2.6	18	
5 1	17 9.66	-25 4.2	2.229	3.087	11.6	21.4	5 1	17 9.05	-20 21.4	2.237	3.099	11.4	19.0
5 11	17 3.74	-25 7.5	2.164	3.099	8.5	21.2	5 11	17 3.39	-19 58.8	2.151	3.088	8.3	18.8
5 21	16 56.03	-25 6.1	2.124	3.110	5.0	21.0	5 21	16 55.92	-19 33.8	2.089	3.077	4.9	18.6
5 31	16 47.25	-24 59.8	2.110	3.122	1.5	20.8	5 31	16 47.27	-19 7.2	2.054	3.065	1.5	18.3
6 10	16 38.32	-24 49.1	2.125	3.133	2.7	20.9	6 10	16 38.31	-18 40.9	2.047	3.053	3.1	18.4
6 20	16 30.09	-24 35.7	2.167	3.144	6.2	21.1	6 20	16 29.90	-18 16.8	2.068	3.041	6.7	18.6
6 30	16 23.33	-24 21.9	2.236	3.154	9.4	21.4	6 30	16 22.84	-17 57.3	2.115	3.028	10.1	18.8
7 10	16 18.57	-24 9.9	2.327	3.165	12.2	21.6	7 10	16 17.73	-17 44.0	2.185	3.015	13.1	19.0
474977	2005 <i>TF</i> ₈₆		6 2.9 246 ^o .54	2 ^o .7/ 1.8	16		344536	2002 <i>TV</i> ₃₃₂		6 2.9 82 ^o .02	1 ^o .4/ 2.6	17	
5 1	17 6.26	-15 43.6	2.408	3.271	10.6	21.9	5 1	17 8.52	-19 2.8	1.978	2.847	12.3	21.6
5 11	17 1.16	-15 3.7	2.328	3.264	7.9	21.7	5 11	17 3.11	-18 50.8	1.907	2.848	9.0	21.4
5 21	16 54.52	-14 24.1	2.273	3.258	4.9	21.5	5 21	16 55.77	-18 38.2	1.860	2.849	5.3	21.2
5 31	16 46.92	-13 46.9	2.245	3.251	2.7	21.3	5 31	16 47.24	-18 25.8	1.838	2.850	1.8	20.9
6 10	16 39.10	-13 14.4	2.245	3.244	4.0	21.4	6 10	16 38.45	-18 14.9	1.845	2.851	3.4	21.0
6 20	16 31.80	-12 48.7	2.274	3.236	6.9	21.5	6 20	16 30.34	-18 7.2	1.878	2.852	7.2	21.3
6 30	16 25.68	-12 31.3	2.327	3.229	9.8	21.7	6 30	16 23.75	-18 4.3	1.936	2.853	10.7	21.5
7 10	16 21.26	-12 23.1	2.403	3.222	12.4	21.9	7 10	16 19.26	-18 7.3	2.016	2.854	13.8	21.7

EPHEMERIDES

6 2.9

6 3.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
141730	2002 LY ₂₃	6 2.9 325°98	2°7/ 3.8 18				509515	2007 VN ₂₈₉	6 2.9 271°98	1°4/ 2.7 18			
5 1	17 7.47	-29 4.7	1.167	2.056	17.6	18.9	5 1	17 9.54	-17 45.6	2.085	2.949	12.0	21.4
5 11	17 3.88	-28 57.4	1.087	2.036	13.4	18.6	5 11	17 3.96	-17 53.6	1.995	2.934	8.9	21.1
5 21	16 56.94	-28 36.4	1.026	2.016	8.5	18.3	5 21	16 56.38	-18 3.0	1.930	2.918	5.3	20.9
5 31	16 47.61	-28 0.0	0.987	1.998	3.6	17.9	5 31	16 47.43	-18 14.0	1.890	2.902	1.8	20.6
6 10	16 37.49	-27 9.8	0.971	1.980	4.7	17.9	6 10	16 38.01	-18 26.9	1.879	2.886	3.3	20.7
6 20	16 28.34	-26 10.5	0.977	1.963	10.1	18.2	6 20	16 29.08	-18 42.2	1.896	2.869	7.2	20.9
6 30	16 21.74	-25 9.9	1.003	1.948	15.5	18.4	6 30	16 21.54	-19 0.7	1.937	2.853	10.8	21.1
7 10	16 18.70	-24 15.4	1.048	1.934	20.2	18.6	7 10	16 16.07	-19 23.2	2.001	2.836	14.0	21.3
434254	2003 UJ ₁₄₃	6 2.9 258°89	2°3/ 1.9 18				283177	2009 RR ₅₂	6 2.9 75°00	1°7/ 3.4 17			
5 1	17 9.14	-18 23.9	2.164	3.027	11.6	20.8	5 1	17 13.19	-26 7.2	1.640	2.506	14.6	20.9
5 11	17 3.53	-17 34.9	2.070	3.008	8.6	20.6	5 11	17 6.80	-26 25.1	1.587	2.525	10.8	20.7
5 21	16 56.03	-16 42.9	2.002	2.989	5.2	20.3	5 21	16 57.99	-26 36.7	1.557	2.544	6.5	20.5
5 31	16 47.32	-15 50.2	1.961	2.970	2.4	20.1	5 31	16 47.76	-26 40.4	1.551	2.562	2.3	20.3
6 10	16 38.24	-14 59.9	1.948	2.950	4.0	20.2	6 10	16 37.38	-26 36.5	1.573	2.581	3.5	20.4
6 20	16 29.70	-14 15.2	1.963	2.929	7.5	20.3	6 20	16 28.06	-26 27.0	1.620	2.599	7.7	20.7
6 30	16 22.52	-13 39.0	2.003	2.908	11.0	20.5	6 30	16 20.80	-26 15.0	1.692	2.617	11.5	20.9
7 10	16 17.31	-13 13.2	2.066	2.887	14.1	20.7	7 10	16 16.22	-26 4.2	1.785	2.635	14.8	21.2
471599	2012 SP ₃	6 2.9 288°80	1°5/ 2.6 18				249022	2007 RZ ₁₇₉	6 3.0 296°06	3°4/ 1.9 17			
5 1	17 9.14	-19 16.2	1.799	2.671	13.2	21.4	5 1	17 9.67	-17 54.1	1.341	2.226	16.0	20.5
5 11	17 3.97	-19 2.9	1.707	2.650	9.8	21.1	5 11	17 5.00	-17 3.6	1.253	2.202	12.0	20.2
5 21	16 56.51	-18 48.2	1.638	2.628	5.8	20.8	5 21	16 57.41	-16 9.4	1.187	2.177	7.4	19.9
5 31	16 47.46	-18 33.2	1.595	2.607	1.9	20.5	5 31	16 47.73	-15 14.9	1.144	2.153	3.6	19.6
6 10	16 37.86	-18 19.5	1.579	2.586	3.7	20.6	6 10	16 37.28	-14 24.9	1.125	2.128	5.8	19.7
6 20	16 28.80	-18 8.8	1.589	2.564	8.1	20.8	6 20	16 27.53	-13 44.4	1.130	2.104	10.8	19.9
6 30	16 21.35	-18 3.5	1.623	2.543	12.2	21.0	6 30	16 19.87	-13 17.8	1.157	2.080	15.8	20.1
7 10	16 16.28	-18 5.3	1.678	2.521	15.8	21.2	7 10	16 15.24	-13 7.2	1.201	2.056	20.2	20.3
235235	2003 SB ₂₆₃	6 2.9 186°54	6°2/ 31.5 18				196698	2003 SV ₇₇	6 3.0 140°92	6°6/ 5.6 17			
5 1	17 7.77	-4 17.3	2.348	3.191	11.6	20.9	5 1	17 16.05	-42 47.8	2.333	3.133	13.0	20.9
5 11	17 2.21	-3 26.3	2.280	3.191	9.3	20.7	5 11	17 8.74	-43 19.6	2.264	3.143	10.7	20.7
5 21	16 55.11	-2 43.6	2.235	3.190	7.2	20.6	5 21	16 59.10	-43 35.7	2.218	3.152	8.5	20.6
5 31	16 47.08	-2 12.5	2.217	3.189	6.2	20.5	5 31	16 48.04	-43 32.5	2.197	3.161	6.9	20.5
6 10	16 38.86	-1 55.7	2.227	3.187	7.1	20.6	6 10	16 36.73	-43 9.3	2.203	3.169	6.8	20.5
6 20	16 31.18	-1 54.2	2.262	3.185	9.1	20.7	6 20	16 26.37	-42 28.3	2.235	3.177	8.2	20.6
6 30	16 24.71	-2 7.8	2.321	3.183	11.4	20.8	6 30	16 17.94	-41 34.4	2.292	3.184	10.3	20.8
7 10	16 19.94	-2 34.9	2.402	3.180	13.6	21.0	7 10	16 12.07	-40 33.7	2.372	3.191	12.6	20.9
213247	2001 BJ ₅₃	6 2.9 195°25	2°3/ 2.5 17				303805	2005 SB ₅₀	6 3.0 143°55	0°6/ 2.8 17			
5 1	17 12.45	-16 40.0	1.684	2.554	14.1	20.5	5 1	17 7.10	-20 56.6	2.859	3.714	9.4	22.3
5 11	17 6.30	-16 35.1	1.612	2.552	10.4	20.2	5 11	17 1.53	-20 44.1	2.789	3.723	6.8	22.1
5 21	16 57.79	-16 32.2	1.563	2.551	6.3	20.0	5 21	16 54.64	-20 29.8	2.744	3.732	4.0	21.9
5 31	16 47.74	-16 32.0	1.539	2.549	2.6	19.7	5 31	16 46.98	-20 14.2	2.728	3.740	1.0	21.7
6 10	16 37.31	-16 35.6	1.542	2.547	4.2	19.8	6 10	16 39.19	-19 58.4	2.741	3.748	2.3	21.8
6 20	16 27.66	-16 44.0	1.571	2.544	8.4	20.1	6 20	16 31.90	-19 43.7	2.783	3.755	5.2	22.0
6 30	16 19.83	-16 58.4	1.625	2.541	12.5	20.3	6 30	16 25.71	-19 31.5	2.852	3.763	7.9	22.2
7 10	16 14.53	-17 19.3	1.699	2.537	15.9	20.5	7 10	16 21.01	-19 23.1	2.945	3.769	10.2	22.4
63147	2000 XF ₁₉	6 2.9 264°78	4°0/ 4.3 18				17548	1993 SX ₆	6 3.0 121°83	3°4/ 3.8 18			
5 1	17 10.16	-34 16.3	2.325	3.163	11.8	19.5	5 1	17 14.82	-29 35.6	1.486	2.351	15.9	18.5
5 11	17 4.39	-34 41.1	2.242	3.156	9.2	19.3	5 11	17 8.49	-30 0.2	1.422	2.356	12.0	18.3
5 21	16 56.59	-34 56.2	2.182	3.150	6.5	19.1	5 21	16 59.23	-30 14.9	1.378	2.361	7.7	18.0
5 31	16 47.45	-34 59.2	2.148	3.143	4.3	18.9	5 31	16 48.10	-30 16.8	1.359	2.366	3.9	17.8
6 10	16 37.95	-34 49.5	2.141	3.135	4.5	18.9	6 10	16 36.58	-30 5.5	1.365	2.370	4.6	17.9
6 20	16 29.06	-34 28.6	2.162	3.128	6.9	19.1	6 20	16 26.15	-29 43.5	1.397	2.375	8.7	18.1
6 30	16 21.70	-33 59.5	2.208	3.121	9.8	19.2	6 30	16 18.08	-29 15.7	1.452	2.379	12.9	18.4
7 10	16 16.49	-33 26.6	2.277	3.114	12.4	19.4	7 10	16 13.14	-28 47.5	1.527	2.383	16.6	18.6
58635	1997 WQ ₆	6 2.9 79°44	0°2/ 2.9 18				413471	2005 GZ ₁₁₅	6 3.0 85°16	1°9/ 2.6 17			
5 1	17 11.97	-20 56.3	1.641	2.513	14.3	19.7	5 1	17 12.26	-18 48.7	1.472	2.348	15.3	21.5
5 11	17 5.94	-21 10.4	1.581	2.523	10.5	19.5	5 11	17 6.23	-18 31.3	1.417	2.361	11.2	21.3
5 21	16 57.53	-21 23.1	1.543	2.533	6.1	19.2	5 21	16 57.71	-18 13.4	1.384	2.374	6.6	21.1
5 31	16 47.67	-21 34.0	1.530	2.543	1.4	18.9	5 31	16 47.71	-17 56.2	1.375	2.387	2.3	20.8
6 10	16 37.54	-21 43.1	1.544	2.553	3.3	19.1	6 10	16 37.54	-17 41.9	1.393	2.399	4.2	21.0
6 20	16 28.33	-21 51.3	1.585	2.563	7.8	19.4	6 20	16 28.45	-17 32.4	1.435	2.411	8.7	21.3
6 30	16 21.05	-22 0.3	1.649	2.573	11.8	19.7	6 30	16 21.45	-17 29.9	1.502	2.424	12.9	21.6
7 10	16 16.35	-22 12.0	1.735	2.583	15.2	19.9	7 10	16 17.19	-17 35.4	1.588	2.436	16.4	21.8
140887	2001 VD ₂₈	6 2.9 136°48	0°2/ 3.1 18				60246	1999 VP ₁₉₀	6 3.0 313°58	2°9/ 2.1 18			
5 1	17 8.57	-23 27.9	2.601	3.456	10.2	21.1	5 1	17 8.28	-18 47.9	1.329	2.217	15.9	18.9
5 11	17 2.73	-23 23.6	2.532	3.466	7.4	21.0	5 11	17 3.85	-17 58.3	1.252	2.202	11.8	18.6
5 21	16 55.38	-23 15.9	2.488	3.475	4.3	20.8	5 21	16 56.62	-17 4.9	1.196	2.188	7.2	18.3
5 31	16 47.14	-23 5.0	2.472	3.485	1.1	20.5	5 31	16 47.52	-16 11.1	1.164	2.174	3.1	18.0
6 10	16 38.75	-22 51.7	2.485	3.494	2.3	20.7	6 10	16 37.87	-15 21.6	1.156	2.160	5.3	18.1
6 20	16 30.95	-22 37.4	2.527	3.502	5.5	20.9	6 20	16 29.08	-14 41.2	1.171	2.147	10.2	18.4
6 30	16 24.38	-22 23.9	2.595	3.510	8.4	21.1	6 30	16 22.40	-14 13.9	1.209	2.135	15.0	18.6
7 10	16 19.52	-22 13.0	2.688	3.518	10.9	21.3	7 10	16 18.65	-14 1.6	1.264	2.123	19.1	18.8
416961	2005 SC ₂₂₀	6 2.9 149°26	3°8/ 4.7 17				437484	2013 YD ₅₅	6 3.0 184°07	4°1/ 1.8 18			
5 1	17 14.88	-35 6.8	2.187										