

EPHEMERIDES

4 25.9

4 26.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
212734	2007 <i>RX</i> ₂₃₅		4 25.9 255°07	0°7/25.5	17		471435	2011 <i>UQ</i> ₉₃		4 25.9 113°39	1°0/24.9	17	
3 22	14 41.64	-13 38.8	1.682	2.522	14.9	21.0	3 22	14 34.61	-13 59.4	2.496	3.329	10.9	21.5
4 1	14 36.64	-13 15.7	1.588	2.506	11.3	20.7	4 1	14 30.36	-12 59.2	2.421	3.336	8.1	21.3
4 11	14 29.07	-12 41.6	1.516	2.489	7.1	20.4	4 11	14 24.65	-11 50.4	2.371	3.344	4.9	21.1
4 21	14 19.63	-11 59.5	1.470	2.472	2.4	20.1	4 21	14 18.01	-10 36.7	2.349	3.351	1.7	20.9
5 1	14 9.35	-11 14.0	1.451	2.454	2.9	20.1	5 1	14 11.11	-9 23.0	2.357	3.358	2.4	21.0
5 11	13 59.50	-10 31.3	1.458	2.435	7.8	20.3	5 11	14 4.66	-8 14.3	2.394	3.365	5.6	21.2
5 21	13 51.19	-9 57.2	1.491	2.416	12.4	20.5	5 21	13 59.23	-7 14.8	2.459	3.372	8.7	21.4
5 31	13 45.27	-9 36.2	1.545	2.397	16.4	20.7	5 31	13 55.27	-6 27.8	2.547	3.379	11.3	21.6
415922	2001 <i>UV</i> ₁₈₇		4 25.9 254°96	0°1/26.0	18		228536	2001 <i>VJ</i> ₆₃		4 25.9 208°48	0°5/26.4	18	
3 22	14 44.44	-12 52.6	1.749	2.584	14.7	20.6	3 22	14 41.06	-16 35.8	2.395	3.210	11.9	21.9
4 1	14 38.53	-13 14.2	1.668	2.582	11.2	20.4	4 1	14 35.41	-16 21.4	2.300	3.203	9.0	21.7
4 11	14 30.11	-13 29.7	1.609	2.580	7.0	20.1	4 11	14 27.93	-15 57.5	2.229	3.195	5.7	21.5
4 21	14 19.94	-13 39.9	1.577	2.578	2.4	19.8	4 21	14 19.17	-15 25.7	2.186	3.187	2.1	21.3
5 1	14 9.08	-13 46.8	1.572	2.576	2.4	19.8	5 1	14 9.92	-14 49.0	2.173	3.177	1.8	21.2
5 11	13 58.76	-13 53.4	1.595	2.574	7.0	20.1	5 11	14 1.05	-14 11.4	2.189	3.167	5.5	21.5
5 21	13 50.04	-14 2.9	1.644	2.572	11.2	20.3	5 21	13 53.32	-13 36.8	2.233	3.156	9.0	21.6
5 31	13 43.69	-14 18.4	1.715	2.570	14.9	20.6	5 31	13 47.31	-13 9.3	2.301	3.145	12.0	21.8
264550	2001 <i>SR</i> ₂₂₄		4 25.9 139°48	2°0/24.1	16		56207	1999 <i>GU</i> ₃₅		4 26.0 215°25	0°7/26.6	18	
3 22	14 39.92	-9 39.6	2.289	3.124	11.7	22.4	3 22	14 38.45	-18 21.5	1.931	2.758	13.8	18.4
4 1	14 34.35	-8 52.3	2.221	3.138	8.7	22.2	4 1	14 33.82	-17 50.5	1.846	2.754	10.6	18.2
4 11	14 27.10	-7 59.6	2.179	3.151	5.3	22.0	4 11	14 27.08	-17 5.7	1.783	2.751	6.8	18.0
4 21	14 18.82	-7 5.5	2.165	3.164	2.3	21.8	4 21	14 18.90	-16 9.7	1.747	2.747	2.6	17.7
5 1	14 10.27	-6 14.6	2.180	3.176	3.3	21.9	5 1	14 10.22	-15 6.8	1.738	2.743	2.1	17.6
5 11	14 2.26	-5 31.3	2.225	3.188	6.5	22.2	5 11	14 2.05	-14 3.3	1.758	2.739	6.3	17.9
5 21	13 55.47	-4 58.9	2.295	3.198	9.7	22.4	5 21	13 55.26	-13 5.1	1.803	2.734	10.3	18.1
5 31	13 50.39	-4 39.5	2.390	3.208	12.4	22.6	5 31	13 50.50	-12 17.6	1.871	2.729	13.7	18.3
341535	2007 <i>TO</i> ₄₄₅		4 25.9 236°15	0°7/26.6	18		375881	2009 <i>VH</i> ₆₁		4 26.0 173°68	0°7/26.6	17	
3 22	14 37.97	-17 18.5	2.290	3.111	12.1	21.3	3 22	14 39.93	-17 31.5	2.305	3.122	12.2	22.3
4 1	14 33.18	-17 3.4	2.197	3.103	9.3	21.1	4 1	14 34.54	-17 11.0	2.222	3.125	9.3	22.1
4 11	14 26.57	-16 38.0	2.128	3.095	5.9	20.9	4 11	14 27.35	-16 39.9	2.162	3.128	5.9	21.9
4 21	14 18.69	-16 4.2	2.086	3.086	2.3	20.6	4 21	14 18.96	-16 0.3	2.130	3.130	2.2	21.7
5 1	14 10.34	-15 24.8	2.073	3.078	1.8	20.5	5 1	14 10.17	-15 15.5	2.127	3.131	1.8	21.6
5 11	14 2.37	-14 44.2	2.089	3.069	5.5	20.8	5 11	14 1.85	-14 29.8	2.153	3.132	5.5	21.9
5 21	13 55.53	-14 6.8	2.131	3.059	9.1	21.0	5 21	13 54.74	-13 47.9	2.206	3.132	8.9	22.1
5 31	13 50.43	-13 36.5	2.197	3.050	12.2	21.2	5 31	13 49.38	-13 13.7	2.283	3.131	11.9	22.3
73713	1992 <i>RW</i> ₆		4 25.9 270°02	1°6/24.6	18		434319	2004 <i>GZ</i> ₆₉		4 26.0 287°13	2°1/24.3	17	
3 22	14 37.44	-10 32.7	2.066	2.909	12.4	18.7	3 22	14 38.64	-7 43.3	2.178	3.020	11.9	21.2
4 1	14 32.88	-10 3.7	1.982	2.902	9.3	18.5	4 1	14 33.69	-7 29.4	2.093	3.012	8.9	21.0
4 11	14 26.41	-9 28.4	1.922	2.896	5.7	18.3	4 11	14 26.89	-7 12.5	2.032	3.005	5.6	20.8
4 21	14 18.65	-8 50.1	1.889	2.890	2.2	18.0	4 21	14 18.83	-6 55.5	1.999	2.998	2.5	20.6
5 1	14 10.41	-8 13.1	1.884	2.883	3.1	18.1	5 1	14 10.29	-6 41.8	1.994	2.991	3.4	20.6
5 11	14 2.61	-7 41.8	1.906	2.877	6.8	18.3	5 11	14 2.16	-6 34.7	2.016	2.984	6.8	20.8
5 21	13 56.03	-7 20.1	1.954	2.870	10.4	18.5	5 21	13 55.19	-6 36.7	2.065	2.976	10.2	21.0
5 31	13 51.27	-7 10.5	2.025	2.864	13.6	18.7	5 31	13 49.98	-6 49.3	2.137	2.969	13.2	21.2
33468	Nelsoneric		4 25.9 192°60	4°4/29.4	18		462594	2009 <i>HH</i> ₇		4 26.0 286°46	3°5/23.9	17	
3 22	14 43.72	-27 7.5	1.872	2.661	15.7	18.8	3 22	14 41.66	-6 38.5	1.567	2.421	15.1	21.3
4 1	14 38.03	-27 12.2	1.783	2.659	12.7	18.6	4 1	14 36.88	-6 11.3	1.471	2.396	11.5	21.0
4 11	14 29.83	-26 57.5	1.716	2.657	9.2	18.4	4 11	14 29.38	-5 39.6	1.397	2.371	7.4	20.7
4 21	14 19.85	-26 22.5	1.673	2.654	5.8	18.2	4 21	14 19.81	-5 7.9	1.347	2.345	3.8	20.5
5 1	14 9.20	-25 29.2	1.657	2.651	4.5	18.1	5 1	14 9.23	-4 42.1	1.324	2.319	5.2	20.5
5 11	13 59.14	-24 22.9	1.668	2.646	6.9	18.2	5 11	13 58.99	-4 27.8	1.327	2.293	9.6	20.6
5 21	13 50.72	-23 11.3	1.706	2.641	10.4	18.4	5 21	13 50.30	-4 29.2	1.353	2.267	14.3	20.8
5 31	13 44.72	-22 2.3	1.767	2.636	13.9	18.6	5 31	13 44.11	-4 48.3	1.399	2.241	18.4	21.0
83686	2001 <i>TC</i> ₅₃		4 25.9 300°60	1°6/24.7	18		452327	2000 <i>SX</i> ₁₆₂		4 26.0 84°63	1°8/27.3	16	
3 22	14 37.71	-9 55.0	2.068	2.911	12.4	19.2	3 22	14 49.96	-19 53.0	1.786	2.592	15.6	22.1
4 1	14 33.09	-9 36.3	1.983	2.904	9.3	19.0	4 1	14 42.02	-19 46.4	1.741	2.636	11.9	21.9
4 11	14 26.56	-9 12.4	1.922	2.896	5.7	18.8	4 11	14 31.84	-19 25.8	1.720	2.680	7.7	21.8
4 21	14 18.70	-8 46.2	1.888	2.889	2.2	18.5	4 21	14 20.39	-18 52.7	1.725	2.722	3.4	21.6
5 1	14 10.36	-8 21.6	1.882	2.882	3.1	18.6	5 1	14 8.89	-18 11.1	1.759	2.763	2.4	21.6
5 11	14 2.44	-8 2.6	1.904	2.875	6.8	18.8	5 11	13 58.48	-17 26.9	1.823	2.802	6.2	21.9
5 21	13 55.73	-7 52.2	1.951	2.868	10.4	19.0	5 21	13 50.01	-16 45.6	1.913	2.841	10.0	22.2
5 31	13 50.86	-7 53.0	2.021	2.862	13.5	19.2	5 31	13 43.98	-16 12.1	2.027	2.878	13.1	22.5
293852	2007 <i>RQ</i> ₂₃₆		4 25.9 256°10	3°3/23.5	16		184825	2005 <i>TZ</i> ₁₇₈		4 26.0 106°21	0°1/26.1	18	
3 22	14 40.21	-8 42.9	1.656	2.508	14.6	21.5	3 22	14 35.56	-16 17.5	2.491	3.316	11.2	20.8
4 1	14 35.52	-7 43.9	1.565	2.490	11.0	21.2	4 1	14 31.11	-15 43.7	2.415	3.325	8.4	20.6
4 11	14 28.35	-6 35.9	1.497	2.472	6.9	21.0	4 11	14 25.13	-15 0.8	2.364	3.333	5.2	20.4
4 21	14 19.38	-5 24.5	1.455	2.454	3.5	20.7	4 21	14 18.19	-14 11.4	2.341	3.342	1.8	20.2
5 1	14 9.66	-4 17.0	1.441	2.434	5.1	20.7	5 1	14 10.97	-13 19.2	2.346	3.351	1.7	20.2
5 11	14 0.37	-3 20.9	1.452	2.415	9.3	20.9	5 11	14 4.20	-12 28.5	2.381	3.359	5.1	20.4
5 21	13 52.60	-2 42.0	1.487	2.395	13.6	21.1	5 21	13 58.47	-11 43.2	2.443	3.367	8.2	20.6
5 31	13 47.14	-2 23.5	1.543	2.374	17.4	21.3	5 31	13 54.26	-11 6.8	2.529	3.375	11.0	20.8
341881	2008 <i>GM</i> ₉₄		4 25.9 267°06	1°6/23.3	18		457273	2008 <i>RE</i> ₆₄		4 26.0 232°18	2°7/27.5	16	
3 22</													

EPHEMERIDES

4 26.0

4 26.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
120164	2003 <i>HV</i> ₄₅		4 26.0 305°29	3°0/23.9	18		88468	2001 <i>QB</i> ₁₀₉		4 26.0 296°22	7°1/21.7	17	
3 22	14 41.25	- 4 5.8	2.193	3.033	11.9	19.3	3 22	14 40.74	- 1 16.3	1.289	2.158	16.8	19.3
4 1	14 35.64	- 4 6.9	2.106	3.023	9.0	19.1	4 1	14 36.69	- 0 16.3	1.200	2.130	13.1	19.0
4 11	14 28.11	- 4 8.6	2.044	3.014	5.8	18.9	4 11	14 29.53	+ 0 45.8	1.132	2.102	9.3	18.7
4 21	14 19.25	- 4 13.8	2.009	3.005	3.2	18.7	4 21	14 19.94	+ 1 41.5	1.086	2.074	7.1	18.5
5 1	14 9.88	- 4 25.1	2.003	2.995	4.1	18.8	5 1	14 9.15	+ 2 21.0	1.064	2.045	9.0	18.5
5 11	14 0.90	- 4 44.7	2.025	2.986	7.2	18.9	5 11	13 58.73	+ 2 36.1	1.066	2.017	13.3	18.6
5 21	13 53.11	- 5 13.8	2.074	2.977	10.5	19.1	5 21	13 50.12	+ 2 22.9	1.088	1.989	18.0	18.8
5 31	13 47.13	- 5 53.0	2.145	2.969	13.5	19.3	5 31	13 44.40	+ 1 41.4	1.127	1.961	22.3	19.0
430776	2004 <i>SZ</i> ₃₈		4 26.0 194°46	2°3/23.5	18		101829	1999 <i>JW</i> ₂₈		4 26.0 41°58	0°2/25.9	18	
3 22	14 37.61	- 9 11.7	2.552	3.387	10.6	22.0	3 22	14 44.73	-11 47.9	1.491	2.337	16.2	19.0
4 1	14 32.61	- 8 9.3	2.468	3.385	7.9	21.8	4 1	14 38.92	-12 16.4	1.427	2.347	12.2	18.8
4 11	14 26.07	- 7 1.0	2.409	3.381	4.9	21.6	4 11	14 30.41	-12 39.1	1.385	2.358	7.6	18.5
4 21	14 18.52	- 5 50.8	2.380	3.377	2.4	21.4	4 21	14 20.07	-12 57.1	1.367	2.369	2.6	18.2
5 1	14 10.64	- 4 43.7	2.380	3.372	3.5	21.5	5 1	14 9.16	-13 12.2	1.377	2.381	2.6	18.3
5 11	14 3.14	- 3 44.4	2.409	3.367	6.5	21.6	5 11	13 59.06	-13 27.6	1.413	2.393	7.6	18.6
5 21	13 56.66	- 2 56.6	2.466	3.361	9.4	21.8	5 21	13 50.86	-13 46.3	1.473	2.406	12.0	18.9
5 31	13 51.68	- 2 22.7	2.546	3.354	12.0	22.0	5 31	13 45.30	-14 10.8	1.555	2.418	15.7	19.1
505251	2012 <i>UJ</i> ₁₂₄		4 26.0 90°69	3°1/29.3	17		17423	1988 <i>SK</i> ₂		4 26.0 337°32	0°4/25.5	18	
3 22	14 36.83	-26 12.9	2.258	3.050	13.2	21.1	3 22	14 30.03	-13 7.8	3.953	4.779	7.4	19.1
4 1	14 32.31	-25 51.1	2.179	3.059	10.5	20.9	4 1	14 26.56	-12 47.4	3.863	4.775	5.5	19.0
4 11	14 25.99	-25 12.7	2.122	3.068	7.4	20.7	4 11	14 22.17	-12 22.6	3.801	4.772	3.3	18.8
4 21	14 18.50	-24 18.7	2.091	3.077	4.4	20.5	4 21	14 17.19	-11 55.3	3.767	4.768	1.1	18.6
5 1	14 10.68	-23 12.3	2.088	3.086	3.2	20.5	5 1	14 12.01	-11 27.3	3.762	4.765	1.3	18.7
5 11	14 3.39	-21 59.0	2.113	3.094	5.4	20.6	5 11	14 7.04	-11 0.9	3.788	4.762	3.6	18.8
5 21	13 57.37	-20 44.8	2.166	3.103	8.5	20.8	5 21	14 2.65	-10 37.9	3.841	4.759	5.7	19.0
5 31	13 53.15	-19 35.7	2.243	3.112	11.4	21.0	5 31	13 59.15	-10 20.2	3.920	4.756	7.6	19.1
283238	2010 <i>UL</i> ₁₆		4 26.0 272°39	0°9/25.4	17		138821	2000 <i>UM</i> ₂₃		4 26.0 194°20	2°4/23.4	18	
3 22	14 42.01	-12 47.7	1.703	2.544	14.8	21.3	3 22	14 36.15	- 6 32.4	2.772	3.610	9.8	20.8
4 1	14 37.02	-12 30.3	1.601	2.519	11.3	21.0	4 1	14 31.42	- 5 56.0	2.691	3.608	7.3	20.7
4 11	14 29.41	-12 3.2	1.521	2.494	7.1	20.7	4 11	14 25.30	- 5 17.0	2.635	3.606	4.6	20.5
4 21	14 19.82	-11 29.0	1.466	2.468	2.4	20.4	4 21	14 18.27	- 4 38.6	2.608	3.603	2.5	20.3
5 1	14 9.25	-10 52.0	1.439	2.442	3.0	20.3	5 1	14 10.95	- 4 4.2	2.610	3.601	3.4	20.4
5 11	13 58.98	-10 17.7	1.439	2.415	7.9	20.6	5 11	14 3.96	- 3 37.2	2.641	3.597	6.0	20.6
5 21	13 50.18	- 9 51.8	1.463	2.388	12.6	20.8	5 21	13 57.88	- 3 19.9	2.699	3.594	8.7	20.7
5 31	13 43.75	- 9 38.6	1.509	2.360	16.8	21.0	5 31	13 53.15	- 3 13.6	2.780	3.590	11.1	20.9
284168	2005 <i>YU</i> ₁₅₁		4 26.0 233°90	2°3/27.5	16		499634	2010 <i>US</i> ₁₀₇		4 26.0 230°44	3°7/28.7	17	
3 22	14 43.53	-20 40.8	1.682	2.501	15.9	21.6	3 22	14 42.00	-24 34.6	1.855	2.657	15.3	22.2
4 1	14 38.17	-20 39.3	1.588	2.490	12.4	21.3	4 1	14 36.82	-24 41.7	1.762	2.649	12.2	22.0
4 11	14 30.10	-20 22.0	1.516	2.477	8.4	21.1	4 11	14 29.15	-24 31.7	1.690	2.640	8.7	21.7
4 21	14 20.03	-19 49.0	1.468	2.464	4.0	20.8	4 21	14 19.69	-24 4.0	1.642	2.630	5.1	21.5
5 1	14 9.08	-19 3.3	1.447	2.451	2.9	20.6	5 1	14 9.48	-23 20.5	1.622	2.620	3.8	21.4
5 11	13 58.61	-18 10.5	1.454	2.436	7.2	20.9	5 11	13 59.75	-22 26.0	1.629	2.609	6.7	21.5
5 21	13 49.81	-17 17.8	1.486	2.421	11.7	21.1	5 21	13 51.57	-21 27.5	1.661	2.599	10.6	21.7
5 31	13 43.55	-16 32.3	1.540	2.406	15.7	21.3	5 31	13 45.72	-20 32.2	1.717	2.587	14.2	21.9
149292	2002 <i>TS</i> ₂₃₆		4 26.0 220°76	3°6/29.2	18		175685	1995 <i>SB</i> ₆		4 26.0 220°90	1°3/26.9	17	
3 22	14 41.44	-26 31.8	2.179	2.964	13.9	21.0	3 22	14 41.75	-18 26.5	1.860	2.683	14.5	21.2
4 1	14 36.05	-26 22.7	2.078	2.954	11.2	20.8	4 1	14 36.48	-18 17.6	1.770	2.676	11.1	21.0
4 11	14 28.49	-25 56.1	2.000	2.943	8.0	20.6	4 11	14 28.86	-17 55.8	1.703	2.669	7.2	20.8
4 21	14 19.42	-25 11.8	1.947	2.931	4.9	20.4	4 21	14 19.57	-17 22.4	1.662	2.661	3.0	20.4
5 1	14 9.73	-24 11.9	1.922	2.919	3.7	20.3	5 1	14 9.63	-16 40.6	1.648	2.652	2.3	20.4
5 11	14 0.47	-23 1.5	1.926	2.905	6.0	20.4	5 11	14 0.17	-15 55.6	1.662	2.643	6.5	20.6
5 21	13 52.56	-21 47.0	1.958	2.892	9.4	20.6	5 21	13 52.19	-15 13.3	1.702	2.634	10.7	20.8
5 31	13 46.69	-20 35.5	2.013	2.877	12.7	20.8	5 31	13 46.42	-14 39.0	1.765	2.624	14.4	21.0
120616	1995 <i>WE</i> ₃₃		4 26.0 118°90	1°7/24.5	17		336118	2008 <i>LT</i> ₁₇		4 26.0 247°46	0°6/24.9	18	
3 22	14 38.88	-10 58.1	2.111	2.949	12.4	20.2	3 22	14 28.95	-12 3.6	4.494	5.321	6.5	21.2
4 1	14 33.75	-10 17.3	2.044	2.962	9.2	20.0	4 1	14 25.65	-11 31.0	4.405	5.317	4.8	21.1
4 11	14 26.83	- 9 30.0	2.002	2.975	5.6	19.8	4 11	14 21.57	-10 54.6	4.342	5.314	2.9	20.9
4 21	14 18.78	- 8 40.1	1.987	2.988	2.2	19.6	4 21	14 16.99	-10 16.3	4.309	5.310	1.0	20.8
5 1	14 10.43	- 7 52.2	2.001	3.000	3.1	19.7	5 1	14 12.24	- 9 38.1	4.307	5.307	1.4	20.8
5 11	14 2.67	- 7 11.0	2.042	3.011	6.6	19.9	5 11	14 7.68	- 9 2.0	4.334	5.304	3.4	20.9
5 21	13 56.18	- 6 40.2	2.110	3.023	10.0	20.2	5 21	14 3.62	- 8 30.1	4.390	5.300	5.2	21.1
5 31	13 51.49	- 6 22.0	2.201	3.033	12.9	20.4	5 31	14 0.33	- 8 3.7	4.471	5.297	6.9	21.2
276657	2003 <i>VM</i> ₇		4 26.0 231°71	0°4/26.3	17		82457	2001 <i>OH</i> ₁₄		4 26.0 222°81	4°3/29.9	18	
3 22	14 41.52	-16 42.6	1.902	2.729	14.0	21.8	3 22	14 39.46	-28 17.7	2.477	3.249	12.7	19.8
4 1	14 36.27	-16 21.6	1.808	2.717	10.7	21.5	4 1	14 34.36	-28 32.0	2.380	3.243	10.4	19.6
4 11	14 28.71	-15 48.5	1.736	2.705	6.8	21.3	4 11	14 27.37	-28 31.3	2.305	3.236	7.8	19.4
4 21	14 19.51	-15 5.0	1.691	2.692	2.5	21.0	4 21	14 19.04	-28 14.8	2.256	3.229	5.3	19.2
5 1	14 9.63	-14 15.2	1.674	2.678	2.2	20.9	5 1	14 10.18	-27 43.4	2.235	3.222	4.3	19.2
5 11	14 0.19	-13 24.7	1.684	2.664	6.7	21.2	5 11	14 1.69	-27 0.5	2.241	3.215	5.8	19.2
5 21	13 52.15	-12 39.3	1.721	2.649	10.9	21.4	5 21	13 54.37	-26 10.8	2.275	3.207	8.4	19.4
5 31	13 46.27	-12 4.0	1.781	2.633	14.6	21.6	5 31	13 48.83	-25 19.9	2.334	3.199	11.1	19.6
195449	2002 <i>GZ</i> ₈₄		4 26.0 329°04	4°5/23.5	18		286567	2002 <i>CN</i> ₂₀₅					

EPHEMERIDES

4 26.0

4 26.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
82940	2001 QZ ₁₁₅		4 26.0 209°33'	3°0'/23.1 18			412662	2014 OC ₁₉₅		4 26.0 294°54'	2°8'/24.3 16		
3 22	14 37.74	- 9 28.9	2.030	2.875	12.6	19.8	3 22	14 39.10	-10 21.0	1.311	2.176	16.9	21.6
4 1	14 33.10	- 8 8.0	1.948	2.870	9.3	19.6	4 1	14 35.37	- 9 39.0	1.223	2.155	12.8	21.3
4 11	14 26.56	- 6 38.6	1.891	2.865	5.8	19.3	4 11	14 28.65	- 8 45.5	1.156	2.133	8.0	20.9
4 21	14 18.75	- 5 6.2	1.862	2.859	3.1	19.1	4 21	14 19.65	- 7 46.0	1.111	2.112	3.4	20.6
5 1	14 10.50	- 3 38.1	1.861	2.853	4.5	19.2	5 1	14 9.59	- 6 47.9	1.092	2.091	4.9	20.6
5 11	14 2.74	- 2 21.1	1.889	2.846	8.0	19.4	5 11	14 0.01	- 6 0.1	1.097	2.070	10.2	20.8
5 21	13 56.22	- 1 20.3	1.942	2.838	11.5	19.6	5 21	13 52.24	- 5 29.5	1.123	2.050	15.4	21.1
5 31	13 51.55	- 0 38.6	2.017	2.830	14.5	19.8	5 31	13 47.29	- 5 20.4	1.168	2.030	20.0	21.3
188915	2007 BJ ₁₉		4 26.0 153°61'	8°4'/18.4 17			512933	2017 AD ₁₃		4 26.0 172°58'	6°0'/13.3 18		
3 22	14 40.09	+ 8 49.0	2.001	2.840	12.9	20.6	3 22	14 30.03	+20 15.2	4.586	5.378	7.0	20.4
4 1	14 34.72	+10 7.8	1.947	2.846	10.6	20.5	4 1	14 26.44	+21 6.6	4.539	5.378	6.3	20.3
4 11	14 27.47	+11 17.6	1.917	2.852	8.9	20.4	4 11	14 22.05	+21 49.5	4.518	5.378	6.0	20.3
4 21	14 19.02	+12 11.6	1.913	2.857	8.5	20.4	4 21	14 17.17	+22 21.3	4.521	5.379	6.1	20.3
5 1	14 10.26	+12 43.8	1.935	2.862	9.6	20.4	5 1	14 12.15	+22 40.0	4.550	5.379	6.6	20.3
5 11	14 2.12	+12 51.4	1.981	2.866	11.7	20.6	5 11	14 7.35	+22 44.7	4.603	5.379	7.4	20.4
5 21	13 55.33	+12 34.7	2.050	2.870	14.1	20.7	5 21	14 3.09	+22 35.3	4.677	5.380	8.3	20.5
5 31	13 50.45	+11 55.8	2.137	2.873	16.2	20.9	5 31	13 59.63	+22 12.7	4.769	5.380	9.2	20.6
376809	2000 WG ₁₃		4 26.0 150°86'	4°2'/29.6 18			274080	2008 AJ ₂₅		4 26.0 193°27'	0°2'/25.9 17		
3 22	14 42.79	-30 55.4	1.206	2.014	21.6	20.8	3 22	14 41.91	-14 45.6	2.024	2.851	13.3	22.5
4 1	14 38.24	-29 34.4	1.131	2.019	17.4	20.5	4 1	14 36.31	-14 23.6	1.939	2.850	10.0	22.3
4 11	14 30.28	-27 32.2	1.074	2.024	12.4	20.2	4 11	14 28.62	-13 51.9	1.877	2.847	6.3	22.0
4 21	14 20.07	-24 50.6	1.039	2.029	7.0	19.9	4 21	14 19.49	-13 13.0	1.843	2.844	2.1	21.7
5 1	14 9.27	-21 40.3	1.031	2.032	4.3	19.8	5 1	14 9.85	-12 30.6	1.837	2.840	2.2	21.7
5 11	13 59.66	-18 20.1	1.049	2.036	8.5	20.0	5 11	14 0.70	-11 49.8	1.859	2.836	6.4	22.0
5 21	13 52.55	-15 10.3	1.093	2.039	13.8	20.3	5 21	13 52.91	-11 15.3	1.908	2.831	10.3	22.2
5 31	13 48.68	-12 26.9	1.158	2.041	18.7	20.6	5 31	13 47.14	-10 50.9	1.980	2.825	13.6	22.4
331024	2009 UP ₁₅₁		4 26.0 216°04'	2°1'/24.2 17			397327	2006 TM ₉		4 26.0 150°02'	0°4'/25.8 18		
3 22	14 39.88	- 9 17.4	2.173	3.011	12.1	21.8	3 22	14 43.36	-11 33.9	2.717	3.533	10.6	21.7
4 1	14 34.64	- 8 41.9	2.086	3.004	9.1	21.6	4 1	14 36.83	-11 49.5	2.634	3.540	7.9	21.5
4 11	14 27.50	- 8 0.8	2.023	2.996	5.6	21.4	4 11	14 28.69	-12 1.2	2.578	3.546	4.9	21.3
4 21	14 19.08	- 7 17.6	1.988	2.987	2.5	21.1	4 21	14 19.48	-12 10.1	2.551	3.552	1.6	21.1
5 1	14 10.16	- 6 36.8	1.981	2.978	3.4	21.2	5 1	14 9.90	-12 17.8	2.555	3.558	1.8	21.1
5 11	14 1.67	- 6 2.8	2.003	2.969	7.0	21.4	5 11	14 0.73	-12 26.0	2.589	3.563	5.0	21.3
5 21	13 54.37	- 5 39.3	2.051	2.958	10.4	21.6	5 21	13 52.60	-12 36.7	2.652	3.568	8.0	21.5
5 31	13 48.87	- 5 28.6	2.122	2.948	13.5	21.8	5 31	13 46.04	-12 51.7	2.741	3.573	10.6	21.7
11789	Kempowski		4 26.0 27°58'	5°9'/25.1 18 R			133811	2003 WW ₁₅₇		4 26.0 212°15'	4°1'/21.9 18		
3 22	14 58.68	+ 1 49.7	1.004	1.859	21.6	17.1	3 22	14 38.24	- 1 47.2	2.443	3.284	10.8	19.8
4 1	14 50.72	+ 0 56.5	0.940	1.861	16.8	16.8	4 1	14 33.18	- 1 0.1	2.362	3.278	8.2	19.6
4 11	14 38.42	- 0 12.3	0.895	1.864	11.3	16.5	4 11	14 26.50	- 0 12.9	2.307	3.272	5.6	19.4
4 21	14 22.96	- 1 40.1	0.872	1.867	6.5	16.3	4 21	14 18.75	+ 0 30.0	2.279	3.264	4.2	19.3
5 1	14 6.35	- 3 26.4	0.875	1.870	7.2	16.3	5 1	14 10.62	+ 1 4.2	2.280	3.257	5.2	19.4
5 11	13 50.99	- 5 27.1	0.903	1.873	12.4	16.6	5 11	14 2.87	+ 1 26.1	2.309	3.249	7.8	19.5
5 21	13 38.73	- 7 36.0	0.954	1.877	17.8	16.9	5 21	13 56.16	+ 1 33.8	2.364	3.240	10.5	19.7
5 31	13 30.66	- 9 48.3	1.024	1.882	22.5	17.2	5 31	13 51.01	+ 1 26.6	2.441	3.231	13.0	19.8
428833	2008 TN ₁₆₃		4 26.0 159°22'	0°8'/26.7 17			299389	2005 WM ₈₈		4 26.0 97°21'	3°3'/28.4 18		
3 22	14 38.50	-18 0.7	2.179	3.000	12.7	22.2	3 22	14 42.27	-23 45.1	1.439	2.261	18.0	20.3
4 1	14 33.59	-17 39.1	2.098	3.004	9.7	22.0	4 1	14 37.28	-23 32.9	1.372	2.273	14.1	20.1
4 11	14 26.83	-17 6.1	2.041	3.007	6.2	21.8	4 11	14 29.48	-22 59.2	1.326	2.285	9.6	19.8
4 21	14 18.84	-16 24.0	2.010	3.010	2.4	21.6	4 21	14 19.81	-22 5.2	1.303	2.296	5.1	19.6
5 1	14 10.45	-15 36.1	2.008	3.012	1.9	21.5	5 1	14 9.61	-20 55.7	1.306	2.308	3.6	19.5
5 11	14 2.55	-14 47.4	2.034	3.015	5.6	21.8	5 11	14 0.32	-19 38.9	1.335	2.319	7.4	19.8
5 21	13 55.90	-14 2.6	2.087	3.017	9.2	22.0	5 21	13 53.05	-18 24.2	1.388	2.330	11.8	20.1
5 31	13 51.05	-13 25.9	2.164	3.019	12.3	22.2	5 31	13 48.53	-17 19.7	1.463	2.341	15.7	20.3
303330	2004 TY ₁₁₉		4 26.0 201°83'	2°4'/27.8 16			373623	2002 GQ ₁₆₁		4 26.0 357°90'	3°2'/24.7 17		
3 22	14 42.45	-22 6.9	1.807	2.618	15.3	21.9	3 22	14 43.31	- 4 37.2	1.362	2.222	16.6	19.1
4 1	14 37.08	-21 51.8	1.718	2.615	11.9	21.7	4 1	14 38.19	- 5 0.7	1.291	2.219	12.6	18.8
4 11	14 29.26	-21 19.6	1.652	2.611	8.1	21.4	4 11	14 30.18	- 5 26.4	1.241	2.216	8.0	18.6
4 21	14 19.73	-20 31.2	1.611	2.606	4.0	21.2	4 21	14 20.11	- 5 57.4	1.216	2.215	3.8	18.3
5 1	14 9.55	-19 30.2	1.598	2.600	2.8	21.1	5 1	14 9.27	- 6 35.9	1.216	2.214	4.7	18.4
5 11	13 59.94	-18 22.8	1.612	2.594	6.6	21.3	5 11	13 59.15	- 7 23.7	1.241	2.215	9.3	18.6
5 21	13 51.92	-17 16.5	1.652	2.587	10.8	21.5	5 21	13 50.95	- 8 21.1	1.289	2.216	13.8	18.9
5 31	13 46.24	-16 18.0	1.716	2.580	14.5	21.7	5 31	13 45.53	- 9 27.8	1.358	2.219	17.8	19.1
251587	2009 FU ₇₅		4 26.0 320°83'	0°1'/26.0 17			204892	2007 TQ ₃₃₁		4 26.0 233°42'	0°8'/27.2 18		
3 22	14 37.87	-14 49.0	1.281	2.142	17.5	20.4	3 22	14 32.84	-18 46.4	3.878	4.682	7.9	21.8
4 1	14 34.49	-14 40.8	1.198	2.126	13.4	20.1	4 1	14 28.72	-18 29.6	3.775	4.670	6.1	21.6
4 11	14 28.10	-14 19.4	1.134	2.110	8.5	19.8	4 11	14 23.57	-18 5.8	3.698	4.658	3.9	21.4
4 21	14 19.44	-13 47.3	1.093	2.095	2.9	19.4	4 21	14 17.73	-17 36.3	3.649	4.647	1.7	21.3
5 1	14 9.78	-13 9.4	1.077	2.081	2.9	19.4	5 1	14 11.64	-17 2.8	3.631	4.634	1.2	21.2
5 11	14 0.66	-12 32.8	1.084	2.068	8.7	19.6	5 11	14 5.76	-16 27.7	3.642	4.622	3.4	21.4
5 21	13 53.43	-12 4.4	1.113	2.055	14.0	19.9	5 21	14 0.49	-15 53.6	3.683	4.609	5.7	21.5
5 31	13 49.08	-11 50.0	1.161	2.043	18.7	20.1	5 31	13 56.19	-15 22.7	3.750	4.596	7.7	21.6
135632	2002 JK ₈₃		4 26.0 293°00'	1°4'/27.1 17			295032	2008 EL ₈₁					

EPHEMERIDES

4 26.0

4 26.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
109809	2001 <i>RT</i> ₁₀₂		4 26.0 105°68	5°6/21.2	18		496851	1999 <i>UX</i> ₃₁		4 26.0 255°57	0°2/25.9	17	
3 22	14 39.05	- 1 35.0	1.824	2.678	13.3	19.7	3 22	14 42.28	-14 12.7	1.750	2.586	14.6	22.3
4 1	14 34.05	- 0 14.6	1.771	2.693	10.1	19.5	4 1	14 37.11	-14 3.2	1.656	2.571	11.2	22.0
4 11	14 27.10	+ 1 5.4	1.742	2.708	7.1	19.4	4 11	14 29.42	-13 43.9	1.584	2.555	7.0	21.8
4 21	14 18.94	+ 2 17.8	1.740	2.722	5.6	19.3	4 21	14 19.89	-13 16.7	1.537	2.539	2.4	21.4
5 1	14 10.51	+ 3 16.0	1.765	2.736	7.0	19.4	5 1	14 9.54	-12 45.4	1.518	2.522	2.5	21.4
5 11	14 2.77	+ 3 55.0	1.816	2.750	9.8	19.6	5 11	13 59.59	-12 15.0	1.526	2.505	7.3	21.6
5 21	13 56.48	+ 4 12.8	1.890	2.763	12.8	19.8	5 21	13 51.14	-11 50.7	1.559	2.487	11.8	21.9
5 31	13 52.15	+ 4 9.8	1.985	2.776	15.5	20.1	5 31	13 45.00	-11 36.7	1.614	2.469	15.7	22.1
89745	2002 <i>AT</i> ₁₉		4 26.0 354°47	1°6/24.8	18		390716	2003 <i>FR</i> ₈₉		4 26.0 45°93	3°6/22.0	14	C
3 22	14 37.25	- 9 48.5	1.960	2.807	12.8	18.7	3 22	14 35.02	-10 21.6	1.813	2.667	13.4	20.7
4 1	14 32.84	- 9 34.3	1.883	2.805	9.6	18.4	4 1	14 31.01	- 8 11.3	1.762	2.690	9.8	20.5
4 11	14 26.47	- 9 15.1	1.829	2.803	5.9	18.2	4 11	14 25.19	- 5 52.5	1.738	2.713	6.1	20.3
4 21	14 18.78	- 8 54.0	1.800	2.801	2.3	18.0	4 21	14 18.30	- 3 34.4	1.742	2.737	3.6	20.2
5 1	14 10.62	- 8 34.7	1.800	2.800	3.1	18.0	5 1	14 11.23	- 1 26.6	1.775	2.761	5.3	20.4
5 11	14 2.95	- 8 21.1	1.827	2.800	6.9	18.3	5 11	14 4.88	+ 0 22.4	1.835	2.785	8.7	20.6
5 21	13 56.55	- 8 16.1	1.879	2.799	10.5	18.5	5 21	13 59.90	+ 1 47.7	1.921	2.810	12.0	20.9
5 31	13 52.04	- 8 22.0	1.953	2.800	13.7	18.7	5 31	13 56.76	+ 2 47.6	2.029	2.835	14.7	21.1
392408	2010 <i>LE</i> ₈₆		4 26.0 274°96	1°5/24.4	16		307108	2002 <i>CN</i> ₄₅		4 26.0 170°98	1°9/24.6	18	
3 22	14 34.98	-12 31.8	2.509	3.344	10.8	21.4	3 22	14 42.06	-11 5.3	1.812	2.652	14.0	21.4
4 1	14 30.87	-11 30.2	2.404	3.321	8.1	21.2	4 1	14 36.54	-10 22.5	1.737	2.656	10.5	21.2
4 11	14 25.16	-10 19.2	2.325	3.298	5.0	20.9	4 11	14 28.80	- 9 31.4	1.686	2.659	6.5	21.0
4 21	14 18.33	- 9 2.5	2.273	3.274	1.9	20.7	4 21	14 19.59	- 8 36.4	1.661	2.661	2.5	20.7
5 1	14 11.05	- 7 44.9	2.252	3.250	2.8	20.7	5 1	14 9.91	- 7 43.0	1.664	2.663	3.5	20.8
5 11	14 4.05	- 6 31.8	2.259	3.226	6.2	20.9	5 11	14 0.84	- 6 57.1	1.695	2.664	7.6	21.0
5 21	13 57.99	- 5 28.3	2.294	3.202	9.5	21.1	5 21	13 53.29	- 6 23.5	1.751	2.665	11.6	21.3
5 31	13 53.41	- 4 37.8	2.352	3.177	12.4	21.2	5 31	13 47.91	- 6 4.9	1.829	2.665	15.0	21.5
425867	2011 <i>FW</i> ₆		4 26.0 52°82	5°0/28.8	17		188001	2001 <i>SP</i> ₂₄₁		4 26.0 211°40	0°5/25.6	18	
3 22	14 46.00	-24 2.3	1.672	2.476	16.6	20.2	3 22	14 39.90	-14 7.7	1.905	2.741	13.6	20.8
4 1	14 39.99	-25 4.8	1.601	2.487	13.3	20.0	4 1	14 34.94	-13 42.7	1.822	2.737	10.3	20.5
4 11	14 31.20	-25 52.6	1.552	2.498	9.6	19.8	4 11	14 27.85	-13 7.9	1.762	2.734	6.4	20.3
4 21	14 20.46	-26 23.0	1.527	2.509	6.2	19.6	4 21	14 19.29	-12 26.2	1.728	2.730	2.1	20.0
5 1	14 8.98	-26 35.1	1.528	2.520	5.1	19.6	5 1	14 10.20	-11 41.8	1.722	2.726	2.4	20.0
5 11	13 58.19	-26 32.1	1.556	2.532	7.5	19.7	5 11	14 1.61	-11 0.2	1.744	2.721	6.7	20.3
5 21	13 49.26	-26 19.2	1.609	2.544	11.0	19.9	5 21	13 54.41	-10 26.2	1.792	2.717	10.7	20.5
5 31	13 43.00	-26 3.1	1.685	2.556	14.4	20.2	5 31	13 49.26	-10 3.5	1.862	2.711	14.1	20.7
392622	2011 <i>UO</i> ₂₄		4 26.0 250°63	0°4/26.3	17		24037	1999 <i>SB</i> ₇		4 26.0 188°73	0°4/25.8	18	
3 22	14 40.33	-14 23.8	2.379	3.202	11.7	20.9	3 22	14 43.29	-13 52.6	2.088	2.913	13.0	19.6
4 1	14 34.88	-14 37.0	2.294	3.201	8.8	20.7	4 1	14 37.30	-13 37.5	2.003	2.913	9.8	19.4
4 11	14 27.64	-14 44.0	2.233	3.200	5.6	20.5	4 11	14 29.24	-13 14.0	1.942	2.911	6.1	19.1
4 21	14 19.17	-14 45.7	2.199	3.200	2.0	20.3	4 21	14 19.75	-12 44.4	1.908	2.909	2.0	18.9
5 1	14 10.25	-14 44.1	2.195	3.199	1.8	20.3	5 1	14 9.76	-12 12.0	1.903	2.906	2.2	18.9
5 11	14 1.72	-14 41.6	2.219	3.198	5.4	20.5	5 11	14 0.25	-11 41.3	1.927	2.903	6.3	19.1
5 21	13 54.31	-14 41.0	2.271	3.197	8.7	20.7	5 21	13 52.08	-11 16.3	1.978	2.898	10.1	19.3
5 31	13 48.61	-14 44.8	2.347	3.196	11.6	20.9	5 31	13 45.91	-11 0.6	2.052	2.893	13.4	19.5
406812	2008 <i>UD</i> ₃₂₃		4 26.0 340°74	2°0/27.4	14	C	218610	2005 <i>OK</i> ₁₅		4 26.0 274°39	0°2/26.1	17	
3 22	14 38.17	-21 17.6	1.274	2.118	18.5	21.1	3 22	14 38.23	-16 58.6	1.699	2.537	14.9	20.5
4 1	14 34.63	-20 48.9	1.199	2.115	14.4	20.8	4 1	14 34.07	-16 21.4	1.606	2.522	11.4	20.2
4 11	14 28.09	-19 57.4	1.144	2.113	9.5	20.5	4 11	14 27.51	-15 29.1	1.536	2.508	7.2	20.0
4 21	14 19.43	-18 45.4	1.112	2.110	4.3	20.2	4 21	14 19.23	-14 24.7	1.491	2.493	2.5	19.6
5 1	14 10.00	-17 19.5	1.104	2.108	2.9	20.1	5 1	14 10.24	-13 13.4	1.473	2.477	2.4	19.6
5 11	14 1.36	-15 49.7	1.120	2.107	8.1	20.4	5 11	14 1.70	-12 2.7	1.482	2.462	7.3	19.8
5 21	13 54.76	-14 26.9	1.160	2.105	13.3	20.7	5 21	13 54.66	-10 59.8	1.515	2.447	11.8	20.1
5 31	13 51.03	-13 19.7	1.219	2.104	17.7	21.0	5 31	13 49.89	-10 10.9	1.571	2.432	15.7	20.3
58353	1995 <i>EW</i> ₄		4 26.0 150°44	0°1/26.1	18		211432	2002 <i>XO</i> ₆₃		4 26.0 103°30	3°0/23.2	18	
3 22	14 33.19	-15 2.0	3.778	4.594	7.9	21.1	3 22	14 38.40	- 5 18.8	2.437	3.277	10.9	20.7
4 1	14 28.92	-14 45.2	3.695	4.600	5.9	20.9	4 1	14 33.14	- 4 39.9	2.379	3.297	8.1	20.5
4 11	14 23.66	-14 23.2	3.639	4.606	3.7	20.8	4 11	14 26.38	- 3 59.7	2.346	3.316	5.2	20.4
4 21	14 17.76	-13 57.5	3.611	4.612	1.3	20.6	4 21	14 18.71	- 3 21.8	2.341	3.335	3.1	20.3
5 1	14 11.67	-13 30.1	3.613	4.617	1.2	20.6	5 1	14 10.84	- 2 50.1	2.366	3.354	4.0	20.4
5 11	14 5.83	-13 3.2	3.646	4.623	3.6	20.8	5 11	14 3.49	- 2 27.7	2.419	3.372	6.7	20.6
5 21	14 0.65	-12 39.0	3.707	4.628	5.8	20.9	5 21	13 57.25	- 2 16.8	2.498	3.390	9.4	20.8
5 31	13 56.46	-12 19.5	3.794	4.632	7.8	21.1	5 31	13 52.56	- 2 18.1	2.600	3.408	11.8	21.0
11509	Thersilochos		4 26.0 246°46	0°1/25.9	18		88963	2001 <i>TX</i> ₅₃		4 26.0 247°01	2°5/24.1	18	
3 22	14 29.02	-15 12.8	4.764	5.581	6.3	17.7	3 22	14 39.48	- 9 6.1	1.922	2.767	13.2	20.3
4 1	14 25.71	-14 40.1	4.666	5.572	4.7	17.6	4 1	14 34.65	- 8 25.4	1.833	2.755	9.9	20.1
4 11	14 21.63	-14 2.8	4.595	5.564	2.9	17.4	4 11	14 27.69	- 7 38.1	1.769	2.742	6.2	19.8
4 21	14 17.08	-13 22.2	4.554	5.555	1.0	17.3	4 21	14 19.26	- 6 48.5	1.730	2.729	2.8	19.6
5 1	14 12.35	-12 40.2	4.543	5.546	1.0	17.3	5 1	14 10.23	- 6 1.7	1.720	2.716	3.9	19.6
5 11	14 7.80	-11 58.9	4.562	5.538	3.0	17.4	5 11	14 1.63	- 5 23.2	1.737	2.703	7.8	19.8
5 21	14 3.71	-11 20.4	4.611	5.529	4.8	17.5	5 21	13 54.34	- 4 57.2	1.779	2.689	11.6	20.0
5 31	14 0.36	-10 46.3	4.685	5.520	6.5	17.7	5 31	13 49.05	- 4 46.5	1.842	2.674	15.0	20.2
9174	1989 <i>WC</i> ₃		4 26.0 136°77	0°9/26.6	18		300213	2006 <i>WC</i> ₁₅₆		4 26.0 262°65			

EPHEMERIDES

4 26.0

4 26.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
131118	2001 BA ₄		4 26.0	31°60	5°1/29.2	17	212309	2005 OS ₁₁		4 26.0	159°69	5°7/19.8	18
3 22	14 41.22	-24 46.4	1.483	2.301	17.7	19.1	3 22	14 35.74	+ 3 23.4	2.435	3.281	10.7	20.2
4 1	14 36.56	-25 30.8	1.420	2.314	14.2	18.9	4 1	14 31.27	+ 4 29.5	2.371	3.283	8.4	20.0
4 11	14 29.11	-25 56.8	1.378	2.328	10.2	18.7	4 11	14 25.31	+ 5 32.0	2.332	3.285	6.5	19.9
4 21	14 19.75	-26 2.8	1.358	2.343	6.5	18.5	4 21	14 18.38	+ 6 25.7	2.320	3.287	5.7	19.9
5 1	14 9.79	-25 49.8	1.364	2.358	5.1	18.5	5 1	14 11.17	+ 7 5.9	2.336	3.288	6.8	19.9
5 11	14 0.64	-25 22.8	1.394	2.374	7.6	18.6	5 11	14 4.39	+ 7 29.3	2.378	3.290	8.9	20.1
5 21	13 53.44	-24 48.6	1.448	2.391	11.3	18.9	5 21	13 58.63	+ 7 34.6	2.445	3.291	11.2	20.2
5 31	13 48.96	-24 14.7	1.524	2.409	14.9	19.2	5 31	13 54.36	+ 7 22.3	2.532	3.292	13.3	20.4
430139	2013 TZ ₄₃		4 26.0	96°46	2°5/27.8	17	519628	2012 UH ₁₈₂		4 26.0	297°00	3°3/29.3	17
3 22	14 43.99	-20 12.7	1.981	2.791	14.2	21.2	3 22	14 36.75	-25 47.7	2.332	3.124	12.9	21.3
4 1	14 37.90	-20 37.3	1.911	2.806	11.0	21.0	4 1	14 32.37	-25 43.8	2.241	3.121	10.3	21.1
4 11	14 29.61	-20 50.3	1.863	2.821	7.4	20.8	4 11	14 26.17	-25 24.8	2.174	3.119	7.4	20.9
4 21	14 19.87	-20 51.4	1.842	2.836	3.8	20.6	4 21	14 18.72	-24 51.0	2.132	3.116	4.5	20.7
5 1	14 9.68	-20 42.2	1.849	2.850	2.8	20.6	5 1	14 10.82	-24 4.5	2.118	3.114	3.4	20.6
5 11	14 0.11	-20 26.4	1.884	2.864	6.0	20.8	5 11	14 3.35	-23 9.6	2.131	3.112	5.4	20.8
5 21	13 52.07	-20 8.2	1.945	2.878	9.5	21.1	5 21	13 57.05	-22 11.6	2.172	3.109	8.4	20.9
5 31	13 46.18	-19 52.4	2.031	2.892	12.7	21.3	5 31	13 52.51	-21 16.0	2.237	3.107	11.3	21.1
347289	2011 MV ₆		4 26.0	205°77	5°3/20.9	18	519873	2013 NJ ₃₁		4 26.0	207°84	3°4/28.6	17
3 22	14 37.16	+ 0 53.4	2.228	3.076	11.5	20.7	3 22	14 43.84	-23 30.2	2.244	3.035	13.3	22.1
4 1	14 32.49	+ 1 50.3	2.157	3.074	8.9	20.5	4 1	14 37.84	-23 57.5	2.149	3.030	10.6	21.9
4 11	14 26.13	+ 2 45.3	2.112	3.072	6.4	20.4	4 11	14 29.67	-24 12.4	2.078	3.024	7.5	21.7
4 21	14 18.67	+ 3 33.1	2.093	3.070	5.3	20.3	4 21	14 19.95	-24 14.0	2.033	3.019	4.5	21.5
5 1	14 10.86	+ 4 8.5	2.102	3.068	6.5	20.3	5 1	14 9.59	-24 2.8	2.016	3.012	3.5	21.5
5 11	14 3.49	+ 4 28.2	2.137	3.066	8.9	20.5	5 11	13 59.60	-23 41.9	2.028	3.005	5.9	21.6
5 21	13 57.26	+ 4 30.3	2.197	3.063	11.6	20.6	5 21	13 50.90	-23 15.6	2.068	2.998	9.2	21.8
5 31	13 52.67	+ 4 15.0	2.278	3.061	14.0	20.8	5 31	13 44.21	-22 48.9	2.131	2.990	12.3	22.0
350141	2011 SE ₆₁		4 26.0	272°52	3°2/29.4	17	308318	2005 MC ₁₈		4 26.0	209°80	3°3/21.5	18
3 22	14 36.35	-26 43.6	2.240	3.031	13.3	20.5	3 22	14 35.53	- 0 39.9	3.624	4.456	7.8	22.4
4 1	14 32.11	-26 19.6	2.150	3.029	10.7	20.3	4 1	14 30.70	+ 0 5.8	3.537	4.447	6.0	22.3
4 11	14 26.00	-25 37.9	2.083	3.028	7.6	20.1	4 11	14 24.80	+ 0 51.0	3.477	4.437	4.2	22.1
4 21	14 18.65	-24 39.4	2.041	3.026	4.6	20.0	4 21	14 18.20	+ 1 32.9	3.447	4.427	3.3	22.0
5 1	14 10.87	-23 27.3	2.027	3.024	3.3	19.9	5 1	14 11.35	+ 2 8.3	3.447	4.416	4.1	22.1
5 11	14 3.58	-22 7.2	2.041	3.022	5.5	20.0	5 11	14 4.73	+ 2 34.9	3.476	4.404	5.8	22.2
5 21	13 57.53	-20 45.4	2.082	3.020	8.7	20.2	5 21	13 58.78	+ 2 51.2	3.532	4.391	7.8	22.3
5 31	13 53.29	-19 28.5	2.148	3.018	11.7	20.4	5 31	13 53.86	+ 2 56.2	3.613	4.378	9.6	22.4
406576	2008 AU ₃₆		4 26.0	96°04	6°2/21.2	18	429585	2011 EQ ₃₆		4 26.0	55°36	4°2/28.5	17
3 22	14 41.07	- 0 46.1	1.667	2.522	14.3	21.1	3 22	14 44.67	-22 57.8	1.772	2.578	15.7	21.0
4 1	14 35.65	+ 0 34.6	1.622	2.543	10.9	21.0	4 1	14 38.90	-23 47.0	1.693	2.583	12.5	20.7
4 11	14 28.12	+ 1 53.3	1.599	2.564	7.7	20.8	4 11	14 30.52	-24 22.6	1.637	2.587	8.9	20.5
4 21	14 19.32	+ 3 2.5	1.603	2.584	6.2	20.8	4 21	14 20.27	-24 42.8	1.605	2.591	5.4	20.3
5 1	14 10.29	+ 3 55.1	1.633	2.604	7.5	20.9	5 1	14 9.29	-24 47.6	1.600	2.596	4.4	20.3
5 11	14 2.08	+ 4 26.5	1.689	2.623	10.5	21.1	5 11	13 58.89	-24 39.8	1.622	2.601	7.0	20.4
5 21	13 55.50	+ 4 35.4	1.768	2.642	13.6	21.3	5 21	13 50.16	-24 24.6	1.670	2.605	10.6	20.7
5 31	13 51.08	+ 4 22.7	1.867	2.660	16.3	21.6	5 31	13 43.93	-24 7.9	1.740	2.610	14.0	20.9
124906	2001 TQ ₅₉		4 26.0	233°46	1°0/25.3	18	118856	2000 SS ₂₉₉		4 26.1	112°16	4°8/30.2	18
3 22	14 41.71	-11 56.0	2.140	2.970	12.5	21.0	3 22	14 41.60	-28 52.1	2.481	3.246	12.9	20.0
4 1	14 36.18	-11 39.4	2.044	2.957	9.5	20.7	4 1	14 35.96	-29 28.1	2.398	3.254	10.6	19.8
4 11	14 28.60	-11 15.9	1.972	2.944	5.9	20.5	4 11	14 28.38	-29 49.7	2.337	3.262	8.0	19.7
4 21	14 19.57	-10 47.9	1.928	2.929	2.0	20.2	4 21	14 19.48	-29 55.6	2.303	3.270	5.7	19.5
5 1	14 9.93	-10 18.9	1.913	2.915	2.6	20.2	5 1	14 10.09	-29 46.1	2.296	3.277	4.8	19.5
5 11	14 0.66	- 9 53.1	1.926	2.899	6.5	20.4	5 11	14 1.13	-29 23.8	2.317	3.284	6.0	19.6
5 21	13 52.60	- 9 34.2	1.966	2.883	10.3	20.6	5 21	13 53.40	-28 53.0	2.365	3.292	8.4	19.7
5 31	13 46.44	- 9 25.2	2.029	2.867	13.6	20.8	5 31	13 47.52	-28 18.7	2.438	3.299	10.8	19.9
178567	1999 VL ₁₈₇		4 26.0	196°79	0°5/25.6	17	12893	Mommert		4 26.1	208°66	0°6/25.5	18
3 22	14 39.91	-15 23.0	1.867	2.701	14.0	20.8	3 22	14 37.66	-14 1.8	2.181	3.015	12.2	18.7
4 1	14 34.97	-14 37.7	1.785	2.699	10.5	20.6	4 1	14 33.01	-13 30.5	2.097	3.012	9.2	18.5
4 11	14 27.87	-13 40.0	1.725	2.697	6.5	20.3	4 11	14 26.54	-12 50.2	2.038	3.009	5.7	18.3
4 21	14 19.31	-12 33.4	1.692	2.694	2.2	20.0	4 21	14 18.85	-12 4.0	2.005	3.006	1.9	18.0
5 1	14 10.23	-11 23.6	1.687	2.690	2.5	20.1	5 1	14 10.73	-11 15.9	2.000	3.003	2.3	18.0
5 11	14 1.70	-10 17.3	1.710	2.687	6.9	20.3	5 11	14 3.05	-10 30.7	2.024	3.000	6.1	18.3
5 21	13 54.61	- 9 20.3	1.759	2.682	11.0	20.6	5 21	13 56.55	- 9 52.8	2.074	2.996	9.6	18.5
5 31	13 49.60	- 8 37.4	1.830	2.677	14.5	20.8	5 31	13 51.81	- 9 25.5	2.148	2.992	12.7	18.7
112058	2002 JR ₁₃		4 26.0	274°85	19°5/ 6.5	18	463415	2013 HV ₈₅		4 26.1	160°91	2°0/27.3	16
3 22	14 38.88	+20 24.1	1.048	1.903	20.9	18.8	3 22	14 44.78	-19 24.5	1.713	2.533	15.6	21.8
4 1	14 35.48	+24 2.2	1.019	1.898	19.7	18.7	4 1	14 38.89	-19 29.6	1.636	2.538	12.1	21.6
4 11	14 28.72	+27 11.1	1.008	1.893	19.6	18.7	4 11	14 30.43	-19 20.9	1.580	2.543	8.0	21.4
4 21	14 19.67	+29 31.4	1.017	1.889	20.8	18.7	4 21	14 20.22	-18 59.2	1.550	2.547	3.6	21.1
5 1	14 9.93	+30 50.8	1.041	1.884	22.7	18.8	5 1	14 9.39	-18 27.2	1.547	2.550	2.6	21.1
5 11	14 1.23	+31 7.1	1.080	1.879	25.0	19.0	5 11	13 59.21	-17 50.2	1.571	2.553	6.8	21.3
5 21	13 54.89	+30 26.2	1.129	1.875	27.2	19.1	5 21	13 50.76	-17 14.0	1.622	2.556	11.0	21.6
5 31	13 51.72	+28 58.2	1.188	1.870	29.1	19.3	5 31	13 44.77	-16 44.5	1.694	2.557	14.7	21.8
96808	1999 RS ₁₄₈		4 26.0	313°80	1°3/26.8	17	283532	2001 TW ₁₈₄		4 26.1	198°42	1°1/27.9	18
3 22	14 37.43	-17 40.3											

EPHEMERIDES

4 26.1

4 26.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
389152	2009 <i>BN</i> ₃₇		4 26.1 247°17	5°5/30.8	17		175096	2004 <i>JJ</i> ₃		4 26.1 300°77	1°0/25.2	17	
3 22	14 40.28	-30 37.0	2.238	3.004	14.1	21.3	3 22	14 36.82	-12 14.3	2.111	2.951	12.3	20.7
4 1	14 35.29	-31 4.8	2.144	2.999	11.7	21.2	4 1	14 32.49	-11 51.8	2.023	2.942	9.3	20.5
4 11	14 28.14	-31 15.4	2.072	2.994	9.1	21.0	4 11	14 26.29	-11 22.1	1.960	2.933	5.7	20.3
4 21	14 19.44	-31 7.2	2.024	2.988	6.6	20.8	4 21	14 18.80	-10 47.9	1.922	2.924	2.0	20.0
5 1	14 10.12	-30 40.5	2.003	2.983	5.5	20.7	5 1	14 10.81	-10 13.0	1.913	2.915	2.5	20.0
5 11	14 1.21	-29 58.5	2.009	2.978	6.7	20.8	5 11	14 3.22	-9 41.9	1.932	2.907	6.4	20.2
5 21	13 53.63	-29 6.5	2.041	2.972	9.3	20.9	5 21	13 56.80	-9 18.4	1.976	2.898	10.0	20.4
5 31	13 48.09	-28 11.2	2.097	2.966	12.0	21.1	5 31	13 52.15	-9 5.5	2.043	2.890	13.2	20.6
256690	2007 <i>YO</i> ₆₆		4 26.1 240°72	3°3/23.5	17		313631	2003 <i>ST</i> ₈		4 26.1 166°58	0°9/26.7	16	
3 22	14 41.03	-7 14.4	1.870	2.716	13.4	21.4	3 22	14 41.63	-18 20.5	1.814	2.639	14.7	21.9
4 1	14 35.89	-6 27.5	1.781	2.702	10.1	21.2	4 1	14 36.34	-17 56.0	1.735	2.642	11.2	21.7
4 11	14 28.53	-5 34.9	1.715	2.687	6.5	20.9	4 11	14 28.76	-17 17.7	1.679	2.646	7.2	21.5
4 21	14 19.58	-4 41.6	1.675	2.672	3.5	20.7	4 21	14 19.65	-16 27.8	1.649	2.649	2.8	21.2
5 1	14 9.99	-3 53.3	1.663	2.656	4.7	20.7	5 1	14 10.02	-15 30.7	1.646	2.651	2.2	21.1
5 11	14 0.82	-3 15.6	1.679	2.639	8.5	20.9	5 11	14 1.01	-14 32.6	1.672	2.653	6.5	21.4
5 21	13 53.01	-2 52.8	1.719	2.622	12.4	21.1	5 21	13 53.55	-13 39.8	1.723	2.654	10.6	21.7
5 31	13 47.28	-2 47.1	1.781	2.604	15.8	21.3	5 31	13 48.31	-12 57.5	1.797	2.655	14.2	21.9
452546	2004 <i>VD</i> ₃₇		4 26.1 354°29	2°0/27.7	16		253829	2003 <i>YG</i> ₈₀		4 26.1 126°95	2°2/27.8	18	
3 22	14 36.70	-22 55.1	1.316	2.155	18.3	20.5	3 22	14 42.87	-21 14.7	1.848	2.661	14.9	21.2
4 1	14 33.43	-22 6.1	1.241	2.154	14.3	20.2	4 1	14 37.20	-21 9.2	1.776	2.674	11.6	21.0
4 11	14 27.29	-20 51.2	1.186	2.152	9.5	20.0	4 11	14 29.25	-20 48.7	1.727	2.686	7.7	20.8
4 21	14 19.19	-19 13.6	1.153	2.151	4.3	19.7	4 21	14 19.79	-20 14.5	1.702	2.697	3.8	20.6
5 1	14 10.42	-17 21.1	1.146	2.151	2.8	19.6	5 1	14 9.90	-19 29.6	1.706	2.708	2.7	20.5
5 11	14 2.45	-15 25.4	1.164	2.150	7.8	19.8	5 11	14 0.68	-18 39.8	1.737	2.719	6.2	20.8
5 21	13 56.43	-13 38.6	1.205	2.151	12.9	20.1	5 21	13 53.08	-17 51.1	1.794	2.729	10.1	21.0
5 31	13 53.15	-12 10.0	1.267	2.151	17.3	20.4	5 31	13 47.72	-17 9.1	1.875	2.739	13.5	21.2
134876	2000 <i>QB</i> ₁₁₇		4 26.1 160°66	0°8/25.2	18		392142	Solheim		4 26.1 270°05	2°1/23.9	17	
3 22	14 36.80	-12 15.1	2.920	3.746	9.7	20.6	3 22	14 34.88	-10 14.5	2.299	3.142	11.3	21.2
4 1	14 31.86	-11 47.8	2.840	3.751	7.2	20.5	4 1	14 30.83	-9 19.1	2.215	3.136	8.4	21.0
4 11	14 25.60	-11 15.2	2.786	3.757	4.4	20.3	4 11	14 25.16	-8 16.9	2.157	3.131	5.2	20.8
4 21	14 18.49	-10 39.5	2.761	3.762	1.5	20.1	4 21	14 18.39	-7 12.0	2.126	3.125	2.3	20.6
5 1	14 11.11	-10 3.6	2.765	3.767	2.0	20.1	5 1	14 11.25	-6 9.4	2.123	3.119	3.4	20.6
5 11	14 4.10	-9 30.8	2.799	3.771	4.9	20.3	5 11	14 4.50	-5 14.1	2.149	3.114	6.6	20.8
5 21	13 57.97	-9 3.8	2.861	3.774	7.6	20.5	5 21	13 58.81	-4 30.2	2.200	3.108	9.8	21.0
5 31	13 53.16	-8 44.8	2.948	3.778	10.0	20.7	5 31	13 54.69	-4 0.4	2.275	3.102	12.7	21.2
336293	2008 <i>SV</i> ₂₈₉		4 26.1 271°97	1°3/24.9	17		147171	2002 <i>VK</i> ₂₈		4 26.1 244°22	0°8/26.7	18	
3 22	14 36.58	-13 58.2	1.990	2.830	13.0	20.9	3 22	14 39.75	-18 35.9	1.903	2.727	14.1	20.6
4 1	14 32.47	-12 58.4	1.893	2.812	9.8	20.7	4 1	14 35.01	-18 5.3	1.807	2.714	10.8	20.3
4 11	14 26.36	-11 46.2	1.821	2.795	6.0	20.4	4 11	14 28.02	-17 20.0	1.734	2.700	7.0	20.1
4 21	14 18.83	-10 25.7	1.775	2.777	2.1	20.1	4 21	14 19.44	-16 22.2	1.687	2.686	2.7	19.8
5 1	14 10.74	-9 3.0	1.758	2.759	3.0	20.1	5 1	14 10.20	-15 16.1	1.667	2.672	2.1	19.7
5 11	14 3.03	-7 45.1	1.769	2.741	7.1	20.4	5 11	14 1.39	-14 8.2	1.676	2.657	6.5	19.9
5 21	13 56.55	-6 38.2	1.805	2.723	11.1	20.5	5 21	13 53.96	-13 5.1	1.711	2.641	10.7	20.2
5 31	13 51.96	-5 47.0	1.864	2.704	14.5	20.7	5 31	13 48.65	-12 12.7	1.768	2.626	14.4	20.3
270592	2002 <i>LP</i> ₄₈		4 26.1 235°05	0°7/25.3	18		93034	2000 <i>RN</i> ₁₀₂		4 26.1 107°65	1°4/24.6	18	
3 22	14 36.96	-15 7.3	2.306	3.135	11.8	20.4	3 22	14 36.94	-15 43.0	1.852	2.691	13.8	19.3
4 1	14 32.45	-14 11.2	2.211	3.124	8.9	20.2	4 1	14 32.64	-14 6.7	1.779	2.697	10.3	19.1
4 11	14 26.19	-13 4.0	2.141	3.113	5.5	20.0	4 11	14 26.35	-12 15.5	1.730	2.704	6.3	18.8
4 21	14 18.74	-11 49.0	2.099	3.101	1.8	19.7	4 21	14 18.79	-10 15.6	1.708	2.710	2.2	18.6
5 1	14 10.85	-10 31.3	2.086	3.088	2.3	19.7	5 1	14 10.89	-8 15.6	1.716	2.716	3.2	18.7
5 11	14 3.34	-9 16.7	2.102	3.076	6.1	19.9	5 11	14 3.63	-6 24.6	1.752	2.722	7.4	18.9
5 21	13 56.93	-8 10.7	2.145	3.062	9.6	20.1	5 21	13 57.77	-4 49.9	1.814	2.728	11.2	19.2
5 31	13 52.18	-7 17.3	2.212	3.049	12.7	20.3	5 31	13 53.87	-3 35.9	1.899	2.733	14.5	19.4
162795	2000 <i>YF</i> ₅₂		4 26.1 145°08	2°4/28.1	18		248469	2005 <i>US</i> ₇₈		4 26.1 232°10	0°1/26.0	17	
3 22	14 43.56	-22 28.4	1.981	2.784	14.4	20.7	3 22	14 35.31	-16 39.6	2.970	3.786	9.8	21.6
4 1	14 37.60	-22 18.6	1.905	2.796	11.3	20.5	4 1	14 30.87	-15 53.2	2.868	3.773	7.4	21.4
4 11	14 29.44	-21 53.4	1.851	2.807	7.6	20.3	4 11	14 25.06	-14 57.6	2.793	3.760	4.6	21.2
4 21	14 19.85	-21 13.8	1.824	2.817	3.9	20.1	4 21	14 18.34	-13 54.9	2.746	3.747	1.6	21.0
5 1	14 9.82	-20 23.0	1.825	2.827	2.8	20.1	5 1	14 11.29	-12 48.8	2.729	3.733	1.6	20.9
5 11	14 0.45	-19 26.4	1.854	2.835	6.0	20.3	5 11	14 4.53	-11 43.4	2.743	3.719	4.7	21.1
5 21	13 52.62	-18 30.1	1.911	2.844	9.7	20.5	5 21	13 58.61	-10 42.8	2.785	3.704	7.6	21.3
5 31	13 46.95	-17 40.1	1.991	2.851	12.9	20.7	5 31	13 53.97	-9 50.5	2.852	3.689	10.1	21.5
403786	2011 <i>SS</i> ₁₆₆		4 26.1 215°79	2°4/27.6	16		159667	2002 <i>GT</i> ₁₅		4 26.1 257°83	3°6/22.6	18	
3 22	14 44.90	-20 28.0	1.737	2.552	15.6	22.0	3 22	14 36.04	-7 58.8	1.883	2.736	13.0	19.9
4 1	14 39.16	-20 36.1	1.646	2.545	12.2	21.7	4 1	14 32.01	-6 35.7	1.806	2.732	9.7	19.7
4 11	14 30.74	-20 29.9	1.578	2.538	8.2	21.5	4 11	14 26.01	-5 5.2	1.754	2.728	6.2	19.5
4 21	14 20.39	-20 9.3	1.534	2.530	4.0	21.2	4 21	14 18.71	-3 33.6	1.729	2.724	3.7	19.3
5 1	14 9.22	-19 36.4	1.518	2.521	2.9	21.1	5 1	14 10.96	-2 8.5	1.731	2.719	5.2	19.4
5 11	13 58.55	-18 56.4	1.529	2.511	6.9	21.3	5 11	14 3.73	-0 56.9	1.761	2.715	8.7	19.6
5 21	13 49.54	-18 15.4	1.566	2.501	11.3	21.6	5 21	13 57.79	-0 3.7	1.815	2.711	12.2	19.8
5 31	13 43.03	-17 39.9	1.626	2.490	15.2	21.8	5 31	13 53.74	+0 28.7	1.890	2.706	15.3	20.0
501475	2014 <i>BQ</i> ₄₈		4 26.1 57°50	7°4/18.0	17		289521	2005 <i>EY</i> ₁₈₁		4 26.1 345°23	3°0/24.5	17	

EPHEMERIDES

4 26.1

4 26.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
332103	2005 <i>UY</i> ₂₁₉	4 26.1 281°13		2°2/27.9 17			318279	2004 <i>TF</i> ₃₁	4 26.1 119°41		0°3/26.4 17		
3 22	14 37.67	-22 44.5	1.747	2.567	15.4	21.4	3 22	14 39.33	-17 42.5	2.304	3.121	12.2	21.0
4 1	14 33.71	-22 12.6	1.650	2.551	12.1	21.1	4 1	14 34.02	-17 2.3	2.235	3.140	9.2	20.8
4 11	14 27.34	-21 20.9	1.574	2.535	8.2	20.9	4 11	14 27.04	-16 11.2	2.191	3.157	5.8	20.7
4 21	14 19.24	-20 10.6	1.523	2.518	4.0	20.6	4 21	14 19.01	-15 12.0	2.174	3.175	2.1	20.4
5 1	14 10.42	-18 46.2	1.498	2.502	2.7	20.5	5 1	14 10.74	-14 9.0	2.187	3.191	1.8	20.4
5 11	14 2.06	-17 15.2	1.501	2.485	6.7	20.7	5 11	14 3.05	-13 7.4	2.229	3.207	5.4	20.7
5 21	13 55.19	-15 46.4	1.529	2.469	11.1	20.9	5 21	13 56.58	-12 11.9	2.298	3.223	8.7	20.9
5 31	13 50.60	-14 27.8	1.580	2.452	15.1	21.1	5 31	13 51.83	-11 26.3	2.392	3.238	11.5	21.2
363478	2003 <i>SU</i> ₃₀₅	4 26.1 228°38		2°0/27.6 16			328839	2009 <i>WE</i> ₆₀	4 26.1 73°78		2°3/23.4 17		
3 22	14 41.23	-21 19.8	1.835	2.650	14.9	22.0	3 22	14 34.82	- 5 25.1	3.013	3.852	9.1	21.3
4 1	14 36.23	-20 59.6	1.741	2.641	11.6	21.7	4 1	14 30.30	- 4 59.9	2.950	3.868	6.7	21.2
4 11	14 28.84	-20 22.8	1.670	2.631	7.8	21.5	4 11	14 24.60	- 4 33.8	2.913	3.883	4.3	21.0
4 21	14 19.73	-19 30.5	1.624	2.620	3.7	21.2	4 21	14 18.17	- 4 9.4	2.904	3.899	2.4	20.9
5 1	14 9.94	-18 26.3	1.605	2.609	2.5	21.1	5 1	14 11.55	- 3 49.4	2.925	3.915	3.2	21.0
5 11	14 0.64	-17 16.8	1.614	2.597	6.6	21.3	5 11	14 5.31	- 3 36.2	2.974	3.931	5.5	21.2
5 21	13 52.85	-16 9.0	1.650	2.585	10.8	21.5	5 21	13 59.90	- 3 31.4	3.051	3.946	7.8	21.4
5 31	13 47.31	-15 9.9	1.708	2.572	14.5	21.7	5 31	13 55.71	- 3 35.8	3.151	3.962	9.9	21.5
360391	2002 <i>DW</i> ₇	4 26.1 64°17		18°6/12.5 18			87099	2000 <i>LV</i> ₁₂	4 26.1 262°37		9°2/18.5 18		
3 22	14 44.76	+28 57.5	1.343	2.140	20.3	20.4	3 22	14 39.85	+ 8 46.9	1.765	2.611	14.1	19.3
4 1	14 38.89	+30 59.6	1.338	2.162	19.1	20.4	4 1	14 34.98	+10 3.8	1.701	2.605	11.6	19.1
4 11	14 30.24	+32 24.4	1.350	2.184	18.6	20.4	4 11	14 27.91	+11 11.8	1.660	2.598	9.7	19.0
4 21	14 20.06	+33 2.7	1.379	2.205	18.9	20.5	4 21	14 19.38	+12 2.6	1.643	2.591	9.3	19.0
5 1	14 9.83	+32 50.9	1.426	2.227	19.7	20.6	5 1	14 10.36	+12 29.4	1.651	2.584	10.6	19.0
5 11	14 0.97	+31 52.3	1.488	2.249	20.9	20.8	5 11	14 1.93	+12 28.8	1.683	2.577	13.0	19.1
5 21	13 54.40	+30 14.6	1.564	2.271	22.2	20.9	5 21	13 54.97	+12 0.7	1.736	2.570	15.6	19.3
5 31	13 50.61	+28 7.0	1.653	2.293	23.3	21.1	5 31	13 50.12	+11 8.0	1.807	2.562	18.1	19.5
219654	2001 <i>UR</i> ₁₇₃	4 26.1 191°47		0°8/25.4 17			266727	2009 <i>RX</i> ₃₁	4 26.1 134°55		2°6/28.1 17		
3 22	14 38.79	-14 17.4	1.867	2.705	13.8	21.1	3 22	14 41.01	-21 48.6	1.840	2.655	14.9	21.2
4 1	14 34.13	-13 38.2	1.787	2.705	10.3	20.9	4 1	14 35.95	-21 51.9	1.761	2.658	11.7	21.0
4 11	14 27.37	-12 48.3	1.731	2.704	6.4	20.6	4 11	14 28.58	-21 40.4	1.704	2.662	7.9	20.7
4 21	14 19.19	-11 51.1	1.701	2.703	2.1	20.4	4 21	14 19.63	-21 14.4	1.672	2.665	4.1	20.5
5 1	14 10.52	-10 51.8	1.699	2.702	2.6	20.4	5 1	14 10.11	-20 36.6	1.667	2.668	3.0	20.4
5 11	14 2.39	- 9 56.7	1.724	2.700	6.9	20.7	5 11	14 1.19	-19 52.2	1.689	2.671	6.3	20.7
5 21	13 55.67	- 9 11.0	1.775	2.699	10.8	20.9	5 21	13 53.80	-19 7.1	1.737	2.674	10.2	20.9
5 31	13 50.98	- 8 38.7	1.848	2.697	14.3	21.1	5 31	13 48.65	-18 27.2	1.808	2.677	13.6	21.1
93360	2000 <i>ST</i> ₂₆₂	4 26.1 196°80		1°6/24.5 18			212983	2009 <i>CW</i> ₅₂	4 26.1 322°43		3°2/24.1 17		
3 22	14 39.78	- 9 57.3	2.558	3.388	10.8	21.2	3 22	14 36.22	- 9 52.7	1.207	2.081	17.4	20.7
4 1	14 34.33	- 9 23.7	2.471	3.384	8.0	21.0	4 1	14 33.34	- 9 9.0	1.127	2.063	13.1	20.4
4 11	14 27.26	- 8 44.9	2.408	3.380	5.0	20.8	4 11	14 27.48	- 8 14.2	1.067	2.046	8.2	20.1
4 21	14 19.12	- 8 4.0	2.375	3.375	2.0	20.6	4 21	14 19.38	- 7 14.2	1.029	2.030	3.7	19.7
5 1	14 10.59	- 7 24.4	2.371	3.369	2.8	20.6	5 1	14 10.30	- 6 17.6	1.015	2.014	5.2	19.8
5 11	14 2.44	- 6 50.2	2.397	3.362	6.0	20.8	5 11	14 1.78	- 5 33.4	1.024	2.000	10.5	20.0
5 21	13 55.31	- 6 24.3	2.450	3.355	9.1	21.0	5 21	13 55.17	- 5 8.1	1.054	1.986	15.7	20.3
5 31	13 49.73	- 6 9.0	2.527	3.347	11.8	21.2	5 31	13 51.41	- 5 5.6	1.102	1.973	20.3	20.5
370988	2005 <i>SD</i> ₂₉₁	4 26.1 209°59		0°2/26.2 17			235974	2005 <i>EL</i> ₂₅₆	4 26.1 83°75		0°4/26.4 18		
3 22	14 38.23	-17 49.6	1.981	2.809	13.5	21.5	3 22	14 37.81	-16 32.8	2.034	2.864	13.1	20.9
4 1	14 33.65	-17 1.1	1.895	2.805	10.3	21.3	4 1	14 33.25	-16 11.7	1.956	2.867	9.9	20.7
4 11	14 27.05	-15 58.4	1.832	2.801	6.5	21.0	4 11	14 26.76	-15 39.8	1.901	2.870	6.3	20.5
4 21	14 19.08	-14 44.8	1.796	2.797	2.3	20.8	4 21	14 18.98	-14 59.6	1.872	2.873	2.3	20.2
5 1	14 10.63	-13 25.6	1.788	2.792	2.1	20.7	5 1	14 10.77	-14 14.9	1.871	2.876	1.9	20.2
5 11	14 2.69	-12 7.6	1.809	2.788	6.3	21.0	5 11	14 3.08	-13 30.7	1.898	2.879	6.0	20.5
5 21	13 56.09	-10 57.2	1.855	2.782	10.3	21.2	5 21	13 56.67	-12 51.7	1.951	2.881	9.7	20.7
5 31	13 51.44	- 9 59.7	1.925	2.777	13.7	21.4	5 31	13 52.14	-12 22.0	2.028	2.884	12.9	20.9
134410	1998 <i>FF</i> ₈	4 26.1 91°82		1°1/26.9 18			198810	2005 <i>EK</i> ₂₀₁	4 26.1 80°78		4°9/22.7 17		
3 22	14 38.78	-17 54.7	2.252	3.072	12.4	20.3	3 22	14 42.15	+ 0 9.5	1.953	2.798	13.0	19.8
4 1	14 33.76	-17 49.5	2.178	3.082	9.4	20.2	4 1	14 36.35	+ 0 31.8	1.892	2.808	9.9	19.7
4 11	14 26.97	-17 34.5	2.128	3.093	6.1	20.0	4 11	14 28.58	+ 0 50.6	1.855	2.819	6.9	19.5
4 21	14 19.02	-17 11.0	2.105	3.104	2.5	19.7	4 21	14 19.57	+ 1 1.5	1.844	2.829	5.0	19.4
5 1	14 10.71	-16 41.8	2.110	3.114	1.9	19.7	5 1	14 10.24	+ 1 0.9	1.861	2.840	6.0	19.5
5 11	14 2.91	-16 10.9	2.143	3.124	5.3	20.0	5 11	14 1.54	+ 0 46.3	1.905	2.850	8.8	19.7
5 21	13 56.32	-15 42.1	2.204	3.135	8.7	20.2	5 21	13 54.26	+ 0 17.2	1.974	2.860	11.8	19.9
5 31	13 51.49	-15 19.2	2.288	3.145	11.6	20.4	5 31	13 48.95	- 0 25.8	2.065	2.871	14.5	20.1
34134	Zlokapa	4 26.1 197°07		0°1/26.2 18			212448	2006 <i>PT</i> ₄₁	4 26.1 178°65		3°9/21.9 17		
3 22	14 39.77	-15 43.3	2.014	2.844	13.3	20.0	3 22	14 36.27	- 3 5.0	2.474	3.319	10.6	21.1
4 1	14 34.77	-15 22.5	1.931	2.842	10.0	19.7	4 1	14 31.69	- 2 4.7	2.401	3.320	8.0	21.0
4 11	14 27.74	-14 51.3	1.871	2.840	6.3	19.5	4 11	14 25.61	- 1 3.3	2.354	3.321	5.4	20.8
4 21	14 19.32	-14 12.1	1.837	2.838	2.2	19.2	4 21	14 18.56	- 0 5.4	2.334	3.321	3.9	20.7
5 1	14 10.40	-13 28.7	1.831	2.836	2.1	19.2	5 1	14 11.20	+ 0 44.3	2.344	3.321	5.0	20.8
5 11	14 1.97	-12 46.2	1.854	2.833	6.2	19.5	5 11	14 4.24	+ 1 21.8	2.381	3.321	7.5	20.9
5 21	13 54.87	-12 9.3	1.902	2.830	10.0	19.7	5 21	13 58.30	+ 1 44.8	2.443	3.320	10.2	21.1
5 31	13 49.72	-11 42.0	1.974	2.826	13.4	19.9	5 31	13 53.83	+ 1 52.3	2.528	3.320	12.6	21.3
39274	2001 <i>AP</i> ₃₄	4 26.1 292°82		1°1/25.4 18			498667	2008 <i>SS</i> ₁₄₁	4 26.1 129°07		0°9/26.9 17		
3 22	14 41.84	-11 35											

EPHEMERIDES

4 26.1

4 26.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
77356	2001 <i>FS</i> ₁₂₃		4 26.1 131°73	0°8/25.3 18			213204	2000 <i>TR</i> ₁₃		4 26.1 173°05	0°7/25.3 17		
3 22	14 37.75	-14 12.4	2.173	3.005	12.3	20.1	3 22	14 35.56	-14 13.5	2.556	3.385	10.8	20.8
4 1	14 33.00	-13 26.9	2.099	3.013	9.2	19.9	4 1	14 31.19	-13 29.1	2.474	3.386	8.1	20.6
4 11	14 26.50	-12 32.1	2.050	3.022	5.6	19.7	4 11	14 25.32	-12 36.6	2.416	3.388	4.9	20.4
4 21	14 18.87	-11 31.6	2.028	3.029	1.9	19.5	4 21	14 18.49	-11 38.8	2.387	3.389	1.6	20.1
5 1	14 10.92	-10 30.1	2.034	3.037	2.4	19.5	5 1	14 11.35	-10 39.8	2.387	3.389	2.1	20.2
5 11	14 3.49	-9 33.0	2.070	3.044	6.1	19.8	5 11	14 4.60	-9 44.1	2.416	3.390	5.4	20.4
5 21	13 57.28	-8 44.7	2.132	3.051	9.5	20.0	5 21	13 58.83	-8 55.7	2.472	3.390	8.5	20.6
5 31	13 52.80	-8 8.7	2.217	3.057	12.5	20.2	5 31	13 54.54	-8 17.7	2.553	3.390	11.2	20.8
221609	2006 <i>WH</i> ₁₉₈		4 26.1 187°91	0°3/25.9 17			341926	2008 <i>LW</i>		4 26.1 262°61	0°6/25.1 17		
3 22	14 40.50	-15 1.8	2.067	2.895	13.0	21.8	3 22	14 29.19	-12 17.4	4.596	5.421	6.4	21.9
4 1	14 35.26	-14 34.5	1.983	2.894	9.8	21.6	4 1	14 25.90	-11 47.6	4.501	5.413	4.8	21.7
4 11	14 28.02	-13 57.2	1.923	2.894	6.1	21.4	4 11	14 21.83	-11 14.1	4.434	5.405	2.9	21.6
4 21	14 19.43	-13 12.6	1.891	2.892	2.1	21.1	4 21	14 17.27	-10 38.6	4.396	5.397	1.0	21.4
5 1	14 10.37	-12 24.8	1.886	2.890	2.2	21.1	5 1	14 12.53	-10 2.9	4.388	5.389	1.3	21.5
5 11	14 1.81	-11 38.9	1.911	2.888	6.2	21.4	5 11	14 7.96	-9 29.0	4.410	5.381	3.3	21.6
5 21	13 54.55	-10 59.5	1.961	2.885	10.0	21.6	5 21	14 3.87	-8 58.9	4.460	5.372	5.1	21.7
5 31	13 49.21	-10 30.6	2.035	2.881	13.2	21.8	5 31	14 0.52	-8 34.1	4.536	5.364	6.8	21.8
425394	2010 <i>CU</i> ₇₆		4 26.1 33°82	5°2/20.9 17			270432	2002 <i>CR</i> ₈₇		4 26.1 94°36	5°2/30.1 17		
3 22	14 34.91	-3 49.4	1.808	2.669	13.1	20.7	3 22	14 42.09	-28 13.2	1.875	2.661	15.7	20.8
4 1	14 31.15	-2 12.3	1.746	2.673	9.9	20.5	4 1	14 36.87	-28 40.0	1.797	2.669	12.8	20.7
4 11	14 25.46	-0 32.1	1.708	2.678	6.8	20.3	4 11	14 29.22	-28 48.2	1.741	2.676	9.6	20.5
4 21	14 18.54	+1 3.5	1.697	2.683	5.2	20.2	4 21	14 19.90	-28 36.5	1.709	2.684	6.5	20.3
5 1	14 11.27	+2 26.4	1.712	2.687	6.8	20.3	5 1	14 9.98	-28 5.9	1.703	2.691	5.2	20.2
5 11	14 4.57	+3 30.1	1.754	2.693	9.8	20.5	5 11	14 0.69	-27 20.8	1.723	2.699	7.0	20.4
5 21	13 59.19	+4 11.3	1.819	2.698	13.0	20.7	5 21	13 53.02	-26 27.9	1.770	2.706	10.1	20.6
5 31	13 55.70	+4 29.2	1.904	2.704	15.8	20.9	5 31	13 47.71	-25 34.4	1.839	2.713	13.2	20.8
253372	2003 <i>HM</i> ₁₂		4 26.1 334°23	7°1/19.3 17			378864	2008 <i>TS</i> ₉₆		4 26.1 146°01	2°7/28.4 17		
3 22	14 31.87	+0 22.4	1.675	2.545	13.5	19.6	3 22	14 39.21	-23 0.6	2.004	2.812	14.1	21.1
4 1	14 29.21	+1 58.0	1.597	2.525	10.5	19.4	4 1	14 34.45	-22 53.8	1.921	2.814	11.1	20.9
4 11	14 24.47	+3 34.8	1.542	2.506	8.0	19.2	4 11	14 27.60	-22 31.5	1.861	2.816	7.6	20.6
4 21	14 18.26	+5 4.4	1.512	2.488	7.1	19.1	4 21	14 19.32	-21 54.7	1.827	2.818	4.1	20.4
5 1	14 11.49	+6 17.6	1.507	2.470	8.8	19.2	5 1	14 10.56	-21 6.2	1.819	2.820	2.9	20.4
5 11	14 5.14	+7 7.6	1.527	2.454	11.9	19.3	5 11	14 2.32	-20 11.1	1.840	2.822	5.9	20.5
5 21	14 0.10	+7 30.8	1.567	2.438	15.1	19.4	5 21	13 55.47	-19 15.5	1.887	2.824	9.5	20.8
5 31	13 57.04	+7 26.9	1.626	2.424	18.1	19.6	5 31	13 50.65	-18 25.2	1.957	2.826	12.8	21.0
213011	1995 <i>OT</i> ₁₂		4 26.1 87°49	0°2/25.9 17			158468	2002 <i>CH</i> ₂₄₇		4 26.1 339°73	1°5/24.9 18		
3 22	14 40.16	-15 19.0	1.541	2.385	15.9	20.7	3 22	14 37.52	-12 17.7	1.736	2.585	14.2	19.7
4 1	14 35.59	-14 53.1	1.467	2.386	12.0	20.4	4 1	14 33.34	-11 39.6	1.660	2.583	10.6	19.4
4 11	14 28.49	-14 14.4	1.414	2.387	7.5	20.2	4 11	14 26.98	-10 51.9	1.606	2.581	6.5	19.2
4 21	14 19.64	-13 26.2	1.386	2.388	2.5	19.9	4 21	14 19.13	-9 59.0	1.577	2.579	2.3	18.9
5 1	14 10.20	-12 33.9	1.385	2.389	2.6	19.9	5 1	14 10.76	-9 6.2	1.576	2.577	3.2	19.0
5 11	14 1.42	-11 44.4	1.410	2.390	7.6	20.2	5 11	14 2.95	-8 19.8	1.601	2.576	7.5	19.2
5 21	13 54.36	-11 3.8	1.459	2.391	12.1	20.4	5 21	13 56.59	-7 44.7	1.651	2.575	11.5	19.4
5 31	13 49.75	-10 36.8	1.529	2.392	16.0	20.7	5 31	13 52.33	-7 24.3	1.722	2.574	15.0	19.7
268116	2004 <i>TL</i> ₁₂		4 26.1 301°62	7°9/1.0 17			118100	2224 <i>T-3</i>		4 26.1 49°84	2°4/27.8 18		
3 22	14 41.94	-32 1.5	1.726	2.501	17.3	20.5	3 22	14 40.48	-20 48.9	1.679	2.503	15.7	19.6
4 1	14 37.46	-33 0.3	1.627	2.484	14.7	20.3	4 1	14 35.78	-20 50.0	1.601	2.505	12.2	19.3
4 11	14 30.04	-33 39.6	1.549	2.467	11.8	20.0	4 11	14 28.60	-20 35.7	1.544	2.506	8.2	19.1
4 21	14 20.31	-33 54.7	1.492	2.450	9.1	19.8	4 21	14 19.71	-20 6.8	1.512	2.507	4.0	18.9
5 1	14 9.43	-33 43.4	1.460	2.433	7.9	19.7	5 1	14 10.20	-19 26.5	1.506	2.509	2.8	18.8
5 11	13 58.89	-33 8.2	1.452	2.417	9.2	19.7	5 11	14 1.31	-18 40.3	1.526	2.510	6.7	19.0
5 21	13 50.05	-32 15.4	1.469	2.401	12.1	19.9	5 21	13 54.05	-17 54.7	1.572	2.512	10.9	19.3
5 31	13 43.97	-31 14.3	1.507	2.385	15.4	20.0	5 31	13 49.17	-17 15.9	1.640	2.513	14.6	19.5
408803	2000 <i>SZ</i> ₁₄₃		4 26.1 210°60	4°2/28.9 16			345672	2006 <i>UN</i> ₅₆		4 26.1 123°37	1°4/27.6 17		
3 22	14 45.01	-25 16.7	1.904	2.696	15.3	21.9	3 22	14 36.71	-20 58.7	2.353	3.163	12.2	21.0
4 1	14 39.15	-25 37.5	1.811	2.690	12.3	21.7	4 1	14 32.21	-20 27.6	2.272	3.170	9.4	20.8
4 11	14 30.73	-25 42.1	1.739	2.684	8.9	21.4	4 11	14 26.03	-19 43.6	2.215	3.176	6.2	20.6
4 21	14 20.45	-25 28.9	1.692	2.676	5.5	21.2	4 21	14 18.76	-18 48.5	2.185	3.182	2.8	20.4
5 1	14 9.37	-24 58.9	1.673	2.668	4.3	21.1	5 1	14 11.15	-17 46.2	2.184	3.188	1.9	20.3
5 11	13 58.77	-24 16.3	1.682	2.659	6.8	21.3	5 11	14 4.03	-16 41.7	2.212	3.193	5.1	20.6
5 21	13 49.73	-23 27.3	1.716	2.650	10.5	21.5	5 21	13 58.05	-15 40.1	2.266	3.199	8.4	20.8
5 31	13 43.09	-22 39.2	1.774	2.640	14.0	21.7	5 31	13 53.73	-14 46.1	2.346	3.204	11.3	21.0
127794	2003 <i>FA</i> ₇₃		4 26.1 108°94	2°9/24.1 18			157028	2003 <i>QH</i> ₁₀₃		4 26.1 195°14	0°4/25.7 18		
3 22	14 40.79	-10 4.3	1.421	2.278	16.2	19.9	3 22	14 36.47	-12 55.2	3.098	3.920	9.3	20.2
4 1	14 36.08	-9 8.7	1.357	2.285	12.1	19.7	4 1	14 31.65	-12 43.4	3.009	3.918	6.9	20.1
4 11	14 28.77	-8 3.9	1.315	2.291	7.5	19.4	4 11	14 25.55	-12 26.6	2.946	3.916	4.3	19.9
4 21	14 19.72	-6 56.2	1.297	2.297	3.4	19.2	4 21	14 18.59	-12 6.4	2.912	3.913	1.4	19.7
5 1	14 10.16	-5 53.3	1.305	2.303	4.7	19.3	5 1	14 11.32	-11 45.1	2.907	3.910	1.6	19.7
5 11	14 1.40	-5 2.9	1.339	2.308	9.2	19.6	5 11	14 4.35	-11 25.3	2.933	3.907	4.5	19.9
5 21	13 54.47	-4 30.1	1.396	2.314	13.6	19.8	5 21	13 58.19	-11 9.5	2.986	3.904	7.2	20.1
5 31	13 50.08	-4 17.3	1.472	2.319	17.4	20.1	5 31	13 53.26	-10 59.6	3.065	3.900	9.5	20.2
37318	2001 <i>QZ</i> ₃₁		4 26.1 193°80	5°6/20.6 18									

EPHEMERIDES

4 26.1

4 26.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
123837	2001 <i>CO</i> ₂₀		4 26.1 230°07	19°1/12.8	18		498662	2008 <i>SQ</i> ₁₂₇		4 26.1 172°22	2°4/28.6	17	
3 22	14 50.34	+26 37.2	1.262	2.066	21.0	19.2	3 22	14 38.94	-24 26.4	2.405	3.197	12.5	21.6
4 1	14 43.80	+28 29.1	1.221	2.060	19.7	19.1	4 1	14 33.91	-24 0.1	2.317	3.200	9.8	21.4
4 11	14 33.80	+29 48.9	1.198	2.054	19.1	19.0	4 11	14 27.12	-23 18.6	2.252	3.203	6.8	21.2
4 21	14 21.50	+30 23.0	1.191	2.047	19.4	19.0	4 21	14 19.16	-22 23.1	2.215	3.205	3.7	21.0
5 1	14 8.59	+30 3.0	1.203	2.040	20.6	19.1	5 1	14 10.83	-21 16.9	2.206	3.206	2.6	20.9
5 11	13 56.89	+28 49.0	1.231	2.033	22.4	19.2	5 11	14 2.98	-20 5.1	2.226	3.207	5.1	21.1
5 21	13 47.72	+26 48.2	1.274	2.025	24.4	19.3	5 21	13 56.32	-18 53.2	2.274	3.208	8.3	21.3
5 31	13 41.88	+24 11.1	1.331	2.017	26.3	19.4	5 31	13 51.38	-17 46.8	2.347	3.208	11.2	21.5
238448	2004 <i>PN</i> ₇₅		4 26.1 274°16	0°4/25.8	17		203380	2001 <i>XP</i> ₆₁		4 26.1 174°84	2°3/24.5	18	
3 22	14 40.34	-16 6.8	1.530	2.372	16.0	20.5	3 22	14 42.30	-10 23.2	1.671	2.517	14.8	20.8
4 1	14 36.12	-15 26.2	1.430	2.349	12.3	20.2	4 1	14 36.97	-9 40.4	1.597	2.519	11.1	20.6
4 11	14 29.11	-14 28.8	1.352	2.325	7.8	19.8	4 11	14 29.26	-8 49.4	1.547	2.521	6.8	20.4
4 21	14 20.00	-13 17.7	1.298	2.300	2.7	19.5	4 21	14 19.94	-7 55.0	1.521	2.522	2.8	20.1
5 1	14 9.89	-11 58.7	1.271	2.275	2.9	19.4	5 1	14 10.09	-7 3.2	1.524	2.522	3.9	20.2
5 11	14 0.15	-10 40.8	1.270	2.249	8.3	19.7	5 11	14 0.88	-6 20.3	1.553	2.523	8.2	20.4
5 21	13 52.02	-9 32.5	1.293	2.223	13.5	19.9	5 21	13 53.29	-5 50.9	1.607	2.522	12.3	20.7
5 31	13 46.48	-8 40.9	1.336	2.197	18.0	20.1	5 31	13 48.01	-5 37.8	1.682	2.521	15.9	20.9
472611	2015 <i>DA</i> ₁₆₂		4 26.1 100°61	5°4/21.7	16		271791	2004 <i>TB</i> ₄₈		4 26.1 268°62	0°5/26.4	17	
3 22	14 40.40	+ 0 19.8	2.003	2.850	12.6	21.3	3 22	14 42.15	-15 9.8	1.973	2.800	13.6	21.2
4 1	14 34.96	+ 1 11.8	1.950	2.867	9.7	21.2	4 1	14 36.87	-15 15.4	1.872	2.782	10.4	20.9
4 11	14 27.70	+ 2 1.0	1.921	2.883	6.8	21.0	4 11	14 29.29	-15 12.6	1.794	2.763	6.6	20.7
4 21	14 19.32	+ 2 41.9	1.919	2.900	5.4	21.0	4 21	14 20.01	-15 2.4	1.743	2.744	2.5	20.4
5 1	14 10.69	+ 3 9.7	1.945	2.916	6.5	21.1	5 1	14 9.94	-14 47.2	1.720	2.724	2.1	20.3
5 11	14 2.72	+ 3 21.1	1.997	2.931	9.1	21.2	5 11	14 0.18	-14 30.5	1.724	2.704	6.5	20.5
5 21	13 56.10	+ 3 15.2	2.073	2.946	11.9	21.4	5 21	13 51.71	-14 16.7	1.755	2.684	10.6	20.7
5 31	13 51.34	+ 2 52.4	2.170	2.961	14.4	21.7	5 31	13 45.33	-14 9.5	1.809	2.664	14.3	20.9
114883	2003 <i>QV</i> ₁₄		4 26.1 107°58	3°3/28.5	18		438400	2006 <i>UK</i> ₁₅₁		4 26.1 267°28	1°0/27.1	17	
3 22	14 41.49	-23 52.1	1.568	2.385	17.0	20.0	3 22	14 35.88	-19 42.9	2.262	3.081	12.4	21.6
4 1	14 36.67	-23 44.3	1.495	2.392	13.4	19.7	4 1	14 31.71	-19 8.9	2.176	3.079	9.5	21.4
4 11	14 29.19	-23 16.6	1.443	2.399	9.2	19.5	4 11	14 25.80	-18 22.0	2.113	3.077	6.1	21.1
4 21	14 19.92	-22 29.7	1.414	2.406	5.0	19.3	4 21	14 18.72	-17 24.4	2.077	3.075	2.6	20.9
5 1	14 10.08	-21 27.5	1.411	2.413	3.5	19.2	5 1	14 11.25	-16 20.1	2.069	3.074	1.8	20.8
5 11	14 0.99	-20 17.2	1.435	2.419	7.0	19.4	5 11	14 4.22	-15 14.3	2.090	3.072	5.4	21.1
5 21	13 53.74	-19 7.3	1.484	2.426	11.2	19.7	5 21	13 58.33	-14 12.5	2.138	3.070	8.8	21.3
5 31	13 49.06	-18 5.5	1.555	2.432	15.0	19.9	5 31	13 54.13	-13 19.3	2.209	3.068	11.9	21.5
498672	2008 <i>SO</i> ₁₇₄		4 26.1 184°20	0°7/25.4	18		7336	Saunders		4 26.1 264°17	2°5/23.9	18	
3 22	14 37.72	-15 4.6	2.462	3.286	11.3	22.1	3 22	14 43.15	- 9 50.9	2.133	2.965	12.5	23.6
4 1	14 32.87	-14 8.1	2.376	3.286	8.5	21.9	4 1	14 37.52	- 8 53.4	2.016	2.930	9.5	23.3
4 11	14 26.41	-13 1.8	2.316	3.286	5.2	21.7	4 11	14 29.68	- 7 46.3	1.923	2.894	6.0	23.0
4 21	14 18.90	-11 48.9	2.284	3.285	1.7	21.5	4 21	14 20.16	- 6 33.6	1.858	2.856	2.8	22.7
5 1	14 11.06	-10 34.2	2.282	3.284	2.2	21.5	5 1	14 9.79	- 5 21.0	1.822	2.817	4.0	22.7
5 11	14 3.65	- 9 23.0	2.309	3.282	5.7	21.8	5 11	13 59.58	- 4 15.0	1.816	2.777	8.0	22.9
5 21	13 57.30	- 8 20.0	2.365	3.280	8.9	21.9	5 21	13 50.50	- 3 21.4	1.837	2.735	11.9	23.0
5 31	13 52.53	- 7 29.0	2.444	3.277	11.7	22.1	5 31	13 43.32	- 2 44.2	1.881	2.692	15.5	23.2
205673	2001 <i>XA</i> ₂₀₁		4 26.1 160°10	1°1/25.3	17		164315	2005 <i>AW</i> ₂₉		4 26.1 171°19	1°8/24.6	18	
3 22	14 42.04	-14 5.8	1.756	2.592	14.6	21.5	3 22	14 38.50	-10 12.6	2.033	2.876	12.6	20.6
4 1	14 36.65	-13 18.0	1.682	2.599	10.9	21.3	4 1	14 33.76	- 9 39.8	1.956	2.876	9.4	20.4
4 11	14 28.98	-12 18.7	1.632	2.604	6.7	21.0	4 11	14 27.11	- 9 0.8	1.903	2.877	5.8	20.2
4 21	14 19.82	-11 12.1	1.608	2.609	2.3	20.8	4 21	14 19.18	- 8 19.3	1.877	2.878	2.4	19.9
5 1	14 10.20	-10 4.2	1.612	2.614	2.9	20.8	5 1	14 10.83	- 7 39.8	1.879	2.878	3.2	20.0
5 11	14 1.24	- 9 1.9	1.643	2.617	7.4	21.1	5 11	14 2.97	- 7 7.0	1.909	2.878	6.9	20.2
5 21	13 53.85	- 8 11.0	1.700	2.620	11.5	21.3	5 21	13 56.38	- 6 44.4	1.964	2.879	10.4	20.4
5 31	13 48.69	- 7 35.4	1.779	2.623	15.0	21.6	5 31	13 51.64	- 6 34.4	2.041	2.879	13.5	20.6
177865	2005 <i>QU</i> ₂₀		4 26.1 283°30	5°2/20.7	18		491742	2012 <i>VH</i> ₃₆		4 26.1 98°97	4°9/22.4	15	
3 22	14 35.21	+ 0 24.8	2.239	3.091	11.3	20.4	3 22	14 42.13	+ 2 14.5	2.346	3.182	11.4	21.0
4 1	14 31.19	+ 0 45.6	2.157	3.077	8.7	20.2	4 1	14 36.04	+ 2 32.7	2.285	3.194	8.8	20.8
4 11	14 25.48	+ 1 56.4	2.100	3.063	6.3	20.0	4 11	14 28.30	+ 2 46.4	2.249	3.207	6.3	20.7
4 21	14 18.62	+ 3 1.9	2.070	3.049	5.2	19.9	4 21	14 19.54	+ 2 51.9	2.241	3.219	4.9	20.6
5 1	14 11.33	+ 3 56.2	2.067	3.034	6.5	20.0	5 1	14 10.53	+ 2 46.1	2.261	3.232	5.7	20.7
5 11	14 4.40	+ 4 34.7	2.091	3.020	9.0	20.1	5 11	14 2.06	+ 2 27.4	2.309	3.244	8.0	20.8
5 21	13 58.51	+ 4 54.8	2.139	3.006	11.8	20.3	5 21	13 54.81	+ 1 55.6	2.384	3.256	10.6	21.0
5 31	13 54.23	+ 4 55.8	2.208	2.992	14.4	20.4	5 31	13 49.24	+ 1 11.4	2.481	3.268	12.9	21.2
433478	2013 <i>WK</i> ₄		4 26.1 137°92	0°9/25.4	17		115247	2003 <i>SS</i> ₁₅₅		4 26.1 186°29	0°4/25.8	16	
3 22	14 40.31	-12 16.7	2.097	2.931	12.6	21.5	3 22	14 41.91	-14 49.0	1.977	2.805	13.5	21.8
4 1	14 35.03	-11 59.5	2.022	2.937	9.5	21.3	4 1	14 36.42	-14 18.0	1.894	2.805	10.2	21.6
4 11	14 27.85	-11 35.5	1.971	2.943	5.8	21.1	4 11	14 28.82	-13 36.5	1.835	2.805	6.3	21.3
4 21	14 19.42	-11 7.4	1.947	2.949	2.0	20.8	4 21	14 19.79	-12 47.5	1.802	2.804	2.1	21.1
5 1	14 10.59	-10 38.7	1.952	2.954	2.4	20.9	5 1	14 10.25	-11 55.3	1.798	2.802	2.3	21.1
5 11	14 2.27	-10 13.6	1.985	2.960	6.2	21.1	5 11	14 1.24	-11 5.7	1.823	2.799	6.6	21.3
5 21	13 55.24	- 9 55.4	2.044	2.965	9.8	21.4	5 21	13 53.62	-10 23.5	1.873	2.796	10.5	21.6
5 31	13 50.08	- 9 46.9	2.126	2.969	12.9	21.6	5 31	13 48.04	- 9 52.8	1.947	2.791	13.8	21.8
241310	2007 <i>VM</i> ₂		4 26.1 176°68	0°4/26.5	18		297767	2001 <i>XG</i> ₁₅₄		4 26.1 169°			

EPHEMERIDES

4 26.1

4 26.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
379736	2011 <i>GN</i> ₅₇		4 26.1 155°85	2°3/24.4	17		435450	2008 <i>ET</i> ₂₅		4 26.1 158°59	3°9/21.9	18	
3 22	14 42.10	- 7 19.4	2.034	2.873	12.8	20.7	3 22	14 35.77	- 2 58.2	2.510	3.355	10.4	21.0
4 1	14 36.43	- 7 7.0	1.958	2.876	9.6	20.5	4 1	14 31.34	- 1 59.5	2.439	3.358	7.9	20.8
4 11	14 28.76	- 6 52.0	1.907	2.879	6.0	20.3	4 11	14 25.44	- 0 59.9	2.394	3.361	5.3	20.7
4 21	14 19.76	- 6 37.4	1.883	2.882	2.7	20.1	4 21	14 18.60	- 0 3.9	2.377	3.364	3.9	20.6
5 1	14 10.31	- 6 26.6	1.887	2.884	3.6	20.1	5 1	14 11.48	+ 0 43.8	2.389	3.366	4.9	20.6
5 11	14 1.39	- 6 23.0	1.920	2.886	7.1	20.3	5 11	14 4.76	+ 1 19.5	2.428	3.368	7.4	20.8
5 21	13 53.81	- 6 28.8	1.978	2.889	10.6	20.6	5 21	13 59.03	+ 1 41.0	2.493	3.370	10.0	21.0
5 31	13 48.16	- 6 45.5	2.059	2.890	13.7	20.8	5 31	13 54.74	+ 1 47.4	2.580	3.372	12.3	21.1
174452	2002 <i>XJ</i> ₇₇		4 26.1 113°65	4°7/30.7	18		312153	2007 <i>TA</i> ₄₄₈		4 26.1 67°75	2°0/27.6	18	
3 22	14 38.51	-29 59.1	2.249	3.021	13.9	20.2	3 22	14 41.18	-21 20.2	1.403	2.236	17.8	20.6
4 1	14 33.85	-30 1.9	2.164	3.025	11.4	20.0	4 1	14 36.42	-20 52.5	1.346	2.256	13.7	20.4
4 11	14 27.21	-29 46.7	2.100	3.028	8.6	19.8	4 11	14 28.99	-20 5.1	1.310	2.275	8.9	20.2
4 21	14 19.24	-29 12.9	2.061	3.032	5.9	19.6	4 21	14 19.86	-19 1.1	1.298	2.295	4.0	19.9
5 1	14 10.80	-28 22.3	2.048	3.035	4.7	19.6	5 1	14 10.34	-17 46.7	1.311	2.315	2.7	19.9
5 11	14 2.88	-27 19.3	2.064	3.038	6.1	19.7	5 11	14 1.80	-16 30.6	1.350	2.335	7.2	20.2
5 21	13 56.27	-26 10.1	2.106	3.041	8.7	19.8	5 21	13 55.25	-15 21.3	1.413	2.355	11.7	20.5
5 31	13 51.58	-25 1.2	2.172	3.045	11.5	20.0	5 31	13 51.33	-14 25.4	1.498	2.375	15.5	20.8
266935	2010 <i>NO</i> ₆₇		4 26.1 281°06	6°4/21.3	18		292731	2006 <i>UH</i> ₁₅₅		4 26.1 225°27	1°6/24.5	18	
3 22	14 40.23	- 1 20.4	1.582	2.441	14.8	20.3	3 22	14 36.71	-10 27.6	2.569	3.403	10.6	21.8
4 1	14 35.82	- 0 8.8	1.491	2.416	11.5	20.0	4 1	14 32.12	- 9 49.1	2.479	3.395	7.9	21.6
4 11	14 28.83	+ 1 5.6	1.423	2.390	8.2	19.7	4 11	14 25.98	- 9 4.9	2.414	3.387	4.9	21.4
4 21	14 19.91	+ 2 15.1	1.379	2.364	6.5	19.6	4 21	14 18.81	- 8 18.1	2.378	3.378	2.0	21.2
5 1	14 10.10	+ 3 10.8	1.362	2.337	8.1	19.6	5 1	14 11.26	- 7 32.5	2.371	3.369	2.8	21.2
5 11	14 0.66	+ 3 45.5	1.369	2.310	11.8	19.7	5 11	14 4.05	- 6 52.1	2.392	3.360	5.9	21.4
5 21	13 52.71	+ 3 55.3	1.398	2.283	15.8	19.9	5 21	13 57.80	- 6 20.2	2.441	3.350	8.9	21.6
5 31	13 47.15	+ 3 39.3	1.446	2.256	19.4	20.0	5 31	13 53.01	- 5 59.3	2.513	3.340	11.6	21.7
21480	Jilltucker		4 26.1 303°79	4°9/22.7	18		162769	2000 <i>WJ</i> ₁₅₅		4 26.1 232°22	3°9/28.8	18	
3 22	14 38.21	- 5 28.6	1.428	2.294	15.6	18.7	3 22	14 43.46	-24 29.9	1.782	2.585	15.8	20.3
4 1	14 34.36	- 4 27.3	1.351	2.282	11.9	18.5	4 1	14 38.18	-24 42.3	1.688	2.575	12.7	20.0
4 11	14 27.89	- 3 20.4	1.296	2.270	7.8	18.2	4 11	14 30.26	-24 37.6	1.615	2.565	9.0	19.8
4 21	14 19.56	- 2 15.2	1.264	2.258	5.0	18.0	4 21	14 20.40	-24 14.7	1.566	2.554	5.3	19.5
5 1	14 10.49	- 1 19.9	1.258	2.247	6.6	18.1	5 1	14 9.70	-23 34.9	1.544	2.542	4.0	19.4
5 11	14 1.98	- 0 42.1	1.276	2.236	10.7	18.3	5 11	13 59.46	-22 43.4	1.550	2.531	7.0	19.6
5 21	13 55.15	- 0 26.1	1.317	2.225	15.0	18.5	5 21	13 50.83	-21 47.1	1.581	2.518	11.0	19.8
5 31	13 50.81	- 0 33.3	1.376	2.214	18.8	18.7	5 31	13 44.66	-20 53.5	1.634	2.505	14.7	20.0
470190	2006 <i>VJ</i> ₂₃		4 26.1 254°30	1°3/27.5	16		333906	1999 <i>RP</i> ₂₁₂		4 26.1 246°95	5°8/30.8	17	
3 22	14 36.47	-21 2.8	2.508	3.316	11.6	22.2	3 22	14 43.74	-31 38.9	2.413	3.162	13.7	21.3
4 1	14 32.10	-20 28.1	2.405	3.301	9.0	22.0	4 1	14 38.01	-32 14.1	2.302	3.144	11.5	21.1
4 11	14 26.05	-19 40.1	2.325	3.286	6.0	21.8	4 11	14 30.00	-32 33.3	2.213	3.125	9.0	20.9
4 21	14 18.85	-18 40.5	2.273	3.270	2.7	21.5	4 21	14 20.30	-32 34.0	2.149	3.106	6.8	20.7
5 1	14 11.19	-17 32.7	2.250	3.254	1.8	21.4	5 1	14 9.78	-32 15.4	2.112	3.086	5.8	20.6
5 11	14 3.87	-16 21.6	2.257	3.238	5.0	21.6	5 11	13 59.51	-31 39.8	2.103	3.065	6.9	20.7
5 21	13 57.57	-15 12.4	2.291	3.222	8.4	21.8	5 21	13 50.46	-30 51.9	2.120	3.044	9.4	20.8
5 31	13 52.84	-14 10.3	2.350	3.205	11.4	22.0	5 31	13 43.43	-29 58.1	2.162	3.022	12.1	20.9
311255	2005 <i>EC</i> ₄₃		4 26.1 94°57	2°8/24.1	18		91021	1998 <i>DQ</i> ₂₈		4 26.1 286°25	3°3/28.1	18	
3 22	14 41.59	- 9 20.2	1.553	2.405	15.4	20.9	3 22	14 42.56	-21 26.8	1.839	2.652	15.0	18.6
4 1	14 36.40	- 8 30.6	1.495	2.420	11.4	20.7	4 1	14 37.51	-21 58.6	1.739	2.634	11.9	18.3
4 11	14 28.85	- 7 34.2	1.460	2.435	7.1	20.5	4 11	14 29.88	-22 18.2	1.660	2.615	8.3	18.1
4 21	14 19.79	- 6 36.6	1.451	2.450	3.2	20.3	4 21	14 20.30	-22 24.4	1.606	2.597	4.6	17.8
5 1	14 10.37	- 5 44.5	1.468	2.464	4.4	20.4	5 1	14 9.77	-22 17.5	1.579	2.578	3.6	17.7
5 11	14 1.77	- 5 4.1	1.511	2.479	8.6	20.7	5 11	13 59.52	-22 0.8	1.579	2.560	6.8	17.8
5 21	13 54.90	- 4 39.3	1.578	2.493	12.6	20.9	5 21	13 50.72	-21 39.0	1.604	2.541	10.9	18.0
5 31	13 50.38	- 4 32.1	1.667	2.506	16.0	21.2	5 31	13 44.25	-21 18.1	1.652	2.523	14.6	18.2
66710	1999 <i>TT</i> ₉₆		4 26.1 82°04	4°9/22.0	18		166161	2002 <i>EH</i> ₃₅		4 26.1 338°67	1°2/25.3	17	
3 22	14 38.32	- 2 21.7	1.859	2.713	13.1	18.5	3 22	14 36.17	-13 54.9	1.200	2.068	17.9	19.6
4 1	14 33.65	- 1 22.8	1.798	2.721	9.9	18.3	4 1	14 33.30	-13 19.5	1.126	2.059	13.5	19.3
4 11	14 27.03	- 0 23.9	1.761	2.729	6.8	18.1	4 11	14 27.46	-12 29.2	1.072	2.051	8.4	19.0
4 21	14 19.16	+ 0 29.2	1.749	2.736	5.0	18.0	4 21	14 19.47	-11 28.5	1.041	2.043	2.9	18.6
5 1	14 10.95	+ 1 10.5	1.765	2.744	6.2	18.1	5 1	14 10.63	-10 25.1	1.033	2.036	3.6	18.7
5 11	14 3.33	+ 1 35.7	1.807	2.752	9.2	18.3	5 11	14 2.48	- 9 28.3	1.048	2.030	9.3	19.0
5 21	13 57.10	+ 1 42.6	1.873	2.760	12.3	18.5	5 21	13 56.28	- 8 45.9	1.085	2.025	14.5	19.2
5 31	13 52.79	+ 1 31.2	1.960	2.768	15.1	18.7	5 31	13 52.94	- 8 23.2	1.141	2.021	19.1	19.5
22397	1994 <i>VV</i> ₂		4 26.1 219°43	3°0/23.5	18		386537	2009 <i>CE</i> ₄₉		4 26.1 145°83	2°3/23.7	17	
3 22	14 39.89	- 5 23.2	2.377	3.215	11.2	18.4	3 22	14 38.08	- 7 28.8	2.672	3.506	10.2	22.7
4 1	14 34.59	- 4 52.8	2.291	3.207	8.4	18.2	4 1	14 32.94	- 6 46.7	2.601	3.517	7.6	22.6
4 11	14 27.56	- 4 20.4	2.229	3.199	5.4	18.0	4 11	14 26.37	- 6 1.5	2.556	3.527	4.7	22.4
4 21	14 19.36	- 3 49.5	2.196	3.190	3.1	17.8	4 21	14 18.92	- 5 16.6	2.540	3.537	2.5	22.2
5 1	14 10.73	- 3 24.0	2.191	3.181	4.1	17.9	5 1	14 11.22	- 4 35.7	2.554	3.546	3.3	22.3
5 11	14 2.46	- 3 7.3	2.215	3.171	7.0	18.1	5 11	14 3.94	- 4 2.2	2.597	3.555	6.0	22.5
5 21	13 55.27	- 3 1.8	2.265	3.161	10.1	18.2	5 21	13 57.65	- 3 38.8	2.667	3.563	8.7	22.7
5 31	13 49.71	- 3 8.8	2.338	3.151	12.8	18.4	5 31	13 52.79	- 3 26.8	2.760	3.571	11.1	22.9
119313	2001 <i>SS</i> ₇₂		4 26.1 207°19	2°5/23.9	18		358475	2007 <i>PX</i> ₁₅					

EPHEMERIDES

4 26.1

4 26.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
173796	2001 <i>SD</i> ₁₆₀		4 26.1 227°99	2.7/28.4	18		498759	2008 <i>UA</i> ₁₄		4 26.1 212°16	1.3/27.3	17	
3 22	14 40.19	-22 39.5	2.432	3.228	12.3	20.3	3 22	14 39.29	-19 22.8	2.177	2.993	12.9	22.1
4 1	14 34.99	-22 53.9	2.337	3.222	9.7	20.1	4 1	14 34.41	-19 6.9	2.087	2.988	9.9	21.9
4 11	14 27.91	-22 56.8	2.265	3.215	6.7	19.9	4 11	14 27.59	-18 38.7	2.021	2.984	6.5	21.7
4 21	14 19.53	-22 47.9	2.220	3.209	3.8	19.7	4 21	14 19.44	-17 59.7	1.981	2.979	2.8	21.4
5 1	14 10.61	-22 28.7	2.203	3.202	2.9	19.6	5 1	14 10.78	-17 13.1	1.969	2.974	2.0	21.4
5 11	14 2.03	-22 2.2	2.215	3.195	5.3	19.8	5 11	14 2.56	-16 23.6	1.986	2.968	5.6	21.6
5 21	13 54.57	-21 32.4	2.255	3.188	8.4	20.0	5 21	13 55.57	-15 36.3	2.030	2.962	9.2	21.8
5 31	13 48.85	-21 3.8	2.319	3.180	11.3	20.1	5 31	13 50.42	-14 56.0	2.097	2.956	12.4	22.0
27076	1998 <i>ST</i> ₁₄₆		4 26.1 240°99	0.7/25.6	18		427442	2001 <i>PA</i> ₄₁		4 26.1 173°08	4.7/30.7	17	
3 22	14 43.18	-13 43.4	1.615	2.455	15.5	18.4	3 22	14 43.04	-30 28.3	2.466	3.221	13.2	21.7
4 1	14 38.01	-13 20.8	1.525	2.443	11.8	18.2	4 1	14 37.12	-30 36.0	2.375	3.225	10.9	21.5
4 11	14 30.18	-12 47.1	1.457	2.430	7.4	17.9	4 11	14 29.22	-30 26.7	2.307	3.229	8.3	21.3
4 21	14 20.39	-12 5.0	1.414	2.416	2.5	17.5	4 21	14 19.98	-29 59.6	2.264	3.231	5.8	21.2
5 1	14 9.76	-11 19.5	1.398	2.402	2.9	17.5	5 1	14 10.28	-29 15.7	2.250	3.233	4.7	21.1
5 11	13 59.60	-10 36.8	1.409	2.387	7.9	17.8	5 11	14 1.05	-28 19.0	2.264	3.234	5.9	21.2
5 21	13 51.08	-10 3.1	1.445	2.372	12.6	18.0	5 21	13 53.12	-27 14.9	2.306	3.234	8.4	21.3
5 31	13 45.05	-9 42.9	1.502	2.356	16.7	18.2	5 31	13 47.09	-26 9.8	2.373	3.234	11.1	21.5
378325	2007 <i>GT</i> ₄₀		4 26.1 207°46	0.4/25.7	17		113515	2002 <i>TT</i> ₁₃		4 26.1 110°57	1.3/25.0	18	R
3 22	14 37.41	-16 57.8	2.032	2.862	13.1	21.3	3 22	14 38.46	-11 23.3	2.179	3.016	12.1	20.0
4 1	14 33.02	-15 54.6	1.947	2.859	9.9	21.1	4 1	14 33.59	-10 56.0	2.107	3.024	9.0	19.8
4 11	14 26.70	-14 37.5	1.886	2.856	6.2	20.8	4 11	14 26.96	-10 22.5	2.059	3.032	5.5	19.6
4 21	14 19.10	-13 10.4	1.852	2.853	2.1	20.6	4 21	14 19.19	-9 45.9	2.038	3.039	2.0	19.4
5 1	14 11.07	-11 39.3	1.846	2.850	2.3	20.6	5 1	14 11.07	-9 10.1	2.046	3.047	2.7	19.5
5 11	14 3.54	-10 11.5	1.870	2.846	6.4	20.8	5 11	14 3.45	-8 39.2	2.082	3.054	6.2	19.7
5 21	13 57.29	-8 53.4	1.919	2.842	10.2	21.0	5 21	13 57.04	-8 16.7	2.144	3.061	9.6	19.9
5 31	13 52.90	-7 50.0	1.992	2.838	13.5	21.2	5 31	13 52.36	-8 5.0	2.229	3.068	12.5	20.1
258842	2002 <i>PJ</i> ₃₅		4 26.1 282°93	1°0/26.8	17		153607	2001 <i>SZ</i> ₃₁₅		4 26.1 152°44	5.1/29.9	18	
3 22	14 40.43	-17 40.8	1.618	2.453	15.7	21.1	3 22	14 45.23	-28 9.9	2.135	2.907	14.5	19.8
4 1	14 36.12	-17 28.4	1.517	2.430	12.1	20.9	4 1	14 39.07	-28 46.5	2.052	2.914	11.9	19.6
4 11	14 29.12	-17 1.7	1.439	2.407	7.9	20.6	4 11	14 30.59	-29 7.1	1.991	2.920	8.9	19.4
4 21	14 20.07	-16 21.7	1.384	2.384	3.1	20.2	4 21	14 20.50	-29 9.8	1.955	2.926	6.2	19.3
5 1	14 10.05	-15 32.3	1.356	2.361	2.4	20.1	5 1	14 9.79	-28 54.9	1.946	2.932	5.1	19.2
5 11	14 0.37	-14 39.8	1.354	2.337	7.5	20.3	5 11	13 59.59	-28 25.6	1.966	2.936	6.7	19.3
5 21	13 52.23	-13 51.2	1.377	2.313	12.3	20.6	5 21	13 50.89	-27 47.1	2.012	2.941	9.5	19.5
5 31	13 46.57	-13 13.1	1.421	2.290	16.7	20.8	5 31	13 44.38	-27 5.9	2.082	2.945	12.3	19.7
128560	2004 <i>PL</i> ₈₈		4 26.1 272°16	3°1/27.9	17		94215	2001 <i>BO</i> ₄₂		4 26.1 147°31	2°3/28.6	18	
3 22	14 43.08	-21 20.6	1.538	2.361	16.9	20.4	3 22	14 39.95	-23 55.4	2.456	3.247	12.3	19.9
4 1	14 38.38	-21 34.2	1.439	2.342	13.4	20.1	4 1	14 34.62	-23 34.7	2.374	3.257	9.7	19.8
4 11	14 30.68	-21 31.6	1.361	2.321	9.2	19.8	4 11	14 27.56	-22 59.8	2.317	3.267	6.6	19.6
4 21	14 20.66	-21 12.0	1.306	2.301	4.8	19.5	4 21	14 19.39	-22 12.1	2.286	3.276	3.6	19.4
5 1	14 9.49	-20 36.8	1.278	2.280	3.5	19.4	5 1	14 10.89	-21 14.4	2.284	3.285	2.5	19.3
5 11	13 58.68	-19 51.5	1.275	2.258	7.7	19.5	5 11	14 2.90	-20 11.5	2.312	3.293	5.0	19.5
5 21	13 49.59	-19 3.4	1.296	2.237	12.6	19.8	5 21	13 56.09	-19 8.6	2.368	3.300	8.1	19.7
5 31	13 43.27	-18 20.5	1.338	2.215	17.0	20.0	5 31	13 51.00	-18 10.7	2.448	3.307	10.9	19.9
264216	2010 <i>RZ</i> ₅₁		4 26.1 142°71	1°0/25.3	18		145249	2005 <i>JJ</i> ₁₀₉		4 26.1 300°99	0°4/26.3	17	
3 22	14 41.70	-13 5.3	1.942	2.776	13.5	21.5	3 22	14 39.74	-15 32.4	1.483	2.330	16.2	20.2
4 1	14 36.19	-12 30.5	1.871	2.786	10.1	21.3	4 1	14 35.81	-15 26.0	1.386	2.306	12.5	19.9
4 11	14 28.63	-11 47.0	1.824	2.796	6.2	21.1	4 11	14 29.05	-15 7.2	1.310	2.283	8.0	19.5
4 21	14 19.76	-10 58.1	1.803	2.805	2.1	20.9	4 21	14 20.10	-14 37.5	1.258	2.259	2.9	19.2
5 1	14 10.49	-10 8.7	1.811	2.813	2.7	20.9	5 1	14 10.09	-14 0.8	1.231	2.235	2.6	19.1
5 11	14 1.84	-9 24.1	1.847	2.821	6.7	21.2	5 11	14 0.41	-13 23.3	1.229	2.212	8.0	19.3
5 21	13 54.62	-8 48.8	1.909	2.828	10.5	21.4	5 21	13 52.36	-12 51.6	1.251	2.189	13.2	19.6
5 31	13 49.42	-8 25.9	1.994	2.835	13.7	21.6	5 31	13 46.94	-12 31.5	1.293	2.167	17.7	19.8
123403	2000 <i>WH</i> ₈₆		4 26.1 190°38	0°1/26.2	18		474986	2005 <i>TE</i> ₁₂₁		4 26.1 263°30	0°1/26.2	16	
3 22	14 39.94	-15 19.9	2.125	2.952	12.7	20.2	3 22	14 37.69	-14 51.9	2.435	3.261	11.4	21.5
4 1	14 34.86	-15 2.6	2.041	2.951	9.6	20.0	4 1	14 33.03	-14 40.9	2.341	3.251	8.6	21.3
4 11	14 27.84	-14 36.0	1.981	2.950	6.0	19.8	4 11	14 26.67	-14 22.3	2.271	3.240	5.4	21.1
4 21	14 19.51	-14 2.2	1.948	2.949	2.1	19.5	4 21	14 19.13	-13 57.7	2.228	3.229	1.9	20.8
5 1	14 10.70	-13 24.8	1.943	2.947	2.0	19.5	5 1	14 11.12	-13 29.9	2.214	3.218	1.8	20.8
5 11	14 2.35	-12 48.1	1.967	2.945	5.9	19.8	5 11	14 3.43	-13 2.6	2.229	3.207	5.4	21.0
5 21	13 55.26	-12 16.5	2.017	2.943	9.6	20.0	5 21	13 56.77	-12 39.1	2.271	3.196	8.7	21.2
5 31	13 50.03	-11 53.7	2.090	2.940	12.8	20.2	5 31	13 51.69	-12 22.6	2.336	3.185	11.7	21.4
157351	2004 <i>TS</i> ₆₉		4 26.1 257°58	0°9/26.7	18		138548	2000 <i>QN</i> ₁₆		4 26.1 156°09	3°3/29.3	18	
3 22	14 43.96	-15 35.4	2.012	2.834	13.6	20.6	3 22	14 39.56	-25 33.3	2.589	3.371	12.0	20.4
4 1	14 38.22	-15 53.7	1.913	2.819	10.4	20.3	4 1	14 34.38	-25 44.0	2.502	3.375	9.6	20.3
4 11	14 30.15	-16 4.3	1.838	2.804	6.7	20.1	4 11	14 27.47	-25 41.8	2.438	3.379	6.9	20.1
4 21	14 20.37	-16 7.6	1.789	2.789	2.6	19.8	4 21	14 19.40	-25 26.6	2.401	3.382	4.3	19.9
5 1	14 9.81	-16 5.2	1.769	2.773	2.1	19.7	5 1	14 10.91	-24 59.7	2.392	3.386	3.3	19.9
5 11	13 59.57	-16 0.0	1.777	2.757	6.3	19.9	5 11	14 2.82	-24 24.4	2.412	3.389	5.1	20.0
5 21	13 50.64	-15 55.8	1.812	2.741	10.3	20.1	5 21	13 55.84	-23 44.9	2.459	3.392	7.8	20.2
5 31	13 43.81	-15 56.2	1.870	2.724	13.9	20.3	5 31	13 50.51	-23 5.8	2.532	3.394	10.4	20.3
210905	2001 <i>SL</i> ₂₁₉		4 26.1 123°52	2°8/28.4	18		230071	2000 <i>UH</i> ₅₅		4 26.			

EPHEMERIDES

4 26.1

4 26.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
323405	2004 <i>BQ</i> ₅₅		4 26.1 102°27	7°5/20.1	18		82499	2001 <i>OX</i> ₄₃		4 26.1 204°47	0°7/25.4	18	
3 22	14 41.19	+ 3 26.2	1.722	2.573	14.1	21.0	3 22	14 36.96	-13 21.9	2.972	3.793	9.6	20.3
4 1	14 35.83	+ 4 50.2	1.676	2.591	11.1	20.9	4 1	14 32.13	-12 47.0	2.878	3.787	7.2	20.1
4 11	14 28.39	+ 6 8.6	1.654	2.608	8.5	20.8	4 11	14 25.95	-12 5.4	2.811	3.781	4.4	19.9
4 21	14 19.68	+ 7 13.3	1.658	2.625	7.5	20.7	4 21	14 18.87	-11 19.7	2.773	3.774	1.5	19.7
5 1	14 10.73	+ 7 57.8	1.688	2.642	8.8	20.8	5 1	14 11.47	-10 32.8	2.765	3.767	1.9	19.7
5 11	14 2.54	+ 8 18.3	1.743	2.658	11.4	21.0	5 11	14 4.37	- 9 48.4	2.786	3.759	4.8	19.9
5 21	13 55.93	+ 8 14.5	1.820	2.674	14.2	21.2	5 21	13 58.11	- 9 9.6	2.836	3.750	7.7	20.1
5 31	13 51.43	+ 7 48.2	1.917	2.689	16.6	21.5	5 31	13 53.15	- 8 39.2	2.911	3.741	10.1	20.2
225502	2000 <i>OY</i> ₃₃		4 26.1 296°07	4°4/29.3	18		97911	2000 <i>QE</i> ₈₅		4 26.1 163°06	0°8/25.5	18	
3 22	14 38.78	-26 1.4	1.687	2.495	16.3	20.1	3 22	14 41.37	-14 45.6	1.685	2.524	15.0	19.9
4 1	14 34.91	-26 6.6	1.586	2.475	13.2	19.8	4 1	14 36.33	-14 0.6	1.611	2.528	11.3	19.6
4 11	14 28.38	-25 51.8	1.506	2.455	9.6	19.6	4 11	14 28.93	-13 3.0	1.559	2.531	7.0	19.4
4 21	14 19.86	-25 15.7	1.449	2.434	6.0	19.3	4 21	14 19.95	-11 57.0	1.533	2.534	2.3	19.1
5 1	14 10.42	-24 20.0	1.417	2.414	4.5	19.2	5 1	14 10.47	-10 48.8	1.534	2.537	2.8	19.1
5 11	14 1.36	-23 10.4	1.411	2.394	7.2	19.3	5 11	14 1.64	- 9 45.4	1.563	2.539	7.4	19.4
5 21	13 53.87	-21 54.9	1.431	2.375	11.4	19.5	5 21	13 54.42	- 8 53.1	1.616	2.541	11.7	19.7
5 31	13 48.86	-20 42.6	1.472	2.355	15.4	19.6	5 31	13 49.49	- 8 16.2	1.692	2.542	15.3	19.9
12178	Dhani		4 26.1 78°33	2°6/24.0	18		365115	2009 <i>CD</i> ₄₇		4 26.1 17°70	4°0/23.9	17	
3 22	14 38.71	- 8 34.2	1.842	2.691	13.4	19.0	3 22	14 36.31	- 8 12.0	0.993	1.880	19.2	20.8
4 1	14 34.10	- 7 54.5	1.770	2.694	10.0	18.7	4 1	14 33.55	- 7 30.5	0.944	1.886	14.3	20.6
4 11	14 27.44	- 7 9.5	1.722	2.696	6.3	18.5	4 11	14 27.61	- 6 41.8	0.913	1.894	9.0	20.3
4 21	14 19.41	- 6 23.5	1.700	2.699	3.0	18.3	4 21	14 19.55	- 5 53.6	0.903	1.903	4.4	20.1
5 1	14 10.94	- 5 41.9	1.706	2.702	4.0	18.4	5 1	14 10.89	- 5 14.9	0.916	1.914	5.9	20.2
5 11	14 3.04	- 5 9.8	1.738	2.705	7.7	18.6	5 11	14 3.25	- 4 53.1	0.950	1.926	11.0	20.5
5 21	13 56.52	- 4 50.6	1.795	2.707	11.4	18.8	5 21	13 57.88	- 4 52.2	1.004	1.940	15.9	20.8
5 31	13 52.00	- 4 46.4	1.874	2.710	14.6	19.0	5 31	13 55.50	- 5 13.0	1.075	1.954	20.1	21.1
295797	2008 <i>UR</i> ₂₇₆		4 26.1 321°81	0°4/25.9	16		56254	1999 <i>JO</i> ₈₁		4 26.1 7°99	4°9/23.8	18	
3 22	14 43.92	-12 46.9	1.294	2.148	17.7	20.4	3 22	14 43.89	- 1 37.3	1.441	2.298	16.0	17.7
4 1	14 39.05	-12 54.2	1.220	2.144	13.5	20.2	4 1	14 38.51	- 1 35.2	1.374	2.299	12.2	17.4
4 11	14 31.05	-12 52.7	1.167	2.141	8.5	19.9	4 11	14 30.43	- 1 36.7	1.330	2.300	8.2	17.2
4 21	14 20.78	-12 44.2	1.136	2.138	2.9	19.5	4 21	14 20.50	- 1 46.5	1.309	2.302	5.1	17.0
5 1	14 9.61	-12 32.6	1.131	2.135	3.0	19.5	5 1	14 9.95	- 2 8.4	1.314	2.305	6.1	17.1
5 11	13 59.14	-12 23.2	1.150	2.132	8.6	19.8	5 11	14 0.14	- 2 44.7	1.345	2.308	10.0	17.3
5 21	13 50.72	-12 20.9	1.192	2.130	13.8	20.1	5 21	13 52.18	- 3 35.7	1.399	2.311	14.0	17.5
5 31	13 45.28	-12 29.6	1.254	2.127	18.2	20.4	5 31	13 46.83	- 4 40.2	1.473	2.316	17.6	17.8
136923	1998 <i>JH</i> ₂		4 26.1 285°58	1°5/25.3	18 R		373482	2000 <i>TR</i> ₂₁		4 26.1 187°12	4°6/21.0	17	
3 22	14 47.46	-11 50.0	1.588	2.425	15.9	20.0	3 22	14 38.44	- 1 0.4	2.525	3.365	10.5	21.6
4 1	14 41.93	-11 32.1	1.465	2.381	12.3	19.6	4 1	14 33.37	+ 0 11.9	2.451	3.365	8.1	21.4
4 11	14 33.18	-11 4.0	1.363	2.335	7.9	19.3	4 11	14 26.76	+ 1 24.6	2.402	3.364	5.7	21.3
4 21	14 21.70	-10 27.8	1.287	2.288	2.9	18.8	4 21	14 19.16	+ 2 32.3	2.383	3.362	4.6	21.2
5 1	14 8.53	- 9 48.0	1.237	2.239	3.6	18.8	5 1	14 11.23	+ 3 30.1	2.392	3.359	5.7	21.3
5 11	13 55.19	- 9 10.8	1.215	2.190	9.3	18.9	5 11	14 3.70	+ 4 13.7	2.429	3.356	8.1	21.4
5 21	13 43.22	- 8 43.1	1.218	2.138	15.0	19.1	5 21	13 57.18	+ 4 40.8	2.492	3.352	10.6	21.6
5 31	13 33.92	- 8 30.5	1.241	2.086	20.1	19.3	5 31	13 52.17	+ 4 50.9	2.577	3.347	12.9	21.7
247760	2003 <i>QN</i> ₅		4 26.1 193°68	8°7/ 5.0	16		341824	2008 <i>AZ</i> ₅		4 26.1 146°16	1°4/24.7	18	
3 22	14 48.02	-43 1.8	2.419	3.091	15.5	21.3	3 22	14 38.19	-10 30.2	2.482	3.315	10.9	21.8
4 1	14 41.38	-43 32.2	2.320	3.089	13.7	21.2	4 1	14 33.20	-10 0.2	2.407	3.322	8.1	21.6
4 11	14 32.16	-43 39.3	2.240	3.086	11.7	21.0	4 11	14 26.66	- 9 25.1	2.357	3.329	5.0	21.4
4 21	14 21.10	-43 19.1	2.182	3.081	9.9	20.9	4 21	14 19.12	- 8 47.7	2.335	3.335	2.0	21.2
5 1	14 9.33	-42 30.1	2.149	3.076	8.8	20.8	5 1	14 11.27	- 8 11.8	2.342	3.341	2.6	21.3
5 11	13 58.16	-41 15.4	2.142	3.070	9.0	20.8	5 11	14 3.85	- 7 41.0	2.378	3.347	5.8	21.5
5 21	13 48.67	-39 41.5	2.162	3.062	10.3	20.9	5 21	13 57.48	- 7 18.2	2.441	3.353	8.8	21.7
5 31	13 41.64	-37 57.2	2.206	3.054	12.3	21.0	5 31	13 52.65	- 7 5.6	2.528	3.358	11.5	21.8
123098	2000 <i>SJ</i> ₃₄₀		4 26.1 160°08	1°0/25.3	18		249178	2008 <i>CK</i> ₁₀₁		4 26.1 301°97	5°0/30.3	18	
3 22	14 40.45	-12 25.1	2.029	2.864	13.0	20.5	3 22	14 38.42	-28 45.5	2.175	2.955	14.0	20.0
4 1	14 35.27	-12 0.3	1.952	2.868	9.7	20.3	4 1	14 34.13	-29 8.3	2.069	2.935	11.6	19.8
4 11	14 28.11	-11 27.8	1.899	2.871	6.0	20.1	4 11	14 27.66	-29 14.8	1.984	2.916	8.8	19.6
4 21	14 19.64	-10 50.8	1.873	2.874	2.1	19.8	4 21	14 19.58	-29 3.3	1.924	2.897	6.2	19.4
5 1	14 10.74	-10 13.3	1.875	2.877	2.6	19.8	5 1	14 10.76	-28 34.2	1.891	2.877	5.0	19.3
5 11	14 2.36	- 9 39.9	1.905	2.879	6.5	20.1	5 11	14 2.22	-27 50.7	1.884	2.858	6.6	19.4
5 21	13 55.29	- 9 14.6	1.961	2.881	10.2	20.3	5 21	13 54.92	-26 58.1	1.903	2.839	9.5	19.5
5 31	13 50.14	- 9 0.3	2.040	2.883	13.3	20.5	5 31	13 49.63	-26 3.0	1.946	2.821	12.6	19.6
285946	2001 <i>RA</i> ₁₅		4 26.1 156°97	0°1/26.1	18		353833	2012 <i>UE</i> ₁₂₂		4 26.1 201°16	2°1/28.1	18	
3 22	14 36.69	-16 43.7	2.490	3.312	11.3	21.0	3 22	14 38.70	-21 52.0	2.392	3.195	12.3	21.7
4 1	14 32.13	-16 0.0	2.409	3.316	8.5	20.8	4 1	14 33.85	-21 45.7	2.301	3.192	9.6	21.6
4 11	14 26.01	-15 6.2	2.352	3.320	5.3	20.6	4 11	14 27.21	-21 27.2	2.235	3.190	6.5	21.4
4 21	14 18.89	-14 5.1	2.323	3.324	1.8	20.4	4 21	14 19.35	-20 57.1	2.194	3.187	3.4	21.2
5 1	14 11.46	-13 0.9	2.324	3.328	1.7	20.4	5 1	14 11.04	-20 17.7	2.183	3.184	2.4	21.1
5 11	14 4.46	-11 58.2	2.353	3.331	5.2	20.6	5 11	14 3.13	-19 33.3	2.200	3.181	5.2	21.3
5 21	13 58.50	-11 1.8	2.411	3.334	8.4	20.8	5 21	13 56.35	-18 48.2	2.244	3.178	8.4	21.4
5 31	13 54.08	-10 15.1	2.492	3.337	11.2	21.0	5 31	13 51.28	-18 7.2	2.312	3.174	11.3	21.6
62201	2000 <i>SW</i> ₅₄		4 26.1 266°00	0°5/25.2	18		493543	2015 <i>HH</i> ₁₉		4 26.1 318°53</			

EPHEMERIDES

4 26.1

4 26.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
33316	1998 <i>KY</i> ₆₅		4 26.1 359°41	4.4/21.0	18		350125	2011 <i>QN</i> ₇₇		4 26.2 198°63	5.6/1.5	18	
3 22	14 32.67	-10 56.0	1.676	2.537	14.0	17.0	3 22	14 42.10	-33 8.2	2.707	3.444	12.6	21.7
4 1	14 29.74	-8 15.8	1.603	2.534	10.3	16.8	4 1	14 36.48	-33 43.4	2.611	3.441	10.6	21.5
4 11	14 24.80	-5 20.2	1.556	2.533	6.5	16.6	4 11	14 28.92	-34 3.3	2.536	3.438	8.5	21.4
4 21	14 18.53	-2 20.3	1.538	2.532	4.4	16.4	4 21	14 20.00	-34 5.9	2.487	3.435	6.5	21.3
5 1	14 11.86	+0 30.4	1.550	2.532	6.5	16.6	5 1	14 10.50	-33 50.9	2.465	3.432	5.6	21.2
5 11	14 5.77	+2 59.7	1.589	2.533	10.3	16.8	5 11	14 1.35	-33 20.7	2.471	3.428	6.4	21.2
5 21	14 1.06	+4 59.7	1.653	2.535	13.9	17.0	5 21	13 53.33	-32 39.3	2.504	3.423	8.3	21.3
5 31	13 58.29	+6 27.0	1.737	2.538	17.0	17.2	5 31	13 47.10	-31 52.2	2.562	3.419	10.5	21.5
180526	2004 <i>DB</i> ₄₅		4 26.1 128°94	3.6/29.2	18		57777	2001 <i>VO</i> ₆₃		4 26.2 321°67	0.7/25.7	18	
3 22	14 46.59	-25 26.5	2.229	3.007	13.8	21.7	3 22	14 40.04	-11 46.8	2.105	2.939	12.6	19.2
4 1	14 39.78	-25 43.4	2.156	3.027	11.0	21.6	4 1	14 35.01	-11 48.5	2.021	2.936	9.5	19.0
4 11	14 30.87	-25 45.3	2.106	3.046	7.8	21.4	4 11	14 28.02	-11 44.8	1.961	2.932	5.9	18.8
4 21	14 20.60	-25 32.0	2.082	3.064	4.8	21.2	4 21	14 19.68	-11 37.5	1.927	2.929	2.0	18.5
5 1	14 9.93	-25 4.7	2.088	3.082	3.7	21.2	5 1	14 10.83	-11 29.3	1.922	2.925	2.3	18.5
5 11	13 59.89	-24 27.6	2.122	3.098	5.8	21.4	5 11	14 2.39	-11 23.4	1.945	2.922	6.2	18.8
5 21	13 51.33	-23 45.8	2.184	3.114	8.8	21.6	5 21	13 55.19	-11 22.8	1.994	2.919	9.8	19.0
5 31	13 44.86	-23 4.9	2.271	3.128	11.7	21.8	5 31	13 49.84	-11 29.8	2.067	2.916	13.0	19.2
433160	2012 <i>TY</i> ₂₅₅		4 26.1 199°65	1.5/24.8	17		382223	2012 <i>QV</i> ₅₀		4 26.2 335°02	7.2/2.1	18	
3 22	14 38.37	-11 0.0	2.201	3.039	12.0	21.5	3 22	14 39.47	-33 38.5	1.820	2.587	16.9	20.0
4 1	14 33.61	-10 27.6	2.120	3.037	9.0	21.2	4 1	14 35.30	-34 4.3	1.733	2.583	14.3	19.8
4 11	14 27.06	-9 48.7	2.062	3.035	5.5	21.0	4 11	14 28.54	-34 7.1	1.665	2.580	11.3	19.6
4 21	14 19.30	-9 6.6	2.032	3.033	2.1	20.8	4 21	14 19.92	-33 44.2	1.619	2.576	8.6	19.4
5 1	14 11.13	-8 25.5	2.031	3.031	2.9	20.8	5 1	14 10.58	-32 55.9	1.598	2.573	7.2	19.3
5 11	14 3.39	-7 49.8	2.057	3.028	6.4	21.1	5 11	14 1.80	-31 46.8	1.602	2.570	8.1	19.3
5 21	13 56.81	-7 23.1	2.110	3.025	9.8	21.3	5 21	13 54.69	-30 24.8	1.631	2.567	10.8	19.5
5 31	13 51.96	-7 8.1	2.186	3.022	12.8	21.5	5 31	13 50.05	-28 59.2	1.683	2.565	13.8	19.7
324627	2007 <i>BW</i> ₅		4 26.1 189°57	6.8/5.7	18		292175	2006 <i>ST</i> ₁₅		4 26.2 114°79	2.3/28.2	18	
3 22	14 41.54	-43 54.0	3.388	4.038	11.7	22.1	3 22	14 38.44	-21 55.0	2.266	3.072	12.7	20.8
4 1	14 35.80	-44 11.0	3.287	4.037	10.4	22.0	4 1	14 33.73	-21 53.1	2.182	3.075	10.0	20.6
4 11	14 28.35	-44 10.3	3.206	4.035	9.0	21.9	4 11	14 27.18	-21 38.5	2.122	3.077	6.8	20.4
4 21	14 19.74	-43 49.8	3.148	4.032	7.7	21.8	4 21	14 19.37	-21 12.1	2.087	3.080	3.5	20.2
5 1	14 10.72	-43 9.5	3.115	4.029	6.9	21.7	5 1	14 11.14	-20 36.2	2.081	3.082	2.5	20.1
5 11	14 2.12	-42 11.3	3.109	4.026	6.9	21.7	5 11	14 3.35	-19 54.9	2.103	3.085	5.3	20.3
5 21	13 54.63	-40 59.3	3.130	4.022	7.8	21.8	5 21	13 56.75	-19 12.9	2.152	3.087	8.6	20.5
5 31	13 48.80	-39 38.9	3.177	4.017	9.1	21.8	5 31	13 51.94	-18 34.9	2.224	3.090	11.6	20.7
176974	2002 <i>XY</i> ₆₃		4 26.1 129°62	4.2/22.5	18		89699	2001 <i>YU</i> ₇₉		4 26.2 256°23	0.8/26.6	18	
3 22	14 38.99	-1 39.7	2.216	3.061	11.6	20.0	3 22	14 42.84	-16 48.3	1.610	2.444	15.8	19.1
4 1	14 33.96	-1 4.7	2.147	3.064	8.8	19.8	4 1	14 37.92	-16 39.8	1.517	2.429	12.2	18.9
4 11	14 27.22	-0 30.6	2.101	3.067	6.0	19.6	4 11	14 30.26	-16 18.2	1.445	2.414	7.9	18.6
4 21	14 19.35	-0 1.8	2.083	3.070	4.3	19.5	4 21	14 20.57	-15 44.9	1.397	2.398	3.0	18.2
5 1	14 11.14	+0 17.6	2.093	3.073	5.3	19.6	5 1	14 9.95	-15 3.7	1.377	2.381	2.4	18.1
5 11	14 3.40	+0 24.6	2.130	3.076	7.9	19.7	5 11	13 59.77	-14 20.3	1.383	2.365	7.5	18.4
5 21	13 56.83	+0 17.5	2.193	3.079	10.8	19.9	5 21	13 51.21	-13 41.5	1.413	2.348	12.3	18.6
5 31	13 51.95	-0 3.7	2.278	3.081	13.4	20.1	5 31	13 45.19	-13 12.8	1.465	2.330	16.5	18.9
303913	2005 <i>UL</i> ₂₅		4 26.1 279°53	0.6/25.7	16		406422	2007 <i>TR</i> ₁₇₆		4 26.2 114°18	0.2/26.2	18	
3 22	14 40.73	-11 31.9	2.365	3.194	11.6	20.7	3 22	14 44.44	-14 20.1	1.547	2.386	16.1	20.7
4 1	14 35.36	-11 40.5	2.275	3.186	8.7	20.5	4 1	14 38.90	-14 23.7	1.476	2.392	12.2	20.5
4 11	14 28.17	-11 44.8	2.209	3.179	5.4	20.3	4 11	14 30.69	-14 17.6	1.426	2.397	7.7	20.2
4 21	14 19.72	-11 46.0	2.170	3.172	1.9	20.0	4 21	14 20.64	-14 3.7	1.401	2.403	2.7	19.9
5 1	14 10.76	-11 46.4	2.161	3.164	2.0	20.0	5 1	14 9.97	-13 45.4	1.403	2.408	2.4	19.9
5 11	14 2.15	-11 48.5	2.181	3.157	5.7	20.2	5 11	14 0.00	-13 27.5	1.432	2.413	7.4	20.2
5 21	13 54.62	-11 54.5	2.228	3.150	9.0	20.4	5 21	13 51.85	-13 14.8	1.485	2.418	11.9	20.5
5 31	13 48.78	-12 6.7	2.299	3.142	12.0	20.6	5 31	13 46.27	-13 11.2	1.560	2.423	15.7	20.7
506485	2003 <i>SX</i> ₃₃₈		4 26.2 213°45	0.7/25.5	18		265347	2004 <i>RV</i> ₃₈		4 26.2 243°60	6.2/30.5	18	
3 22	14 39.99	-12 38.4	2.392	3.219	11.5	22.6	3 22	14 44.32	-30 21.6	2.066	2.832	15.1	20.8
4 1	14 34.76	-12 20.2	2.301	3.213	8.6	22.4	4 1	14 38.77	-31 8.3	1.968	2.822	12.6	20.6
4 11	14 27.77	-11 55.2	2.235	3.206	5.4	22.2	4 11	14 30.68	-31 38.3	1.892	2.812	9.9	20.4
4 21	14 19.58	-11 25.9	2.197	3.199	1.8	22.0	4 21	14 20.70	-31 48.5	1.840	2.802	7.3	20.2
5 1	14 10.92	-10 55.4	2.188	3.191	2.2	22.0	5 1	14 9.84	-31 37.9	1.814	2.791	6.2	20.1
5 11	14 2.63	-10 27.4	2.208	3.182	5.8	22.2	5 11	13 59.33	-31 9.1	1.815	2.781	7.5	20.2
5 21	13 55.42	-10 5.3	2.255	3.174	9.1	22.4	5 21	13 50.28	-30 27.3	1.842	2.770	10.3	20.3
5 31	13 49.87	-9 52.0	2.326	3.164	12.1	22.6	5 31	13 43.55	-29 39.9	1.892	2.758	13.2	20.5
47134	1999 <i>DB</i> ₆		4 26.2 88°08	4.4/30.2	18		399104	2014 <i>DE</i> ₅₈		4 26.2 339°07	3.5/28.3	16	
3 22	14 40.51	-28 51.5	1.766	2.557	16.4	18.1	3 22	14 41.48	-21 39.0	1.952	2.763	14.3	20.8
4 1	14 35.70	-28 29.6	1.696	2.572	13.2	17.9	4 1	14 36.50	-22 23.5	1.863	2.755	11.4	20.6
4 11	14 28.52	-27 44.7	1.645	2.586	9.6	17.7	4 11	14 29.18	-22 57.0	1.795	2.749	8.0	20.3
4 21	14 19.83	-26 37.7	1.619	2.601	6.0	17.5	4 21	14 20.15	-23 18.1	1.753	2.742	4.7	20.1
5 1	14 10.74	-25 12.7	1.620	2.615	4.4	17.4	5 1	14 10.37	-23 26.8	1.738	2.736	3.7	20.0
5 11	14 2.44	-23 37.5	1.648	2.630	6.6	17.6	5 11	14 0.97	-23 25.7	1.751	2.731	6.4	20.2
5 21	13 55.85	-22 0.8	1.702	2.644	10.0	17.8	5 21	13 52.94	-23 18.6	1.789	2.726	10.0	20.4
5 31	13 51.59	-20 31.3	1.780	2.658	13.4	18.1	5 31	13 47.08	-23 10.4	1.850	2.721	13.3	20.6
471362	2011 <i>SD</i> ₃₅		4 26.2 260°27	0.9/26.9	16		438385	2006 <i>UV</i> ₆		4 26.2 207°14			

EPHEMERIDES

4 26.2

4 26.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
415599	2014 QG ₃₂₈		4 26.2 128°83	7.8/30.2	16		202451	2005 YU ₁₃₉		4 26.2 158°48	2.9/28.2	18	
3 22	14 53.53	-30 16.9	1.750	2.513	17.6	21.0	3 22	14 45.01	-22 34.0	1.718	2.527	16.0	21.0
4 1	14 46.16	-31 50.7	1.672	2.521	14.7	20.8	4 1	14 39.24	-22 33.8	1.640	2.533	12.6	20.7
4 11	14 35.52	-33 7.3	1.615	2.530	11.6	20.7	4 11	14 30.88	-22 16.8	1.583	2.539	8.6	20.5
4 21	14 22.43	-34 0.7	1.582	2.538	8.9	20.5	4 21	14 20.74	-21 43.1	1.552	2.544	4.5	20.3
5 1	14 8.24	-34 27.1	1.576	2.545	7.9	20.5	5 1	14 10.00	-20 55.8	1.547	2.549	3.2	20.2
5 11	13 54.62	-34 28.2	1.596	2.553	9.2	20.6	5 11	13 59.94	-20 0.8	1.570	2.553	6.7	20.4
5 21	13 43.04	-34 10.0	1.642	2.559	12.0	20.7	5 21	13 51.63	-19 5.2	1.619	2.556	10.8	20.7
5 31	13 34.51	-33 41.1	1.711	2.566	14.9	20.9	5 31	13 45.81	-18 15.9	1.691	2.558	14.5	20.9
191462	2003 SF ₂₆₆		4 26.2 160°42	0°3/25.9	18		512290	2016 GY ₂₁₆		4 26.2 54°91	0°9/25.6	17	
3 22	14 38.47	-15 5.7	2.216	3.044	12.2	20.9	3 22	14 42.04	-12 56.2	1.369	2.222	17.0	21.1
4 1	14 33.68	-14 33.4	2.136	3.047	9.2	20.7	4 1	14 37.17	-12 41.1	1.312	2.237	12.7	20.9
4 11	14 27.10	-13 51.6	2.080	3.050	5.7	20.5	4 11	14 29.61	-12 16.0	1.277	2.252	7.9	20.6
4 21	14 19.35	-13 3.1	2.052	3.053	1.9	20.2	4 21	14 20.28	-11 44.6	1.265	2.267	2.7	20.4
5 1	14 11.21	-12 12.1	2.052	3.056	2.0	20.2	5 1	14 10.49	-11 12.3	1.279	2.282	3.0	20.4
5 11	14 3.55	-11 23.5	2.081	3.058	5.8	20.5	5 11	14 1.59	-10 45.0	1.318	2.298	8.0	20.8
5 21	13 57.07	-10 41.5	2.137	3.060	9.3	20.7	5 21	13 54.65	-10 27.6	1.380	2.314	12.6	21.1
5 31	13 52.33	-10 9.7	2.216	3.062	12.3	20.9	5 31	13 50.34	-10 23.4	1.463	2.330	16.4	21.3
187021	2005 AU ₆₆		4 26.2 298°01	2°5/22.0	18		157529	2005 TP ₉		4 26.2 133°33	0°3/26.4	16	
3 22	14 30.21	-2 5.7	4.144	4.983	6.8	19.8	3 22	14 46.31	-13 54.3	2.101	2.920	13.2	20.4
4 1	14 26.81	-1 31.5	4.057	4.973	5.1	19.7	4 1	14 39.63	-14 10.5	2.026	2.931	10.0	20.2
4 11	14 22.56	-0 57.5	3.998	4.963	3.5	19.5	4 11	14 30.86	-14 20.1	1.976	2.943	6.3	20.0
4 21	14 17.75	-0 25.9	3.967	4.952	2.5	19.4	4 21	14 20.69	-14 24.1	1.953	2.953	2.2	19.8
5 1	14 12.74	+0 1.0	3.965	4.942	3.2	19.5	5 1	14 10.07	-14 24.1	1.959	2.963	1.9	19.8
5 11	14 7.91	+0 21.3	3.993	4.932	4.8	19.6	5 11	14 0.02	-14 23.2	1.995	2.973	5.9	20.0
5 21	14 3.60	+0 33.5	4.047	4.922	6.5	19.7	5 21	13 51.38	-14 24.3	2.058	2.982	9.6	20.3
5 31	14 0.11	+0 36.9	4.125	4.911	8.2	19.8	5 31	13 44.78	-14 30.2	2.145	2.991	12.7	20.5
55457	2001 TH ₁₃₃		4 26.2 247°81	2°6/21.6	18		170027	2002 VH ₅		4 26.2 50°89	0°1/26.1	17	
3 22	14 30.75	+0 23.2	4.818	5.653	6.0	19.6	3 22	14 37.20	-15 41.5	2.051	2.884	12.9	20.4
4 1	14 27.09	+0 47.8	4.732	5.642	4.6	19.5	4 1	14 32.89	-15 10.9	1.973	2.886	9.7	20.2
4 11	14 22.67	+1 11.1	4.673	5.632	3.2	19.4	4 11	14 26.70	-14 29.8	1.918	2.888	6.1	20.0
4 21	14 17.78	+1 31.3	4.642	5.621	2.6	19.4	4 21	14 19.26	-13 41.2	1.890	2.891	2.1	19.7
5 1	14 12.72	+1 46.7	4.642	5.610	3.1	19.4	5 1	14 11.41	-12 49.4	1.889	2.893	2.0	19.7
5 11	14 7.81	+1 55.7	4.670	5.599	4.4	19.5	5 11	14 4.04	-11 59.5	1.917	2.896	6.0	20.0
5 21	14 3.35	+1 57.4	4.725	5.588	5.9	19.6	5 21	13 57.93	-11 16.4	1.970	2.898	9.7	20.2
5 31	13 59.61	+1 51.5	4.805	5.577	7.3	19.7	5 31	13 53.63	-10 43.9	2.047	2.901	12.9	20.4
391393	2006 YG ₂₂		4 26.2 150°20	3°7/22.7	18		17857	Hsieh		4 26.2 274°27	2°2/24.7	18	
3 22	14 37.90	-2 39.9	2.458	3.300	10.7	21.3	3 22	14 42.66	-7 53.2	1.987	2.825	13.0	17.6
4 1	14 33.02	-2 5.3	2.386	3.303	8.1	21.2	4 1	14 37.26	-7 45.8	1.888	2.805	9.9	17.4
4 11	14 26.60	-1 30.9	2.339	3.306	5.4	21.0	4 11	14 29.62	-7 35.2	1.813	2.785	6.2	17.1
4 21	14 19.17	-1 0.4	2.320	3.309	3.7	20.9	4 21	14 20.35	-7 24.2	1.765	2.764	2.7	16.8
5 1	14 11.44	-0 37.6	2.329	3.311	4.6	20.9	5 1	14 10.33	-7 16.2	1.745	2.743	3.5	16.8
5 11	14 4.12	-0 25.5	2.366	3.314	7.2	21.1	5 11	14 0.62	-7 14.9	1.753	2.722	7.4	17.0
5 21	13 57.83	-0 25.7	2.429	3.316	9.9	21.3	5 21	13 52.15	-7 22.8	1.787	2.701	11.3	17.2
5 31	13 53.06	-0 38.9	2.515	3.318	12.3	21.4	5 31	13 45.70	-7 42.1	1.843	2.679	14.8	17.4
173488	2000 SO ₃₃₉		4 26.2 139°80	4°4/1.1	18		432341	2009 VM ₂₃		4 26.2 179°09	3°7/22.9	17	
3 22	14 41.09	-31 8.2	3.066	3.808	11.2	21.2	3 22	14 42.19	-2 19.1	2.473	3.306	11.0	21.7
4 1	14 35.36	-31 30.0	2.982	3.820	9.2	21.1	4 1	14 36.22	-1 47.2	2.396	3.308	8.3	21.6
4 11	14 28.04	-31 38.4	2.920	3.832	7.1	21.0	4 11	14 28.60	-1 15.7	2.345	3.310	5.6	21.4
4 21	14 19.68	-31 32.4	2.885	3.842	5.2	20.9	4 21	14 19.90	-0 48.3	2.322	3.310	3.8	21.3
5 1	14 10.96	-31 12.6	2.878	3.853	4.4	20.8	5 1	14 10.84	-0 28.7	2.329	3.310	4.7	21.3
5 11	14 2.61	-30 41.5	2.900	3.863	5.2	20.9	5 11	14 2.22	-0 19.8	2.364	3.309	7.3	21.5
5 21	13 55.29	-30 2.9	2.950	3.873	7.1	21.0	5 21	13 54.69	-0 23.1	2.426	3.308	10.1	21.7
5 31	13 49.49	-29 21.0	3.026	3.882	9.1	21.2	5 31	13 48.78	-0 39.3	2.511	3.306	12.6	21.8
457746	2009 HT ₄₃		4 26.2 5°11	2°8/24.6	17		351575	2005 UB ₂₈₀		4 26.2 243°86	0°6/25.6	18	
3 22	14 37.95	-9 37.9	1.159	2.033	17.9	20.2	3 22	14 36.93	-13 9.4	2.651	3.478	10.5	21.1
4 1	14 34.63	-9 10.6	1.097	2.033	13.5	19.9	4 1	14 32.37	-12 46.0	2.556	3.467	7.9	20.9
4 11	14 28.31	-8 35.2	1.054	2.033	8.4	19.6	4 11	14 26.27	-12 15.9	2.486	3.456	4.9	20.7
4 21	14 19.90	-7 57.2	1.034	2.035	3.5	19.4	4 21	14 19.12	-11 41.3	2.443	3.445	1.7	20.4
5 1	14 10.77	-7 23.6	1.037	2.037	4.7	19.4	5 1	14 11.56	-11 5.4	2.431	3.433	2.0	20.4
5 11	14 2.46	-7 1.6	1.063	2.041	9.8	19.7	5 11	14 4.30	-10 31.7	2.447	3.422	5.2	20.6
5 21	13 56.20	-6 55.7	1.110	2.045	14.8	20.0	5 21	13 57.96	-10 3.5	2.490	3.410	8.3	20.8
5 31	13 52.80	-7 8.2	1.176	2.051	19.0	20.3	5 31	13 53.06	-9 43.5	2.558	3.397	11.1	21.0
329388	2001 XW ₁₅₅		4 26.2 204°24	0°6/26.7	18		331188	2011 AY ₅₈		4 26.2 16°23	1°4/25.2	17	
3 22	14 39.79	-17 54.0	2.079	2.901	13.2	20.8	3 22	14 39.52	-12 15.2	1.683	2.530	14.6	21.0
4 1	14 34.88	-17 26.3	1.991	2.897	10.1	20.6	4 1	14 35.01	-11 44.0	1.608	2.530	11.0	20.7
4 11	14 27.98	-16 46.4	1.927	2.894	6.4	20.3	4 11	14 28.20	-11 3.7	1.556	2.530	6.8	20.5
4 21	14 19.71	-15 56.3	1.889	2.889	2.5	20.1	4 21	14 19.83	-10 18.0	1.529	2.531	2.4	20.2
5 1	14 10.94	-15 0.0	1.880	2.885	1.9	20.0	5 1	14 10.92	-9 32.4	1.529	2.531	3.1	20.3
5 11	14 2.63	-14 3.1	1.899	2.880	5.9	20.3	5 11	14 2.59	-8 52.7	1.556	2.532	7.5	20.5
5 21	13 55.60	-13 10.9	1.945	2.874	9.7	20.5	5 21	13 55.79	-8 23.7	1.607	2.532	11.7	20.8
5 31	13 50.48	-12 28.1	2.014	2.868	13.0	20.7	5 31	13 51.20	-8 8.8	1.679	2.533	15.3	21.0
386180	2007 VQ ₅₃		4 26.2 100°77	1°1/25.1	17		14367	Hippokrates		4 26.2 250°74	0°4/25.8	18	
3 22	14 37.58	-12 39.2	2.309	3.143	11.6	22.0	3 22	14 36.88	-14 8.				

EPHEMERIDES

4 26.2

4 26.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
410437	2008 <i>BM</i> ₄₆		4 26.2 101°89	1°0/25.5 18			213575	2002 <i>ND</i> ₂₁		4 26.2 303°75	3°4/23.7 17		
3 22	14 43.23	-12 42.2	1.706	2.544	14.8	21.4	3 22	14 37.29	-9 34.9	1.401	2.266	16.0	20.3
4 1	14 37.59	-12 19.4	1.644	2.561	11.1	21.2	4 1	14 33.96	-8 35.0	1.314	2.245	12.1	20.0
4 11	14 29.67	-11 48.0	1.605	2.577	6.8	21.0	4 11	14 27.92	-7 23.5	1.247	2.224	7.6	19.7
4 21	14 20.29	-11 11.5	1.592	2.594	2.3	20.7	4 21	14 19.85	-6 6.7	1.205	2.204	3.8	19.4
5 1	14 10.54	-10 34.6	1.607	2.609	2.8	20.8	5 1	14 10.89	-4 53.1	1.187	2.184	5.3	19.4
5 11	14 1.54	-10 2.5	1.648	2.625	7.1	21.1	5 11	14 2.37	-3 52.0	1.194	2.164	10.1	19.6
5 21	13 54.20	-9 39.5	1.716	2.640	11.1	21.4	5 21	13 55.50	-3 10.2	1.224	2.144	14.9	19.8
5 31	13 49.12	-9 28.7	1.805	2.654	14.5	21.6	5 31	13 51.18	-2 51.7	1.272	2.125	19.2	20.0
23840	1998 <i>QP</i> ₁₀₀		4 26.2 188°94	0°7/25.6 18			286301	2001 <i>WQ</i> ₁₇		4 26.2 207°27	1°0/27.2 17		
3 22	14 39.86	-12 39.5	2.195	3.026	12.2	19.0	3 22	14 37.15	-19 27.4	2.629	3.439	11.1	21.4
4 1	14 34.79	-12 22.1	2.112	3.026	9.2	18.8	4 1	14 32.55	-18 58.3	2.536	3.434	8.5	21.2
4 11	14 27.86	-11 57.7	2.054	3.025	5.7	18.6	4 11	14 26.38	-18 18.3	2.467	3.430	5.5	21.0
4 21	14 19.68	-11 28.9	2.023	3.024	1.9	18.4	4 21	14 19.17	-17 29.0	2.426	3.424	2.3	20.8
5 1	14 11.06	-10 58.9	2.020	3.023	2.3	18.4	5 1	14 11.59	-16 33.7	2.415	3.419	1.6	20.7
5 11	14 2.87	-10 31.9	2.046	3.022	6.0	18.6	5 11	14 4.36	-15 36.6	2.432	3.413	4.8	20.9
5 21	13 55.87	-10 11.4	2.098	3.020	9.5	18.8	5 21	13 58.12	-14 42.1	2.478	3.407	7.9	21.1
5 31	13 50.66	-10 0.1	2.174	3.018	12.6	19.0	5 31	13 53.37	-13 54.3	2.548	3.401	10.7	21.3
522783	2016 <i>NO</i> ₇₇		4 26.2 131°67	3°8/22.9 18			520051	2013 <i>VA</i> ₃₀		4 26.2 179°84	2°2/28.5 17		
3 22	14 39.12	-2 20.0	2.308	3.150	11.3	20.9	3 22	14 39.50	-23 45.7	2.410	3.203	12.4	22.1
4 1	14 34.05	-1 52.8	2.235	3.152	8.6	20.7	4 1	14 34.44	-23 16.5	2.320	3.205	9.8	21.9
4 11	14 27.31	-1 26.3	2.187	3.154	5.8	20.6	4 11	14 27.61	-22 32.5	2.254	3.206	6.7	21.7
4 21	14 19.47	-1 4.2	2.167	3.156	3.9	20.4	4 21	14 19.60	-21 34.8	2.214	3.206	3.5	21.5
5 1	14 11.29	-0 50.3	2.174	3.158	4.8	20.5	5 1	14 11.21	-20 27.0	2.204	3.206	2.4	21.4
5 11	14 3.55	-0 47.5	2.210	3.159	7.5	20.7	5 11	14 3.27	-19 14.0	2.223	3.205	5.1	21.6
5 21	13 56.92	-0 57.1	2.271	3.161	10.3	20.8	5 21	13 56.51	-18 1.6	2.270	3.204	8.3	21.8
5 31	13 51.92	-1 19.6	2.355	3.163	12.9	21.0	5 31	13 51.48	-16 55.3	2.343	3.202	11.3	22.0
58267	1993 <i>TB</i> ₁₆		4 26.2 272°46	0°1/26.2 18			9165	Raup		4 26.2 242°75	10°4/28.5 18 R		
3 22	14 37.26	-15 7.1	2.483	3.308	11.2	19.8	3 22	15 0.80	-28 7.9	1.333	2.115	21.2	16.9
4 1	14 32.78	-14 51.5	2.383	3.292	8.5	19.6	4 1	14 53.35	-30 37.2	1.244	2.107	17.9	16.6
4 11	14 26.61	-14 27.7	2.308	3.277	5.3	19.3	4 11	14 41.17	-32 55.9	1.175	2.098	14.3	16.4
4 21	14 19.27	-13 57.7	2.260	3.261	1.9	19.1	4 21	14 24.84	-34 51.8	1.130	2.088	11.3	16.2
5 1	14 11.44	-13 24.3	2.240	3.245	1.7	19.0	5 1	14 6.01	-36 13.5	1.110	2.079	10.5	16.1
5 11	14 3.89	-12 51.3	2.250	3.228	5.3	19.2	5 11	13 47.22	-36 56.8	1.116	2.069	12.7	16.2
5 21	13 57.32	-12 22.2	2.286	3.212	8.7	19.4	5 21	13 30.99	-37 7.1	1.145	2.058	16.4	16.3
5 31	13 52.30	-12 0.4	2.347	3.196	11.6	19.6	5 31	13 19.14	-36 56.8	1.194	2.047	20.2	16.5
435771	2008 <i>UX</i> ₂₈₃		4 26.2 137°92	2°3/24.3 17			92901	2000 <i>RE</i> ₅		4 26.2 127°80	3°7/28.2 18		
3 22	14 40.81	-7 26.0	2.237	3.074	11.8	21.6	3 22	14 48.87	-21 23.5	1.945	2.743	14.8	18.9
4 1	14 35.35	-7 5.0	2.165	3.081	8.8	21.4	4 1	14 42.05	-22 22.3	1.862	2.747	11.8	18.7
4 11	14 28.13	-6 41.3	2.117	3.088	5.5	21.2	4 11	14 32.67	-23 10.4	1.802	2.752	8.2	18.5
4 21	14 19.76	-6 17.8	2.097	3.095	2.6	21.0	4 21	14 21.45	-23 45.7	1.769	2.757	4.8	18.3
5 1	14 11.04	-5 58.1	2.106	3.102	3.4	21.1	5 1	14 9.46	-24 7.3	1.765	2.761	3.9	18.2
5 11	14 2.81	-5 45.6	2.143	3.108	6.6	21.3	5 11	13 57.96	-24 17.1	1.789	2.765	6.6	18.4
5 21	13 55.78	-5 42.5	2.207	3.114	9.8	21.5	5 21	13 48.05	-24 19.0	1.840	2.769	10.2	18.6
5 31	13 50.48	-5 50.4	2.294	3.120	12.6	21.7	5 31	13 40.52	-24 18.1	1.914	2.773	13.4	18.8
55241	2001 <i>RL</i> ₈₆		4 26.2 111°44	0°9/25.4 18			407950	2012 <i>DM</i> ₆		4 26.2 82°30	2°7/24.3 18		
3 22	14 39.44	-14 16.9	1.789	2.628	14.2	19.7	3 22	14 41.59	-9 45.1	1.534	2.387	15.5	21.1
4 1	14 34.75	-13 31.7	1.719	2.637	10.7	19.5	4 1	14 36.50	-8 56.9	1.479	2.404	11.5	20.9
4 11	14 27.93	-12 35.4	1.672	2.645	6.6	19.2	4 11	14 29.05	-8 1.6	1.446	2.421	7.1	20.6
4 21	14 19.72	-11 32.1	1.651	2.652	2.2	19.0	4 21	14 20.11	-7 4.8	1.438	2.438	3.2	20.4
5 1	14 11.10	-10 27.8	1.657	2.660	2.7	19.0	5 1	14 10.81	-6 13.1	1.457	2.455	4.3	20.5
5 11	14 3.11	-9 28.8	1.691	2.668	7.0	19.3	5 11	14 2.35	-5 32.7	1.502	2.472	8.4	20.8
5 21	13 56.59	-8 40.6	1.751	2.675	10.9	19.5	5 21	13 55.63	-5 7.7	1.571	2.488	12.4	21.1
5 31	13 52.16	-8 6.8	1.832	2.682	14.3	19.8	5 31	13 51.26	-4 59.9	1.661	2.505	15.9	21.4
503260	2015 <i>KS</i> ₁₀₅		4 26.2 340°93	1°8/24.4 17			65625	4377 <i>T</i> ₋₃		4 26.2 312°06	3°8/24.2 18		
3 22	14 35.67	-11 14.1	2.183	3.025	11.9	21.3	3 22	14 41.68	-6 40.0	1.258	2.124	17.3	18.1
4 1	14 31.63	-10 21.6	2.104	3.024	8.8	21.1	4 1	14 37.52	-6 18.9	1.180	2.111	13.2	17.9
4 11	14 25.88	-9 21.5	2.050	3.024	5.4	20.9	4 11	14 30.26	-5 53.8	1.122	2.099	8.4	17.5
4 21	14 19.00	-8 18.0	2.023	3.023	2.2	20.7	4 21	14 20.70	-5 29.7	1.087	2.086	4.2	17.3
5 1	14 11.75	-7 16.2	2.024	3.023	3.1	20.7	5 1	14 10.15	-5 13.2	1.077	2.074	5.5	17.3
5 11	14 4.93	-6 21.4	2.053	3.022	6.6	21.0	5 11	14 0.18	-5 10.2	1.090	2.063	10.4	17.5
5 21	13 59.24	-5 37.7	2.108	3.022	9.9	21.2	5 21	13 52.16	-5 24.1	1.125	2.052	15.4	17.8
5 31	13 55.20	-5 8.0	2.186	3.021	12.9	21.4	5 31	13 47.06	-5 56.5	1.179	2.041	19.8	18.0
363258	2002 <i>CW</i> ₂₆₄		4 26.2 61°34	4°7/23.1 18			51881	2001 <i>PF</i> ₅₈		4 26.2 174°60	2°8/28.6 18		
3 22	14 40.53	-6 33.2	1.299	2.166	16.9	21.2	3 22	14 40.58	-23 8.2	2.393	3.187	12.5	19.1
4 1	14 36.05	-5 27.2	1.248	2.179	12.6	21.0	4 1	14 35.34	-23 21.8	2.305	3.188	9.9	18.9
4 11	14 28.91	-4 16.3	1.218	2.193	8.1	20.8	4 11	14 28.24	-23 23.2	2.240	3.189	6.9	18.7
4 21	14 20.07	-3 8.5	1.212	2.207	4.8	20.6	4 21	14 19.85	-23 12.4	2.202	3.190	4.0	18.5
5 1	14 10.82	-2 12.3	1.231	2.222	6.3	20.8	5 1	14 10.98	-22 50.9	2.192	3.191	3.0	18.4
5 11	14 2.50	-1 34.6	1.274	2.236	10.4	21.0	5 11	14 2.51	-22 22.0	2.211	3.191	5.3	18.6
5 21	13 56.12	-1 18.8	1.339	2.251	14.6	21.3	5 21	13 55.21	-21 49.8	2.257	3.191	8.3	18.8
5 31	13 52.34	-1 25.2	1.424	2.265	18.1	21.6	5 31	13 49.67	-21 18.9	2.328	3.191	11.2	18.9
317548	2002 <i>UQ</i> ₃₀		4 26.2 172°00	0°2/26.3 17			102021	1999 <i>RV</i> ₉₂		4 26.2 134°11	1°2/27.1 18		
3 22	1												

EPHEMERIDES

4 26.2

4 26.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
372466	2009 <i>SJ</i> ₁₅₆		4 26.2 206°65	0°3/26.4	17		218871	2006 <i>YL</i> ₁		4 26.2 158°76	1°0/26.9	18	
3 22	14 41.58	-15 46.2	2.000	2.826	13.5	22.0	3 22	14 42.45	-17 33.6	1.959	2.780	13.9	20.6
4 1	14 36.34	-15 35.8	1.914	2.823	10.2	21.8	4 1	14 36.98	-17 26.3	1.880	2.785	10.6	20.4
4 11	14 28.97	-15 15.5	1.851	2.819	6.5	21.6	4 11	14 29.36	-17 7.7	1.824	2.789	6.8	20.1
4 21	14 20.13	-14 47.2	1.814	2.815	2.4	21.3	4 21	14 20.27	-16 39.4	1.794	2.793	2.7	19.9
5 1	14 10.73	-14 14.1	1.806	2.810	2.0	21.3	5 1	14 10.67	-16 4.5	1.792	2.797	2.0	19.8
5 11	14 1.78	-13 40.8	1.826	2.805	6.2	21.5	5 11	14 1.63	-15 27.8	1.819	2.800	6.1	20.1
5 21	13 54.18	-13 11.9	1.872	2.800	10.1	21.7	5 21	13 54.01	-14 54.3	1.871	2.803	9.9	20.3
5 31	13 48.59	-12 51.2	1.941	2.795	13.5	22.0	5 31	13 48.47	-14 28.1	1.947	2.805	13.3	20.6
36535	2000 <i>QS</i> ₈₈		4 26.2 124°16	0°5/26.5	18		27912	1996 <i>TJ</i> ₁₄		4 26.2 211°60	3°6/29.5	18	
3 22	14 42.70	-17 41.1	1.671	2.501	15.5	19.3	3 22	14 40.23	-26 4.8	2.483	3.264	12.5	18.7
4 1	14 37.34	-17 7.6	1.603	2.513	11.8	19.0	4 1	14 35.11	-26 19.3	2.388	3.260	10.1	18.5
4 11	14 29.61	-16 19.7	1.557	2.526	7.4	18.8	4 11	14 28.13	-26 20.4	2.317	3.256	7.3	18.3
4 21	14 20.32	-15 20.7	1.537	2.537	2.7	18.5	4 21	14 19.84	-26 7.4	2.271	3.251	4.7	18.1
5 1	14 10.61	-14 15.9	1.544	2.549	2.2	18.5	5 1	14 11.04	-25 41.5	2.254	3.247	3.7	18.1
5 11	14 1.64	-13 12.5	1.579	2.559	6.9	18.8	5 11	14 2.60	-25 6.0	2.265	3.242	5.4	18.2
5 21	13 54.37	-12 17.0	1.638	2.570	11.1	19.1	5 21	13 55.28	-24 25.1	2.303	3.237	8.2	18.3
5 31	13 49.44	-11 34.3	1.721	2.579	14.7	19.4	5 31	13 49.71	-23 43.9	2.366	3.231	11.0	18.5
98740	2000 <i>YN</i> ₄₃		4 26.2 118°51	5°5/21.5	18		323862	2005 <i>SO</i> ₁₄₃		4 26.2 292°29	3°7/23.2	17	
3 22	14 39.41	+ 0 5.7	1.975	2.824	12.7	19.4	3 22	14 37.49	- 8 6.4	1.642	2.499	14.4	20.8
4 1	14 34.47	+ 1 3.6	1.913	2.831	9.7	19.2	4 1	14 33.58	- 6 57.9	1.564	2.491	10.8	20.5
4 11	14 27.65	+ 1 59.5	1.876	2.838	6.9	19.0	4 11	14 27.39	- 5 41.5	1.508	2.483	6.9	20.3
4 21	14 19.62	+ 2 47.6	1.865	2.845	5.5	19.0	4 21	14 19.62	- 4 23.4	1.479	2.476	3.8	20.1
5 1	14 11.25	+ 3 22.5	1.881	2.852	6.7	19.1	5 1	14 11.26	- 3 11.6	1.476	2.468	5.3	20.1
5 11	14 3.46	+ 3 40.3	1.924	2.858	9.4	19.2	5 11	14 3.44	- 2 13.3	1.499	2.460	9.2	20.3
5 21	13 56.97	+ 3 39.6	1.990	2.864	12.3	19.4	5 21	13 57.08	- 1 33.7	1.545	2.452	13.2	20.6
5 31	13 52.35	+ 3 20.7	2.077	2.871	14.9	19.6	5 31	13 52.90	- 1 15.3	1.611	2.445	16.7	20.8
396661	2002 <i>OS</i> ₃₃		4 26.2 315°12	2°3/24.8	17		271643	2004 <i>PJ</i> ₁₀₁		4 26.2 257°57	6°1/30.4	18	
3 22	14 34.62	-13 17.6	1.021	1.902	19.2	21.6	3 22	14 43.96	-29 54.1	2.031	2.800	15.2	20.3
4 1	14 32.97	-12 28.6	0.932	1.872	14.8	21.2	4 1	14 38.61	-30 38.5	1.930	2.787	12.7	20.1
4 11	14 27.90	-11 19.2	0.861	1.842	9.3	20.8	4 11	14 30.69	-31 6.2	1.850	2.774	9.9	19.9
4 21	14 20.03	- 9 54.1	0.811	1.813	3.5	20.4	4 21	14 20.84	-31 14.1	1.795	2.760	7.2	19.7
5 1	14 10.69	- 8 23.3	0.783	1.785	4.9	20.3	5 1	14 10.06	-31 1.4	1.766	2.746	6.1	19.6
5 11	14 1.69	- 7 0.0	0.775	1.758	11.5	20.6	5 11	13 59.61	-30 30.6	1.764	2.732	7.5	19.7
5 21	13 54.75	- 5 56.4	0.787	1.732	17.9	20.8	5 21	13 50.60	-29 47.1	1.787	2.717	10.4	19.8
5 31	13 51.16	- 5 20.8	0.815	1.707	23.6	21.0	5 31	13 43.91	-28 58.3	1.834	2.702	13.5	20.0
255516	2006 <i>BP</i> ₂₆₀		4 26.2 143°55	1°3/27.6	17		441134	2007 <i>TM</i> ₁₂₁		4 26.2 195°14	0°6/27.1	18	
3 22	14 36.82	-19 29.8	2.908	3.713	10.2	21.3	3 22	14 33.89	-17 44.7	3.922	4.726	7.8	22.5
4 1	14 32.14	-19 24.1	2.823	3.718	7.9	21.2	4 1	14 29.65	-17 32.1	3.827	4.724	6.0	22.4
4 11	14 26.06	-19 9.6	2.763	3.722	5.2	21.0	4 11	14 24.40	-17 13.4	3.759	4.721	3.8	22.2
4 21	14 19.06	-18 47.4	2.731	3.727	2.4	20.8	4 21	14 18.48	-16 49.6	3.720	4.718	1.6	22.0
5 1	14 11.75	-18 19.6	2.727	3.731	1.7	20.7	5 1	14 12.34	-16 22.6	3.710	4.715	1.1	22.0
5 11	14 4.78	-17 49.0	2.754	3.735	4.3	20.9	5 11	14 6.41	-15 54.5	3.731	4.711	3.4	22.2
5 21	13 58.71	-17 19.0	2.808	3.739	7.0	21.1	5 21	14 1.10	-15 27.5	3.781	4.707	5.6	22.3
5 31	13 53.99	-16 52.6	2.887	3.742	9.5	21.3	5 31	13 56.75	-15 3.8	3.857	4.703	7.5	22.4
180998	2005 <i>NF</i> ₃₆		4 26.2 187°64	6°9/16.9	18		170090	2002 <i>XK</i> ₄₁		4 26.2 274°86	1°2/25.1	17	
3 22	14 36.29	+11 1.0	2.876	3.702	9.8	21.4	3 22	14 37.97	-11 35.5	2.131	2.970	12.3	20.3
4 1	14 31.67	+12 16.6	2.816	3.702	8.2	21.3	4 1	14 33.46	-11 10.0	2.048	2.966	9.2	20.1
4 11	14 25.73	+13 24.8	2.782	3.701	7.1	21.2	4 11	14 27.10	-10 37.8	1.989	2.962	5.7	19.9
4 21	14 18.94	+14 20.7	2.774	3.699	7.0	21.2	4 21	14 19.48	-10 1.8	1.957	2.958	2.1	19.7
5 1	14 11.88	+15 0.0	2.794	3.697	8.0	21.2	5 1	14 11.41	- 9 26.0	1.953	2.954	2.7	19.7
5 11	14 5.18	+15 20.4	2.839	3.695	9.5	21.3	5 11	14 3.76	- 8 54.8	1.976	2.950	6.4	19.9
5 21	13 59.36	+15 21.3	2.906	3.692	11.2	21.4	5 21	13 57.28	- 8 31.8	2.026	2.946	9.9	20.1
5 31	13 54.84	+15 3.9	2.994	3.689	12.8	21.6	5 31	13 52.57	- 8 19.8	2.099	2.942	13.0	20.3
301559	2009 <i>HL</i> ₉		4 26.2 1°19	6°2/20.8	17		79135	1991 <i>JV</i>		4 26.2 107°94	18°9/18.8	18	
3 22	14 36.96	+ 2 36.9	1.987	2.840	12.5	20.0	3 22	14 56.32	+25 18.3	1.139	1.947	22.6	18.7
4 1	14 32.69	+ 3 31.5	1.922	2.839	9.8	19.8	4 1	14 48.28	+26 35.6	1.107	1.957	20.6	18.6
4 11	14 26.58	+ 4 22.1	1.881	2.839	7.3	19.7	4 11	14 36.60	+27 17.0	1.092	1.966	19.2	18.5
4 21	14 19.28	+ 5 2.9	1.866	2.839	6.2	19.6	4 21	14 22.73	+27 10.2	1.094	1.976	18.9	18.5
5 1	14 11.59	+ 5 28.6	1.877	2.839	7.4	19.7	5 1	14 8.61	+26 9.2	1.116	1.985	19.7	18.6
5 11	14 4.40	+ 5 35.8	1.913	2.840	9.9	19.8	5 11	13 56.16	+24 17.6	1.155	1.993	21.4	18.8
5 21	13 58.45	+ 5 23.4	1.973	2.841	12.6	20.0	5 21	13 46.65	+21 45.7	1.212	2.002	23.4	18.9
5 31	13 54.29	+ 4 52.3	2.053	2.842	15.1	20.2	5 31	13 40.73	+18 46.1	1.284	2.010	25.5	19.1
438374	2006 <i>TF</i> ₄₃		4 26.2 213°46	0°4/26.6	17		279737	1996 <i>UO</i> ₃		4 26.2 186°89	0°2/26.4	18	
3 22	14 36.33	-17 56.0	2.468	3.287	11.4	21.6	3 22	14 37.01	-17 19.4	2.472	3.292	11.4	21.2
4 1	14 32.02	-17 17.8	2.379	3.284	8.7	21.5	4 1	14 32.50	-16 39.7	2.386	3.291	8.6	21.0
4 11	14 26.09	-16 28.6	2.315	3.281	5.5	21.2	4 11	14 26.38	-15 49.5	2.324	3.291	5.4	20.8
4 21	14 19.10	-15 30.8	2.277	3.277	2.1	21.0	4 21	14 19.21	-14 51.2	2.289	3.290	2.0	20.5
5 1	14 11.74	-14 28.2	2.269	3.274	1.6	21.0	5 1	14 11.69	-13 48.8	2.284	3.289	1.7	20.5
5 11	14 4.76	-13 25.8	2.290	3.270	5.1	21.2	5 11	14 4.56	-12 47.2	2.308	3.287	5.2	20.7
5 21	13 58.81	-12 28.1	2.338	3.266	8.4	21.4	5 21	13 58.48	-11 50.8	2.360	3.285	8.4	20.9
5 31	13 54.41	-11 39.2	2.411	3.261	11.3	21.6	5 31	13 53.95	-11 3.7	2.436	3.283	11.3	21.1
478252	2011 <i>UJ</i> ₃₆₈		4 26.2 227°43	0°7/25.5	16		263367	2008 <i>CZ</i> ₁₅₈					

EPHEMERIDES

4 26.2

4 26.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
338579	2003 <i>SB</i> ₁₁₂		4 26.2 256°67	1°4/27.1	18		34919	Imelda		4 26.2 147°70	0°6/27.1	18	
3 22	14 43.65	-17 18.7	2.219	3.031	12.8	20.2	3 22	14 34.40	-17 41.6	3.944	4.747	7.8	20.9
4 1	14 37.93	-17 36.5	2.114	3.014	9.9	20.0	4 1	14 30.00	-17 31.6	3.859	4.755	5.9	20.8
4 11	14 30.06	-17 46.0	2.034	2.996	6.5	19.7	4 11	14 24.61	-17 15.8	3.801	4.763	3.8	20.6
4 21	14 20.60	-17 47.3	1.980	2.978	2.8	19.4	4 21	14 18.59	-16 55.1	3.772	4.770	1.6	20.5
5 1	14 10.38	-17 41.7	1.955	2.959	2.1	19.4	5 1	14 12.37	-16 31.3	3.773	4.777	1.1	20.4
5 11	14 0.42	-17 32.0	1.959	2.940	5.8	19.6	5 11	14 6.39	-16 6.4	3.805	4.784	3.3	20.6
5 21	13 51.63	-17 21.7	1.991	2.920	9.5	19.8	5 21	14 1.05	-15 42.6	3.865	4.791	5.4	20.8
5 31	13 44.75	-17 14.7	2.046	2.900	12.9	19.9	5 31	13 56.68	-15 21.9	3.952	4.797	7.4	20.9
245661	2005 <i>YX</i> ₂₈₀		4 26.2 126°32	1°9/27.5	18		456857	2007 <i>UX</i> ₁₂₇		4 26.2 136°91	3°7/23.8	16	
3 22	14 43.98	-20 16.9	1.563	2.388	16.7	21.7	3 22	14 43.75	-5 43.4	1.673	2.521	14.6	21.8
4 1	14 38.58	-20 2.9	1.493	2.398	12.9	21.4	4 1	14 38.11	-5 11.1	1.606	2.528	11.0	21.6
4 11	14 30.54	-19 32.2	1.445	2.408	8.5	21.2	4 11	14 30.12	-4 36.3	1.563	2.535	7.1	21.4
4 21	14 20.72	-18 46.4	1.421	2.418	3.8	20.9	4 21	14 20.58	-4 3.8	1.545	2.541	3.9	21.2
5 1	14 10.37	-17 50.1	1.424	2.428	2.6	20.9	5 1	14 10.56	-3 39.0	1.554	2.547	5.0	21.3
5 11	14 0.80	-16 50.2	1.453	2.437	7.0	21.2	5 11	14 1.22	-3 26.2	1.591	2.553	8.7	21.5
5 21	13 53.08	-15 54.2	1.507	2.445	11.4	21.4	5 21	13 53.52	-3 28.0	1.651	2.558	12.6	21.8
5 31	13 47.93	-15 8.4	1.584	2.453	15.2	21.7	5 31	13 48.11	-3 45.4	1.733	2.563	15.9	22.0
10499	1986 <i>RN</i> ₅		4 26.2 256°21	2°7/27.9	18		99319	2001 <i>TX</i> ₉₂		4 26.2 232°09	1°4/27.4	18	
3 22	14 44.75	-20 58.3	1.753	2.567	15.6	18.7	3 22	14 41.17	-19 41.1	2.108	2.921	13.3	21.0
4 1	14 39.40	-21 11.9	1.650	2.547	12.3	18.5	4 1	14 36.08	-19 26.5	2.010	2.909	10.3	20.8
4 11	14 31.31	-21 11.3	1.569	2.527	8.4	18.2	4 11	14 28.88	-18 58.8	1.935	2.897	6.8	20.6
4 21	14 21.11	-20 56.0	1.513	2.507	4.4	17.9	4 21	14 20.19	-18 19.3	1.887	2.884	3.0	20.3
5 1	14 9.88	-20 27.2	1.483	2.485	3.2	17.7	5 1	14 10.86	-17 31.0	1.867	2.871	2.1	20.2
5 11	13 58.95	-19 49.4	1.481	2.463	7.1	17.9	5 11	14 1.92	-16 38.7	1.875	2.857	5.9	20.4
5 21	13 49.55	-19 8.9	1.504	2.441	11.5	18.1	5 21	13 54.24	-15 48.1	1.911	2.843	9.7	20.6
5 31	13 42.63	-18 32.4	1.550	2.418	15.6	18.3	5 31	13 48.51	-15 4.3	1.970	2.828	13.1	20.8
169328	2001 <i>TN</i> ₁₅₇		4 26.2 188°64	0°8/25.3	17		69188	1258 <i>T</i> ₋₁		4 26.2 350°60	3°0/24.2	18	
3 22	14 37.49	-12 37.6	2.734	3.560	10.3	21.9	3 22	14 28.08	-13 11.7	0.911	1.807	19.6	18.1
4 1	14 32.70	-12 8.0	2.648	3.559	7.7	21.7	4 1	14 27.87	-12 0.5	0.846	1.794	14.7	17.7
4 11	14 26.45	-11 32.2	2.587	3.558	4.7	21.5	4 11	14 24.48	-10 28.0	0.800	1.784	9.1	17.4
4 21	14 19.25	-10 52.6	2.555	3.556	1.6	21.3	4 21	14 18.78	-8 43.2	0.774	1.776	3.7	17.0
5 1	14 11.71	-10 12.4	2.552	3.554	2.0	21.3	5 1	14 12.17	-6 59.6	0.768	1.770	5.5	17.1
5 11	14 4.51	-9 35.3	2.579	3.552	5.1	21.5	5 11	14 6.34	-5 31.7	0.783	1.765	11.4	17.4
5 21	13 58.25	-9 4.4	2.633	3.549	8.1	21.7	5 21	14 2.64	-4 30.2	0.816	1.764	17.1	17.7
5 31	13 53.38	-8 42.2	2.712	3.545	10.7	21.9	5 31	14 1.97	-4 0.5	0.866	1.764	22.0	18.0
251783	1999 <i>RD</i> ₁₄₈		4 26.2 266°99	1°3/27.2	17		287932	2003 <i>UO</i> ₄₁		4 26.2 129°13	0°6/25.8	18	
3 22	14 42.12	-19 2.2	1.778	2.601	15.0	21.4	3 22	14 42.53	-14 44.8	1.803	2.636	14.4	21.5
4 1	14 37.33	-18 47.1	1.671	2.577	11.7	21.1	4 1	14 37.05	-14 9.3	1.735	2.648	10.8	21.3
4 11	14 29.96	-18 16.9	1.587	2.552	7.7	20.8	4 11	14 29.39	-13 22.9	1.690	2.661	6.7	21.1
4 21	14 20.63	-17 32.6	1.528	2.526	3.3	20.5	4 21	14 20.31	-12 29.2	1.671	2.673	2.3	20.8
5 1	14 10.35	-16 37.5	1.496	2.500	2.3	20.3	5 1	14 10.83	-11 33.5	1.680	2.684	2.5	20.8
5 11	14 0.36	-15 37.7	1.491	2.474	7.0	20.6	5 11	14 2.03	-10 41.6	1.718	2.695	6.8	21.1
5 21	13 51.80	-14 40.2	1.512	2.446	11.6	20.8	5 21	13 54.79	-9 59.0	1.780	2.705	10.8	21.4
5 31	13 45.57	-13 51.7	1.555	2.419	15.7	20.9	5 31	13 49.72	-9 29.2	1.866	2.714	14.2	21.6
16068	Citron		4 26.2 350°86	5°7/22.6	18		457429	2008 <i>UA</i> ₄₀		4 26.2 189°19	0°9/26.9	16	
3 22	14 35.08	-5 26.8	1.110	1.994	17.7	17.4	3 22	14 42.86	-18 46.1	1.677	2.503	15.6	22.5
4 1	14 32.61	-4 21.4	1.047	1.987	13.4	17.1	4 1	14 37.69	-18 14.6	1.595	2.502	12.0	22.2
4 11	14 27.18	-3 10.0	1.003	1.981	8.9	16.8	4 11	14 30.01	-17 27.0	1.535	2.501	7.7	22.0
4 21	14 19.65	-2 2.0	0.981	1.976	5.8	16.6	4 21	14 20.59	-16 25.9	1.500	2.500	3.0	21.7
5 1	14 11.35	-1 7.4	0.982	1.973	7.6	16.7	5 1	14 10.55	-15 16.3	1.493	2.498	2.2	21.6
5 11	14 3.80	-0 34.9	1.005	1.970	12.1	16.9	5 11	14 1.12	-14 5.8	1.513	2.495	7.0	21.9
5 21	13 58.24	-0 28.7	1.047	1.969	16.7	17.2	5 21	13 53.36	-13 1.5	1.558	2.491	11.4	22.1
5 31	13 55.50	-0 49.3	1.107	1.969	20.8	17.4	5 31	13 47.99	-12 9.8	1.626	2.487	15.3	22.4
436339	2010 <i>HY</i> ₄₂		4 26.2 298°01	4°9/21.3	16		172488	2003 <i>ST</i> ₁₃₁		4 26.2 112°52	0°4/25.9	18	
3 22	14 36.51	-2 24.7	2.124	2.975	11.8	21.6	3 22	14 42.92	-15 13.9	1.757	2.589	14.8	21.3
4 1	14 32.54	-1 15.2	2.022	2.943	9.1	21.4	4 1	14 37.35	-14 40.2	1.693	2.606	11.1	21.1
4 11	14 26.67	-0 2.2	1.944	2.910	6.4	21.2	4 11	14 29.56	-13 55.2	1.653	2.623	6.9	20.9
4 21	14 19.42	+ 1 8.3	1.893	2.877	4.9	21.0	4 21	14 20.37	-13 2.6	1.638	2.640	2.3	20.6
5 1	14 11.51	+ 2 10.1	1.869	2.844	6.3	21.0	5 1	14 10.81	-12 7.5	1.652	2.656	2.4	20.7
5 11	14 3.83	+ 2 57.3	1.872	2.811	9.3	21.1	5 11	14 2.00	-11 16.0	1.693	2.671	6.8	21.0
5 21	13 57.20	+ 3 25.9	1.900	2.778	12.6	21.3	5 21	13 54.81	-10 33.5	1.760	2.686	10.8	21.3
5 31	13 52.27	+ 3 34.2	1.948	2.744	15.6	21.4	5 31	13 49.82	-10 3.7	1.849	2.700	14.2	21.5
301213	2009 <i>AP</i> ₄₅		4 26.2 268°76	0°9/27.0	17		487585	2015 <i>FM</i> ₃₃₂		4 26.2 145°03	6°7/20.9	17	
3 22	14 37.68	-18 2.1	2.234	3.055	12.4	21.0	3 22	14 41.61	-10 11.0	1.040	1.914	19.5	21.8
4 1	14 33.24	-17 47.2	2.146	3.052	9.5	20.8	4 1	14 37.54	-7 13.1	0.983	1.920	14.5	21.5
4 11	14 26.98	-17 21.5	2.083	3.048	6.1	20.6	4 11	14 30.19	-3 54.9	0.948	1.926	9.4	21.2
4 21	14 19.48	-16 46.8	2.046	3.045	2.5	20.3	4 21	14 20.67	-0 34.2	0.938	1.931	6.7	21.1
5 1	14 11.52	-16 6.1	2.037	3.042	1.8	20.3	5 1	14 10.55	+ 2 27.9	0.953	1.935	9.5	21.3
5 11	14 3.96	-15 23.8	2.057	3.038	5.4	20.5	5 11	14 1.53	+ 4 53.7	0.992	1.939	14.5	21.5
5 21	13 57.56	-14 44.5	2.103	3.035	8.9	20.7	5 21	13 54.86	+ 6 34.5	1.051	1.943	19.3	21.8
5 31	13 52.89	-14 12.2	2.172	3.032	12.0	20.9	5 31	13 51.29	+ 7 30.1	1.126	1.946	23.2	22.1
333980	2000 <i>RL</i> ₁₂		4 26.2 342°37	31°3/22.0	17		499547	2010 <i>RP</i> ₁₂₄		4 26.2 282°06	3°1/23.9	17	

EPHEMERIDES

4 26.2

4 26.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
367159	2006 VZ ₂₉	4 26.2 250°04		0°9/26.9 17			374537	2006 BM ₉	4 26.2 149°50		3°4/23.2 17		
3 22	14 41.65	-17 52.9	1.879	2.703	14.3	21.6	3 22	14 39.77	-5 53.1	2.165	3.007	12.0	21.7
4 1	14 36.72	-17 38.3	1.781	2.687	11.0	21.4	4 1	14 34.65	-5 0.9	2.096	3.015	9.0	21.5
4 11	14 29.43	-17 10.8	1.706	2.672	7.1	21.1	4 11	14 27.78	-4 5.7	2.052	3.022	5.8	21.3
4 21	14 20.43	-16 31.8	1.656	2.656	2.9	20.8	4 21	14 19.77	-3 12.3	2.035	3.029	3.5	21.2
5 1	14 10.67	-15 44.7	1.634	2.639	2.1	20.7	5 1	14 11.43	-2 25.5	2.047	3.035	4.5	21.3
5 11	14 1.29	-14 55.2	1.640	2.622	6.6	21.0	5 11	14 3.59	-1 49.9	2.087	3.041	7.5	21.5
5 21	13 53.30	-14 8.9	1.672	2.605	10.8	21.2	5 21	13 56.97	-1 28.3	2.152	3.046	10.6	21.7
5 31	13 47.47	-13 31.6	1.727	2.587	14.6	21.4	5 31	13 52.09	-1 21.8	2.239	3.051	13.4	21.8
13963	Euphrates	4 26.2 240°49		0°1/26.3 18			208600	2002 CT ₁₆₁	4 26.2 33°40		1°9/27.2 18		
3 22	14 36.24	-15 36.1	3.117	3.932	9.4	19.9	3 22	14 42.48	-17 46.1	1.209	2.060	18.9	20.0
4 1	14 31.71	-15 13.8	3.013	3.917	7.1	19.7	4 1	14 38.12	-18 4.0	1.148	2.067	14.6	19.8
4 11	14 25.85	-14 44.3	2.935	3.902	4.5	19.5	4 11	14 30.60	-18 6.9	1.106	2.076	9.5	19.5
4 21	14 19.08	-14 9.4	2.886	3.887	1.6	19.3	4 21	14 20.88	-17 55.7	1.086	2.085	4.1	19.2
5 1	14 11.95	-13 31.5	2.866	3.871	1.4	19.2	5 1	14 10.43	-17 33.8	1.091	2.095	2.9	19.2
5 11	14 5.05	-12 53.7	2.877	3.854	4.4	19.4	5 11	14 0.89	-17 7.4	1.119	2.106	8.1	19.5
5 21	13 58.92	-12 19.2	2.915	3.838	7.2	19.6	5 21	13 53.55	-16 43.5	1.170	2.117	13.1	19.8
5 31	13 54.01	-11 50.6	2.979	3.821	9.6	19.7	5 31	13 49.26	-16 28.0	1.241	2.128	17.4	20.1
507461	2012 TD ₁₅₇	4 26.2 207°76		0°6/25.7 17			488532	2001 RQ ₁₀₈	4 26.2 199°79		12°0/ 1.5 18		
3 22	14 38.33	-14 5.1	2.241	3.071	12.1	22.3	3 22	14 55.82	-35 59.0	1.430	2.181	21.4	21.6
4 1	14 33.68	-13 35.4	2.156	3.068	9.1	22.1	4 1	14 49.27	-37 59.0	1.349	2.179	18.7	21.4
4 11	14 27.24	-12 57.1	2.095	3.065	5.6	21.9	4 11	14 38.37	-39 37.1	1.285	2.177	15.7	21.2
4 21	14 19.59	-12 12.9	2.061	3.062	1.9	21.6	4 21	14 23.87	-40 42.9	1.242	2.173	13.2	21.0
5 1	14 11.51	-11 26.8	2.056	3.059	2.1	21.6	5 1	14 7.48	-41 8.6	1.222	2.170	12.0	20.9
5 11	14 3.85	-10 43.2	2.079	3.055	5.9	21.9	5 11	13 51.54	-40 54.2	1.225	2.165	13.0	21.0
5 21	13 57.32	-10 6.5	2.128	3.051	9.4	22.1	5 21	13 38.24	-40 8.0	1.251	2.161	15.5	21.1
5 31	13 52.50	-9 40.0	2.202	3.047	12.4	22.3	5 31	13 29.05	-39 3.6	1.296	2.155	18.5	21.3
72475	2001 DJ ₃₅	4 26.2 350°33		3°7/23.2 18			338967	2004 FK ₄₆	4 26.2 103°54		0°3/26.0 17		
3 22	14 36.53	-7 14.2	1.661	2.521	14.1	19.0	3 22	14 39.67	-13 59.8	2.230	3.059	12.2	20.8
4 1	14 32.80	-6 15.4	1.589	2.518	10.6	18.8	4 1	14 34.60	-13 47.1	2.157	3.068	9.2	20.6
4 11	14 26.89	-5 10.9	1.540	2.515	6.8	18.5	4 11	14 27.77	-13 27.1	2.108	3.078	5.7	20.4
4 21	14 19.50	-4 6.6	1.517	2.513	3.9	18.4	4 21	14 19.78	-13 1.8	2.086	3.087	1.9	20.2
5 1	14 11.60	-3 9.5	1.519	2.511	5.2	18.4	5 1	14 11.43	-12 34.5	2.093	3.097	1.9	20.2
5 11	14 4.26	-2 25.9	1.548	2.510	8.9	18.7	5 11	14 3.57	-12 8.8	2.128	3.106	5.6	20.5
5 21	13 58.37	-1 59.9	1.600	2.509	12.7	18.9	5 21	13 56.91	-11 48.3	2.190	3.115	9.0	20.7
5 31	13 54.56	-1 53.2	1.672	2.509	16.1	19.1	5 31	13 51.99	-11 35.8	2.275	3.124	11.9	20.9
291961	2006 QW ₅₁	4 26.2 210°20		0°2/26.4 18			468221	2015 BG ₁₀₉	4 26.2 218°91		2°6/24.3 17		
3 22	14 38.90	-15 31.8	2.401	3.223	11.6	21.0	3 22	14 42.68	-7 38.5	1.986	2.825	13.0	21.8
4 1	14 34.02	-15 18.0	2.313	3.220	8.8	20.8	4 1	14 37.18	-7 11.7	1.900	2.818	9.8	21.6
4 11	14 27.43	-14 55.8	2.248	3.216	5.5	20.5	4 11	14 29.56	-6 40.8	1.838	2.810	6.2	21.3
4 21	14 19.66	-14 27.2	2.212	3.212	2.0	20.3	4 21	14 20.46	-6 9.5	1.804	2.802	3.0	21.1
5 1	14 11.46	-13 54.9	2.204	3.208	1.7	20.3	5 1	14 10.79	-5 42.2	1.797	2.793	3.9	21.2
5 11	14 3.63	-13 22.8	2.224	3.204	5.3	20.5	5 11	14 1.55	-5 23.1	1.818	2.784	7.6	21.4
5 21	13 56.87	-12 54.7	2.272	3.199	8.7	20.7	5 21	13 53.64	-5 15.3	1.865	2.774	11.3	21.6
5 31	13 51.74	-12 33.6	2.344	3.194	11.6	20.9	5 31	13 47.71	-5 20.9	1.935	2.763	14.5	21.8
126283	2002 AG ₁₀₂	4 26.2 163°11		1°2/25.2 17			233215	2005 XO ₁₁₅	4 26.2 77°88		5°7/30.4 17		
3 22	14 40.72	-11 52.4	2.104	2.938	12.6	21.1	3 22	14 43.78	-28 50.1	1.901	2.680	15.8	20.7
4 1	14 35.50	-11 23.0	2.027	2.942	9.4	20.9	4 1	14 38.36	-29 32.8	1.824	2.689	13.0	20.5
4 11	14 28.38	-10 46.4	1.974	2.946	5.8	20.7	4 11	14 30.45	-29 57.7	1.768	2.697	9.8	20.3
4 21	14 19.99	-10 5.9	1.948	2.949	2.1	20.4	4 21	14 20.80	-30 2.6	1.736	2.705	7.0	20.2
5 1	14 11.19	-9 25.5	1.951	2.952	2.7	20.5	5 1	14 10.49	-29 47.6	1.730	2.714	5.7	20.1
5 11	14 2.89	-8 50.0	1.982	2.954	6.4	20.7	5 11	14 0.76	-29 16.4	1.751	2.722	7.3	20.2
5 21	13 55.85	-8 23.0	2.039	2.956	10.0	20.9	5 21	13 52.65	-28 34.8	1.797	2.731	10.1	20.4
5 31	13 50.66	-8 7.4	2.119	2.958	13.1	21.2	5 31	13 46.93	-27 50.2	1.866	2.739	13.1	20.6
223253	2003 FJ ₇₉	4 26.2 320°85		1°8/24.6 17			521061	2015 DJ ₂₃₈	4 26.2 280°36		0°1/26.3 17		
3 22	14 36.54	-14 12.5	1.690	2.538	14.5	19.7	3 22	14 37.98	-16 5.9	1.962	2.795	13.4	21.6
4 1	14 32.82	-12 53.1	1.612	2.535	10.9	19.4	4 1	14 33.74	-15 38.2	1.874	2.787	10.2	21.3
4 11	14 26.91	-11 19.3	1.557	2.532	6.7	19.2	4 11	14 27.45	-14 59.1	1.809	2.779	6.4	21.1
4 21	14 19.52	-9 36.9	1.528	2.529	2.5	18.9	4 21	14 19.73	-14 11.1	1.770	2.771	2.3	20.8
5 1	14 11.63	-7 54.3	1.526	2.526	3.6	19.0	5 1	14 11.46	-13 18.6	1.758	2.763	2.1	20.8
5 11	14 4.31	-6 20.4	1.552	2.524	7.9	19.2	5 11	14 3.62	-12 26.9	1.774	2.754	6.3	21.0
5 21	13 58.44	-5 2.4	1.602	2.522	12.1	19.5	5 21	13 57.06	-11 41.6	1.816	2.746	10.2	21.2
5 31	13 54.67	-4 5.0	1.674	2.519	15.7	19.7	5 31	13 52.43	-11 6.9	1.880	2.738	13.7	21.4
119672	2001 XC ₈₆	4 26.2 41°83		6°1/ 1.3 18			478341	2011 WR ₁₃₀	4 26.2 260°58		3°6/22.9 18		
3 22	14 39.54	-30 43.9	1.438	2.237	19.1	18.0	3 22	14 38.13	-2 45.8	2.427	3.270	10.9	21.2
4 1	14 35.54	-30 46.5	1.380	2.257	15.6	17.8	4 1	14 33.35	-2 16.7	2.348	3.265	8.2	21.0
4 11	14 28.74	-30 21.9	1.341	2.278	11.7	17.6	4 11	14 26.97	-1 47.7	2.294	3.261	5.5	20.8
4 21	14 20.15	-29 30.1	1.324	2.299	8.0	17.5	4 21	14 19.52	-1 22.5	2.267	3.257	3.7	20.7
5 1	14 11.12	-28 14.7	1.331	2.321	6.1	17.4	5 1	14 11.70	-1 4.8	2.269	3.253	4.6	20.7
5 11	14 3.05	-26 44.4	1.363	2.343	7.8	17.6	5 11	14 4.25	-0 57.5	2.298	3.248	7.2	20.9
5 21	13 57.02	-25 9.6	1.419	2.366	11.2	17.8	5 21	13 57.82	-1 2.2	2.354	3.244	10.0	21.1
5 31	13 53.66	-23 40.5	1.497	2.389	14.6	18.1	5 31	13 52.93	-1 19.8	2.432	3.240	12.5	21.2
10525	1990 TO	4 26.2 230°44		2°1/24.8 18			402898	2007 TJ ₁₂	4 26.2 229°10		0°3/25.9 17		
3 22	14 43.85	-10 1.0	1.790	2.629	14.2	18.3	3 22	14 34.07	-13 28.9	3.972	4.788	7.5	22.6

EPHEMERIDES

4 26.2

4 26.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
107609	2001 <i>EY</i> ₃		4 26.2 121 ^o .72	5 ^o .4/21.6	18		353601	2011 <i>UC</i> ₁		4 26.2 266 ^o .34	1 ^o .7/27.8	16	
3 22	14 41.76	- 2 15.9	1.830	2.678	13.6	20.3	3 22	14 38.33	-20 26.4	2.375	3.184	12.1	21.6
4 1	14 36.30	- 0 54.4	1.776	2.695	10.3	20.2	4 1	14 33.79	-20 20.5	2.275	3.170	9.5	21.4
4 11	14 28.85	+ 0 27.3	1.747	2.712	7.1	20.0	4 11	14 27.41	-20 3.2	2.198	3.157	6.3	21.2
4 21	14 20.16	+ 1 42.1	1.744	2.728	5.4	19.9	4 21	14 19.74	-19 35.2	2.148	3.143	3.1	21.0
5 1	14 11.19	+ 2 43.2	1.769	2.743	6.7	20.0	5 1	14 11.53	-18 58.8	2.126	3.129	2.1	20.9
5 11	14 2.93	+ 3 25.6	1.821	2.757	9.7	20.2	5 11	14 3.63	-18 17.8	2.133	3.115	5.2	21.0
5 21	13 56.14	+ 3 47.0	1.896	2.771	12.7	20.5	5 21	13 56.80	-17 36.8	2.166	3.101	8.6	21.2
5 31	13 51.38	+ 3 47.5	1.992	2.784	15.4	20.7	5 31	13 51.66	-17 0.2	2.224	3.086	11.7	21.4
55926	1998 <i>FE</i> ₆₀		4 26.2 72 ^o .85	3 ^o .3/22.9	17		385196	1999 <i>FL</i> ₈₉		4 26.2 356 ^o .39	0 ^o .2/26.4	17	
3 22	14 36.82	- 6 48.9	2.124	2.972	12.0	18.7	3 22	14 38.17	-15 41.1	2.011	2.843	13.2	21.8
4 1	14 32.41	- 5 41.6	2.068	2.990	8.9	18.6	4 1	14 33.79	-15 27.1	1.930	2.843	10.0	21.5
4 11	14 26.35	- 4 30.8	2.037	3.009	5.7	18.4	4 11	14 27.44	-15 3.4	1.873	2.842	6.3	21.3
4 21	14 19.28	- 3 21.9	2.033	3.027	3.4	18.3	4 21	14 19.74	-14 32.2	1.841	2.842	2.3	21.0
5 1	14 11.98	- 2 20.5	2.058	3.046	4.5	18.4	5 1	14 11.56	-13 56.9	1.837	2.841	1.9	21.0
5 11	14 5.24	- 1 31.2	2.110	3.064	7.5	18.6	5 11	14 3.85	-13 22.1	1.860	2.841	6.0	21.3
5 21	13 59.70	- 0 57.2	2.187	3.083	10.4	18.8	5 21	13 57.40	-12 52.2	1.910	2.841	9.7	21.5
5 31	13 55.82	- 0 39.6	2.287	3.101	13.0	19.0	5 31	13 52.84	-12 31.1	1.982	2.842	13.0	21.7
153822	2001 <i>WH</i> ₃₇		4 26.2 150 ^o .22	4 ^o .2/23.5	17		36810	2000 <i>SN</i> ₆₉		4 26.2 183 ^o .29	1 ^o .9/24.6	18	
3 22	14 44.03	- 2 33.1	1.894	2.736	13.4	20.4	3 22	14 39.89	-10 23.8	2.086	2.924	12.5	19.5
4 1	14 38.13	- 2 12.5	1.823	2.740	10.2	20.2	4 1	14 34.94	- 9 45.7	2.007	2.925	9.4	19.3
4 11	14 30.09	- 1 52.8	1.776	2.744	6.8	20.0	4 11	14 28.08	- 9 1.1	1.952	2.925	5.8	19.0
4 21	14 20.64	- 1 38.5	1.756	2.747	4.3	19.9	4 21	14 19.95	- 8 13.7	1.924	2.924	2.4	18.8
5 1	14 10.73	- 1 33.4	1.764	2.750	5.3	20.0	5 1	14 11.39	- 7 28.2	1.925	2.924	3.2	18.9
5 11	14 1.40	- 1 40.7	1.799	2.753	8.5	20.2	5 11	14 3.30	- 6 49.3	1.953	2.923	6.8	19.1
5 21	13 53.52	- 2 1.7	1.859	2.756	11.9	20.4	5 21	13 56.45	- 6 21.0	2.008	2.921	10.3	19.3
5 31	13 47.72	- 2 36.3	1.941	2.758	14.9	20.6	5 31	13 51.42	- 6 5.6	2.085	2.919	13.4	19.5
70972	1999 <i>XM</i> ₂₀		4 26.2 338 ^o .25	3 ^o .0/24.6	18		480776	2016 <i>PA</i> ₁₃		4 26.2 139 ^o .56	3 ^o .0/23.5	18	
3 22	14 42.13	- 7 42.8	1.416	2.274	16.2	18.3	3 22	14 38.83	- 4 33.3	2.476	3.315	10.8	21.4
4 1	14 37.47	- 7 26.7	1.343	2.270	12.3	18.1	4 1	14 33.80	- 4 7.1	2.403	3.319	8.1	21.3
4 11	14 30.07	- 7 6.3	1.292	2.267	7.7	17.8	4 11	14 27.21	- 3 40.0	2.355	3.323	5.2	21.1
4 21	14 20.72	- 6 45.9	1.264	2.264	3.5	17.5	4 21	14 19.62	- 3 15.5	2.334	3.328	3.1	21.0
5 1	14 10.63	- 6 30.8	1.262	2.261	4.5	17.6	5 1	14 11.71	- 2 56.8	2.343	3.332	4.0	21.0
5 11	14 1.20	- 6 25.9	1.286	2.259	9.1	17.8	5 11	14 4.21	- 2 47.0	2.380	3.336	6.6	21.2
5 21	13 53.56	- 6 34.4	1.332	2.256	13.6	18.1	5 21	13 57.74	- 2 47.7	2.443	3.339	9.5	21.4
5 31	13 48.55	- 6 58.1	1.398	2.255	17.6	18.3	5 31	13 52.80	- 2 59.8	2.530	3.343	12.0	21.6
4792	Lykaon		4 26.2 237 ^o .08	1 ^o .0/24.6	18 R		324485	2006 <i>UA</i> ₁₄₂		4 26.2 2 ^o .90	1 ^o .9/27.3	17	
3 22	14 30.82	- 9 4.0	4.735	5.562	6.2	17.7	3 22	14 41.51	-17 52.5	1.401	2.243	17.3	20.6
4 1	14 27.24	- 8 47.6	4.645	5.557	4.6	17.6	4 1	14 37.19	-18 11.3	1.327	2.242	13.4	20.3
4 11	14 22.90	- 8 29.2	4.582	5.552	2.8	17.4	4 11	14 29.99	-18 17.0	1.274	2.242	8.8	20.1
4 21	14 18.07	- 8 10.2	4.548	5.547	1.2	17.3	4 21	14 20.73	-18 10.1	1.244	2.242	3.9	19.8
5 1	14 13.06	- 7 52.3	4.544	5.542	1.6	17.3	5 1	14 10.67	-17 53.0	1.239	2.243	2.8	19.7
5 11	14 8.21	- 7 37.0	4.570	5.537	3.3	17.4	5 11	14 1.27	-17 30.9	1.259	2.245	7.5	20.0
5 21	14 3.82	- 7 25.7	4.625	5.531	5.1	17.6	5 21	13 53.75	-17 10.0	1.303	2.247	12.2	20.3
5 31	14 0.17	- 7 19.5	4.705	5.526	6.7	17.7	5 31	13 48.98	-16 55.8	1.367	2.249	16.4	20.5
118427	1999 <i>TM</i> ₁₄₈		4 26.2 326 ^o .15	2 ^o .7/28.1	18		386248	2008 <i>AV</i> ₁₃₄		4 26.2 39 ^o .22	4 ^o .1/22.5	17	
3 22	14 40.50	-21 0.0	1.748	2.569	15.3	19.2	3 22	14 35.69	- 5 11.9	1.886	2.743	12.8	20.2
4 1	14 36.00	-21 15.5	1.663	2.564	12.0	19.0	4 1	14 31.80	- 4 5.0	1.830	2.756	9.6	20.0
4 11	14 29.06	-21 17.1	1.599	2.559	8.2	18.7	4 11	14 26.09	- 2 55.6	1.798	2.770	6.3	19.9
4 21	14 20.36	-21 4.8	1.560	2.554	4.3	18.5	4 21	14 19.24	- 1 49.7	1.793	2.784	4.2	19.8
5 1	14 10.94	-20 40.4	1.547	2.549	3.1	18.4	5 1	14 12.10	- 0 53.5	1.814	2.799	5.4	19.9
5 11	14 2.00	-20 8.6	1.561	2.545	6.6	18.6	5 11	14 5.54	- 0 11.9	1.862	2.814	8.4	20.1
5 21	13 54.59	-19 35.0	1.600	2.541	10.6	18.8	5 21	14 0.27	+ 0 12.3	1.933	2.829	11.6	20.3
5 31	13 49.48	-19 5.3	1.661	2.537	14.3	19.0	5 31	13 56.80	+ 0 18.3	2.026	2.845	14.3	20.5
18553	Kinkakuji		4 26.2 318 ^o .50	0 ^o .2/26.4	18		205141	1999 <i>WR</i> ₁₄		4 26.2 199 ^o .67	0 ^o .2/26.1	17	
3 22	14 36.98	-15 38.1	2.018	2.852	13.0	18.0	3 22	14 39.46	-14 59.3	2.159	2.987	12.5	21.9
4 1	14 32.98	-15 23.4	1.927	2.840	9.9	17.7	4 1	14 34.63	-14 35.4	2.074	2.985	9.5	21.7
4 11	14 27.00	-14 58.9	1.859	2.829	6.3	17.5	4 11	14 27.91	-14 2.2	2.013	2.983	5.9	21.5
4 21	14 19.61	-14 26.5	1.817	2.818	2.3	17.2	4 21	14 19.91	-13 22.1	1.979	2.980	2.0	21.2
5 1	14 11.65	-13 49.7	1.802	2.807	2.0	17.2	5 1	14 11.45	-12 39.0	1.974	2.978	2.0	21.2
5 11	14 4.07	-13 13.3	1.815	2.797	6.1	17.4	5 11	14 3.41	-11 57.5	1.996	2.975	5.9	21.4
5 21	13 57.70	-12 41.7	1.854	2.786	9.9	17.6	5 21	13 56.59	-11 21.8	2.046	2.971	9.5	21.6
5 31	13 53.19	-12 19.1	1.915	2.777	13.3	17.8	5 31	13 51.56	-10 55.7	2.118	2.968	12.7	21.8
417586	2006 <i>VN</i> ₃₀		4 26.2 270 ^o .13	2 ^o .4/24.9	18		63767	2001 <i>QF</i> ₂₉₁		4 26.2 122 ^o .80	1 ^o .1/25.2	18	
3 22	14 44.51	- 7 57.7	1.708	2.551	14.6	20.5	3 22	14 41.25	-12 54.7	2.122	2.952	12.6	19.7
4 1	14 39.06	- 7 52.2	1.616	2.535	11.1	20.3	4 1	14 35.78	-12 12.6	2.056	2.969	9.4	19.6
4 11	14 31.03	- 7 43.2	1.546	2.518	7.0	20.0	4 11	14 28.49	-11 22.5	2.015	2.986	5.8	19.4
4 21	14 21.09	- 7 33.8	1.502	2.501	3.0	19.7	4 21	14 20.07	-10 28.0	2.001	3.002	2.0	19.1
5 1	14 10.28	- 7 27.9	1.485	2.484	3.8	19.7	5 1	14 11.36	- 9 33.9	2.016	3.018	2.6	19.2
5 11	13 59.85	- 7 29.3	1.495	2.467	8.2	19.9	5 11	14 3.24	- 8 45.1	2.060	3.033	6.2	19.5
5 21	13 50.91	- 7 41.1	1.530	2.449	12.6	20.1	5 21	13 56.44	- 8 5.8	2.131	3.047	9.7	19.7
5 31	13 44.33	- 8 5.2	1.587	2.432	16.4	20.3	5 31	13 51.47	- 7 38.8	2.225	3.061		

EPHEMERIDES

4 26.2

4 26.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
435932	2009 <i>BQ</i> ₁₅₂		4 26.2 275°58	5°7/ 1.1 17			501911	2014 <i>WD</i> ₄₇₆		4 26.3 248°50	1°1/25.4 17		
3 22	14 40.89	-30 55.9	2.152	2.918	14.6	21.6	3 22	14 42.21	-13 15.8	1.767	2.605	14.5	22.5
4 1	14 36.05	-31 24.5	2.062	2.916	12.2	21.4	4 1	14 37.26	-12 42.1	1.672	2.589	11.0	22.3
4 11	14 28.99	-31 35.3	1.993	2.914	9.4	21.2	4 11	14 29.88	-11 57.5	1.600	2.572	6.9	22.0
4 21	14 20.34	-31 26.5	1.949	2.912	6.9	21.1	4 21	14 20.72	-11 5.3	1.553	2.554	2.4	21.7
5 1	14 11.05	-30 58.3	1.930	2.910	5.7	21.0	5 1	14 10.76	-10 10.4	1.534	2.536	2.9	21.7
5 11	14 2.21	-30 14.2	1.939	2.908	6.9	21.1	5 11	14 1.20	-9 19.4	1.542	2.518	7.6	21.9
5 21	13 54.74	-29 19.9	1.973	2.906	9.4	21.2	5 21	13 53.08	-8 38.1	1.575	2.499	12.0	22.1
5 31	13 49.38	-28 22.2	2.032	2.904	12.2	21.4	5 31	13 47.20	-8 10.9	1.631	2.479	15.9	22.3
346046	2007 <i>UX</i> ₁₇		4 26.2 163°89	1°8/28.1 17			32396	2000 <i>QY</i> ₂₁₃		4 26.3 228°03	0°8/24.7 18		
3 22	14 37.64	-22 15.9	2.292	3.098	12.6	21.3	3 22	14 30.12	-9 57.7	4.907	5.733	6.0	19.9
4 1	14 33.19	-21 46.4	2.206	3.099	9.8	21.1	4 1	14 26.73	-9 35.5	4.815	5.727	4.5	19.8
4 11	14 26.97	-21 2.6	2.144	3.101	6.6	20.9	4 11	14 22.61	-9 11.0	4.750	5.721	2.7	19.7
4 21	14 19.57	-20 6.2	2.108	3.102	3.2	20.7	4 21	14 18.02	-8 45.5	4.715	5.715	1.1	19.5
5 1	14 11.78	-19 0.8	2.101	3.104	2.1	20.6	5 1	14 13.26	-8 20.7	4.710	5.709	1.5	19.5
5 11	14 4.45	-17 51.7	2.122	3.105	5.2	20.8	5 11	14 8.66	-7 58.4	4.735	5.703	3.2	19.7
5 21	13 58.28	-16 44.5	2.170	3.106	8.5	21.0	5 21	14 4.49	-7 39.9	4.789	5.697	4.9	19.8
5 31	13 53.84	-15 44.4	2.243	3.107	11.6	21.2	5 31	14 1.03	-7 26.4	4.868	5.690	6.5	19.9
464702	2002 <i>PT</i> ₃₀		4 26.2 230°48	2°8/23.8 17			82002	2000 <i>QG</i> ₂₁₉		4 26.3 295°08	0°1/26.2 17		
3 22	14 41.00	-8 36.1	2.015	2.855	12.8	22.2	3 22	14 37.97	-15 0.0	2.077	2.910	12.8	20.4
4 1	14 35.95	-7 42.7	1.924	2.843	9.6	21.9	4 1	14 33.78	-14 41.9	1.975	2.888	9.7	20.1
4 11	14 28.83	-6 42.5	1.858	2.830	6.1	21.7	4 11	14 27.57	-14 14.0	1.896	2.866	6.2	19.9
4 21	14 20.27	-5 40.1	1.818	2.816	3.1	21.5	4 21	14 19.89	-13 38.5	1.843	2.844	2.2	19.5
5 1	14 11.12	-4 41.1	1.808	2.802	4.2	21.5	5 1	14 11.53	-12 58.8	1.818	2.822	2.0	19.5
5 11	14 2.37	-3 51.3	1.825	2.786	7.8	21.7	5 11	14 3.46	-12 19.7	1.820	2.800	6.2	19.7
5 21	13 54.87	-3 15.3	1.867	2.771	11.5	21.9	5 21	13 56.54	-11 45.8	1.849	2.778	10.1	19.9
5 31	13 49.28	-2 55.6	1.932	2.754	14.8	22.1	5 31	13 51.46	-11 21.3	1.900	2.756	13.6	20.1
480772	2016 <i>PR</i> ₉		4 26.2 289°17	5°9/20.7 18			299270	2005 <i>NW</i> ₈₂		4 26.3 247°57	5°1/30.7 16		
3 22	14 37.04	+ 1 10.8	2.072	2.924	12.1	20.9	3 22	14 41.24	-30 3.9	2.470	3.231	13.1	21.0
4 1	14 32.83	+ 2 15.5	1.997	2.915	9.4	20.7	4 1	14 36.11	-30 33.6	2.370	3.221	10.9	20.8
4 11	14 26.80	+ 3 18.6	1.946	2.906	7.0	20.6	4 11	14 28.96	-30 48.3	2.292	3.212	8.4	20.6
4 21	14 19.53	+ 4 14.1	1.921	2.897	5.9	20.5	4 21	14 20.36	-30 46.3	2.239	3.202	6.1	20.5
5 1	14 11.82	+ 4 56.1	1.923	2.888	7.1	20.5	5 1	14 11.12	-30 27.7	2.213	3.193	5.1	20.4
5 11	14 4.53	+ 5 20.3	1.951	2.879	9.7	20.7	5 11	14 2.19	-29 55.1	2.215	3.183	6.2	20.4
5 21	13 58.39	+ 5 24.8	2.003	2.870	12.5	20.8	5 21	13 54.42	-29 12.9	2.243	3.172	8.6	20.6
5 31	13 53.99	+ 5 9.6	2.075	2.862	15.1	21.0	5 31	13 48.50	-28 26.8	2.297	3.162	11.2	20.7
275538	1998 <i>RA</i> ₆₃		4 26.2 225°60	3°0/23.2 18			192744	1999 <i>TQ</i> ₂₂₅		4 26.3 300°00	4°3/29.0 18		
3 22	14 38.49	-6 10.8	2.471	3.309	10.8	21.1	3 22	14 41.50	-24 19.1	1.776	2.583	15.7	19.7
4 1	14 33.67	-5 20.5	2.381	3.298	8.1	20.9	4 1	14 36.96	-24 49.8	1.681	2.570	12.6	19.4
4 11	14 27.22	-4 26.6	2.318	3.287	5.2	20.7	4 11	14 29.83	-25 5.3	1.607	2.556	9.1	19.2
4 21	14 19.67	-3 33.1	2.282	3.276	3.1	20.6	4 21	14 20.75	-25 3.9	1.557	2.543	5.7	18.9
5 1	14 11.69	-2 44.6	2.275	3.263	4.1	20.6	5 1	14 10.78	-24 46.1	1.534	2.530	4.4	18.8
5 11	14 4.05	-2 5.2	2.297	3.251	7.0	20.8	5 11	14 1.17	-24 15.6	1.536	2.517	7.0	19.0
5 21	13 57.40	-1 38.1	2.345	3.237	9.9	20.9	5 21	13 53.07	-23 38.2	1.564	2.504	10.8	19.1
5 31	13 52.27	-1 25.1	2.416	3.224	12.6	21.1	5 31	13 47.37	-23 0.8	1.614	2.492	14.5	19.3
35877	1999 <i>JR</i> ₇₅		4 26.2 335°08	3°9/28.9 18			133099	2003 <i>NL</i> ₁₁		4 26.3 218°35	3°2/23.7 16		
3 22	14 33.05	-24 26.6	1.109	1.960	20.2	17.8	3 22	14 41.49	-8 19.5	1.809	2.654	13.8	21.1
4 1	14 31.59	-24 14.2	1.028	1.944	16.2	17.5	4 1	14 36.49	-7 22.3	1.726	2.647	10.4	20.9
4 11	14 26.91	-23 33.1	0.964	1.929	11.4	17.1	4 11	14 29.26	-6 18.1	1.666	2.639	6.6	20.6
4 21	14 19.77	-22 23.1	0.920	1.914	6.3	16.8	4 21	14 20.48	-5 12.1	1.634	2.631	3.4	20.4
5 1	14 11.55	-20 49.2	0.898	1.901	4.1	16.6	5 1	14 11.09	-4 10.8	1.628	2.622	4.7	20.5
5 11	14 3.95	-19 2.5	0.899	1.890	8.6	16.8	5 11	14 2.20	-3 20.6	1.650	2.612	8.5	20.7
5 21	13 58.46	-17 16.8	0.921	1.880	14.1	17.1	5 21	13 54.73	-2 46.1	1.697	2.602	12.4	20.9
5 31	13 56.11	-15 45.0	0.961	1.871	19.2	17.3	5 31	13 49.37	-2 29.8	1.765	2.592	15.8	21.1
251699	1996 <i>FA</i> ₅		4 26.2 327°67	11°4/15.7 18			18488	1996 <i>AY</i> ₃		4 26.3 171°74	5°4/18.9 18		
3 22	14 35.77	-2 10.6	0.968	1.860	19.1	20.2	3 22	14 36.24	+ 6 48.7	3.186	4.016	8.8	18.2
4 1	14 33.41	+ 1 43.8	0.916	1.856	14.9	20.0	4 1	14 31.57	+ 7 52.7	3.123	4.019	7.1	18.1
4 11	14 27.82	+ 5 49.4	0.886	1.853	11.8	19.8	4 11	14 25.72	+ 8 51.9	3.086	4.023	5.8	18.0
4 21	14 20.00	+ 9 41.4	0.880	1.850	11.9	19.8	4 21	14 19.14	+ 9 42.4	3.077	4.025	5.4	18.0
5 1	14 11.44	+12 55.2	0.898	1.847	15.1	19.9	5 1	14 12.33	+10 20.5	3.097	4.027	6.3	18.1
5 11	14 3.81	+15 14.7	0.936	1.845	19.3	20.2	5 11	14 5.84	+10 43.8	3.144	4.029	7.8	18.2
5 21	13 58.39	+16 35.6	0.990	1.842	23.3	20.4	5 21	14 0.13	+10 51.6	3.215	4.030	9.6	18.3
5 31	13 55.98	+17 2.6	1.057	1.841	26.7	20.6	5 31	13 55.58	+10 44.0	3.308	4.031	11.2	18.4
382472	2000 <i>UY</i> ₂₉		4 26.3 228°19	0°9/26.9 18			191825	2004 <i>UV</i> ₅		4 26.3 21°73	0°8/26.9 17		
3 22	14 43.94	-16 33.0	2.359	3.170	12.2	21.9	3 22	14 39.18	-17 58.9	1.826	2.656	14.4	20.2
4 1	14 38.01	-16 40.2	2.258	3.158	9.4	21.7	4 1	14 34.77	-17 38.7	1.747	2.656	11.0	20.0
4 11	14 30.09	-16 39.2	2.181	3.145	6.0	21.5	4 11	14 28.18	-17 5.5	1.690	2.657	7.1	19.8
4 21	14 20.73	-16 30.8	2.132	3.131	2.4	21.2	4 21	14 20.08	-16 21.5	1.658	2.657	2.8	19.5
5 1	14 10.73	-16 16.6	2.112	3.117	1.8	21.1	5 1	14 11.46	-15 30.7	1.653	2.658	2.0	19.5
5 11	14 1.04	-15 59.9	2.122	3.102	5.5	21.3	5 11	14 3.37	-14 39.0	1.676	2.658	6.3	19.7
5 21	13 52.46	-15 44.0	2.160	3.086	9.1	21.5	5 21	13 56.72	-13 52.1	1.724	2.659	10.4	20.0
5 31	13 45.68	-15 32.7	2.222	3.070	12.2	21.7	5 31	13 52.16	-13 15.1	1.794	2.660	13.9	20.2
417711	2007 <i>CY</i> ₉		4 26.3 83°25	4°7/29.9 17			304147	2006 <i>KR</i> ₁₁₅		4 26.3 54°83	3°8/24.		

EPHEMERIDES

4 26.3

4 26.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
219875	2002 DX_5		4 26.3 166°33	0°9/25.3 18			24	Themis		4 26.3 59°12	0°1/26.3 18		
3 22	14 40.25	-13 18.0	2.503	3.326	11.2	21.1	3 22	14 38.09	-15 17.8	2.109	2.940	12.7	11.8
4 1	14 34.90	-12 35.7	2.423	3.333	8.4	20.9	4 1	14 33.56	-14 58.6	2.039	2.951	9.5	11.6
4 11	14 27.94	-11 45.7	2.368	3.338	5.1	20.7	4 11	14 27.22	-14 30.3	1.993	2.963	6.0	11.4
4 21	14 19.94	-10 51.0	2.342	3.343	1.8	20.5	4 21	14 19.71	-13 55.6	1.973	2.974	2.1	11.2
5 1	14 11.62	-9 55.8	2.345	3.347	2.2	20.5	5 1	14 11.85	-13 18.0	1.981	2.986	1.9	11.2
5 11	14 3.73	-9 4.4	2.378	3.350	5.6	20.8	5 11	14 4.51	-12 41.9	2.018	2.998	5.7	11.4
5 21	13 56.92	-8 20.7	2.439	3.353	8.7	21.0	5 21	13 58.41	-12 11.5	2.080	3.010	9.2	11.6
5 31	13 51.68	-7 47.7	2.524	3.354	11.5	21.1	5 31	13 54.08	-11 49.9	2.166	3.021	12.2	11.9
106096	2000 TQ		4 26.3 208°58	0°1/26.3 18			36272	2000 AJ_{51}		4 26.3 43°78	3°4/29.7 18		
3 22	14 37.85	-15 26.9	2.804	3.621	10.3	20.8	3 22	14 37.64	-26 13.5	2.355	3.143	12.9	18.0
4 1	14 33.06	-15 7.9	2.711	3.616	7.8	20.6	4 1	14 33.27	-26 13.2	2.269	3.146	10.3	17.8
4 11	14 26.81	-14 41.5	2.643	3.610	4.9	20.4	4 11	14 27.09	-25 57.9	2.207	3.149	7.4	17.6
4 21	14 19.56	-14 9.4	2.604	3.604	1.7	20.2	4 21	14 19.69	-25 27.9	2.170	3.152	4.7	17.5
5 1	14 11.94	-13 34.3	2.594	3.598	1.5	20.2	5 1	14 11.87	-24 45.1	2.160	3.155	3.5	17.4
5 11	14 4.63	-12 59.6	2.613	3.591	4.7	20.4	5 11	14 4.47	-23 53.8	2.178	3.158	5.3	17.5
5 21	13 58.21	-12 28.5	2.661	3.584	7.7	20.5	5 21	13 58.25	-22 59.0	2.223	3.162	8.2	17.7
5 31	13 53.18	-12 3.9	2.733	3.577	10.3	20.7	5 31	13 53.76	-22 6.0	2.293	3.165	11.0	17.9
357791	2005 TE_6		4 26.3 264°84	3°2/29.6 18			196841	2003 SO_{253}		4 26.3 14°35	2°2/24.3 18		
3 22	14 37.26	-26 27.0	2.448	3.234	12.5	20.5	3 22	14 36.62	-11 48.6	1.798	2.647	13.7	19.7
4 1	14 32.98	-26 14.4	2.349	3.224	10.0	20.3	4 1	14 32.77	-10 43.5	1.724	2.648	10.2	19.5
4 11	14 26.92	-25 46.2	2.272	3.215	7.2	20.1	4 11	14 26.88	-9 28.3	1.674	2.649	6.3	19.2
4 21	14 19.63	-25 2.9	2.222	3.205	4.5	20.0	4 21	14 19.63	-8 8.5	1.650	2.650	2.6	19.0
5 1	14 11.86	-24 6.5	2.199	3.195	3.3	19.9	5 1	14 11.94	-6 50.9	1.653	2.652	3.7	19.1
5 11	14 4.46	-23 1.6	2.204	3.185	5.2	20.0	5 11	14 4.79	-5 42.5	1.683	2.653	7.6	19.3
5 21	13 58.14	-21 53.4	2.237	3.175	8.2	20.1	5 21	13 59.01	-4 48.7	1.738	2.655	11.5	19.5
5 31	13 53.50	-20 47.8	2.295	3.165	11.1	20.3	5 31	13 55.19	-4 12.9	1.815	2.657	14.8	19.7
497480	2005 YU_{255}		4 26.3 188°28	2°4/23.9 17			461828	2006 BH_{135}		4 26.3 190°85	4°3/23.1 16		
3 22	14 40.94	-7 12.9	2.565	3.396	10.7	23.4	3 22	14 43.38	-5 21.0	1.747	2.593	14.2	22.2
4 1	14 35.40	-6 35.2	2.482	3.395	8.0	23.2	4 1	14 37.91	-4 23.5	1.672	2.593	10.7	22.0
4 11	14 28.26	-5 54.2	2.424	3.394	5.1	23.0	4 11	14 30.13	-3 22.0	1.621	2.591	7.0	21.7
4 21	14 20.06	-5 13.1	2.395	3.391	2.6	22.8	4 21	14 20.79	-2 22.6	1.596	2.589	4.4	21.6
5 1	14 11.50	-4 35.9	2.396	3.388	3.5	22.9	5 1	14 10.89	-1 31.9	1.598	2.586	5.7	21.6
5 11	14 3.31	-4 6.1	2.426	3.384	6.4	23.1	5 11	14 1.58	-0 55.5	1.628	2.582	9.2	21.8
5 21	13 56.15	-3 46.4	2.483	3.380	9.3	23.2	5 21	13 53.79	-0 37.1	1.681	2.578	13.0	22.0
5 31	13 50.51	-3 38.5	2.564	3.374	11.9	23.4	5 31	13 48.21	-0 37.8	1.756	2.573	16.3	22.3
78820	2003 QT_6		4 26.3 258°32	1°5/24.9 18			497213	2004 VB_{77}		4 26.3 145°96	0°6/26.9 17		
3 22	14 38.30	-12 6.7	2.018	2.857	12.8	19.5	3 22	14 40.61	-17 47.5	2.469	3.280	11.7	22.8
4 1	14 33.94	-11 24.8	1.929	2.847	9.6	19.2	4 1	14 35.22	-17 24.4	2.391	3.291	8.9	22.6
4 11	14 27.60	-10 34.1	1.864	2.837	6.0	19.0	4 11	14 28.16	-16 51.5	2.338	3.302	5.7	22.4
4 21	14 19.89	-9 38.1	1.825	2.826	2.2	18.7	4 21	14 20.04	-16 10.6	2.312	3.312	2.2	22.2
5 1	14 11.64	-8 42.1	1.815	2.816	3.0	18.7	5 1	14 11.59	-15 24.9	2.316	3.321	1.6	22.1
5 11	14 3.79	-7 51.4	1.832	2.805	6.9	19.0	5 11	14 3.62	-14 38.7	2.350	3.330	5.0	22.4
5 21	13 57.16	-7 11.0	1.875	2.794	10.6	19.2	5 21	13 56.77	-13 56.1	2.411	3.338	8.2	22.6
5 31	13 52.40	-6 44.2	1.940	2.783	14.0	19.4	5 31	13 51.56	-13 20.7	2.497	3.345	11.0	22.8
20097	1994 UL_2		4 26.3 225°00	2°5/24.0 18			261032	2005 SS_{138}		4 26.3 258°54	2°4/23.7 17		
3 22	14 40.13	-5 20.9	2.661	3.494	10.3	17.7	3 22	14 35.71	-8 52.8	2.399	3.241	11.0	21.3
4 1	14 34.79	-5 7.8	2.573	3.487	7.7	17.5	4 1	14 31.65	-7 57.1	2.314	3.234	8.2	21.1
4 11	14 27.89	-4 53.7	2.511	3.480	5.0	17.3	4 11	14 26.01	-6 55.7	2.254	3.226	5.1	20.9
4 21	14 19.95	-4 41.2	2.478	3.473	2.7	17.2	4 21	14 19.31	-5 52.6	2.221	3.219	2.6	20.8
5 1	14 11.60	-4 33.1	2.473	3.466	3.4	17.2	5 1	14 12.23	-4 52.8	2.217	3.211	3.6	20.8
5 11	14 3.58	-4 31.9	2.498	3.458	6.1	17.4	5 11	14 5.49	-4 1.0	2.242	3.203	6.6	21.0
5 21	13 56.51	-4 39.3	2.551	3.451	9.0	17.5	5 21	13 59.75	-3 20.8	2.293	3.196	9.7	21.2
5 31	13 50.89	-4 56.4	2.627	3.442	11.5	17.7	5 31	13 55.51	-2 54.7	2.366	3.188	12.4	21.3
81976	2000 QN_{84}		4 26.3 296°42	4°3/21.9 18			165468	2001 AC_{29}		4 26.3 139°48	0°5/25.9 18		
3 22	14 35.48	-4 27.1	2.078	2.931	12.0	19.4	3 22	14 44.39	-13 57.2	1.888	2.716	14.1	20.9
4 1	14 31.71	-3 12.8	1.996	2.920	9.1	19.2	4 1	14 38.46	-13 34.2	1.817	2.728	10.6	20.7
4 11	14 26.15	-1 54.6	1.938	2.908	6.1	19.0	4 11	14 30.36	-13 1.9	1.770	2.740	6.6	20.5
4 21	14 19.37	-0 38.4	1.908	2.897	4.4	18.9	4 21	14 20.84	-12 23.3	1.750	2.751	2.2	20.3
5 1	14 12.12	+0 29.4	1.905	2.885	5.7	19.0	5 1	14 10.90	-11 42.7	1.758	2.762	2.3	20.3
5 11	14 5.26	+1 23.0	1.929	2.874	8.7	19.1	5 11	14 1.61	-11 5.1	1.795	2.772	6.6	20.6
5 21	13 59.52	+1 58.9	1.977	2.863	11.8	19.3	5 21	13 53.84	-10 35.0	1.858	2.781	10.5	20.8
5 31	13 55.47	+2 15.3	2.046	2.852	14.6	19.5	5 31	13 48.20	-10 15.9	1.943	2.789	13.8	21.1
208979	2002 YN_{18}		4 26.3 58°42	0°5/26.6 18			158510	2002 EW_{103}		4 26.3 88°43	7°9/19.7 18		
3 22	14 40.04	-16 45.5	1.919	2.748	13.8	20.3	3 22	14 40.29	+6 13.4	1.842	2.689	13.5	19.8
4 1	14 35.04	-16 25.7	1.865	2.775	10.4	20.1	4 1	14 35.28	+7 26.2	1.793	2.701	10.9	19.6
4 11	14 28.10	-15 55.2	1.834	2.802	6.5	20.0	4 11	14 28.30	+8 31.2	1.767	2.712	8.7	19.5
4 21	14 19.99	-15 16.7	1.829	2.829	2.4	19.7	4 21	14 20.10	+9 21.3	1.766	2.724	8.0	19.5
5 1	14 11.64	-14 34.4	1.851	2.856	1.9	19.7	5 1	14 11.59	+9 50.8	1.792	2.736	9.1	19.6
5 11	14 3.98	-13 53.3	1.902	2.883	5.8	20.1	5 11	14 3.75	+9 56.6	1.841	2.747	11.4	19.7
5 21	13 57.76	-13 17.9	1.978	2.910	9.4	20.3	5 21	13 57.34	+9 39.0	1.914	2.758	13.9	19.9
5 31	13 53.50	-12 51.8	2.078	2.937	12.5	20.6	5 31	13 52.90	+8 59.9	2.005	2.770	16.2	20.1
508280	2015 HQ_{185}		4 26.3 152°65	1°9/24.4 17			250170	2002 TC_{113}		4 26.3 155°27	3°1/29.1 18		
3 22	14 37.39	-9 40.9	2.310	3.150	11.4	21.2	3 22	14 42.					

EPHEMERIDES

4 26.3

4 26.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
433497	2013 <i>WA</i> ₃₆		4 26.3 67°31'	7.3/20.3	17		283507	2001 <i>SN</i> ₃₃₈		4 26.3 194°45'	0°1/26.4	17	
3 22	14 39.30	+ 3 48.7	1.803	2.656	13.5	21.5	3 22	14 37.91	-16 6.5	2.713	3.530	10.6	22.7
4 1	14 34.67	+ 4 58.5	1.745	2.660	10.7	21.3	4 1	14 33.15	-15 39.2	2.623	3.528	8.0	22.5
4 11	14 28.00	+ 6 3.2	1.710	2.664	8.3	21.2	4 11	14 26.89	-15 3.4	2.559	3.525	5.0	22.3
4 21	14 20.02	+ 6 55.6	1.700	2.668	7.3	21.1	4 21	14 19.64	-14 21.2	2.522	3.522	1.8	22.1
5 1	14 11.65	+ 7 29.5	1.716	2.672	8.5	21.2	5 1	14 12.03	-13 35.8	2.515	3.519	1.5	22.0
5 11	14 3.88	+ 7 41.1	1.757	2.676	11.1	21.4	5 11	14 4.76	-12 50.8	2.537	3.515	4.8	22.3
5 21	13 57.52	+ 7 29.6	1.821	2.680	13.9	21.5	5 21	13 58.43	-12 10.1	2.587	3.511	7.9	22.4
5 31	13 53.15	+ 6 56.6	1.903	2.685	16.4	21.7	5 31	13 53.53	-11 36.8	2.662	3.506	10.5	22.6
272721	2005 <i>YQ</i> ₅₈		4 26.3 332°29'	1°6/25.1	17		297550	2001 <i>QY</i> ₂₀₅		4 26.3 263°09'	5°2/29.4	16	
3 22	14 39.66	-11 3.7	1.723	2.571	14.3	20.7	3 22	14 44.28	-25 29.9	1.413	2.227	18.6	20.3
4 1	14 35.23	-10 39.7	1.646	2.568	10.8	20.5	4 1	14 39.59	-26 1.4	1.333	2.224	15.1	20.1
4 11	14 28.53	-10 8.2	1.591	2.565	6.7	20.3	4 11	14 31.73	-26 12.7	1.272	2.221	11.0	19.8
4 21	14 20.26	-9 32.9	1.561	2.562	2.5	20.0	4 21	14 21.52	-26 1.6	1.233	2.218	6.9	19.6
5 1	14 11.42	-8 58.5	1.559	2.560	3.2	20.0	5 1	14 10.32	-25 28.7	1.219	2.215	5.3	19.5
5 11	14 3.10	-8 30.2	1.582	2.558	7.5	20.3	5 11	13 59.76	-24 39.7	1.230	2.212	8.2	19.6
5 21	13 56.25	-8 12.2	1.631	2.556	11.6	20.5	5 21	13 51.24	-23 43.1	1.265	2.209	12.5	19.9
5 31	13 51.55	-8 7.5	1.701	2.554	15.1	20.7	5 31	13 45.73	-22 48.5	1.320	2.207	16.6	20.1
353153	2009 <i>HN</i> ₄₈		4 26.3 266°52'	5°0/21.3	17		96405	1998 <i>ES</i>		4 26.3 146°15'	1°2/25.3	18	
3 22	14 36.69	+ 0 2.0	2.324	3.171	11.1	20.5	3 22	14 42.93	-13 19.6	1.939	2.770	13.6	19.9
4 1	14 32.39	+ 0 58.8	2.249	3.166	8.5	20.3	4 1	14 37.30	-12 32.4	1.868	2.782	10.2	19.7
4 11	14 26.48	+ 1 54.5	2.199	3.160	6.1	20.2	4 11	14 29.61	-11 35.4	1.821	2.793	6.3	19.5
4 21	14 19.49	+ 2 44.2	2.176	3.155	5.0	20.1	4 21	14 20.61	-10 32.9	1.802	2.803	2.2	19.3
5 1	14 12.12	+ 3 22.9	2.180	3.149	6.0	20.2	5 1	14 11.22	-9 30.2	1.811	2.812	2.8	19.3
5 11	14 5.14	+ 3 46.9	2.211	3.144	8.5	20.3	5 11	14 2.46	-8 33.4	1.848	2.821	6.8	19.6
5 21	13 59.20	+ 3 54.4	2.267	3.138	11.1	20.5	5 21	13 55.14	-7 47.2	1.911	2.829	10.6	19.8
5 31	13 54.80	+ 3 44.9	2.345	3.132	13.5	20.6	5 31	13 49.85	-7 15.1	1.998	2.836	13.8	20.1
56872	2000 <i>QD</i> ₁₀₉		4 26.3 231°75'	5°0/21.2	18		349057	2006 <i>WL</i> ₁₀₇		4 26.3 174°39'	2°4/23.6	18	
3 22	14 36.79	- 0 8.7	2.297	3.144	11.2	19.6	3 22	14 37.40	- 6 17.1	2.965	3.798	9.4	22.1
4 1	14 32.46	+ 0 51.9	2.225	3.142	8.6	19.4	4 1	14 32.57	- 5 39.8	2.886	3.801	7.0	21.9
4 11	14 26.51	+ 1 51.6	2.178	3.140	6.2	19.3	4 11	14 26.44	- 5 0.3	2.834	3.803	4.5	21.8
4 21	14 19.49	+ 2 45.1	2.158	3.137	5.0	19.2	4 21	14 19.47	- 4 21.7	2.810	3.804	2.5	21.6
5 1	14 12.12	+ 3 27.4	2.166	3.135	6.1	19.2	5 1	14 12.22	- 3 47.1	2.815	3.806	3.3	21.7
5 11	14 5.16	+ 3 54.8	2.201	3.132	8.5	19.4	5 11	14 5.31	- 3 19.5	2.851	3.806	5.7	21.8
5 21	13 59.25	+ 4 5.2	2.260	3.130	11.2	19.5	5 21	13 59.23	- 3 1.2	2.913	3.807	8.2	22.0
5 31	13 54.90	+ 3 58.3	2.340	3.127	13.6	19.7	5 31	13 54.42	- 2 53.5	2.999	3.806	10.4	22.2
434009	2000 <i>WB</i> ₁₃₂		4 26.3 180°76'	0°1/26.3	18		374960	2007 <i>CC</i> ₅₀		4 26.3 283°16'	5°1/29.1	18	
3 22	14 33.07	-15 43.9	4.056	4.867	7.5	22.0	3 22	14 45.07	-25 10.2	1.799	2.596	15.9	19.5
4 1	14 29.08	-15 14.8	3.966	4.868	5.6	21.9	4 1	14 39.86	-26 0.7	1.696	2.576	13.0	19.3
4 11	14 24.15	-14 40.2	3.902	4.868	3.5	21.7	4 11	14 31.84	-26 37.5	1.614	2.556	9.6	19.0
4 21	14 18.62	-14 1.7	3.868	4.868	1.2	21.5	4 21	14 21.59	-26 57.5	1.556	2.537	6.4	18.8
5 1	14 12.90	-13 21.3	3.864	4.868	1.1	21.5	5 1	14 10.20	-26 59.4	1.525	2.517	5.2	18.7
5 11	14 7.40	-12 41.6	3.890	4.867	3.4	21.7	5 11	13 59.02	-26 45.5	1.520	2.497	7.6	18.7
5 21	14 2.49	-12 4.7	3.946	4.866	5.5	21.9	5 21	13 49.34	-26 20.8	1.541	2.477	11.3	18.9
5 31	13 58.48	-11 32.7	4.027	4.865	7.4	22.0	5 31	13 42.20	-25 52.3	1.584	2.457	15.0	19.1
100213	1994 <i>PD</i> ₄		4 26.3 213°01'	0°1/26.3	18		79296	1995 <i>VE</i> ₆		4 26.3 269°35'	1°5/25.3	18	
3 22	14 37.60	-15 27.7	2.866	3.683	10.1	21.3	3 22	14 42.50	-11 0.7	1.632	2.478	15.1	19.4
4 1	14 32.87	-15 5.7	2.771	3.676	7.6	21.1	4 1	14 37.64	-10 45.8	1.546	2.466	11.4	19.1
4 11	14 26.70	-14 36.1	2.702	3.669	4.8	20.9	4 11	14 30.22	-10 23.6	1.482	2.455	7.2	18.8
4 21	14 19.56	-14 1.0	2.661	3.661	1.7	20.7	4 21	14 20.94	-9 57.0	1.442	2.444	2.7	18.5
5 1	14 12.05	-13 22.9	2.649	3.653	1.5	20.6	5 1	14 10.87	-9 30.6	1.430	2.432	3.2	18.5
5 11	14 4.84	-12 45.2	2.667	3.645	4.7	20.8	5 11	14 1.26	-9 9.6	1.444	2.420	7.9	18.8
5 21	13 58.50	-12 11.3	2.714	3.636	7.6	21.0	5 21	13 53.20	-8 58.3	1.482	2.409	12.4	19.0
5 31	13 53.51	-11 44.1	2.785	3.627	10.2	21.2	5 31	13 47.53	-8 9.0	1.542	2.397	16.3	19.2
225820	2001 <i>WZ</i> ₈₇		4 26.3 268°19'	1°6/25.3	18		86245	1999 <i>TN</i> ₁₄₃		4 26.3 308°92'	5°3/30.2	17	
3 22	14 43.60	- 9 45.2	1.816	2.655	14.1	20.5	3 22	14 42.31	-28 20.3	2.253	3.026	13.8	19.3
4 1	14 38.26	- 9 42.0	1.723	2.641	10.7	20.3	4 1	14 37.16	-29 9.1	2.157	3.017	11.4	19.1
4 11	14 30.51	- 9 34.0	1.654	2.626	6.7	20.0	4 11	14 29.78	-29 43.9	2.082	3.009	8.7	18.9
4 21	14 21.01	- 9 23.8	1.611	2.612	2.6	19.7	4 21	14 20.77	-30 2.6	2.033	3.001	6.3	18.7
5 1	14 10.72	- 9 14.7	1.595	2.597	3.1	19.7	5 1	14 11.00	-30 4.5	2.010	2.992	5.3	18.6
5 11	14 0.81	- 9 10.6	1.607	2.582	7.5	19.9	5 11	14 1.53	-29 51.5	2.015	2.984	6.7	18.7
5 21	13 52.30	- 9 14.6	1.644	2.566	11.7	20.1	5 21	13 53.30	-29 27.9	2.047	2.976	9.3	18.8
5 31	13 46.00	- 9 29.4	1.704	2.551	15.3	20.3	5 31	13 47.08	-28 59.2	2.102	2.969	12.1	19.0
158427	2002 <i>BX</i> ₁₈		4 26.3 37°65'	3°9/24.3	18		388676	2007 <i>TE</i> ₄₄₇		4 26.3 208°12'	1°1/25.3	18	
3 22	14 42.77	- 5 18.8	1.304	2.167	17.0	19.2	3 22	14 38.75	-11 48.1	2.362	3.194	11.5	21.7
4 1	14 37.74	- 5 4.2	1.260	2.189	12.7	19.0	4 1	14 33.98	-11 21.9	2.277	3.191	8.6	21.5
4 11	14 30.07	- 4 48.8	1.237	2.211	8.1	18.8	4 11	14 27.51	-10 49.3	2.216	3.187	5.3	21.3
4 21	14 20.75	- 4 37.5	1.237	2.235	4.3	18.6	4 21	14 19.89	-10 13.0	2.182	3.183	1.9	21.0
5 1	14 11.10	- 4 35.0	1.263	2.258	5.3	18.7	5 1	14 11.86	- 9 36.7	2.178	3.180	2.4	21.1
5 11	14 2.47	- 4 44.9	1.313	2.283	9.3	19.0	5 11	14 4.20	- 9 4.4	2.202	3.175	5.9	21.3
5 21	13 55.83	- 5 8.7	1.386	2.308	13.4	19.3	5 21	13 57.61	- 8 39.4	2.253	3.171	9.2	21.5
5 31	13 51.81	- 5 46.3	1.480	2.334	16.9	19.6	5 31	13 52.63	- 8 24.3	2.328	3.166	12.0	21.7
56016	1998 <i>UO</i> ₃₆		4 26.3 187°84'										

EPHEMERIDES

4 26.3

4 26.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
470228	2006 <i>WN</i> ₁₀₅		4 26.3 140°05	0°6/26.9	18		376209	2011 <i>DA</i> ₁₈		4 26.3 252°24	0°4/26.6	17	
3 22	14 37.41	-17 55.4	2.655	3.469	10.9	22.3	3 22	14 41.00	-16 8.5	2.028	2.854	13.3	21.6
4 1	14 32.77	-17 29.8	2.574	3.476	8.3	22.1	4 1	14 36.12	-15 55.8	1.932	2.840	10.2	21.4
4 11	14 26.65	-16 54.8	2.518	3.483	5.3	22.0	4 11	14 29.11	-15 32.7	1.859	2.827	6.5	21.1
4 21	14 19.57	-16 12.4	2.490	3.489	2.1	21.7	4 21	14 20.55	-15 1.0	1.812	2.813	2.4	20.8
5 1	14 12.18	-15 25.6	2.491	3.496	1.5	21.7	5 1	14 11.34	-14 23.9	1.794	2.798	1.9	20.7
5 11	14 5.19	-14 38.4	2.521	3.502	4.7	21.9	5 11	14 2.48	-13 46.0	1.803	2.784	6.2	21.0
5 21	13 59.18	-13 54.6	2.579	3.508	7.7	22.1	5 21	13 54.88	-13 12.3	1.838	2.769	10.1	21.2
5 31	13 54.63	-13 17.7	2.662	3.513	10.3	22.3	5 31	13 49.24	-12 46.9	1.897	2.753	13.6	21.4
377326	2004 <i>NL</i> ₂		4 26.3 264°31	1°9/24.9	18		465041	2006 <i>QA</i> ₆₄		4 26.3 192°82	4°0/22.3	16	
3 22	14 41.12	-10 13.3	1.949	2.789	13.2	21.1	3 22	14 40.83	-4 35.9	2.237	3.076	11.7	22.5
4 1	14 36.26	-9 46.4	1.853	2.771	10.0	20.9	4 1	14 35.57	-3 23.8	2.158	3.074	8.9	22.3
4 11	14 29.21	-9 12.7	1.779	2.752	6.3	20.6	4 11	14 28.52	-2 8.2	2.104	3.071	5.9	22.1
4 21	14 20.58	-8 35.5	1.732	2.733	2.5	20.4	4 21	14 20.28	-0 54.8	2.079	3.068	4.1	22.0
5 1	14 11.23	-7 59.2	1.714	2.713	3.3	20.4	5 1	14 11.64	+0 10.7	2.083	3.063	5.3	22.1
5 11	14 2.22	-7 28.8	1.722	2.694	7.4	20.6	5 11	14 3.43	+1 3.0	2.115	3.058	8.1	22.2
5 21	13 54.46	-7 8.6	1.756	2.673	11.3	20.8	5 21	13 56.37	+1 38.9	2.172	3.052	11.2	22.4
5 31	13 48.70	-7 1.4	1.813	2.653	14.9	20.9	5 31	13 51.03	+1 56.9	2.252	3.045	13.9	22.6
437695	2014 <i>DU</i> ₂₉		4 26.3 216°66	3°7/29.7	17		491165	2011 <i>SZ</i> ₂₅₆		4 26.3 317°98	4°5/30.0	16	
3 22	14 40.01	-26 21.1	2.376	3.158	12.9	21.2	3 22	14 36.60	-27 27.5	1.844	2.644	15.5	20.6
4 1	14 35.14	-26 30.3	2.282	3.155	10.4	21.1	4 1	14 33.24	-27 28.6	1.742	2.623	12.6	20.3
4 11	14 28.35	-26 24.9	2.212	3.151	7.6	20.9	4 11	14 27.52	-27 9.8	1.660	2.603	9.3	20.1
4 21	14 20.23	-26 4.7	2.167	3.147	4.9	20.7	4 21	14 20.05	-26 30.0	1.601	2.583	6.1	19.9
5 1	14 11.58	-25 31.0	2.150	3.143	3.7	20.6	5 1	14 11.78	-25 31.1	1.569	2.564	4.5	19.7
5 11	14 3.31	-24 47.4	2.161	3.139	5.5	20.7	5 11	14 3.88	-24 18.4	1.562	2.545	6.7	19.8
5 21	13 56.22	-23 58.8	2.198	3.134	8.4	20.9	5 21	13 57.38	-22 59.3	1.581	2.526	10.4	20.0
5 31	13 50.92	-23 10.6	2.261	3.129	11.3	21.0	5 31	13 53.08	-21 42.1	1.622	2.508	14.0	20.1
498851	2008 <i>XK</i> ₂₁		4 26.3 152°72	1°5/24.9	17		406884	2009 <i>CC</i> ₆₃		4 26.3 67°12	3°2/23.9	17	
3 22	14 38.87	-11 1.1	2.197	3.033	12.0	21.8	3 22	14 39.73	-9 52.0	1.444	2.302	15.9	20.7
4 1	14 34.13	-10 28.5	2.120	3.036	9.0	21.6	4 1	14 35.54	-8 46.9	1.379	2.307	11.9	20.4
4 11	14 27.62	-9 49.7	2.067	3.039	5.6	21.4	4 11	14 28.84	-7 32.5	1.336	2.312	7.4	20.2
4 21	14 19.94	-9 7.8	2.041	3.042	2.2	21.2	4 21	14 20.45	-6 15.4	1.318	2.317	3.6	20.0
5 1	14 11.87	-8 27.0	2.044	3.044	2.8	21.3	5 1	14 11.54	-5 4.0	1.326	2.322	4.9	20.1
5 11	14 4.25	-7 51.8	2.075	3.047	6.3	21.5	5 11	14 3.35	-4 6.1	1.359	2.327	9.3	20.3
5 21	13 57.80	-7 25.7	2.133	3.049	9.7	21.7	5 21	13 56.90	-3 27.1	1.415	2.332	13.5	20.6
5 31	13 53.06	-7 11.0	2.213	3.051	12.6	21.9	5 31	13 52.87	-3 9.5	1.491	2.338	17.2	20.8
48916	1998 <i>OR</i> ₆		4 26.3 297°68	2°8/24.1	18		64576	2001 <i>WG</i> ₄₁		4 26.3 183°00	2°7/24.2	18	
3 22	14 37.84	-11 4.1	1.500	2.357	15.5	18.9	3 22	14 42.34	-10 1.6	1.788	2.630	14.1	20.0
4 1	14 34.26	-10 0.2	1.417	2.345	11.7	18.6	4 1	14 37.13	-9 2.5	1.711	2.631	10.6	19.7
4 11	14 28.15	-8 44.0	1.356	2.332	7.3	18.3	4 11	14 29.69	-7 55.0	1.658	2.631	6.6	19.5
4 21	14 20.24	-7 21.7	1.319	2.319	3.2	18.1	4 21	14 20.74	-6 44.4	1.632	2.631	3.0	19.3
5 1	14 11.59	-6 1.4	1.309	2.307	4.6	18.1	5 1	14 11.27	-5 37.1	1.633	2.630	4.2	19.3
5 11	14 3.45	-4 51.9	1.324	2.295	9.2	18.3	5 11	14 2.38	-4 40.0	1.662	2.628	8.1	19.6
5 21	13 56.90	-4 0.0	1.362	2.283	13.7	18.6	5 21	13 54.97	-3 58.0	1.716	2.625	12.0	19.8
5 31	13 52.73	-3 29.8	1.421	2.271	17.7	18.8	5 31	13 49.70	-3 33.8	1.792	2.622	15.4	20.0
85218	1993 <i>FW</i> ₅		4 26.3 301°07	3°6/28.6	17		326688	2002 <i>XG</i> ₇₉		4 26.3 113°29	1°3/27.4	18	
3 22	14 42.33	-22 45.2	2.086	2.887	13.9	19.5	3 22	14 43.42	-19 0.1	1.919	2.735	14.3	20.8
4 1	14 37.34	-23 24.4	1.980	2.867	11.1	19.3	4 1	14 37.77	-18 49.8	1.850	2.752	11.0	20.6
4 11	14 30.01	-23 52.5	1.897	2.846	7.9	19.0	4 11	14 29.99	-18 26.9	1.805	2.768	7.1	20.4
4 21	14 20.92	-24 7.9	1.840	2.826	4.8	18.8	4 21	14 20.81	-17 53.0	1.785	2.783	3.1	20.2
5 1	14 10.93	-24 10.7	1.809	2.806	3.8	18.7	5 1	14 11.24	-17 11.7	1.794	2.798	2.1	20.1
5 11	14 1.15	-24 2.8	1.807	2.786	6.3	18.8	5 11	14 2.33	-16 28.0	1.831	2.813	5.9	20.4
5 21	13 52.60	-23 48.4	1.831	2.766	9.8	19.0	5 21	13 54.93	-15 47.3	1.894	2.827	9.7	20.7
5 31	13 46.10	-23 32.4	1.878	2.747	13.2	19.1	5 31	13 49.65	-15 14.1	1.980	2.841	13.0	20.9
300966	2008 <i>DH</i> ₇₁		4 26.3 87°18	4°3/29.9	18		381481	2008 <i>SZ</i> ₅₉		4 26.3 195°74	2°9/28.6	18	
3 22	14 42.47	-27 1.0	2.370	3.146	13.2	21.0	3 22	14 43.71	-22 55.6	2.374	3.164	12.7	21.0
4 1	14 36.96	-27 36.2	2.289	3.155	10.7	20.9	4 1	14 37.91	-23 14.8	2.281	3.161	10.1	20.8
4 11	14 29.47	-27 57.7	2.231	3.164	7.9	20.7	4 11	14 30.11	-23 22.1	2.211	3.159	7.1	20.6
4 21	14 20.63	-28 4.2	2.199	3.173	5.4	20.6	4 21	14 20.90	-23 17.3	2.168	3.155	4.1	20.4
5 1	14 11.28	-27 56.2	2.195	3.182	4.4	20.5	5 1	14 11.11	-23 1.2	2.154	3.152	3.0	20.4
5 11	14 2.37	-27 36.4	2.218	3.191	5.8	20.6	5 11	14 1.69	-22 36.9	2.168	3.147	5.4	20.5
5 21	13 54.71	-27 9.1	2.269	3.200	8.4	20.8	5 21	13 53.47	-22 8.5	2.210	3.143	8.6	20.7
5 31	13 48.93	-26 39.4	2.344	3.209	11.1	21.0	5 31	13 47.09	-21 40.8	2.277	3.137	11.5	20.9
427899	2005 <i>UB</i> ₉₇		4 26.3 182°24	1°0/25.4	17		73284	2002 <i>JW</i> ₆₃		4 26.3 333°77	2°2/27.8	18	
3 22	14 41.20	-12 33.6	2.356	3.181	11.7	22.7	3 22	14 36.19	-21 25.5	1.258	2.106	18.5	18.7
4 1	14 35.79	-12 2.0	2.272	3.182	8.8	22.5	4 1	14 33.60	-21 1.8	1.178	2.095	14.5	18.4
4 11	14 28.64	-11 23.1	2.213	3.183	5.4	22.3	4 11	14 28.04	-20 15.2	1.116	2.085	9.7	18.1
4 21	14 20.31	-10 39.9	2.182	3.183	1.9	22.0	4 21	14 20.29	-19 7.2	1.077	2.075	4.5	17.7
5 1	14 11.58	-9 56.0	2.180	3.182	2.3	22.1	5 1	14 11.64	-17 43.8	1.062	2.067	2.9	17.6
5 11	14 3.27	-9 15.9	2.207	3.180	5.9	22.3	5 11	14 3.62	-16 14.9	1.070	2.059	8.0	17.9
5 21	13 56.09	-8 43.2	2.262	3.178	9.2	22.5	5 21	13 57.53	-14 51.4	1.101	2.052	13.3	18.1
5 31	13 50.59	-8 20.8	2.340	3.175	12.1	22.7	5 31	13 54.26	-13 42.7	1.152	2.046	17.9	18.4
291038	2005 <i>YO</i> ₄₀		4 26.3 24°65	1°2/26.9	16								

EPHEMERIDES

4 26.3

4 26.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
500980	2013 <i>QC</i> ₈₄		4 26.3 270°37'	2°2/27.9	17		439507	2014 <i>BV</i> ₁₃		4 26.3 14°46'	6°2/21.5	17	
3 22	14 40.19	-21 37.1	1.738	2.558	15.4	21.3	3 22	14 37.24	+ 0 50.1	1.734	2.593	13.7	20.1
4 1	14 35.94	-21 19.8	1.642	2.543	12.1	21.0	4 1	14 33.26	+ 1 45.2	1.674	2.597	10.6	19.9
4 11	14 29.21	-20 45.0	1.568	2.529	8.2	20.8	4 11	14 27.24	+ 2 37.1	1.638	2.601	7.7	19.7
4 21	14 20.66	-19 53.6	1.518	2.513	4.0	20.5	4 21	14 19.89	+ 3 19.6	1.626	2.606	6.2	19.6
5 1	14 11.33	-18 49.2	1.495	2.498	2.6	20.3	5 1	14 12.14	+ 3 46.6	1.641	2.612	7.4	19.7
5 11	14 2.41	-17 38.4	1.498	2.483	6.7	20.6	5 11	14 4.98	+ 3 54.5	1.680	2.618	10.2	19.9
5 21	13 55.00	-16 28.8	1.527	2.467	11.1	20.8	5 21	13 59.21	+ 3 41.9	1.741	2.625	13.3	20.1
5 31	13 49.89	-15 27.8	1.578	2.452	15.0	21.0	5 31	13 55.42	+ 3 9.8	1.823	2.632	16.0	20.3
128004	2003 <i>HY</i> ₅₃		4 26.3 267°58'	2°3/27.6	17		373381	2012 <i>RT</i> ₄		4 26.3 255°59'	3°3/2.2	18	
3 22	14 45.66	-19 6.6	1.598	2.422	16.4	20.1	3 22	14 32.61	-33 2.2	4.552	5.278	8.0	20.4
4 1	14 40.51	-19 24.6	1.496	2.400	12.9	19.8	4 1	14 28.84	-33 2.3	4.447	5.272	6.7	20.3
4 11	14 32.37	-19 29.9	1.416	2.378	8.7	19.5	4 11	14 24.12	-32 52.1	4.367	5.267	5.3	20.1
4 21	14 21.88	-19 21.5	1.359	2.355	4.2	19.2	4 21	14 18.75	-32 31.6	4.312	5.261	4.0	20.0
5 1	14 10.19	-19 1.0	1.329	2.332	2.9	19.1	5 1	14 13.15	-32 1.7	4.286	5.255	3.3	20.0
5 11	13 58.75	-18 32.7	1.325	2.309	7.5	19.3	5 11	14 7.75	-31 24.0	4.289	5.250	3.8	20.0
5 21	13 48.93	-18 2.6	1.346	2.285	12.4	19.5	5 21	14 2.93	-30 41.0	4.319	5.244	5.0	20.1
5 31	13 41.81	-17 37.7	1.389	2.260	16.8	19.7	5 31	13 59.03	-29 55.4	4.377	5.238	6.4	20.2
407723	2011 <i>UF</i> ₃₀₂		4 26.3 159°15'	1°2/25.4	16		316696	1996 <i>TG</i> ₁₇		4 26.3 171°28'	0°7/26.9	16	
3 22	14 43.54	-12 58.0	1.757	2.593	14.6	22.3	3 22	14 43.22	-18 24.6	2.069	2.883	13.5	21.7
4 1	14 38.07	-12 20.7	1.684	2.599	11.0	22.1	4 1	14 37.59	-17 54.0	1.987	2.888	10.3	21.5
4 11	14 30.29	-11 33.6	1.633	2.605	6.8	21.9	4 11	14 29.91	-17 10.6	1.928	2.892	6.6	21.2
4 21	14 20.96	-10 40.5	1.609	2.610	2.4	21.6	4 21	14 20.85	-16 16.6	1.896	2.895	2.6	21.0
5 1	14 11.14	-9 46.9	1.612	2.614	2.9	21.6	5 1	14 11.32	-15 16.2	1.893	2.897	1.9	20.9
5 11	14 1.95	-8 58.8	1.643	2.618	7.3	21.9	5 11	14 2.33	-14 15.0	1.918	2.899	5.9	21.2
5 21	13 54.33	-8 21.3	1.700	2.621	11.4	22.1	5 21	13 54.71	-13 18.8	1.971	2.899	9.7	21.4
5 31	13 48.93	-7 58.0	1.778	2.623	14.9	22.4	5 31	13 49.08	-12 32.2	2.048	2.899	13.0	21.6
277375	2005 <i>UY</i> ₂₆		4 26.3 269°61'	0°7/26.8	18		237554	2000 <i>WT</i> ₈₆		4 26.3 189°26'	2°4/29.2	18	
3 22	14 41.16	-16 44.2	1.797	2.627	14.6	20.7	3 22	14 37.83	-24 50.6	2.947	3.728	10.7	20.9
4 1	14 36.53	-16 35.4	1.704	2.614	11.2	20.4	4 1	14 33.11	-24 36.4	2.852	3.727	8.5	20.7
4 11	14 29.52	-16 14.8	1.633	2.601	7.2	20.2	4 11	14 26.92	-24 9.9	2.781	3.726	6.0	20.5
4 21	14 20.77	-15 44.2	1.588	2.588	2.8	19.9	4 21	14 19.77	-23 32.0	2.738	3.724	3.5	20.4
5 1	14 11.26	-15 6.7	1.569	2.574	2.1	19.8	5 1	14 12.26	-22 44.7	2.723	3.722	2.5	20.3
5 11	14 2.14	-14 27.7	1.578	2.560	6.7	20.0	5 11	14 5.09	-21 51.5	2.739	3.719	4.4	20.4
5 21	13 54.45	-13 52.7	1.612	2.547	11.0	20.3	5 21	13 58.84	-20 56.4	2.782	3.716	7.0	20.6
5 31	13 48.96	-13 26.6	1.668	2.533	14.8	20.5	5 31	13 53.99	-20 3.8	2.852	3.713	9.4	20.7
473744	2016 <i>EA</i> ₅		4 26.3 349°15'	1°6/27.3	17		468554	2006 <i>TF</i> ₅₁		4 26.3 243°14'	1°2/27.6	17	
3 22	14 37.20	-18 17.3	1.237	2.093	18.3	20.5	3 22	14 36.67	-21 9.9	2.392	3.202	12.1	21.2
4 1	14 34.34	-18 15.6	1.163	2.086	14.1	20.2	4 1	14 32.51	-20 25.5	2.299	3.196	9.3	21.1
4 11	14 28.50	-17 57.0	1.108	2.080	9.3	19.9	4 11	14 26.68	-19 27.0	2.230	3.190	6.1	20.8
4 21	14 20.46	-17 23.0	1.075	2.074	3.9	19.6	4 21	14 19.71	-18 16.6	2.188	3.185	2.7	20.6
5 1	14 11.54	-16 38.3	1.065	2.070	2.7	19.5	5 1	14 12.34	-16 58.5	2.174	3.179	1.7	20.5
5 11	14 3.27	-15 50.5	1.079	2.067	8.0	19.8	5 11	14 5.36	-15 38.1	2.190	3.173	5.1	20.7
5 21	13 56.95	-15 7.5	1.115	2.065	13.2	20.1	5 21	13 59.46	-14 21.3	2.234	3.167	8.5	20.9
5 31	13 53.48	-14 36.2	1.171	2.065	17.7	20.3	5 31	13 55.17	-13 13.2	2.302	3.160	11.5	21.1
500796	2013 <i>FR</i> ₁₃		4 26.3 311°10'	3°7/24.5	17		102920	1999 <i>XC</i> ₂₇		4 26.3 218°44'	1°7/25.0	17	
3 22	14 42.24	- 6 42.0	1.251	2.117	17.4	20.5	3 22	14 42.71	-10 55.0	1.890	2.727	13.7	19.8
4 1	14 38.24	- 6 28.1	1.167	2.098	13.3	20.2	4 1	14 37.45	-10 24.7	1.803	2.720	10.3	19.6
4 11	14 31.06	- 6 10.5	1.103	2.079	8.6	19.9	4 11	14 29.97	- 9 46.9	1.740	2.712	6.4	19.4
4 21	14 21.43	- 5 54.1	1.062	2.061	4.2	19.6	4 21	14 20.92	- 9 5.1	1.704	2.704	2.5	19.1
5 1	14 10.64	- 5 44.9	1.045	2.043	5.3	19.6	5 1	14 11.26	- 8 24.0	1.695	2.695	3.2	19.1
5 11	14 0.30	- 5 48.6	1.052	2.026	10.4	19.8	5 11	14 2.05	- 7 48.8	1.714	2.686	7.3	19.3
5 21	13 51.86	- 6 8.8	1.080	2.010	15.6	20.0	5 21	13 54.21	- 7 23.9	1.759	2.676	11.3	19.6
5 31	13 46.39	- 6 46.9	1.127	1.994	20.2	20.3	5 31	13 48.46	- 7 12.3	1.826	2.666	14.8	19.8
56744	2000 <i>NN</i> ₂₆		4 26.3 265°94'	4°1/30.1	18		23577	1995 <i>DY</i> ₈		4 26.3 310°10'	1°0/25.4	17	
3 22	14 39.11	-27 42.8	2.303	3.083	13.4	19.0	3 22	14 36.21	-12 18.5	2.239	3.077	11.8	19.2
4 1	14 34.60	-27 49.6	2.206	3.075	10.9	18.8	4 1	14 32.31	-11 51.3	2.144	3.061	8.9	19.0
4 11	14 28.12	-27 40.4	2.131	3.067	8.1	18.6	4 11	14 26.64	-11 16.8	2.073	3.046	5.5	18.7
4 21	14 20.23	-27 14.6	2.081	3.058	5.3	18.5	4 21	14 19.73	-10 37.7	2.030	3.031	2.0	18.5
5 1	14 11.78	-26 33.7	2.058	3.049	4.1	18.4	5 1	14 12.30	- 9 57.9	2.014	3.016	2.4	18.5
5 11	14 3.69	-25 41.5	2.063	3.041	5.8	18.4	5 11	14 5.19	- 9 21.7	2.026	3.001	6.1	18.7
5 21	13 56.80	-24 43.4	2.095	3.032	8.7	18.6	5 21	13 59.13	- 8 53.0	2.064	2.987	9.6	18.9
5 31	13 51.75	-23 45.3	2.151	3.023	11.6	18.8	5 31	13 54.69	- 8 35.0	2.125	2.973	12.7	19.1
73069	2002 <i>FM</i> ₃₄		4 26.3 309°07'	6°7/20.0	18		92935	2000 <i>RX</i> ₃₁		4 26.3 114°86'	5°1/30.5	17	
3 22	14 35.63	- 1 7.7	1.672	2.536	13.8	18.6	3 22	14 43.91	-28 58.6	2.029	2.804	15.1	19.9
4 1	14 32.34	+ 0 31.9	1.592	2.518	10.7	18.4	4 1	14 38.36	-29 22.4	1.953	2.815	12.3	19.7
4 11	14 26.86	+ 2 14.9	1.535	2.500	7.9	18.2	4 11	14 30.51	-29 28.3	1.897	2.827	9.3	19.6
4 21	14 19.82	+ 3 52.4	1.504	2.483	6.7	18.1	4 21	14 21.09	-29 14.9	1.867	2.838	6.4	19.4
5 1	14 12.15	+ 5 15.2	1.498	2.465	8.4	18.1	5 1	14 11.14	-28 43.3	1.863	2.849	5.1	19.4
5 11	14 4.90	+ 6 15.5	1.517	2.449	11.6	18.3	5 11	14 1.78	-27 57.6	1.886	2.859	6.6	19.5
5 21	13 58.99	+ 6 49.3	1.558	2.432	15.1	18.4	5 21	13 53.96	-27 4.1	1.935	2.870	9.5	19.6
5 31	13 55.14	+ 6 55.6	1.618	2.416	18.2	18.6	5 31	13 48.35	-26 9.5	2.009	2.880	12.4	19.9
231778	1999 <i>XQ</i> ₂₁₇		4 26.3 82°44'	2°8/28.1	18		275941	2001 <i>UX</i> ₁₂₃					

EPHEMERIDES

4 26.3

4 26.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
380807	2005 YJ ₂₃		4 26.3 301°41	3°5/23.7	17		500079	2011 WY ₉₂		4 26.3 233°09	2°7/24.4	17	
3 22	14 39.50	- 6 34.2	1.739	2.592	13.9	20.8	3 22	14 44.10	- 9 3.0	1.794	2.634	14.2	22.1
4 1	14 35.15	- 5 53.7	1.661	2.585	10.5	20.5	4 1	14 38.70	- 8 23.8	1.702	2.620	10.7	21.8
4 11	14 28.57	- 5 9.1	1.605	2.578	6.8	20.3	4 11	14 30.88	- 7 37.6	1.634	2.606	6.8	21.6
4 21	14 20.44	- 4 25.2	1.575	2.571	3.7	20.1	4 21	14 21.31	- 6 48.5	1.592	2.591	3.1	21.3
5 1	14 11.73	- 3 47.7	1.572	2.565	4.9	20.1	5 1	14 11.00	- 6 2.3	1.578	2.575	4.1	21.3
5 11	14 3.51	- 3 22.1	1.595	2.558	8.6	20.3	5 11	14 1.09	- 5 24.6	1.592	2.559	8.3	21.5
5 21	13 56.69	- 3 11.6	1.642	2.552	12.4	20.6	5 21	13 52.62	- 5 0.2	1.630	2.542	12.4	21.7
5 31	13 51.98	- 3 17.9	1.709	2.546	15.8	20.8	5 31	13 46.37	- 4 51.9	1.690	2.523	16.1	21.9
437735	2014 EF ₉		4 26.3 295°67	6°7/19.3	17		126157	2001 YG ₁₅₀		4 26.3 314°42	0°5/26.6	18	
3 22	14 35.96	+ 3 30.1	2.142	2.993	11.8	20.8	3 22	14 40.85	-14 41.2	1.467	2.314	16.4	18.9
4 1	14 32.08	+ 4 52.1	2.068	2.981	9.4	20.6	4 1	14 36.96	-14 53.0	1.371	2.291	12.6	18.6
4 11	14 26.46	+ 6 11.5	2.018	2.970	7.3	20.4	4 11	14 30.19	-14 55.2	1.297	2.269	8.1	18.3
4 21	14 19.66	+ 7 21.7	1.995	2.959	6.7	20.4	4 21	14 21.18	-14 48.9	1.246	2.247	3.1	17.9
5 1	14 12.43	+ 8 16.3	1.998	2.947	8.0	20.4	5 1	14 11.05	-14 36.8	1.220	2.225	2.5	17.8
5 11	14 5.57	+ 8 50.8	2.026	2.936	10.3	20.5	5 11	14 1.22	-14 23.7	1.220	2.204	7.9	18.1
5 21	13 59.80	+ 9 3.3	2.078	2.925	12.9	20.7	5 21	13 53.02	-14 14.6	1.242	2.184	13.0	18.3
5 31	13 55.67	+ 8 54.0	2.149	2.914	15.3	20.8	5 31	13 47.46	-14 14.5	1.286	2.164	17.5	18.5
429156	2009 UB ₁₂₈		4 26.3 238°29	0°5/26.7	17		63700	2001 QR ₁₈₁		4 26.3 165°76	0°4/26.7	18	
3 22	14 42.77	-15 53.3	1.980	2.804	13.7	22.0	3 22	14 42.79	-16 16.8	2.290	3.106	12.3	19.7
4 1	14 37.53	-15 50.3	1.887	2.794	10.5	21.8	4 1	14 37.10	-16 4.0	2.208	3.111	9.4	19.5
4 11	14 30.07	-15 37.7	1.817	2.784	6.7	21.5	4 11	14 29.55	-15 42.1	2.151	3.116	6.0	19.3
4 21	14 21.00	-15 16.8	1.773	2.773	2.5	21.2	4 21	14 20.76	-15 12.7	2.120	3.120	2.2	19.1
5 1	14 11.25	-14 50.5	1.758	2.762	2.0	21.2	5 1	14 11.54	-14 38.8	2.119	3.124	1.7	19.0
5 11	14 1.89	-14 23.0	1.770	2.751	6.2	21.4	5 11	14 2.77	-14 4.5	2.147	3.127	5.5	19.3
5 21	13 53.84	-13 58.8	1.809	2.739	10.3	21.6	5 21	13 55.22	-13 33.8	2.203	3.129	8.9	19.5
5 31	13 47.85	-13 42.1	1.870	2.727	13.8	21.8	5 31	13 49.47	-13 10.3	2.282	3.131	11.9	19.7
459986	2014 OU ₃₇		4 26.3 186°71	3°9/23.5	16		32827	1992 DF ₁		4 26.3 130°58	9°5/17.2	18	
3 22	14 43.53	- 6 23.4	1.710	2.557	14.4	22.4	3 22	14 44.00	+10 31.0	1.950	2.780	13.6	19.5
4 1	14 38.15	- 5 31.2	1.636	2.557	10.9	22.2	4 1	14 37.98	+12 27.1	1.912	2.801	11.3	19.3
4 11	14 30.43	- 4 34.4	1.585	2.556	7.0	22.0	4 11	14 30.01	+14 12.0	1.899	2.820	9.8	19.3
4 21	14 21.10	- 3 38.5	1.560	2.555	4.0	21.8	4 21	14 20.88	+15 37.1	1.912	2.838	9.6	19.3
5 1	14 11.22	- 2 50.1	1.563	2.554	5.3	21.8	5 1	14 11.51	+16 35.8	1.951	2.855	10.8	19.4
5 11	14 1.92	- 2 15.0	1.592	2.551	9.0	22.0	5 11	14 2.87	+17 5.2	2.015	2.871	12.8	19.6
5 21	13 54.18	- 1 56.7	1.646	2.548	12.8	22.3	5 21	13 55.70	+17 6.2	2.099	2.887	14.8	19.7
5 31	13 48.68	- 1 56.8	1.720	2.545	16.2	22.5	5 31	13 50.52	+16 41.7	2.201	2.901	16.7	19.9
509072	2005 TJ ₁₉₆		4 26.3 194°69	0°6/25.7	18		292798	2006 US ₂₃₃		4 26.3 307°23	2°1/24.3	17	
3 22	14 36.10	-15 1.3	2.838	3.659	10.0	22.7	3 22	14 35.80	-11 32.9	2.024	2.869	12.6	20.4
4 1	14 31.77	-14 9.4	2.749	3.657	7.5	22.6	4 1	14 32.10	-10 27.8	1.939	2.861	9.4	20.1
4 11	14 26.08	-13 8.9	2.686	3.655	4.7	22.4	4 11	14 26.54	- 9 13.1	1.879	2.853	5.8	19.9
4 21	14 19.50	-12 2.9	2.651	3.652	1.6	22.1	4 21	14 19.73	- 7 53.8	1.846	2.846	2.5	19.7
5 1	14 12.62	-10 55.2	2.647	3.649	1.8	22.1	5 1	14 12.45	- 6 35.9	1.841	2.838	3.5	19.7
5 11	14 6.06	- 9 50.2	2.672	3.646	4.9	22.4	5 11	14 5.59	- 5 26.0	1.863	2.831	7.2	19.9
5 21	14 0.38	- 8 51.8	2.725	3.643	7.8	22.5	5 21	13 59.90	- 4 29.3	1.911	2.824	10.8	20.1
5 31	13 56.02	- 8 3.3	2.804	3.639	10.3	22.7	5 31	13 55.97	- 3 49.1	1.981	2.817	13.9	20.3
102755	1999 VX ₁₂₇		4 26.3 130°86	0°8/25.8	18		321858	2010 RV ₁₄₀		4 26.3 92°13	6°0/21.2	18	
3 22	14 43.96	-13 20.6	1.871	2.702	14.1	20.5	3 22	14 39.99	- 3 8.4	1.587	2.446	14.7	20.4
4 1	14 38.22	-12 55.9	1.802	2.715	10.6	20.3	4 1	14 35.40	- 1 24.4	1.536	2.461	11.2	20.2
4 11	14 30.32	-12 22.4	1.757	2.728	6.5	20.1	4 11	14 28.60	+ 0 21.4	1.508	2.476	7.7	20.0
4 21	14 21.02	-11 43.3	1.739	2.740	2.3	19.8	4 21	14 20.42	+ 1 59.8	1.507	2.491	6.0	19.9
5 1	14 11.32	-11 2.9	1.748	2.751	2.5	19.9	5 1	14 11.91	+ 3 22.0	1.532	2.505	7.6	20.1
5 11	14 2.26	-10 26.4	1.786	2.762	6.7	20.2	5 11	14 4.17	+ 4 21.2	1.582	2.520	10.8	20.3
5 21	13 54.70	- 9 58.1	1.850	2.773	10.5	20.4	5 21	13 58.02	+ 4 54.7	1.655	2.534	14.1	20.5
5 31	13 49.27	- 9 41.2	1.936	2.783	13.8	20.6	5 31	13 54.04	+ 5 2.9	1.748	2.548	17.0	20.7
83430	2001 SN ₄₆		4 26.3 282°76	0°6/25.8	18		158360	2001 XW ₁₃₉		4 26.3 208°74	0°3/26.6	18	
3 22	14 38.53	-13 23.2	2.130	2.964	12.5	19.6	3 22	14 41.23	-16 43.6	2.174	2.994	12.7	21.1
4 1	14 34.12	-13 3.1	2.040	2.955	9.4	19.4	4 1	14 36.13	-16 20.6	2.084	2.989	9.7	20.9
4 11	14 27.82	-12 34.9	1.974	2.945	5.9	19.2	4 11	14 29.05	-15 46.9	2.017	2.983	6.2	20.7
4 21	14 20.18	-12 1.2	1.934	2.936	2.0	18.9	4 21	14 20.63	-15 4.5	1.976	2.977	2.3	20.4
5 1	14 12.01	-11 25.7	1.923	2.927	2.2	18.9	5 1	14 11.67	-14 17.0	1.965	2.970	1.8	20.4
5 11	14 4.21	-10 52.6	1.939	2.917	6.1	19.1	5 11	14 3.12	-13 29.2	1.982	2.962	5.8	20.6
5 21	13 57.56	-10 26.1	1.982	2.908	9.8	19.3	5 21	13 55.79	-12 45.9	2.026	2.954	9.5	20.8
5 31	13 52.70	-10 9.5	2.048	2.899	13.0	19.5	5 31	13 50.29	-12 11.4	2.094	2.946	12.7	21.0
312014	2007 RH ₁₈		4 26.3 141°32	0°3/26.6	18		34343	2000 QU ₂₂₇		4 26.3 62°01	1°4/25.3	17	
3 22	14 42.59	-17 21.2	1.685	2.515	15.4	21.1	3 22	14 39.69	-12 22.8	1.753	2.597	14.3	19.2
4 1	14 37.50	-16 46.2	1.612	2.523	11.7	20.9	4 1	14 35.24	-11 48.0	1.679	2.599	10.7	19.0
4 11	14 30.02	-15 56.9	1.562	2.530	7.4	20.6	4 11	14 28.60	-11 4.2	1.628	2.601	6.6	18.7
4 21	14 20.95	-14 56.6	1.537	2.537	2.7	20.3	4 21	14 20.47	-10 15.2	1.602	2.604	2.4	18.5
5 1	14 11.38	-13 50.7	1.539	2.544	2.2	20.3	5 1	14 11.83	- 9 26.3	1.604	2.606	3.0	18.5
5 11	14 2.48	-12 46.3	1.568	2.550	6.9	20.6	5 11	14 3.76	- 8 43.4	1.632	2.608	7.2	18.8
5 21	13 55.22	-11 49.9	1.623	2.555	11.1	20.9	5 21	13 57.15	- 8 11.1	1.686	2.610	11.2	19.0
5 31	13 50.26	-11 6.7	1.701	2.560	14.8	21.1	5 31	13 52.63	- 7 52.8	1.761	2.613	14.7	19.2
181909	1999 TX ₁₅		4 26.3 208°99	0°2/26.6	17		360581	2003 UU ₂₇₇		4 26.3 214°07	0°7/25.7	18	
3 22	14 37.6												

EPHEMERIDES

4 26.3

4 26.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
29559	1998 <i>DS</i> ₄		4 26.3 194°06	5°8/19.6	18		26033	6801 <i>P-L</i>		4 26.3 265°47	2°1/24.8	18	
3 22	14 36.84	+ 3 22.3	2.485	3.328	10.6	19.0	3 22	14 41.26	-10 45.6	1.790	2.633	14.1	19.9
4 1	14 32.46	+ 4 38.9	2.417	3.327	8.4	18.8	4 1	14 36.64	-10 6.3	1.694	2.613	10.7	19.6
4 11	14 26.57	+ 5 52.7	2.375	3.325	6.5	18.7	4 11	14 29.65	- 9 18.0	1.620	2.593	6.7	19.3
4 21	14 19.71	+ 6 58.0	2.360	3.323	5.9	18.6	4 21	14 20.93	- 8 24.8	1.572	2.573	2.8	19.0
5 1	14 12.52	+ 7 49.7	2.372	3.321	6.9	18.7	5 1	14 11.42	- 7 32.0	1.552	2.552	3.7	19.0
5 11	14 5.71	+ 8 24.2	2.412	3.318	9.0	18.8	5 11	14 2.25	- 6 46.1	1.559	2.530	8.0	19.2
5 21	13 59.87	+ 8 39.9	2.475	3.316	11.3	19.0	5 21	13 54.45	- 6 12.2	1.591	2.509	12.2	19.4
5 31	13 55.49	+ 8 36.9	2.559	3.313	13.4	19.1	5 31	13 48.79	- 5 54.1	1.644	2.487	16.0	19.6
246701	2009 <i>AX</i> ₃₁		4 26.3 276°89	6°3/22.1	17		306309	2011 <i>SH</i> ₇₁		4 26.3 276°31	5°2/30.2	16	
3 22	14 41.48	- 2 10.1	1.455	2.316	15.7	20.8	3 22	14 42.72	-28 23.9	2.246	3.018	13.9	21.4
4 1	14 37.14	- 1 4.9	1.375	2.301	12.1	20.5	4 1	14 37.58	-29 4.7	2.144	3.005	11.5	21.2
4 11	14 30.11	+ 0 2.6	1.317	2.286	8.5	20.3	4 11	14 30.18	-29 31.1	2.065	2.992	8.8	20.9
4 21	14 21.10	+ 1 4.6	1.283	2.271	6.3	20.1	4 21	14 21.11	-29 40.9	2.010	2.979	6.2	20.8
5 1	14 11.26	+ 1 52.5	1.275	2.255	7.9	20.1	5 1	14 11.25	-29 33.7	1.982	2.966	5.2	20.7
5 11	14 1.92	+ 2 19.2	1.290	2.239	11.6	20.3	5 11	14 1.66	-29 11.8	1.982	2.952	6.6	20.7
5 21	13 54.24	+ 2 21.5	1.328	2.224	15.7	20.5	5 21	13 53.30	-28 39.5	2.008	2.939	9.4	20.9
5 31	13 49.08	+ 1 59.0	1.384	2.208	19.4	20.7	5 31	13 46.96	-28 2.9	2.058	2.926	12.3	21.0
403268	2008 <i>YZ</i> ₁₅₀		4 26.3 39°31	1°9/25.2	16		522997	2016 <i>PV</i> ₁₂₀		4 26.4 161°49	0°4/26.7	17	
3 22	14 40.27	-12 24.3	1.187	2.053	18.2	21.1	3 22	14 37.02	-17 42.1	2.433	3.252	11.6	22.1
4 1	14 36.41	-11 45.4	1.132	2.063	13.7	20.8	4 1	14 32.71	-17 6.0	2.349	3.253	8.8	21.9
4 11	14 29.62	-10 54.7	1.096	2.074	8.4	20.6	4 11	14 26.80	-16 19.3	2.289	3.255	5.6	21.7
4 21	14 20.87	- 9 57.8	1.084	2.085	3.1	20.3	4 21	14 19.81	-15 24.3	2.256	3.256	2.1	21.5
5 1	14 11.55	- 9 2.7	1.095	2.097	3.9	20.4	5 1	14 12.47	-14 25.0	2.253	3.258	1.6	21.4
5 11	14 3.17	- 8 17.4	1.130	2.110	9.1	20.7	5 11	14 5.54	-13 26.0	2.278	3.259	5.1	21.7
5 21	13 56.88	- 7 48.0	1.188	2.123	14.0	21.0	5 21	13 59.65	-12 31.9	2.331	3.260	8.4	21.9
5 31	13 53.38	- 7 37.6	1.264	2.137	18.1	21.3	5 31	13 55.31	-11 46.6	2.408	3.261	11.2	22.1
116511	2004 <i>BW</i> ₃₄		4 26.3 193°41	0°2/26.2	18		56203	1999 <i>GU</i> ₂₀		4 26.4 311°81	2°2/25.2	18	
3 22	14 39.51	-14 40.1	2.291	3.116	12.0	21.0	3 22	14 45.45	- 7 20.6	1.675	2.518	14.9	17.9
4 1	14 34.69	-14 22.4	2.206	3.115	9.1	20.8	4 1	14 39.81	- 7 30.6	1.594	2.513	11.3	17.6
4 11	14 28.08	-13 56.6	2.145	3.114	5.7	20.6	4 11	14 31.62	- 7 39.0	1.535	2.508	7.1	17.4
4 21	14 20.27	-13 24.7	2.112	3.113	2.0	20.3	4 21	14 21.62	- 7 48.3	1.503	2.502	3.0	17.1
5 1	14 12.02	-12 50.0	2.107	3.111	1.8	20.3	5 1	14 10.87	- 8 1.3	1.497	2.498	3.6	17.1
5 11	14 4.17	-12 16.6	2.131	3.110	5.6	20.6	5 11	14 0.64	- 8 20.8	1.519	2.493	7.9	17.4
5 21	13 57.44	-11 48.3	2.181	3.108	9.0	20.8	5 21	13 51.99	- 8 48.8	1.566	2.488	12.1	17.6
5 31	13 52.40	-11 28.2	2.256	3.105	12.0	21.0	5 31	13 45.73	- 9 26.5	1.635	2.484	15.8	17.8
460464	2014 <i>SH</i> ₂₆₀		4 26.3 260°69	6°0/22.7	16		377861	2006 <i>BB</i> ₂₄₂		4 26.4 123°65	0°5/25.9	17	
3 22	14 44.25	- 1 15.1	1.494	2.349	15.7	21.1	3 22	14 40.97	-13 45.8	1.967	2.800	13.4	21.8
4 1	14 39.15	- 0 31.4	1.416	2.339	12.1	20.8	4 1	14 35.98	-13 25.1	1.893	2.807	10.1	21.6
4 11	14 31.31	+ 0 11.7	1.360	2.327	8.5	20.6	4 11	14 28.96	-12 55.9	1.842	2.813	6.3	21.4
4 21	14 21.51	+ 0 47.4	1.328	2.316	6.1	20.4	4 21	14 20.60	-12 20.8	1.817	2.819	2.2	21.1
5 1	14 10.91	+ 1 8.7	1.322	2.304	7.4	20.5	5 1	14 11.80	-11 43.8	1.821	2.825	2.2	21.1
5 11	14 0.86	+ 1 10.6	1.341	2.293	11.1	20.6	5 11	14 3.52	-11 9.7	1.852	2.830	6.3	21.4
5 21	13 52.51	+ 0 51.0	1.383	2.281	15.1	20.8	5 21	13 56.60	-10 42.7	1.909	2.836	10.1	21.6
5 31	13 46.71	+ 0 10.3	1.444	2.269	18.7	21.0	5 31	13 51.63	-10 25.9	1.990	2.841	13.3	21.8
272573	2005 <i>UC</i> ₅₂₄		4 26.3 178°11	2°6/23.9	17		496232	2012 <i>CL</i> ₃₂		4 26.4 142°60	1°1/25.5	16	
3 22	14 40.32	- 8 36.9	2.190	3.028	12.0	22.3	3 22	14 41.61	-13 52.5	1.711	2.550	14.8	22.3
4 1	14 35.27	- 7 43.2	2.113	3.030	9.0	22.1	4 1	14 36.72	-13 9.2	1.638	2.556	11.1	22.1
4 11	14 28.42	- 6 44.0	2.060	3.031	5.7	21.9	4 11	14 29.53	-12 14.7	1.589	2.561	6.9	21.9
4 21	14 20.38	- 5 43.5	2.035	3.032	2.9	21.7	4 21	14 20.82	-11 13.2	1.565	2.567	2.4	21.6
5 1	14 11.95	- 4 47.1	2.038	3.032	3.8	21.8	5 1	14 11.62	-10 10.6	1.569	2.572	2.8	21.6
5 11	14 3.97	- 3 59.6	2.070	3.032	7.1	22.0	5 11	14 3.05	- 9 13.6	1.600	2.576	7.3	21.9
5 21	13 57.18	- 3 24.8	2.128	3.031	10.4	22.2	5 21	13 56.03	- 8 27.8	1.656	2.580	11.4	22.2
5 31	13 52.12	- 3 4.7	2.209	3.029	13.2	22.4	5 31	13 51.22	- 7 57.0	1.734	2.584	15.0	22.4
432844	2011 <i>HL</i> ₄₅		4 26.3 266°28	5°7/21.4	17		248041	2004 <i>HN</i> ₁		4 26.4 152°82	2°2/24.4	18	
3 22	14 39.33	+ 0 27.2	1.998	2.847	12.6	21.3	3 22	14 41.70	-20 31.1	1.146	1.994	19.9	19.7
4 1	14 34.77	+ 1 25.3	1.918	2.836	9.8	21.1	4 1	14 37.70	-17 44.7	1.074	1.997	15.0	19.4
4 11	14 28.24	+ 2 22.3	1.863	2.824	7.1	20.9	4 11	14 30.53	-14 21.4	1.024	2.000	9.2	19.1
4 21	14 20.36	+ 3 12.2	1.833	2.812	5.7	20.8	4 21	14 21.22	-10 33.8	1.001	2.002	3.2	18.7
5 1	14 11.95	+ 3 49.2	1.830	2.800	6.9	20.9	5 1	14 11.32	- 6 42.6	1.005	2.005	5.0	18.8
5 11	14 3.94	+ 4 8.8	1.854	2.788	9.7	21.0	5 11	14 2.45	- 3 11.0	1.036	2.007	11.1	19.2
5 21	13 57.16	+ 4 8.9	1.901	2.776	12.7	21.2	5 21	13 55.84	- 0 16.4	1.091	2.008	16.7	19.5
5 31	13 52.22	+ 3 49.5	1.969	2.763	15.5	21.3	5 31	13 52.22	+ 1 53.5	1.166	2.009	21.2	19.8
330696	2008 <i>KC</i> ₉		4 26.3 64°48	1°9/25.0	17		88525	2001 <i>QU</i> ₁₇₄		4 26.4 200°74	1°3/27.4	18	R
3 22	14 41.63	-10 56.2	1.539	2.389	15.6	20.7	3 22	14 41.35	-19 21.9	1.984	2.801	13.9	19.8
4 1	14 36.80	-10 24.6	1.480	2.404	11.6	20.5	4 1	14 36.42	-19 2.8	1.897	2.798	10.7	19.6
4 11	14 29.58	- 9 45.4	1.444	2.418	7.2	20.2	4 11	14 29.34	-18 30.3	1.832	2.795	7.0	19.4
4 21	14 20.81	- 9 2.9	1.432	2.433	2.8	20.0	4 21	14 20.78	-17 45.9	1.794	2.792	3.0	19.1
5 1	14 11.62	- 8 22.9	1.447	2.448	3.5	20.1	5 1	14 11.66	-16 53.3	1.784	2.789	2.0	19.0
5 11	14 3.20	- 7 51.0	1.488	2.463	7.9	20.4	5 11	14 3.01	-15 57.9	1.802	2.785	6.0	19.3
5 21	13 56.49	- 7 31.5	1.553	2.478	12.0	20.7	5 21	13 55.72	-15 5.6	1.846	2.780	9.9	19.5
5 31	13 52.13	- 7 26.7	1.639	2.493	15.5	20.9	5 31	13 50.45	-14 21.5	1.914	2.775	13.3	19.7
305496	2008 <i>EN</i> ₆₈		4 26.3 62°39	2°7/23.9	17		413287	2003 <i>UE</i> ₁₂₈					

EPHEMERIDES

4 26.4

4 26.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
298908	2004 <i>TR</i> ₇₉		4 26.4 118°77	1.6°/25.0	18		161364	2003 <i>SJ</i> ₁₉₈		4 26.4 231°47	5°3/30.8	18	
3 22	14 42.87	-13 29.2	1.673	2.512	15.1	21.1	3 22	14 42.67	-30 5.1	2.264	3.028	14.0	20.3
4 1	14 37.56	-12 26.9	1.611	2.528	11.3	20.8	4 1	14 37.49	-30 31.4	2.166	3.020	11.6	20.1
4 11	14 29.98	-11 13.3	1.571	2.544	6.9	20.6	4 11	14 30.10	-30 41.2	2.089	3.012	9.0	19.9
4 21	14 20.96	-9 53.7	1.558	2.559	2.5	20.4	4 21	14 21.11	-30 32.5	2.038	3.003	6.4	19.7
5 1	14 11.58	-8 35.3	1.572	2.573	3.3	20.5	5 1	14 11.43	-30 5.7	2.013	2.995	5.3	19.6
5 11	14 2.96	-7 25.6	1.615	2.587	7.6	20.8	5 11	14 2.11	-29 23.7	2.015	2.985	6.6	19.7
5 21	13 55.98	-6 30.3	1.682	2.601	11.6	21.0	5 21	13 54.08	-28 32.0	2.044	2.976	9.2	19.8
5 31	13 51.25	-5 52.7	1.771	2.613	15.1	21.3	5 31	13 48.06	-27 36.9	2.097	2.966	12.0	20.0
241702	2000 <i>SQ</i> ₂₃₁		4 26.4 104°26	7°1/30.3	18		358999	2008 <i>TC</i> ₉₄		4 26.4 131°79	0°2/26.5	18	
3 22	14 53.21	-30 2.7	1.968	2.723	16.1	20.2	3 22	14 46.47	-14 46.4	1.469	2.307	16.9	21.6
4 1	14 45.81	-31 31.6	1.890	2.735	13.5	20.0	4 1	14 40.84	-14 47.6	1.399	2.313	12.8	21.4
4 11	14 35.51	-32 44.6	1.833	2.746	10.6	19.9	4 11	14 32.37	-14 38.1	1.350	2.320	8.1	21.1
4 21	14 23.06	-33 36.8	1.803	2.757	8.1	19.7	4 21	14 21.93	-14 19.8	1.325	2.326	2.9	20.8
5 1	14 9.67	-34 5.2	1.799	2.769	7.1	19.7	5 1	14 10.80	-13 56.3	1.327	2.331	2.4	20.8
5 11	13 56.78	-34 11.3	1.824	2.779	8.3	19.8	5 11	14 0.41	-13 33.1	1.355	2.337	7.6	21.1
5 21	13 45.66	-34 0.1	1.874	2.790	10.8	20.0	5 21	13 51.93	-13 15.5	1.407	2.342	12.3	21.4
5 31	13 37.23	-33 38.9	1.948	2.801	13.5	20.2	5 31	13 46.17	-13 7.8	1.481	2.347	16.3	21.7
236436	2006 <i>DQ</i> ₁₅₅		4 26.4 190°89	4°2/29.9	17		128698	2004 <i>RD</i> ₉₉		4 26.4 293°08	0°3/26.1	18	
3 22	14 43.25	-27 8.4	2.339	3.114	13.3	21.0	3 22	14 38.74	-15 32.7	1.715	2.555	14.7	20.2
4 1	14 37.72	-27 28.9	2.247	3.113	10.8	20.8	4 1	14 34.85	-15 0.8	1.622	2.539	11.2	20.0
4 11	14 30.12	-27 34.8	2.177	3.111	8.0	20.6	4 11	14 28.59	-14 15.9	1.551	2.523	7.1	19.7
4 21	14 21.07	-27 25.0	2.133	3.109	5.3	20.4	4 21	14 20.62	-13 20.8	1.506	2.507	2.5	19.4
5 1	14 11.44	-27 0.3	2.117	3.107	4.2	20.4	5 1	14 11.90	-12 20.7	1.487	2.491	2.4	19.3
5 11	14 2.20	-26 24.0	2.129	3.104	5.9	20.5	5 11	14 3.58	-11 22.2	1.495	2.476	7.2	19.6
5 21	13 54.20	-25 40.8	2.168	3.101	8.7	20.6	5 21	13 56.68	-10 31.9	1.527	2.460	11.6	19.8
5 31	13 48.13	-24 56.5	2.232	3.097	11.5	20.8	5 31	13 51.97	-9 54.9	1.581	2.445	15.5	20.0
25957	2001 <i>FO</i> ₁₆		4 26.4 212°21	1°4/25.1	18		286123	2001 <i>TP</i> ₁₄₉		4 26.4 235°72	1°8/25.1	17	
3 22	14 38.96	-11 49.8	2.240	3.074	11.9	19.2	3 22	14 44.63	-11 14.7	1.769	2.606	14.5	21.6
4 1	14 34.32	-11 11.0	2.155	3.070	8.9	19.0	4 1	14 39.22	-10 43.7	1.675	2.591	11.0	21.4
4 11	14 27.89	-10 24.7	2.094	3.065	5.5	18.8	4 11	14 31.32	-10 4.0	1.605	2.576	6.9	21.1
4 21	14 20.25	-9 34.3	2.060	3.060	2.1	18.5	4 21	14 21.59	-9 19.0	1.560	2.560	2.7	20.8
5 1	14 12.17	-8 44.2	2.055	3.055	2.7	18.6	5 1	14 11.06	-8 33.9	1.543	2.544	3.4	20.8
5 11	14 4.49	-7 59.1	2.078	3.050	6.3	18.8	5 11	14 0.92	-7 54.5	1.554	2.526	7.9	21.0
5 21	13 57.92	-7 23.0	2.128	3.044	9.7	19.0	5 21	13 52.24	-7 25.9	1.590	2.508	12.2	21.2
5 31	13 53.04	-6 58.9	2.201	3.038	12.7	19.2	5 31	13 45.84	-7 11.8	1.647	2.489	16.0	21.4
338594	2003 <i>SM</i> ₁₅₀		4 26.4 280°24	3°0/24.1	17		430981	2005 <i>WU</i> ₁₄₀		4 26.4 220°81	5°4/1.2	17	
3 22	14 41.14	-7 5.5	2.004	2.846	12.8	20.8	3 22	14 42.09	-31 6.8	2.131	2.895	14.8	21.8
4 1	14 36.36	-6 34.3	1.901	2.820	9.7	20.6	4 1	14 37.13	-31 15.9	2.035	2.889	12.3	21.6
4 11	14 29.42	-5 58.6	1.822	2.794	6.3	20.3	4 11	14 29.90	-31 5.6	1.960	2.882	9.5	21.4
4 21	14 20.88	-5 22.3	1.770	2.767	3.2	20.1	4 21	14 21.05	-30 34.2	1.909	2.875	6.7	21.2
5 1	14 11.58	-4 50.1	1.745	2.739	4.2	20.1	5 1	14 11.55	-29 42.8	1.884	2.868	5.4	21.1
5 11	14 2.52	-4 26.8	1.748	2.712	7.9	20.2	5 11	14 2.49	-28 35.8	1.887	2.860	6.7	21.2
5 21	13 54.63	-4 15.9	1.776	2.684	11.7	20.4	5 21	13 54.84	-27 19.7	1.917	2.853	9.5	21.3
5 31	13 48.65	-4 19.8	1.826	2.656	15.2	20.6	5 31	13 49.32	-26 2.3	1.971	2.844	12.5	21.5
251745	1998 <i>WK</i> ₃₆		4 26.4 259°81	0°8/25.8	18		134095	2004 <i>XS</i> ₁₁₉		4 26.4 152°83	2°2/24.5	17	
3 22	14 43.41	-12 42.5	1.849	2.683	14.1	20.6	3 22	14 39.97	-9 3.3	2.153	2.991	12.2	20.4
4 1	14 38.26	-12 30.7	1.750	2.664	10.7	20.3	4 1	14 35.06	-8 27.2	2.078	2.995	9.1	20.2
4 11	14 30.70	-12 10.8	1.675	2.646	6.8	20.0	4 11	14 28.34	-7 46.1	2.027	2.999	5.7	20.0
4 21	14 21.36	-11 44.9	1.625	2.627	2.4	19.7	4 21	14 20.43	-7 3.7	2.004	3.003	2.6	19.8
5 1	14 11.18	-11 16.7	1.604	2.607	2.6	19.7	5 1	14 12.13	-6 24.5	2.009	3.007	3.4	19.8
5 11	14 1.32	-10 51.0	1.609	2.587	7.1	19.9	5 11	14 4.30	-5 52.6	2.043	3.010	6.7	20.0
5 21	13 52.82	-10 32.2	1.641	2.567	11.4	20.1	5 21	13 57.66	-5 31.5	2.102	3.013	10.1	20.3
5 31	13 46.50	-10 24.2	1.695	2.546	15.2	20.3	5 31	13 52.77	-5 23.0	2.184	3.015	13.0	20.5
247315	2001 <i>TP</i> ₁₇₆		4 26.4 260°42	0°6/27.3	18		176542	2002 <i>AE</i> ₇₂		4 26.4 148°25	4°5/22.1	18	
3 22	14 33.57	-17 14.0	4.483	5.285	7.0	20.2	3 22	14 38.73	-0 11.7	2.429	3.270	10.9	20.4
4 1	14 29.50	-17 17.5	4.388	5.283	5.3	20.1	4 1	14 33.90	+0 29.3	2.359	3.273	8.3	20.2
4 11	14 24.55	-17 16.4	4.320	5.280	3.4	19.9	4 11	14 27.52	+1 8.6	2.314	3.276	5.9	20.1
4 21	14 19.02	-17 11.3	4.280	5.277	1.5	19.8	4 21	14 20.12	+1 42.0	2.297	3.278	4.5	20.0
5 1	14 13.26	-17 3.4	4.270	5.275	1.0	19.7	5 1	14 12.40	+2 5.4	2.308	3.281	5.4	20.0
5 11	14 7.68	-16 54.2	4.291	5.272	2.9	19.9	5 11	14 5.10	+2 16.0	2.346	3.283	7.8	20.2
5 21	14 2.60	-16 45.3	4.341	5.269	4.8	20.0	5 21	13 58.82	+2 12.4	2.410	3.286	10.3	20.4
5 31	13 58.35	-16 38.2	4.418	5.266	6.6	20.1	5 31	13 54.07	+1 54.3	2.496	3.288	12.7	20.5
377853	2006 <i>BL</i> ₂₀₀		4 26.4 3°50	2°4/24.8	17		64723	2001 <i>XS</i> ₁₀₅		4 26.4 68°70	1°7/27.9	18	
3 22	14 38.90	-9 38.9	1.545	2.402	15.2	20.3	3 22	14 39.68	-19 54.3	2.183	2.996	12.9	19.5
4 1	14 34.94	-9 11.1	1.475	2.401	11.4	20.0	4 1	14 34.92	-19 53.8	2.108	3.006	10.0	19.4
4 11	14 28.57	-8 36.6	1.426	2.401	7.1	19.8	4 11	14 28.29	-19 41.9	2.056	3.016	6.6	19.2
4 21	14 20.55	-7 59.8	1.402	2.402	3.0	19.5	4 21	14 20.42	-19 19.8	2.031	3.026	3.2	19.0
5 1	14 11.95	-7 26.2	1.403	2.403	3.9	19.6	5 1	14 12.15	-18 49.8	2.033	3.036	2.1	18.9
5 11	14 3.94	-7 1.5	1.430	2.405	8.2	19.9	5 11	14 4.36	-18 16.2	2.064	3.047	5.3	19.1
5 21	13 57.52	-6 49.6	1.481	2.407	12.4	20.1	5 21	13 57.82	-17 43.1	2.121	3.057	8.7	19.4
5 31	13 53.39	-6 52.9	1.553	2.410	16.1	20.3	5 31	13 53.07	-17 14.9	2.202	3.067	11.7	19.6
12034	1997 <i>CR</i>		4 26.4 239°82	6°4/19.9	18		324381	2006 <i>RB</i> ₅₃		4 26.4 203°76	1°1/27.2	17	

EPHEMERIDES

4 26.4

4 26.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
266946	2010 <i>TH</i> ₃₀		4 26.4 107°21	0°5/26.8	17		79343	1996 <i>VK</i> ₁₇		4 26.4 17°66	0°7/25.8	17	
3 22	14 41.42	-17 45.0	1.632	2.466	15.7	21.5	3 22	14 38.30	-13 9.0	1.856	2.698	13.7	19.8
4 1	14 36.75	-17 15.2	1.561	2.473	11.9	21.3	4 1	14 34.15	-12 50.9	1.783	2.701	10.3	19.6
4 11	14 29.67	-16 30.7	1.511	2.480	7.6	21.0	4 11	14 27.95	-12 24.6	1.733	2.705	6.4	19.3
4 21	14 20.96	-15 34.7	1.486	2.486	2.9	20.7	4 21	14 20.37	-11 53.0	1.708	2.709	2.2	19.1
5 1	14 11.72	-14 32.4	1.488	2.493	2.1	20.7	5 1	14 12.31	-11 20.1	1.710	2.714	2.4	19.1
5 11	14 3.16	-13 30.8	1.517	2.500	6.9	21.0	5 11	14 4.77	-10 50.7	1.740	2.719	6.5	19.4
5 21	13 56.24	-12 36.5	1.571	2.506	11.2	21.3	5 21	13 58.58	-10 28.9	1.794	2.724	10.3	19.6
5 31	13 51.65	-11 55.0	1.646	2.512	14.9	21.5	5 31	13 54.35	-10 17.9	1.871	2.730	13.7	19.8
406828	2008 <i>YS</i> ₁₀₁		4 26.4 181°31	0°5/26.7	16		293686	2007 <i>PA</i> ₃₄		4 26.4 227°25	1°5/25.2	16	
3 22	14 43.77	-17 15.4	1.712	2.540	15.3	22.1	3 22	14 43.07	-12 25.9	1.854	2.688	14.0	21.6
4 1	14 38.52	-16 50.3	1.632	2.541	11.7	21.9	4 1	14 37.90	-11 44.3	1.762	2.677	10.6	21.3
4 11	14 30.80	-16 11.6	1.574	2.541	7.5	21.7	4 11	14 30.43	-10 52.5	1.694	2.665	6.6	21.1
4 21	14 21.38	-15 21.7	1.541	2.541	2.8	21.4	4 21	14 21.30	-9 54.3	1.652	2.652	2.5	20.8
5 1	14 11.34	-14 25.1	1.536	2.541	2.1	21.3	5 1	14 11.48	-8 55.1	1.638	2.639	3.1	20.8
5 11	14 1.90	-13 28.6	1.558	2.540	6.9	21.6	5 11	14 2.09	-8 1.2	1.652	2.625	7.5	21.0
5 21	13 54.06	-12 38.4	1.606	2.538	11.2	21.8	5 21	13 54.08	-7 18.1	1.691	2.610	11.6	21.2
5 31	13 48.56	-11 59.8	1.676	2.536	15.0	22.1	5 31	13 48.21	-6 49.8	1.753	2.594	15.3	21.4
30578	2001 <i>OD</i> ₁₀₅		4 26.4 182°90	4°7/22.4	18		306703	2000 <i>WT</i>		4 26.4 151°70	9°8/5.4	18	
3 22	14 39.48	-4 24.2	1.805	2.657	13.5	18.6	3 22	14 53.39	-43 45.7	2.287	2.951	16.4	21.3
4 1	14 35.01	-3 14.5	1.735	2.658	10.2	18.4	4 1	14 46.00	-44 48.7	2.205	2.963	14.6	21.2
4 11	14 28.46	-2 1.5	1.688	2.658	6.9	18.2	4 11	14 35.66	-45 28.4	2.142	2.974	12.7	21.1
4 21	14 20.51	-0 51.8	1.668	2.658	4.7	18.0	4 21	14 23.19	-45 39.6	2.100	2.984	10.9	21.0
5 1	14 12.10	+0 7.7	1.675	2.657	6.0	18.1	5 1	14 9.88	-45 19.8	2.083	2.994	9.9	20.9
5 11	14 4.23	+0 51.3	1.708	2.657	9.3	18.3	5 11	13 57.21	-44 31.5	2.090	3.002	10.0	20.9
5 21	13 57.74	+1 15.6	1.764	2.656	12.7	18.5	5 21	13 46.45	-43 21.0	2.123	3.009	11.1	21.0
5 31	13 53.24	+1 19.6	1.842	2.655	15.7	18.7	5 31	13 38.48	-41 57.4	2.180	3.016	12.8	21.1
95736	2003 <i>EX</i> ₅		4 26.4 324°46	5°5/28.5	17		90398	2003 <i>YA</i> ₁₆		4 26.4 85°89	2°8/28.2	18	
3 22	14 42.97	-22 18.2	1.396	2.224	18.1	18.5	3 22	14 44.19	-20 56.9	1.600	2.421	16.5	19.5
4 1	14 39.15	-23 31.9	1.297	2.198	14.7	18.2	4 1	14 39.04	-21 12.4	1.528	2.428	12.9	19.3
4 11	14 32.00	-24 34.9	1.218	2.172	10.8	17.9	4 11	14 31.24	-21 12.9	1.476	2.435	8.8	19.1
4 21	14 22.08	-25 23.0	1.161	2.147	6.9	17.6	4 21	14 21.59	-20 58.3	1.449	2.443	4.5	18.8
5 1	14 10.58	-25 53.3	1.128	2.123	5.7	17.5	5 1	14 11.29	-20 31.0	1.448	2.450	3.1	18.8
5 11	13 59.17	-26 6.7	1.119	2.101	8.9	17.6	5 11	14 1.65	-19 56.3	1.473	2.457	6.8	19.0
5 21	13 49.50	-26 7.4	1.133	2.079	13.5	17.7	5 21	13 53.79	-19 20.4	1.523	2.465	11.0	19.3
5 31	13 42.90	-26 2.9	1.167	2.058	18.0	17.9	5 31	13 48.47	-18 49.5	1.596	2.472	14.8	19.5
57750	2001 <i>VQ</i>		4 26.4 89°51	5°9/19.2	18		148351	2000 <i>RH</i> ₄₃		4 26.4 136°29	6°4/3.6	18	
3 22	14 38.10	+4 8.4	2.575	3.413	10.4	19.0	3 22	14 46.31	-38 52.0	3.153	3.836	12.0	20.1
4 1	14 33.19	+5 41.6	2.537	3.442	8.2	18.9	4 1	14 39.74	-39 40.5	3.068	3.849	10.4	20.0
4 11	14 26.93	+7 9.7	2.526	3.471	6.5	18.8	4 11	14 31.30	-40 13.2	3.005	3.862	8.7	19.9
4 21	14 19.90	+8 27.2	2.543	3.499	6.0	18.8	4 21	14 21.56	-40 27.6	2.966	3.875	7.3	19.8
5 1	14 12.72	+9 29.2	2.589	3.527	7.0	18.9	5 1	14 11.30	-40 23.0	2.955	3.887	6.5	19.8
5 11	14 6.05	+10 12.7	2.661	3.555	8.8	19.1	5 11	14 1.40	-40 1.2	2.971	3.898	6.7	19.8
5 21	14 0.41	+10 36.9	2.758	3.582	10.7	19.2	5 21	13 52.64	-39 25.7	3.014	3.909	7.9	19.9
5 31	13 56.19	+10 42.3	2.875	3.608	12.5	19.4	5 31	13 45.61	-38 41.6	3.082	3.920	9.4	20.0
352520	2008 <i>CC</i> ₁₁₈		4 26.4 271°85	4°8/21.7	17		392667	2011 <i>UV</i> ₂₉₆		4 26.4 240°27	2°3/24.6	16	
3 22	14 37.60	-0 3.1	2.321	3.167	11.2	21.0	3 22	14 43.37	-5 32.4	2.553	3.381	10.8	21.1
4 1	14 33.18	+0 46.7	2.249	3.165	8.6	20.9	4 1	14 37.47	-5 33.3	2.462	3.372	8.2	20.9
4 11	14 27.14	+1 35.1	2.201	3.162	6.1	20.7	4 11	14 29.84	-5 33.8	2.395	3.363	5.2	20.7
4 21	14 20.03	+2 17.4	2.180	3.160	4.8	20.6	4 21	14 21.04	-5 35.9	2.357	3.354	2.6	20.5
5 1	14 12.56	+2 48.9	2.187	3.158	5.8	20.7	5 1	14 11.75	-5 42.2	2.349	3.345	3.2	20.5
5 11	14 5.48	+3 6.3	2.220	3.156	8.3	20.8	5 11	14 2.77	-5 54.6	2.371	3.335	6.2	20.7
5 21	13 59.45	+3 7.8	2.279	3.153	10.9	21.0	5 21	13 54.81	-6 14.5	2.421	3.325	9.2	20.8
5 31	13 54.98	+2 53.4	2.359	3.151	13.3	21.1	5 31	13 48.41	-6 42.9	2.494	3.315	11.9	21.0
510097	2010 <i>OF</i> ₁₂₆		4 26.4 278°05	12°7/6.2	18		377812	2006 <i>BH</i> ₁₃		4 26.4 94°14	5°4/30.9	17	
3 22	14 42.45	+33 35.8	2.638	3.363	13.2	20.4	3 22	14 42.05	-29 52.0	1.908	2.686	15.8	20.7
4 1	14 36.88	+34 54.0	2.590	3.344	12.8	20.3	4 1	14 37.21	-30 6.3	1.830	2.694	13.0	20.5
4 11	14 29.48	+35 51.4	2.561	3.325	12.8	20.3	4 11	14 29.98	-30 0.5	1.772	2.701	9.8	20.3
4 21	14 20.86	+36 21.9	2.553	3.305	13.2	20.3	4 21	14 21.13	-29 33.4	1.738	2.709	6.8	20.2
5 1	14 11.86	+36 21.6	2.564	3.285	13.9	20.3	5 1	14 11.70	-28 46.5	1.729	2.716	5.4	20.1
5 11	14 3.34	+35 49.8	2.593	3.265	14.9	20.4	5 11	14 2.88	-27 45.0	1.748	2.724	6.8	20.2
5 21	13 56.05	+34 48.4	2.637	3.245	15.9	20.4	5 21	13 55.64	-26 35.9	1.792	2.731	9.8	20.4
5 31	13 50.54	+33 21.2	2.696	3.225	16.9	20.5	5 31	13 50.67	-25 27.0	1.860	2.738	12.9	20.6
500202	2012 <i>HX</i> ₁₂		4 26.4 0°54	6°9/22.1	17		429621	2011 <i>FG</i> ₃₈		4 26.4 241°56	0°1/26.5	17	
3 22	14 38.21	-0 53.8	1.277	2.151	16.6	20.9	3 22	14 39.22	-16 34.8	1.877	2.709	14.0	21.3
4 1	14 34.79	+0 2.9	1.217	2.149	12.8	20.6	4 1	14 34.90	-16 2.7	1.796	2.708	10.6	21.1
4 11	14 28.66	+0 58.1	1.177	2.147	9.1	20.4	4 11	14 28.46	-15 18.3	1.737	2.706	6.7	20.9
4 21	14 20.66	+1 43.4	1.160	2.147	6.9	20.3	4 21	14 20.58	-14 24.4	1.704	2.705	2.4	20.6
5 1	14 12.04	+2 11.0	1.167	2.148	8.4	20.4	5 1	14 12.16	-13 25.8	1.699	2.704	2.0	20.5
5 11	14 4.14	+2 15.2	1.197	2.150	12.0	20.6	5 11	14 4.25	-12 28.4	1.721	2.702	6.4	20.8
5 21	13 58.06	+1 54.7	1.247	2.152	15.9	20.8	5 21	13 57.70	-11 38.1	1.769	2.701	10.4	21.1
5 31	13 54.55	+1 10.8	1.315	2.156	19.4	21.0	5 31	13 53.16	-10 59.3	1.839	2.699	13.8	21.3
85762	1998 <i>TH</i> ₄		4 26.4 302°03	0°3/26.2	18		54577	2000 <i>QA</i> ₁₆₀		4 26.4 109°83	2°0/28.4	18	

EPHEMERIDES

4 26.4

4 26.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
347407	2012 <i>SF</i> ₃₀		4 26.4 309°47	1°3/28.4	18		431091	2006 <i>DU</i> ₁₀₈		4 26.4 30°29	2°4/24.4	17	
3 22	14 32.63	-21 2.8	4.171	4.964	7.6	20.8	3 22	14 37.67	-10 53.1	1.748	2.598	14.0	21.1
4 1	14 28.94	-20 59.7	4.074	4.959	5.9	20.7	4 1	14 33.75	-9 53.8	1.677	2.601	10.5	20.9
4 11	14 24.29	-20 50.0	4.002	4.954	4.0	20.6	4 11	14 27.74	-8 45.7	1.630	2.605	6.5	20.6
4 21	14 19.02	-20 34.2	3.958	4.949	2.1	20.4	4 21	14 20.34	-7 34.2	1.608	2.608	2.9	20.4
5 1	14 13.51	-20 13.9	3.943	4.945	1.4	20.3	5 1	14 12.48	-6 25.7	1.614	2.612	3.9	20.5
5 11	14 8.18	-19 50.6	3.959	4.940	3.1	20.5	5 11	14 5.18	-5 27.1	1.646	2.616	7.8	20.7
5 21	14 3.41	-19 26.7	4.003	4.936	5.1	20.6	5 21	13 59.29	-4 43.3	1.702	2.620	11.6	21.0
5 31	13 59.52	-19 4.2	4.073	4.931	6.9	20.7	5 31	13 55.40	-4 17.1	1.780	2.624	14.9	21.2
373030	2011 <i>EM</i> ₈		4 26.4 136°10	0°3/26.2	17		430230	2013 <i>VL</i> ₁₉		4 26.4 234°47	2°2/24.5	18	
3 22	14 42.54	-14 33.9	2.017	2.844	13.3	22.1	3 22	14 41.68	-8 55.7	2.264	3.097	11.9	21.7
4 1	14 37.14	-14 13.3	1.944	2.853	10.1	21.9	4 1	14 36.48	-8 19.8	2.168	3.082	8.9	21.5
4 11	14 29.74	-13 43.6	1.894	2.863	6.3	21.7	4 11	14 29.37	-7 38.5	2.097	3.067	5.6	21.3
4 21	14 21.01	-13 7.4	1.871	2.872	2.2	21.4	4 21	14 20.94	-6 55.2	2.053	3.051	2.6	21.1
5 1	14 11.86	-12 28.6	1.876	2.880	2.1	21.4	5 1	14 11.93	-6 14.0	2.038	3.034	3.4	21.1
5 11	14 3.26	-11 52.0	1.910	2.888	6.1	21.7	5 11	14 3.24	-5 39.6	2.052	3.017	6.8	21.3
5 21	13 56.02	-11 21.6	1.970	2.896	9.8	21.9	5 21	13 55.64	-5 15.5	2.092	2.999	10.3	21.4
5 31	13 50.74	-11 1.1	2.053	2.903	13.0	22.1	5 31	13 49.77	-5 4.1	2.156	2.981	13.4	21.6
465080	2006 <i>TT</i> ₇₉		4 26.4 162°05	3°0/28.6	17		352048	2006 <i>VR</i> ₁₄₂		4 26.4 157°60	0°7/25.5	18	
3 22	14 42.44	-23 5.5	1.757	2.567	15.7	21.9	3 22	14 37.46	-13 7.4	3.115	3.934	9.3	22.6
4 1	14 37.59	-23 3.4	1.676	2.569	12.4	21.7	4 1	14 32.70	-12 30.9	3.034	3.942	6.9	22.4
4 11	14 30.28	-22 44.4	1.616	2.571	8.6	21.5	4 11	14 26.69	-11 48.6	2.980	3.949	4.3	22.2
4 21	14 21.26	-22 8.7	1.581	2.573	4.6	21.2	4 21	14 19.90	-11 2.8	2.955	3.956	1.5	22.0
5 1	14 11.61	-21 19.4	1.573	2.574	3.2	21.2	5 1	14 12.86	-10 16.6	2.960	3.962	1.8	22.1
5 11	14 2.54	-20 22.1	1.591	2.575	6.4	21.4	5 11	14 6.14	-9 33.3	2.995	3.968	4.5	22.3
5 21	13 55.06	-19 24.0	1.635	2.576	10.4	21.6	5 21	14 0.25	-8 55.8	3.058	3.973	7.1	22.4
5 31	13 49.91	-18 31.7	1.702	2.577	14.1	21.8	5 31	13 55.57	-8 26.4	3.147	3.978	9.4	22.6
169424	2001 <i>YB</i> ₂₅		4 26.4 87°85	0°3/26.1	18		369035	2008 <i>AR</i> ₁₀₇		4 26.4 353°23	1°1/25.7	17	
3 22	14 39.11	-14 14.5	2.300	3.127	11.9	20.2	3 22	14 37.65	-13 39.8	1.245	2.109	17.6	20.9
4 1	14 34.33	-13 53.8	2.230	3.140	8.9	20.0	4 1	14 34.64	-13 12.0	1.174	2.104	13.3	20.6
4 11	14 27.87	-13 25.5	2.184	3.153	5.6	19.8	4 11	14 28.75	-12 31.0	1.124	2.101	8.4	20.3
4 21	14 20.33	-12 52.0	2.165	3.167	1.9	19.6	4 21	14 20.80	-11 41.2	1.096	2.098	2.9	20.0
5 1	14 12.47	-12 16.8	2.176	3.180	1.8	19.6	5 1	14 12.06	-10 49.2	1.092	2.096	3.2	20.0
5 11	14 5.09	-11 43.9	2.214	3.192	5.4	19.9	5 11	14 4.00	-10 3.1	1.112	2.095	8.7	20.3
5 21	13 58.86	-11 16.6	2.280	3.205	8.7	20.1	5 21	13 57.83	-9 29.9	1.153	2.095	13.8	20.6
5 31	13 54.27	-10 57.9	2.369	3.218	11.5	20.3	5 31	13 54.39	-9 14.0	1.214	2.095	18.1	20.9
63155	2000 <i>XZ</i> ₃₉		4 26.4 197°92	5°5/ 2.2	18		105857	2000 <i>SZ</i> ₁₆₇		4 26.4 113°39	1°7/28.1	18	
3 22	14 42.38	-34 33.7	2.997	3.718	11.8	19.9	3 22	14 39.10	-21 1.5	2.579	3.380	11.5	19.7
4 1	14 36.85	-35 5.0	2.898	3.715	10.0	19.7	4 1	14 34.23	-20 51.5	2.502	3.392	8.9	19.5
4 11	14 29.54	-35 21.4	2.820	3.712	8.1	19.6	4 11	14 27.78	-20 30.6	2.448	3.404	6.0	19.4
4 21	14 20.97	-35 21.3	2.768	3.708	6.4	19.4	4 21	14 20.31	-19 59.9	2.422	3.416	2.9	19.2
5 1	14 11.88	-35 4.5	2.743	3.704	5.5	19.4	5 1	14 12.51	-19 22.1	2.424	3.427	1.9	19.1
5 11	14 3.07	-34 33.1	2.747	3.699	6.0	19.4	5 11	14 5.14	-18 40.7	2.456	3.438	4.6	19.3
5 21	13 55.29	-33 50.7	2.777	3.694	7.7	19.5	5 21	13 58.83	-17 59.9	2.515	3.449	7.6	19.5
5 31	13 49.13	-33 2.2	2.833	3.689	9.7	19.6	5 31	13 54.06	-17 23.4	2.600	3.460	10.3	19.7
313120	2000 <i>YF</i> ₁₂₃		4 26.4 85°61	1°6/25.3	18		45001	1999 <i>VZ</i> ₁₈₆		4 26.4 311°49	4°1/24.2	18	
3 22	14 44.47	-11 59.0	1.531	2.375	16.0	21.3	3 22	14 40.80	-6 27.7	1.297	2.164	16.9	18.2
4 1	14 38.93	-11 25.0	1.477	2.397	11.9	21.1	4 1	14 37.30	-6 1.2	1.203	2.134	13.0	17.9
4 11	14 30.95	-10 42.2	1.445	2.418	7.3	20.9	4 11	14 30.70	-5 29.5	1.129	2.105	8.5	17.6
4 21	14 21.44	-9 55.2	1.438	2.440	2.7	20.6	4 21	14 21.62	-4 58.2	1.078	2.076	4.5	17.2
5 1	14 11.58	-9 9.7	1.459	2.460	3.3	20.7	5 1	14 11.25	-4 34.2	1.051	2.047	5.8	17.2
5 11	14 2.59	-8 31.9	1.505	2.481	7.7	21.0	5 11	14 1.13	-4 24.4	1.047	2.019	10.8	17.4
5 21	13 55.41	-8 6.2	1.577	2.501	11.9	21.3	5 21	13 52.71	-4 33.4	1.065	1.992	16.0	17.6
5 31	13 50.66	-7 55.2	1.669	2.521	15.4	21.6	5 31	13 47.14	-5 3.6	1.101	1.966	20.7	17.8
295217	2008 <i>FZ</i> ₁₃₂		4 26.4 301°50	0°7/25.2	18		371037	2005 <i>UM</i> ₁₅₂		4 26.4 158°35	1°3/25.5	17	
3 22	14 31.02	-13 35.0	4.190	5.010	7.1	20.1	3 22	14 45.67	-9 59.2	2.209	3.033	12.4	21.4
4 1	14 27.68	-12 41.6	4.095	5.004	5.3	20.0	4 1	14 39.36	-9 57.5	2.130	3.040	9.3	21.2
4 11	14 23.49	-11 42.8	4.029	4.998	3.2	19.8	4 11	14 31.09	-9 51.7	2.077	3.046	5.8	21.0
4 21	14 18.74	-10 41.0	3.992	4.993	1.2	19.7	4 21	14 21.52	-9 43.9	2.051	3.051	2.2	20.7
5 1	14 13.81	-9 38.8	3.985	4.987	1.5	19.7	5 1	14 11.50	-9 36.8	2.055	3.056	2.5	20.8
5 11	14 9.07	-8 38.9	4.010	4.981	3.6	19.8	5 11	14 1.95	-9 33.2	2.088	3.060	6.2	21.0
5 21	14 4.87	-7 44.0	4.063	4.975	5.6	20.0	5 21	13 53.69	-9 35.6	2.148	3.064	9.6	21.2
5 31	14 1.48	-6 56.2	4.143	4.969	7.4	20.1	5 31	13 47.29	-9 46.1	2.232	3.068	12.6	21.4
441798	2009 <i>FV</i> ₂₇		4 26.4 356°98	1°8/25.1	17		373548	2001 <i>UL</i> ₁₂₀		4 26.4 181°88	1°5/25.2	17	
3 22	14 38.04	-10 13.6	1.799	2.648	13.7	20.6	3 22	14 42.34	-10 51.9	2.232	3.061	12.1	22.3
4 1	14 34.06	-9 53.0	1.723	2.646	10.3	20.4	4 1	14 36.87	-10 24.5	2.150	3.062	9.1	22.1
4 11	14 27.97	-9 26.3	1.670	2.644	6.4	20.1	4 11	14 29.55	-9 51.1	2.092	3.062	5.7	21.9
4 21	14 20.43	-8 57.0	1.642	2.643	2.6	19.9	4 21	14 20.97	-9 14.6	2.062	3.062	2.2	21.7
5 1	14 12.37	-8 29.6	1.641	2.642	3.2	19.9	5 1	14 11.95	-8 38.9	2.061	3.061	2.7	21.7
5 11	14 4.80	-8 8.5	1.667	2.642	7.2	20.1	5 11	14 3.37	-8 8.2	2.089	3.060	6.3	21.9
5 21	13 58.57	-7 57.4	1.717	2.643	11.0	20.4	5 21	13 55.97	-7 45.8	2.143	3.058	9.7	22.1
5 31	13 54.34	-7 58.8	1.789	2.644	14.4	20.6	5 31	13 50.34	-7 34.4	2.222	3.055	12.7	22.3
267424	2002 <i>CY</i> ₅₀		4 26.4 75°56	8°5/ 3.1	17		237979	2002 <i>RP</i> ₂₅₀		4 26.4 253°57	4°2/29.4	18	
3 22													

EPHEMERIDES

4 26.4

4 26.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
221090	2005 SZ ₇₉		4 26.4 103°22	0°8/25.8	17		297139	2010 TK ₉₀		4 26.4 148°25	1°1/25.5	16	
3 22	14 40.81	-13 48.5	1.714	2.554	14.7	20.7	3 22	14 43.09	-12 46.5	1.976	2.806	13.4	22.4
4 1	14 36.26	-13 21.4	1.638	2.555	11.1	20.5	4 1	14 37.59	-12 12.7	1.903	2.815	10.1	22.2
4 11	14 29.40	-12 44.1	1.584	2.556	6.9	20.3	4 11	14 30.06	-11 30.4	1.853	2.824	6.2	22.0
4 21	14 20.97	-11 59.9	1.556	2.557	2.4	20.0	4 21	14 21.18	-10 43.1	1.831	2.832	2.2	21.7
5 1	14 11.97	-11 13.7	1.555	2.558	2.6	20.0	5 1	14 11.88	-9 55.5	1.837	2.840	2.6	21.8
5 11	14 3.54	-10 31.3	1.580	2.559	7.1	20.3	5 11	14 3.15	-9 12.7	1.872	2.846	6.6	22.0
5 21	13 56.61	-9 58.0	1.631	2.560	11.2	20.5	5 21	13 55.81	-8 39.1	1.933	2.853	10.3	22.3
5 31	13 51.87	-9 37.4	1.703	2.561	14.9	20.7	5 31	13 50.46	-8 17.6	2.016	2.858	13.5	22.5
157641	2005 XX ₈₁		4 26.4 14°55	0°6/26.8	17 R		345753	2007 EZ ₅₅		4 26.4 304°09	1°2/28.1	18	
3 22	14 38.35	-17 3.8	1.446	2.293	16.6	20.3	3 22	14 33.77	-19 47.1	4.073	4.869	7.7	20.7
4 1	14 34.78	-16 46.6	1.377	2.296	12.6	20.0	4 1	14 29.85	-19 50.9	3.970	4.858	6.0	20.6
4 11	14 28.64	-16 15.0	1.329	2.300	8.1	19.8	4 11	14 24.92	-19 48.6	3.892	4.847	4.0	20.4
4 21	14 20.72	-15 31.8	1.304	2.304	3.1	19.5	4 21	14 19.32	-19 40.7	3.842	4.836	2.0	20.3
5 1	14 12.19	-14 42.1	1.304	2.310	2.3	19.5	5 1	14 13.43	-19 28.5	3.823	4.825	1.4	20.2
5 11	14 4.34	-13 52.9	1.330	2.316	7.2	19.8	5 11	14 7.71	-19 13.6	3.833	4.814	3.2	20.3
5 21	13 58.20	-13 10.9	1.380	2.322	11.8	20.0	5 21	14 2.54	-18 58.1	3.872	4.803	5.3	20.5
5 31	13 54.51	-12 41.3	1.450	2.329	15.8	20.3	5 31	13 58.28	-18 43.8	3.937	4.793	7.2	20.6
505614	2014 EA ₄₅		4 26.4 117°84	1°8/24.9	17		425820	2011 DL ₄₁		4 26.4 50°36	1°4/25.4	16	
3 22	14 40.31	-8 34.0	2.381	3.215	11.3	21.7	3 22	14 39.93	-12 44.2	1.566	2.415	15.4	21.9
4 1	14 35.19	-8 18.2	2.307	3.222	8.5	21.5	4 1	14 35.61	-12 7.8	1.506	2.428	11.5	21.7
4 11	14 28.42	-7 59.2	2.257	3.228	5.3	21.3	4 11	14 28.97	-11 21.6	1.467	2.442	7.1	21.5
4 21	14 20.56	-7 39.5	2.236	3.235	2.3	21.2	4 21	14 20.81	-10 30.3	1.454	2.455	2.6	21.2
5 1	14 12.35	-7 22.4	2.243	3.241	2.9	21.2	5 1	14 12.22	-9 39.5	1.467	2.469	3.1	21.3
5 11	14 4.56	-7 10.8	2.278	3.247	6.0	21.4	5 11	14 4.36	-8 55.8	1.506	2.484	7.5	21.6
5 21	13 57.87	-7 7.0	2.341	3.254	9.1	21.6	5 21	13 58.13	-8 24.0	1.569	2.498	11.6	21.9
5 31	13 52.78	-7 12.8	2.427	3.259	11.8	21.8	5 31	13 54.16	-8 7.1	1.654	2.513	15.2	22.1
238738	2005 GY ₁₂₅		4 26.4 256°76	1°3/25.3	17		259249	2003 BD ₈₅		4 26.4 132°84	2°1/24.6	18	
3 22	14 38.87	-11 59.3	2.037	2.876	12.8	20.9	3 22	14 42.30	-9 55.1	2.148	2.981	12.4	21.7
4 1	14 34.46	-11 26.5	1.957	2.874	9.6	20.7	4 1	14 36.76	-9 10.3	2.081	2.996	9.3	21.5
4 11	14 28.13	-10 46.0	1.900	2.872	6.0	20.5	4 11	14 29.42	-8 19.7	2.039	3.010	5.7	21.3
4 21	14 20.50	-10 1.2	1.869	2.870	2.2	20.2	4 21	14 20.92	-7 27.4	2.025	3.024	2.5	21.1
5 1	14 12.39	-9 16.6	1.867	2.869	2.7	20.2	5 1	14 12.12	-6 38.1	2.040	3.038	3.3	21.2
5 11	14 4.73	-8 37.1	1.892	2.867	6.5	20.5	5 11	14 3.88	-5 56.5	2.084	3.050	6.7	21.4
5 21	13 58.29	-8 6.7	1.943	2.865	10.2	20.7	5 21	13 56.91	-5 26.1	2.153	3.062	10.0	21.6
5 31	13 53.68	-7 48.6	2.017	2.863	13.3	20.9	5 31	13 51.75	-5 8.9	2.246	3.073	12.8	21.9
366596	2002 VL ₇₃		4 26.4 214°43	1°5/25.1	17		286642	2002 EQ ₄₈		4 26.4 92°58	0°5/26.1	18	
3 22	14 41.52	-12 12.2	2.108	2.939	12.7	21.6	3 22	14 43.95	-15 23.5	1.511	2.350	16.4	21.3
4 1	14 36.45	-11 27.2	2.018	2.932	9.5	21.4	4 1	14 38.68	-14 47.7	1.453	2.369	12.3	21.1
4 11	14 29.39	-10 33.3	1.952	2.923	5.9	21.2	4 11	14 30.89	-13 59.2	1.416	2.387	7.7	20.9
4 21	14 20.96	-9 34.2	1.914	2.914	2.3	20.9	4 21	14 21.49	-13 1.9	1.404	2.405	2.7	20.6
5 1	14 12.00	-8 34.8	1.904	2.905	2.9	20.9	5 1	14 11.68	-12 2.2	1.419	2.423	2.5	20.7
5 11	14 3.43	-7 40.6	1.923	2.894	6.7	21.1	5 11	14 2.72	-11 7.0	1.460	2.440	7.4	21.0
5 21	13 56.09	-6 56.5	1.968	2.883	10.4	21.3	5 21	13 55.60	-10 22.6	1.526	2.457	11.7	21.3
5 31	13 50.59	-6 25.8	2.036	2.871	13.7	21.5	5 31	13 50.95	-9 52.9	1.614	2.474	15.4	21.6
490323	2009 BM ₁₁₉		4 26.4 165°98	0°4/26.9	17		330012	2005 UX ₄₆		4 26.4 297°95	1°7/25.2	17	
3 22	14 40.06	-17 9.8	2.892	3.699	10.3	23.0	3 22	14 39.67	-11 54.8	1.600	2.450	15.1	21.2
4 1	14 34.78	-16 48.3	2.807	3.705	7.8	22.8	4 1	14 35.83	-11 22.8	1.504	2.427	11.5	20.9
4 11	14 28.08	-16 18.5	2.747	3.710	5.0	22.7	4 11	14 29.43	-10 40.4	1.430	2.405	7.2	20.6
4 21	14 20.44	-15 42.2	2.716	3.715	1.9	22.5	4 21	14 21.10	-9 51.3	1.381	2.382	2.8	20.3
5 1	14 12.48	-15 2.0	2.714	3.719	1.4	22.4	5 1	14 11.87	-9 1.0	1.357	2.359	3.4	20.3
5 11	14 4.89	-14 21.3	2.743	3.723	4.4	22.6	5 11	14 2.97	-8 16.5	1.360	2.337	8.2	20.5
5 21	13 58.22	-13 43.5	2.801	3.725	7.3	22.8	5 21	13 55.52	-7 43.5	1.386	2.315	12.9	20.7
5 31	13 52.93	-13 11.7	2.883	3.728	9.8	23.0	5 31	13 50.41	-7 26.6	1.433	2.293	17.1	20.9
341023	2007 GX ₆		4 26.4 276°56	1°2/28.4	18		368719	Asparuh		4 26.4 175°70	1°2/25.4	17	
3 22	14 32.95	-20 49.2	4.465	5.256	7.2	21.0	3 22	14 42.60	-11 22.8	2.473	3.296	11.3	22.9
4 1	14 29.14	-20 50.5	4.367	5.251	5.6	20.9	4 1	14 36.90	-10 58.6	2.390	3.299	8.5	22.7
4 11	14 24.43	-20 45.7	4.294	5.246	3.8	20.7	4 11	14 29.50	-10 28.6	2.333	3.302	5.3	22.5
4 21	14 19.12	-20 35.5	4.249	5.241	2.0	20.6	4 21	14 20.98	-9 55.5	2.303	3.303	2.0	22.2
5 1	14 13.59	-20 20.9	4.235	5.236	1.4	20.5	5 1	14 12.06	-9 22.5	2.303	3.304	2.4	22.3
5 11	14 8.22	-20 3.6	4.250	5.231	2.9	20.6	5 11	14 3.55	-8 53.4	2.333	3.305	5.7	22.5
5 21	14 3.36	-19 45.4	4.294	5.226	4.8	20.8	5 21	13 56.12	-8 31.2	2.390	3.304	8.9	22.7
5 31	13 59.34	-19 28.2	4.365	5.221	6.5	20.9	5 31	13 50.32	-8 18.4	2.472	3.303	11.7	22.9
132195	2002 EQ ₄₂		4 26.4 328°25	2°0/25.1	17		6698	Malhotra		4 26.4 157°91	0°8/27.1	18	
3 22	14 37.09	-12 51.8	1.224	2.091	17.6	19.7	3 22	14 43.84	-17 45.1	1.993	2.809	13.9	18.7
4 1	14 34.36	-12 5.8	1.146	2.079	13.4	19.4	4 1	14 38.26	-17 31.1	1.914	2.816	10.6	18.5
4 11	14 28.69	-11 5.0	1.089	2.067	8.4	19.0	4 11	14 30.54	-17 5.6	1.858	2.822	6.8	18.3
4 21	14 20.85	-9 54.9	1.053	2.055	3.2	18.7	4 21	14 21.38	-16 30.1	1.829	2.828	2.8	18.1
5 1	14 12.09	-8 43.7	1.042	2.045	4.0	18.7	5 1	14 11.73	-15 48.3	1.828	2.833	1.9	18.0
5 11	14 3.91	-7 41.2	1.054	2.035	9.5	19.0	5 11	14 2.62	-15 5.0	1.855	2.837	5.9	18.3
5 21	13 57.61	-6 55.5	1.088	2.026	14.8	19.2	5 21	13 54.92	-14 25.4	1.909	2.841	9.8	18.5
5 31	13 54.08	-6 31.5	1.141	2.018	19.3	19.5	5 31	13 49.27	-13 53.9	1.987	2.844	13.1	18.7
442009	2010 OB ₄₂		4 26.4 319°02	8°6/3.9	18		483745	2005 UA ₅₇		4 26.4 281°15	2°9/26.7	18	
3 22	14 3												

EPHEMERIDES

4 26.4

4 26.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
207563	Toscana 4 26.4 289°22 0°9/25.6 17						140406	2001 TV ₇₃ 4 26.4 203°84 0°3/26.1 17					
3 22	14 38.12	-13 24.2	2.030	2.868	12.9	20.5	3 22	14 38.74	-14 25.4	2.839	3.657	10.1	20.8
4 1	14 33.96	-12 49.6	1.945	2.861	9.7	20.3	4 1	14 33.91	-14 0.8	2.746	3.652	7.7	20.7
4 11	14 27.87	-12 5.9	1.883	2.855	6.0	20.0	4 11	14 27.61	-13 29.2	2.679	3.646	4.8	20.5
4 21	14 20.44	-11 16.2	1.848	2.849	2.1	19.8	4 21	14 20.34	-12 52.5	2.640	3.640	1.7	20.2
5 1	14 12.51	-10 25.2	1.840	2.843	2.4	19.8	5 1	14 12.71	-12 13.8	2.630	3.634	1.6	20.2
5 11	14 4.99	-9 38.0	1.860	2.837	6.4	20.0	5 11	14 5.36	-11 36.3	2.651	3.627	4.8	20.4
5 21	13 58.67	-8 59.5	1.906	2.831	10.1	20.2	5 21	13 58.90	-11 3.4	2.699	3.620	7.7	20.6
5 31	13 54.17	-8 33.0	1.975	2.825	13.4	20.4	5 31	13 53.80	-10 37.8	2.772	3.612	10.3	20.8
381844	2009 WV ₁₆₃ 4 26.4 230°13 1°1/25.4 18						376437	2012 HR ₂₈ 4 26.4 312°86 6°0/20.9 17					
3 22	14 42.90	-11 34.6	2.481	3.303	11.3	22.8	3 22	14 36.17	-4 59.5	1.515	2.382	14.9	20.5
4 1	14 37.29	-11 10.6	2.379	3.287	8.5	22.6	4 1	14 33.04	-3 5.4	1.440	2.370	11.3	20.3
4 11	14 29.86	-10 40.2	2.301	3.270	5.3	22.3	4 11	14 27.55	-1 3.0	1.388	2.360	7.8	20.0
4 21	14 21.16	-10 5.8	2.252	3.252	2.0	22.1	4 21	14 20.41	+0 57.7	1.362	2.349	6.0	19.9
5 1	14 11.89	-9 30.9	2.233	3.234	2.4	22.1	5 1	14 12.64	+2 45.8	1.361	2.339	7.9	20.0
5 11	14 2.89	-8 59.1	2.243	3.215	5.9	22.3	5 11	14 5.39	+4 11.3	1.386	2.329	11.6	20.2
5 21	13 54.90	-8 34.1	2.281	3.194	9.3	22.4	5 21	13 59.63	+5 8.8	1.432	2.319	15.4	20.4
5 31	13 48.54	-8 18.6	2.343	3.173	12.3	22.6	5 31	13 56.09	+5 36.5	1.497	2.310	18.8	20.6
70409	Srnín 4 26.4 116°37 4°9/22.9 18						512989	2017 UG ₃₅ 4 26.4 132°66 3°2/29.6 17					
3 22	14 42.54	-3 48.6	1.602	2.456	14.9	18.9	3 22	14 40.74	-25 29.2	2.501	3.283	12.4	21.6
4 1	14 37.54	-2 54.7	1.539	2.462	11.3	18.7	4 1	14 35.66	-25 36.2	2.417	3.291	9.9	21.4
4 11	14 30.18	-1 59.1	1.499	2.469	7.5	18.5	4 11	14 28.82	-25 29.8	2.357	3.298	7.1	21.3
4 21	14 21.26	-1 8.4	1.484	2.475	5.0	18.3	4 21	14 20.80	-25 10.0	2.323	3.305	4.4	21.1
5 1	14 11.87	-0 29.1	1.495	2.481	6.2	18.4	5 1	14 12.35	-24 38.6	2.317	3.312	3.3	21.0
5 11	14 3.16	-0 6.4	1.533	2.487	9.7	18.6	5 11	14 4.33	-23 58.9	2.340	3.319	5.1	21.2
5 21	13 56.06	-0 2.8	1.593	2.493	13.4	18.9	5 21	13 57.44	-23 15.4	2.390	3.325	7.9	21.4
5 31	13 51.24	-0 18.5	1.674	2.498	16.6	19.1	5 31	13 52.24	-22 32.9	2.465	3.332	10.5	21.5
148960	2001 XY ₂₂₂ 4 26.4 13°70 5°9/24.2 17						161357	2003 SB ₁₆₂ 4 26.4 237°91 0°1/26.4 18 R					
3 22	14 43.97	-0 1.3	1.178	2.047	18.1	18.5	3 22	14 39.47	-16 3.2	2.146	2.971	12.7	20.5
4 1	14 39.32	-0 7.5	1.123	2.052	13.9	18.3	4 1	14 34.94	-15 34.7	2.055	2.964	9.7	20.3
4 11	14 31.60	-0 20.7	1.088	2.059	9.5	18.1	4 11	14 28.50	-14 55.7	1.988	2.956	6.1	20.0
4 21	14 21.83	-0 45.9	1.075	2.067	6.2	17.9	4 21	14 20.71	-14 8.4	1.947	2.948	2.2	19.7
5 1	14 11.41	-1 26.7	1.086	2.077	7.1	18.0	5 1	14 12.41	-13 16.9	1.935	2.939	1.9	19.7
5 11	14 1.93	-2 24.4	1.121	2.088	11.0	18.2	5 11	14 4.48	-12 26.1	1.951	2.931	5.9	19.9
5 21	13 54.60	-3 37.4	1.178	2.101	15.2	18.5	5 21	13 57.73	-11 41.0	1.993	2.922	9.6	20.2
5 31	13 50.18	-5 3.1	1.254	2.114	19.0	18.8	5 31	13 52.77	-11 5.7	2.059	2.913	12.8	20.3
490351	2009 EX ₈ 4 26.4 102°23 0°3/26.7 17						310494	2000 UC ₃₄ 4 26.4 202°56 0°3/26.7 16					
3 22	14 41.05	-15 43.2	2.293	3.113	12.2	22.3	3 22	14 43.20	-17 10.7	1.866	2.690	14.4	21.6
4 1	14 35.83	-15 36.0	2.221	3.126	9.2	22.1	4 1	14 38.03	-16 39.9	1.779	2.686	11.0	21.4
4 11	14 28.87	-15 20.6	2.173	3.140	5.8	21.9	4 11	14 30.56	-15 55.9	1.715	2.682	7.0	21.1
4 21	14 20.76	-14 58.7	2.152	3.153	2.2	21.7	4 21	14 21.48	-15 1.0	1.676	2.677	2.6	20.8
5 1	14 12.31	-14 33.1	2.160	3.165	1.6	21.7	5 1	14 11.79	-14 0.0	1.666	2.671	2.0	20.8
5 11	14 4.33	-14 7.4	2.197	3.178	5.2	22.0	5 11	14 2.59	-12 59.1	1.684	2.664	6.5	21.1
5 21	13 57.54	-13 45.3	2.261	3.190	8.6	22.2	5 21	13 54.83	-12 4.4	1.728	2.657	10.7	21.3
5 31	13 52.47	-13 29.7	2.349	3.202	11.5	22.4	5 31	13 49.22	-11 21.2	1.794	2.650	14.3	21.5
381164	2007 HN ₅₀ 4 26.4 326°00 3°1/23.9 17						99077	2001 FV ₁₅ 4 26.4 345°21 2°3/24.5 18					
3 22	14 37.93	-9 7.3	1.678	2.533	14.3	21.3	3 22	14 37.88	-10 23.8	1.802	2.651	13.7	19.4
4 1	14 34.15	-8 10.7	1.601	2.527	10.7	21.1	4 1	14 33.96	-9 35.1	1.725	2.649	10.3	19.2
4 11	14 28.14	-7 6.2	1.547	2.522	6.8	20.9	4 11	14 27.96	-8 38.4	1.672	2.647	6.4	18.9
4 21	14 20.59	-5 59.4	1.519	2.517	3.4	20.6	4 21	14 20.53	-7 38.5	1.645	2.645	2.8	18.7
5 1	14 12.47	-4 57.2	1.517	2.512	4.5	20.7	5 1	14 12.61	-6 41.3	1.645	2.643	3.7	18.7
5 11	14 4.87	-4 6.3	1.540	2.508	8.5	20.9	5 11	14 5.18	-5 52.9	1.671	2.642	7.6	19.0
5 21	13 58.68	-3 31.5	1.588	2.504	12.4	21.1	5 21	13 59.09	-5 17.9	1.722	2.641	11.4	19.2
5 31	13 54.60	-3 15.4	1.657	2.500	15.9	21.4	5 31	13 54.98	-4 59.0	1.795	2.640	14.8	19.4
460225	2014 QM ₂₁₆ 4 26.4 179°40 4°6/29.7 16						239868	2000 EM ₇₄ 4 26.4 321°39 2°3/25.4 17					
3 22	14 45.41	-26 27.9	1.705	2.499	16.7	21.7	3 22	14 42.08	-9 38.2	1.178	2.045	18.2	20.1
4 1	14 40.09	-26 43.3	1.621	2.501	13.5	21.5	4 1	14 38.39	-9 32.0	1.100	2.031	13.9	19.7
4 11	14 32.03	-26 39.4	1.558	2.501	9.9	21.3	4 11	14 31.42	-9 19.1	1.041	2.018	8.8	19.4
4 21	14 22.03	-26 14.9	1.519	2.502	6.2	21.1	4 21	14 21.96	-9 3.3	1.005	2.006	3.5	19.1
5 1	14 11.25	-25 31.2	1.506	2.502	4.7	21.0	5 1	14 11.35	-8 49.9	0.991	1.994	4.2	19.1
5 11	14 1.07	-24 33.8	1.520	2.501	7.1	21.1	5 11	14 1.28	-8 45.1	1.002	1.983	9.8	19.3
5 21	13 52.64	-23 30.4	1.560	2.500	10.9	21.3	5 21	13 53.24	-8 53.4	1.033	1.972	15.2	19.6
5 31	13 46.78	-22 29.2	1.622	2.498	14.5	21.6	5 31	13 48.28	-9 17.6	1.083	1.963	19.9	19.8
302447	2002 EH ₇₁ 4 26.4 20°21 1°9/27.5 18						290100	2005 QD ₁₁₃ 4 26.4 232°05 1°5/24.9 17					
3 22	14 39.47	-19 10.2	1.160	2.014	19.3	19.6	3 22	14 37.60	-10 36.6	2.654	3.485	10.4	21.6
4 1	14 36.22	-19 6.4	1.098	2.019	15.0	19.4	4 1	14 33.15	-10 1.1	2.563	3.477	7.8	21.4
4 11	14 29.84	-18 43.7	1.054	2.025	9.8	19.1	4 11	14 27.20	-9 20.1	2.497	3.468	4.8	21.2
4 21	14 21.26	-18 4.2	1.032	2.031	4.3	18.8	4 21	14 20.23	-8 36.5	2.458	3.458	2.0	21.0
5 1	14 11.93	-17 13.2	1.034	2.039	2.8	18.7	5 1	14 12.86	-7 53.7	2.449	3.449	2.6	21.0
5 11	14 3.47	-16 19.1	1.059	2.048	8.0	19.0	5 11	14 5.80	-7 15.7	2.470	3.439	5.6	21.2
5 21	13 57.16	-15 30.6	1.106	2.057	13.2	19.4	5 21	13 59.63	-6 45.6	2.517	3.429	8.6	21.4
5 31	13 53.80	-14 54.7	1.173	2.068	17.6	19.6	5 31	13 54.86	-6 25.8	2.588	3.418	11.2	21.5
457664	2009 DY ₈ 4 26.4 107°32 4°1/29.3 18						17470	Mitsubishi 4 26.4 98°28 0°9/27.3 18 R					
3 22	14 45.79	-25 2.2	1.611	2.415	17.2	21.4	3 22	14 38.57	-18 45.7	2.428	3.241	11.8	18.4
4 1	14 40.28	-25 13.9	1.542	2.429	13.7	21.2	4 1	14 33.93	-18 22.7	2.354	3.254	9.0	18.2
4 11	14 32.05	-25 6.3	1.494	2.443	9.7	20.9	4 11	14 27.67	-17 49.3	2.305	3.267	5.8	18.0
4 21													

EPHEMERIDES

4 26.4

4 26.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
103123	1999 <i>XG</i> ₁₈₉		4 26.4 147°25	1.9°/28.2	18		289430	2005 <i>EJ</i> ₂₂		4 26.4 151°74	4°1/23.2	18	
3 22	14 42.53	-21 6.6	2.517	3.313	11.9	20.3	3 22	14 41.80	-6 31.0	1.709	2.559	14.3	21.0
4 1	14 36.91	-21 6.0	2.436	3.323	9.3	20.2	4 1	14 36.90	-5 23.4	1.642	2.564	10.8	20.8
4 11	14 29.57	-20 54.5	2.379	3.333	6.3	20.0	4 11	14 29.79	-4 10.6	1.598	2.569	7.0	20.6
4 21	14 21.07	-20 32.7	2.349	3.342	3.2	19.8	4 21	14 21.20	-2 59.2	1.580	2.574	4.2	20.4
5 1	14 12.19	-20 2.8	2.348	3.350	2.1	19.7	5 1	14 12.14	-1 56.3	1.589	2.578	5.5	20.5
5 11	14 3.74	-19 28.1	2.377	3.358	4.8	19.9	5 11	14 3.71	-1 8.1	1.625	2.582	9.1	20.7
5 21	13 56.42	-18 52.9	2.433	3.365	7.9	20.1	5 21	13 56.78	-0 38.6	1.685	2.585	12.7	20.9
5 31	13 50.77	-18 21.0	2.515	3.372	10.7	20.3	5 31	13 52.00	-0 29.1	1.766	2.588	15.9	21.2
180190	2003 <i>QH</i> ₇₉		4 26.4 217°37	5°6/30.7	18		57999	2002 <i>TN</i> ₅₂		4 26.5 107°76	0°1/26.4	18	
3 22	14 43.91	-29 28.5	1.743	2.527	16.9	20.3	3 22	14 40.55	-14 57.6	2.458	3.277	11.5	19.7
4 1	14 39.04	-29 41.8	1.654	2.522	13.9	20.1	4 1	14 35.32	-14 37.2	2.390	3.296	8.6	19.6
4 11	14 31.44	-29 33.5	1.584	2.517	10.5	19.9	4 11	14 28.50	-14 9.3	2.346	3.314	5.4	19.4
4 21	14 21.87	-29 1.6	1.538	2.512	7.2	19.7	4 21	14 20.69	-13 35.9	2.331	3.331	1.9	19.2
5 1	14 11.49	-28 7.3	1.517	2.507	5.6	19.6	5 1	14 12.59	-13 0.3	2.344	3.349	1.6	19.2
5 11	14 1.64	-26 56.0	1.523	2.501	7.4	19.6	5 11	14 4.98	-12 26.2	2.387	3.366	5.1	19.4
5 21	13 53.50	-25 36.0	1.554	2.495	10.9	19.8	5 21	13 58.47	-11 57.1	2.457	3.382	8.2	19.7
5 31	13 47.91	-24 16.6	1.608	2.488	14.4	20.0	5 31	13 53.56	-11 35.7	2.552	3.398	10.9	19.9
434733	2006 <i>EP</i> ₇₃		4 26.4 242°31	4°2/29.4	17		274344	2008 <i>RM</i> ₃₅		4 26.5 120°28	0°8/25.3	17	
3 22	14 44.11	-25 7.5	2.079	2.868	14.3	21.6	3 22	14 34.39	-11 55.2	3.828	4.648	7.7	21.7
4 1	14 38.77	-25 40.1	1.985	2.861	11.6	21.4	4 1	14 30.24	-11 24.5	3.755	4.664	5.7	21.6
4 11	14 31.10	-25 58.9	1.912	2.854	8.4	21.2	4 11	14 25.15	-10 50.0	3.710	4.679	3.5	21.4
4 21	14 21.73	-26 2.4	1.865	2.846	5.4	21.0	4 21	14 19.47	-10 13.6	3.693	4.694	1.3	21.3
5 1	14 11.59	-25 50.8	1.845	2.839	4.2	20.9	5 1	14 13.61	-9 37.5	3.707	4.708	1.6	21.3
5 11	14 1.81	-25 27.1	1.853	2.831	6.3	21.0	5 11	14 8.03	-9 4.1	3.751	4.722	3.8	21.5
5 21	13 53.36	-24 56.2	1.888	2.823	9.6	21.2	5 21	14 3.08	-8 35.6	3.823	4.736	5.9	21.7
5 31	13 47.04	-24 23.8	1.946	2.815	12.8	21.3	5 31	13 59.08	-8 13.5	3.922	4.750	7.8	21.8
212315	2005 <i>QZ</i> ₅₅		4 26.4 258°89	4°2/21.6	17		303272	2004 <i>RF</i> ₁₇₀		4 26.5 155°26	2°9/28.9	18	
3 22	14 36.51	-2 47.9	2.466	3.310	10.6	20.1	3 22	14 45.97	-24 10.1	1.980	2.772	14.8	22.1
4 1	14 32.43	-1 37.8	2.379	3.297	8.1	19.9	4 1	14 39.98	-24 0.9	1.899	2.782	11.7	21.9
4 11	14 26.80	-0 25.5	2.319	3.284	5.6	19.8	4 11	14 31.71	-23 35.0	1.842	2.791	8.1	21.7
4 21	14 20.11	+ 0 44.0	2.286	3.270	4.3	19.6	4 21	14 21.90	-22 52.9	1.810	2.799	4.5	21.5
5 1	14 13.00	+ 1 45.2	2.281	3.256	5.4	19.7	5 1	14 11.58	-21 57.4	1.806	2.806	3.1	21.4
5 11	14 6.19	+ 2 33.6	2.305	3.242	7.9	19.8	5 11	14 1.88	-20 54.3	1.831	2.813	6.0	21.6
5 21	14 0.32	+ 3 6.2	2.353	3.228	10.6	20.0	5 21	13 53.72	-19 50.0	1.882	2.818	9.6	21.9
5 31	13 55.89	+ 3 21.7	2.424	3.214	13.1	20.1	5 31	13 47.76	-18 51.2	1.958	2.823	12.9	22.1
505299	2012 <i>WM</i> ₂₆		4 26.4 135°37	1°3/25.3	17		419439	2010 <i>CP</i> ₇₄		4 26.5 67°09	3°1/23.8	17	
3 22	14 40.76	-10 7.4	2.380	3.211	11.4	21.8	3 22	14 39.04	-7 31.7	1.888	2.737	13.2	20.9
4 1	14 35.60	-9 54.9	2.303	3.216	8.6	21.6	4 1	14 34.67	-6 42.6	1.819	2.742	9.9	20.7
4 11	14 28.75	-9 38.0	2.250	3.221	5.3	21.4	4 11	14 28.32	-5 48.9	1.774	2.747	6.3	20.5
4 21	14 20.79	-9 19.2	2.226	3.226	2.1	21.2	4 21	14 20.67	-4 55.4	1.755	2.752	3.4	20.3
5 1	14 12.45	-9 1.5	2.230	3.231	2.5	21.3	5 1	14 12.61	-4 7.9	1.764	2.757	4.4	20.4
5 11	14 4.52	-8 48.1	2.263	3.235	5.8	21.5	5 11	14 5.08	-3 31.3	1.799	2.762	7.8	20.6
5 21	13 57.69	-8 41.3	2.322	3.240	8.9	21.7	5 21	13 58.86	-3 9.0	1.859	2.767	11.3	20.9
5 31	13 52.47	-8 43.3	2.406	3.244	11.7	21.9	5 31	13 54.55	-3 2.9	1.941	2.773	14.3	21.1
31039	1996 <i>JV</i>		4 26.4 23°47	4°0/24.3	18		375961	2009 <i>WC</i> ₁₉₈		4 26.5 102°51	3°8/29.9	17	
3 22	14 41.94	-7 3.8	1.203	2.071	17.8	17.0	3 22	14 44.05	-26 52.8	2.239	3.016	13.8	21.5
4 1	14 37.84	-6 30.1	1.143	2.075	13.4	16.8	4 1	14 38.23	-26 57.4	2.171	3.039	11.0	21.4
4 11	14 30.76	-5 51.7	1.103	2.079	8.6	16.5	4 11	14 30.45	-26 46.0	2.125	3.062	8.0	21.2
4 21	14 21.61	-5 14.6	1.086	2.084	4.4	16.3	4 21	14 21.41	-26 18.7	2.105	3.084	5.1	21.1
5 1	14 11.78	-4 46.0	1.093	2.090	5.6	16.3	5 1	14 12.03	-25 37.6	2.113	3.106	3.8	21.0
5 11	14 2.80	-4 32.1	1.123	2.096	10.2	16.6	5 11	14 3.27	-24 47.2	2.149	3.127	5.6	21.2
5 21	13 55.85	-4 36.4	1.175	2.102	14.9	16.9	5 21	13 55.90	-23 53.0	2.213	3.148	8.4	21.4
5 31	13 51.75	-4 59.8	1.246	2.109	18.9	17.2	5 31	13 50.49	-23 0.7	2.301	3.168	11.2	21.6
68922	2002 <i>LW</i> ₁₂		4 26.4 269°38	3°5/30.5	18		171774	2001 <i>BW</i> ₁₈		4 26.5 215°40	1°2/25.5	16	
3 22	14 36.93	-28 44.6	2.638	3.409	12.1	18.5	3 22	14 44.42	-12 6.1	2.087	2.913	13.0	21.0
4 1	14 32.80	-28 23.0	2.541	3.404	9.8	18.3	4 1	14 38.75	-11 38.5	1.993	2.904	9.8	20.8
4 11	14 27.05	-27 45.1	2.467	3.400	7.2	18.1	4 11	14 30.96	-11 3.0	1.924	2.894	6.1	20.5
4 21	14 20.19	-26 51.5	2.419	3.396	4.7	18.0	4 21	14 21.67	-10 22.5	1.882	2.883	2.3	20.2
5 1	14 12.95	-25 44.5	2.399	3.392	3.5	17.9	5 1	14 11.75	-9 41.1	1.869	2.871	2.6	20.2
5 11	14 6.08	-24 28.5	2.408	3.387	4.9	18.0	5 11	14 2.22	-9 3.6	1.885	2.858	6.7	20.5
5 21	14 0.24	-23 9.1	2.444	3.383	7.6	18.1	5 21	13 53.94	-8 34.2	1.927	2.844	10.5	20.7
5 31	13 55.96	-21 51.8	2.507	3.379	10.2	18.3	5 31	13 47.61	-8 16.3	1.993	2.830	13.8	20.8
317185	2001 <i>XQ</i> ₂₅₈		4 26.4 152°28	5°5/21.5	18		412202	2013 <i>GE</i> ₁₀₅		4 26.5 306°34	4°8/23.6	17	
3 22	14 41.31	+ 4 14.9	2.485	3.318	10.9	20.6	3 22	14 42.04	-4 59.4	1.346	2.209	16.6	20.6
4 1	14 35.86	+ 4 49.0	2.419	3.322	8.6	20.4	4 1	14 37.87	-4 19.2	1.270	2.199	12.7	20.3
4 11	14 28.84	+ 5 18.0	2.377	3.326	6.5	20.3	4 11	14 30.83	-3 35.7	1.215	2.189	8.4	20.0
4 21	14 20.81	+ 5 37.9	2.362	3.330	5.5	20.2	4 21	14 21.71	-2 55.3	1.184	2.179	5.0	19.8
5 1	14 12.46	+ 5 44.9	2.375	3.333	6.3	20.3	5 1	14 11.72	-2 25.2	1.177	2.169	6.3	19.8
5 11	14 4.55	+ 5 37.1	2.416	3.337	8.4	20.4	5 11	14 2.31	-2 11.7	1.195	2.160	10.6	20.0
5 21	13 57.70	+ 5 14.0	2.482	3.340	10.7	20.6	5 21	13 54.70	-2 18.1	1.235	2.151	15.1	20.3
5 31	13 52.40	+ 4 36.3	2.570	3.342	12.9	20.7	5 31	13 49.77	-2 45.5	1.293	2.143	19.1	20.5
292574	2006 <i>TC</i> ₈₃		4 26.4 68°79	2°5/28.3	18		176539	2002 <i>AU</i> ₃₀		4 26.5 247°04	4°2/30.7	18	
3													

EPHEMERIDES

4 26.5

4 26.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
214462	2005 <i>SL</i> ₁₃₂		4 26.5 277°99	1.8°/27.8	18		422925	2002 <i>TM</i> ₁₆₅		4 26.5 187°44	3.5°/22.9	16	
3 22	14 42.75	-18 57.3	2.440	3.244	12.0	20.2	3 22	14 41.94	-5 9.7	2.404	3.238	11.2	22.5
4 1	14 37.44	-19 18.1	2.329	3.222	9.4	20.0	4 1	14 36.48	-4 10.7	2.324	3.237	8.5	22.3
4 11	14 30.17	-19 30.6	2.242	3.199	6.3	19.8	4 11	14 29.33	-3 8.8	2.269	3.236	5.6	22.1
4 21	14 21.42	-19 34.4	2.182	3.177	3.1	19.5	4 21	14 21.06	-2 8.4	2.243	3.234	3.6	21.9
5 1	14 11.95	-19 30.7	2.151	3.154	2.2	19.4	5 1	14 12.39	-1 14.5	2.246	3.231	4.6	22.0
5 11	14 2.64	-19 21.7	2.149	3.131	5.3	19.6	5 11	14 4.13	-0 31.5	2.278	3.227	7.3	22.2
5 21	13 54.33	-19 10.6	2.175	3.107	8.7	19.7	5 21	13 56.95	-0 2.5	2.337	3.222	10.3	22.3
5 31	13 47.73	-19 1.3	2.225	3.084	11.8	19.9	5 31	13 51.38	+0 11.2	2.418	3.216	12.9	22.5
391680	2008 <i>AK</i> ₃₂		4 26.5 55°80	3.2°/29.5	17		299277	2005 <i>NN</i> ₁₂₃		4 26.5 233°88	3.5°/29.9	17	
3 22	14 38.91	-25 10.7	2.144	2.940	13.7	20.7	3 22	14 39.55	-26 53.3	2.543	3.320	12.3	20.9
4 1	14 34.56	-25 5.8	2.066	2.948	10.9	20.5	4 1	14 34.91	-26 54.1	2.444	3.312	10.0	20.7
4 11	14 28.26	-24 45.2	2.009	2.956	7.7	20.3	4 11	14 28.47	-26 40.5	2.368	3.305	7.3	20.5
4 21	14 20.67	-24 9.4	1.978	2.964	4.6	20.1	4 21	14 20.78	-26 12.3	2.318	3.297	4.7	20.3
5 1	14 12.65	-23 21.1	1.974	2.972	3.3	20.1	5 1	14 12.59	-25 31.1	2.295	3.289	3.5	20.2
5 11	14 5.12	-22 25.1	1.998	2.980	5.5	20.2	5 11	14 4.73	-24 40.5	2.302	3.280	5.2	20.3
5 21	13 58.87	-21 27.0	2.048	2.989	8.7	20.4	5 21	13 57.94	-23 45.1	2.335	3.272	8.0	20.5
5 31	13 54.49	-20 32.5	2.122	2.997	11.7	20.6	5 31	13 52.80	-22 50.3	2.394	3.263	10.7	20.6
386495	2009 <i>BG</i> ₃₈		4 26.5 131°08	1.5°/25.2	17		443719	2015 <i>LC</i> ₁		4 26.5 119°48	7.0°/18.9	17	
3 22	14 39.36	-11 1.1	2.221	3.056	12.0	21.8	3 22	14 37.93	+6 37.4	2.310	3.151	11.4	20.7
4 1	14 34.68	-10 31.0	2.145	3.060	9.0	21.6	4 1	14 33.46	+7 55.4	2.255	3.157	9.2	20.6
4 11	14 28.25	-9 54.8	2.093	3.065	5.6	21.4	4 11	14 27.42	+9 7.2	2.224	3.164	7.5	20.5
4 21	14 20.67	-9 15.6	2.069	3.069	2.2	21.2	4 21	14 20.36	+10 6.9	2.220	3.170	7.1	20.5
5 1	14 12.69	-8 37.6	2.072	3.073	2.7	21.2	5 1	14 13.00	+10 49.3	2.242	3.176	8.1	20.5
5 11	14 5.15	-8 4.9	2.104	3.077	6.1	21.4	5 11	14 6.11	+11 11.4	2.290	3.182	10.0	20.7
5 21	13 58.76	-7 40.9	2.163	3.081	9.5	21.6	5 21	14 0.29	+11 12.4	2.360	3.188	12.2	20.8
5 31	13 54.05	-7 27.9	2.244	3.084	12.4	21.8	5 31	13 56.03	+10 53.5	2.451	3.194	14.2	21.0
215236	2001 <i>BP</i> ₇₆		4 26.5 123°78	4.3°/23.2	18		255745	2006 <i>RU</i> ₂		4 26.5 230°67	1.1°/25.8	17	
3 22	14 42.04	-5 49.3	1.634	2.486	14.7	20.3	3 22	14 44.90	-11 46.4	1.883	2.714	13.9	20.9
4 1	14 37.17	-4 47.0	1.570	2.493	11.1	20.1	4 1	14 39.38	-11 35.9	1.792	2.705	10.6	20.7
4 11	14 30.00	-3 40.7	1.529	2.501	7.2	19.8	4 11	14 31.50	-11 18.4	1.724	2.694	6.7	20.4
4 21	14 21.32	-2 36.8	1.514	2.508	4.5	19.7	4 21	14 21.94	-10 56.4	1.682	2.683	2.4	20.1
5 1	14 12.17	-1 42.5	1.526	2.515	5.7	19.8	5 1	14 11.64	-10 33.3	1.669	2.672	2.6	20.1
5 11	14 3.70	-1 3.6	1.564	2.521	9.3	20.0	5 11	14 1.73	-10 13.5	1.683	2.660	7.0	20.4
5 21	13 56.81	-0 43.6	1.626	2.528	13.0	20.2	5 21	13 53.21	-10 1.1	1.723	2.647	11.1	20.6
5 31	13 52.13	-0 43.4	1.708	2.534	16.2	20.5	5 31	13 46.84	-9 59.1	1.786	2.634	14.7	20.8
438638	2008 <i>CD</i> ₃₀		4 26.5 131°61	2.5°/23.9	17		20823	Liutingchun		4 26.5 236°92	0.4°/26.1	18	
3 22	14 38.44	-6 59.2	2.549	3.385	10.6	21.9	3 22	14 39.31	-13 31.5	2.653	3.474	10.7	19.8
4 1	14 33.72	-6 20.6	2.478	3.394	7.9	21.8	4 1	14 34.51	-13 16.4	2.556	3.464	8.1	19.6
4 11	14 27.53	-5 39.1	2.432	3.402	5.0	21.6	4 11	14 28.13	-12 54.9	2.485	3.453	5.1	19.4
4 21	14 20.38	-4 58.3	2.414	3.410	2.7	21.5	4 21	14 20.65	-12 28.8	2.441	3.442	1.8	19.1
5 1	14 12.94	-4 22.0	2.425	3.417	3.5	21.5	5 1	14 12.72	-12 0.8	2.427	3.430	1.7	19.1
5 11	14 5.90	-3 53.5	2.465	3.425	6.2	21.7	5 11	14 5.07	-11 34.2	2.442	3.419	5.1	19.3
5 21	13 59.85	-3 35.3	2.531	3.432	9.0	21.9	5 21	13 58.34	-11 12.2	2.484	3.407	8.2	19.5
5 31	13 55.24	-3 28.8	2.621	3.439	11.4	22.1	5 31	13 53.05	-10 57.3	2.551	3.394	11.0	19.7
121066	1999 <i>CW</i> ₁₃₅		4 26.5 235°35	6.8°/1.3	18		185520	2007 <i>VM</i> ₆₅		4 26.5 182°02	0.4°/26.1	18	
3 22	14 46.97	-32 21.3	2.132	2.881	15.2	19.2	3 22	14 39.68	-13 49.8	2.560	3.382	11.0	21.4
4 1	14 41.20	-33 11.6	2.031	2.870	12.9	19.0	4 1	14 34.76	-13 29.4	2.475	3.383	8.3	21.2
4 11	14 32.82	-33 44.7	1.950	2.858	10.3	18.8	4 11	14 28.25	-13 2.0	2.415	3.383	5.2	21.0
4 21	14 22.46	-33 57.0	1.893	2.846	7.9	18.6	4 21	14 20.68	-12 29.9	2.382	3.383	1.8	20.8
5 1	14 11.12	-33 46.9	1.863	2.833	6.8	18.5	5 1	14 12.72	-11 56.0	2.378	3.382	1.8	20.7
5 11	14 0.07	-33 16.6	1.859	2.819	7.8	18.6	5 11	14 5.12	-11 23.8	2.404	3.381	5.1	21.0
5 21	13 50.45	-32 31.2	1.881	2.806	10.3	18.7	5 21	13 58.52	-10 56.8	2.457	3.380	8.3	21.2
5 31	13 43.16	-31 38.1	1.927	2.791	13.1	18.8	5 31	13 53.42	-10 37.7	2.535	3.378	11.0	21.4
272690	2005 <i>XT</i> ₆₇		4 26.5 350°68	2.4°/28.2	17		209544	2004 <i>VN</i> ₅		4 26.5 150°93	1.8°/27.9	18	
3 22	14 38.97	-21 12.8	1.533	2.364	16.6	20.5	3 22	14 46.22	-20 35.9	1.981	2.785	14.4	22.0
4 1	14 35.36	-21 8.3	1.453	2.360	13.0	20.2	4 1	14 40.12	-20 26.2	1.904	2.797	11.2	21.8
4 11	14 29.16	-20 46.6	1.395	2.357	8.8	20.0	4 11	14 31.79	-20 2.6	1.849	2.807	7.4	21.6
4 21	14 21.10	-20 8.5	1.359	2.355	4.4	19.7	4 21	14 21.98	-19 26.4	1.821	2.816	3.5	21.4
5 1	14 12.31	-19 17.7	1.349	2.353	2.8	19.6	5 1	14 11.67	-18 40.5	1.821	2.825	2.3	21.3
5 11	14 4.10	-18 20.9	1.364	2.351	6.9	19.8	5 11	14 1.97	-17 50.3	1.851	2.833	5.9	21.6
5 21	13 57.54	-17 25.5	1.404	2.350	11.3	20.1	5 21	13 53.78	-17 1.5	1.907	2.840	9.7	21.8
5 31	13 53.44	-16 38.4	1.465	2.350	15.3	20.3	5 31	13 47.74	-16 19.5	1.987	2.846	13.0	22.0
287567	2003 <i>FV</i> ₂₃		4 26.5 343°97	4.7°/21.8	17		52464	1995 <i>MC</i> ₂		4 26.5 182°13	0.4°/26.9	18	
3 22	14 35.03	-4 21.8	1.926	2.783	12.6	20.1	3 22	14 38.34	-17 38.1	2.567	3.382	11.2	19.7
4 1	14 31.69	-2 59.3	1.852	2.778	9.5	19.9	4 1	14 33.78	-17 7.5	2.480	3.382	8.5	19.5
4 11	14 26.50	-1 33.0	1.804	2.773	6.5	19.7	4 11	14 27.64	-16 27.0	2.417	3.382	5.4	19.3
4 21	14 20.07	-0 9.5	1.781	2.769	4.7	19.6	4 21	14 20.46	-15 38.6	2.382	3.382	2.1	19.1
5 1	14 13.19	+1 4.1	1.785	2.765	6.1	19.6	5 1	14 12.91	-14 45.8	2.376	3.381	1.5	19.0
5 11	14 6.76	+2 1.5	1.816	2.761	9.1	19.8	5 11	14 5.73	-13 52.8	2.400	3.381	4.9	19.3
5 21	14 1.50	+2 39.2	1.870	2.758	12.3	20.0	5 21	13 59.55	-13 3.9	2.451	3.379	8.0	19.5
5 31	13 58.00	+2 55.7	1.945	2.756	15.1	20.2	5 31	13 54.86	-12 22.6	2.527	3.378	10.8	19.6
75353	1999 <i>XL</i> ₆₉		4 26.5 227°42	0.3°/26.2	18								

EPHEMERIDES

4 26.5

4 26.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
38419	1999 <i>RX</i> ₂₁₉		4 26.5 279°25	1.8°/28.2	18		150924	2001 <i>TP</i> ₆₂		4 26.5 175°44	0°2/26.6	18	
3 22	14 37.41	-21 46.0	2.353	3.160	12.3	19.2	3 22	14 43.21	-15 36.2	2.194	3.012	12.7	20.6
4 1	14 33.33	-21 23.5	2.260	3.154	9.6	19.0	4 1	14 37.70	-15 22.6	2.110	3.015	9.7	20.4
4 11	14 27.48	-20 47.7	2.190	3.147	6.5	18.8	4 11	14 30.23	-14 59.9	2.051	3.017	6.1	20.1
4 21	14 20.43	-19 59.9	2.146	3.141	3.2	18.6	4 21	14 21.45	-14 30.1	2.018	3.018	2.3	19.9
5 1	14 12.93	-19 3.2	2.131	3.135	2.0	18.5	5 1	14 12.17	-13 56.2	2.014	3.019	1.8	19.8
5 11	14 5.79	-18 2.4	2.144	3.128	5.0	18.7	5 11	14 3.35	-13 22.5	2.040	3.019	5.7	20.1
5 21	13 59.72	-17 2.6	2.184	3.122	8.4	18.8	5 21	13 55.76	-12 53.0	2.092	3.019	9.3	20.3
5 31	13 55.30	-16 8.7	2.249	3.116	11.4	19.0	5 31	13 50.01	-12 31.4	2.168	3.018	12.4	20.5
20031	1992 <i>OO</i>		4 26.5 267°86	15°6/ 8.8	18 R		412425	2014 <i>DF</i> ₁₄₂		4 26.5 49°53	3°7/22.6	17	
3 22	14 43.35	+24 49.7	1.686	2.485	16.7	17.5	3 22	14 36.16	- 7 43.4	1.962	2.814	12.6	20.2
4 1	14 38.51	+26 59.8	1.634	2.467	15.8	17.4	4 1	14 32.38	- 6 12.1	1.903	2.827	9.4	20.0
4 11	14 31.07	+28 48.0	1.602	2.449	15.6	17.3	4 11	14 26.84	- 4 35.1	1.869	2.841	6.0	19.8
4 21	14 21.79	+30 2.9	1.591	2.430	16.2	17.3	4 21	14 20.19	- 2 59.4	1.862	2.855	3.8	19.7
5 1	14 11.81	+30 36.5	1.599	2.411	17.5	17.3	5 1	14 13.25	- 1 32.1	1.883	2.870	5.0	19.8
5 11	14 2.41	+30 26.1	1.624	2.391	19.2	17.4	5 11	14 6.86	- 0 19.4	1.931	2.884	8.1	20.0
5 21	13 54.68	+29 34.1	1.665	2.371	21.0	17.5	5 21	14 1.70	+ 0 34.5	2.004	2.899	11.3	20.2
5 31	13 49.38	+28 6.1	1.718	2.351	22.7	17.6	5 31	13 58.26	+ 1 8.2	2.099	2.914	14.0	20.4
227567	2005 <i>YY</i> ₂₀₀		4 26.5 116°43	0°3/26.7	17		496479	2014 <i>SC</i> ₂₁₉		4 26.5 187°52	4°0/23.3	17	
3 22	14 41.30	-16 17.5	1.901	2.729	14.0	20.9	3 22	14 42.37	- 5 25.9	1.833	2.679	13.7	21.2
4 1	14 36.50	-16 1.2	1.825	2.734	10.6	20.7	4 1	14 37.31	- 4 33.5	1.759	2.678	10.3	21.0
4 11	14 29.57	-15 34.0	1.771	2.739	6.8	20.4	4 11	14 30.09	- 3 37.7	1.708	2.678	6.8	20.8
4 21	14 21.20	-14 58.2	1.743	2.743	2.5	20.2	4 21	14 21.41	- 2 43.9	1.684	2.677	4.1	20.6
5 1	14 12.33	-14 17.7	1.743	2.748	1.9	20.1	5 1	14 12.22	- 1 58.1	1.687	2.675	5.3	20.7
5 11	14 3.99	-13 37.5	1.771	2.752	6.1	20.4	5 11	14 3.55	- 1 25.6	1.717	2.673	8.7	20.9
5 21	13 57.04	-13 2.5	1.824	2.757	10.0	20.7	5 21	13 56.29	- 1 9.5	1.772	2.671	12.2	21.1
5 31	13 52.12	-12 36.8	1.900	2.761	13.4	20.9	5 31	13 51.07	- 1 11.2	1.848	2.668	15.4	21.3
435563	2008 <i>RA</i> ₂₉		4 26.5 190°54	2°2/24.5	17		79268	1995 <i>OW</i> ₁₃		4 26.5 317°38	4°4/22.3	18	
3 22	14 39.19	-10 24.6	1.982	2.823	12.9	21.6	3 22	14 36.71	- 4 15.3	2.015	2.867	12.3	19.6
4 1	14 34.79	- 9 32.6	1.904	2.823	9.7	21.4	4 1	14 32.90	- 3 6.5	1.939	2.862	9.3	19.4
4 11	14 28.45	- 8 33.2	1.850	2.823	6.0	21.2	4 11	14 27.27	- 1 54.6	1.887	2.856	6.3	19.2
4 21	14 20.79	- 7 30.6	1.823	2.822	2.7	20.9	4 21	14 20.39	- 0 45.5	1.862	2.851	4.4	19.1
5 1	14 12.68	- 6 30.6	1.823	2.821	3.5	21.0	5 1	14 13.06	+ 0 14.7	1.864	2.845	5.6	19.2
5 11	14 5.04	- 5 38.9	1.852	2.820	7.2	21.2	5 11	14 6.15	+ 1 0.4	1.892	2.840	8.6	19.3
5 21	13 58.65	- 4 59.7	1.905	2.819	10.8	21.4	5 21	14 0.40	+ 1 28.5	1.945	2.836	11.8	19.5
5 31	13 54.12	- 4 36.0	1.981	2.818	13.9	21.6	5 31	13 56.39	+ 1 37.7	2.019	2.831	14.6	19.7
20193	Yakushima		4 26.5 250°89	5°5/30.9	18		87868	2000 <i>SR</i> ₂₅₁		4 26.5 239°10	0°7/25.8	18	
3 22	14 43.63	-30 26.6	2.200	2.962	14.4	18.5	3 22	14 38.88	-12 48.1	2.381	3.210	11.5	20.0
4 1	14 38.50	-30 51.7	2.094	2.946	12.0	18.3	4 1	14 34.33	-12 27.3	2.293	3.205	8.6	19.8
4 11	14 31.03	-30 59.6	2.009	2.930	9.3	18.1	4 11	14 28.08	-11 59.9	2.230	3.201	5.4	19.6
4 21	14 21.81	-30 48.1	1.948	2.913	6.7	17.9	4 21	14 20.67	-11 28.0	2.195	3.196	1.9	19.4
5 1	14 11.77	-30 17.0	1.914	2.896	5.5	17.8	5 1	14 12.82	-10 55.1	2.188	3.191	2.1	19.4
5 11	14 2.02	-29 29.5	1.908	2.879	6.8	17.8	5 11	14 5.32	-10 25.0	2.209	3.186	5.6	19.6
5 21	13 53.57	-28 31.0	1.928	2.861	9.6	17.9	5 21	13 58.85	-10 1.0	2.257	3.180	8.9	19.8
5 31	13 47.22	-27 28.7	1.972	2.842	12.6	18.1	5 31	13 53.97	- 9 46.0	2.329	3.175	11.8	20.0
442870	2013 <i>BL</i> ₉		4 26.5 324°88	9°1/ 3.8	16		155691	2000 <i>OS</i> ₂₂		4 26.5 236°33	3°1/28.9	18	
3 22	14 40.37	-38 18.6	2.003	2.734	16.6	20.7	3 22	14 45.99	-23 41.6	2.492	3.272	12.5	20.3
4 1	14 36.53	-39 13.6	1.903	2.718	14.6	20.5	4 1	14 39.92	-24 3.6	2.381	3.255	10.0	20.1
4 11	14 30.04	-39 47.0	1.821	2.702	12.4	20.3	4 11	14 31.77	-24 14.0	2.293	3.237	7.1	19.9
4 21	14 21.52	-39 54.5	1.761	2.686	10.3	20.1	4 21	14 22.07	-24 12.0	2.233	3.218	4.3	19.7
5 1	14 12.00	-39 33.8	1.724	2.671	9.2	20.0	5 1	14 11.62	-23 57.9	2.202	3.198	3.2	19.6
5 11	14 2.82	-38 47.0	1.711	2.657	9.5	20.0	5 11	14 1.37	-23 34.4	2.200	3.178	5.5	19.7
5 21	13 55.15	-37 39.8	1.722	2.643	11.3	20.1	5 21	13 52.19	-23 5.3	2.226	3.156	8.6	19.8
5 31	13 49.93	-36 20.8	1.755	2.629	13.7	20.2	5 31	13 44.82	-22 35.5	2.278	3.134	11.7	20.0
432949	2012 <i>HH</i> ₂		4 26.5 37°68	0°4/21.8	16		130099	1999 <i>XU</i> ₂₂		4 26.5 116°49	2°2/24.6	18	
3 22	14 19.86	+ 0 3.3	29.996	30.832	1.0	21.2	3 22	14 43.32	- 7 38.2	2.389	3.218	11.5	20.6
4 1	14 18.97	+ 0 8.5	29.924	30.835	0.8	21.2	4 1	14 37.39	- 7 15.0	2.326	3.238	8.5	20.5
4 11	14 17.99	+ 0 13.4	29.880	30.839	0.5	21.1	4 11	14 29.83	- 6 49.1	2.289	3.258	5.4	20.3
4 21	14 16.95	+ 0 17.8	29.864	30.843	0.4	21.1	4 21	14 21.24	- 6 23.4	2.279	3.277	2.5	20.1
5 1	14 15.89	+ 0 21.5	29.877	30.846	0.5	21.1	5 1	14 12.40	- 6 1.4	2.300	3.296	3.2	20.2
5 11	14 14.84	+ 0 24.4	29.919	30.850	0.7	21.2	5 11	14 4.09	- 5 46.1	2.349	3.314	6.1	20.4
5 21	14 13.86	+ 0 26.1	29.988	30.854	1.0	21.2	5 21	13 56.94	- 5 39.7	2.425	3.331	9.1	20.6
5 31	14 12.96	+ 0 26.7	30.082	30.858	1.2	21.2	5 31	13 51.46	- 5 43.4	2.526	3.348	11.7	20.8
505564	2014 <i>AA</i> ₄₃		4 26.5 263°51	3°6/23.5	18		486041	2012 <i>TY</i> ₁₂₇		4 26.5 254°69	0°6/27.5	18	
3 22	14 41.60	- 5 59.7	2.045	2.887	12.6	21.5	3 22	14 33.12	-17 31.4	4.710	5.510	6.7	21.4
4 1	14 36.76	- 5 12.5	1.946	2.864	9.6	21.3	4 1	14 29.28	-17 30.1	4.608	5.502	5.1	21.2
4 11	14 29.82	- 4 20.7	1.870	2.840	6.3	21.0	4 11	14 24.61	-17 24.1	4.533	5.493	3.3	21.1
4 21	14 21.36	- 3 28.8	1.822	2.816	3.7	20.8	4 21	14 19.38	-17 14.2	4.487	5.485	1.4	20.9
5 1	14 12.19	- 2 42.4	1.801	2.791	4.8	20.8	5 1	14 13.92	-17 1.5	4.472	5.476	0.9	20.9
5 11	14 3.29	- 2 6.7	1.808	2.766	8.2	21.0	5 11	14 8.61	-16 47.6	4.486	5.467	2.8	21.0
5 21	13 55.54	- 1 45.6	1.840	2.740	11.9	21.1	5 21	14 3.77	-16 34.1	4.529	5.458	4.6	21.2
5 31	13 49.66	- 1 41.3	1.895	2.713	15.2	21.3	5 31	13 59.70	-16 22.5	4.600	5.449	6.3	21.3
335621	2006 <i>GA</i> ₃₇		4 26.5 105°37	0°6/26.1	17		343844	2011 <i>HA</i> ₃₈					

EPHEMERIDES

4 26.5

4 26.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
120644	1996 <i>RM</i> ₃		4 26.5 190°83	1.8/28.2	18		283611	2002 <i>CD</i> ₂₃		4 26.5 178°96	6.8/4.8	18	
3 22	14 43.31	-21 17.5	2.788	3.576	11.1	20.9	3 22	14 43.00	-40 58.9	3.038	3.715	12.5	20.9
4 1	14 37.48	-21 12.3	2.691	3.574	8.7	20.7	4 1	14 37.50	-41 27.4	2.942	3.716	11.0	20.8
4 11	14 29.99	-20 56.7	2.619	3.571	5.9	20.5	4 11	14 30.12	-41 38.3	2.867	3.717	9.3	20.7
4 21	14 21.36	-20 31.2	2.575	3.568	3.0	20.3	4 21	14 21.45	-41 29.3	2.814	3.718	7.8	20.6
5 1	14 12.30	-19 57.6	2.561	3.564	2.0	20.2	5 1	14 12.27	-41 0.0	2.788	3.718	6.9	20.5
5 11	14 3.56	-19 19.3	2.578	3.558	4.6	20.4	5 11	14 3.47	-40 12.5	2.788	3.717	7.0	20.5
5 21	13 55.81	-18 40.0	2.623	3.552	7.5	20.6	5 21	13 55.81	-39 11.2	2.814	3.716	8.1	20.6
5 31	13 49.60	-18 3.8	2.694	3.545	10.2	20.8	5 31	13 49.89	-38 1.4	2.866	3.715	9.7	20.7
6045	1991 <i>RG</i> ₉		4 26.5 300°11	0.7/26.1	18		84950	2003 <i>XJ</i> ₃		4 26.5 230°82	4.1/22.6	18	
3 22	14 39.83	-15 21.7	1.289	2.145	17.7	16.8	3 22	14 40.49	-2 12.7	2.458	3.295	10.9	19.9
4 1	14 36.54	-14 46.6	1.204	2.129	13.6	16.5	4 1	14 35.48	-1 27.7	2.369	3.283	8.3	19.7
4 11	14 30.24	-13 54.6	1.138	2.113	8.6	16.2	4 11	14 28.80	-0 42.2	2.307	3.270	5.7	19.5
4 21	14 21.65	-12 49.5	1.095	2.097	3.1	15.8	4 21	14 20.96	-0 0.3	2.271	3.257	4.1	19.4
5 1	14 12.01	-11 38.2	1.077	2.082	3.0	15.8	5 1	14 12.68	+0 33.4	2.265	3.244	5.0	19.5
5 11	14 2.88	-10 29.9	1.083	2.067	8.8	16.0	5 11	14 4.70	+0 55.5	2.287	3.230	7.6	19.6
5 21	13 55.58	-9 33.7	1.112	2.052	14.3	16.3	5 21	13 57.71	+1 3.6	2.334	3.215	10.4	19.7
5 31	13 51.11	-8 56.1	1.159	2.037	19.0	16.5	5 31	13 52.26	+0 56.8	2.404	3.200	13.0	19.9
476676	2008 <i>TU</i> ₅₄		4 26.5 139°73	0.2/26.8	18		284621	2007 <i>UU</i> ₁₃₀		4 26.5 193°66	1.2/25.3	18	
3 22	14 34.76	-16 16.2	3.951	4.758	7.7	22.9	3 22	14 39.71	-11 16.4	2.456	3.285	11.2	21.6
4 1	14 30.57	-15 56.1	3.870	4.768	5.8	22.8	4 1	14 34.87	-10 49.9	2.371	3.284	8.4	21.4
4 11	14 25.42	-15 30.5	3.814	4.778	3.7	22.7	4 11	14 28.39	-10 17.7	2.311	3.282	5.2	21.2
4 21	14 19.67	-15 0.7	3.788	4.788	1.4	22.5	4 21	14 20.81	-9 42.4	2.279	3.280	2.0	21.0
5 1	14 13.72	-14 28.9	3.793	4.797	1.0	22.5	5 1	14 12.82	-9 7.6	2.276	3.277	2.4	21.0
5 11	14 8.01	-13 57.1	3.827	4.806	3.3	22.6	5 11	14 5.19	-8 36.9	2.302	3.275	5.7	21.2
5 21	14 2.93	-13 27.6	3.890	4.815	5.5	22.8	5 21	13 58.58	-8 13.5	2.355	3.271	8.9	21.4
5 31	13 58.78	-13 2.4	3.980	4.824	7.4	23.0	5 31	13 53.52	-7 59.9	2.431	3.268	11.7	21.6
346047	2007 <i>UJ</i> ₂₀		4 26.5 243°67	1.0/25.6	17		214178	2005 <i>CZ</i> ₆₈		4 26.5 46°00	1.8/25.4	17	
3 22	14 39.12	-12 54.6	2.169	3.002	12.3	21.9	3 22	14 41.51	-12 13.0	1.300	2.159	17.4	20.6
4 1	14 34.68	-12 22.8	2.082	2.996	9.3	21.7	4 1	14 37.34	-11 39.0	1.242	2.169	13.1	20.3
4 11	14 28.39	-11 42.9	2.019	2.990	5.8	21.5	4 11	14 30.39	-10 54.3	1.205	2.180	8.1	20.1
4 21	14 20.82	-10 57.8	1.982	2.983	2.1	21.2	4 21	14 21.58	-10 4.2	1.191	2.192	3.0	19.8
5 1	14 12.76	-10 11.7	1.974	2.976	2.4	21.2	5 1	14 12.23	-9 15.3	1.201	2.204	3.6	19.9
5 11	14 5.08	-9 29.3	1.994	2.970	6.1	21.4	5 11	14 3.72	-8 35.0	1.237	2.216	8.6	20.2
5 21	13 58.53	-8 54.9	2.040	2.963	9.7	21.6	5 21	13 57.16	-8 8.6	1.295	2.229	13.2	20.5
5 31	13 53.72	-8 31.6	2.109	2.956	12.8	21.8	5 31	13 53.24	-7 59.3	1.374	2.242	17.2	20.7
15576	Munday		4 26.5 300°90	0.6/25.9	17		44641	1999 <i>RZ</i> ₁₁₁		4 26.5 193°60	18.2/7.6	18	
3 22	14 38.48	-14 8.4	2.009	2.844	13.0	19.0	3 22	14 55.93	-48 25.2	1.321	2.011	25.5	19.0
4 1	14 34.36	-13 39.9	1.923	2.838	9.9	18.8	4 1	14 51.05	-50 46.3	1.249	2.011	23.6	18.8
4 11	14 28.26	-13 1.8	1.860	2.831	6.2	18.6	4 11	14 40.80	-52 35.6	1.191	2.010	21.5	18.6
4 21	14 20.79	-12 17.1	1.823	2.825	2.2	18.3	4 21	14 25.88	-53 39.4	1.148	2.009	19.6	18.5
5 1	14 12.78	-11 30.1	1.814	2.818	2.2	18.3	5 1	14 8.43	-53 46.7	1.122	2.008	18.4	18.4
5 11	14 5.18	-10 45.9	1.833	2.812	6.3	18.5	5 11	13 51.71	-52 56.3	1.114	2.006	18.2	18.4
5 21	13 58.79	-10 9.2	1.877	2.805	10.1	18.8	5 21	13 38.60	-51 18.2	1.124	2.004	19.2	18.4
5 31	13 54.25	-9 43.7	1.944	2.799	13.4	19.0	5 31	13 30.86	-49 9.7	1.152	2.002	20.9	18.5
278432	2007 <i>RS</i> ₂₇₅		4 26.5 245°55	9.1/16.6	18		280656	2005 <i>EB</i> ₃		4 26.5 162°49	2.2/24.5	17	
3 22	14 41.70	+14 55.0	2.404	3.218	11.9	20.7	3 22	14 39.92	-9 20.5	2.209	3.046	12.0	21.3
4 1	14 36.44	+16 7.1	2.332	3.203	10.3	20.5	4 1	14 35.14	-8 40.0	2.132	3.049	9.0	21.1
4 11	14 29.41	+17 8.5	2.284	3.186	9.3	20.4	4 11	14 28.60	-7 54.3	2.080	3.052	5.6	20.9
4 21	14 21.17	+17 52.7	2.261	3.169	9.2	20.4	4 21	14 20.89	-7 6.9	2.056	3.054	2.6	20.7
5 1	14 12.48	+18 14.8	2.264	3.152	10.2	20.4	5 1	14 12.78	-6 22.5	2.060	3.057	3.3	20.7
5 11	14 4.15	+18 12.0	2.291	3.134	11.9	20.5	5 11	14 5.11	-5 45.4	2.092	3.059	6.6	20.9
5 21	13 56.91	+17 44.5	2.339	3.116	13.8	20.6	5 21	13 58.59	-5 19.1	2.150	3.060	9.9	21.1
5 31	13 51.32	+16 54.4	2.406	3.097	15.6	20.7	5 31	13 53.77	-5 5.6	2.231	3.062	12.8	21.3
409201	2003 <i>WS</i>		4 26.5 185°72	0.1/26.6	16		401851	2000 <i>AE</i> ₂₀₇		4 26.5 38°82	0.7/26.9	18	
3 22	14 43.67	-16 20.5	2.079	2.898	13.3	22.9	3 22	14 41.58	-17 5.4	0.968	1.835	21.2	20.2
4 1	14 38.17	-15 52.7	1.993	2.898	10.1	22.7	4 1	14 38.04	-16 49.5	0.924	1.854	16.1	19.9
4 11	14 30.60	-15 13.9	1.931	2.898	6.4	22.4	4 11	14 31.06	-16 15.2	0.898	1.874	10.2	19.7
4 21	14 21.63	-14 26.4	1.896	2.896	2.4	22.2	4 21	14 21.85	-15 26.5	0.893	1.894	3.9	19.4
5 1	14 12.13	-13 34.2	1.890	2.894	1.9	22.1	5 1	14 12.09	-14 31.1	0.911	1.916	2.7	19.4
5 11	14 3.10	-12 42.6	1.912	2.892	6.0	22.4	5 11	14 3.58	-13 38.8	0.950	1.939	8.8	19.8
5 21	13 55.38	-11 56.7	1.961	2.888	9.8	22.6	5 21	13 57.57	-12 57.9	1.011	1.962	14.1	20.2
5 31	13 49.61	-11 20.8	2.034	2.884	13.1	22.8	5 31	13 54.76	-12 33.9	1.090	1.986	18.6	20.5
430339	2013 <i>YG</i> ₅₇		4 26.5 242°10	1.6/27.7	18		356830	2011 <i>UV</i> ₄₀₄		4 26.5 154°47	3.4/22.7	18	
3 22	14 41.46	-19 2.4	2.065	2.881	13.5	21.3	3 22	14 37.81	-3 10.4	2.820	3.657	9.7	21.2
4 1	14 36.63	-19 4.1	1.977	2.877	10.5	21.0	4 1	14 33.16	-2 23.9	2.749	3.663	7.3	21.0
4 11	14 29.72	-18 54.4	1.911	2.872	6.9	20.8	4 11	14 27.18	-1 36.8	2.704	3.669	4.9	20.9
4 21	14 21.33	-18 34.2	1.871	2.868	3.2	20.6	4 21	14 20.35	-0 52.9	2.687	3.674	3.4	20.8
5 1	14 12.35	-18 6.0	1.860	2.864	2.1	20.5	5 1	14 13.24	-0 15.7	2.699	3.679	4.2	20.9
5 11	14 3.78	-17 33.7	1.876	2.859	5.7	20.7	5 11	14 6.49	+0 11.5	2.740	3.684	6.5	21.0
5 21	13 56.47	-17 2.1	1.918	2.855	9.4	20.9	5 21	14 0.61	+0 27.0	2.807	3.688	8.9	21.2
5 31	13 51.10	-16 35.8	1.984	2.850	12.7	21.1	5 31	13 56.03	+0 29.9	2.897	3.693	11.0	21.3
55274	2001 <i>SN</i> ₃		4 26.5 141°31	0.3/26.2	18		462204	2007 <i>VZ</i> ₉₄		4 26.5 244°49	3.0/28.6	17	
3 22	14												

EPHEMERIDES

4 26.5

4 26.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
43975	1997 <i>GF</i> ₁₄		4 26.5 118°47'	1.1°/27.3	18		332131	2005 <i>WD</i> ₈₇		4 26.5 210°13'	1.4°/25.3	18	
3 22	14 43.85	-18 45.9	1.783	2.604	15.1	19.4	3 22	14 42.04	-11 23.1	2.307	3.134	11.9	21.6
4 1	14 38.52	-18 27.3	1.713	2.617	11.6	19.2	4 1	14 36.79	-10 53.6	2.216	3.128	8.9	21.4
4 11	14 30.88	-17 55.0	1.666	2.630	7.5	18.9	4 11	14 29.71	-10 17.5	2.151	3.120	5.6	21.2
4 21	14 21.74	-17 11.1	1.644	2.642	3.1	18.7	4 21	14 21.36	-9 37.7	2.112	3.113	2.1	20.9
5 1	14 12.13	-16 19.9	1.649	2.654	2.0	18.6	5 1	14 12.51	-8 57.9	2.103	3.104	2.6	21.0
5 11	14 3.19	-15 27.2	1.682	2.666	6.3	18.9	5 11	14 4.01	-8 22.6	2.123	3.095	6.1	21.2
5 21	13 55.82	-14 39.1	1.741	2.677	10.3	19.2	5 21	13 56.62	-7 55.2	2.170	3.085	9.6	21.4
5 31	13 50.69	-14 0.5	1.824	2.687	13.8	19.4	5 31	13 50.93	-7 38.6	2.240	3.075	12.6	21.5
347519	1999 <i>TP</i> ₆₅		4 26.5 247°00'	0°2/26.3	17		498683	2008 <i>SO</i> ₂₅₆		4 26.5 120°27'	0°2/26.4	17	
3 22	14 43.30	-15 23.6	1.888	2.715	14.1	22.3	3 22	14 42.26	-14 27.0	2.187	3.010	12.6	21.6
4 1	14 38.30	-14 57.4	1.788	2.698	10.8	22.0	4 1	14 36.92	-14 14.8	2.114	3.022	9.5	21.5
4 11	14 30.94	-14 19.5	1.711	2.680	6.9	21.7	4 11	14 29.74	-13 54.7	2.065	3.033	6.0	21.3
4 21	14 21.85	-13 32.3	1.661	2.661	2.5	21.4	4 21	14 21.34	-13 28.9	2.043	3.044	2.1	21.0
5 1	14 11.96	-12 39.8	1.638	2.642	2.2	21.3	5 1	14 12.55	-13 0.4	2.050	3.055	1.8	21.0
5 11	14 2.41	-11 48.1	1.643	2.622	6.8	21.6	5 11	14 4.26	-12 33.3	2.086	3.065	5.6	21.3
5 21	13 54.18	-11 2.7	1.674	2.602	11.1	21.8	5 21	13 57.22	-12 11.1	2.148	3.075	9.1	21.5
5 31	13 48.09	-10 28.8	1.728	2.581	14.9	22.0	5 31	13 51.97	-11 56.8	2.234	3.085	12.1	21.7
214470	2005 <i>SU</i> ₂₂₁		4 26.5 218°26'	3°6/22.4	18		120941	1998 <i>TB</i> ₁₇		4 26.5 309°14'	1°6/27.4	17	
3 22	14 38.30	-1 34.1	3.005	3.838	9.2	21.2	3 22	14 40.55	-18 53.4	1.244	2.093	18.6	19.8
4 1	14 33.54	-0 52.8	2.918	3.829	7.1	21.1	4 1	14 37.28	-18 45.3	1.161	2.080	14.5	19.5
4 11	14 27.44	-0 11.8	2.858	3.820	4.9	20.9	4 11	14 30.83	-18 18.7	1.097	2.067	9.6	19.2
4 21	14 20.47	+ 0 25.7	2.826	3.810	3.6	20.8	4 21	14 21.96	-17 34.7	1.055	2.054	4.2	18.9
5 1	14 13.15	+ 0 56.2	2.823	3.799	4.4	20.8	5 1	14 11.97	-16 38.0	1.036	2.042	2.7	18.7
5 11	14 6.10	+ 1 16.9	2.849	3.788	6.5	21.0	5 11	14 2.51	-15 36.8	1.042	2.030	8.3	19.0
5 21	13 59.84	+ 1 26.0	2.902	3.777	8.8	21.1	5 21	13 55.02	-14 40.3	1.070	2.019	13.8	19.3
5 31	13 54.82	+ 1 22.7	2.978	3.765	11.0	21.2	5 31	13 50.53	-13 56.8	1.117	2.008	18.6	19.5
40292	1999 <i>JD</i> ₇₂		4 26.5 255°10'	3°7/23.8	17		124766	2001 <i>SV</i> ₂₃₉		4 26.5 150°31'	1°8/25.4	18	R
3 22	14 43.57	- 6 42.8	1.774	2.619	14.1	19.4	3 22	14 47.08	-10 17.9	1.632	2.470	15.4	19.9
4 1	14 38.57	- 5 54.7	1.679	2.599	10.8	19.2	4 1	14 41.16	-10 3.3	1.561	2.477	11.6	19.6
4 11	14 31.17	- 5 0.7	1.608	2.578	7.0	18.9	4 11	14 32.68	- 9 42.3	1.512	2.483	7.3	19.4
4 21	14 21.96	- 4 5.9	1.562	2.557	4.0	18.7	4 21	14 22.46	- 9 18.3	1.489	2.489	2.8	19.1
5 1	14 11.93	- 3 16.7	1.543	2.535	5.1	18.7	5 1	14 11.64	- 8 55.6	1.493	2.494	3.3	19.2
5 11	14 2.23	- 2 39.2	1.552	2.513	9.0	18.9	5 11	14 1.49	- 8 39.0	1.524	2.499	7.8	19.5
5 21	13 53.89	- 2 17.8	1.585	2.490	13.1	19.0	5 21	13 53.05	- 8 32.3	1.581	2.503	12.0	19.7
5 31	13 47.75	- 2 15.1	1.639	2.466	16.8	19.2	5 31	13 47.04	- 8 37.9	1.659	2.507	15.7	20.0
170205	2003 <i>OD</i> ₃₁		4 26.5 274°08'	5°0/29.6	17		191830	2004 <i>VC</i> ₂		4 26.5 243°89'	3°1/29.4	18	
3 22	14 43.84	-25 50.2	1.579	2.385	17.4	20.0	3 22	14 41.10	-25 46.8	2.219	3.007	13.6	20.2
4 1	14 39.41	-26 15.3	1.485	2.370	14.2	19.7	4 1	14 36.40	-25 30.1	2.115	2.993	10.9	20.0
4 11	14 32.01	-26 21.6	1.410	2.356	10.4	19.5	4 11	14 29.62	-24 56.3	2.033	2.978	7.8	19.8
4 21	14 22.35	-26 6.8	1.358	2.342	6.6	19.2	4 21	14 21.37	-24 5.6	1.977	2.963	4.6	19.5
5 1	14 11.59	-25 31.2	1.331	2.327	5.0	19.1	5 1	14 12.49	-23 0.4	1.948	2.947	3.2	19.4
5 11	14 1.23	-24 39.8	1.330	2.312	7.7	19.2	5 11	14 3.95	-21 45.8	1.949	2.931	5.6	19.5
5 21	13 52.59	-23 40.2	1.354	2.298	11.9	19.4	5 21	13 56.64	-20 28.2	1.976	2.914	9.1	19.7
5 31	13 46.68	-22 41.5	1.398	2.283	15.9	19.6	5 31	13 51.22	-19 14.5	2.028	2.897	12.4	19.9
194337	2001 <i>UQ</i> ₁₄₀		4 26.5 81°27'	0°4/26.3	18		341489	2007 <i>TN</i> ₃₇₉		4 26.5 227°86'	0°1/26.6	17	
3 22	14 49.22	-12 23.5	1.373	2.215	17.6	20.4	3 22	14 40.26	-15 20.6	2.240	3.063	12.3	21.5
4 1	14 43.09	-12 39.1	1.313	2.230	13.3	20.2	4 1	14 35.54	-15 4.4	2.151	3.058	9.4	21.3
4 11	14 34.01	-12 47.1	1.275	2.246	8.4	20.0	4 11	14 28.96	-14 39.4	2.085	3.053	5.9	21.1
4 21	14 22.93	-12 49.1	1.260	2.262	3.0	19.7	4 21	14 21.10	-14 7.6	2.047	3.047	2.2	20.8
5 1	14 11.25	-12 48.0	1.272	2.277	2.6	19.7	5 1	14 12.73	-13 32.1	2.037	3.042	1.7	20.8
5 11	14 0.48	-12 48.1	1.311	2.292	7.8	20.0	5 11	14 4.73	-12 57.1	2.055	3.036	5.6	21.0
5 21	13 51.81	-12 53.5	1.373	2.308	12.5	20.3	5 21	13 57.85	-12 26.7	2.101	3.030	9.1	21.2
5 31	13 46.00	-13 7.1	1.456	2.323	16.5	20.6	5 31	13 52.71	-12 4.4	2.170	3.023	12.3	21.4
457337	2008 <i>SZ</i> ₁₉₄		4 26.5 164°09'	0°4/26.7	16		430328	2013 <i>YH</i> ₃₅		4 26.5 182°20'	2°2/24.7	17	
3 22	14 46.43	-15 53.4	1.624	2.453	15.9	22.2	3 22	14 41.81	- 8 53.3	2.168	3.002	12.2	21.6
4 1	14 40.79	-15 44.9	1.548	2.458	12.2	21.9	4 1	14 36.64	- 8 22.4	2.088	3.003	9.2	21.4
4 11	14 32.52	-15 24.8	1.494	2.461	7.8	21.7	4 11	14 29.61	- 7 46.7	2.033	3.003	5.8	21.2
4 21	14 22.41	-14 54.9	1.464	2.465	2.9	21.4	4 21	14 21.32	- 7 9.7	2.004	3.003	2.6	21.0
5 1	14 11.63	-14 19.2	1.462	2.467	2.2	21.3	5 1	14 12.57	- 6 35.6	2.005	3.002	3.3	21.0
5 11	14 1.49	-13 43.4	1.488	2.470	7.1	21.6	5 11	14 4.26	- 6 8.4	2.034	3.001	6.7	21.2
5 21	13 53.07	-13 13.0	1.538	2.471	11.5	21.9	5 21	13 57.14	- 5 51.4	2.089	3.000	10.1	21.4
5 31	13 47.14	-12 52.7	1.610	2.472	15.4	22.1	5 31	13 51.79	- 5 46.6	2.167	2.998	13.1	21.6
377960	2006 <i>JU</i> ₆₃		4 26.5 218°55'	2°1/28.1	18		106427	2000 <i>VT</i> ₄₃		4 26.5 279°93'	2°1/28.4	18	
3 22	14 42.13	-20 37.2	2.040	2.850	13.8	20.8	3 22	14 39.16	-21 42.9	2.319	3.123	12.5	19.9
4 1	14 37.21	-20 41.2	1.952	2.847	10.8	20.6	4 1	14 34.82	-21 38.9	2.217	3.108	9.9	19.7
4 11	14 30.13	-20 32.7	1.886	2.844	7.3	20.4	4 11	14 28.59	-21 22.5	2.137	3.092	6.8	19.5
4 21	14 21.53	-20 12.1	1.846	2.841	3.7	20.1	4 21	14 21.00	-20 54.1	2.084	3.076	3.5	19.3
5 1	14 12.33	-19 41.6	1.834	2.837	2.4	20.1	5 1	14 12.80	-20 15.9	2.058	3.061	2.4	19.2
5 11	14 3.55	-19 5.5	1.850	2.833	5.7	20.3	5 11	14 4.89	-19 31.7	2.061	3.045	5.3	19.3
5 21	13 56.07	-18 28.8	1.892	2.830	9.5	20.5	5 21	13 58.05	-18 46.4	2.091	3.029	8.7	19.5
5 31	13 50.59	-17 56.4	1.958	2.826	12.8	20.7	5 31	13 52.93	-18 4.8	2.145	3.013	11.8	19.7
173268	1999 <i>RY</i> ₁₉₀		4 26.5 255°39'	3°1/28.8	17		119520	2001 <i>UB</i> ₁					

EPHEMERIDES

4 26.5

4 26.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
241886	2001 VX ₄₆	4 26.5 174°07'		8°4/16.3 18			17367	1979 OU ₁₁	4 26.5 170°76'		6°3/20.2 18		
3 22	14 41.80	+19 12.4	2.974	3.764	10.4	20.7	3 22	14 40.93	+3 28.1	2.272	3.111	11.6	19.6
4 1	14 36.08	+20 6.5	2.922	3.766	9.3	20.6	4 1	14 35.81	+4 44.0	2.208	3.114	9.2	19.4
4 11	14 28.99	+20 48.1	2.894	3.768	8.5	20.6	4 11	14 29.01	+5 56.4	2.169	3.118	7.1	19.3
4 21	14 21.04	+21 12.9	2.892	3.770	8.5	20.6	4 21	14 21.09	+6 59.3	2.156	3.120	6.3	19.2
5 1	14 12.85	+21 17.7	2.915	3.771	9.2	20.6	5 1	14 12.83	+7 47.2	2.172	3.122	7.4	19.3
5 11	14 5.08	+21 1.4	2.963	3.772	10.4	20.7	5 11	14 5.03	+8 16.3	2.214	3.124	9.6	19.4
5 21	13 58.28	+20 24.9	3.032	3.772	11.7	20.8	5 21	13 58.36	+8 25.3	2.281	3.125	12.0	19.6
5 31	13 52.86	+19 30.3	3.121	3.772	13.0	20.9	5 31	13 53.34	+8 14.7	2.368	3.125	14.2	19.8
383382	2006 SG ₃₇₆	4 26.5		7°48' 5°0/22.5 17			19874	Liudongyan	4 26.5 123°80'		0°8/25.9 18		
3 22	14 36.31	-3 37.0	1.665	2.528	14.0	20.1	3 22	14 45.15	-13 43.1	1.797	2.627	14.6	20.5
4 1	14 32.92	-2 35.8	1.601	2.529	10.6	19.9	4 1	14 39.39	-13 12.1	1.731	2.643	11.0	20.3
4 11	14 27.44	-1 32.9	1.560	2.531	7.2	19.7	4 11	14 31.40	-12 31.5	1.689	2.659	6.8	20.1
4 21	14 20.56	-0 34.8	1.544	2.534	5.1	19.6	4 21	14 21.98	-11 44.7	1.673	2.674	2.4	19.8
5 1	14 13.22	+0 11.8	1.554	2.537	6.3	19.7	5 1	14 12.14	-10 56.8	1.685	2.688	2.5	19.9
5 11	14 6.44	+0 41.4	1.589	2.542	9.5	19.9	5 11	14 3.01	-10 13.4	1.725	2.702	6.8	20.2
5 21	14 1.04	+0 51.4	1.646	2.547	12.9	20.1	5 21	13 55.44	-9 39.0	1.791	2.715	10.7	20.4
5 31	13 57.63	+0 41.4	1.724	2.553	16.0	20.3	5 31	13 50.06	-9 17.2	1.879	2.727	14.1	20.6
255066	2005 TQ ₁₈₂	4 26.5 257°21'		2°2/24.4 18			310695	2002 GP ₁₇₄	4 26.5 4°86'		4°7/23.6 17		
3 22	14 39.15	-7 53.6	2.538	3.372	10.7	20.8	3 22	14 39.77	-6 38.6	1.249	2.119	17.2	19.6
4 1	14 34.51	-7 24.8	2.442	3.357	8.1	20.6	4 1	14 36.23	-5 42.8	1.186	2.119	13.0	19.4
4 11	14 28.24	-6 52.3	2.371	3.341	5.1	20.4	4 11	14 29.86	-4 41.0	1.143	2.119	8.4	19.1
4 21	14 20.84	-6 19.0	2.328	3.325	2.5	20.2	4 21	14 21.52	-3 40.8	1.124	2.120	4.9	18.9
5 1	14 12.96	-5 48.6	2.313	3.309	3.2	20.2	5 1	14 12.49	-2 50.8	1.128	2.121	6.3	19.0
5 11	14 5.35	-5 24.6	2.328	3.293	6.2	20.4	5 11	14 4.20	-2 18.4	1.156	2.123	10.6	19.2
5 21	13 58.66	-5 9.7	2.369	3.276	9.2	20.6	5 21	13 57.79	-2 7.7	1.205	2.126	15.1	19.5
5 31	13 53.45	-5 6.0	2.434	3.259	12.0	20.7	5 31	13 54.05	-2 19.7	1.273	2.129	19.0	19.7
387368	2012 XL ₈₄	4 26.5 167°60'		0°5/27.0 18			213411	2001 WB ₅₈	4 26.5 124°86'		0°1/26.5 17		
3 22	14 39.35	-17 14.6	2.448	3.264	11.6	21.6	3 22	14 39.71	-14 55.1	2.335	3.159	11.9	21.1
4 1	14 34.66	-16 53.7	2.363	3.266	8.9	21.4	4 1	14 34.98	-14 39.0	2.256	3.164	9.0	20.9
4 11	14 28.31	-16 23.2	2.303	3.268	5.7	21.2	4 11	14 28.53	-14 15.0	2.201	3.169	5.6	20.7
4 21	14 20.85	-15 45.0	2.270	3.270	2.2	21.0	4 21	14 20.94	-13 45.1	2.173	3.173	2.0	20.4
5 1	14 12.99	-15 2.4	2.266	3.271	1.5	21.0	5 1	14 12.96	-13 12.4	2.173	3.178	1.7	20.4
5 11	14 5.52	-14 19.2	2.291	3.273	5.0	21.2	5 11	14 5.38	-12 40.8	2.203	3.182	5.3	20.7
5 21	13 59.10	-13 39.7	2.343	3.274	8.3	21.4	5 21	13 58.91	-12 13.9	2.259	3.187	8.6	20.9
5 31	13 54.26	-13 7.4	2.420	3.274	11.1	21.6	5 31	13 54.07	-11 54.8	2.339	3.191	11.5	21.1
519556	2012 QW ₅₃	4 26.5 221°46'		1°0/25.6 17			303873	2005 TC ₁₂	4 26.5 235°25'		0°7/27.1 16		
3 22	14 39.65	-13 2.8	2.213	3.044	12.2	21.7	3 22	14 42.19	-15 45.4	2.561	3.373	11.3	21.1
4 1	14 35.07	-12 26.7	2.125	3.038	9.2	21.5	4 1	14 36.82	-15 58.0	2.467	3.367	8.6	20.9
4 11	14 28.66	-11 42.2	2.062	3.032	5.7	21.2	4 11	14 29.72	-16 3.9	2.398	3.361	5.6	20.7
4 21	14 21.00	-10 52.5	2.025	3.026	2.1	21.0	4 21	14 21.40	-16 4.0	2.356	3.355	2.2	20.4
5 1	14 12.86	-10 1.7	2.017	3.020	2.4	21.0	5 1	14 12.56	-15 59.7	2.344	3.349	1.5	20.4
5 11	14 5.09	-9 14.8	2.038	3.013	6.1	21.2	5 11	14 4.02	-15 53.6	2.361	3.342	4.9	20.6
5 21	13 58.45	-8 35.9	2.085	3.006	9.6	21.4	5 21	13 56.47	-15 48.3	2.406	3.335	8.1	20.8
5 31	13 53.52	-8 8.5	2.155	2.999	12.7	21.6	5 31	13 50.50	-15 46.7	2.476	3.328	11.0	21.0
330978	2009 TR ₁₃	4 26.5 185°76'		0°3/26.8 18			310983	2003 UM ₃₄₁	4 26.5 104°11'		2°0/24.0 18		
3 22	14 40.90	-18 14.1	2.488	3.297	11.7	21.4	3 22	14 35.77	-10 19.9	2.662	3.497	10.2	20.3
4 1	14 35.79	-17 27.7	2.398	3.297	8.9	21.2	4 1	14 31.76	-9 11.8	2.588	3.505	7.6	20.1
4 11	14 29.00	-16 29.6	2.333	3.297	5.7	21.0	4 11	14 26.38	-7 57.7	2.541	3.512	4.7	20.0
4 21	14 21.09	-15 22.4	2.296	3.295	2.2	20.7	4 21	14 20.14	-6 41.8	2.522	3.520	2.3	19.8
5 1	14 12.80	-14 10.1	2.288	3.293	1.6	20.7	5 1	14 13.63	-5 28.8	2.533	3.527	3.1	19.9
5 11	14 4.91	-12 58.1	2.311	3.290	5.1	20.9	5 11	14 7.50	-4 23.5	2.572	3.535	5.8	20.1
5 21	13 58.09	-11 51.4	2.362	3.287	8.5	21.1	5 21	14 2.27	-3 29.2	2.639	3.542	8.6	20.2
5 31	13 52.88	-10 54.3	2.437	3.282	11.4	21.3	5 31	13 58.38	-2 48.4	2.730	3.549	11.0	20.4
158529	2002 GQ ₃₅	4 26.5 327°37'		4°7/23.2 18			180763	2004 PA ₁₅	4 26.5 295°62'		0°4/26.2 18		
3 22	14 39.83	-4 3.1	1.646	2.503	14.4	19.5	3 22	14 39.27	-13 22.9	2.283	3.112	11.9	19.9
4 1	14 35.72	-3 18.1	1.571	2.496	11.0	19.3	4 1	14 34.81	-13 14.3	2.189	3.101	9.0	19.7
4 11	14 29.31	-2 31.0	1.519	2.490	7.3	19.0	4 11	14 28.54	-12 58.8	2.120	3.089	5.7	19.4
4 21	14 21.28	-1 47.7	1.491	2.483	4.8	18.9	4 21	14 20.99	-12 38.4	2.077	3.078	2.0	19.2
5 1	14 12.64	-1 14.4	1.490	2.477	5.9	18.9	5 1	14 12.90	-12 15.9	2.062	3.066	1.9	19.1
5 11	14 4.51	-0 56.2	1.514	2.472	9.5	19.1	5 11	14 5.11	-11 55.0	2.076	3.055	5.6	19.4
5 21	13 57.83	-0 56.1	1.561	2.467	13.2	19.3	5 21	13 58.37	-11 38.9	2.116	3.044	9.1	19.6
5 31	13 53.32	-1 14.8	1.628	2.462	16.6	19.5	5 31	13 53.30	-11 30.6	2.180	3.033	12.2	19.7
174670	2003 SA ₂₄₉	4 26.5 141°48'		1°3/25.5 18			462531	2008 YE ₁₇₁	4 26.5 156°81'		3°2/28.9 16		
3 22	14 41.85	-14 13.4	1.719	2.557	14.8	20.5	3 22	14 45.92	-23 46.0	1.764	2.565	16.0	22.3
4 1	14 37.08	-13 16.9	1.647	2.564	11.1	20.3	4 1	14 40.35	-23 45.7	1.685	2.572	12.7	22.1
4 11	14 30.05	-12 8.2	1.598	2.570	6.9	20.1	4 11	14 32.23	-23 28.0	1.627	2.578	8.8	21.9
4 21	14 21.51	-10 52.1	1.575	2.577	2.5	19.8	4 21	14 22.35	-22 52.8	1.594	2.584	4.9	21.7
5 1	14 12.50	-9 35.2	1.580	2.582	2.9	19.9	5 1	14 11.83	-22 3.0	1.588	2.588	3.4	21.6
5 11	14 4.11	-8 24.9	1.612	2.588	7.3	20.1	5 11	14 1.95	-21 4.4	1.609	2.593	6.5	21.8
5 21	13 57.26	-7 27.4	1.669	2.593	11.4	20.4	5 21	13 53.74	-20 4.1	1.657	2.596	10.4	22.0
5 31	13 52.58	-6 46.6	1.749	2.597	15.0	20.6	5 31	13 47.95	-19 9.3	1.727	2.599	14.0	22.3
495943	2006 RE ₉₆	4 26.5 187°55'		1°0/27.3 17			498511	2008 DK ₅₆	4 26.5 93°43'		2°6/28.6 17		
3 22	14 43.94	-18 17.8	2.055	2.869	13.6	22.4	3 22	14 44.46	-21 42.9	2.451	3.242	12.3	21.2

EPHEMERIDES

4 26.5

4 26.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
270358	2001 YN ₅₄		4 26.5 111°56	0°7/27.6	18		61335	2000 OT ₅₉		4 26.5 193°55	7°4/19.3	17	
3 22	14 35.74	-18 38.8	3.750	4.550	8.3	22.5	3 22	14 39.95	+ 4 22.5	1.978	2.824	12.8	19.6
4 1	14 31.38	-18 22.0	3.675	4.568	6.3	22.4	4 1	14 35.38	+ 5 53.0	1.914	2.823	10.2	19.4
4 11	14 25.99	-17 58.6	3.626	4.585	4.1	22.3	4 11	14 28.90	+ 7 19.4	1.874	2.822	8.1	19.3
4 21	14 19.98	-17 29.7	3.605	4.602	1.8	22.1	4 21	14 21.14	+ 8 34.3	1.860	2.820	7.5	19.2
5 1	14 13.77	-16 57.4	3.615	4.619	1.1	22.1	5 1	14 12.95	+ 9 30.8	1.873	2.818	8.7	19.3
5 11	14 7.85	-16 24.0	3.655	4.636	3.3	22.3	5 11	14 5.25	+10 4.3	1.911	2.816	11.1	19.4
5 21	14 2.61	-15 51.9	3.723	4.652	5.5	22.4	5 21	13 58.80	+10 13.5	1.972	2.813	13.7	19.6
5 31	13 58.38	-15 23.6	3.818	4.668	7.5	22.6	5 31	13 54.19	+ 9 59.3	2.052	2.811	16.1	19.8
300894	2008 BB ₁₈		4 26.5 118°08	5°4/ 2.3	17		433602	2013 YE ₆₆		4 26.5 135°86	3°1/23.9	18	
3 22	14 42.91	-33 42.7	2.720	3.451	12.7	21.5	3 22	14 42.09	- 4 51.7	2.271	3.108	11.7	21.2
4 1	14 37.39	-34 6.7	2.639	3.466	10.7	21.4	4 1	14 36.72	- 4 26.5	2.200	3.115	8.8	21.0
4 11	14 30.06	-34 14.3	2.580	3.480	8.5	21.2	4 11	14 29.62	- 4 0.3	2.154	3.122	5.7	20.8
4 21	14 21.51	-34 4.4	2.546	3.494	6.5	21.1	4 21	14 21.38	- 3 36.5	2.135	3.129	3.3	20.7
5 1	14 12.54	-33 37.5	2.540	3.507	5.4	21.1	5 1	14 12.78	- 3 18.9	2.145	3.136	4.1	20.7
5 11	14 4.01	-32 56.4	2.561	3.520	6.0	21.1	5 11	14 4.64	- 3 10.4	2.183	3.142	7.0	20.9
5 21	13 56.67	-32 5.6	2.609	3.533	7.8	21.3	5 21	13 57.65	- 3 13.0	2.248	3.148	10.0	21.1
5 31	13 51.06	-31 10.7	2.683	3.545	9.9	21.4	5 31	13 52.35	- 3 27.6	2.335	3.154	12.7	21.3
469161	2015 HZ ₅₉		4 26.5 229°07	2°5/29.1	17		499516	2010 PU ₂₄		4 26.5 264°76	0°2/26.7	17	
3 22	14 39.24	-24 6.5	2.449	3.241	12.3	21.4	3 22	14 43.30	-16 29.9	1.722	2.552	15.1	22.0
4 1	14 34.74	-23 53.1	2.353	3.235	9.8	21.2	4 1	14 38.66	-16 5.2	1.620	2.530	11.7	21.7
4 11	14 28.46	-23 25.8	2.279	3.228	6.8	21.0	4 11	14 31.42	-15 26.6	1.539	2.507	7.5	21.4
4 21	14 20.96	-22 45.1	2.233	3.221	3.9	20.8	4 21	14 22.21	-14 36.1	1.483	2.483	2.8	21.0
5 1	14 12.97	-21 53.5	2.214	3.214	2.6	20.7	5 1	14 12.03	-13 38.1	1.454	2.459	2.2	20.9
5 11	14 5.34	-20 55.3	2.224	3.207	5.0	20.9	5 11	14 2.14	-12 39.2	1.453	2.435	7.2	21.2
5 21	13 58.78	-19 55.6	2.262	3.200	8.1	21.1	5 21	13 53.68	-11 46.2	1.477	2.409	12.0	21.4
5 31	13 53.88	-18 59.5	2.324	3.192	11.1	21.2	5 31	13 47.55	-11 5.2	1.522	2.384	16.1	21.6
351340	2004 YC ₅		4 26.5 283°47	8°1/29.9	16		203724	2002 QY ₂₁		4 26.5 323°62	5°8/21.9	17	
3 22	14 59.02	-31 36.8	1.753	2.500	18.1	22.2	3 22	14 37.40	- 2 20.5	1.601	2.464	14.4	19.8
4 1	14 52.11	-32 28.8	1.605	2.447	15.6	21.9	4 1	14 34.05	- 1 15.9	1.520	2.447	11.1	19.5
4 11	14 41.07	-33 3.2	1.477	2.391	12.5	21.6	4 11	14 28.38	- 0 9.2	1.463	2.432	7.8	19.3
4 21	14 26.14	-33 11.7	1.372	2.333	9.5	21.3	4 21	14 21.05	+ 0 52.5	1.429	2.416	5.9	19.2
5 1	14 8.41	-32 47.2	1.294	2.272	8.1	21.0	5 1	14 13.02	+ 1 41.6	1.421	2.401	7.3	19.2
5 11	13 49.78	-31 47.8	1.244	2.208	10.4	21.0	5 11	14 5.41	+ 2 11.6	1.438	2.387	10.7	19.4
5 21	13 32.43	-30 19.6	1.221	2.142	14.9	21.0	5 21	13 59.22	+ 2 19.2	1.477	2.374	14.4	19.5
5 31	13 18.29	-28 35.7	1.221	2.073	19.9	21.1	5 31	13 55.18	+ 2 3.6	1.535	2.361	17.8	19.7
18750	Leonidakimov		4 26.5 301°82	3°7/23.9	18		83737	2001 TA ₁₂₅		4 26.5 281°22	5°2/30.9	18	
3 22	14 40.34	- 6 52.5	1.627	2.482	14.7	18.8	3 22	14 41.43	-29 29.4	2.207	2.977	14.2	18.7
4 1	14 36.43	- 6 13.2	1.531	2.456	11.2	18.5	4 1	14 36.81	-29 55.1	2.110	2.969	11.7	18.5
4 11	14 30.00	- 5 28.2	1.457	2.430	7.3	18.2	4 11	14 30.00	-30 4.3	2.035	2.960	9.0	18.3
4 21	14 21.66	- 4 42.3	1.407	2.404	4.0	17.9	4 21	14 21.62	-29 55.4	1.984	2.952	6.4	18.1
5 1	14 12.39	- 4 2.0	1.384	2.378	5.1	17.9	5 1	14 12.54	-29 28.8	1.959	2.944	5.2	18.0
5 11	14 3.41	- 3 33.5	1.386	2.352	9.3	18.1	5 11	14 3.81	-28 47.7	1.962	2.935	6.5	18.1
5 21	13 55.81	- 3 21.4	1.411	2.327	13.7	18.3	5 21	13 56.34	-27 57.2	1.991	2.927	9.2	18.2
5 31	13 50.49	- 3 28.3	1.457	2.302	17.6	18.4	5 31	13 50.86	-27 3.9	2.044	2.919	12.1	18.4
364150	2006 FK ₄₉		4 26.5 18°63	4°0/25.8	18		372435	2009 SE ₄₉		4 26.5 194°89	4°7/30.9	17	
3 22	14 58.69	- 0 37.9	1.193	2.036	19.6	19.8	3 22	14 44.06	-29 59.5	2.337	3.096	13.8	21.9
4 1	14 50.94	- 1 45.1	1.124	2.040	15.2	19.5	4 1	14 38.59	-30 8.9	2.241	3.094	11.4	21.7
4 11	14 39.40	- 3 3.9	1.075	2.044	10.0	19.3	4 11	14 31.01	-30 1.1	2.168	3.091	8.6	21.5
4 21	14 25.08	- 4 35.5	1.052	2.048	5.0	19.0	4 21	14 21.95	-29 34.9	2.119	3.087	6.0	21.3
5 1	14 9.71	- 6 18.2	1.055	2.054	5.1	19.0	5 1	14 12.30	-28 51.4	2.098	3.083	4.7	21.3
5 11	13 55.28	- 8 8.7	1.086	2.060	10.2	19.3	5 11	14 3.06	-27 54.2	2.105	3.078	6.1	21.3
5 21	13 43.43	-10 2.8	1.141	2.067	15.3	19.6	5 21	13 55.10	-26 49.3	2.139	3.073	8.7	21.5
5 31	13 35.19	-11 58.0	1.218	2.075	19.6	19.9	5 31	13 49.11	-25 43.2	2.199	3.067	11.6	21.7
132728	2002 PF ₁₈		4 26.5 260°56	1°4/27.8	17		333746	2010 AJ ₄₆		4 26.5 231°64	3°3/29.3	17	
3 22	14 39.94	-19 58.0	2.143	2.957	13.1	20.8	3 22	14 41.48	-24 41.8	2.062	2.858	14.2	21.2
4 1	14 35.53	-19 41.1	2.045	2.944	10.2	20.6	4 1	14 36.81	-24 41.3	1.970	2.852	11.3	20.9
4 11	14 29.10	-19 11.2	1.970	2.931	6.8	20.3	4 11	14 29.97	-24 25.0	1.899	2.847	8.0	20.7
4 21	14 21.25	-18 29.6	1.921	2.918	3.1	20.1	4 21	14 21.59	-23 52.7	1.854	2.841	4.7	20.5
5 1	14 12.78	-17 39.2	1.901	2.905	1.9	19.9	5 1	14 12.59	-23 6.7	1.836	2.835	3.3	20.4
5 11	14 4.66	-16 45.1	1.908	2.892	5.6	20.2	5 11	14 4.00	-22 11.5	1.846	2.829	5.8	20.6
5 21	13 57.71	-15 52.5	1.942	2.878	9.3	20.4	5 21	13 56.72	-21 13.1	1.882	2.822	9.3	20.7
5 31	13 52.60	-15 6.8	1.999	2.864	12.7	20.5	5 31	13 51.46	-20 18.0	1.942	2.816	12.6	20.9
470554	2008 FC ₂		4 26.5 103°84	5°3/19.8	17		459436	2012 TV ₈₁		4 26.5 252°56	0°1/26.7	17	
3 22	14 37.32	+ 1 25.4	2.584	3.425	10.3	21.4	3 22	14 31.81	-15 39.3	4.605	5.415	6.7	21.7
4 1	14 32.88	+ 3 0.2	2.533	3.443	8.0	21.3	4 1	14 28.39	-15 21.8	4.507	5.408	5.0	21.6
4 11	14 27.06	+ 4 32.8	2.508	3.461	6.1	21.2	4 11	14 24.15	-14 59.6	4.436	5.401	3.2	21.4
4 21	14 20.41	+ 5 57.4	2.512	3.478	5.4	21.1	4 21	14 19.37	-14 34.1	4.393	5.393	1.2	21.2
5 1	14 13.55	+ 7 8.7	2.544	3.495	6.4	21.2	5 1	14 14.40	-14 6.9	4.381	5.386	0.9	21.2
5 11	14 7.11	+ 8 3.0	2.604	3.512	8.4	21.4	5 11	14 9.58	-13 39.7	4.399	5.379	2.9	21.4
5 21	14 1.65	+ 8 38.5	2.689	3.528	10.5	21.6	5 21	14 5.23	-13 14.5	4.446	5.371	4.8	21.5
5 31	13 57.56	+ 8 55.2	2.795	3.544	12.4	21.7	5 31	14 1.64	-12 52.7	4.519	5.364	6.5	21.6
372895	2011 AE ₂₆		4 26.5 119°23	1°4/25.6	17		390497	2014 AZ ₄₄		4 26.5 195°12	0°4/26.2	17	
3 22	14 43.39	-11 15.0	1.793</										

EPHEMERIDES

4 26.5

4 26.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
93470	2000 TW ₁₁		4 26.5	8°43	2°2/27.8	18	247804	2003 SS ₉₀		4 26.6	258°77	3°8/23.8	18
3 22	14 44.06	-18 23.6	1.604	2.432	16.1	19.1	3 22	14 43.75	-6 30.9	1.779	2.623	14.1	20.8
4 1	14 39.21	-18 52.9	1.527	2.433	12.6	18.9	4 1	14 38.80	-5 43.3	1.683	2.602	10.8	20.6
4 11	14 31.70	-19 10.8	1.470	2.434	8.4	18.6	4 11	14 31.41	-4 50.0	1.609	2.580	7.0	20.3
4 21	14 22.27	-19 17.0	1.438	2.435	4.0	18.4	4 21	14 22.21	-3 56.1	1.562	2.557	4.0	20.1
5 1	14 12.05	-19 13.0	1.433	2.436	2.7	18.3	5 1	14 12.17	-3 7.8	1.542	2.534	5.2	20.1
5 11	14 2.38	-19 2.7	1.453	2.438	6.8	18.6	5 11	14 2.43	-2 31.3	1.549	2.510	9.0	20.3
5 21	13 54.38	-18 50.8	1.499	2.441	11.1	18.8	5 21	13 54.04	-2 11.1	1.580	2.485	13.1	20.4
5 31	13 48.88	-18 42.4	1.566	2.443	14.9	19.0	5 31	13 47.82	-2 9.6	1.633	2.460	16.8	20.6
24573	2237 T ₋₁		4 26.5	132°52	1°7/27.7	18	417954	2007 TY ₆₉		4 26.6	270°44	0°5/26.2	17
3 22	14 45.91	-18 47.4	1.752	2.570	15.4	19.6	3 22	14 42.69	-15 28.6	1.599	2.437	15.7	21.7
4 1	14 40.29	-18 54.9	1.677	2.579	11.9	19.4	4 1	14 38.37	-14 55.2	1.499	2.415	12.1	21.4
4 11	14 32.20	-18 49.9	1.625	2.586	7.9	19.2	4 11	14 31.34	-14 7.3	1.421	2.392	7.7	21.1
4 21	14 22.40	-18 33.0	1.597	2.594	3.6	18.9	4 21	14 22.24	-13 7.5	1.368	2.369	2.8	20.7
5 1	14 12.00	-18 7.0	1.597	2.601	2.3	18.9	5 1	14 12.13	-12 1.3	1.341	2.345	2.6	20.7
5 11	14 2.21	-17 36.5	1.624	2.608	6.4	19.1	5 11	14 2.34	-10 56.2	1.340	2.321	7.8	20.9
5 21	13 54.04	-17 7.0	1.677	2.614	10.5	19.4	5 21	13 54.05	-9 59.7	1.364	2.297	12.8	21.1
5 31	13 48.22	-16 43.4	1.753	2.621	14.1	19.6	5 31	13 48.23	-9 18.2	1.409	2.272	17.1	21.3
174565	2003 HC		4 26.5	356°37	2°7/23.9	17	497327	2005 TW ₁₅₆		4 26.6	239°26	2°7/28.4	17
3 22	14 35.13	-10 11.6	1.836	2.689	13.3	19.3	3 22	14 44.39	-21 27.9	1.962	2.767	14.5	22.6
4 1	14 31.97	-9 3.8	1.761	2.686	9.9	19.1	4 1	14 39.18	-21 42.0	1.866	2.757	11.4	22.4
4 11	14 26.86	-7 47.3	1.709	2.684	6.2	18.9	4 11	14 31.60	-21 43.1	1.793	2.747	7.9	22.1
4 21	14 20.45	-6 27.9	1.684	2.683	3.0	18.7	4 21	14 22.26	-21 30.9	1.745	2.737	4.2	21.9
5 1	14 13.57	-5 12.4	1.686	2.682	4.1	18.7	5 1	14 12.14	-21 6.7	1.724	2.726	2.9	21.8
5 11	14 7.16	-4 7.5	1.714	2.681	7.8	19.0	5 11	14 2.38	-20 34.6	1.732	2.715	6.1	21.9
5 21	14 2.00	-3 18.1	1.767	2.681	11.4	19.2	5 21	13 53.98	-19 59.7	1.765	2.703	10.0	22.1
5 31	13 58.67	-2 47.2	1.841	2.682	14.6	19.4	5 31	13 47.74	-19 27.8	1.822	2.691	13.6	22.3
522564	2016 EY ₂₄₃		4 26.6	57°26	2°2/24.9	17	299984	2006 TC ₁₂₆		4 26.6	200°84	0°2/26.7	16
3 22	14 40.73	-11 17.0	1.547	2.398	15.5	21.9	3 22	14 39.24	-15 59.2	2.862	3.674	10.2	23.3
4 1	14 36.50	-10 29.4	1.479	2.402	11.6	21.7	4 1	14 34.43	-15 39.8	2.769	3.670	7.8	23.1
4 11	14 29.84	-9 32.2	1.432	2.407	7.2	21.4	4 11	14 28.16	-15 12.8	2.701	3.666	4.9	22.9
4 21	14 21.55	-8 30.8	1.411	2.411	3.0	21.2	4 21	14 20.90	-14 39.9	2.661	3.661	1.8	22.7
5 1	14 12.71	-7 31.7	1.416	2.416	3.8	21.2	5 1	14 13.27	-14 3.6	2.651	3.656	1.4	22.6
5 11	14 4.51	-6 42.0	1.446	2.421	8.2	21.5	5 11	14 5.93	-13 27.4	2.671	3.650	4.5	22.8
5 21	13 57.93	-6 6.9	1.501	2.425	12.4	21.7	5 21	13 59.47	-12 54.4	2.719	3.644	7.5	23.0
5 31	13 53.65	-5 49.3	1.577	2.430	16.1	22.0	5 31	13 54.35	-12 27.6	2.792	3.638	10.1	23.2
175988	2000 QL ₇₉		4 26.6	172°42	5°4/19.2	18	276956	2004 TY ₃₁₄		4 26.6	130°71	1°8/27.9	17
3 22	14 37.01	+3 44.7	2.889	3.725	9.5	20.6	3 22	14 42.78	-19 37.5	1.933	2.748	14.3	21.4
4 1	14 32.62	+5 10.3	2.823	3.727	7.5	20.5	4 1	14 37.79	-19 41.3	1.852	2.751	11.1	21.2
4 11	14 26.93	+6 33.4	2.785	3.730	5.9	20.3	4 11	14 30.58	-19 32.8	1.794	2.754	7.4	21.0
4 21	14 20.41	+7 48.6	2.774	3.732	5.4	20.3	4 21	14 21.84	-19 12.7	1.761	2.757	3.5	20.8
5 1	14 13.62	+8 51.5	2.793	3.733	6.4	20.4	5 1	14 12.53	-18 43.6	1.756	2.760	2.3	20.7
5 11	14 7.16	+9 38.4	2.838	3.735	8.2	20.5	5 11	14 3.70	-18 9.9	1.779	2.763	5.9	20.9
5 21	14 1.53	+10 7.9	2.909	3.735	10.2	20.6	5 21	13 56.28	-17 36.6	1.828	2.766	9.7	21.2
5 31	13 57.14	+10 19.7	3.001	3.736	12.0	20.8	5 31	13 50.95	-17 8.6	1.900	2.768	13.1	21.4
416287	2003 QK ₃₄		4 26.6	261°89	7°0/30.8	17	238872	2005 XN ₅₆		4 26.6	119°56	1°0/26.0	18
3 22	14 46.76	-30 12.9	1.716	2.492	17.4	21.1	3 22	14 48.09	-11 54.8	1.484	2.323	16.6	20.6
4 1	14 41.74	-31 0.5	1.614	2.475	14.6	20.8	4 1	14 42.19	-11 51.4	1.417	2.334	12.6	20.3
4 11	14 33.65	-31 29.1	1.532	2.457	11.4	20.6	4 11	14 33.51	-11 40.3	1.372	2.344	7.9	20.1
4 21	14 23.13	-31 34.4	1.473	2.439	8.4	20.4	4 21	14 22.93	-11 24.1	1.352	2.353	2.8	19.8
5 1	14 11.35	-31 14.4	1.438	2.420	7.0	20.2	5 1	14 11.72	-11 6.7	1.359	2.362	2.8	19.8
5 11	13 59.84	-30 32.1	1.430	2.401	8.6	20.3	5 11	14 1.28	-10 53.1	1.392	2.371	7.8	20.1
5 21	13 50.01	-29 34.2	1.446	2.382	11.9	20.4	5 21	13 52.74	-10 47.5	1.449	2.380	12.3	20.4
5 31	13 42.95	-28 30.2	1.484	2.362	15.6	20.6	5 31	13 46.85	-10 52.9	1.528	2.388	16.2	20.7
3978	Klepešta		4 26.6	117°25	2°6/29.1	18	125184	2001 US ₁₁₇		4 26.6	316°22	0°7/26.2	18
3 22	14 38.93	-24 46.0	2.087	2.886	13.9	16.5	3 22	14 41.72	-12 34.2	1.475	2.325	16.2	18.8
4 1	14 34.77	-24 18.2	2.000	2.886	11.0	16.3	4 1	14 37.76	-12 35.6	1.386	2.308	12.4	18.6
4 11	14 28.60	-23 33.0	1.936	2.887	7.7	16.1	4 11	14 31.01	-12 28.9	1.318	2.291	7.9	18.3
4 21	14 21.10	-22 31.7	1.897	2.887	4.2	15.9	4 21	14 22.14	-12 16.0	1.273	2.275	2.9	17.9
5 1	14 13.11	-21 18.0	1.886	2.888	2.7	15.8	5 1	14 12.26	-12 0.8	1.254	2.259	2.7	17.8
5 11	14 5.61	-19 57.8	1.903	2.888	5.5	15.9	5 11	14 2.77	-11 48.2	1.261	2.244	7.9	18.1
5 21	13 59.39	-18 38.1	1.947	2.888	9.0	16.2	5 21	13 54.89	-11 42.9	1.291	2.229	12.8	18.4
5 31	13 55.06	-17 25.1	2.015	2.889	12.3	16.4	5 31	13 49.57	-11 48.8	1.341	2.215	17.1	18.6
54726	2001 KU ₉		4 26.6	251°38	2°2/24.8	18	413698	2005 YS ₂₃		4 26.6	85°81	8°8/19.8	18
3 22	14 43.18	-9 50.5	2.024	2.858	13.0	20.0	3 22	14 42.97	+8 56.6	1.832	2.671	14.0	21.0
4 1	14 38.09	-9 14.6	1.923	2.838	9.9	19.7	4 1	14 37.63	+10 4.5	1.787	2.686	11.5	20.9
4 11	14 30.82	-8 31.7	1.846	2.817	6.3	19.5	4 11	14 30.27	+11 1.8	1.765	2.700	9.5	20.8
4 21	14 21.96	-7 45.2	1.796	2.796	2.7	19.2	4 21	14 21.66	+11 41.6	1.768	2.715	8.8	20.8
5 1	14 12.37	-7 0.0	1.775	2.774	3.5	19.2	5 1	14 12.77	+11 58.5	1.796	2.729	9.8	20.9
5 11	14 3.06	-6 21.3	1.782	2.751	7.4	19.4	5 11	14 4.57	+11 50.4	1.848	2.744	11.9	21.0
5 21	13 54.94	-5 53.4	1.814	2.727	11.3	19.6	5 21	13 57.85	+11 18.3	1.923	2.758	14.3	21.2
5 31	13 48.76	-5 39.6	1.869	2.703	14.7	19.7	5 31	13 53.14	+10 25.0	2.016	2.772	16.4	21.4
377402	2004 SC ₅₃		4 26.6	231°51	1°4/27.7	17	171537	1999 RZ ₆₅		4 26.6	196°37	1°3/27.6	17
3 22	14 41.60	-19 27.7	2.069	2.883	13.5	21.5							

EPHEMERIDES

4 26.6

4 26.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
44856	1999 <i>UH</i> ₆		4 26.6 238°63	0°1/26.6 17			19809	Nancyowen		4 26.6 35°74	4°8/23.3 18		
3 22	14 43.03	-16 19.0	1.904	2.729	14.1	20.3	3 22	14 41.30	-6 0.5	1.393	2.255	16.2	18.6
4 1	14 38.11	-15 49.9	1.807	2.715	10.8	20.0	4 1	14 37.17	-4 56.2	1.328	2.257	12.3	18.3
4 11	14 30.90	-15 8.1	1.734	2.701	6.9	19.8	4 11	14 30.40	-3 46.7	1.286	2.259	8.0	18.1
4 21	14 22.02	-14 16.3	1.686	2.686	2.6	19.5	4 21	14 21.84	-2 39.4	1.267	2.261	5.0	17.9
5 1	14 12.40	-13 18.5	1.666	2.671	2.0	19.4	5 1	14 12.67	-1 42.8	1.273	2.263	6.3	18.0
5 11	14 3.15	-12 20.9	1.674	2.655	6.6	19.6	5 11	14 4.20	-1 3.8	1.305	2.266	10.3	18.2
5 21	13 55.24	-11 29.5	1.708	2.638	10.8	19.8	5 21	13 57.48	-0 46.5	1.358	2.269	14.5	18.5
5 31	13 49.43	-10 49.4	1.766	2.621	14.5	20.0	5 31	13 53.25	-0 51.8	1.431	2.272	18.1	18.7
61064	2000 <i>LW</i> ₄		4 26.6 291°02	3°9/23.8 17			136262	2003 <i>YV</i> ₆₄		4 26.6 102°38	0°4/26.3 18		
3 22	14 40.33	-8 59.8	1.375	2.237	16.4	18.4	3 22	14 43.65	-15 1.9	1.688	2.521	15.2	20.1
4 1	14 36.83	-7 56.4	1.286	2.215	12.5	18.1	4 1	14 38.48	-14 32.1	1.623	2.536	11.5	19.9
4 11	14 30.49	-6 41.3	1.218	2.193	8.1	17.8	4 11	14 31.00	-13 51.0	1.581	2.550	7.2	19.7
4 21	14 21.97	-5 21.2	1.173	2.171	4.2	17.5	4 21	14 22.01	-13 2.2	1.564	2.565	2.5	19.4
5 1	14 12.42	-4 4 5.0	1.154	2.149	5.7	17.5	5 1	14 12.57	-12 10.7	1.574	2.579	2.3	19.4
5 11	14 3.26	-3 2 3	1.159	2.128	10.5	17.7	5 11	14 3.84	-11 22.7	1.612	2.592	6.8	19.7
5 21	13 55.76	-2 20.3	1.186	2.106	15.4	17.9	5 21	13 56.72	-10 43.6	1.675	2.605	10.9	20.0
5 31	13 50.88	-2 3.0	1.232	2.084	19.7	18.1	5 31	13 51.85	-10 17.2	1.760	2.618	14.4	20.2
299926	2006 <i>TE</i> ₁₁		4 26.6 140°20	1°0/27.7 17			364667	2007 <i>TA</i> ₂₉₈		4 26.6 68°09	2°2/27.8 17		
3 22	14 38.22	-19 55.3	2.440	3.250	11.8	20.6	3 22	14 45.79	-18 50.8	1.433	2.264	17.6	20.6
4 1	14 33.88	-19 24.9	2.356	3.254	9.1	20.4	4 1	14 40.72	-19 9.3	1.364	2.272	13.6	20.3
4 11	14 27.91	-18 42.6	2.296	3.257	6.0	20.2	4 11	14 32.75	-19 13.8	1.316	2.280	9.1	20.1
4 21	14 20.84	-17 50.6	2.263	3.261	2.6	20.0	4 21	14 22.73	-19 4.4	1.291	2.288	4.3	19.8
5 1	14 13.41	-16 52.2	2.259	3.264	1.6	19.9	5 1	14 11.97	-18 43.8	1.292	2.296	2.8	19.8
5 11	14 6.37	-15 52.1	2.284	3.267	4.8	20.2	5 11	14 1.94	-18 17.3	1.319	2.304	7.2	20.0
5 21	14 0.40	-14 55.1	2.336	3.270	8.1	20.4	5 21	13 53.86	-17 51.0	1.369	2.313	11.8	20.3
5 31	13 55.99	-14 5.6	2.413	3.273	11.0	20.6	5 31	13 48.53	-17 31.1	1.442	2.321	15.8	20.6
519308	2011 <i>EJ</i> ₆₂		4 26.6 280°14	6°6/21.2 17			147730	2005 <i>MO</i> ₃₈		4 26.6 276°90	0°1/26.5 18		
3 22	14 40.72	+ 1 21.3	1.826	2.676	13.5	21.2	3 22	14 38.94	-15 21.0	2.277	3.102	12.1	21.2
4 1	14 36.31	+ 2 24.9	1.744	2.660	10.6	21.0	4 1	14 34.67	-14 58.9	2.178	3.087	9.2	21.0
4 11	14 29.72	+ 3 27.0	1.685	2.644	7.9	20.8	4 11	14 28.57	-14 27.6	2.103	3.071	5.8	20.7
4 21	14 21.58	+ 4 20.8	1.652	2.628	6.6	20.7	4 21	14 21.16	-13 49.0	2.055	3.056	2.1	20.4
5 1	14 12.79	+ 4 59.5	1.644	2.611	7.8	20.7	5 1	14 13.18	-13 6.7	2.035	3.040	1.8	20.4
5 11	14 4.38	+ 5 18.1	1.663	2.595	10.7	20.9	5 11	14 5.50	-12 24.9	2.043	3.024	5.6	20.6
5 21	13 57.28	+ 5 14.4	1.704	2.578	14.0	21.0	5 21	13 58.85	-11 48.0	2.078	3.008	9.2	20.8
5 31	13 52.18	+ 4 48.5	1.765	2.562	16.9	21.2	5 31	13 53.88	-11 19.8	2.137	2.992	12.4	21.0
424053	2007 <i>BE</i> ₆₃		4 26.6 174°12	0°1/26.5 17			207419	2006 <i>DG</i> ₅₉		4 26.6 325°84	2°7/27.9 17		
3 22	14 42.76	-15 38.4	2.260	3.077	12.4	22.5	3 22	14 40.20	-19 16.9	1.188	2.039	19.2	20.3
4 1	14 37.39	-15 9.8	2.176	3.081	9.4	22.3	4 1	14 37.32	-19 36.6	1.105	2.023	15.1	20.0
4 11	14 30.16	-14 31.5	2.117	3.084	5.9	22.0	4 11	14 31.11	-19 40.0	1.040	2.008	10.3	19.7
4 21	14 21.68	-13 46.1	2.085	3.085	2.1	21.8	4 21	14 22.30	-19 26.4	0.996	1.994	5.0	19.3
5 1	14 12.76	-12 57.2	2.082	3.087	1.8	21.8	5 1	14 12.21	-18 58.2	0.976	1.980	3.3	19.2
5 11	14 4.28	-12 9.6	2.109	3.087	5.6	22.0	5 11	14 2.59	-18 21.8	0.978	1.968	8.4	19.4
5 21	13 56.98	-11 27.6	2.162	3.087	9.1	22.2	5 21	13 54.98	-17 45.2	1.002	1.956	13.9	19.7
5 31	13 51.46	-10 55.1	2.240	3.087	12.2	22.4	5 31	13 50.52	-17 16.6	1.045	1.945	18.8	19.9
98480	2000 <i>UR</i> ₁₀₀		4 26.6 164°78	2°7/28.7 18			450806	2007 <i>TP</i> ₄₅₁		4 26.6 217°40	2°1/29.9 17		
3 22	14 43.86	-23 18.0	1.750	2.557	15.9	19.9	3 22	14 35.19	-26 0.1	4.227	4.992	8.0	22.5
4 1	14 38.85	-23 2.8	1.669	2.561	12.5	19.7	4 1	14 31.06	-25 45.9	4.120	4.983	6.4	22.4
4 11	14 31.37	-22 29.5	1.609	2.564	8.6	19.5	4 11	14 25.92	-25 22.7	4.038	4.974	4.6	22.2
4 21	14 22.17	-21 38.8	1.574	2.567	4.5	19.2	4 21	14 20.11	-24 50.9	3.984	4.964	2.9	22.1
5 1	14 12.36	-20 34.5	1.566	2.569	2.9	19.1	5 1	14 14.05	-24 12.0	3.960	4.954	2.1	22.0
5 11	14 3.15	-19 23.3	1.586	2.571	6.4	19.3	5 11	14 8.18	-23 28.2	3.965	4.944	3.2	22.1
5 21	13 55.55	-18 12.7	1.631	2.572	10.5	19.6	5 21	14 2.90	-22 42.0	4.001	4.934	5.1	22.2
5 31	13 50.30	-17 9.9	1.700	2.573	14.2	19.8	5 31	13 58.55	-21 56.3	4.063	4.923	6.9	22.3
422572	2014 <i>TC</i> ₄₉		4 26.6 155°14	3°3/24.3 16			368214	2001 <i>RR</i> ₄₂		4 26.6 182°44	0°4/26.9 17		
3 22	14 44.26	-6 44.3	1.772	2.615	14.2	21.8	3 22	14 42.14	-17 6.7	2.004	2.825	13.6	21.8
4 1	14 38.89	-6 11.8	1.700	2.619	10.7	21.6	4 1	14 37.20	-16 40.4	1.920	2.826	10.4	21.6
4 11	14 31.27	-5 35.9	1.652	2.623	6.9	21.4	4 11	14 30.18	-16 2.3	1.860	2.826	6.7	21.4
4 21	14 22.12	-5 0.9	1.630	2.626	3.6	21.2	4 21	14 21.74	-15 14.7	1.826	2.826	2.5	21.1
5 1	14 12.44	-4 32.0	1.635	2.630	4.5	21.3	5 1	14 12.77	-14 21.7	1.820	2.825	1.8	21.1
5 11	14 3.34	-4 13.7	1.667	2.632	8.1	21.5	5 11	14 4.27	-13 28.7	1.842	2.824	6.0	21.4
5 21	13 55.73	-4 8.9	1.724	2.635	11.9	21.7	5 21	13 57.09	-12 41.2	1.891	2.823	9.8	21.6
5 31	13 50.28	-4 19.1	1.803	2.637	15.2	21.9	5 31	13 51.88	-12 3.5	1.963	2.821	13.2	21.8
171870	2001 <i>QJ</i> ₁₂₅		4 26.6 137°95	1°1/25.4 17			300713	2007 <i>VQ</i> ₁₁₅		4 26.6 158°93	0°6/27.2 18		
3 22	14 39.90	-11 21.1	2.933	3.754	9.8	21.1	3 22	14 38.72	-18 46.5	2.411	3.224	11.9	21.2
4 1	14 34.75	-10 52.7	2.860	3.768	7.3	21.0	4 1	14 34.27	-18 8.8	2.327	3.228	9.1	21.0
4 11	14 28.27	-10 19.5	2.813	3.781	4.5	20.8	4 11	14 28.17	-17 19.5	2.267	3.231	5.8	20.8
4 21	14 20.95	-9 44.1	2.794	3.794	1.7	20.6	4 21	14 20.96	-16 21.1	2.235	3.234	2.4	20.6
5 1	14 13.38	-9 9.2	2.806	3.807	2.0	20.7	5 1	14 13.39	-15 17.3	2.231	3.236	1.5	20.5
5 11	14 6.18	-8 38.1	2.848	3.819	4.8	20.9	5 11	14 6.23	-14 13.1	2.257	3.239	5.0	20.7
5 21	13 59.87	-8 13.2	2.917	3.830	7.5	21.1	5 21	14 0.14	-13 13.5	2.310	3.241	8.3	20.9
5 31	13 54.87	-7 56.6	3.012	3.841	9.8	21.3	5 31	13 55.63	-12 22.6	2.387	3.243	11.2	21.1
429615	2011 <i>FO</i> ₂₂		4 26.6 157°62	1°1/25.7 17			11727	Sweet		4 26.6 201°89	1°2/27.4 18		
3													

EPHEMERIDES

4 26.6

4 26.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
124643	2001 SQ ₆₈	4 26.6 212°97'		2.3/24.5 18		R	199633	2006 GF ₃	4 26.6 326°77'		5.6/22.8 17		
3 22	14 41.64	- 9 25.7	2.199	3.032	12.1	20.8	3 22	14 39.77	- 1 35.3	1.592	2.452	14.7	19.7
4 1	14 36.64	- 8 39.5	2.110	3.025	9.1	20.6	4 1	14 35.92	- 0 55.1	1.512	2.437	11.3	19.4
4 11	14 29.76	- 7 47.0	2.047	3.017	5.8	20.4	4 11	14 29.65	- 0 15.3	1.454	2.422	7.9	19.2
4 21	14 21.58	- 6 52.1	2.011	3.009	2.7	20.2	4 21	14 21.64	+ 0 17.9	1.421	2.409	5.7	19.0
5 1	14 12.90	- 5 59.7	2.004	3.000	3.5	20.2	5 1	14 12.90	+ 0 38.2	1.412	2.395	6.9	19.1
5 11	14 4.59	- 5 14.7	2.025	2.991	6.9	20.4	5 11	14 4.60	+ 0 40.7	1.428	2.383	10.3	19.2
5 21	13 57.42	- 4 41.1	2.073	2.981	10.3	20.6	5 21	13 57.75	+ 0 23.3	1.468	2.371	14.1	19.4
5 31	13 51.99	- 4 21.4	2.143	2.970	13.4	20.8	5 31	13 53.13	- 0 14.0	1.526	2.360	17.5	19.6
335610	2006 EL ₆₃	4 26.6 29°49'		6.2/30.5 17			117405	2005 AY ₉	4 26.6 43°84'		1.7/27.8 17		
3 22	14 45.02	-28 1.9	1.692	2.482	17.1	20.7	3 22	14 41.41	-19 7.7	1.768	2.593	15.0	19.8
4 1	14 40.08	-29 0.0	1.617	2.487	14.0	20.5	4 1	14 36.90	-19 8.7	1.696	2.600	11.6	19.6
4 11	14 32.36	-29 40.3	1.561	2.494	10.7	20.3	4 11	14 30.11	-18 56.9	1.645	2.608	7.7	19.4
4 21	14 22.63	-29 59.9	1.529	2.501	7.6	20.2	4 21	14 21.76	-18 33.3	1.620	2.617	3.5	19.2
5 1	14 12.06	-29 57.8	1.523	2.508	6.2	20.1	5 1	14 12.86	-18 1.1	1.621	2.625	2.2	19.1
5 11	14 2.06	-29 37.4	1.542	2.515	7.8	20.2	5 11	14 4.55	-17 25.3	1.649	2.634	6.1	19.4
5 21	13 53.80	-29 4.9	1.585	2.523	10.9	20.4	5 21	13 57.73	-16 51.2	1.702	2.643	10.1	19.6
5 31	13 48.15	-28 27.7	1.651	2.532	14.1	20.6	5 31	13 53.08	-16 23.8	1.779	2.653	13.6	19.9
308079	2004 TW ₂₉₂	4 26.6 131°98'		1.4/27.6 18			387297	2012 VY ₃	4 26.6 263°10'		5.2/21.7 17		
3 22	14 46.18	-19 12.4	1.767	2.582	15.4	21.6	3 22	14 39.81	- 0 49.8	2.163	3.007	11.9	21.6
4 1	14 40.42	-18 59.0	1.696	2.596	11.9	21.4	4 1	14 35.34	+ 0 12.4	2.075	2.990	9.2	21.4
4 11	14 32.25	-18 31.5	1.647	2.609	7.8	21.2	4 11	14 29.01	+ 1 15.2	2.010	2.972	6.6	21.2
4 21	14 22.49	-17 51.8	1.624	2.621	3.4	21.0	4 21	14 21.36	+ 2 13.1	1.973	2.954	5.2	21.1
5 1	14 12.23	-17 3.6	1.628	2.633	2.1	20.9	5 1	14 13.15	+ 3 0.3	1.963	2.935	6.3	21.1
5 11	14 2.66	-16 12.8	1.661	2.644	6.3	21.2	5 11	14 5.25	+ 3 32.1	1.981	2.917	9.1	21.2
5 21	13 54.72	-15 25.6	1.719	2.654	10.4	21.5	5 21	13 58.43	+ 3 45.7	2.022	2.898	12.1	21.4
5 31	13 49.10	-14 47.3	1.801	2.664	13.9	21.7	5 31	13 53.31	+ 3 40.2	2.085	2.878	14.8	21.5
272375	2005 SZ ₂₁₇	4 26.6 136°34'		0.5/26.1 18			310348	2011 UQ ₂₄₇	4 26.6 61°44'		0.5/26.9 18		
3 22	14 42.38	-14 53.7	2.444	3.260	11.6	22.3	3 22	14 41.96	-17 56.1	1.363	2.206	17.6	20.5
4 1	14 36.85	-14 13.7	2.372	3.276	8.7	22.1	4 1	14 37.80	-17 23.8	1.299	2.216	13.5	20.3
4 11	14 29.69	-13 25.2	2.325	3.292	5.4	22.0	4 11	14 30.86	-16 34.5	1.255	2.226	8.6	20.0
4 21	14 21.50	-12 31.1	2.306	3.307	1.9	21.7	4 21	14 22.06	-15 31.8	1.235	2.236	3.3	19.7
5 1	14 13.02	-11 35.4	2.318	3.321	1.8	21.8	5 1	14 12.66	-14 22.3	1.240	2.246	2.3	19.7
5 11	14 5.04	-10 42.7	2.359	3.335	5.3	22.0	5 11	14 4.07	-13 14.5	1.271	2.256	7.5	20.0
5 21	13 58.19	- 9 56.9	2.428	3.348	8.5	22.2	5 21	13 57.38	-12 16.4	1.325	2.267	12.3	20.3
5 31	13 52.96	- 9 21.2	2.521	3.360	11.2	22.4	5 31	13 53.33	-11 33.6	1.400	2.277	16.4	20.6
351465	2005 NB ₄₀	4 26.6 287°28'		1.2/27.6 17			400025	2006 QK ₂	4 26.6 265°03'		0.5/27.3 18		
3 22	14 39.00	-19 4.0	2.190	3.007	12.8	21.3	3 22	14 35.74	-17 23.2	3.465	4.272	8.7	21.6
4 1	14 34.76	-18 48.9	2.100	3.002	9.9	21.1	4 1	14 31.68	-17 7.2	3.358	4.255	6.7	21.5
4 11	14 28.62	-18 22.1	2.034	2.997	6.5	20.9	4 11	14 26.44	-16 44.3	3.276	4.238	4.3	21.3
4 21	14 21.19	-17 45.2	1.994	2.992	2.9	20.7	4 21	14 20.37	-16 15.6	3.222	4.220	1.8	21.1
5 1	14 13.24	-17 1.1	1.982	2.987	1.8	20.6	5 1	14 13.96	-15 43.2	3.198	4.202	1.1	21.0
5 11	14 5.66	-16 14.5	1.998	2.982	5.4	20.8	5 11	14 7.72	-15 9.6	3.203	4.185	3.7	21.2
5 21	13 59.23	-15 30.2	2.041	2.977	8.9	21.0	5 21	14 2.15	-14 37.6	3.238	4.167	6.3	21.3
5 31	13 54.56	-14 52.7	2.107	2.973	12.1	21.2	5 31	13 57.63	-14 9.7	3.298	4.148	8.6	21.5
433657	2014 BA ₂₃	4 26.6 225°19'		4.0/22.7 17			463131	2011 WX ₁₃	4 26.6 123°71'		0.7/27.1 18		
3 22	14 37.96	- 4 36.1	2.181	3.028	11.8	21.1	3 22	14 45.20	-17 53.6	1.698	2.522	15.6	22.5
4 1	14 33.81	- 3 33.7	2.107	3.026	8.9	20.9	4 1	14 39.73	-17 30.3	1.630	2.536	11.9	22.3
4 11	14 27.93	- 2 28.6	2.057	3.025	5.9	20.7	4 11	14 31.86	-16 53.4	1.583	2.549	7.6	22.1
4 21	14 20.91	- 1 26.0	2.034	3.023	4.0	20.6	4 21	14 22.39	-16 5.2	1.562	2.561	3.0	21.8
5 1	14 13.49	- 0 31.3	2.039	3.022	5.1	20.7	5 1	14 12.43	-15 10.5	1.568	2.574	2.0	21.8
5 11	14 6.47	+ 0 10.6	2.071	3.020	7.9	20.8	5 11	14 3.17	-14 15.7	1.602	2.585	6.5	22.1
5 21	14 0.55	+ 0 37.0	2.128	3.019	10.9	21.0	5 21	13 55.58	-13 27.0	1.662	2.596	10.7	22.4
5 31	13 56.26	+ 0 46.4	2.207	3.017	13.6	21.2	5 31	13 50.32	-12 49.3	1.744	2.607	14.4	22.6
102240	1999 TN ₂₂	4 26.6 344°12'		0.7/26.2 18			122613	2000 RU ₄₈	4 26.6 250°77'		3.6/29.9 18		
3 22	14 39.62	-12 59.0	1.167	2.034	18.4	19.1	3 22	14 42.65	-27 4.5	2.328	3.104	13.4	19.6
4 1	14 36.65	-12 57.3	1.093	2.024	14.1	18.8	4 1	14 37.68	-26 54.4	2.214	3.083	10.9	19.4
4 11	14 30.53	-12 44.9	1.039	2.015	8.9	18.5	4 11	14 30.60	-26 27.3	2.123	3.061	7.9	19.1
4 21	14 22.05	-12 24.6	1.006	2.008	3.2	18.1	4 21	14 21.99	-25 42.8	2.058	3.039	5.0	18.9
5 1	14 12.54	-12 1.6	0.997	2.002	3.0	18.1	5 1	14 12.67	-24 42.5	2.021	3.016	3.6	18.8
5 11	14 3.64	-11 42.3	1.010	1.996	8.8	18.4	5 11	14 3.63	-23 30.8	2.012	2.993	5.7	18.9
5 21	13 56.73	-11 32.6	1.045	1.992	14.2	18.7	5 21	13 55.74	-22 13.9	2.031	2.968	8.9	19.0
5 31	13 52.80	-11 36.8	1.099	1.989	18.9	19.0	5 31	13 49.72	-20 58.7	2.075	2.943	12.2	19.2
359510	2010 RX ₄₃	4 26.6 118°75'		2.9/23.2 18			3234	Hergiani	4 26.6 187°47'		0.2/26.3 18		
3 22	14 36.46	- 5 39.4	2.811	3.649	9.7	21.1	3 22	14 39.09	-14 34.9	2.876	3.692	10.1	18.7
4 1	14 32.26	- 4 46.2	2.742	3.658	7.2	20.9	4 1	14 34.32	-14 11.9	2.787	3.691	7.6	18.5
4 11	14 26.77	- 3 50.8	2.698	3.667	4.7	20.8	4 11	14 28.13	-13 42.1	2.723	3.690	4.8	18.3
4 21	14 20.45	- 2 57.0	2.683	3.675	2.9	20.7	4 21	14 21.00	-13 7.5	2.688	3.688	1.7	18.1
5 1	14 13.88	- 2 8.7	2.698	3.684	3.7	20.7	5 1	14 13.51	-12 30.7	2.682	3.686	1.5	18.1
5 11	14 7.65	- 1 29.3	2.741	3.692	6.1	20.9	5 11	14 6.33	-11 55.1	2.706	3.684	4.6	18.3
5 21	14 2.29	- 1 1.3	2.810	3.701	8.5	21.1	5 21	14 0.02	-11 23.9	2.758	3.681	7.5	18.5
5 31	13 58.19	- 0 45.8	2.903	3.709	10.8	21.2	5 31	13 55.04	-10 59.6	2.835	3.678	10.0	18.6
215378	2002 AS ₁₁₅	4 26.6 131°03'		3.8/22.8 18			70411	1999 SF ₃	4 26.6 136°97'		10.0/ 7.6 18		
3 22	14 38.90	- 2 35.9	2.480	3.320	10.7	20.7	3 22	14 52.38	-46 56.5				

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
93084	2000 <i>SD</i> ₃₄		4 26.6	24°42'	0°8'/27.0	18	376574	Michalkusiak		4 26.6	256°82'	4°6'/29.7	18
3 22	14 44.23	-14 56.2	1.514	2.353	16.4	18.3	3 22	14 45.62	-26 14.0	1.954	2.740	15.2	21.0
4 1	14 39.40	-15 17.6	1.443	2.358	12.5	18.1	4 1	14 40.43	-26 39.4	1.847	2.721	12.4	20.7
4 11	14 31.89	-15 30.0	1.394	2.364	8.0	17.9	4 11	14 32.63	-26 49.1	1.762	2.701	9.2	20.5
4 21	14 22.48	-15 34.2	1.369	2.369	3.2	17.6	4 21	14 22.84	-26 40.8	1.701	2.681	6.0	20.3
5 1	14 12.36	-15 32.5	1.371	2.376	2.2	17.5	5 1	14 12.04	-26 14.7	1.667	2.661	4.6	20.1
5 11	14 2.88	-15 28.8	1.398	2.383	7.0	17.8	5 11	14 1.48	-25 34.2	1.661	2.639	6.8	20.2
5 21	13 55.15	-15 27.4	1.450	2.390	11.5	18.1	5 21	13 52.30	-24 45.0	1.680	2.618	10.4	20.4
5 31	13 49.96	-15 32.3	1.523	2.398	15.4	18.4	5 31	13 45.43	-23 54.4	1.723	2.596	14.0	20.6
17747	1998 <i>BJ</i> ₄₂		4 26.6	80°97'	1°5'/25.6	18	375491	2008 <i>UB</i> ₅₂		4 26.6	189°98'	4°5'/25.3	17
3 22	14 44.63	-13 0.3	1.418	2.264	16.9	18.9	3 22	14 59.13	-2 28.6	1.220	2.061	19.4	20.6
4 1	14 39.51	-12 20.5	1.363	2.284	12.6	18.7	4 1	14 51.43	-2 48.6	1.146	2.061	15.0	20.3
4 11	14 31.77	-11 29.9	1.330	2.304	7.8	18.5	4 11	14 39.91	-3 13.9	1.093	2.060	10.0	20.0
4 21	14 22.36	-10 33.5	1.322	2.323	2.9	18.2	4 21	14 25.54	-3 48.1	1.063	2.059	5.3	19.7
5 1	14 12.53	-9 38.0	1.339	2.342	3.2	18.3	5 1	14 9.98	-4 34.1	1.060	2.057	5.8	19.8
5 11	14 3.59	-8 50.5	1.383	2.361	8.0	18.6	5 11	13 55.24	-5 33.0	1.084	2.054	10.8	20.0
5 21	13 56.55	-8 16.2	1.450	2.380	12.4	18.9	5 21	13 43.00	-6 43.8	1.132	2.050	16.0	20.3
5 31	13 52.06	-7 58.4	1.539	2.398	16.1	19.2	5 31	13 34.33	-8 5.3	1.199	2.046	20.5	20.6
293097	2006 <i>XE</i> ₁₂		4 26.6	60°92'	5°3'/2.4	18	359419	2010 <i>LL</i> ₈		4 26.6	271°35'	6°7'/2.7	18
3 22	14 39.54	-33 14.5	2.279	3.031	14.3	19.8	3 22	14 43.39	-36 1.4	2.615	3.335	13.4	21.3
4 1	14 35.19	-33 8.1	2.200	3.043	11.9	19.6	4 1	14 38.32	-36 42.4	2.502	3.314	11.6	21.1
4 11	14 28.88	-32 41.5	2.142	3.055	9.2	19.5	4 11	14 31.09	-37 6.9	2.409	3.294	9.6	20.9
4 21	14 21.30	-31 54.4	2.108	3.068	6.7	19.4	4 21	14 22.22	-37 12.0	2.341	3.273	7.7	20.8
5 1	14 13.32	-30 48.7	2.100	3.080	5.3	19.3	5 1	14 12.54	-36 56.4	2.298	3.252	6.8	20.7
5 11	14 5.90	-29 29.6	2.120	3.092	6.1	19.4	5 11	14 3.04	-36 21.9	2.282	3.231	7.3	20.7
5 21	13 59.80	-28 3.5	2.167	3.105	8.4	19.5	5 21	13 54.65	-35 32.4	2.293	3.210	9.1	20.7
5 31	13 55.58	-26 37.6	2.239	3.117	11.0	19.7	5 31	13 48.15	-34 34.2	2.328	3.188	11.3	20.9
243552	4514 <i>T</i> - ₃		4 26.6	281°62'	0°1'/26.6	18	378315	2007 <i>FL</i> ₄₇		4 26.6	208°94'	1°0'/25.8	17
3 22	14 45.43	-12 37.2	2.330	3.148	12.1	20.3	3 22	14 40.87	-13 41.3	1.961	2.794	13.4	21.5
4 1	14 39.58	-13 2.2	2.230	3.134	9.2	20.0	4 1	14 36.31	-13 3.3	1.877	2.791	10.1	21.2
4 11	14 31.73	-13 23.2	2.155	3.121	5.9	19.8	4 11	14 29.68	-12 15.4	1.818	2.788	6.3	21.0
4 21	14 22.40	-13 40.7	2.108	3.108	2.2	19.5	4 21	14 21.64	-11 21.0	1.784	2.785	2.3	20.7
5 1	14 12.40	-13 55.8	2.090	3.095	1.7	19.5	5 1	14 13.07	-10 25.0	1.778	2.781	2.5	20.7
5 11	14 2.63	-14 10.4	2.102	3.082	5.5	19.7	5 11	14 4.95	-9 33.2	1.801	2.778	6.6	21.0
5 21	13 53.95	-14 26.8	2.142	3.069	9.1	19.9	5 21	13 58.11	-8 50.4	1.849	2.774	10.4	21.2
5 31	13 47.04	-14 47.0	2.206	3.055	12.2	20.1	5 31	13 53.20	-8 20.4	1.920	2.770	13.8	21.4
386530	2009 <i>CA</i> ₂₁		4 26.6	63°93'	2°1'/28.4	17	160344	2003 <i>SG</i> ₁₄₅		4 26.6	230°94'	1°4'/27.8	18
3 22	14 40.47	-21 34.5	2.003	2.814	14.0	21.3	3 22	14 40.21	-20 7.8	2.121	2.934	13.3	19.8
4 1	14 35.93	-21 26.3	1.931	2.826	10.9	21.1	4 1	14 35.76	-19 47.5	2.031	2.930	10.3	19.6
4 11	14 29.38	-21 4.0	1.882	2.839	7.4	20.9	4 11	14 29.33	-19 13.8	1.964	2.925	6.8	19.4
4 21	14 21.49	-20 29.1	1.858	2.852	3.7	20.7	4 21	14 21.52	-18 28.4	1.923	2.920	3.1	19.2
5 1	14 13.18	-19 44.7	1.861	2.864	2.4	20.6	5 1	14 13.17	-17 34.7	1.910	2.914	1.9	19.1
5 11	14 5.42	-18 55.7	1.892	2.877	5.5	20.8	5 11	14 5.22	-16 37.6	1.925	2.909	5.5	19.3
5 21	13 59.00	-18 7.7	1.950	2.890	9.1	21.1	5 21	13 58.48	-15 42.9	1.966	2.903	9.2	19.5
5 31	13 54.53	-17 25.7	2.031	2.903	12.2	21.3	5 31	13 53.60	-14 55.4	2.032	2.898	12.5	19.7
218537	2004 <i>VO</i> ₁₈		4 26.6	304°56'	0°9'/25.8	18	280371	2003 <i>TA</i> ₅₄		4 26.6	201°32'	2°7'/24.3	18
3 22	14 40.88	-10 43.4	2.435	3.264	11.3	19.6	3 22	14 40.15	-8 8.3	2.097	2.938	12.4	21.1
4 1	14 35.95	-10 44.5	2.347	3.258	8.5	19.4	4 1	14 35.57	-7 25.8	2.018	2.936	9.3	20.9
4 11	14 29.31	-10 41.6	2.282	3.252	5.3	19.2	4 11	14 29.13	-6 38.4	1.964	2.935	5.9	20.7
4 21	14 21.48	-10 36.5	2.245	3.246	2.0	18.9	4 21	14 21.42	-5 50.3	1.936	2.933	3.0	20.5
5 1	14 13.16	-10 31.5	2.238	3.240	2.1	18.9	5 1	14 13.26	-5 6.4	1.936	2.931	3.8	20.5
5 11	14 5.16	-10 29.1	2.259	3.235	5.5	19.2	5 11	14 5.52	-4 31.2	1.964	2.929	7.1	20.7
5 21	13 58.17	-10 31.9	2.307	3.229	8.7	19.4	5 21	13 58.95	-4 8.2	2.017	2.927	10.5	20.9
5 31	13 52.75	-10 41.6	2.379	3.224	11.6	19.5	5 31	13 54.14	-3 59.3	2.093	2.924	13.5	21.1
491137	2011 <i>SE</i> ₁₅₅		4 26.6	254°09'	1°0'/25.7	16	26360	1998 <i>YL</i> ₁₃		4 26.6	177°71'	6°0'/21.4	18
3 22	14 39.17	-12 40.8	2.422	3.250	11.3	22.7	3 22	14 43.20	+ 2 14.9	2.110	2.949	12.4	18.6
4 1	14 34.72	-12 10.8	2.325	3.236	8.6	22.5	4 1	14 37.77	+ 3 14.1	2.042	2.951	9.7	18.4
4 11	14 28.57	-11 33.3	2.253	3.223	5.4	22.2	4 11	14 30.45	+ 4 10.3	1.998	2.952	7.2	18.3
4 21	14 21.22	-10 51.2	2.208	3.209	2.0	22.0	4 21	14 21.89	+ 4 57.5	1.981	2.953	6.0	18.2
5 1	14 13.37	-10 7.9	2.192	3.195	2.2	22.0	5 1	14 12.91	+ 5 30.4	1.991	2.953	7.1	18.3
5 11	14 5.80	-9 27.8	2.205	3.180	5.7	22.2	5 11	14 4.42	+ 5 45.5	2.028	2.953	9.5	18.4
5 21	13 59.22	-8 54.6	2.244	3.165	9.0	22.4	5 21	13 57.16	+ 5 41.3	2.090	2.952	12.3	18.6
5 31	13 54.19	-8 31.3	2.308	3.150	12.0	22.5	5 31	13 51.71	+ 5 18.6	2.172	2.950	14.8	18.8
7410	Kawazoe		4 26.6	215°88'	1°8'/28.8	18	282600	2005 <i>GR</i> ₈₂		4 26.6	299°57'	6°2'/20.4	17
3 22	14 40.45	-22 39.8	3.291	4.072	9.7	20.4	3 22	14 36.94	-1 3.6	1.888	2.744	12.9	20.0
4 1	14 35.30	-22 32.6	3.184	4.061	7.7	20.2	4 1	14 33.41	+ 0 31.5	1.808	2.730	10.0	19.8
4 11	14 28.76	-22 15.8	3.102	4.049	5.3	20.0	4 11	14 27.90	+ 2 9.2	1.753	2.715	7.3	19.6
4 21	14 21.25	-21 49.7	3.048	4.037	2.9	19.8	4 21	14 21.02	+ 3 41.6	1.723	2.701	6.2	19.5
5 1	14 13.35	-21 15.9	3.024	4.024	2.0	19.8	5 1	14 13.57	+ 5 0.6	1.721	2.687	7.6	19.6
5 11	14 5.67	-20 37.2	3.030	4.011	4.0	19.9	5 11	14 6.51	+ 5 59.8	1.744	2.673	10.5	19.7
5 21	13 58.77	-19 56.7	3.066	3.997	6.5	20.0	5 21	14 0.64	+ 6 35.4	1.790	2.660	13.6	19.9
5 31	13 53.12	-19 18.0	3.127	3.982	8.9	20.2	5 31	13 56.60	+ 6 46.6	1.856	2.646	16.5	20.0
185490	2007 <i>GR</i> ₁		4 26.6	278°47'	1°9'/29.1	18							

EPHEMERIDES

4 26.6

4 26.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
305148	2007 VC ₁₉₅		4 26.6	49°19	2°2/27.9	18	470200	2006 VP ₅₅		4 26.6	223°21	0°8/25.8	16
3 22	14 43.71	-20 0.5	1.233	2.075	19.2	20.4	3 22	14 39.50	-12 40.2	2.740	3.561	10.4	22.1
4 1	14 39.36	-20 1.1	1.179	2.092	14.9	20.2	4 1	14 34.76	-12 16.4	2.644	3.552	7.8	21.9
4 11	14 31.95	-19 43.3	1.143	2.109	9.8	20.0	4 11	14 28.50	-11 46.5	2.575	3.543	4.9	21.7
4 21	14 22.51	-19 8.8	1.130	2.127	4.6	19.7	4 21	14 21.20	-11 12.6	2.533	3.533	1.8	21.5
5 1	14 12.48	-18 22.3	1.141	2.146	2.8	19.6	5 1	14 13.48	-10 37.7	2.520	3.523	1.9	21.5
5 11	14 3.43	-17 31.7	1.177	2.164	7.6	20.0	5 11	14 6.03	-10 5.3	2.538	3.513	5.0	21.7
5 21	13 56.55	-16 45.2	1.235	2.184	12.4	20.3	5 21	13 59.47	-9 38.4	2.582	3.502	8.1	21.8
5 31	13 52.57	-16 9.3	1.314	2.203	16.5	20.6	5 31	13 54.29	-9 19.7	2.652	3.491	10.7	22.0
224422	2005 UT ₃₉₈		4 26.6	158°37	5°1/22.8	18	304522	2006 UX ₂₂₇		4 26.6	157°51	2°7/23.5	18
3 22	14 44.00	-0 23.4	1.958	2.799	13.1	20.3	3 22	14 37.86	-7 5.7	2.639	3.475	10.3	21.3
4 1	14 38.51	+0 13.7	1.889	2.803	10.1	20.1	4 1	14 33.44	-6 8.7	2.564	3.479	7.7	21.1
4 11	14 30.98	+0 48.6	1.844	2.806	7.1	19.9	4 11	14 27.60	-5 8.2	2.515	3.484	4.9	20.9
4 21	14 22.10	+1 16.4	1.825	2.809	5.2	19.8	4 21	14 20.84	-4 8.0	2.494	3.488	2.8	20.8
5 1	14 12.77	+1 32.4	1.833	2.811	6.1	19.8	5 1	14 13.78	-3 12.6	2.502	3.492	3.7	20.9
5 11	14 3.96	+1 33.2	1.869	2.814	8.9	20.0	5 11	14 7.08	-2 26.0	2.539	3.495	6.3	21.0
5 21	13 56.50	+1 17.7	1.929	2.816	12.0	20.2	5 21	14 1.30	-1 51.0	2.603	3.499	9.0	21.2
5 31	13 50.99	+0 46.1	2.011	2.817	14.8	20.4	5 31	13 56.90	-1 29.3	2.690	3.501	11.4	21.4
15967	Clairearmstrong		4 26.6	171°01	5°0/21.4	18 R	198695	2005 CX ₂₂		4 26.6	96°47	5°4/22.1	17
3 22	14 41.68	+1 20.5	2.547	3.379	10.7	18.2	3 22	14 40.90	-0 5.4	2.014	2.860	12.6	20.1
4 1	14 36.32	+2 21.0	2.477	3.384	8.3	18.1	4 1	14 36.07	+0 47.9	1.954	2.869	9.7	19.9
4 11	14 29.40	+3 19.5	2.434	3.388	6.1	18.0	4 11	14 29.38	+1 39.2	1.917	2.878	6.9	19.7
4 21	14 21.49	+4 11.2	2.419	3.391	5.0	17.9	4 21	14 21.51	+2 22.9	1.907	2.887	5.4	19.6
5 1	14 13.25	+4 51.4	2.432	3.394	6.0	18.0	5 1	14 13.28	+2 54.1	1.924	2.896	6.4	19.7
5 11	14 5.42	+5 17.0	2.473	3.396	8.1	18.1	5 11	14 5.59	+3 9.1	1.967	2.905	9.0	19.9
5 21	13 58.60	+5 26.4	2.540	3.397	10.5	18.2	5 21	13 59.16	+3 6.4	2.034	2.914	11.8	20.1
5 31	13 53.28	+5 19.5	2.629	3.397	12.7	18.4	5 31	13 54.53	+2 46.4	2.123	2.922	14.4	20.3
352471	2008 AY ₁₃₆		4 26.6	107°22	1°4/25.3	17	200238	1999 VA ₅₅		4 26.6	260°09	0°5/26.3	18
3 22	14 39.83	-10 30.0	2.381	3.212	11.4	21.2	3 22	14 45.10	-12 19.7	2.120	2.944	12.9	20.2
4 1	14 35.08	-10 6.7	2.307	3.220	8.5	21.0	4 1	14 39.56	-12 25.1	2.019	2.927	9.8	20.0
4 11	14 28.70	-9 38.6	2.258	3.228	5.3	20.8	4 11	14 31.85	-12 25.0	1.941	2.909	6.3	19.7
4 21	14 21.25	-9 8.2	2.236	3.236	2.1	20.6	4 21	14 22.52	-12 20.6	1.890	2.891	2.3	19.4
5 1	14 13.44	-8 39.2	2.243	3.243	2.5	20.7	5 1	14 12.43	-12 14.4	1.868	2.873	2.1	19.4
5 11	14 6.05	-8 15.0	2.278	3.251	5.7	20.9	5 11	14 2.59	-12 9.3	1.875	2.854	6.2	19.6
5 21	13 59.73	-7 58.4	2.340	3.258	8.9	21.1	5 21	13 53.92	-12 8.6	1.909	2.835	10.1	19.8
5 31	13 54.98	-7 51.5	2.426	3.265	11.6	21.3	5 31	13 47.16	-12 15.1	1.966	2.815	13.5	20.0
152177	2005 PD ₁₅		4 26.6	131°14	0°5/26.9	18	313692	2003 TC ₆		4 26.6	191°29	0°8/26.1	17
3 22	14 44.79	-16 29.9	2.187	3.000	12.9	21.3	3 22	14 45.21	-13 2.7	1.751	2.584	14.8	21.4
4 1	14 38.94	-16 17.5	2.114	3.015	9.8	21.2	4 1	14 39.86	-12 48.7	1.670	2.583	11.2	21.2
4 11	14 31.17	-15 55.6	2.066	3.030	6.3	21.0	4 11	14 32.07	-12 26.1	1.612	2.582	7.1	20.9
4 21	14 22.15	-15 26.0	2.045	3.045	2.4	20.7	4 21	14 22.59	-11 57.5	1.579	2.580	2.6	20.6
5 1	14 12.75	-14 52.0	2.053	3.058	1.7	20.7	5 1	14 12.43	-11 26.7	1.574	2.578	2.5	20.6
5 11	14 3.89	-14 17.5	2.090	3.071	5.5	21.0	5 11	14 2.80	-10 59.0	1.597	2.576	7.0	20.9
5 21	13 56.34	-13 46.9	2.155	3.084	9.0	21.2	5 21	13 54.68	-10 38.6	1.645	2.573	11.3	21.1
5 31	13 50.65	-13 23.6	2.244	3.095	12.0	21.4	5 31	13 48.83	-10 29.3	1.715	2.570	14.9	21.4
352063	2006 WU ₅₈		4 26.6	235°83	0°6/27.1	16	276415	2003 AU ₂₄		4 26.6	147°42	4°3/22.6	18
3 22	14 41.25	-16 14.5	2.570	3.382	11.2	22.0	3 22	14 40.58	-0 58.0	2.397	3.235	11.1	20.5
4 1	14 36.23	-16 13.9	2.472	3.373	8.6	21.8	4 1	14 35.60	-0 18.1	2.327	3.240	8.5	20.4
4 11	14 29.51	-16 5.6	2.400	3.363	5.6	21.6	4 11	14 29.01	+0 20.6	2.283	3.245	5.9	20.2
4 21	14 21.58	-15 50.8	2.354	3.353	2.2	21.3	4 21	14 21.38	+0 53.9	2.266	3.249	4.4	20.1
5 1	14 13.15	-15 31.5	2.338	3.343	1.5	21.3	5 1	14 13.40	+1 17.8	2.277	3.253	5.2	20.2
5 11	14 4.99	-15 10.8	2.352	3.333	4.9	21.5	5 11	14 5.85	+1 29.3	2.316	3.257	7.6	20.3
5 21	13 57.79	-14 52.0	2.392	3.322	8.1	21.7	5 21	13 59.35	+1 26.8	2.380	3.261	10.3	20.5
5 31	13 52.14	-14 38.0	2.458	3.311	11.0	21.8	5 31	13 54.40	+1 10.1	2.467	3.265	12.7	20.7
430563	2002 NF ₇₄		4 26.6	256°70	2°0/24.8	17	470658	2008 SJ ₁₆₀		4 26.6	203°98	2°0/24.5	18
3 22	14 40.38	-9 41.2	2.199	3.035	12.1	21.8	3 22	14 39.58	-11 6.9	2.410	3.241	11.3	22.0
4 1	14 35.80	-9 6.3	2.105	3.020	9.1	21.6	4 1	14 34.95	-10 2.9	2.323	3.236	8.5	21.8
4 11	14 29.34	-8 25.4	2.034	3.005	5.7	21.4	4 11	14 28.67	-8 51.1	2.260	3.231	5.3	21.6
4 21	14 21.54	-7 41.9	1.991	2.990	2.5	21.1	4 21	14 21.28	-7 35.5	2.226	3.225	2.4	21.3
5 1	14 13.18	-7 0.1	1.976	2.975	3.2	21.2	5 1	14 13.47	-6 21.5	2.222	3.219	3.1	21.4
5 11	14 5.11	-6 24.5	1.989	2.959	6.7	21.4	5 11	14 6.03	-5 14.2	2.247	3.212	6.3	21.6
5 21	13 58.13	-5 59.0	2.029	2.943	10.2	21.5	5 21	13 59.61	-4 18.2	2.299	3.205	9.5	21.8
5 31	13 52.86	-5 46.2	2.091	2.926	13.3	21.7	5 31	13 54.74	-3 36.5	2.374	3.198	12.3	21.9
245976	2006 SH ₁₂₆		4 26.6	217°45	2°4/24.1	18	347770	2002 CP ₁₅₇		4 26.6	65°02	8°1/17.8	18
3 22	14 38.32	-8 21.3	2.447	3.284	11.0	20.7	3 22	14 37.69	+9 30.0	2.222	3.060	11.9	20.6
4 1	14 33.97	-7 32.8	2.363	3.279	8.2	20.5	4 1	14 33.50	+10 57.6	2.176	3.071	9.9	20.5
4 11	14 28.04	-6 39.6	2.304	3.274	5.2	20.3	4 11	14 27.70	+12 16.3	2.154	3.082	8.4	20.4
4 21	14 21.03	-5 45.3	2.272	3.269	2.7	20.1	4 21	14 20.89	+13 19.8	2.159	3.094	8.2	20.4
5 1	14 13.62	-4 54.5	2.270	3.264	3.5	20.2	5 1	14 13.81	+14 2.7	2.188	3.105	9.2	20.5
5 11	14 6.55	-4 11.4	2.296	3.259	6.4	20.4	5 11	14 7.21	+14 22.4	2.243	3.117	11.0	20.6
5 21	14 0.46	-3 39.3	2.348	3.253	9.4	20.5	5 21	14 1.73	+14 18.8	2.319	3.128	13.0	20.8
5 31	13 55.86	-3 20.4	2.424	3.247	12.1	20.7	5 31	13 57.83	+13 53.6	2.413	3.140	14.8	20.9
288379	2004 CA ₅₀		4 26.6	203°06	16°5/11.2	18	373483	2000 TV ₃₄		4 26.6	210°00	2°1/24.6	17
3 22	14 44.48	+16 48.0	1.232	2.076	19.0	20.3	3 22	14 40.68	-10 20.2				

EPHEMERIDES

4 26.6

4 26.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
201931	2004 <i>DM</i> ₂₅		4 26.6 101°78'	11°2'	6.2	18	52197	2373 <i>T</i> ₋₃		4 26.6 48°30'	0°4'	26.9	18
3 22	14 47.60	-42 24.4	1.165	1.916	25.3	20.0	3 22	14 39.01	-17 27.1	2.032	2.858	13.3	19.1
4 1	14 43.38	-42 25.7	1.098	1.927	22.1	19.8	4 1	14 34.86	-16 56.1	1.952	2.860	10.1	18.9
4 11	14 34.99	-41 42.1	1.045	1.939	18.3	19.6	4 11	14 28.76	-16 13.1	1.895	2.862	6.5	18.7
4 21	14 23.72	-40 7.0	1.009	1.950	14.4	19.4	4 21	14 21.36	-15 20.8	1.864	2.864	2.5	18.4
5 1	14 11.66	-37 41.2	0.993	1.960	11.6	19.3	5 1	14 13.49	-14 23.5	1.861	2.867	1.7	18.4
5 11	14 1.03	-34 37.6	1.001	1.971	11.6	19.3	5 11	14 6.08	-13 26.6	1.886	2.869	5.7	18.6
5 21	13 53.44	-31 16.4	1.033	1.981	14.2	19.5	5 21	13 59.91	-12 35.4	1.937	2.871	9.5	18.9
5 31	13 49.69	-27 59.8	1.086	1.991	17.9	19.7	5 31	13 55.58	-11 54.4	2.011	2.874	12.7	19.1
189043	2000 <i>OR</i> ₆₇		4 26.6 297°25'	1°8'	25.4	18	317807	2003 <i>SV</i> ₂₂₁		4 26.6 208°91'	0°8'	27.3	17
3 22	14 41.91	-11 10.6	1.655	2.500	14.9	19.7	3 22	14 41.31	-17 52.4	2.201	3.017	12.8	21.2
4 1	14 37.83	-10 46.4	1.549	2.469	11.4	19.4	4 1	14 36.52	-17 37.3	2.112	3.014	9.8	21.0
4 11	14 31.13	-10 13.1	1.465	2.438	7.3	19.1	4 11	14 29.80	-17 11.3	2.046	3.010	6.4	20.7
4 21	14 22.38	-9 34.1	1.406	2.407	2.9	18.7	4 21	14 21.75	-16 36.1	2.007	3.006	2.6	20.5
5 1	14 12.55	-8 54.1	1.373	2.375	3.4	18.7	5 1	14 13.17	-15 54.8	1.997	3.002	1.7	20.4
5 11	14 2.89	-8 19.5	1.367	2.344	8.2	18.9	5 11	14 4.97	-15 11.8	2.014	2.997	5.4	20.6
5 21	13 54.58	-7 55.7	1.384	2.312	13.0	19.1	5 21	13 57.95	-14 31.8	2.059	2.992	9.1	20.9
5 31	13 48.58	-7 46.9	1.423	2.280	17.3	19.3	5 31	13 52.71	-13 59.0	2.127	2.987	12.2	21.0
352303	2007 <i>TF</i> ₄₅₃		4 26.6 216°19'	3°9'	23.1	18	369981	1997 <i>WP</i> ₄		4 26.6 194°64'	0°9'	25.9	17
3 22	14 40.33	-2 20.7	2.386	3.225	11.1	20.5	3 22	14 43.85	-12 27.1	2.055	2.882	13.1	21.6
4 1	14 35.50	-1 45.5	2.308	3.222	8.5	20.3	4 1	14 38.50	-12 11.1	1.970	2.881	9.9	21.4
4 11	14 29.01	-1 10.6	2.254	3.218	5.8	20.2	4 11	14 31.08	-11 48.0	1.909	2.879	6.2	21.2
4 21	14 21.42	-0 39.8	2.227	3.215	4.0	20.0	4 21	14 22.22	-11 20.1	1.875	2.876	2.3	20.9
5 1	14 13.41	-0 17.1	2.229	3.211	4.8	20.1	5 1	14 12.81	-10 51.0	1.870	2.873	2.3	20.9
5 11	14 5.77	-0 5.6	2.259	3.207	7.4	20.2	5 11	14 3.82	-10 25.0	1.893	2.870	6.3	21.2
5 21	13 59.16	-0 7.3	2.314	3.203	10.2	20.4	5 21	13 56.10	-10 5.8	1.942	2.866	10.1	21.4
5 31	13 54.10	-0 22.6	2.392	3.199	12.8	20.6	5 31	13 50.31	-9 56.5	2.014	2.861	13.3	21.6
146786	2001 <i>XF</i> ₂₆₇		4 26.6 232°66'	3°3'	23.7	18	350332	2012 <i>UQ</i> ₈₉		4 26.6 118°37'	0°3'	26.3	17
3 22	14 40.80	-3 37.8	2.468	3.304	10.9	20.1	3 22	14 40.16	-14 17.2	2.332	3.157	11.8	21.6
4 1	14 35.83	-3 13.1	2.385	3.298	8.3	20.0	4 1	14 35.42	-13 57.4	2.255	3.164	8.9	21.4
4 11	14 29.22	-2 48.1	2.326	3.292	5.5	19.8	4 11	14 28.98	-13 29.9	2.203	3.171	5.6	21.2
4 21	14 21.50	-2 26.1	2.295	3.286	3.5	19.6	4 21	14 21.42	-12 57.1	2.177	3.178	2.0	20.9
5 1	14 13.35	-2 10.6	2.293	3.280	4.2	19.7	5 1	14 13.47	-12 22.2	2.180	3.184	1.8	20.9
5 11	14 5.54	-2 4.4	2.319	3.274	6.8	19.8	5 11	14 5.94	-11 49.2	2.212	3.191	5.3	21.2
5 21	13 58.72	-2 9.4	2.372	3.268	9.7	20.0	5 21	13 59.51	-11 21.7	2.270	3.197	8.7	21.4
5 31	13 53.42	-2 26.4	2.448	3.261	12.3	20.1	5 31	13 54.71	-11 2.6	2.353	3.203	11.5	21.6
247929	2003 <i>WZ</i> ₁₃₂		4 26.6 239°28'	0°4'	26.4	17 R	504153	2006 <i>SN</i> ₂₅₄		4 26.6 157°01'	1°0'	25.5	17
3 22	14 43.84	-15 15.2	1.944	2.769	13.8	21.2	3 22	14 38.84	-12 26.7	2.629	3.454	10.6	22.9
4 1	14 38.77	-14 45.1	1.845	2.753	10.6	21.0	4 1	14 34.24	-11 50.1	2.549	3.459	8.0	22.7
4 11	14 31.42	-14 3.4	1.769	2.737	6.8	20.7	4 11	14 28.16	-11 7.0	2.495	3.464	4.9	22.5
4 21	14 22.39	-13 12.7	1.719	2.720	2.4	20.4	4 21	14 21.10	-10 20.3	2.468	3.468	1.9	22.3
5 1	14 12.61	-12 17.3	1.698	2.702	2.2	20.4	5 1	14 13.72	-9 33.6	2.471	3.472	2.1	22.3
5 11	14 3.16	-11 22.9	1.705	2.684	6.6	20.6	5 11	14 6.70	-8 50.9	2.503	3.476	5.2	22.5
5 21	13 55.01	-10 35.3	1.738	2.664	10.8	20.8	5 21	14 0.63	-8 15.3	2.562	3.479	8.2	22.7
5 31	13 48.92	-9 59.3	1.793	2.645	14.5	21.0	5 31	13 55.99	-7 49.6	2.646	3.483	10.8	22.9
1480	Aunus		4 26.6 73°17'	2°0'	25.6	18	30104	2000 <i>FA</i> ₃		4 26.6 317°54'	3°2'	28.5	18
3 22	14 46.35	-10 39.2	1.266	2.120	18.0	16.2	3 22	14 41.93	-21 36.3	1.262	2.100	19.0	18.2
4 1	14 41.23	-10 21.9	1.208	2.132	13.6	15.9	4 1	14 38.49	-21 46.8	1.181	2.091	15.1	17.9
4 11	14 33.12	-9 56.6	1.171	2.145	8.5	15.7	4 11	14 31.82	-21 38.0	1.119	2.082	10.4	17.6
4 21	14 22.99	-9 27.7	1.157	2.158	3.3	15.4	4 21	14 22.68	-21 9.1	1.078	2.073	5.5	17.3
5 1	14 12.24	-9 0.8	1.168	2.170	3.7	15.5	5 1	14 12.44	-20 23.1	1.061	2.065	3.6	17.1
5 11	14 2.41	-8 41.9	1.204	2.183	8.8	15.8	5 11	14 2.75	-19 27.1	1.068	2.057	8.0	17.4
5 21	13 54.68	-8 35.4	1.263	2.196	13.6	16.1	5 21	13 55.07	-18 30.3	1.098	2.049	13.2	17.6
5 31	13 49.80	-8 43.8	1.342	2.208	17.6	16.4	5 31	13 50.43	-17 41.8	1.147	2.043	17.9	17.9
2893	Peiroos		4 26.6 297°77'	3°6'	20.8	18	427455	2001 <i>SM</i> ₂₀₁		4 26.6 148°80'	2°8'	28.8	15
3 22	14 32.57	+3 24.9	4.170	5.002	6.9	16.3	3 22	14 45.96	-22 24.9	2.118	2.913	13.9	22.2
4 1	14 29.07	+4 0.5	4.093	4.997	5.4	16.2	4 1	14 40.11	-22 38.7	2.037	2.921	11.0	22.1
4 11	14 24.71	+4 33.5	4.042	4.991	4.1	16.1	4 11	14 32.10	-22 39.4	1.979	2.929	7.6	21.9
4 21	14 19.80	+5 1.6	4.020	4.986	3.6	16.1	4 21	14 22.61	-22 27.0	1.947	2.936	4.2	21.7
5 1	14 14.68	+5 22.5	4.026	4.980	4.2	16.1	5 1	14 12.56	-22 3.0	1.943	2.943	2.9	21.6
5 11	14 9.75	+5 34.5	4.060	4.975	5.5	16.2	5 11	14 3.01	-21 31.3	1.967	2.949	5.6	21.8
5 21	14 5.34	+5 36.6	4.121	4.969	7.0	16.3	5 21	13 54.83	-20 56.8	2.019	2.955	9.1	22.0
5 31	14 1.74	+5 28.7	4.205	4.964	8.4	16.4	5 31	13 48.69	-20 24.6	2.095	2.960	12.2	22.2
198454	2004 <i>XP</i> ₈		4 26.6 202°33'	0°9'	27.5	18	476900	2008 <i>WE</i> ₂₈		4 26.6 155°30'	1°4'	24.9	18
3 22	14 42.63	-18 25.7	2.842	3.640	10.6	21.4	3 22	14 36.35	-8 23.2	3.691	4.515	7.9	22.5
4 1	14 37.10	-18 12.8	2.743	3.634	8.2	21.3	4 1	14 31.98	-8 6.0	3.610	4.520	5.9	22.3
4 11	14 29.99	-17 50.9	2.669	3.628	5.4	21.1	4 11	14 26.57	-7 46.6	3.555	4.524	3.7	22.2
4 21	14 21.78	-17 21.2	2.623	3.620	2.3	20.8	4 21	14 20.50	-7 26.9	3.530	4.528	1.7	22.0
5 1	14 13.13	-16 45.8	2.607	3.612	1.4	20.8	5 1	14 14.21	-7 9.0	3.535	4.532	2.0	22.1
5 11	14 4.77	-16 8.0	2.622	3.602	4.5	21.0	5 11	14 8.14	-6 54.8	3.569	4.536	4.2	22.2
5 21	13 57.32	-15 31.5	2.665	3.592	7.5	21.1	5 21	14 2.72	-6 45.9	3.632	4.539	6.3	22.4
5 31	13 51.33	-14 59.7	2.734	3.582	10.2	21.3	5 31	13 58.28	-6 43.7	3.720	4.543	8.3	22.5
522615	2016 <i>FH</i> ₆₅		4 26.6 81°46'	2°4'	28.3	17	146225	2000 <i>WG</i> ₄₇		4 26.6 123°46'	7°5'	19.9	18
3 22	14 43.65	-											

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
115081	2003 SQ ₃		4 26.6 179°30	0°5/27.0	16		163204	2002 ED ₄₁		4 26.6 69°74	1°0/25.9	18	
3 22	14 44.93	-17 1.6	1.990	2.807	13.9	21.8	3 22	14 42.53	-14 30.3	1.386	2.234	17.1	20.2
4 1	14 39.40	-16 42.4	1.906	2.809	10.6	21.6	4 1	14 38.20	-13 49.9	1.323	2.244	12.9	19.9
4 11	14 31.68	-16 11.7	1.845	2.810	6.8	21.4	4 11	14 31.17	-12 56.2	1.281	2.254	8.1	19.7
4 21	14 22.46	-15 31.5	1.811	2.811	2.7	21.1	4 21	14 22.31	-11 53.9	1.263	2.264	2.9	19.4
5 1	14 12.68	-14 45.5	1.805	2.811	1.8	21.0	5 1	14 12.90	-10 50.0	1.270	2.274	2.9	19.4
5 11	14 3.39	-13 58.9	1.828	2.810	6.0	21.3	5 11	14 4.26	-9 52.4	1.303	2.284	8.0	19.7
5 21	13 55.47	-13 16.9	1.878	2.808	10.0	21.6	5 21	13 57.48	-9 7.6	1.360	2.295	12.6	20.0
5 31	13 49.61	-12 43.9	1.951	2.806	13.4	21.8	5 31	13 53.26	-8 40.0	1.437	2.305	16.6	20.3
350207	2012 QB ₄₁		4 26.6 248°67	5°1/21.9	18		287667	2003 OH ₈		4 26.6 294°52	3°4/24.5	17	
3 22	14 40.42	-1 30.8	2.118	2.962	12.1	21.0	3 22	14 41.84	-8 49.5	1.403	2.261	16.4	21.0
4 1	14 35.86	-0 28.3	2.033	2.949	9.4	20.8	4 1	14 38.11	-8 7.5	1.309	2.236	12.5	20.7
4 11	14 29.41	+0 35.1	1.973	2.935	6.6	20.6	4 11	14 31.48	-7 16.3	1.237	2.211	8.1	20.4
4 21	14 21.63	+1 34.0	1.939	2.922	5.1	20.5	4 21	14 22.59	-6 21.1	1.188	2.186	3.9	20.0
5 1	14 13.32	+2 22.4	1.933	2.907	6.2	20.5	5 1	14 12.56	-5 29.2	1.164	2.161	5.0	20.0
5 11	14 5.35	+2 55.5	1.954	2.893	9.0	20.7	5 11	14 2.84	-4 48.7	1.164	2.137	9.9	20.2
5 21	13 58.50	+3 10.6	1.999	2.878	12.0	20.8	5 21	13 54.73	-4 25.6	1.187	2.112	14.9	20.4
5 31	13 53.39	+3 6.8	2.066	2.863	14.8	21.0	5 31	13 49.26	-4 23.7	1.229	2.087	19.4	20.6
382734	2003 AZ ₆₃		4 26.6 65°01	9°0/19.2	17		67905	2000 WN ₉₆		4 26.6 235°65	1°5/25.5	17	
3 22	14 42.21	+12 26.0	2.067	2.894	13.0	20.3	3 22	14 45.11	-11 30.8	1.879	2.710	14.0	20.1
4 1	14 36.91	+13 25.5	2.028	2.912	11.0	20.2	4 1	14 39.79	-11 4.2	1.784	2.697	10.6	19.9
4 11	14 29.84	+14 12.3	2.011	2.931	9.4	20.2	4 11	14 32.11	-10 29.4	1.712	2.682	6.7	19.6
4 21	14 21.70	+14 40.7	2.020	2.949	9.0	20.2	4 21	14 22.71	-9 49.7	1.666	2.667	2.6	19.3
5 1	14 13.34	+14 46.5	2.054	2.968	9.9	20.3	5 1	14 12.53	-9 9.3	1.649	2.651	3.0	19.3
5 11	14 5.63	+14 28.4	2.112	2.986	11.5	20.4	5 11	14 2.70	-8 33.8	1.660	2.634	7.3	19.5
5 21	13 59.25	+13 47.9	2.192	3.005	13.5	20.6	5 21	13 54.21	-8 7.7	1.696	2.617	11.4	19.7
5 31	13 54.66	+12 47.8	2.291	3.023	15.3	20.7	5 31	13 47.85	-7 54.5	1.755	2.599	15.1	19.9
177405	2004 BK ₁₁₉		4 26.6 334°93	4°9/29.2	17		422817	2002 AY ₁₈₉		4 26.6 148°27	3°5/29.6	17	
3 22	14 41.12	-23 15.1	1.304	2.137	18.9	19.2	3 22	14 43.28	-25 30.6	2.044	2.834	14.5	21.4
4 1	14 37.92	-23 58.7	1.221	2.124	15.3	18.9	4 1	14 38.22	-25 31.0	1.961	2.839	11.6	21.2
4 11	14 31.52	-24 25.1	1.155	2.112	11.0	18.6	4 11	14 30.97	-25 14.9	1.900	2.844	8.3	21.0
4 21	14 22.61	-24 31.7	1.112	2.101	6.7	18.3	4 21	14 22.23	-24 42.3	1.865	2.849	5.0	20.8
5 1	14 12.49	-24 18.5	1.092	2.090	5.0	18.2	5 1	14 12.94	-23 55.4	1.857	2.854	3.5	20.8
5 11	14 2.82	-23 49.9	1.095	2.081	8.3	18.4	5 11	14 4.17	-22 59.2	1.876	2.858	5.8	20.9
5 21	13 55.07	-23 13.4	1.121	2.073	12.9	18.6	5 21	13 56.79	-21 59.7	1.923	2.862	9.2	21.1
5 31	13 50.35	-22 37.6	1.166	2.066	17.3	18.8	5 31	13 51.48	-21 3.3	1.993	2.866	12.4	21.3
437666	2014 CA ₁₀		4 26.6 34°29	3°6/24.0	17		368810	2005 YE ₁₈₁		4 26.6 164°06	9°1/7.8	15	
3 22	14 41.05	-4 41.0	1.914	2.760	13.1	20.7	3 22	14 53.18	-49 8.6	3.021	3.620	13.8	22.9
4 1	14 36.36	-4 16.8	1.847	2.767	9.9	20.5	4 1	14 45.73	-50 0.5	2.931	3.628	12.6	22.8
4 11	14 29.70	-3 51.8	1.804	2.773	6.5	20.3	4 11	14 35.77	-50 31.7	2.859	3.636	11.3	22.7
4 21	14 21.72	-3 30.0	1.787	2.781	3.8	20.1	4 21	14 24.02	-50 38.3	2.808	3.642	10.0	22.6
5 1	14 13.32	-3 15.6	1.797	2.788	4.6	20.2	5 1	14 11.55	-50 18.2	2.780	3.648	9.2	22.5
5 11	14 5.44	-3 12.0	1.834	2.796	7.8	20.4	5 11	13 59.57	-49 32.9	2.778	3.652	9.1	22.5
5 21	13 58.87	-3 21.1	1.895	2.804	11.1	20.6	5 21	13 49.14	-48 26.9	2.801	3.656	9.7	22.6
5 31	13 54.20	-3 43.6	1.979	2.812	14.1	20.8	5 31	13 41.05	-47 6.9	2.848	3.659	10.8	22.7
484841	2009 HL ₆₂		4 26.6 70°51	7°3/25.4	17		472837	2015 FF ₂₃₁		4 26.6 314°86	1°1/25.9	17	
3 22	15 2.59	+4 8.2	1.041	1.886	21.7	20.6	3 22	14 40.22	-12 8.5	1.745	2.589	14.3	20.9
4 1	14 54.14	+3 30.5	0.985	1.898	17.1	20.4	4 1	14 36.24	-11 53.7	1.655	2.574	10.9	20.6
4 11	14 41.58	+2 36.5	0.948	1.910	12.0	20.1	4 11	14 29.93	-11 30.9	1.588	2.560	6.9	20.4
4 21	14 26.17	+1 21.9	0.934	1.922	7.9	19.9	4 21	14 21.92	-11 3.0	1.545	2.546	2.5	20.1
5 1	14 9.93	-0 14.1	0.945	1.934	8.2	20.0	5 1	14 13.16	-10 33.9	1.529	2.533	2.7	20.0
5 11	13 55.08	-2 7.9	0.982	1.946	12.5	20.2	5 11	14 4.76	-10 8.8	1.540	2.519	7.1	20.3
5 21	13 43.28	-4 13.0	1.041	1.958	17.3	20.6	5 21	13 57.72	-9 52.1	1.575	2.507	11.4	20.5
5 31	13 35.45	-6 24.0	1.121	1.970	21.5	20.9	5 31	13 52.80	-9 47.1	1.632	2.494	15.2	20.7
141139	2001 XQ ₉₅		4 26.6 119°47	0°4/26.2	18		302183	2001 TE ₁₆₃		4 26.6 303°76	0°8/25.8	17	
3 22	14 40.07	-13 52.3	2.571	3.392	11.0	20.2	3 22	14 37.28	-15 11.4	2.024	2.859	13.0	20.3
4 1	14 35.17	-13 30.2	2.497	3.404	8.3	20.0	4 1	14 33.64	-14 16.8	1.935	2.850	9.8	20.0
4 11	14 28.75	-13 1.3	2.449	3.417	5.2	19.8	4 11	14 28.07	-13 10.1	1.869	2.840	6.2	19.8
4 21	14 21.34	-12 27.9	2.428	3.429	1.8	19.6	4 21	14 21.18	-11 55.0	1.830	2.831	2.2	19.5
5 1	14 13.62	-11 53.2	2.436	3.440	1.7	19.6	5 1	14 13.77	-10 37.0	1.819	2.822	2.3	19.5
5 11	14 6.31	-11 20.6	2.474	3.452	5.0	19.9	5 11	14 6.74	-9 22.8	1.835	2.813	6.4	19.8
5 21	14 0.01	-10 53.4	2.539	3.463	8.0	20.1	5 21	14 0.88	-8 18.2	1.878	2.805	10.2	20.0
5 31	13 55.19	-10 34.1	2.629	3.474	10.6	20.3	5 31	13 56.81	-7 27.8	1.943	2.796	13.5	20.2
295198	2008 FZ ₁₁₀		4 26.6 344°69	0°4/26.3	17		415979	2001 YX ₈₂		4 26.6 133°98	5°2/1.4	17	
3 22	14 38.87	-15 59.3	1.470	2.318	16.3	20.8	3 22	14 44.95	-30 50.4	2.169	2.928	14.7	21.5
4 1	14 35.49	-15 20.4	1.393	2.314	12.4	20.6	4 1	14 39.44	-31 4.1	2.088	2.939	12.2	21.4
4 11	14 29.53	-14 26.4	1.338	2.310	7.9	20.3	4 11	14 31.72	-30 59.0	2.029	2.950	9.3	21.2
4 21	14 21.75	-13 21.3	1.306	2.307	2.8	20.0	4 21	14 22.51	-30 34.2	1.994	2.960	6.6	21.1
5 1	14 13.28	-12 11.4	1.299	2.304	2.5	20.0	5 1	14 12.78	-29 50.6	1.987	2.970	5.2	21.0
5 11	14 5.38	-11 4.9	1.318	2.302	7.6	20.3	5 11	14 3.60	-28 52.8	2.007	2.979	6.4	21.1
5 21	13 59.11	-10 9.2	1.361	2.300	12.3	20.5	5 21	13 55.86	-27 46.9	2.053	2.988	9.0	21.2
5 31	13 55.25	-9 29.7	1.425	2.298	16.3	20.8	5 31	13 50.23	-26 40.0	2.125	2.996	11.8	21.4
368264	2002 AW ₁₄₄		4 26.6 159°42	2°4/24.5	17		289929	2005 ND ₃₂		4 26.7 169°95	3°5/22.6	18	
3 22	14 42.05	-8 47.3	2.247	3.080									

EPHEMERIDES

4 26.7

4 26.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
69072	2003 AG ₄₁		4 26.7 152°69	11.3/14.9	17		507457	2012 TD ₁₄₂		4 26.7 293°77	1.4/27.7	17	
3 22	14 40.96	+14 43.9	1.855	2.685	14.2	19.7	3 22	14 41.13	-18 35.9	1.820	2.645	14.6	21.7
4 1	14 36.38	+16 42.7	1.810	2.688	12.4	19.6	4 1	14 36.99	-18 32.3	1.722	2.628	11.4	21.5
4 11	14 29.74	+18 27.7	1.788	2.691	11.4	19.5	4 11	14 30.47	-18 15.9	1.646	2.610	7.6	21.2
4 21	14 21.76	+19 49.5	1.791	2.694	11.5	19.5	4 21	14 22.18	-17 47.6	1.595	2.593	3.4	20.9
5 1	14 13.38	+20 41.2	1.816	2.697	12.7	19.6	5 1	14 13.06	-17 10.3	1.570	2.575	2.1	20.8
5 11	14 5.58	+20 59.7	1.864	2.699	14.5	19.7	5 11	14 4.25	-16 28.9	1.573	2.558	6.4	21.0
5 21	13 59.17	+20 46.3	1.930	2.701	16.5	19.9	5 21	13 56.78	-15 49.2	1.601	2.541	10.7	21.2
5 31	13 54.75	+20 4.4	2.013	2.703	18.3	20.0	5 31	13 51.46	-15 16.7	1.651	2.524	14.5	21.4
210181	2006 UB ₂₀₀		4 26.7 275°22	0°1/26.6	17		322483	2011 UN ₂₄₇		4 26.7 203°47	0°3/26.9	17	
3 22	14 42.04	-13 42.8	2.223	3.047	12.3	20.5	3 22	14 38.11	-16 58.6	2.548	3.365	11.2	21.5
4 1	14 37.11	-13 45.1	2.130	3.038	9.4	20.3	4 1	14 33.86	-16 31.5	2.460	3.364	8.5	21.3
4 11	14 30.24	-13 40.7	2.061	3.029	6.0	20.0	4 11	14 28.04	-15 55.1	2.397	3.362	5.4	21.1
4 21	14 21.99	-13 31.3	2.019	3.019	2.2	19.8	4 21	14 21.17	-15 11.3	2.361	3.361	2.1	20.8
5 1	14 13.15	-13 19.1	2.005	3.010	1.8	19.7	5 1	14 13.90	-14 23.6	2.354	3.359	1.4	20.8
5 11	14 4.62	-13 7.4	2.020	3.001	5.6	20.0	5 11	14 6.97	-13 35.9	2.376	3.358	4.8	21.0
5 21	13 57.20	-12 59.3	2.062	2.991	9.2	20.2	5 21	14 1.01	-12 52.3	2.425	3.356	8.0	21.2
5 31	13 51.54	-12 57.8	2.127	2.982	12.4	20.4	5 31	13 56.53	-12 16.3	2.499	3.354	10.8	21.4
422644	1995 SK ₅₉		4 26.7 89°15	0°2/26.8	17		79445	1997 VT ₆		4 26.7 97°73	8°7/16.7	17	
3 22	14 43.05	-15 13.3	1.859	2.687	14.2	21.4	3 22	14 38.79	+10 50.4	2.218	3.052	12.0	20.0
4 1	14 38.06	-15 7.4	1.785	2.694	10.8	21.2	4 1	14 34.37	+12 36.4	2.177	3.065	10.2	19.9
4 11	14 30.89	-14 52.0	1.734	2.701	6.9	21.0	4 11	14 28.32	+14 12.5	2.160	3.079	8.9	19.8
4 21	14 22.22	-14 29.2	1.708	2.708	2.6	20.7	4 21	14 21.24	+15 31.7	2.169	3.092	8.8	19.8
5 1	14 13.02	-14 2.3	1.710	2.715	1.9	20.7	5 1	14 13.89	+16 28.3	2.204	3.105	9.9	19.9
5 11	14 4.36	-13 35.7	1.740	2.722	6.2	21.0	5 11	14 7.04	+16 59.3	2.263	3.118	11.6	20.1
5 21	13 57.14	-13 13.9	1.795	2.729	10.1	21.2	5 21	14 1.33	+17 4.8	2.343	3.131	13.5	20.2
5 31	13 51.99	-13 0.4	1.874	2.736	13.5	21.4	5 31	13 57.24	+16 47.0	2.441	3.143	15.2	20.4
390366	2013 GD ₇₆		4 26.7 295°67	0°5/26.9	17		349899	2009 FE ₃₂		4 26.7 123°29	6°0/3.2	18	
3 22	14 42.64	-16 24.9	1.353	2.199	17.6	21.0	3 22	14 41.65	-35 34.2	2.540	3.268	13.6	20.6
4 1	14 38.78	-16 14.7	1.269	2.187	13.6	20.7	4 1	14 36.82	-35 51.7	2.453	3.273	11.5	20.4
4 11	14 31.90	-15 50.0	1.205	2.176	8.8	20.4	4 11	14 30.04	-35 50.8	2.385	3.279	9.3	20.3
4 21	14 22.75	-15 12.8	1.164	2.164	3.4	20.0	4 21	14 21.93	-35 29.8	2.342	3.284	7.3	20.2
5 1	14 12.57	-14 27.4	1.148	2.153	2.4	19.9	5 1	14 13.33	-34 49.3	2.325	3.289	6.1	20.1
5 11	14 2.88	-13 41.3	1.156	2.142	8.0	20.2	5 11	14 5.16	-33 52.7	2.335	3.294	6.6	20.1
5 21	13 55.01	-13 1.7	1.188	2.131	13.2	20.5	5 21	13 58.22	-32 45.1	2.372	3.299	8.3	20.2
5 31	13 49.95	-12 35.0	1.240	2.121	17.8	20.7	5 31	13 53.12	-31 33.0	2.434	3.304	10.5	20.4
434189	2003 AT ₂₅		4 26.7 132°91	3°2/30.2	17		281478	2008 SM ₂₂₆		4 26.7 149°64	1°2/25.8	17	
3 22	14 41.69	-27 12.2	2.791	3.557	11.6	21.4	3 22	14 44.96	-10 10.0	2.200	3.026	12.4	21.3
4 1	14 36.42	-27 8.4	2.709	3.571	9.3	21.2	4 1	14 39.17	-10 8.9	2.122	3.032	9.4	21.1
4 11	14 29.57	-26 51.1	2.651	3.585	6.8	21.1	4 11	14 31.46	-10 3.6	2.068	3.037	5.9	20.9
4 21	14 21.68	-26 20.5	2.620	3.598	4.3	21.0	4 21	14 22.44	-9 56.3	2.041	3.041	2.2	20.6
5 1	14 13.47	-25 38.6	2.617	3.610	3.2	20.9	5 1	14 12.95	-9 49.6	2.044	3.046	2.4	20.6
5 11	14 5.67	-24 48.6	2.644	3.622	4.7	21.0	5 11	14 3.90	-9 46.3	2.075	3.050	6.0	20.9
5 21	13 58.92	-23 55.2	2.699	3.634	7.1	21.2	5 21	13 56.07	-9 49.0	2.133	3.054	9.5	21.1
5 31	13 53.70	-23 2.7	2.780	3.645	9.5	21.4	5 31	13 50.07	-9 59.6	2.216	3.057	12.5	21.3
188617	2005 QN ₂₆		4 26.7 159°76	5°9/20.9	17		141969	2002 PO ₁₂₄		4 26.7 169°73	5°6/21.5	16	
3 22	14 40.55	-0 38.2	2.002	2.849	12.6	20.8	3 22	14 42.37	-0 47.3	2.048	2.890	12.6	20.8
4 1	14 35.90	+0 53.4	1.938	2.854	9.8	20.7	4 1	14 37.26	+0 31.2	1.980	2.894	9.7	20.6
4 11	14 29.39	+2 25.1	1.898	2.858	7.1	20.5	4 11	14 30.24	+1 49.7	1.938	2.898	7.0	20.5
4 21	14 21.64	+3 49.8	1.885	2.862	5.9	20.4	4 21	14 21.98	+3 1.8	1.922	2.901	5.6	20.4
5 1	14 13.50	+5 0.5	1.900	2.865	7.1	20.5	5 1	14 13.31	+4 0.9	1.934	2.903	6.7	20.5
5 11	14 5.87	+5 51.9	1.942	2.868	9.8	20.7	5 11	14 5.14	+4 42.3	1.974	2.904	9.4	20.6
5 21	13 59.47	+6 21.4	2.007	2.871	12.6	20.9	5 21	13 58.22	+5 3.6	2.037	2.905	12.3	20.8
5 31	13 54.88	+6 28.9	2.093	2.873	15.2	21.0	5 31	13 53.12	+5 4.5	2.122	2.906	14.9	21.0
349879	2009 DK ₈₁		4 26.7 99°43	0°8/25.9	17		439611	2014 EQ ₃₂		4 26.7 241°12	3°3/29.5	16	
3 22	14 39.98	-12 43.1	2.225	3.055	12.1	21.8	3 22	14 42.50	-24 30.7	2.451	3.235	12.5	21.6
4 1	14 35.41	-12 21.2	2.147	3.059	9.1	21.6	4 1	14 37.45	-24 51.8	2.353	3.228	10.1	21.5
4 11	14 29.07	-11 52.3	2.093	3.063	5.7	21.4	4 11	14 30.48	-25 0.7	2.279	3.221	7.2	21.3
4 21	14 21.54	-11 19.1	2.066	3.067	2.1	21.2	4 21	14 22.12	-24 56.9	2.230	3.213	4.5	21.1
5 1	14 13.59	-10 45.2	2.067	3.071	2.1	21.2	5 1	14 13.16	-24 41.1	2.210	3.206	3.4	21.0
5 11	14 6.05	-10 14.6	2.097	3.074	5.7	21.4	5 11	14 4.48	-24 16.1	2.219	3.198	5.3	21.1
5 21	13 59.65	-9 50.9	2.153	3.078	9.2	21.6	5 21	13 56.89	-23 46.0	2.254	3.190	8.2	21.3
5 31	13 54.93	-9 36.8	2.233	3.082	12.1	21.8	5 31	13 51.03	-23 15.3	2.314	3.182	11.1	21.4
9896	1996 BL ₁₇		4 26.7 29°22	4°5/24.3	18		285207	1996 XT ₂₃		4 26.7 251°53	1°8/27.8	17	
3 22	14 44.03	-5 46.3	1.193	2.059	18.1	16.3	3 22	14 45.80	-18 40.5	1.693	2.513	15.8	21.0
4 1	14 39.70	-5 15.9	1.134	2.064	13.7	16.0	4 1	14 40.73	-18 51.7	1.599	2.501	12.3	20.7
4 11	14 32.32	-4 42.7	1.094	2.069	8.9	15.8	4 11	14 32.95	-18 50.5	1.527	2.489	8.2	20.5
4 21	14 22.83	-4 12.7	1.078	2.075	4.9	15.6	4 21	14 23.13	-18 37.1	1.480	2.477	3.8	20.2
5 1	14 12.62	-3 53.0	1.085	2.081	5.9	15.6	5 1	14 12.36	-18 13.3	1.459	2.464	2.4	20.0
5 11	14 3.26	-3 49.0	1.116	2.087	10.4	15.9	5 11	14 1.96	-17 43.8	1.466	2.451	6.8	20.3
5 21	13 55.97	-4 3.5	1.169	2.095	15.0	16.2	5 21	13 53.10	-17 14.2	1.498	2.437	11.3	20.5
5 31	13 51.56	-4 36.6	1.240	2.102	19.0	16.5	5 31	13 46.69	-16 50.4	1.552	2.423	15.4	20.7
76836	2000 SB ₃₁₀		4 26.7 271°85	5°2/6.2	18 R		313376	2002 JS ₁₅₀		4 26.7 316°61	4°2/28.9	17	
3 22	14 36.37	-43 32.7	4.660	5.302									

EPHEMERIDES

4 26.7

4 26.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V		
393276	2013 <i>WH</i> ₁₀₇	4 26.7 100°66 1°7/25.4 17						94458	2001 <i>TQ</i> ₁₁₁	4 26.7 178°32 1°6/27.9 18					
3 22	14 43.64	- 9 38.5	1.972	2.807	13.3	20.6	3 22	14 44.88	-20 51.2	1.726	2.541	15.7	20.3		
4 1	14 38.32	- 9 26.4	1.902	2.816	10.0	20.4	4 1	14 39.76	-20 26.1	1.644	2.543	12.3	20.0		
4 11	14 30.97	- 9 9.6	1.854	2.825	6.3	20.2	4 11	14 32.14	-19 44.0	1.583	2.544	8.2	19.8		
4 21	14 22.27	- 8 51.2	1.834	2.834	2.5	20.0	4 21	14 22.77	-18 46.7	1.548	2.545	3.7	19.5		
5 1	14 13.11	- 8 34.5	1.841	2.842	2.9	20.0	5 1	14 12.76	-17 38.6	1.540	2.545	2.2	19.4		
5 11	14 4.48	- 8 23.4	1.877	2.851	6.6	20.2	5 11	14 3.33	-16 26.6	1.559	2.544	6.5	19.7		
5 21	13 57.19	- 8 20.5	1.938	2.859	10.2	20.5	5 21	13 55.51	-15 18.3	1.605	2.543	10.8	19.9		
5 31	13 51.85	- 8 27.8	2.022	2.867	13.4	20.7	5 31	13 50.04	-14 20.4	1.673	2.541	14.6	20.2		
368722	2005 <i>UX</i> ₄₄	4 26.7 188°27 0°9/25.8 17						211874	2004 <i>HT</i> ₃₁	4 26.7 301°46 1°2/25.8 17					
3 22	14 41.90	-13 40.7	2.257	3.081	12.2	22.2	3 22	14 40.65	-11 13.4	2.085	2.920	12.6	20.2		
4 1	14 36.87	-12 59.5	2.172	3.081	9.2	22.0	4 1	14 36.18	-11 2.0	1.995	2.909	9.6	19.9		
4 11	14 30.01	-12 9.3	2.111	3.079	5.8	21.8	4 11	14 29.73	-10 44.8	1.928	2.899	6.0	19.7		
4 21	14 21.92	-11 13.4	2.077	3.078	2.1	21.6	4 21	14 21.88	-10 24.2	1.887	2.888	2.3	19.4		
5 1	14 13.37	-10 16.1	2.073	3.075	2.2	21.6	5 1	14 13.43	-10 3.5	1.875	2.878	2.5	19.4		
5 11	14 5.22	- 9 22.5	2.097	3.072	5.9	21.8	5 11	14 5.30	- 9 46.7	1.890	2.867	6.3	19.7		
5 21	13 58.22	- 8 37.0	2.149	3.069	9.4	22.0	5 21	13 58.33	- 9 36.9	1.931	2.857	10.0	19.9		
5 31	13 52.93	- 8 3.2	2.224	3.064	12.5	22.2	5 31	13 53.16	- 9 36.8	1.995	2.847	13.3	20.0		
161026	2002 <i>FP</i> ₃₂	4 26.7 177°75 2°8/24.7 18						124494	2001 <i>RE</i> ₄₄	4 26.7 114°27 4°3/23.8 18					
3 22	14 45.87	- 8 11.9	1.844	2.681	14.0	20.5	3 22	14 44.92	- 6 20.7	1.503	2.354	15.8	19.3		
4 1	14 40.19	- 7 37.0	1.768	2.683	10.6	20.2	4 1	14 39.75	- 5 25.1	1.443	2.366	11.9	19.1		
4 11	14 32.25	- 6 57.0	1.714	2.685	6.7	20.0	4 11	14 32.05	- 4 25.1	1.406	2.377	7.7	18.9		
4 21	14 22.77	- 6 16.2	1.688	2.685	3.2	19.8	4 21	14 22.70	- 3 27.4	1.393	2.388	4.5	18.7		
5 1	14 12.72	- 5 39.6	1.689	2.686	4.0	19.8	5 1	14 12.86	- 2 39.0	1.407	2.398	5.6	18.8		
5 11	14 3.21	- 5 12.1	1.718	2.685	7.8	20.1	5 11	14 3.78	- 2 5.9	1.446	2.408	9.4	19.0		
5 21	13 55.14	- 4 57.2	1.773	2.684	11.6	20.3	5 21	13 56.45	- 1 51.6	1.509	2.418	13.4	19.3		
5 31	13 49.21	- 4 57.0	1.849	2.682	14.9	20.5	5 31	13 51.54	- 1 56.8	1.593	2.427	16.8	19.5		
106897	2000 <i>YO</i> ₄₃	4 26.7 128°72 1°2/25.7 18						153059	2000 <i>QE</i> ₁₅₈	4 26.7 216°88 4°5/22.0 17					
3 22	14 45.01	-13 2.5	1.828	2.659	14.3	20.0	3 22	14 39.64	- 5 19.7	2.056	2.901	12.4	20.5		
4 1	14 39.44	-12 24.8	1.761	2.674	10.8	19.8	4 1	14 35.31	- 3 46.7	1.976	2.895	9.4	20.3		
4 11	14 31.69	-11 38.0	1.718	2.688	6.7	19.6	4 11	14 29.10	- 2 8.3	1.922	2.889	6.3	20.1		
4 21	14 22.52	-10 45.8	1.700	2.701	2.5	19.4	4 21	14 21.62	- 0 31.1	1.895	2.883	4.5	20.0		
5 1	14 12.94	- 9 53.4	1.711	2.714	2.7	19.4	5 1	14 13.66	+ 0 57.4	1.897	2.876	5.8	20.0		
5 11	14 4.00	- 9 6.6	1.750	2.726	6.8	19.7	5 11	14 6.11	+ 2 10.7	1.926	2.869	8.8	20.2		
5 21	13 56.57	- 8 29.9	1.815	2.737	10.7	20.0	5 21	13 59.73	+ 3 4.5	1.980	2.861	12.0	20.4		
5 31	13 51.27	- 8 6.7	1.902	2.748	14.0	20.2	5 31	13 55.10	+ 3 36.8	2.056	2.853	14.8	20.6		
373563	2001 <i>XP</i> ₆	4 26.7 220°59 6°4/ 2.3 18						384017	2008 <i>UN</i> ₈₄	4 26.7 145°38 1°3/27.7 17					
3 22	14 46.32	-34 25.3	2.380	3.111	14.3	21.3	3 22	14 42.32	-18 54.2	2.181	2.992	13.0	22.4		
4 1	14 40.66	-34 52.8	2.276	3.101	12.2	21.1	4 1	14 37.30	-18 47.1	2.100	2.997	10.0	22.2		
4 11	14 32.67	-35 1.9	2.192	3.090	9.8	20.9	4 11	14 30.34	-18 28.9	2.042	3.003	6.6	22.0		
4 21	14 22.98	-34 49.9	2.132	3.078	7.6	20.7	4 21	14 22.07	-18 1.0	2.010	3.007	2.9	21.8		
5 1	14 12.52	-34 16.2	2.099	3.066	6.4	20.6	5 1	14 13.32	-17 26.0	2.007	3.012	1.8	21.7		
5 11	14 2.37	-33 23.6	2.093	3.053	7.1	20.7	5 11	14 5.01	-16 48.2	2.033	3.016	5.3	22.0		
5 21	13 53.54	-32 17.6	2.114	3.039	9.3	20.8	5 21	13 57.93	-16 12.1	2.085	3.020	8.8	22.2		
5 31	13 46.79	-31 5.5	2.160	3.024	11.9	20.9	5 31	13 52.69	-15 42.0	2.161	3.024	12.0	22.4		
203257	2001 <i>QC</i> ₁₅₃	4 26.7 197°32 2°7/24.7 17						250263	2003 <i>CR</i> ₅	4 26.7 109°04 6°6/21.1 18					
3 22	14 45.64	- 9 11.4	1.812	2.648	14.2	21.7	3 22	14 44.05	+ 3 1.9	1.987	2.826	13.0	21.1		
4 1	14 40.12	- 8 28.9	1.730	2.646	10.7	21.5	4 1	14 38.38	+ 4 13.3	1.940	2.848	10.2	21.0		
4 11	14 32.28	- 7 39.7	1.672	2.642	6.8	21.2	4 11	14 30.85	+ 5 19.7	1.918	2.869	7.7	20.9		
4 21	14 22.80	- 6 48.0	1.639	2.638	3.2	21.0	4 21	14 22.19	+ 6 14.8	1.922	2.890	6.6	20.8		
5 1	14 12.70	- 5 59.6	1.635	2.633	4.0	21.0	5 1	14 13.29	+ 6 53.0	1.954	2.910	7.6	20.9		
5 11	14 3.08	- 5 20.2	1.659	2.627	7.9	21.3	5 11	14 5.04	+ 7 11.2	2.011	2.930	9.9	21.1		
5 21	13 54.92	- 4 54.0	1.708	2.620	11.9	21.5	5 21	13 58.18	+ 7 8.7	2.093	2.949	12.5	21.3		
5 31	13 48.93	- 4 43.7	1.779	2.613	15.4	21.7	5 31	13 53.19	+ 6 46.8	2.195	2.967	14.8	21.5		
65528	6118 <i>P-L</i>	4 26.7 219°72 4°4/20.9 18						459026	2011 <i>YA</i> ₄₁	4 26.7 185°12 3°5/29.2 16					
3 22	14 37.03	- 1 49.2	2.713	3.553	9.9	20.0	3 22	14 45.43	-24 20.9	1.698	2.501	16.5	21.9		
4 1	14 32.90	- 0 22.4	2.633	3.546	7.6	19.8	4 1	14 40.36	-24 23.1	1.614	2.501	13.1	21.7		
4 11	14 27.38	+ 1 6.0	2.579	3.539	5.4	19.6	4 11	14 32.63	-24 6.9	1.551	2.501	9.3	21.5		
4 21	14 20.93	+ 2 30.8	2.554	3.532	4.4	19.6	4 21	14 23.00	-23 31.9	1.512	2.500	5.3	21.2		
5 1	14 14.14	+ 3 46.7	2.559	3.525	5.5	19.6	5 1	14 12.61	-22 40.7	1.499	2.499	3.6	21.1		
5 11	14 7.63	+ 4 49.1	2.591	3.517	7.7	19.7	5 11	14 2.77	-21 39.3	1.514	2.498	6.7	21.3		
5 21	14 1.98	+ 5 35.2	2.650	3.509	10.1	19.9	5 21	13 54.62	-20 35.1	1.554	2.496	10.8	21.5		
5 31	13 57.64	+ 6 3.7	2.730	3.500	12.2	20.0	5 31	13 48.95	-19 36.0	1.616	2.494	14.5	21.7		
409104	2003 <i>SX</i> ₄₁₀	4 26.7 128°92 2°1/28.3 16						157447	2004 <i>VM</i> ₂₃	4 26.7 242°40 0°2/26.5 18					
3 22	14 46.88	-21 8.4	1.931	2.734	14.8	23.2	3 22	14 42.52	-14 38.8	2.211	3.032	12.5	20.7		
4 1	14 40.89	-21 4.5	1.859	2.750	11.5	23.0	4 1	14 37.55	-14 21.0	2.112	3.018	9.5	20.5		
4 11	14 32.64	-20 46.4	1.810	2.766	7.7	22.8	4 11	14 30.60	-13 54.4	2.037	3.004	6.1	20.2		
4 21	14 22.89	-20 15.2	1.786	2.780	3.8	22.6	4 21	14 22.21	-13 21.0	1.988	2.989	2.2	19.9		
5 1	14 12.68	-19 33.8	1.791	2.794	2.4	22.6	5 1	14 13.19	-12 44.1	1.969	2.973	1.8	19.9		
5 11	14 3.10	-18 47.2	1.825	2.808	5.8	22.8	5 11	14 4.46	-12 7.9	1.978	2.957	5.8	20.1		
5 21	13 55.07	-18 1.3	1.884	2.821	9.6	23.1	5 21	13 56.85	-11 36.8	2.014	2.941	9.6	20.3		
5 31	13 49.22	-17 21.4	1.968	2.832	12.9	23.3	5 31	13 51.02	-11 14.4	2.073	2.924	12.9	20.5		
128369	2004 <i>HT</i> ₆₂	4 26.7 298°18 0°4/27.0 18						154835	2004 <i>RT</i> ₂₇	4 26.7 204°43 2°4/29.0 18					
3 22	14 39.24	-16 36.8	2.109	2.934	12.9	20.4	3 22	14 40.13	-23 0.6	2.651	3.441	11.5	20.3		
4 1	14 35.22	-16 21.9	2.007	2.915	9.9	20.2	4 1								

EPHEMERIDES

4 26.7

4 26.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
184716	2005 SG ₁₅₅	4 26.7 270°51		0°8/26.2 18			220983	2005 NZ ₁₄	4 26.7 337°90		1°0/26.1 17		
3 22	14 47.44	-11 42.6	1.934	2.759	13.9	20.0	3 22	14 38.03	-13 41.0	1.241	2.105	17.7	20.3
4 1	14 41.77	-11 46.2	1.824	2.732	10.7	19.8	4 1	14 35.42	-13 19.5	1.163	2.092	13.5	20.0
4 11	14 33.58	-11 44.2	1.736	2.705	6.8	19.5	4 11	14 29.86	-12 44.9	1.104	2.081	8.6	19.7
4 21	14 23.42	-11 38.0	1.676	2.676	2.5	19.1	4 21	14 22.10	-12 0.9	1.068	2.070	3.1	19.3
5 1	14 12.24	-11 30.2	1.644	2.648	2.4	19.1	5 1	14 13.36	-11 13.7	1.055	2.060	3.0	19.3
5 11	14 1.18	-11 24.3	1.640	2.618	7.0	19.3	5 11	14 5.16	-10 31.2	1.066	2.051	8.7	19.6
5 21	13 51.35	-11 23.9	1.663	2.588	11.4	19.5	5 21	13 58.77	-10 0.5	1.099	2.044	13.9	19.9
5 31	13 43.67	-11 32.2	1.709	2.557	15.2	19.6	5 31	13 55.15	-9 46.6	1.151	2.037	18.5	20.1
17763	1998 EG	4 26.7 332°73		4°3/23.3 17			274614	2008 TK ₅₉	4 26.7 305°93		1°5/25.5 17		
3 22	14 40.09	- 5 33.8	1.679	2.533	14.3	18.8	3 22	14 39.27	-12 51.3	1.784	2.627	14.1	21.1
4 1	14 36.04	- 4 36.5	1.607	2.531	10.8	18.5	4 1	14 35.42	-12 8.3	1.701	2.620	10.7	20.8
4 11	14 29.74	- 3 35.1	1.557	2.528	7.1	18.3	4 11	14 29.38	-11 14.9	1.640	2.613	6.7	20.6
4 21	14 21.91	- 2 35.8	1.533	2.526	4.5	18.1	4 21	14 21.81	-10 15.2	1.604	2.605	2.5	20.3
5 1	14 13.51	- 1 45.3	1.535	2.524	5.6	18.2	5 1	14 13.62	- 9 14.8	1.596	2.598	2.9	20.3
5 11	14 5.62	- 1 9.5	1.562	2.522	9.1	18.4	5 11	14 5.88	- 8 20.2	1.615	2.592	7.2	20.5
5 21	13 59.17	- 0 51.9	1.614	2.520	12.9	18.6	5 21	13 59.47	- 7 36.7	1.658	2.585	11.3	20.8
5 31	13 54.81	- 0 53.9	1.686	2.518	16.2	18.8	5 31	13 55.09	- 7 8.3	1.723	2.578	14.8	21.0
86220	1999 TX ₆₀	4 26.7 316°93		0°2/26.8 17			502163	2015 BK ₅₈	4 26.7 304°89		3°4/24.4 17		
3 22	14 37.88	-16 23.5	2.046	2.876	13.0	19.7	3 22	14 41.35	- 7 10.8	1.660	2.511	14.6	21.1
4 1	14 34.18	-15 59.7	1.953	2.864	10.0	19.5	4 1	14 37.14	- 6 36.0	1.579	2.502	11.1	20.9
4 11	14 28.52	-15 24.8	1.883	2.851	6.4	19.2	4 11	14 30.55	- 5 56.4	1.520	2.493	7.1	20.6
4 21	14 21.47	-14 41.1	1.839	2.839	2.4	19.0	4 21	14 22.26	- 5 16.8	1.486	2.483	3.7	20.4
5 1	14 13.82	-13 52.6	1.823	2.828	1.8	18.9	5 1	14 13.28	- 4 43.0	1.479	2.474	4.7	20.4
5 11	14 6.52	-13 4.2	1.833	2.816	5.9	19.1	5 11	14 4.73	- 4 20.3	1.497	2.466	8.6	20.6
5 21	14 0.36	-12 21.1	1.870	2.805	9.7	19.3	5 21	13 57.64	- 4 12.3	1.540	2.457	12.6	20.8
5 31	13 56.00	-11 47.5	1.930	2.794	13.1	19.5	5 31	13 52.73	- 4 21.0	1.603	2.449	16.2	21.0
396456	2014 FF ₁₆	4 26.7 344°57		0°2/26.6 17			374497	2005 YZ ₁₁₄	4 26.7 156°51		1°1/25.7 17		
3 22	14 38.14	-15 7.0	1.986	2.821	13.2	21.0	3 22	14 43.00	-11 58.0	2.347	3.170	11.8	22.6
4 1	14 34.36	-14 46.3	1.903	2.816	10.0	20.8	4 1	14 37.58	-11 30.1	2.269	3.178	8.9	22.4
4 11	14 28.61	-14 15.7	1.842	2.812	6.4	20.6	4 11	14 30.43	-10 55.9	2.217	3.185	5.5	22.2
4 21	14 21.49	-13 37.9	1.807	2.808	2.3	20.3	4 21	14 22.12	-10 18.0	2.192	3.192	2.1	22.0
5 1	14 13.83	-12 56.7	1.799	2.804	1.9	20.2	5 1	14 13.43	- 9 40.1	2.196	3.198	2.3	22.0
5 11	14 6.57	-12 17.1	1.819	2.801	6.0	20.5	5 11	14 5.17	- 9 6.3	2.229	3.203	5.7	22.2
5 21	14 0.51	-11 43.5	1.864	2.798	9.8	20.7	5 21	13 58.04	- 8 39.9	2.290	3.208	9.0	22.4
5 31	13 56.29	-11 19.8	1.932	2.796	13.1	20.9	5 31	13 52.59	- 8 23.5	2.375	3.212	11.9	22.6
502845	2015 DW ₁₆₇	4 26.7 87°17		4°4/22.7 17			55794	1993 TV ₁₄	4 26.7 182°42		0°2/26.9 17		
3 22	14 39.59	- 4 28.7	1.929	2.778	12.9	21.7	3 22	14 43.59	-16 8.4	2.190	3.006	12.8	20.4
4 1	14 35.26	- 3 19.4	1.866	2.787	9.8	21.5	4 1	14 38.27	-15 48.9	2.104	3.007	9.8	20.2
4 11	14 29.05	- 2 7.7	1.828	2.796	6.6	21.3	4 11	14 30.99	-15 19.5	2.042	3.008	6.2	20.0
4 21	14 21.60	- 0 59.6	1.815	2.805	4.5	21.2	4 21	14 22.36	-14 42.4	2.007	3.007	2.4	19.8
5 1	14 13.78	- 0 1.4	1.831	2.813	5.6	21.3	5 1	14 13.23	-14 0.8	2.001	3.006	1.7	19.7
5 11	14 6.49	+ 0 41.7	1.872	2.822	8.6	21.5	5 11	14 4.52	-13 19.4	2.024	3.005	5.6	20.0
5 21	14 0.48	+ 1 6.9	1.939	2.831	11.7	21.7	5 21	13 57.02	-12 42.5	2.074	3.003	9.2	20.2
5 31	13 56.29	+ 1 13.3	2.026	2.839	14.5	21.9	5 31	13 51.35	-12 14.0	2.148	3.000	12.4	20.4
320	Katharina	4 26.7 212°76		0°2/26.9 18			468344	2016 EN ₇₉	4 26.7 329°44		6°5/22.8 17		
3 22	14 38.82	-17 26.1	2.516	3.331	11.4	16.1	3 22	14 39.91	- 2 3.7	1.292	2.163	16.7	20.2
4 1	14 34.46	-16 48.7	2.424	3.327	8.7	15.9	4 1	14 36.65	- 1 12.7	1.217	2.148	12.9	19.9
4 11	14 28.48	-16 0.8	2.357	3.322	5.6	15.7	4 11	14 30.54	- 0 21.0	1.163	2.134	9.1	19.7
4 21	14 21.40	-15 4.7	2.317	3.317	2.1	15.5	4 21	14 22.33	+ 0 23.7	1.131	2.121	6.5	19.5
5 1	14 13.91	-14 4.2	2.306	3.311	1.5	15.4	5 1	14 13.22	+ 0 53.1	1.123	2.108	7.9	19.5
5 11	14 6.75	-13 3.8	2.325	3.306	5.0	15.6	5 11	14 4.62	+ 1 0.6	1.138	2.096	11.8	19.7
5 21	14 0.59	-12 8.2	2.371	3.300	8.2	15.8	5 21	13 57.76	+ 0 43.6	1.174	2.086	16.1	19.9
5 31	13 55.93	-11 21.3	2.442	3.294	11.1	16.0	5 31	13 53.54	+ 0 2.3	1.227	2.076	20.0	20.1
19207	1992 QS ₁	4 26.7 182°47		3°9/23.9 18			503401	2016 CC ₂₁₅	4 26.7 309°97		1°9/25.6 17		
3 22	14 45.53	- 4 57.8	1.818	2.658	14.0	17.6	3 22	14 41.79	-11 4.6	1.338	2.196	17.0	21.1
4 1	14 39.97	- 4 21.4	1.743	2.659	10.6	17.4	4 1	14 38.18	-10 45.2	1.253	2.179	13.0	20.8
4 11	14 32.16	- 3 42.9	1.691	2.659	7.0	17.2	4 11	14 31.60	-10 16.6	1.188	2.163	8.3	20.5
4 21	14 22.80	- 3 7.0	1.666	2.659	4.1	17.0	4 21	14 22.76	- 9 42.4	1.146	2.147	3.3	20.2
5 1	14 12.87	- 2 39.0	1.668	2.658	5.0	17.1	5 1	14 12.86	- 9 8.5	1.129	2.131	3.7	20.2
5 11	14 3.47	- 2 23.2	1.698	2.657	8.5	17.3	5 11	14 3.38	- 8 41.6	1.136	2.116	9.0	20.4
5 21	13 55.51	- 2 22.4	1.752	2.655	12.1	17.5	5 21	13 55.64	- 8 27.4	1.165	2.102	14.1	20.6
5 31	13 49.69	- 2 37.4	1.828	2.653	15.4	17.7	5 31	13 50.64	- 8 29.6	1.214	2.088	18.6	20.9
310543	2001 DX ₂₅	4 26.7 63°84		3°4/24.6 18			247802	2003 SD ₇₆	4 26.7 248°20		2°5/28.5 17		
3 22	14 44.66	- 8 14.4	1.359	2.215	16.9	20.3	3 22	14 43.23	-21 9.6	2.057	2.863	13.9	20.1
4 1	14 39.63	- 7 30.7	1.312	2.237	12.7	20.1	4 1	14 38.30	-21 22.6	1.966	2.857	10.9	19.9
4 11	14 31.98	- 6 41.6	1.285	2.259	8.0	19.9	4 11	14 31.19	-21 23.5	1.896	2.851	7.5	19.7
4 21	14 22.69	- 5 53.2	1.283	2.281	3.9	19.7	4 21	14 22.49	-21 12.0	1.853	2.845	4.0	19.5
5 1	14 13.02	- 5 12.4	1.307	2.304	4.8	19.8	5 1	14 13.11	-20 49.9	1.836	2.838	2.7	19.4
5 11	14 4.29	- 4 45.0	1.356	2.326	9.0	20.1	5 11	14 4.09	-20 20.9	1.848	2.832	5.7	19.6
5 21	13 57.49	- 4 34.2	1.428	2.349	13.2	20.4	5 21	13 56.35	-19 49.7	1.886	2.825	9.4	19.8
5 31	13 53.22	- 4 41.1	1.520	2.371	16.7	20.7	5 31	13 50.61	-19 21.3	1.948	2.819	12.7	20.0
256894	2008 DR ₄₃	4 26.7 353°04		2°6/29.1 17			503963	2004 RE ₈₈	4 26.7 230°18		0°3/26.4 17		
3 22	14 36.68	-23 48.2	1.878	2.692	14.7	20.1	3 22	14 41.82	-15 7.5	2.218			

EPHEMERIDES

4 26.7

4 26.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
502835	2015 <i>DG</i> ₁₅₂		4 26.7	97°65	2°8/24.5	17	308002	2004 <i>RY</i> ₁₀₄		4 26.7	261°64	2°8/28.6	16
3 22	14 41.39	- 7 55.7	1.941	2.783	13.2	21.5	3 22	14 45.00	-22 39.2	1.678	2.488	16.3	21.4
4 1	14 36.68	- 7 19.3	1.871	2.789	9.9	21.3	4 1	14 40.36	-22 31.5	1.572	2.466	13.0	21.1
4 11	14 30.00	- 6 38.5	1.824	2.795	6.3	21.1	4 11	14 32.91	-22 5.5	1.488	2.443	9.0	20.8
4 21	14 21.99	- 5 57.7	1.804	2.801	3.1	20.9	4 21	14 23.27	-21 20.7	1.427	2.420	4.8	20.5
5 1	14 13.54	- 5 21.5	1.811	2.807	3.9	21.0	5 1	14 12.53	-20 19.4	1.393	2.396	3.0	20.3
5 11	14 5.61	- 4 54.5	1.846	2.813	7.3	21.2	5 11	14 2.07	-19 8.0	1.386	2.371	7.0	20.5
5 21	13 58.97	- 4 39.9	1.906	2.819	10.8	21.4	5 21	13 53.13	-17 54.7	1.404	2.346	11.7	20.7
5 31	13 54.23	- 4 39.3	1.988	2.825	13.9	21.6	5 31	13 46.71	-16 48.0	1.444	2.320	16.1	20.9
471237	2011 <i>AC</i> ₇₂		4 26.7	19°05	1°0/21.5	18	147873	2006 <i>QD</i> ₂₇		4 26.7	217°57	0°6/26.2	17
3 22	14 23.48	+ 1 15.0	13.701	14.533	2.2	22.5	3 22	14 44.68	-13 46.3	2.072	2.895	13.2	21.2
4 1	14 21.94	+ 1 28.2	13.647	14.554	1.7	22.5	4 1	14 39.28	-13 24.2	1.978	2.886	10.0	20.9
4 11	14 20.18	+ 1 40.8	13.621	14.576	1.2	22.5	4 11	14 31.76	-12 53.3	1.909	2.877	6.4	20.7
4 21	14 18.29	+ 1 52.0	13.623	14.597	1.0	22.4	4 21	14 22.71	-12 15.9	1.866	2.866	2.3	20.4
5 1	14 16.36	+ 2 1.6	13.655	14.619	1.2	22.5	5 1	14 13.02	-11 35.8	1.852	2.855	2.1	20.4
5 11	14 14.48	+ 2 8.8	13.716	14.641	1.6	22.5	5 11	14 3.69	-10 57.7	1.866	2.844	6.3	20.6
5 21	14 12.73	+ 2 13.6	13.803	14.662	2.2	22.6	5 21	13 55.60	-10 26.2	1.907	2.832	10.2	20.8
5 31	14 11.19	+ 2 15.6	13.916	14.684	2.7	22.6	5 31	13 49.45	-10 4.9	1.972	2.818	13.6	21.0
382628	2002 <i>PA</i> ₁₈₂		4 26.7	167°09	2°8/24.1	17	354759	2005 <i>UC</i> ₅₀		4 26.7	131°69	1°3/27.5	18
3 22	14 40.75	- 6 55.1	2.356	3.191	11.4	21.6	3 22	14 48.87	-18 4.3	1.614	2.434	16.4	21.5
4 1	14 35.90	- 6 14.8	2.280	3.195	8.5	21.4	4 1	14 42.83	-18 4.6	1.544	2.447	12.7	21.2
4 11	14 29.38	- 5 31.2	2.228	3.197	5.5	21.2	4 11	14 34.12	-17 51.7	1.496	2.459	8.3	21.0
4 21	14 21.75	- 4 48.2	2.204	3.200	3.0	21.0	4 21	14 23.57	-17 26.7	1.473	2.471	3.5	20.7
5 1	14 13.75	- 4 9.9	2.209	3.202	3.7	21.1	5 1	14 12.42	-16 53.1	1.477	2.482	2.2	20.7
5 11	14 6.14	- 3 40.1	2.242	3.204	6.6	21.3	5 11	14 2.00	-16 16.4	1.509	2.493	6.7	21.0
5 21	13 59.60	- 3 21.7	2.302	3.205	9.7	21.5	5 21	13 53.39	-15 42.6	1.566	2.502	11.1	21.3
5 31	13 54.63	- 3 16.1	2.385	3.206	12.3	21.7	5 31	13 47.34	-15 16.9	1.645	2.511	14.9	21.5
70245	1999 <i>RW</i> ₈₁		4 26.7	75°85	4°1/29.5	18	299924	2006 <i>TW</i> ₈		4 26.7	157°19	0°1/26.6	18
3 22	14 45.45	-24 35.6	1.509	2.319	17.8	18.9	3 22	14 39.69	-15 16.9	2.765	3.580	10.5	22.1
4 1	14 40.52	-24 50.8	1.442	2.333	14.2	18.7	4 1	14 34.91	-14 52.9	2.683	3.586	7.9	22.0
4 11	14 32.78	-24 46.6	1.395	2.346	10.1	18.5	4 11	14 28.68	-14 21.5	2.625	3.591	5.0	21.8
4 21	14 23.09	-24 22.4	1.372	2.359	6.0	18.3	4 21	14 21.50	-13 44.7	2.596	3.596	1.8	21.6
5 1	14 12.75	-23 40.8	1.373	2.372	4.2	18.2	5 1	14 13.98	-13 5.4	2.596	3.601	1.4	21.5
5 11	14 3.19	-22 48.1	1.401	2.386	7.1	18.4	5 11	14 6.80	-12 27.2	2.626	3.605	4.6	21.8
5 21	13 55.54	-21 52.1	1.453	2.399	11.1	18.7	5 21	14 0.55	-11 53.4	2.684	3.609	7.6	22.0
5 31	13 50.56	-21 0.7	1.528	2.412	14.8	19.0	5 31	13 55.68	-11 26.6	2.766	3.613	10.1	22.2
378998	2008 <i>UZ</i> ₃₁₆		4 26.7	82°33	2°4/28.9	18	206118	2002 <i>RJ</i> ₂₅₄		4 26.7	192°93	0°2/26.9	17
3 22	14 41.24	-23 5.2	2.131	2.931	13.6	21.1	3 22	14 40.65	-16 21.9	2.276	3.096	12.3	21.4
4 1	14 36.50	-22 52.4	2.060	2.947	10.7	20.9	4 1	14 36.00	-15 59.3	2.190	3.095	9.4	21.2
4 11	14 29.84	-22 25.1	2.011	2.964	7.3	20.7	4 11	14 29.55	-15 27.1	2.128	3.094	6.0	21.0
4 21	14 21.93	-21 44.5	1.989	2.980	3.9	20.5	4 21	14 21.86	-14 47.2	2.092	3.092	2.3	20.7
5 1	14 13.64	-20 53.8	1.994	2.996	2.5	20.5	5 1	14 13.70	-14 3.1	2.085	3.090	1.6	20.7
5 11	14 5.90	-19 58.0	2.027	3.012	5.2	20.7	5 11	14 5.92	-13 19.3	2.107	3.088	5.4	20.9
5 21	13 59.46	-19 2.6	2.087	3.027	8.6	20.9	5 21	13 59.26	-12 40.0	2.156	3.086	8.8	21.1
5 31	13 54.88	-18 12.7	2.172	3.043	11.6	21.1	5 31	13 54.28	-12 9.0	2.228	3.084	11.9	21.3
70321	1999 <i>RC</i> ₁₄₉		4 26.7	230°92	3°1/28.8	18	470540	2008 <i>DH</i> ₅₅		4 26.7	48°14	6°0/1.9	17
3 22	14 45.56	-22 31.9	1.803	2.609	15.6	19.8	3 22	14 43.56	-32 18.9	2.381	3.128	13.9	20.9
4 1	14 40.45	-22 42.2	1.710	2.600	12.4	19.6	4 1	14 38.49	-33 1.6	2.292	3.129	11.7	20.7
4 11	14 32.75	-22 37.3	1.638	2.591	8.6	19.3	4 11	14 31.28	-33 28.1	2.224	3.131	9.3	20.5
4 21	14 23.13	-22 16.6	1.591	2.582	4.8	19.1	4 21	14 22.55	-33 36.2	2.181	3.132	7.1	20.4
5 1	14 12.66	-21 41.8	1.570	2.572	3.2	19.0	5 1	14 13.16	-33 25.4	2.164	3.134	6.0	20.3
5 11	14 2.59	-20 57.7	1.577	2.561	6.5	19.1	5 11	14 4.12	-32 58.2	2.174	3.136	6.8	20.4
5 21	13 54.02	-20 10.4	1.610	2.551	10.6	19.3	5 21	13 56.33	-32 19.2	2.210	3.137	8.8	20.5
5 31	13 47.80	-19 26.9	1.666	2.539	14.4	19.5	5 31	13 50.48	-31 34.1	2.271	3.139	11.3	20.7
469686	2004 <i>XV</i> ₁₇₇		4 26.7	173°10	1°8/28.5	17	258927	2002 <i>RC</i> ₆₇		4 26.7	187°05	1°6/28.1	17
3 22	14 41.24	-22 29.5	2.245	3.045	13.1	21.9	3 22	14 43.82	-21 10.0	2.205	3.006	13.2	21.6
4 1	14 36.49	-21 57.6	2.158	3.047	10.2	21.7	4 1	14 38.50	-20 46.1	2.115	3.006	10.3	21.4
4 11	14 29.86	-21 10.8	2.094	3.049	6.9	21.5	4 11	14 31.18	-20 8.4	2.048	3.005	6.9	21.2
4 21	14 21.96	-20 10.7	2.057	3.051	3.4	21.3	4 21	14 22.47	-19 18.0	2.008	3.003	3.3	20.9
5 1	14 13.61	-19 1.0	2.048	3.052	2.0	21.2	5 1	14 13.25	-18 18.5	1.997	3.001	2.0	20.8
5 11	14 5.72	-17 47.3	2.068	3.052	5.2	21.4	5 11	14 4.46	-17 15.0	2.014	2.998	5.4	21.0
5 21	13 59.03	-16 35.6	2.116	3.053	8.6	21.6	5 21	13 56.92	-16 13.3	2.059	2.994	9.0	21.3
5 31	13 54.12	-15 31.3	2.188	3.052	11.8	21.8	5 31	13 51.25	-15 18.6	2.129	2.989	12.2	21.5
215623	2003 <i>SL</i> ₂₂₉		4 26.7	246°30	1°9/25.0	17	171988	2001 <i>TB</i> ₂₀₂		4 26.7	202°12	3°7/23.4	18
3 22	14 39.48	-11 23.1	2.012	2.851	12.9	20.7	3 22	14 41.55	- 2 36.2	2.464	3.298	11.0	20.1
4 1	14 35.30	-10 34.8	1.930	2.847	9.7	20.4	4 1	14 36.46	- 2 7.1	2.384	3.296	8.4	20.0
4 11	14 29.18	- 9 38.3	1.872	2.843	6.1	20.2	4 11	14 29.74	- 1 38.3	2.329	3.293	5.7	19.8
4 21	14 21.73	- 8 37.6	1.840	2.840	2.5	20.0	4 21	14 21.91	- 1 13.3	2.302	3.290	3.8	19.6
5 1	14 13.78	- 7 38.2	1.836	2.836	3.1	20.0	5 1	14 13.68	- 0 55.7	2.303	3.287	4.5	19.7
5 11	14 6.25	- 6 45.6	1.860	2.832	6.9	20.2	5 11	14 5.80	- 0 48.5	2.333	3.283	7.1	19.8
5 21	13 59.92	- 6 4.5	1.910	2.828	10.5	20.4	5 21	13 58.93	- 0 53.4	2.389	3.279	9.9	20.0
5 31	13 55.41	- 5 37.8	1.982	2.824	13.7	20.6	5 31	13 53.58	- 1 10.9	2.468	3.275	12.4	20.2
250083	2002 <i>EH</i> ₁₆₂		4 26.7	322°32	4°2/23.9	17	247884	20					

EPHEMERIDES

4 26.7

4 26.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
386114	2007 RA ₁₆₉		4 26.7 196°06	0°4/26.3	17		43380	2000 WJ ₄₄		4 26.7 79°53	2°4/25.1	18	
3 22	14 41.28	-14 1.4	2.263	3.087	12.2	21.8	3 22	14 42.35	-11 11.0	1.480	2.331	16.1	19.4
4 1	14 36.48	-13 42.1	2.177	3.086	9.2	21.6	4 1	14 38.04	-10 23.7	1.411	2.335	12.1	19.1
4 11	14 29.85	-13 15.0	2.116	3.084	5.8	21.3	4 11	14 31.16	-9 26.5	1.364	2.338	7.6	18.9
4 21	14 21.98	-12 42.2	2.082	3.082	2.1	21.1	4 21	14 22.53	-8 24.9	1.342	2.342	3.2	18.6
5 1	14 13.63	-12 7.2	2.076	3.080	1.9	21.1	5 1	14 13.28	-7 25.8	1.346	2.346	3.9	18.7
5 11	14 5.65	-11 34.0	2.099	3.078	5.6	21.3	5 11	14 4.69	-6 36.4	1.375	2.350	8.4	18.9
5 21	13 58.79	-11 6.5	2.148	3.075	9.1	21.5	5 21	13 57.79	-6 2.2	1.428	2.354	12.8	19.2
5 31	13 53.63	-10 47.8	2.222	3.072	12.1	21.7	5 31	13 53.31	-5 46.3	1.501	2.357	16.6	19.4
388416	2006 WR ₁₇₈		4 26.7 143°99	1°7/25.2	18		181120	2005 QM ₁₀₉		4 26.7 189°29	0°6/26.1	17	
3 22	14 41.53	-8 43.6	2.484	3.313	11.1	21.6	3 22	14 38.61	-13 59.6	2.656	3.478	10.6	21.4
4 1	14 36.42	-8 29.3	2.406	3.318	8.3	21.4	4 1	14 34.20	-13 26.8	2.569	3.477	8.0	21.2
4 11	14 29.70	-8 11.8	2.353	3.322	5.2	21.2	4 11	14 28.30	-12 46.8	2.508	3.476	5.0	21.0
4 21	14 21.90	-7 53.6	2.327	3.326	2.3	21.0	4 21	14 21.39	-12 1.8	2.474	3.475	1.8	20.8
5 1	14 13.71	-7 37.5	2.331	3.330	2.7	21.0	5 1	14 14.12	-11 15.4	2.470	3.473	1.8	20.8
5 11	14 5.91	-7 26.6	2.364	3.334	5.7	21.2	5 11	14 7.17	-10 31.4	2.495	3.472	5.0	21.0
5 21	13 59.12	-7 22.9	2.423	3.338	8.8	21.4	5 21	14 1.14	-9 53.3	2.547	3.470	8.0	21.2
5 31	13 53.87	-7 28.3	2.507	3.341	11.4	21.6	5 31	13 56.52	-9 24.1	2.624	3.467	10.7	21.4
34937	9063 P-L		4 26.7 94°18	0°7/26.2	18		273670	2007 DR ₁₁₂		4 26.7 203°16	0°6/26.2	17	
3 22	14 43.42	-15 43.6	1.417	2.260	17.1	18.3	3 22	14 42.57	-13 36.1	1.921	2.752	13.7	20.9
4 1	14 38.91	-14 58.6	1.352	2.270	12.9	18.1	4 1	14 37.77	-13 16.6	1.838	2.750	10.4	20.7
4 11	14 31.72	-13 58.8	1.308	2.280	8.1	17.8	4 11	14 30.83	-12 48.4	1.779	2.749	6.6	20.4
4 21	14 22.71	-12 48.7	1.289	2.290	2.9	17.6	4 21	14 22.39	-12 14.1	1.746	2.747	2.4	20.2
5 1	14 13.13	-11 35.6	1.295	2.300	2.7	17.6	5 1	14 13.37	-11 37.6	1.741	2.745	2.2	20.1
5 11	14 4.32	-10 27.8	1.327	2.309	7.8	17.9	5 11	14 4.81	-11 3.9	1.763	2.743	6.4	20.4
5 21	13 57.36	-9 32.6	1.384	2.318	12.4	18.2	5 21	13 57.57	-10 37.2	1.812	2.741	10.3	20.6
5 31	13 52.95	-8 54.7	1.461	2.328	16.4	18.4	5 31	13 52.32	-10 21.1	1.883	2.738	13.8	20.9
322644	1998 UV ₃		4 26.7 277°27	0°9/27.4	17		505814	2015 BR ₄₂₇		4 26.7 193°33	0°4/27.0	17	
3 22	14 41.32	-18 45.6	1.652	2.482	15.7	21.0	3 22	14 42.76	-16 34.9	2.035	2.856	13.5	21.6
4 1	14 37.32	-18 20.7	1.562	2.471	12.1	20.8	4 1	14 37.84	-16 19.3	1.950	2.855	10.3	21.4
4 11	14 30.79	-17 39.8	1.494	2.460	8.0	20.5	4 11	14 30.83	-15 53.1	1.888	2.853	6.6	21.2
4 21	14 22.43	-16 45.1	1.450	2.449	3.3	20.2	4 21	14 22.39	-15 18.3	1.852	2.852	2.6	20.9
5 1	14 13.28	-15 41.1	1.433	2.438	2.0	20.1	5 1	14 13.38	-14 38.3	1.844	2.850	1.7	20.8
5 11	14 4.57	-14 34.9	1.442	2.427	6.8	20.3	5 11	14 4.80	-13 57.8	1.865	2.847	5.8	21.1
5 21	13 57.36	-13 33.7	1.476	2.416	11.4	20.6	5 21	13 57.49	-13 21.6	1.912	2.845	9.7	21.3
5 31	13 52.48	-12 44.1	1.532	2.405	15.4	20.8	5 31	13 52.12	-12 53.9	1.982	2.842	13.0	21.5
65560	2175 T ₋₂		4 26.7 261°90	3°9/29.9	17		331897	2004 PD ₃₈		4 26.7 222°53	5°6/21.0	17	
3 22	14 43.22	-25 48.4	2.374	3.154	13.0	20.1	3 22	14 40.71	+0 16.7	2.246	3.087	11.7	21.2
4 1	14 38.16	-26 18.6	2.277	3.146	10.6	19.9	4 1	14 36.03	+1 33.9	2.166	3.077	9.1	21.0
4 11	14 31.06	-26 36.0	2.202	3.138	7.8	19.8	4 11	14 29.57	+2 51.2	2.111	3.068	6.7	20.9
4 21	14 22.48	-26 39.5	2.152	3.130	5.1	19.6	4 21	14 21.90	+4 2.6	2.083	3.057	5.6	20.8
5 1	14 13.24	-26 29.5	2.130	3.122	4.0	19.5	5 1	14 13.75	+5 1.8	2.083	3.046	6.7	20.8
5 11	14 4.26	-26 8.4	2.137	3.114	5.7	19.6	5 11	14 5.95	+5 44.2	2.110	3.035	9.2	20.9
5 21	13 56.42	-25 40.2	2.170	3.106	8.5	19.7	5 21	13 59.22	+6 7.2	2.162	3.023	11.9	21.1
5 31	13 50.39	-25 10.0	2.228	3.098	11.4	19.9	5 31	13 54.13	+6 10.3	2.235	3.011	14.5	21.3
43029	1999 VT ₂₄		4 26.7 179°94	1°5/25.5	18	R	353657	2011 UT ₁₃₄		4 26.7 226°43	1°1/25.8	17	
3 22	14 44.08	-11 49.4	2.040	2.869	13.1	19.4	3 22	14 41.07	-10 59.3	2.520	3.345	11.0	21.4
4 1	14 38.72	-11 13.2	1.959	2.871	9.9	19.2	4 1	14 36.16	-10 48.3	2.431	3.340	8.3	21.2
4 11	14 31.32	-10 29.1	1.902	2.872	6.2	19.0	4 11	14 29.60	-10 32.6	2.366	3.335	5.2	21.0
4 21	14 22.54	-9 40.6	1.872	2.872	2.4	18.7	4 21	14 21.90	-10 14.3	2.329	3.330	2.0	20.8
5 1	14 13.24	-8 52.5	1.870	2.872	2.8	18.7	5 1	14 13.75	-9 56.1	2.322	3.324	2.1	20.8
5 11	14 4.41	-8 9.6	1.897	2.871	6.6	19.0	5 11	14 5.90	-9 41.1	2.343	3.319	5.4	21.0
5 21	13 56.87	-7 36.4	1.951	2.869	10.3	19.2	5 21	13 59.03	-9 31.9	2.392	3.313	8.6	21.2
5 31	13 51.25	-7 15.9	2.027	2.867	13.5	19.4	5 31	13 53.67	-9 30.8	2.465	3.307	11.4	21.4
416444	2003 UL ₃₈₀		4 26.7 146°16	0°1/26.8	17		300052	2006 UW ₁₆₉		4 26.7 188°64	1°5/25.2	17	
3 22	14 46.79	-14 45.4	1.753	2.579	15.1	22.0	3 22	14 39.15	-10 48.0	2.665	3.492	10.4	22.1
4 1	14 41.11	-14 42.9	1.677	2.586	11.5	21.8	4 1	14 34.58	-10 11.9	2.580	3.491	7.8	21.9
4 11	14 32.99	-14 30.9	1.625	2.592	7.3	21.6	4 11	14 28.53	-9 30.4	2.521	3.490	4.9	21.7
4 21	14 23.18	-14 11.3	1.598	2.598	2.7	21.3	4 21	14 21.49	-8 46.4	2.489	3.489	2.0	21.5
5 1	14 12.76	-13 47.4	1.598	2.603	2.0	21.2	5 1	14 14.08	-8 3.4	2.487	3.487	2.4	21.6
5 11	14 2.92	-13 23.8	1.627	2.608	6.6	21.5	5 11	14 7.00	-7 25.1	2.515	3.485	5.4	21.8
5 21	13 54.67	-13 5.0	1.681	2.613	10.8	21.8	5 21	14 0.83	-6 54.7	2.569	3.483	8.4	21.9
5 31	13 48.71	-12 54.9	1.758	2.617	14.4	22.0	5 31	13 56.05	-6 34.5	2.648	3.480	10.9	22.1
210012	2006 KT ₁		4 26.7 299°88	7°0/21.3	18		428215	2006 VH ₃₆		4 26.7 158°73	2°2/24.8	17	
3 22	14 45.08	-2 10.3	1.562	2.413	15.4	20.3	3 22	14 43.18	-10 3.6	2.044	2.877	12.9	22.0
4 1	14 40.77	-0 43.0	1.441	2.361	12.2	20.0	4 1	14 37.97	-9 15.9	1.969	2.884	9.7	21.8
4 11	14 33.47	+0 53.6	1.343	2.308	8.9	19.7	4 11	14 30.81	-8 21.4	1.919	2.890	6.1	21.6
4 21	14 23.64	+2 31.7	1.271	2.254	7.0	19.4	4 21	14 22.35	-7 24.6	1.896	2.895	2.7	21.4
5 1	14 12.21	+4 0.5	1.224	2.198	8.9	19.4	5 1	14 13.46	-6 30.6	1.902	2.900	3.4	21.4
5 11	14 0.55	+5 9.1	1.202	2.142	13.2	19.4	5 11	14 5.07	-5 44.5	1.936	2.904	7.0	21.7
5 21	13 50.09	+5 49.6	1.202	2.084	18.0	19.5	5 21	13 57.96	-5 10.5	1.996	2.908	10.5	21.9
5 31	13 42.08	+5 58.4	1.220	2.026	22.6	19.6	5 31	13 52.73	-4 50.8	2.079	2.911	13.5	22.1
87665	2000 RV ₉₇		4 26.7 298°61	5°7/1.3	18		385157	2013 TX ₉₄		4 26.7 60°81	0°7/26.1	17	
3 22	14 40.19	-30 37.6	1.709	2.494	17.1	18.5	3 22						

EPHEMERIDES

4 26.7

4 26.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
285241	1997 <i>WV</i> ₂₄		4 26.7 219°43	0°9/26.1	16		15769	1993 <i>FP</i> ₂₃		4 26.7 149°36	1°1/27.6	18	R
3 22	14 46.16	-13 8.0	1.916	2.742	14.0	21.8	3 22	14 44.81	-18 46.2	1.960	2.773	14.2	19.6
4 1	14 40.61	-12 45.2	1.823	2.732	10.7	21.6	4 1	14 39.40	-18 30.0	1.882	2.781	10.9	19.4
4 11	14 32.72	-12 13.4	1.753	2.722	6.8	21.3	4 11	14 31.82	-18 1.2	1.827	2.789	7.1	19.2
4 21	14 23.14	-11 35.1	1.710	2.710	2.5	21.0	4 21	14 22.77	-17 21.5	1.799	2.796	3.1	18.9
5 1	14 12.82	-10 54.5	1.695	2.698	2.4	21.0	5 1	14 13.21	-16 34.4	1.798	2.803	1.8	18.8
5 11	14 2.88	-10 16.8	1.708	2.685	6.8	21.2	5 11	14 4.19	-15 45.2	1.826	2.809	5.8	19.1
5 21	13 54.30	-9 46.7	1.748	2.672	11.0	21.4	5 21	13 56.59	-14 59.4	1.880	2.815	9.7	19.4
5 31	13 47.83	-9 28.1	1.810	2.657	14.6	21.6	5 31	13 51.06	-14 21.8	1.958	2.819	13.1	19.6
5947	Bonnie		4 26.7 339°70	9°9/20.4	18		214224	2005 <i>EZ</i> ₁₃₃		4 26.7 98°03	0°8/26.2	18	
3 22	14 42.21	+ 8 11.4	1.481	2.334	15.9	15.8	3 22	14 45.59	-13 55.4	1.605	2.441	15.8	20.9
4 1	14 37.97	+ 9 9.4	1.416	2.325	13.1	15.6	4 1	14 40.19	-13 26.3	1.545	2.459	11.9	20.7
4 11	14 31.16	+ 9 56.7	1.373	2.317	10.8	15.4	4 11	14 32.36	-12 46.9	1.506	2.477	7.4	20.5
4 21	14 22.56	+ 10 24.8	1.352	2.310	9.9	15.3	4 21	14 22.96	-12 0.8	1.493	2.494	2.7	20.2
5 1	14 13.29	+ 10 26.6	1.355	2.303	11.1	15.4	5 1	14 13.11	-11 13.3	1.507	2.511	2.5	20.3
5 11	14 4.63	+ 9 58.9	1.380	2.297	13.7	15.5	5 11	14 4.04	-10 30.6	1.548	2.528	7.1	20.6
5 21	13 57.61	+ 9 2.6	1.426	2.292	16.7	15.7	5 21	13 56.67	- 9 57.7	1.614	2.544	11.3	20.9
5 31	13 52.98	+ 7 41.5	1.491	2.288	19.5	15.8	5 31	13 51.66	- 9 38.1	1.702	2.560	14.9	21.1
287803	2003 <i>SU</i> ₁₆₅		4 26.7 140°48	2°2/25.3	18		425902	2011 <i>FO</i> ₈₈		4 26.7 332°70	5°3/29.5	17	
3 22	14 45.97	- 9 35.8	1.685	2.524	15.0	20.6	3 22	14 44.23	-24 20.8	1.558	2.369	17.3	20.4
4 1	14 40.49	- 9 13.3	1.614	2.531	11.3	20.4	4 1	14 40.01	-25 19.1	1.470	2.358	14.1	20.2
4 11	14 32.59	- 8 44.9	1.566	2.537	7.1	20.1	4 11	14 32.82	-26 2.9	1.401	2.348	10.4	19.9
4 21	14 23.05	- 8 14.5	1.544	2.544	3.0	19.9	4 21	14 23.33	-26 29.1	1.356	2.338	6.8	19.7
5 1	14 12.95	- 7 46.6	1.549	2.549	3.5	19.9	5 1	14 12.71	-26 36.5	1.335	2.329	5.4	19.6
5 11	14 3.46	- 7 26.2	1.581	2.554	7.7	20.2	5 11	14 2.43	-26 27.6	1.340	2.321	7.8	19.7
5 21	13 55.56	- 7 16.8	1.638	2.559	11.7	20.4	5 21	13 53.84	-26 8.0	1.368	2.313	11.7	19.9
5 31	13 49.94	- 7 20.7	1.717	2.564	15.3	20.7	5 31	13 47.96	-25 44.8	1.418	2.306	15.6	20.1
62330	2000 <i>SF</i> ₁₂₅		4 26.7 96°82	2°8/23.9	18		186239	2001 <i>XP</i> ₁₄₀		4 26.7 226°53	6°4/21.3	18	
3 22	14 39.53	- 6 9.3	2.416	3.253	11.1	18.6	3 22	14 44.38	+ 3 52.0	2.173	3.006	12.3	20.5
4 1	14 34.91	- 5 31.5	2.349	3.265	8.3	18.4	4 1	14 38.88	+ 4 43.0	2.092	2.996	9.8	20.3
4 11	14 28.73	- 4 51.5	2.307	3.276	5.3	18.2	4 11	14 31.43	+ 5 30.0	2.035	2.985	7.5	20.2
4 21	14 21.56	- 4 13.0	2.293	3.287	3.0	18.1	4 21	14 22.64	+ 6 7.2	2.005	2.973	6.4	20.1
5 1	14 14.08	- 3 39.8	2.307	3.298	3.8	18.2	5 1	14 13.31	+ 6 29.7	2.003	2.961	7.4	20.1
5 11	14 7.03	- 3 15.5	2.350	3.309	6.5	18.3	5 11	14 4.36	+ 6 33.9	2.027	2.948	9.8	20.2
5 21	14 1.01	- 3 2.2	2.418	3.320	9.3	18.5	5 21	13 56.57	+ 6 18.7	2.076	2.934	12.5	20.4
5 31	13 56.50	- 3 1.2	2.510	3.331	11.8	18.7	5 31	13 50.57	+ 5 44.7	2.146	2.920	15.0	20.5
303359	2004 <i>TM</i> ₃₅₇		4 26.7 149°85	7°2/19.4	18		338416	2003 <i>BH</i> ₅₇		4 26.7 110°23	0°4/26.3	17	
3 22	14 43.35	+ 1 27.1	1.915	2.758	13.3	21.2	3 22	14 40.88	-14 25.8	2.580	3.397	11.0	21.8
4 1	14 38.11	+ 3 33.3	1.858	2.769	10.4	21.0	4 1	14 35.83	-13 57.6	2.511	3.416	8.3	21.6
4 11	14 30.88	+ 5 38.1	1.828	2.779	8.0	20.9	4 11	14 29.28	-13 22.2	2.468	3.435	5.2	21.5
4 21	14 22.37	+ 7 32.4	1.825	2.788	7.2	20.9	4 21	14 21.78	-12 42.2	2.453	3.454	1.9	21.3
5 1	14 13.50	+ 9 7.6	1.850	2.797	8.7	21.0	5 1	14 14.01	-12 0.7	2.468	3.472	1.6	21.3
5 11	14 5.22	+ 10 17.7	1.901	2.805	11.2	21.1	5 11	14 6.68	-11 21.6	2.511	3.489	4.9	21.5
5 21	13 58.30	+ 11 0.4	1.976	2.812	13.9	21.3	5 21	14 0.39	-10 48.2	2.583	3.506	7.9	21.7
5 31	13 53.31	+ 11 16.5	2.070	2.818	16.3	21.5	5 31	13 55.58	-10 23.1	2.679	3.523	10.5	21.9
86182	1999 <i>RA</i> ₂₂₃		4 26.7 257°89	5°1/ 1.8	18		344324	2001 <i>UE</i> ₂₂₅		4 26.7 136°56	0°7/27.4	18	
3 22	14 41.04	-31 31.5	2.456	3.210	13.3	19.0	3 22	14 42.94	-16 48.4	2.864	3.666	10.5	21.2
4 1	14 36.49	-31 49.1	2.362	3.207	11.1	18.8	4 1	14 37.33	-16 52.2	2.784	3.678	8.0	21.0
4 11	14 29.98	-31 50.2	2.288	3.203	8.7	18.6	4 11	14 30.23	-16 49.0	2.729	3.689	5.2	20.8
4 21	14 22.10	-31 33.3	2.240	3.200	6.4	18.5	4 21	14 22.14	-16 39.7	2.703	3.701	2.2	20.7
5 1	14 13.65	-30 59.3	2.218	3.196	5.2	18.4	5 1	14 13.72	-16 26.0	2.706	3.711	1.3	20.6
5 11	14 5.55	-30 11.1	2.223	3.193	6.1	18.4	5 11	14 5.64	-16 10.6	2.740	3.721	4.3	20.8
5 21	13 58.61	-29 13.9	2.255	3.189	8.3	18.6	5 21	13 58.52	-15 56.1	2.802	3.731	7.1	21.0
5 31	13 53.46	-28 13.6	2.312	3.186	10.9	18.7	5 31	13 52.81	-15 45.2	2.890	3.741	9.6	21.2
470442	2007 <i>XJ</i> ₄₄		4 26.7 214°08	1°4/25.4	17		89229	2001 <i>UY</i> ₁₂₇		4 26.7 169°08	7°2/17.5	18	
3 22	14 40.11	-11 15.4	2.415	3.244	11.3	22.0	3 22	14 39.91	+13 30.9	2.989	3.800	9.8	19.7
4 1	14 35.50	-10 45.6	2.328	3.240	8.5	21.8	4 1	14 34.94	+14 35.2	2.934	3.804	8.4	19.6
4 11	14 29.21	-10 9.7	2.266	3.236	5.3	21.6	4 11	14 28.66	+15 30.7	2.903	3.808	7.4	19.6
4 21	14 21.78	- 9 30.7	2.231	3.231	2.1	21.3	4 21	14 21.54	+16 12.8	2.899	3.811	7.3	19.5
5 1	14 13.91	- 8 52.0	2.225	3.226	2.4	21.3	5 1	14 14.17	+16 37.8	2.922	3.814	8.1	19.6
5 11	14 6.37	- 8 17.8	2.247	3.220	5.8	21.6	5 11	14 7.16	+16 44.0	2.970	3.816	9.4	19.7
5 21	13 59.84	- 7 51.4	2.297	3.215	9.0	21.7	5 21	14 1.00	+16 31.3	3.041	3.817	10.9	19.8
5 31	13 54.86	- 7 35.3	2.370	3.209	11.8	21.9	5 31	13 56.13	+16 1.1	3.132	3.819	12.4	19.9
141341	2002 <i>AZ</i> ₆		4 26.7 134°48	6°7/18.5	18		269638	2011 <i>AM</i> ₅₃		4 26.7 327°23	1°6/25.7	17	
3 22	14 38.34	+ 8 9.4	2.700	3.530	10.2	20.5	3 22	14 40.85	-11 35.3	1.502	2.354	15.8	19.9
4 1	14 33.86	+ 9 29.2	2.647	3.540	8.4	20.3	4 1	14 37.09	-11 14.0	1.422	2.345	12.0	19.6
4 11	14 28.01	+ 10 42.7	2.619	3.549	7.0	20.3	4 11	14 30.73	-10 43.9	1.362	2.336	7.6	19.4
4 21	14 21.29	+ 11 44.5	2.619	3.558	6.7	20.3	4 21	14 22.48	-10 8.6	1.326	2.327	2.9	19.0
5 1	14 14.32	+ 12 30.3	2.646	3.567	7.6	20.3	5 1	14 13.43	- 9 33.3	1.316	2.319	3.2	19.0
5 11	14 7.73	+ 12 57.4	2.699	3.576	9.3	20.4	5 11	14 4.85	- 9 4.1	1.332	2.312	8.0	19.3
5 21	14 2.06	+ 13 5.0	2.775	3.584	11.1	20.6	5 21	13 57.85	- 8 46.0	1.371	2.304	12.6	19.5
5 31	13 57.73	+ 12 54.1	2.872	3.592	12.8	20.7	5 31	13 53.26	- 8 42.4	1.430	2.298	16.6	19.8
29953	1999 <i>JW</i> ₈₆		4 26.7 221°86	4°4/22.2	18	R	329591	2003 <i>BV</i> ₂₁	</				

EPHEMERIDES

4 26.7

4 26.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
99460	2002 <i>CJ</i> ₆₆		4 26.7 318°96	9°7/18.5	17		246765	2009 <i>CS</i> ₂₁		4 26.7 82°70	0°7/27.4	18	
3 22	14 39.53	+ 7 22.8	1.601	2.456	14.9	19.2	3 22	14 40.20	-17 51.8	2.123	2.943	13.0	20.8
4 1	14 35.81	+ 8 55.2	1.535	2.445	12.3	19.0	4 1	14 35.84	-17 33.7	2.040	2.943	10.0	20.6
4 11	14 29.75	+10 20.4	1.492	2.434	10.3	18.9	4 11	14 29.57	-17 4.5	1.980	2.944	6.5	20.4
4 21	14 22.07	+11 29.0	1.472	2.424	9.8	18.8	4 21	14 21.98	-16 26.0	1.946	2.945	2.7	20.2
5 1	14 13.77	+12 12.5	1.476	2.414	11.2	18.9	5 1	14 13.90	-15 41.6	1.940	2.945	1.6	20.1
5 11	14 5.97	+12 25.9	1.503	2.405	13.7	19.0	5 11	14 6.24	-14 56.2	1.962	2.946	5.5	20.4
5 21	13 59.63	+12 8.7	1.550	2.396	16.6	19.1	5 21	13 59.77	-14 14.4	2.011	2.946	9.1	20.6
5 31	13 55.45	+11 23.2	1.614	2.387	19.2	19.3	5 31	13 55.09	-13 40.5	2.083	2.947	12.3	20.8
282604	2005 <i>GQ</i> ₁₅₁		4 26.7 355°15	0°2/26.6	17		507509	2012 <i>VP</i> ₁₃		4 26.7 225°75	0°4/26.4	17	
3 22	14 38.37	-16 13.5	1.769	2.607	14.4	20.2	3 22	14 41.21	-14 7.0	2.244	3.068	12.2	22.3
4 1	14 34.79	-15 39.8	1.690	2.605	11.0	20.0	4 1	14 36.52	-13 48.8	2.155	3.064	9.3	22.1
4 11	14 29.04	-14 53.5	1.633	2.603	7.0	19.8	4 11	14 29.97	-13 22.5	2.090	3.058	5.9	21.9
4 21	14 21.80	-13 57.8	1.601	2.602	2.6	19.5	4 21	14 22.13	-12 50.4	2.053	3.053	2.1	21.6
5 1	14 13.98	-12 57.8	1.596	2.601	2.0	19.4	5 1	14 13.78	-12 15.9	2.043	3.048	1.8	21.6
5 11	14 6.65	-11 59.8	1.617	2.600	6.5	19.7	5 11	14 5.78	-11 43.0	2.062	3.042	5.6	21.8
5 21	14 0.68	-11 9.7	1.664	2.600	10.6	20.0	5 21	13 58.89	-11 15.6	2.108	3.036	9.2	22.0
5 31	13 56.73	-10 32.3	1.733	2.601	14.2	20.2	5 31	13 53.70	-10 56.9	2.178	3.030	12.3	22.2
457607	2009 <i>BX</i> ₅₄		4 26.7 77°64	4°3/29.5	18		501086	2013 <i>SN</i> ₆₄		4 26.7 159°91	11°1/7.5	17	
3 22	14 47.44	-24 45.9	1.426	2.237	18.7	21.7	3 22	14 47.60	-45 46.2	1.980	2.652	18.5	20.9
4 1	14 42.12	-25 2.1	1.366	2.257	14.8	21.5	4 1	14 42.54	-46 38.1	1.894	2.654	16.6	20.7
4 11	14 33.84	-24 57.8	1.326	2.276	10.5	21.3	4 11	14 34.35	-47 2.7	1.825	2.656	14.6	20.5
4 21	14 23.57	-24 32.4	1.309	2.296	6.2	21.1	4 21	14 23.88	-46 54.5	1.775	2.657	12.7	20.4
5 1	14 12.71	-23 48.8	1.317	2.316	4.3	21.0	5 1	14 12.47	-46 10.7	1.746	2.658	11.4	20.3
5 11	14 2.77	-22 53.9	1.350	2.335	7.3	21.2	5 11	14 1.73	-44 54.2	1.741	2.660	11.2	20.3
5 21	13 54.91	-21 56.1	1.409	2.354	11.4	21.5	5 21	13 52.99	-43 12.6	1.760	2.661	12.2	20.4
5 31	13 49.88	-21 3.6	1.488	2.373	15.1	21.8	5 31	13 47.18	-41 16.6	1.801	2.661	14.1	20.5
396464	2014 <i>FE</i> ₃₂		4 26.7 329°78	3°5/29.1	16		212471	2006 <i>QH</i> ₄₇		4 26.7 179°76	1°4/27.9	18	
3 22	14 41.29	-22 42.1	1.923	2.731	14.6	20.3	3 22	14 43.22	-18 51.1	2.530	3.332	11.7	20.6
4 1	14 37.16	-23 14.4	1.827	2.717	11.7	20.1	4 1	14 37.86	-19 0.2	2.441	3.333	9.1	20.5
4 11	14 30.69	-23 34.1	1.754	2.704	8.3	19.9	4 11	14 30.74	-19 0.5	2.376	3.333	6.0	20.3
4 21	14 22.47	-23 40.3	1.704	2.692	5.0	19.6	4 21	14 22.41	-18 52.3	2.338	3.333	2.9	20.1
5 1	14 13.43	-23 33.3	1.681	2.680	3.6	19.5	5 1	14 13.59	-18 37.4	2.329	3.333	1.8	20.0
5 11	14 4.66	-23 16.2	1.685	2.668	6.2	19.6	5 11	14 5.09	-18 18.6	2.350	3.333	4.8	20.2
5 21	13 57.19	-22 53.6	1.714	2.657	9.9	19.8	5 21	13 57.64	-17 59.3	2.399	3.332	7.9	20.4
5 31	13 51.83	-22 30.8	1.766	2.647	13.3	20.0	5 31	13 51.80	-17 43.0	2.472	3.331	10.8	20.6
129868	1999 <i>RC</i> ₁₈₇		4 26.7 226°15	2°8/29.1	18		379949	2012 <i>OM</i> ₁		4 26.7 254°64	4°1/3.5	18	
3 22	14 43.94	-23 12.2	2.286	3.076	13.1	20.7	3 22	14 36.81	-36 35.5	4.609	5.303	8.3	20.7
4 1	14 38.74	-23 21.5	2.187	3.067	10.5	20.5	4 1	14 32.53	-36 58.5	4.504	5.298	7.1	20.6
4 11	14 31.47	-23 18.1	2.110	3.058	7.4	20.3	4 11	14 27.16	-37 11.0	4.422	5.293	5.9	20.5
4 21	14 22.71	-23 1.5	2.060	3.048	4.2	20.1	4 21	14 21.04	-37 12.4	4.365	5.287	4.8	20.4
5 1	14 13.29	-22 33.2	2.038	3.038	2.9	20.0	5 1	14 14.60	-37 2.8	4.336	5.282	4.2	20.4
5 11	14 4.17	-21 56.7	2.045	3.027	5.4	20.1	5 11	14 8.31	-36 43.3	4.335	5.276	4.4	20.4
5 21	13 56.22	-21 16.7	2.079	3.016	8.8	20.3	5 21	14 2.61	-36 16.0	4.361	5.271	5.3	20.4
5 31	13 50.12	-20 38.3	2.137	3.004	11.9	20.5	5 31	13 57.87	-35 43.4	4.413	5.265	6.5	20.5
428774	2008 <i>SF</i> ₂₀₄		4 26.7 205°84	1°7/25.1	17		247707	2003 <i>DA</i> ₇		4 26.7 53°57	2°0/28.4	17	
3 22	14 40.66	-11 3.1	2.236	3.068	12.0	21.7	3 22	14 42.11	-20 19.1	2.227	3.033	12.9	20.2
4 1	14 36.04	-10 20.2	2.151	3.064	9.0	21.5	4 1	14 37.27	-20 31.0	2.142	3.034	10.1	20.0
4 11	14 29.62	-9 30.3	2.090	3.061	5.7	21.3	4 11	14 30.48	-20 32.1	2.080	3.036	6.9	19.8
4 21	14 21.98	-8 36.8	2.057	3.056	2.4	21.1	4 21	14 22.33	-20 22.7	2.044	3.037	3.5	19.6
5 1	14 13.87	-7 44.5	2.052	3.052	2.9	21.1	5 1	14 13.65	-20 4.6	2.036	3.039	2.3	19.5
5 11	14 6.13	-6 58.1	2.076	3.047	6.3	21.3	5 11	14 5.34	-19 41.0	2.057	3.040	5.2	19.7
5 21	13 59.50	-6 21.6	2.126	3.041	9.7	21.5	5 21	13 58.22	-19 16.2	2.104	3.042	8.6	19.9
5 31	13 54.53	-5 57.8	2.199	3.036	12.7	21.7	5 31	13 52.89	-18 54.2	2.175	3.044	11.7	20.1
413984	2007 <i>ES</i> ₃₀		4 26.7 131°21	3°1/23.8	18		371893	2008 <i>CD</i> ₁₁₀		4 26.7 33°93	3°3/28.9	17	
3 22	14 43.67	- 6 23.0	2.288	3.119	11.8	22.2	3 22	14 43.16	-22 40.3	1.509	2.330	17.3	21.2
4 1	14 38.03	- 5 30.0	2.225	3.137	8.8	22.0	4 1	14 38.92	-22 50.7	1.435	2.334	13.7	21.0
4 11	14 30.71	- 4 34.1	2.187	3.155	5.7	21.9	4 11	14 31.91	-22 43.4	1.381	2.338	9.5	20.8
4 21	14 22.33	- 3 39.8	2.178	3.171	3.3	21.7	4 21	14 22.93	-22 18.3	1.351	2.342	5.2	20.5
5 1	14 13.67	- 2 51.7	2.198	3.187	4.1	21.8	5 1	14 13.21	-21 38.1	1.345	2.347	3.5	20.4
5 11	14 5.53	- 2 14.0	2.246	3.202	7.0	22.0	5 11	14 4.12	-20 48.8	1.365	2.352	6.9	20.6
5 21	13 58.58	- 1 49.4	2.321	3.216	9.9	22.2	5 21	13 56.82	-19 57.9	1.410	2.357	11.2	20.9
5 31	13 53.30	- 1 39.1	2.419	3.230	12.5	22.4	5 31	13 52.10	-19 12.8	1.476	2.363	15.1	21.2
215149	1999 <i>VC</i> ₁₁₄		4 26.7 266°11	1°7/28.8	17		5227	Bocacara		4 26.7 243°46	3°6/29.5	18	
3 22	14 39.28	-24 7.6	2.717	3.503	11.4	20.3	3 22	14 43.23	-25 25.7	1.609	2.415	17.1	17.3
4 1	14 34.90	-23 19.6	2.600	3.480	9.0	20.1	4 1	14 38.98	-25 11.6	1.519	2.408	13.7	17.0
4 11	14 28.88	-22 16.1	2.507	3.457	6.2	19.9	4 11	14 31.99	-24 35.6	1.449	2.400	9.7	16.7
4 21	14 21.72	-20 58.4	2.442	3.434	3.2	19.6	4 21	14 22.99	-23 37.8	1.403	2.392	5.6	16.5
5 1	14 14.07	-19 29.9	2.408	3.411	1.9	19.5	5 1	14 13.15	-22 21.3	1.383	2.384	3.7	16.3
5 11	14 6.69	-17 55.7	2.403	3.387	4.6	19.7	5 11	14 3.83	-20 53.6	1.389	2.375	6.9	16.5
5 21	14 0.22	-16 21.7	2.427	3.362	7.8	19.8	5 21	13 56.19	-19 24.3	1.421	2.367	11.3	16.7
5 31	13 55.24	-14 53.8	2.478	3.338	10.7	20.0	5 31	13 51.09	-18 2.4	1.475	2.358	15.3	17.0
122228	2000 <i>OA</i> ₂		4 26.7 183°6										

EPHEMERIDES

4 26.7

4 26.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
388627	2007 <i>TS</i> ₆₅		4 26.7 78°92	5°6/21.9	18		469343	2000 <i>SF</i> ₃₁₀		4 26.8 184°49	4°0/1.8	18	
3 22	14 43.28	-13 40.9	1.065	1.931	19.8	20.1	3 22	14 40.80	-31 46.1	3.115	3.853	11.1	22.2
4 1	14 39.16	-10 22.4	1.018	1.951	14.6	19.8	4 1	14 35.86	-31 38.9	3.016	3.853	9.2	22.0
4 11	14 31.96	-6 42.1	0.993	1.970	9.2	19.6	4 11	14 29.39	-31 16.9	2.941	3.853	7.1	21.9
4 21	14 22.86	-2 59.0	0.995	1.990	5.6	19.4	4 21	14 21.91	-30 40.0	2.891	3.852	5.1	21.8
5 1	14 13.41	+0 24.8	1.023	2.010	8.1	19.6	5 1	14 14.07	-29 49.4	2.870	3.850	4.0	21.7
5 11	14 5.16	+3 11.3	1.076	2.029	13.0	20.0	5 11	14 6.55	-28 48.4	2.878	3.848	4.8	21.7
5 21	13 59.16	+5 12.2	1.151	2.048	17.5	20.3	5 21	13 59.96	-27 41.1	2.914	3.846	6.8	21.9
5 31	13 56.04	+6 27.2	1.243	2.067	21.2	20.6	5 31	13 54.80	-26 32.6	2.977	3.843	8.9	22.0
475567	2006 <i>TH</i> ₁₂₃		4 26.7 231°58	0°1/26.8	16		290013	2005 <i>QE</i> ₁₁		4 26.8 99°62	4°5/22.9	17	
3 22	14 40.07	-15 48.2	2.629	3.444	10.9	22.9	3 22	14 40.52	-5 54.8	1.704	2.557	14.2	20.5
4 1	14 35.45	-15 28.0	2.531	3.434	8.3	22.7	4 1	14 36.33	-4 37.2	1.638	2.561	10.7	20.3
4 11	14 29.21	-14 59.7	2.458	3.424	5.3	22.5	4 11	14 29.98	-3 14.8	1.595	2.566	7.1	20.1
4 21	14 21.86	-14 24.8	2.413	3.413	2.0	22.2	4 21	14 22.18	-1 54.4	1.578	2.570	4.6	19.9
5 1	14 14.04	-13 46.4	2.397	3.402	1.4	22.2	5 1	14 13.90	-0 43.9	1.588	2.575	5.9	20.0
5 11	14 6.49	-13 8.0	2.410	3.391	4.9	22.4	5 11	14 6.20	+0 10.4	1.624	2.579	9.3	20.2
5 21	13 59.87	-12 33.3	2.451	3.379	8.0	22.6	5 21	13 59.92	+0 44.4	1.684	2.583	12.8	20.4
5 31	13 54.70	-12 5.6	2.517	3.368	10.9	22.7	5 31	13 55.70	+0 56.9	1.765	2.587	15.9	20.7
36647	2000 <i>QD</i> ₁₉₂		4 26.7 200°36	4°5/22.2	18		335844	2007 <i>MX</i> ₈		4 26.8 279°61	5°7/21.4	18	
3 22	14 39.96	-0 5.3	2.572	3.408	10.5	19.6	3 22	14 39.70	-1 49.1	1.917	2.767	13.0	20.9
4 1	14 35.24	+0 39.9	2.496	3.406	8.1	19.4	4 1	14 35.73	-0 27.9	1.827	2.746	10.1	20.7
4 11	14 29.00	+1 23.7	2.444	3.403	5.8	19.3	4 11	14 29.68	+0 56.5	1.761	2.725	7.2	20.4
4 21	14 21.76	+2 2.0	2.421	3.400	4.5	19.2	4 21	14 22.12	+2 17.1	1.722	2.703	5.7	20.3
5 1	14 14.14	+2 30.9	2.425	3.397	5.3	19.2	5 1	14 13.90	+3 26.5	1.709	2.681	7.1	20.3
5 11	14 6.87	+2 47.1	2.458	3.393	7.5	19.3	5 11	14 5.98	+4 18.1	1.722	2.659	10.1	20.5
5 21	14 0.53	+2 49.2	2.516	3.390	10.0	19.5	5 21	13 59.23	+4 48.0	1.759	2.637	13.4	20.6
5 31	13 55.62	+2 36.7	2.596	3.386	12.3	19.7	5 31	13 54.35	+4 54.9	1.816	2.615	16.5	20.8
95547	2002 <i>EK</i> ₈₈		4 26.7 120°56	0°7/26.2	18		368787	2005 <i>XO</i> ₂		4 26.8 169°12	1°0/27.7	17	
3 22	14 43.25	-13 9.4	1.963	2.793	13.5	19.8	3 22	14 44.26	-18 34.2	2.488	3.289	11.9	22.8
4 1	14 38.20	-12 54.3	1.889	2.800	10.2	19.6	4 1	14 38.62	-18 22.3	2.401	3.294	9.2	22.6
4 11	14 31.08	-12 31.5	1.837	2.806	6.4	19.4	4 11	14 31.22	-18 0.5	2.340	3.299	6.0	22.4
4 21	14 22.56	-12 3.4	1.812	2.813	2.3	19.1	4 21	14 22.62	-17 30.0	2.305	3.302	2.6	22.2
5 1	14 13.56	-11 33.8	1.815	2.819	2.1	19.1	5 1	14 13.58	-16 53.3	2.301	3.305	1.6	22.1
5 11	14 5.05	-11 7.0	1.846	2.825	6.2	19.4	5 11	14 4.94	-16 14.3	2.326	3.308	4.9	22.3
5 21	13 57.88	-10 46.9	1.903	2.831	10.0	19.6	5 21	13 57.40	-15 37.1	2.379	3.309	8.1	22.5
5 31	13 52.66	-10 36.5	1.982	2.837	13.2	19.8	5 31	13 51.52	-15 5.4	2.457	3.310	11.0	22.7
336282	2008 <i>SH</i> ₂₅₀		4 26.7 248°62	0°1/26.8	17		134657	1999 <i>VG</i> ₇₉		4 26.8 219°97	0°8/27.4	17	
3 22	14 40.76	-16 52.7	2.162	2.982	12.8	22.1	3 22	14 44.74	-18 4.5	2.017	2.831	13.8	21.1
4 1	14 36.34	-16 14.2	2.063	2.968	9.8	21.9	4 1	14 39.52	-17 46.4	1.922	2.822	10.7	20.8
4 11	14 29.96	-15 23.7	1.987	2.954	6.3	21.6	4 11	14 32.07	-17 15.8	1.849	2.812	7.0	20.6
4 21	14 22.18	-14 23.4	1.939	2.939	2.4	21.3	4 21	14 23.01	-16 34.3	1.803	2.801	2.9	20.3
5 1	14 13.81	-13 17.7	1.919	2.924	1.8	21.3	5 1	14 13.26	-15 45.4	1.785	2.790	1.8	20.2
5 11	14 5.75	-12 12.3	1.927	2.908	5.8	21.5	5 11	14 3.88	-14 54.2	1.795	2.778	6.0	20.5
5 21	13 58.82	-11 12.8	1.963	2.892	9.6	21.7	5 21	13 55.79	-14 6.3	1.833	2.765	10.0	20.7
5 31	13 53.67	-10 23.9	2.022	2.876	13.0	21.9	5 31	13 49.73	-13 26.8	1.893	2.752	13.6	20.9
377653	2005 <i>UE</i> ₁₅₃		4 26.7 259°52	5°0/24.7	17		466522	2014 <i>QH</i> ₃₇₇		4 26.8 122°40	2°2/24.9	18	
3 22	14 54.42	+1 19.0	1.789	2.614	14.8	20.2	3 22	14 43.30	-11 58.6	1.759	2.597	14.5	21.9
4 1	14 46.88	+1 0.9	1.708	2.612	11.6	20.0	4 1	14 38.31	-10 51.3	1.694	2.610	10.8	21.7
4 11	14 36.71	+0 35.6	1.651	2.610	8.0	19.7	4 11	14 31.16	-9 34.2	1.652	2.624	6.8	21.5
4 21	14 24.70	-0 0.1	1.621	2.608	5.3	19.6	4 21	14 22.60	-8 12.9	1.637	2.637	2.9	21.3
5 1	14 11.97	-0 48.5	1.620	2.606	5.8	19.6	5 1	14 13.64	-6 54.5	1.650	2.649	3.6	21.3
5 11	13 59.80	-1 50.1	1.648	2.604	9.1	19.8	5 11	14 5.33	-5 46.0	1.690	2.661	7.6	21.6
5 21	13 49.29	-3 3.6	1.703	2.602	12.7	20.0	5 21	13 58.52	-4 52.7	1.756	2.672	11.4	21.9
5 31	13 41.21	-4 27.1	1.781	2.599	16.0	20.2	5 31	13 53.81	-4 17.5	1.844	2.683	14.7	22.1
312065	2007 <i>TB</i> ₁₀		4 26.7 217°96	0°2/26.8	16		617	<i>Patroclus</i>		4 26.8 233°69	0°8/25.5	18	
3 22	14 46.10	-15 36.3	1.858	2.680	14.5	21.6	3 22	14 34.38	-9 36.9	4.904	5.722	6.2	15.9
4 1	14 40.70	-15 23.1	1.766	2.672	11.1	21.4	4 1	14 30.46	-9 30.4	4.809	5.715	4.6	15.8
4 11	14 32.88	-14 59.2	1.698	2.664	7.2	21.1	4 11	14 25.76	-9 22.1	4.741	5.708	2.9	15.6
4 21	14 23.31	-14 26.4	1.655	2.655	2.7	20.8	4 21	14 20.54	-9 13.1	4.702	5.701	1.2	15.5
5 1	14 12.98	-13 48.3	1.640	2.645	2.0	20.7	5 1	14 15.12	-9 4.6	4.694	5.694	1.3	15.5
5 11	14 3.04	-13 10.0	1.653	2.634	6.5	21.0	5 11	14 9.84	-8 58.1	4.716	5.687	3.1	15.6
5 21	13 54.52	-12 36.7	1.692	2.623	10.8	21.2	5 21	14 4.99	-8 54.8	4.767	5.680	4.8	15.8
5 31	13 48.20	-12 12.9	1.754	2.611	14.5	21.4	5 31	14 0.85	-8 55.6	4.845	5.672	6.4	15.9
111168	2001 <i>VQ</i> ₁₁₆		4 26.8 163°30	0°3/26.5	18		260566	2005 <i>ET</i> ₂₄₃		4 26.8 303°21	1°8/27.7	17	
3 22	14 43.82	-14 46.7	2.264	3.082	12.4	20.6	3 22	14 44.12	-17 44.8	1.456	2.292	17.1	21.1
4 1	14 38.39	-14 25.6	2.183	3.088	9.4	20.4	4 1	14 39.96	-18 1.9	1.367	2.278	13.4	20.8
4 11	14 31.10	-13 56.0	2.127	3.093	5.9	20.2	4 11	14 32.83	-18 6.5	1.298	2.264	8.9	20.5
4 21	14 22.56	-13 20.2	2.097	3.097	2.2	19.9	4 21	14 23.43	-17 58.9	1.252	2.250	4.0	20.2
5 1	14 13.58	-12 41.6	2.097	3.102	1.8	19.9	5 1	14 12.92	-17 40.9	1.232	2.237	2.5	20.1
5 11	14 5.04	-12 4.4	2.126	3.105	5.5	20.1	5 11	14 2.79	-17 17.6	1.237	2.224	7.4	20.3
5 21	13 57.68	-11 32.5	2.182	3.108	9.0	20.4	5 21	13 54.36	-16 54.9	1.266	2.212	12.4	20.6
5 31	13 52.07	-11 9.4	2.262	3.110	12.0	20.6	5 31	13 48.65	-16 38.8	1.316	2.199	16.8	20.8
82888	2001 <i>QU</i> ₈₁		4 26.8 255°43	4°5/30.7	18		353729	2011 <i>WT</i> ₁₀₆		4 26.8 205°22	0°7/26.0	18	
3													

EPHEMERIDES

4 26.8

4 26.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
122217	2000 NR ₁₃		4 26.8 287°24	0°7/27.2	18		335658	2006 QC ₆₉		4 26.8 98°50	0°7/26.1	17	
3 22	14 41.28	-17 44.3	1.755	2.584	14.9	19.7	3 22	14 40.92	-13 25.0	2.363	3.187	11.7	21.4
4 1	14 37.32	-17 23.2	1.654	2.563	11.6	19.4	4 1	14 36.05	-12 58.2	2.295	3.204	8.8	21.2
4 11	14 30.91	-16 47.9	1.574	2.541	7.6	19.2	4 11	14 29.56	-12 24.4	2.252	3.220	5.5	21.0
4 21	14 22.66	-16 0.2	1.520	2.519	3.1	18.8	4 21	14 22.01	-11 46.3	2.235	3.236	2.0	20.8
5 1	14 13.51	-15 3.9	1.492	2.497	2.0	18.7	5 1	14 14.15	-11 7.4	2.248	3.252	1.9	20.9
5 11	14 4.64	-14 5.4	1.491	2.475	6.7	18.9	5 11	14 6.76	-10 31.8	2.290	3.267	5.3	21.1
5 21	13 57.13	-13 11.3	1.515	2.454	11.3	19.1	5 21	14 0.47	-10 2.7	2.358	3.283	8.5	21.3
5 31	13 51.82	-12 27.7	1.561	2.432	15.3	19.3	5 31	13 55.78	-9 42.9	2.451	3.297	11.3	21.5
214191	2005 EP ₁₄		4 26.8 14°94	5°1/23.2	18		316609	2011 WU ₁₆		4 26.8 202°73	2°9/24.9	16	
3 22	14 40.43	- 6 3.9	1.361	2.226	16.4	19.8	3 22	14 47.05	- 7 39.1	1.761	2.598	14.5	21.1
4 1	14 36.80	- 4 51.7	1.298	2.227	12.4	19.5	4 1	14 41.40	- 7 12.4	1.679	2.594	11.0	20.9
4 11	14 30.53	- 3 33.6	1.256	2.229	8.2	19.3	4 11	14 33.32	- 6 41.2	1.621	2.590	7.1	20.6
4 21	14 22.45	- 2 17.7	1.237	2.231	5.2	19.1	4 21	14 23.51	- 6 9.7	1.588	2.586	3.4	20.4
5 1	14 13.75	- 1 13.2	1.244	2.233	6.6	19.2	5 1	14 13.02	- 5 42.6	1.583	2.580	4.1	20.4
5 11	14 5.72	- 0 27.6	1.275	2.236	10.5	19.4	5 11	14 3.00	- 5 24.7	1.606	2.574	8.1	20.6
5 21	13 59.41	- 0 5.1	1.328	2.239	14.7	19.7	5 21	13 54.48	- 5 19.5	1.654	2.568	12.1	20.9
5 31	13 55.57	- 0 6.7	1.399	2.243	18.3	19.9	5 31	13 48.20	- 5 28.7	1.723	2.561	15.6	21.1
183051	2002 QY ₇₂		4 26.8 194°62	0°8/27.4	17		198499	2004 XJ ₇₃		4 26.8 262°84	5°4/22.6	18	
3 22	14 44.82	-18 4.2	2.115	2.926	13.4	21.8	3 22	14 44.51	+ 0 28.6	2.109	2.946	12.5	20.3
4 1	14 39.41	-17 48.4	2.025	2.924	10.3	21.6	4 1	14 39.21	+ 1 7.5	2.015	2.924	9.8	20.1
4 11	14 31.91	-17 21.1	1.959	2.921	6.7	21.4	4 11	14 31.84	+ 1 44.8	1.944	2.903	7.0	19.9
4 21	14 22.93	-16 43.8	1.919	2.917	2.8	21.1	4 21	14 22.96	+ 2 15.4	1.900	2.881	5.4	19.7
5 1	14 13.37	-15 59.6	1.908	2.913	1.7	21.0	5 1	14 13.40	+ 2 34.4	1.884	2.859	6.4	19.7
5 11	14 4.22	-15 13.4	1.925	2.908	5.7	21.3	5 11	14 4.10	+ 2 37.8	1.896	2.836	9.1	19.9
5 21	13 56.33	-14 30.2	1.970	2.902	9.5	21.5	5 21	13 55.93	+ 2 23.9	1.932	2.812	12.3	20.0
5 31	13 50.38	-13 54.6	2.039	2.896	12.8	21.7	5 31	13 49.60	+ 1 52.5	1.990	2.788	15.2	20.2
328451	2008 TQ ₁₁₃		4 26.8 133°73	1°0/25.4	18		65057	2002 AQ ₁₇₁		4 26.8 239°27	0°6/26.4	18	
3 22	14 36.17	-10 41.5	3.500	4.323	8.3	21.3	3 22	14 45.26	-14 15.9	1.669	2.502	15.4	20.2
4 1	14 32.04	-10 16.6	3.421	4.330	6.2	21.1	4 1	14 40.35	-13 55.7	1.579	2.491	11.8	19.9
4 11	14 26.85	- 9 48.2	3.368	4.337	3.8	21.0	4 11	14 32.83	-13 24.6	1.511	2.480	7.5	19.6
4 21	14 20.96	- 9 18.2	3.344	4.344	1.5	20.8	4 21	14 23.39	-12 44.9	1.468	2.468	2.8	19.3
5 1	14 14.84	- 8 49.0	3.350	4.350	1.8	20.8	5 1	14 13.09	-12 1.3	1.452	2.456	2.4	19.2
5 11	14 8.97	- 8 23.0	3.385	4.357	4.1	21.0	5 11	14 3.20	-11 19.8	1.463	2.443	7.3	19.5
5 21	14 3.78	- 8 2.2	3.449	4.363	6.4	21.2	5 21	13 54.83	-10 45.9	1.499	2.430	11.9	19.7
5 31	13 59.60	- 7 48.4	3.538	4.369	8.5	21.3	5 31	13 48.82	-10 24.5	1.556	2.417	15.9	19.9
71316	2000 AA ₇₈		4 26.8 121°00	3°1/24.4	18		34974	5164 T ₋₂		4 26.8 158°81	2°7/29.8	18	
3 22	14 44.38	- 7 59.8	1.823	2.663	14.0	19.7	3 22	14 40.43	-25 31.7	2.716	3.494	11.6	19.9
4 1	14 39.05	- 7 11.1	1.760	2.677	10.5	19.5	4 1	14 35.70	-25 20.4	2.627	3.498	9.3	19.7
4 11	14 31.59	- 6 17.5	1.720	2.691	6.7	19.3	4 11	14 29.37	-24 55.8	2.562	3.503	6.6	19.6
4 21	14 22.77	- 5 24.1	1.707	2.704	3.4	19.2	4 21	14 21.97	-24 18.6	2.523	3.507	4.0	19.4
5 1	14 13.55	- 4 36.4	1.722	2.717	4.3	19.2	5 1	14 14.18	-23 30.8	2.513	3.511	2.7	19.3
5 11	14 4.96	- 3 59.7	1.764	2.729	7.8	19.5	5 11	14 6.76	-22 36.3	2.532	3.514	4.6	19.4
5 21	13 57.83	- 3 37.3	1.832	2.741	11.4	19.7	5 21	14 0.35	-21 39.5	2.579	3.517	7.3	19.6
5 31	13 52.75	- 3 31.0	1.921	2.752	14.5	19.9	5 31	13 55.44	-20 45.1	2.652	3.520	9.9	19.8
418407	2008 KG ₂₁		4 26.8 63°24	3°0/24.5	17		361159	2006 JU ₅₂		4 26.8 248°98	0°8/26.2	17	
3 22	14 41.31	-10 4.2	1.540	2.392	15.5	20.5	3 22	14 45.61	-13 20.8	1.769	2.599	14.7	21.6
4 1	14 37.08	- 9 3.4	1.481	2.405	11.6	20.3	4 1	14 40.54	-13 2.6	1.672	2.583	11.3	21.4
4 11	14 30.49	- 7 54.4	1.445	2.419	7.3	20.0	4 11	14 32.93	-12 34.9	1.597	2.567	7.2	21.1
4 21	14 22.39	- 6 43.6	1.434	2.433	3.4	19.8	4 21	14 23.44	-12 0.0	1.549	2.549	2.7	20.8
5 1	14 13.85	- 5 38.1	1.449	2.447	4.3	19.9	5 1	14 13.04	-11 22.0	1.527	2.531	2.5	20.7
5 11	14 6.01	- 4 45.1	1.491	2.461	8.4	20.2	5 11	14 2.97	-10 46.4	1.533	2.513	7.2	21.0
5 21	13 59.80	- 4 9.0	1.556	2.475	12.4	20.5	5 21	13 54.29	-10 18.3	1.565	2.494	11.7	21.2
5 31	13 55.82	- 3 52.1	1.641	2.489	15.8	20.7	5 31	13 47.88	-10 2.1	1.619	2.474	15.6	21.4
171688	2000 SP ₁₈		4 26.8 229°69	5°8/ 2.4	18		382766	2003 QJ ₁₀₃		4 26.8 174°89	0°4/27.2	18	
3 22	14 42.78	-33 33.2	2.544	3.281	13.3	20.5	3 22	14 43.20	-16 30.9	2.848	3.651	10.5	22.0
4 1	14 37.88	-34 0.9	2.446	3.276	11.3	20.3	4 1	14 37.63	-16 21.2	2.759	3.654	8.0	21.8
4 11	14 30.96	-34 11.9	2.369	3.270	9.0	20.2	4 11	14 30.52	-16 4.0	2.696	3.657	5.2	21.6
4 21	14 22.60	-34 4.4	2.316	3.265	6.9	20.0	4 21	14 22.39	-15 40.6	2.660	3.659	2.1	21.4
5 1	14 13.62	-33 38.3	2.290	3.259	5.8	19.9	5 1	14 13.87	-15 13.3	2.655	3.660	1.3	21.3
5 11	14 4.95	-32 56.2	2.292	3.253	6.5	20.0	5 11	14 5.67	-14 44.9	2.680	3.661	4.4	21.5
5 21	13 57.43	-32 2.7	2.319	3.247	8.5	20.1	5 21	13 58.41	-14 18.7	2.734	3.661	7.4	21.7
5 31	13 51.73	-31 3.9	2.372	3.241	10.8	20.2	5 31	13 52.56	-13 57.5	2.814	3.660	10.0	21.9
185509	2007 TJ ₃₆₁		4 26.8 224°82	0°6/26.1	17		290500	2005 UA ₂₂		4 26.8 185°05	0°6/27.5	17	
3 22	14 40.83	-13 28.9	2.510	3.331	11.2	21.4	3 22	14 37.86	-19 25.9	2.493	3.303	11.6	20.5
4 1	14 36.09	-13 3.6	2.416	3.323	8.5	21.2	4 1	14 33.84	-18 40.1	2.405	3.303	8.9	20.3
4 11	14 29.67	-12 31.0	2.346	3.314	5.3	21.0	4 11	14 28.22	-17 42.2	2.341	3.303	5.8	20.1
4 21	14 22.09	-11 53.3	2.303	3.304	2.0	20.7	4 21	14 21.55	-16 34.6	2.305	3.303	2.4	19.9
5 1	14 14.03	-11 14.0	2.290	3.294	1.9	20.7	5 1	14 14.50	-15 21.4	2.298	3.303	1.4	19.8
5 11	14 6.26	-10 36.8	2.306	3.284	5.3	20.9	5 11	14 7.82	-14 7.8	2.320	3.303	4.8	20.0
5 21	13 59.46	-10 5.4	2.350	3.273	8.6	21.1	5 21	14 2.14	-12 58.9	2.370	3.302	8.1	20.2
5 31	13 54.18	- 9 42.7	2.417	3.262	11.5	21.3	5 31	13 57.96	-11 58.9	2.444	3.302	10.9	20.4
274366	2008 RP ₇₂		4 26.8 265°75	2°3/24.9	17		350537	2000 RS ₅₉		4 26.8 165°99	2°1/29.0	18	
3 22	14 40.76	-10 18.9	1.9										

EPHEMERIDES

4 26.8

4 26.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
418128	2007 <i>YY</i> ₆₄		4 26.8 138°91	0°9/27.5	16		396170	2013 <i>EJ</i> ₁₁₂		4 26.8 207°69	3°8/22.6	18	
3 22	14 45.06	-18 21.1	1.886	2.702	14.5	22.5	3 22	14 38.97	-0 21.1	2.992	3.824	9.3	20.9
4 1	14 39.70	-18 1.9	1.811	2.713	11.2	22.3	4 1	14 34.35	+0 11.9	2.912	3.820	7.2	20.8
4 11	14 32.11	-17 29.7	1.759	2.722	7.3	22.0	4 11	14 28.43	+0 43.6	2.858	3.817	5.0	20.6
4 21	14 23.02	-16 46.8	1.733	2.732	3.0	21.8	4 21	14 21.64	+1 10.7	2.832	3.813	3.8	20.5
5 1	14 13.43	-15 57.0	1.735	2.740	1.8	21.7	5 1	14 14.54	+1 30.1	2.835	3.809	4.5	20.6
5 11	14 4.42	-15 5.9	1.765	2.748	6.0	22.0	5 11	14 7.71	+1 39.4	2.866	3.805	6.5	20.7
5 21	13 56.88	-14 19.2	1.821	2.756	9.9	22.2	5 21	14 1.67	+1 37.3	2.924	3.800	8.7	20.8
5 31	13 51.47	-13 41.6	1.901	2.763	13.4	22.5	5 31	13 56.84	+1 23.3	3.006	3.796	10.8	21.0
162589	2000 <i>SH</i> ₃₅		4 26.8 127°34	0°2/26.6	18		185455	2006 <i>YX</i> ₄₆		4 26.8 150°79	0°7/26.0	18	
3 22	14 46.97	-15 4.3	1.784	2.609	14.9	20.7	3 22	14 39.61	-12 57.6	2.928	3.746	9.9	22.0
4 1	14 41.15	-14 43.8	1.716	2.624	11.3	20.5	4 1	14 34.85	-12 30.3	2.848	3.754	7.4	21.9
4 11	14 33.01	-14 13.0	1.671	2.638	7.2	20.2	4 11	14 28.74	-11 57.3	2.794	3.761	4.6	21.7
4 21	14 23.35	-13 34.4	1.652	2.652	2.6	20.0	4 21	14 21.75	-11 20.9	2.768	3.769	1.7	21.5
5 1	14 13.21	-12 52.4	1.661	2.665	2.0	20.0	5 1	14 14.47	-10 43.8	2.772	3.775	1.7	21.5
5 11	14 3.74	-12 12.5	1.697	2.678	6.5	20.3	5 11	14 7.51	-10 9.3	2.806	3.782	4.6	21.7
5 21	13 55.85	-11 39.5	1.760	2.690	10.5	20.5	5 21	14 1.41	-9 40.3	2.868	3.788	7.4	21.9
5 31	13 50.19	-11 17.3	1.846	2.701	14.0	20.8	5 31	13 56.59	-9 19.0	2.955	3.793	9.8	22.1
402917	2007 <i>TV</i> ₁₃₀		4 26.8 167°21	3°1/24.2	18		341865	2008 <i>FA</i> ₁₃₂		4 26.8 229°90	0°2/26.5	18	
3 22	14 44.73	-7 45.3	2.040	2.874	12.9	21.9	3 22	14 33.20	-13 39.9	4.682	5.494	6.5	21.1
4 1	14 39.20	-6 52.2	1.966	2.879	9.8	21.7	4 1	14 29.67	-13 26.3	4.587	5.490	4.9	21.0
4 11	14 31.69	-5 54.1	1.916	2.884	6.3	21.5	4 11	14 25.33	-13 9.1	4.519	5.485	3.1	20.9
4 21	14 22.86	-4 55.7	1.893	2.889	3.3	21.3	4 21	14 20.46	-12 49.5	4.480	5.481	1.1	20.7
5 1	14 13.57	-4 2.4	1.899	2.892	4.2	21.4	5 1	14 15.40	-12 28.9	4.472	5.476	0.9	20.7
5 11	14 4.79	-3 19.5	1.934	2.895	7.5	21.6	5 11	14 10.47	-12 9.1	4.493	5.471	2.9	20.9
5 21	13 57.30	-2 50.3	1.994	2.897	10.9	21.8	5 21	14 6.01	-11 51.6	4.543	5.466	4.8	21.0
5 31	13 51.71	-2 37.0	2.077	2.897	13.9	22.0	5 31	14 2.29	-11 37.9	4.620	5.462	6.5	21.1
394765	2008 <i>GH</i> ₂₇		4 26.8 156°81	2°2/28.6	17		507528	2012 <i>VM</i> ₁₁₄		4 26.8 139°89	2°7/29.7	17	
3 22	14 42.33	-20 59.8	2.449	3.247	12.2	21.4	3 22	14 40.43	-25 38.6	2.577	3.357	12.1	21.4
4 1	14 37.32	-21 14.1	2.361	3.248	9.5	21.3	4 1	14 35.77	-25 18.2	2.491	3.365	9.6	21.2
4 11	14 30.51	-21 18.2	2.297	3.249	6.5	21.1	4 11	14 29.45	-24 43.5	2.429	3.372	6.8	21.1
4 21	14 22.44	-21 12.2	2.259	3.250	3.5	20.9	4 21	14 22.04	-23 55.4	2.394	3.379	4.0	20.9
5 1	14 13.86	-20 57.6	2.250	3.251	2.3	20.8	5 1	14 14.27	-22 56.4	2.387	3.386	2.7	20.8
5 11	14 5.62	-20 37.1	2.269	3.252	4.9	21.0	5 11	14 6.91	-21 51.1	2.409	3.392	4.7	21.0
5 21	13 58.44	-20 14.6	2.316	3.253	8.0	21.1	5 21	14 0.62	-20 44.5	2.460	3.398	7.5	21.2
5 31	13 52.93	-19 53.8	2.388	3.254	10.9	21.3	5 31	13 55.90	-19 41.6	2.536	3.404	10.2	21.3
113873	2002 <i>TT</i> ₂₅₉		4 26.8 226°10	0°6/26.3	17		122627	2000 <i>RV</i> ₇₂		4 26.8 145°38	3°2/29.4	17	
3 22	14 40.49	-14 10.4	2.336	3.160	11.8	20.9	3 22	14 46.01	-24 16.2	2.292	3.075	13.3	20.6
4 1	14 35.95	-13 42.1	2.245	3.153	9.0	20.7	4 1	14 40.21	-24 30.6	2.210	3.085	10.6	20.4
4 11	14 29.64	-13 5.5	2.179	3.147	5.7	20.4	4 11	14 32.39	-24 31.7	2.151	3.094	7.5	20.3
4 21	14 22.12	-12 22.9	2.139	3.140	2.1	20.2	4 21	14 23.17	-24 19.2	2.118	3.103	4.5	20.1
5 1	14 14.10	-11 38.2	2.128	3.132	1.9	20.1	5 1	14 13.44	-23 54.3	2.114	3.111	3.2	20.0
5 11	14 6.41	-10 55.6	2.146	3.125	5.5	20.4	5 11	14 4.17	-23 20.7	2.138	3.119	5.4	20.2
5 21	13 59.77	-10 19.1	2.191	3.117	9.0	20.6	5 21	13 56.16	-22 43.0	2.190	3.126	8.5	20.4
5 31	13 54.75	-9 52.2	2.260	3.109	12.0	20.8	5 31	13 50.07	-22 6.3	2.266	3.132	11.4	20.6
94374	2001 <i>SO</i> ₃₃		4 26.8 126°07	2°4/25.1	18		222804	2002 <i>CS</i> ₂₃₅		4 26.8 54°03	6°2/30.7	18	
3 22	14 43.21	-12 13.0	1.454	2.302	16.4	20.1	3 22	14 49.33	-27 50.5	1.562	2.351	18.3	19.1
4 1	14 38.81	-11 12.4	1.386	2.308	12.4	19.9	4 1	14 43.53	-28 49.7	1.505	2.376	14.9	18.9
4 11	14 31.78	-9 59.9	1.339	2.313	7.7	19.6	4 11	14 34.82	-29 29.0	1.469	2.402	11.2	18.7
4 21	14 22.96	-8 41.4	1.317	2.318	3.2	19.3	4 21	14 24.12	-29 45.5	1.455	2.427	7.8	18.6
5 1	14 13.54	-7 24.9	1.322	2.322	3.9	19.4	5 1	14 12.79	-29 39.1	1.467	2.453	6.2	18.6
5 11	14 4.80	-6 18.9	1.352	2.327	8.6	19.7	5 11	14 2.32	-29 14.3	1.505	2.480	7.9	18.7
5 21	13 57.81	-5 29.6	1.406	2.331	13.1	19.9	5 21	13 53.89	-28 38.2	1.567	2.506	11.0	19.0
5 31	13 53.29	-5 0.6	1.481	2.335	16.9	20.2	5 31	13 48.25	-27 58.9	1.651	2.532	14.1	19.2
192682	1999 <i>SF</i> ₂₆		4 26.8 270°39	0°4/27.2	18		291964	2006 <i>QH</i> ₅₈		4 26.8 270°35	3°9/29.7	18	
3 22	14 40.60	-17 33.8	1.913	2.739	14.0	20.5	3 22	14 44.13	-25 50.2	1.796	2.592	16.0	20.9
4 1	14 36.42	-17 5.9	1.828	2.735	10.7	20.3	4 1	14 39.72	-25 45.2	1.686	2.567	13.0	20.6
4 11	14 30.12	-16 25.1	1.766	2.732	6.9	20.0	4 11	14 32.61	-25 20.3	1.596	2.542	9.4	20.4
4 21	14 22.34	-15 34.0	1.729	2.728	2.7	19.8	4 21	14 23.42	-24 34.4	1.530	2.516	5.7	20.1
5 1	14 13.97	-14 36.8	1.720	2.725	1.8	19.7	5 1	14 13.18	-23 28.9	1.490	2.489	3.9	19.9
5 11	14 6.05	-13 39.4	1.738	2.721	6.0	19.9	5 11	14 3.17	-22 9.6	1.478	2.462	6.8	20.0
5 21	13 59.42	-12 47.6	1.782	2.718	10.0	20.2	5 21	13 54.60	-20 44.7	1.491	2.434	11.0	20.2
5 31	13 54.77	-12 6.2	1.849	2.715	13.5	20.4	5 31	13 48.41	-19 23.3	1.527	2.406	15.1	20.4
174530	2003 <i>EA</i> ₂₅		4 26.8 10°99	2°8/24.8	17		215086	2009 <i>FJ</i> ₄₃		4 26.8 342°15	7°5/20.6	18	
3 22	14 38.70	-8 11.7	1.638	2.493	14.5	19.5	3 22	14 41.87	+7 45.7	2.113	2.949	12.5	19.9
4 1	14 35.12	-7 45.7	1.571	2.497	10.9	19.3	4 1	14 37.02	+8 32.2	2.048	2.946	10.2	19.8
4 11	14 29.33	-7 15.2	1.528	2.501	6.9	19.0	4 11	14 30.32	+9 10.5	2.005	2.944	8.3	19.6
4 21	14 22.04	-6 44.6	1.508	2.507	3.3	18.8	4 21	14 22.39	+9 35.3	1.988	2.943	7.5	19.6
5 1	14 14.23	-6 18.8	1.515	2.514	4.0	18.9	5 1	14 14.04	+9 41.9	1.998	2.941	8.4	19.6
5 11	14 6.97	-6 2.5	1.548	2.521	7.8	19.1	5 11	14 6.15	+9 27.8	2.032	2.939	10.4	19.7
5 21	14 1.15	-5 58.9	1.604	2.529	11.7	19.4	5 21	13 59.45	+8 53.1	2.090	2.938	12.8	19.9
5 31	13 57.40	-6 9.6	1.681	2.539	15.1	19.6	5 31	13 54.50	+7 59.8	2.169	2.937	15.1	20.1
23	<i>Thalia</i>		4 26.8 59°24	3°8/24.6	18		249236	2008 <i>GE</i> ₁₂₂		4 26.8 318°80	1°5/24.4	18	

EPHEMERIDES

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
233416	2006 <i>GJ</i> ₄₇		4 26.8 42°42'	1.6°/25.9	18		473265	2015 <i>MY</i> ₃₅		4 26.8 159°07'	4.7°/21.9	18	
3 22	14 44.18	-10 8.1	1.602	2.447	15.3	19.9	3 22	14 40.35	+1 28.2	2.671	3.505	10.2	21.5
4 1	14 39.26	-10 5.6	1.541	2.460	11.6	19.7	4 1	14 35.49	+2 15.0	2.603	3.510	8.0	21.4
4 11	14 31.94	-9 57.9	1.502	2.474	7.3	19.5	4 11	14 29.18	+2 59.4	2.560	3.514	5.8	21.2
4 21	14 23.02	-9 47.9	1.488	2.488	2.8	19.2	4 21	14 21.95	+3 37.1	2.544	3.518	4.7	21.2
5 1	14 13.60	-9 39.2	1.500	2.503	2.9	19.3	5 1	14 14.41	+4 4.4	2.557	3.522	5.5	21.2
5 11	14 4.86	-9 35.7	1.539	2.518	7.2	19.6	5 11	14 7.22	+4 18.6	2.598	3.526	7.6	21.4
5 21	13 57.74	-9 40.5	1.602	2.533	11.3	19.8	5 21	14 0.97	+4 18.3	2.664	3.529	9.8	21.5
5 31	13 52.92	-9 55.5	1.688	2.549	14.8	20.1	5 31	13 56.10	+4 3.6	2.753	3.532	12.0	21.7
498694	2008 <i>SY</i> ₂₈₃		4 26.8 233°77'	3.2°/23.6	18		213814	2003 <i>QY</i> ₁₈		4 26.8 208°54'	1.2°/25.8	16	
3 22	14 41.02	-6 27.2	2.353	3.188	11.4	22.1	3 22	14 44.85	-12 51.2	2.012	2.838	13.4	21.8
4 1	14 36.34	-5 30.3	2.261	3.175	8.6	21.9	4 1	14 39.54	-12 14.9	1.922	2.832	10.2	21.5
4 11	14 29.91	-4 28.8	2.193	3.161	5.7	21.7	4 11	14 32.09	-11 29.4	1.856	2.824	6.4	21.3
4 21	14 22.26	-3 37.2	2.154	3.147	3.4	21.5	4 21	14 23.12	-10 37.9	1.816	2.817	2.4	21.0
5 1	14 14.10	-2 30.5	2.143	3.132	4.3	21.5	5 1	14 13.53	-9 45.1	1.805	2.808	2.6	21.0
5 11	14 6.24	-1 43.6	2.161	3.116	7.2	21.7	5 11	14 4.33	-8 56.5	1.823	2.798	6.7	21.2
5 21	13 59.37	-1 10.0	2.205	3.100	10.4	21.8	5 21	13 56.41	-8 16.9	1.867	2.788	10.6	21.5
5 31	13 54.09	-0 51.8	2.272	3.084	13.2	22.0	5 31	13 50.46	-7 50.0	1.935	2.777	14.0	21.6
374330	2005 <i>TO</i> ₁₁₇		4 26.8 8°18'	4.4°/28.7	17		327846	2006 <i>WC</i> ₁₉₉		4 26.8 227°83'	1.1°/25.9	18	
3 22	14 40.18	-19 47.3	1.042	1.901	20.7	18.7	3 22	14 44.17	-12 39.0	2.058	2.885	13.1	21.9
4 1	14 37.67	-20 51.5	0.982	1.903	16.4	18.4	4 1	14 39.04	-12 9.9	1.964	2.874	10.0	21.7
4 11	14 31.68	-21 40.4	0.940	1.907	11.4	18.2	4 11	14 31.79	-11 32.3	1.893	2.862	6.3	21.5
4 21	14 23.11	-22 11.4	0.919	1.913	6.4	17.9	4 21	14 23.02	-10 49.0	1.849	2.849	2.4	21.2
5 1	14 13.49	-22 24.6	0.919	1.921	4.6	17.8	5 1	14 13.59	-10 4.3	1.833	2.836	2.5	21.2
5 11	14 4.66	-22 24.1	0.941	1.931	8.5	18.1	5 11	14 4.49	-9 23.1	1.846	2.822	6.5	21.4
5 21	13 58.14	-22 16.8	0.984	1.943	13.5	18.4	5 21	13 56.61	-8 50.0	1.885	2.808	10.4	21.6
5 31	13 54.89	-22 10.1	1.046	1.957	17.9	18.7	5 31	13 50.64	-8 28.6	1.948	2.792	13.8	21.8
296270	2009 <i>DO</i> ₄₃		4 26.8 303°81'	1°5'/25.8	17		467292	2016 <i>EN</i> ₁₉₆		4 26.8 31°90'	1°6'/25.9	17	
3 22	14 41.68	-13 4.9	1.420	2.271	16.6	20.8	3 22	14 45.07	-10 36.2	1.428	2.277	16.6	20.4
4 1	14 37.94	-12 28.8	1.339	2.262	12.6	20.6	4 1	14 40.35	-10 31.0	1.359	2.281	12.6	20.2
4 11	14 31.45	-11 40.4	1.280	2.254	8.0	20.3	4 11	14 32.87	-10 19.3	1.312	2.285	8.0	19.9
4 21	14 22.95	-10 44.0	1.245	2.246	3.0	19.9	4 21	14 23.45	-10 4.2	1.288	2.289	3.1	19.7
5 1	14 13.60	-9 45.9	1.235	2.238	3.2	19.9	5 1	14 13.32	-9 50.0	1.291	2.294	3.2	19.7
5 11	14 4.77	-8 54.1	1.250	2.230	8.3	20.2	5 11	14 3.84	-9 41.5	1.319	2.299	8.0	20.0
5 21	13 57.62	-8 15.0	1.288	2.223	13.2	20.5	5 21	13 56.16	-9 42.6	1.370	2.304	12.6	20.2
5 31	13 53.03	-7 53.3	1.347	2.216	17.4	20.7	5 31	13 51.07	-9 55.9	1.443	2.310	16.5	20.5
31840	Normegus		4 26.8 330°66'	3°9'/29.1	17		259309	2003 <i>FB</i> ₂		4 26.8 153°54'	4°9'/22.1	17	
3 22	14 39.20	-23 0.1	1.128	1.974	20.3	18.5	3 22	14 39.53	+0 2.8	2.357	3.198	11.2	21.1
4 1	14 36.97	-23 10.7	1.048	1.961	16.3	18.2	4 1	14 35.09	+0 53.3	2.287	3.199	8.6	20.9
4 11	14 31.33	-22 58.1	0.985	1.948	11.5	17.9	4 11	14 29.04	+1 42.3	2.241	3.200	6.2	20.8
4 21	14 23.04	-22 21.3	0.943	1.937	6.4	17.6	4 21	14 21.92	+2 25.1	2.222	3.201	4.9	20.7
5 1	14 13.49	-21 23.2	0.924	1.927	4.1	17.4	5 1	14 14.44	+2 57.2	2.231	3.202	5.8	20.7
5 11	14 4.49	-20 12.2	0.926	1.917	8.4	17.6	5 11	14 7.34	+3 15.2	2.267	3.203	8.1	20.9
5 21	13 57.60	-18 59.3	0.950	1.909	13.9	17.9	5 21	14 1.26	+3 17.5	2.329	3.204	10.7	21.0
5 31	13 53.94	-17 55.7	0.993	1.901	18.9	18.1	5 31	13 56.70	+3 4.0	2.411	3.205	13.0	21.2
131318	2001 <i>FL</i> ₁₉₄		4 26.8 32°58'	0°3'/29.8	15		127720	2003 <i>ES</i> ₄₁		4 26.8 342°27'	0°5'/27.1	17	
3 22	14 20.90	-23 9.4	33.329	34.100	1.1	23.2	3 22	14 40.19	-15 21.4	1.351	2.203	17.2	19.1
4 1	14 20.06	-23 7.6	33.235	34.104	0.8	23.2	4 1	14 37.03	-15 26.4	1.271	2.193	13.3	18.8
4 11	14 19.14	-23 5.0	33.168	34.107	0.6	23.2	4 11	14 31.01	-15 19.8	1.211	2.183	8.6	18.5
4 21	14 18.15	-23 1.5	33.128	34.111	0.4	23.1	4 21	14 22.85	-15 3.2	1.174	2.174	3.4	18.2
5 1	14 17.14	-22 57.5	33.118	34.114	0.3	23.1	5 1	14 13.72	-14 40.3	1.161	2.167	2.2	18.1
5 11	14 16.15	-22 53.1	33.137	34.117	0.4	23.2	5 11	14 5.08	-14 16.9	1.172	2.160	7.6	18.4
5 21	14 15.21	-22 48.4	33.184	34.121	0.7	23.2	5 21	13 58.17	-13 58.7	1.207	2.154	12.7	18.6
5 31	14 14.35	-22 43.6	33.259	34.124	0.9	23.2	5 31	13 53.92	-13 50.8	1.261	2.150	17.0	18.9
439564	2014 <i>DM</i> ₇₈		4 26.8 229°19'	4°6'/22.0	18		412046	2013 <i>DX</i> ₈		4 26.8 345°74'	1°8'/25.9	17	
3 22	14 38.38	-1 25.7	2.362	3.205	11.1	21.5	3 22	14 41.27	-11 26.6	1.092	1.962	19.1	20.6
4 1	14 34.24	-0 24.9	2.288	3.203	8.5	21.3	4 1	14 38.31	-11 15.3	1.022	1.955	14.6	20.3
4 11	14 28.51	+0 36.0	2.239	3.201	6.0	21.1	4 11	14 32.03	-10 54.1	0.971	1.948	9.3	20.0
4 21	14 21.72	+1 32.1	2.218	3.200	4.6	21.1	4 21	14 23.26	-10 26.9	0.941	1.943	3.6	19.7
5 1	14 14.54	+2 18.3	2.224	3.198	5.6	21.1	5 1	14 13.43	-9 59.9	0.935	1.938	3.7	19.6
5 11	14 7.73	+2 50.7	2.258	3.196	8.0	21.3	5 11	14 4.25	-9 40.4	0.950	1.935	9.5	19.9
5 21	14 1.91	+3 7.2	2.316	3.194	10.6	21.4	5 21	13 57.17	-9 33.9	0.987	1.933	15.0	20.2
5 31	13 57.58	+3 7.0	2.396	3.192	13.1	21.6	5 31	13 53.20	-9 44.3	1.041	1.931	19.7	20.5
474939	2005 <i>SX</i> ₂₈₂		4 26.8 243°31'	3°5'/22.6	16		471853	2012 <i>XD</i> ₁₅₄		4 26.8 163°48'	4°8'/2.4	18	
3 22	14 38.41	-3 42.7	2.766	3.601	9.9	22.0	3 22	14 41.13	-33 14.6	2.749	3.485	12.4	21.4
4 1	14 34.12	-2 45.3	2.674	3.587	7.5	21.9	4 1	14 36.37	-33 11.5	2.656	3.489	10.4	21.3
4 11	14 28.40	-1 45.7	2.607	3.572	5.1	21.7	4 11	14 29.89	-32 51.4	2.585	3.492	8.1	21.1
4 21	14 21.69	-0 48.0	2.570	3.557	3.6	21.5	4 21	14 22.26	-32 13.7	2.539	3.495	6.0	21.0
5 1	14 14.57	+0 3.4	2.561	3.541	4.5	21.6	5 1	14 14.20	-31 19.7	2.520	3.497	4.8	20.9
5 11	14 7.69	+0 44.7	2.581	3.525	6.8	21.7	5 11	14 6.55	-30 13.0	2.530	3.499	5.5	21.0
5 21	14 1.62	+1 13.1	2.627	3.509	9.4	21.8	5 21	13 59.97	-28 58.8	2.568	3.501	7.5	21.1
5 31	13 56.86	+1 27.3	2.696	3.492	11.8	22.0	5 31	13 55.02	-27 42.8	2.631	3.503	9.8	21.3
133071	2003 <i>HT</i> ₃₅		4 26.8 303°27'	4°0'/24.0	17		16188	2000 <i>AH</i> ₁₇₅		4 26.8 211°37'	2°7'/24.1	18	

EPHEMERIDES

4 26.8

4 26.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
7197	Pieroangela		4 26.8	75°38'	4.5°/23.5	18	244701	2003 QL ₂₁		4 26.8	201°50'	2.4°/24.9	16
3 22	14 44.24	- 4 34.0	1.686	2.533	14.6	17.4	3 22	14 44.80	- 9 33.4	2.026	2.857	13.1	21.3
4 1	14 38.96	- 3 39.2	1.639	2.558	11.0	17.2	4 1	14 39.44	- 8 50.4	1.940	2.853	9.9	21.1
4 11	14 31.56	- 2 43.2	1.615	2.583	7.2	17.0	4 11	14 32.00	- 8 0.7	1.879	2.848	6.3	20.8
4 21	14 22.85	- 1 52.1	1.616	2.608	4.6	16.9	4 21	14 23.10	- 7 8.4	1.844	2.842	2.9	20.6
5 1	14 13.85	- 1 11.7	1.645	2.632	5.6	17.0	5 1	14 13.61	- 6 18.6	1.838	2.836	3.5	20.6
5 11	14 5.62	- 0 46.6	1.700	2.656	8.8	17.3	5 11	14 4.55	- 5 36.5	1.860	2.828	7.2	20.8
5 21	13 58.97	- 0 38.8	1.780	2.680	12.1	17.5	5 21	13 56.74	- 5 6.3	1.909	2.820	10.9	21.0
5 31	13 54.42	- 0 48.5	1.880	2.704	15.1	17.8	5 31	13 50.87	- 4 50.5	1.980	2.811	14.1	21.2
506644	2006 RN ₆₇		4 26.8	189°57'	6.3°/18.3	18	359996	2012 VG ₁₀₄		4 26.8	122°60'	0.9°/25.9	17
3 22	14 38.76	+ 7 5.0	2.840	3.669	9.8	22.0	3 22	14 39.45	-14 0.5	2.366	3.192	11.7	21.2
4 1	14 34.27	+ 8 32.6	2.774	3.668	8.0	21.9	4 1	14 35.05	-13 14.8	2.291	3.200	8.8	21.0
4 11	14 28.43	+ 9 55.7	2.734	3.666	6.7	21.8	4 11	14 29.02	-12 20.6	2.240	3.209	5.5	20.8
4 21	14 21.69	+11 8.8	2.722	3.664	6.4	21.8	4 21	14 21.93	-11 21.3	2.216	3.217	2.0	20.6
5 1	14 14.63	+12 7.3	2.738	3.661	7.3	21.8	5 1	14 14.49	-10 21.2	2.222	3.225	2.1	20.6
5 11	14 7.88	+12 47.8	2.781	3.658	9.0	21.9	5 11	14 7.48	- 9 25.2	2.256	3.232	5.5	20.9
5 21	14 1.98	+13 9.1	2.847	3.654	10.9	22.1	5 21	14 1.52	- 8 37.4	2.317	3.240	8.7	21.1
5 31	13 57.35	+13 11.5	2.934	3.650	12.6	22.2	5 31	13 57.12	- 8 0.9	2.403	3.247	11.5	21.3
267719	2003 BX ₉₁		4 26.8	84°70'	0.2°/26.9	17	205521	2001 SE ₉₀		4 26.8	258°13'	0.4°/27.2	17
3 22	14 39.36	-14 56.8	3.209	4.018	9.3	21.5	3 22	14 40.56	-16 47.7	2.255	3.074	12.4	21.3
4 1	14 34.54	-14 53.6	3.138	4.038	7.0	21.3	4 1	14 36.17	-16 29.8	2.160	3.064	9.5	21.1
4 11	14 28.51	-14 45.1	3.093	4.057	4.4	21.2	4 11	14 29.91	-16 1.9	2.089	3.054	6.1	20.9
4 21	14 21.69	-14 32.4	3.077	4.076	1.7	21.0	4 21	14 22.32	-15 25.7	2.045	3.044	2.4	20.6
5 1	14 14.64	-14 17.4	3.090	4.096	1.1	21.0	5 1	14 14.18	-14 44.5	2.029	3.034	1.6	20.5
5 11	14 7.91	-14 2.5	3.134	4.114	3.9	21.2	5 11	14 6.35	-14 2.5	2.041	3.024	5.4	20.8
5 21	14 1.99	-13 49.8	3.206	4.133	6.4	21.4	5 21	13 59.61	-13 24.2	2.080	3.014	9.0	21.0
5 31	13 57.25	-13 41.3	3.303	4.152	8.6	21.6	5 31	13 54.56	-12 53.6	2.143	3.003	12.2	21.2
142007	2002 PJ ₁₆₂		4 26.8	294°08'	0.2°/26.9	17	377458	2004 VS ₉₁		4 26.8	181°95'	0.8°/26.1	17
3 22	14 42.17	-16 13.2	1.510	2.351	16.3	20.7	3 22	14 42.64	-13 4.6	2.457	3.277	11.5	22.4
4 1	14 38.34	-15 56.6	1.420	2.336	12.6	20.5	4 1	14 37.45	-12 37.3	2.372	3.278	8.7	22.2
4 11	14 31.76	-15 26.3	1.351	2.321	8.2	20.2	4 11	14 30.56	-12 3.1	2.311	3.278	5.4	22.0
4 21	14 23.13	-14 44.3	1.306	2.307	3.2	19.8	4 21	14 22.53	-11 24.2	2.278	3.278	2.0	21.8
5 1	14 13.53	-13 55.3	1.287	2.292	2.2	19.7	5 1	14 14.06	-10 44.2	2.274	3.277	2.0	21.8
5 11	14 4.33	-13 6.1	1.293	2.278	7.5	20.0	5 11	14 5.95	-10 7.0	2.300	3.276	5.4	22.0
5 21	13 56.73	-12 23.4	1.323	2.263	12.4	20.2	5 21	13 58.89	- 9 36.2	2.353	3.274	8.7	22.2
5 31	13 51.63	-11 53.2	1.373	2.250	16.7	20.4	5 31	13 53.42	- 9 14.6	2.430	3.271	11.5	22.4
379921	2012 KL ₁₅		4 26.8	257°55'	5.2°/22.9	18	60423	Chvojen		4 26.8	299°64'	19.5°/ 6.3	18
3 22	14 43.93	- 1 11.5	1.954	2.796	13.1	20.9	3 22	14 40.92	+21 39.2	1.111	1.955	20.7	19.6
4 1	14 38.92	- 0 27.8	1.866	2.780	10.2	20.6	4 1	14 37.94	+25 6.6	1.078	1.947	19.6	19.5
4 11	14 31.75	+ 0 15.7	1.801	2.764	7.2	20.4	4 11	14 31.67	+28 5.7	1.065	1.940	19.6	19.5
4 21	14 23.03	+ 0 53.7	1.762	2.747	5.2	20.3	4 21	14 23.09	+30 18.5	1.069	1.932	20.6	19.5
5 1	14 13.63	+ 1 20.7	1.751	2.730	6.2	20.3	5 1	14 13.67	+31 33.0	1.090	1.925	22.5	19.6
5 11	14 4.56	+ 1 32.2	1.767	2.713	9.2	20.4	5 11	14 5.10	+31 46.2	1.125	1.918	24.6	19.7
5 21	13 56.72	+ 1 26.0	1.807	2.695	12.6	20.6	5 21	13 58.70	+31 3.4	1.171	1.911	26.7	19.9
5 31	13 50.82	+ 1 1.7	1.868	2.677	15.7	20.8	5 31	13 55.31	+29 33.5	1.227	1.905	28.5	20.0
520585	2014 OA ₂		4 26.8	298°45'	12.1°/20.2	18	200458	2000 WY ₁₀₆		4 26.8	231°21'	12.5°/ 6.4	18
3 22	14 41.19	- 1 9.4	0.711	1.613	22.8	22.7	3 22	14 47.67	-42 33.9	1.253	1.995	24.3	19.9
4 1	14 40.27	+ 0 41.8	0.630	1.576	18.5	22.2	4 1	14 44.00	-43 9.0	1.170	1.990	21.6	19.7
4 11	14 34.73	+ 2 49.9	0.564	1.539	14.1	21.8	4 11	14 36.09	-43 5.0	1.101	1.985	18.4	19.4
4 21	14 24.84	+ 4 59.6	0.514	1.502	12.1	21.5	4 21	14 24.90	-42 12.8	1.049	1.979	15.2	19.2
5 1	14 11.95	+ 6 48.5	0.482	1.464	15.3	21.4	5 1	14 12.32	-40 28.3	1.017	1.973	12.9	19.1
5 11	13 58.53	+ 7 53.4	0.465	1.427	21.7	21.5	5 11	14 0.68	-37 57.9	1.006	1.967	12.8	19.0
5 21	13 47.22	+ 8 0.7	0.460	1.390	28.9	21.6	5 21	13 51.87	-34 57.7	1.018	1.960	15.1	19.1
5 31	13 40.19	+ 7 7.7	0.465	1.355	35.7	21.8	5 31	13 47.05	-31 48.7	1.051	1.953	18.6	19.3
499783	2011 CH ₄₉		4 26.8	129°07'	5.0°/22.9	17	480511	2015 MQ ₂		4 26.8	283°60'	0.2°/27.0	18
3 22	14 44.16	- 1 20.7	1.957	2.797	13.1	21.8	3 22	14 42.23	-15 2.6	2.463	3.278	11.6	21.3
4 1	14 38.80	- 0 31.0	1.894	2.808	10.1	21.6	4 1	14 37.42	-15 2.5	2.350	3.252	8.9	21.1
4 11	14 31.46	+ 0 17.6	1.856	2.818	7.0	21.4	4 11	14 30.75	-14 55.3	2.261	3.225	5.8	20.9
4 21	14 22.84	+ 0 59.8	1.844	2.828	5.1	21.3	4 21	14 22.68	-14 42.0	2.199	3.199	2.2	20.6
5 1	14 13.83	+ 1 30.3	1.860	2.838	6.1	21.4	5 1	14 13.93	-14 24.9	2.166	3.171	1.5	20.5
5 11	14 5.39	+ 1 45.4	1.902	2.847	8.8	21.6	5 11	14 5.31	-14 6.8	2.162	3.144	5.2	20.7
5 21	13 58.28	+ 1 43.5	1.970	2.855	11.9	21.8	5 21	13 57.61	-13 51.1	2.186	3.116	8.8	20.9
5 31	13 53.09	+ 1 24.6	2.058	2.864	14.6	22.0	5 31	13 51.49	-13 41.1	2.234	3.088	11.9	21.0
96703	1999 JO ₁₁₁		4 26.8	93°47'	2.8°/24.8	18	336190	2008 RL ₁₃₃		4 26.8	246°65'	5.2°/ 1.4	17
3 22	14 43.37	-10 46.4	1.468	2.319	16.2	18.9	3 22	14 43.46	-30 43.4	2.174	2.936	14.6	21.6
4 1	14 38.84	- 9 47.4	1.406	2.329	12.2	18.7	4 1	14 38.74	-30 53.8	2.071	2.924	12.2	21.4
4 11	14 31.77	- 8 38.8	1.366	2.340	7.6	18.5	4 11	14 31.74	-30 45.5	1.989	2.911	9.4	21.2
4 21	14 23.00	- 7 26.8	1.351	2.350	3.4	18.2	4 21	14 23.07	-30 17.0	1.931	2.898	6.6	21.0
5 1	14 13.72	- 6 19.1	1.362	2.360	4.3	18.3	5 1	14 13.66	-29 28.7	1.900	2.884	5.2	20.9
5 11	14 5.17	- 5 23.3	1.398	2.370	8.6	18.6	5 11	14 4.58	-28 24.8	1.896	2.871	6.5	21.0
5 21	13 58.35	- 4 44.7	1.458	2.380	12.9	18.9	5 21	13 56.79	-27 11.3	1.919	2.857	9.3	21.1
5 31	13 53.95	- 4 25.7	1.539	2.390	16.5	19.1	5 31	13 51.06	-25 55.9	1.966	2.842	12.4	21.3
497883	2006 UC ₂₅₁		4 26.8	245°98'	0.2°/26.9	17	383854	2008 PA ₂		4 26.8	249°91'	2.1°/24.9	17
3 22	14 43.23	-17											

EPHEMERIDES

4 26.8

4 26.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
300999	2008 <i>GP</i> ₄₉		4 26.8 262°92	1.1/24.9	18		235219	2003 <i>SU</i> ₂₃₁		4 26.8 220°68	2.7/24.4	18	
3 22	14 32.17	-10 1.6	4.409	5.234	6.7	20.8	3 22	14 41.53	-7 39.5	2.225	3.061	11.9	20.9
4 1	14 28.96	-9 26.1	4.323	5.233	5.0	20.7	4 1	14 36.82	-6 59.2	2.140	3.055	9.0	20.7
4 11	14 24.93	-8 47.7	4.263	5.232	3.1	20.6	4 11	14 30.27	-6 14.5	2.079	3.048	5.8	20.5
4 21	14 20.39	-8 8.1	4.233	5.232	1.4	20.4	4 21	14 22.47	-5 29.3	2.045	3.041	3.0	20.3
5 1	14 15.65	-7 29.7	4.233	5.231	1.7	20.4	5 1	14 14.17	-4 48.1	2.039	3.034	3.7	20.3
5 11	14 11.09	-6 54.4	4.263	5.231	3.5	20.6	5 11	14 6.22	-4 15.3	2.062	3.026	6.9	20.5
5 21	14 7.01	-6 24.1	4.321	5.230	5.4	20.7	5 21	13 59.36	-3 54.1	2.111	3.018	10.2	20.7
5 31	14 3.69	-6 0.3	4.405	5.229	7.0	20.8	5 31	13 54.18	-3 46.5	2.182	3.010	13.1	20.9
43630	2002 <i>CZ</i> ₂₃₅		4 26.8 311°01	0°8/26.3	18		239755	2010 <i>AT</i> ₅₅		4 26.8 186°48	1°8/28.3	17	
3 22	14 41.90	-12 51.8	1.666	2.508	15.0	19.0	3 22	14 42.59	-20 9.8	2.009	2.820	14.0	21.1
4 1	14 37.82	-12 40.1	1.578	2.496	11.4	18.8	4 1	14 37.93	-20 8.5	1.924	2.820	10.9	20.9
4 11	14 31.28	-12 19.7	1.513	2.484	7.3	18.5	4 11	14 31.12	-19 54.6	1.862	2.820	7.3	20.6
4 21	14 22.93	-11 53.2	1.472	2.473	2.7	18.2	4 21	14 22.82	-19 29.0	1.825	2.820	3.6	20.4
5 1	14 13.78	-11 24.6	1.457	2.461	2.5	18.1	5 1	14 13.93	-18 54.3	1.816	2.820	2.2	20.3
5 11	14 5.01	-10 59.1	1.469	2.451	7.2	18.4	5 11	14 5.46	-18 14.8	1.834	2.819	5.6	20.5
5 21	13 57.68	-10 41.4	1.505	2.440	11.6	18.6	5 21	13 58.29	-17 35.8	1.879	2.819	9.4	20.7
5 31	13 52.59	-10 35.2	1.563	2.430	15.5	18.8	5 31	13 53.10	-17 2.1	1.947	2.818	12.7	20.9
503980	2004 <i>TG</i> ₈₆		4 26.8 276°13	2°7/24.4	17		475335	2006 <i>AQ</i> ₄₂		4 26.8 203°32	7°6/17.2	18	
3 22	14 39.47	-11 8.1	1.845	2.689	13.7	22.1	3 22	14 37.76	+11 59.7	2.689	3.513	10.5	21.3
4 1	14 35.69	-9 55.3	1.754	2.674	10.3	21.8	4 1	14 33.62	+13 15.2	2.632	3.513	8.9	21.2
4 11	14 29.77	-8 31.3	1.687	2.659	6.5	21.6	4 11	14 28.07	+14 22.3	2.598	3.512	7.8	21.2
4 21	14 22.33	-7 1.4	1.646	2.644	3.1	21.3	4 21	14 21.60	+15 15.6	2.591	3.511	7.7	21.1
5 1	14 14.23	-5 32.9	1.632	2.629	4.1	21.3	5 1	14 14.83	+15 50.9	2.610	3.510	8.6	21.2
5 11	14 6.51	-4 13.7	1.646	2.614	8.0	21.5	5 11	14 8.40	+16 5.8	2.653	3.509	10.1	21.3
5 21	14 0.03	-3 9.8	1.685	2.599	12.0	21.7	5 21	14 2.86	+15 59.9	2.719	3.508	11.8	21.4
5 31	13 55.51	-2 25.5	1.745	2.583	15.5	21.9	5 31	13 58.66	+15 34.4	2.804	3.507	13.4	21.5
128356	2004 <i>GD</i> ₇₆		4 26.8 234°55	0°4/27.1	18		297702	2001 <i>VT</i> ₇₄		4 26.8 167°38	0°4/26.6	16	
3 22	14 43.73	-16 46.0	1.941	2.763	14.0	20.8	3 22	14 46.90	-14 39.9	1.738	2.565	15.1	22.3
4 1	14 38.89	-16 27.0	1.848	2.753	10.8	20.6	4 1	14 41.35	-14 19.6	1.661	2.570	11.5	22.1
4 11	14 31.81	-15 56.3	1.777	2.742	7.0	20.4	4 11	14 33.36	-13 48.7	1.606	2.574	7.3	21.8
4 21	14 23.10	-15 15.9	1.732	2.731	2.7	20.1	4 21	14 23.67	-13 9.8	1.576	2.577	2.7	21.5
5 1	14 13.68	-14 29.2	1.715	2.720	1.8	20.0	5 1	14 13.34	-12 27.4	1.574	2.579	2.2	21.5
5 11	14 4.62	-13 41.8	1.725	2.708	6.2	20.2	5 11	14 3.58	-11 47.0	1.600	2.581	6.8	21.8
5 21	13 56.87	-12 58.9	1.762	2.696	10.3	20.4	5 21	13 55.38	-11 13.9	1.652	2.582	11.1	22.0
5 31	13 51.15	-12 25.4	1.822	2.683	13.9	20.6	5 31	13 49.48	-10 52.2	1.726	2.583	14.8	22.3
216750	2005 <i>NR</i> ₆₀		4 26.8 257°64	2°2/25.1	18		29513	1997 <i>YT</i> ₅		4 26.8 276°85	4°3/30.8	18	
3 22	14 42.50	-10 54.3	1.881	2.719	13.7	20.6	3 22	14 41.05	-28 21.6	2.229	3.005	13.9	18.0
4 1	14 38.01	-10 8.4	1.785	2.701	10.4	20.4	4 1	14 36.78	-28 27.6	2.130	2.995	11.4	17.8
4 11	14 31.29	-9 13.5	1.713	2.684	6.6	20.1	4 11	14 30.43	-28 16.7	2.052	2.985	8.5	17.6
4 21	14 22.92	-8 13.5	1.666	2.666	2.9	19.8	4 21	14 22.59	-27 48.2	1.999	2.974	5.7	17.4
5 1	14 13.81	-7 14.0	1.648	2.647	3.5	19.8	5 1	14 14.09	-27 3.3	1.973	2.964	4.3	17.3
5 11	14 5.02	-6 21.5	1.656	2.628	7.6	20.0	5 11	14 5.92	-26 6.1	1.974	2.953	5.9	17.4
5 21	13 57.48	-5 41.0	1.691	2.609	11.6	20.2	5 21	13 58.96	-25 2.1	2.002	2.943	8.8	17.5
5 31	13 51.96	-5 16.4	1.747	2.589	15.2	20.4	5 31	13 53.87	-23 58.0	2.054	2.932	11.8	17.7
505800	2015 <i>BH</i> ₃₅₃		4 26.8 214°70	6°0/1.6	17		53518	2000 <i>AR</i> ₁₃₇		4 26.8 146°26	2°8/24.9	18	
3 22	14 44.30	-30 50.2	1.904	2.674	16.1	21.2	3 22	14 47.89	-8 35.9	1.642	2.480	15.3	18.1
4 1	14 39.62	-31 15.4	1.817	2.673	13.4	21.0	4 1	14 42.08	-8 1.5	1.574	2.490	11.6	17.9
4 11	14 32.40	-31 20.7	1.749	2.671	10.4	20.8	4 11	14 33.78	-7 21.4	1.529	2.499	7.4	17.6
4 21	14 23.34	-31 3.9	1.704	2.670	7.5	20.6	4 21	14 23.81	-6 40.3	1.509	2.507	3.5	17.4
5 1	14 13.52	-30 25.3	1.685	2.668	6.0	20.5	5 1	14 13.28	-6 3.7	1.517	2.514	4.1	17.5
5 11	14 4.16	-29 29.3	1.693	2.667	7.2	20.6	5 11	14 3.42	-5 37.0	1.551	2.521	8.2	17.7
5 21	13 56.34	-28 22.6	1.726	2.665	10.1	20.8	5 21	13 55.23	-5 23.7	1.611	2.527	12.2	18.0
5 31	13 50.86	-27 13.4	1.782	2.663	13.2	21.0	5 31	13 49.40	-5 25.9	1.692	2.533	15.7	18.2
23205	2000 <i>SL</i> ₂₂₂		4 26.8 182°53	5°9/20.8	18		321031	2008 <i>OC</i> ₂₃		4 26.8 224°59	1°7/25.4	17	
3 22	14 41.50	+ 2 9.2	2.274	3.112	11.6	18.6	3 22	14 41.76	-11 26.6	2.098	2.930	12.7	21.5
4 1	14 36.64	+ 3 22.5	2.205	3.113	9.1	18.4	4 1	14 37.13	-10 47.7	2.010	2.924	9.6	21.3
4 11	14 30.07	+ 4 33.6	2.161	3.113	6.9	18.3	4 11	14 30.55	-10 1.2	1.946	2.917	6.0	21.0
4 21	14 22.36	+ 5 36.4	2.144	3.113	5.9	18.2	4 21	14 22.61	-9 10.4	1.909	2.909	2.5	20.8
5 1	14 14.26	+ 6 25.6	2.155	3.112	7.0	18.2	5 1	14 14.11	-8 20.1	1.900	2.901	2.9	20.8
5 11	14 6.57	+ 6 57.1	2.192	3.110	9.2	18.4	5 11	14 5.98	-7 35.4	1.920	2.893	6.6	21.0
5 21	13 59.97	+ 7 9.1	2.254	3.109	11.8	18.5	5 21	13 59.02	-7 0.5	1.965	2.885	10.2	21.2
5 31	13 54.98	+ 7 1.9	2.337	3.106	14.1	18.7	5 31	13 53.85	-6 38.6	2.034	2.876	13.4	21.4
338148	2002 <i>QO</i> ₁₂₈		4 26.8 198°51	0°3/27.1	17		152232	2005 <i>SV</i> ₁₇		4 26.8 187°97	0°2/26.7	17	
3 22	14 41.90	-16 12.9	2.393	3.208	11.9	22.2	3 22	14 39.47	-15 0.9	2.910	3.723	10.0	21.8
4 1	14 37.02	-15 57.3	2.303	3.205	9.1	22.1	4 1	14 34.87	-14 37.7	2.820	3.723	7.6	21.7
4 11	14 30.37	-15 32.9	2.238	3.202	5.8	21.8	4 11	14 28.86	-14 7.6	2.756	3.722	4.8	21.5
4 21	14 22.50	-15 1.3	2.200	3.199	2.3	21.6	4 21	14 21.92	-13 32.4	2.720	3.720	1.8	21.2
5 1	14 14.15	-14 25.5	2.191	3.196	1.5	21.5	5 1	14 14.62	-12 54.8	2.714	3.718	1.4	21.2
5 11	14 6.13	-13 49.4	2.210	3.192	5.1	21.8	5 11	14 7.60	-12 18.1	2.737	3.716	4.4	21.4
5 21	13 59.17	-13 16.9	2.257	3.188	8.5	22.0	5 21	14 1.42	-11 45.4	2.788	3.714	7.3	21.6
5 31	13 53.85	-12 51.5	2.329	3.183	11.5	22.2	5 31	13 56.55	-11 19.6	2.865	3.711	9.8	21.8
230094	2000 <i>XX</i> ₃₀		4 26.8 237°13	5°2/1.6	18		471865	2013 <i>AH</i> ₂₉		4 26.8 227°25	3°9/23.1	17	

EPHEMERIDES

4 26.8

4 26.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
428698	2008 <i>QG</i> ₁		4 26.8 283°71	3°4/24.1	17		11869	1989 <i>TS</i> ₂		4 26.8 270°06	2°4/22.7	18	
3 22	14 41.26	- 7 45.8	1.821	2.667	13.7	21.1	3 22	14 32.36	- 2 34.7	4.423	5.256	6.5	18.8
4 1	14 37.17	- 6 56.3	1.725	2.646	10.5	20.9	4 1	14 29.11	- 1 58.4	4.342	5.253	4.9	18.7
4 11	14 30.81	- 6 0.0	1.652	2.624	6.8	20.6	4 11	14 25.05	- 1 22.1	4.287	5.250	3.4	18.6
4 21	14 22.78	- 5 1.8	1.605	2.601	3.7	20.4	4 21	14 20.48	- 0 47.9	4.261	5.246	2.4	18.5
5 1	14 13.96	- 4 7.8	1.585	2.579	4.6	20.4	5 1	14 15.71	- 0 17.9	4.265	5.243	2.9	18.5
5 11	14 5.42	- 3 24.3	1.591	2.556	8.5	20.5	5 11	14 11.11	+ 0 5.8	4.298	5.240	4.4	18.7
5 21	13 58.12	- 2 55.9	1.622	2.534	12.4	20.7	5 21	14 6.97	+ 0 22.1	4.358	5.237	6.0	18.8
5 31	13 52.85	- 2 45.6	1.674	2.511	16.0	20.9	5 31	14 3.59	+ 0 30.1	4.442	5.233	7.5	18.9
437445	2013 <i>YN</i> ₉		4 26.8 167°99	0°2/26.6	17		101790	1999 <i>GR</i> ₃₆		4 26.8 63°78	7°2/1.7	18	
3 22	14 41.07	-15 15.2	2.226	3.048	12.4	22.0	3 22	14 49.10	-30 47.8	1.618	2.393	18.3	17.7
4 1	14 36.47	-14 48.7	2.143	3.050	9.4	21.8	4 1	14 43.53	-31 47.7	1.555	2.412	15.2	17.5
4 11	14 30.05	-14 13.1	2.085	3.052	6.0	21.6	4 11	14 34.98	-32 26.2	1.511	2.431	11.9	17.3
4 21	14 22.40	-13 30.7	2.053	3.053	2.2	21.3	4 21	14 24.35	-32 39.7	1.489	2.451	8.8	17.2
5 1	14 14.28	-12 45.4	2.050	3.054	1.7	21.3	5 1	14 12.97	-32 27.6	1.492	2.470	7.2	17.2
5 11	14 6.57	-12 1.6	2.075	3.055	5.5	21.6	5 11	14 2.35	-31 54.1	1.521	2.490	8.4	17.3
5 21	13 59.99	-11 23.6	2.127	3.056	9.0	21.8	5 21	13 53.73	-31 6.7	1.574	2.510	11.2	17.5
5 31	13 55.11	-10 55.0	2.202	3.057	12.1	22.0	5 31	13 47.93	-30 14.4	1.649	2.529	14.2	17.7
247828	2003 <i>SD</i> ₂₀₈		4 26.8 243°05	0°4/26.5	17		342731	2008 <i>WD</i> ₄₀		4 26.8 214°63	0°2/27.0	17	
3 22	14 43.26	-16 16.8	1.737	2.566	15.0	21.4	3 22	14 41.09	-16 51.0	2.177	2.997	12.7	21.6
4 1	14 38.79	-15 34.7	1.644	2.554	11.5	21.1	4 1	14 36.60	-16 21.7	2.089	2.993	9.7	21.4
4 11	14 31.88	-14 38.1	1.573	2.541	7.4	20.8	4 11	14 30.21	-15 41.4	2.023	2.989	6.3	21.2
4 21	14 23.18	-13 30.2	1.528	2.528	2.7	20.5	4 21	14 22.50	-14 52.4	1.985	2.985	2.4	20.9
5 1	14 13.70	-12 16.4	1.510	2.515	2.2	20.5	5 1	14 14.28	-13 58.6	1.975	2.980	1.6	20.9
5 11	14 4.61	-11 4.1	1.519	2.500	7.1	20.7	5 11	14 6.43	-13 5.1	1.993	2.975	5.5	21.1
5 21	13 56.97	-10 0.5	1.554	2.486	11.6	20.9	5 21	13 59.73	-12 16.8	2.038	2.970	9.2	21.3
5 31	13 51.55	- 9 11.4	1.611	2.471	15.5	21.2	5 31	13 54.78	-11 37.9	2.107	2.965	12.4	21.5
300216	2006 <i>WK</i> ₁₈₀		4 26.8 267°84	1°3/25.6	18		507532	2012 <i>WS</i> ₁₂		4 26.8 158°74	0°8/25.9	17	
3 22	14 40.01	-11 15.4	2.324	3.155	11.7	21.2	3 22	14 40.58	-12 42.1	2.798	3.617	10.3	23.0
4 1	14 35.66	-10 50.1	2.233	3.146	8.8	21.0	4 1	14 35.70	-12 13.5	2.717	3.623	7.7	22.8
4 11	14 29.55	-10 18.8	2.167	3.137	5.5	20.8	4 11	14 29.39	-11 38.9	2.662	3.629	4.8	22.6
4 21	14 22.23	- 9 44.0	2.128	3.128	2.2	20.6	4 21	14 22.13	-11 0.8	2.635	3.635	1.8	22.4
5 1	14 14.40	- 9 9.6	2.117	3.119	2.4	20.6	5 1	14 14.56	-10 22.2	2.637	3.640	1.8	22.4
5 11	14 6.87	- 8 39.3	2.134	3.109	5.9	20.8	5 11	14 7.32	- 9 46.6	2.669	3.645	4.8	22.7
5 21	14 0.36	- 8 16.7	2.178	3.100	9.2	21.0	5 21	14 0.98	- 9 16.9	2.729	3.649	7.7	22.8
5 31	13 55.45	- 8 4.4	2.246	3.091	12.2	21.1	5 31	13 56.00	- 8 55.5	2.814	3.652	10.2	23.0
516343	2017 <i>BH</i> ₈₆		4 26.8 231°26	6°5/9.4	18		119676	2001 <i>XG</i> ₉₅		4 26.8 121°42	5°7/23.4	17	
3 22	14 40.50	-51 7.0	4.704	5.272	9.4	21.4	3 22	14 46.77	+ 0 50.1	1.795	2.635	14.2	19.3
4 1	14 35.67	-51 41.2	4.604	5.270	8.7	21.3	4 1	14 41.06	+ 1 14.8	1.726	2.638	11.0	19.1
4 11	14 29.40	-52 1.5	4.523	5.268	7.9	21.2	4 11	14 33.09	+ 1 35.3	1.681	2.641	7.8	18.9
4 21	14 22.14	-52 6.2	4.462	5.266	7.1	21.2	4 21	14 23.58	+ 1 46.9	1.661	2.644	5.7	18.8
5 1	14 14.46	-51 54.8	4.425	5.264	6.6	21.1	5 1	14 13.55	+ 1 44.9	1.668	2.646	6.6	18.8
5 11	14 6.99	-51 28.0	4.412	5.263	6.5	21.1	5 11	14 4.08	+ 1 26.7	1.702	2.649	9.5	19.0
5 21	14 0.33	-50 47.9	4.423	5.261	6.8	21.1	5 21	13 56.09	+ 0 51.7	1.760	2.651	12.7	19.2
5 31	13 54.95	-49 57.6	4.458	5.259	7.4	21.2	5 31	13 50.24	+ 0 1.2	1.839	2.654	15.7	19.4
205743	2002 <i>BZ</i> ₁₃		4 26.8 111°19	1°1/26.0	18		264580	2001 <i>TQ</i> ₁₃₃		4 26.8 121°47	4°0/24.1	17	
3 22	14 45.32	-13 46.1	1.567	2.405	16.0	20.9	3 22	14 46.87	- 3 9.8	1.940	2.775	13.4	20.5
4 1	14 40.23	-13 8.3	1.502	2.418	12.1	20.7	4 1	14 40.91	- 2 47.6	1.874	2.787	10.2	20.3
4 11	14 32.64	-12 19.4	1.459	2.430	7.6	20.5	4 11	14 32.87	- 2 25.9	1.833	2.798	6.8	20.2
4 21	14 23.39	-11 23.5	1.442	2.442	2.8	20.2	4 21	14 23.47	- 2 8.8	1.818	2.809	4.2	20.0
5 1	14 13.62	-10 26.8	1.451	2.454	2.7	20.2	5 1	14 13.65	- 2 0.3	1.831	2.820	4.9	20.1
5 11	14 4.57	- 9 35.9	1.487	2.466	7.4	20.6	5 11	14 4.40	- 2 3.4	1.872	2.830	8.0	20.3
5 21	13 57.23	- 8 56.4	1.547	2.477	11.7	20.8	5 21	13 56.57	- 2 19.6	1.939	2.840	11.3	20.5
5 31	13 52.28	- 8 32.1	1.630	2.488	15.4	21.1	5 31	13 50.74	- 2 48.9	2.028	2.849	14.2	20.7
327811	2006 <i>VA</i> ₅₁		4 26.8 249°26	1°8/28.2	17		46800	1998 <i>KH</i> ₂₇		4 26.8 227°46	1°9/25.5	18	
3 22	14 43.70	-20 39.8	1.884	2.696	14.7	21.3	3 22	14 45.43	-12 26.6	1.598	2.437	15.7	18.0
4 1	14 39.06	-20 26.2	1.785	2.682	11.6	21.0	4 1	14 40.59	-11 41.7	1.511	2.427	11.9	17.7
4 11	14 32.04	-19 57.5	1.708	2.667	7.8	20.7	4 11	14 33.10	-10 45.2	1.446	2.418	7.6	17.5
4 21	14 23.25	-19 14.6	1.657	2.652	3.7	20.5	4 21	14 23.69	- 9 41.4	1.407	2.407	3.0	17.2
5 1	14 13.66	-18 20.5	1.633	2.637	2.2	20.3	5 1	14 13.43	- 8 36.6	1.394	2.396	3.4	17.1
5 11	14 4.40	-17 20.7	1.636	2.621	6.2	20.5	5 11	14 3.63	- 7 38.5	1.408	2.384	8.2	17.4
5 21	13 56.50	-16 22.0	1.666	2.605	10.4	20.7	5 21	13 55.42	- 6 53.3	1.447	2.371	12.8	17.6
5 31	13 50.75	-15 30.6	1.718	2.589	14.2	20.9	5 31	13 49.62	- 6 25.6	1.507	2.358	16.8	17.8
292216	2006 <i>SJ</i> ₄₆		4 26.8 239°87	1°6/25.4	17		18164	2000 <i>PA</i> ₂₀		4 26.8 257°00	2°4/28.8	18	R
3 22	14 43.63	-12 19.6	2.043	2.872	13.1	22.1	3 22	14 42.77	-21 28.0	2.344	3.142	12.6	18.4
4 1	14 38.72	-11 32.8	1.944	2.855	10.0	21.9	4 1	14 37.90	-21 42.5	2.248	3.134	10.0	18.2
4 11	14 31.68	-10 36.3	1.868	2.838	6.3	21.6	4 11	14 31.08	-21 46.0	2.174	3.126	6.9	18.0
4 21	14 23.08	- 9 33.5	1.820	2.820	2.5	21.3	4 21	14 22.86	-21 38.5	2.127	3.118	3.8	17.8
5 1	14 13.80	- 8 29.5	1.800	2.801	2.9	21.3	5 1	14 14.03	-21 21.4	2.109	3.110	2.5	17.7
5 11	14 4.80	- 7 30.5	1.808	2.781	6.9	21.5	5 11	14 5.47	-20 57.6	2.118	3.102	5.2	17.8
5 21	13 57.00	- 6 41.7	1.843	2.761	10.9	21.7	5 21	13 58.01	-20 31.2	2.155	3.093	8.4	18.0
5 31	13 51.10	- 6 7.2	1.901	2.740	14.3	21.9	5 31	13 52.28	-20 6.4	2.216	3.085	11.5	18.2
292769	2006 <i>UA</i> ₂₀₁		4 26.8 170°44	0°9/27.8	18		300146	2006 <i>VJ</i> ₆₇		4 2			

EPHEMERIDES

4 26.8

4 26.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
92541	2000 <i>OX</i> ₂₀		4 26.8 178°43	8°3/1.7	18		94350	2001 <i>QU</i> ₁₀₄		4 26.8 214°45	2°5/28.5	16	
3 22	14 52.58	-33 40.4	1.981	2.719	16.6	18.5	3 22	14 48.16	-21 18.4	1.840	2.643	15.4	20.6
4 1	14 46.24	-35 9.1	1.893	2.720	14.2	18.4	4 1	14 42.54	-21 24.8	1.746	2.636	12.2	20.3
4 11	14 36.89	-36 20.8	1.826	2.720	11.6	18.2	4 11	14 34.33	-21 16.8	1.673	2.628	8.3	20.1
4 21	14 25.19	-37 9.9	1.782	2.720	9.4	18.0	4 21	14 24.18	-20 54.3	1.626	2.619	4.3	19.8
5 1	14 12.32	-37 32.9	1.764	2.720	8.3	18.0	5 1	14 13.16	-20 19.1	1.606	2.609	2.8	19.7
5 11	13 59.73	-37 30.6	1.772	2.720	9.1	18.0	5 11	14 2.52	-19 36.0	1.614	2.598	6.4	19.9
5 21	13 48.78	-37 8.0	1.806	2.720	11.3	18.2	5 21	13 53.38	-18 51.1	1.648	2.587	10.6	20.1
5 31	13 40.51	-36 32.8	1.862	2.719	13.8	18.3	5 31	13 46.58	-18 10.7	1.706	2.574	14.3	20.3
499582	2010 <i>TH</i> ₁₉		4 26.8 85°22	6°6/30.4	17 C		146099	2000 <i>PX</i> ₂₅		4 26.8 187°25	6°0/4.0	18	
3 22	15 10.60	-31 38.6	0.598	1.435	33.9	21.6	3 22	14 44.37	-38 19.7	3.166	3.856	11.8	20.3
4 1	15 1.22	-30 56.2	0.577	1.479	26.9	21.4	4 1	14 38.85	-38 47.0	3.067	3.856	10.2	20.1
4 11	14 46.21	-29 23.3	0.567	1.522	18.9	21.1	4 11	14 31.57	-38 58.4	2.988	3.854	8.5	20.0
4 21	14 28.22	-27 1.6	0.574	1.563	10.8	20.9	4 21	14 23.04	-38 52.1	2.934	3.853	7.0	19.9
5 1	14 10.75	-24 8.0	0.601	1.603	6.6	20.9	5 1	14 14.00	-38 27.7	2.907	3.851	6.1	19.8
5 11	13 56.84	-21 11.0	0.650	1.640	11.0	21.3	5 11	14 5.25	-37 47.3	2.907	3.848	6.3	19.8
5 21	13 47.88	-18 35.8	0.717	1.675	17.2	21.8	5 21	13 57.52	-36 54.6	2.935	3.845	7.6	19.9
5 31	13 44.06	-16 36.0	0.802	1.708	22.4	22.3	5 31	13 51.38	-35 54.6	2.988	3.841	9.3	20.0
383178	2005 <i>WN</i> ₅₆		4 26.8 304°23	20°2/19.3	17		192857	1999 <i>VX</i> ₁₉₈		4 26.8 163°77	3°5/23.9	17	
3 22	14 59.53	+26 3.3	1.080	1.885	23.8	20.1	3 22	14 42.99	-4 36.6	2.214	3.049	12.0	20.3
4 1	14 52.33	+27 12.4	1.031	1.878	22.0	19.9	4 1	14 37.85	-4 0.9	2.139	3.053	9.1	20.1
4 11	14 40.94	+27 45.2	0.998	1.872	20.6	19.8	4 11	14 30.92	-3 23.8	2.090	3.056	6.0	19.9
4 21	14 26.64	+27 26.6	0.981	1.866	20.3	19.7	4 21	14 22.78	-2 49.3	2.067	3.059	3.7	19.8
5 1	14 11.47	+26 7.4	0.982	1.860	21.1	19.7	5 1	14 14.22	-2 21.6	2.073	3.061	4.4	19.8
5 11	13 57.63	+23 49.1	1.001	1.855	22.9	19.8	5 11	14 6.08	-2 4.4	2.107	3.063	7.3	20.0
5 21	13 46.79	+20 42.9	1.037	1.849	25.2	20.0	5 21	13 59.08	-1 59.8	2.166	3.065	10.4	20.2
5 31	13 39.84	+17 3.7	1.089	1.844	27.6	20.1	5 31	13 53.79	-2 8.9	2.249	3.067	13.1	20.4
392639	2011 <i>UE</i> ₁₂₂		4 26.8 200°32	0°9/25.9	18		253815	2003 <i>YQ</i> ₃₆		4 26.9 219°95	2°8/24.9	17	
3 22	14 38.76	-13 30.7	2.786	3.606	10.2	21.5	3 22	14 45.93	-7 46.6	1.863	2.699	13.9	20.9
4 1	14 34.40	-12 47.9	2.696	3.603	7.7	21.3	4 1	14 40.57	-7 17.6	1.777	2.692	10.6	20.7
4 11	14 28.62	-11 57.7	2.632	3.600	4.8	21.1	4 11	14 32.91	-6 43.9	1.714	2.684	6.8	20.4
4 21	14 21.89	-11 3.0	2.595	3.596	1.8	20.9	4 21	14 23.60	-6 9.6	1.678	2.675	3.3	20.2
5 1	14 14.79	-10 7.4	2.589	3.592	1.9	20.9	5 1	14 13.60	-5 39.3	1.669	2.666	4.0	20.2
5 11	14 7.98	-9 14.9	2.612	3.587	4.9	21.1	5 11	14 4.01	-5 17.9	1.688	2.656	7.8	20.4
5 21	14 2.04	-8 29.0	2.663	3.582	7.9	21.3	5 21	13 55.77	-5 8.7	1.733	2.646	11.7	20.6
5 31	13 57.42	-7 52.8	2.739	3.577	10.5	21.4	5 31	13 49.63	-5 13.8	1.799	2.636	15.1	20.8
213212	2000 <i>UA</i> ₆₉		4 26.8 111°05	2°2/28.6	18		87457	2000 <i>QR</i> ₁₂₃		4 26.9 228°60	0°6/27.4	18	
3 22	14 46.63	-22 25.2	1.743	2.548	16.0	20.3	3 22	14 43.50	-17 48.4	2.443	3.249	11.9	21.2
4 1	14 41.08	-22 5.3	1.676	2.568	12.5	20.1	4 1	14 38.34	-17 28.8	2.339	3.235	9.2	21.0
4 11	14 33.13	-21 28.2	1.631	2.586	8.4	19.9	4 11	14 31.33	-16 58.8	2.259	3.221	6.0	20.8
4 21	14 23.60	-20 35.5	1.611	2.605	4.2	19.7	4 21	14 22.98	-16 19.8	2.207	3.206	2.5	20.5
5 1	14 13.63	-19 31.6	1.619	2.622	2.5	19.6	5 1	14 14.05	-15 34.7	2.184	3.190	1.5	20.4
5 11	14 4.39	-18 23.2	1.654	2.639	6.1	19.9	5 11	14 5.37	-14 47.7	2.191	3.173	5.1	20.6
5 21	13 56.84	-17 17.4	1.715	2.656	10.1	20.1	5 21	13 57.73	-14 3.2	2.225	3.156	8.6	20.8
5 31	13 51.61	-16 20.6	1.800	2.671	13.6	20.4	5 31	13 51.72	-13 25.4	2.285	3.138	11.8	21.0
368660	2005 <i>GK</i> ₁₈		4 26.8 356°18	5°9/23.3	17		502509	2015 <i>BP</i> ₄₂₂		4 26.9 124°95	0°9/27.6	17	
3 22	14 37.79	-4 48.9	1.103	1.985	18.1	20.3	3 22	14 44.21	-18 19.2	2.127	2.937	13.3	22.1
4 1	14 35.46	-3 51.7	1.042	1.979	13.8	20.1	4 1	14 38.88	-18 2.0	2.053	2.951	10.2	21.9
4 11	14 30.12	-2 50.3	0.999	1.975	9.3	19.8	4 11	14 31.61	-17 33.6	2.003	2.965	6.6	21.7
4 21	14 22.62	-1 53.5	0.978	1.973	6.1	19.6	4 21	14 23.04	-16 55.8	1.980	2.978	2.8	21.4
5 1	14 14.29	-1 10.8	0.980	1.971	7.4	19.7	5 1	14 14.06	-16 12.0	1.985	2.991	1.6	21.4
5 11	14 6.65	-0 49.8	1.003	1.971	11.8	19.9	5 11	14 5.60	-15 26.8	2.019	3.003	5.4	21.7
5 21	14 0.95	-0 54.2	1.047	1.973	16.3	20.2	5 21	13 58.44	-14 45.1	2.080	3.014	8.9	21.9
5 31	13 58.05	-1 23.9	1.107	1.976	20.4	20.4	5 31	13 53.15	-14 11.1	2.165	3.025	12.0	22.1
9769	<i>Nautilus</i>		4 26.8 28°66	6°3/23.1	18		251513	2008 <i>FY</i> ₆₁		4 26.9 106°43	2°5/24.2	18	
3 22	14 41.85	-4 9.6	1.131	2.005	18.3	17.2	3 22	14 38.17	-8 44.7	2.394	3.232	11.1	20.8
4 1	14 38.33	-3 1.8	1.078	2.011	14.0	17.0	4 1	14 34.11	-7 46.4	2.320	3.237	8.3	20.7
4 11	14 31.79	-1 51.2	1.044	2.017	9.5	16.7	4 11	14 28.50	-6 43.0	2.271	3.242	5.3	20.5
4 21	14 23.19	-0 47.0	1.033	2.025	6.4	16.6	4 21	14 21.86	-5 38.8	2.250	3.247	2.8	20.3
5 1	14 13.93	+0 1.0	1.045	2.033	7.8	16.7	5 1	14 14.89	-4 38.5	2.258	3.251	3.5	20.4
5 11	14 5.53	+0 25.7	1.079	2.041	11.9	16.9	5 11	14 8.29	-3 46.8	2.293	3.256	6.4	20.6
5 21	13 59.18	+0 24.3	1.134	2.050	16.2	17.2	5 21	14 2.69	-3 7.2	2.355	3.261	9.4	20.7
5 31	13 55.63	-0 2.3	1.206	2.060	20.0	17.5	5 31	13 58.57	-2 41.6	2.441	3.265	12.0	20.9
247807	2003 <i>SD</i> ₁₁₀		4 26.8 223°91	2°3/28.5	17		121566	1999 <i>VH</i> ₅₉		4 26.9 297°00	1°6/28.5	18	
3 22	14 46.20	-21 9.0	1.887	2.692	15.0	21.2	3 22	14 38.43	-22 33.3	2.257	3.061	12.9	19.5
4 1	14 40.98	-21 10.2	1.791	2.683	11.8	20.9	4 1	14 34.76	-21 53.7	2.144	3.036	10.1	19.2
4 11	14 33.28	-20 57.2	1.718	2.674	8.1	20.7	4 11	14 29.18	-20 57.6	2.054	3.011	6.9	19.0
4 21	14 23.78	-20 30.1	1.671	2.664	4.1	20.4	4 21	14 22.21	-19 46.3	1.991	2.985	3.4	18.7
5 1	14 13.45	-19 51.2	1.650	2.653	2.6	20.3	5 1	14 14.60	-18 23.5	1.955	2.959	1.9	18.5
5 11	14 3.49	-19 5.1	1.658	2.642	6.2	20.5	5 11	14 7.25	-16 55.1	1.948	2.934	5.3	18.7
5 21	13 54.94	-18 18.0	1.691	2.630	10.3	20.7	5 21	14 0.93	-15 27.7	1.969	2.908	9.0	18.9
5 31	13 48.63	-17 36.1	1.749	2.618	14.0	20.9	5 31	13 56.33	-14 7.9	2.014	2.883	12.4	19.1
291777	2006 <i>KB</i> ₃₅		4 26.8 43°02	2°0/25.7	18		369380	2009 <i>UD</i> ₁₄₆		4 26.9 133°45	1°9/24.9	17	

EPHEMERIDES

4 26.9

4 26.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
173937	2001 <i>WK</i> ₉		4 26.9 107°75	0°1/26.9 17			430661	2003 <i>ST</i> ₃₆₃		4 26.9 144°05	0°5/27.3 17		
3 22	14 40.31	-16 56.3	2.633	3.444	11.0	21.0	3 22	14 42.01	-17 43.5	2.325	3.137	12.3	22.4
4 1	14 35.54	-16 18.6	2.563	3.463	8.3	20.8	4 1	14 37.12	-17 15.9	2.246	3.145	9.4	22.2
4 11	14 29.30	-15 32.0	2.518	3.482	5.3	20.7	4 11	14 30.46	-16 37.8	2.190	3.153	6.1	22.0
4 21	14 22.14	-14 38.9	2.501	3.501	2.0	20.4	4 21	14 22.63	-15 51.2	2.162	3.161	2.4	21.7
5 1	14 14.72	-13 43.0	2.514	3.519	1.4	20.4	5 1	14 14.41	-14 59.9	2.163	3.168	1.5	21.7
5 11	14 7.73	-12 48.5	2.556	3.536	4.6	20.7	5 11	14 6.62	-14 8.3	2.192	3.175	5.1	21.9
5 21	14 1.75	-11 59.3	2.626	3.554	7.6	20.9	5 21	13 59.97	-13 21.1	2.249	3.181	8.5	22.2
5 31	13 57.21	-11 18.6	2.721	3.571	10.2	21.1	5 31	13 54.98	-12 42.2	2.331	3.187	11.4	22.4
190389	1999 <i>SC</i> ₁₅		4 26.9 218°90	4°8/1.2 18			179686	2002 <i>QR</i> ₁₀₉		4 26.9 200°77	3°6/23.9 17		
3 22	14 44.61	-29 57.6	2.366	3.123	13.7	20.5	3 22	14 43.46	-6 43.7	1.918	2.758	13.4	21.7
4 1	14 39.44	-30 14.1	2.265	3.116	11.3	20.3	4 1	14 38.56	-5 47.2	1.838	2.755	10.1	21.5
4 11	14 32.15	-30 14.2	2.186	3.108	8.7	20.2	4 11	14 31.55	-4 45.8	1.783	2.752	6.6	21.3
4 21	14 23.33	-29 56.5	2.132	3.099	6.1	20.0	4 21	14 23.09	-3 44.6	1.754	2.748	3.8	21.1
5 1	14 13.83	-29 21.5	2.106	3.090	4.8	19.9	5 1	14 14.07	-2 49.7	1.752	2.743	4.8	21.1
5 11	14 4.64	-28 32.4	2.107	3.081	6.1	19.9	5 11	14 5.50	-2 6.7	1.779	2.738	8.2	21.3
5 21	13 56.66	-27 34.5	2.136	3.071	8.7	20.1	5 21	13 58.22	-1 39.4	1.830	2.733	11.8	21.5
5 31	13 50.59	-26 34.2	2.189	3.060	11.5	20.2	5 31	13 52.90	-1 29.7	1.903	2.727	14.9	21.7
472173	2014 <i>DC</i> ₅₅		4 26.9 126°54	1°9/28.5 17			126088	2001 <i>YT</i> ₉₅		4 26.9 283°30	5°9/30.3 18		
3 22	14 43.05	-20 34.6	2.504	3.300	11.9	21.8	3 22	14 45.38	-27 6.2	1.491	2.293	18.4	19.6
4 1	14 37.85	-20 43.2	2.422	3.309	9.3	21.6	4 1	14 41.36	-27 40.1	1.392	2.273	15.2	19.3
4 11	14 30.91	-20 41.6	2.364	3.317	6.3	21.5	4 11	14 34.12	-27 54.3	1.312	2.254	11.4	19.1
4 21	14 22.80	-20 30.5	2.332	3.325	3.3	21.3	4 21	14 24.30	-27 45.1	1.254	2.234	7.7	18.8
5 1	14 14.24	-20 11.4	2.330	3.332	2.1	21.2	5 1	14 13.11	-27 11.8	1.220	2.214	5.9	18.6
5 11	14 6.06	-19 47.5	2.357	3.340	4.7	21.4	5 11	14 2.18	-26 18.5	1.211	2.193	8.3	18.7
5 21	13 58.95	-19 22.3	2.411	3.347	7.8	21.6	5 21	13 53.01	-25 13.5	1.226	2.173	12.5	18.9
5 31	13 53.47	-18 59.6	2.490	3.354	10.5	21.8	5 31	13 46.76	-24 7.0	1.262	2.153	16.9	19.1
62794	Scheirich		4 26.9 204°85	0°7/26.2 18			520005	2013 <i>TU</i> ₁₇₀		4 26.9 153°49	2°3/25.3 17		
3 22	14 40.24	-12 59.4	2.669	3.490	10.6	20.1	3 22	14 45.35	-7 46.3	1.987	2.820	13.2	21.7
4 1	14 35.62	-12 38.9	2.580	3.487	8.0	19.9	4 1	14 39.91	-7 36.0	1.909	2.823	10.0	21.5
4 11	14 29.45	-12 12.2	2.516	3.483	5.1	19.7	4 11	14 32.37	-7 22.7	1.856	2.825	6.4	21.3
4 21	14 22.24	-11 41.5	2.479	3.479	1.9	19.5	4 21	14 23.39	-7 9.3	1.829	2.828	2.9	21.1
5 1	14 14.63	-11 9.6	2.472	3.475	1.7	19.5	5 1	14 13.88	-6 59.4	1.831	2.830	3.3	21.1
5 11	14 7.30	-10 40.0	2.494	3.471	5.0	19.7	5 11	14 4.82	-6 56.3	1.860	2.832	6.9	21.3
5 21	14 0.88	-10 15.6	2.543	3.467	8.0	19.9	5 21	13 57.08	-7 2.4	1.916	2.833	10.5	21.5
5 31	13 55.87	-9 59.1	2.618	3.462	10.7	20.1	5 31	13 51.29	-7 19.1	1.994	2.835	13.7	21.7
139310	2001 <i>KQ</i> ₂₂		4 26.9 271°08	1°7/25.8 18			245861	2006 <i>OD</i> ₁₅		4 26.9 260°10	2°8/29.1 17		
3 22	14 45.10	-10 33.9	1.725	2.563	14.7	20.2	3 22	14 43.67	-22 52.9	2.384	3.174	12.7	20.7
4 1	14 40.29	-10 19.8	1.630	2.546	11.3	19.9	4 1	14 38.69	-23 7.1	2.276	3.156	10.1	20.5
4 11	14 32.95	-9 58.9	1.558	2.529	7.2	19.6	4 11	14 31.69	-23 9.6	2.191	3.139	7.2	20.3
4 21	14 23.70	-9 34.3	1.511	2.511	2.9	19.3	4 21	14 23.19	-22 59.9	2.133	3.120	4.1	20.1
5 1	14 13.55	-9 10.1	1.491	2.493	3.1	19.3	5 1	14 13.97	-22 39.1	2.102	3.102	2.9	20.0
5 11	14 3.69	-8 51.2	1.498	2.475	7.6	19.5	5 11	14 4.95	-22 10.0	2.101	3.083	5.3	20.1
5 21	13 55.23	-8 41.7	1.530	2.457	12.0	19.7	5 21	13 56.97	-21 36.9	2.126	3.064	8.6	20.3
5 31	13 49.03	-8 44.9	1.583	2.438	15.9	19.9	5 31	13 50.75	-21 4.6	2.176	3.044	11.7	20.4
479025	2013 <i>AP</i> ₁₂		4 26.9 199°62	4°6/21.8 17			192935	2000 <i>AZ</i> ₁₄₉		4 26.9 165°70	2°2/24.4 18		
3 22	14 39.55	+ 0 29.1	2.644	3.480	10.3	21.8	3 22	14 41.25	-8 19.8	2.787	3.612	10.1	21.3
4 1	14 35.03	+ 1 21.8	2.568	3.477	8.0	21.6	4 1	14 36.20	-7 32.0	2.709	3.618	7.6	21.1
4 11	14 29.04	+ 2 13.1	2.518	3.475	5.8	21.5	4 11	14 29.74	-6 40.2	2.657	3.624	4.8	20.9
4 21	14 22.08	+ 2 58.7	2.495	3.472	4.6	21.4	4 21	14 22.34	-5 47.8	2.633	3.629	2.5	20.8
5 1	14 14.76	+ 3 34.4	2.501	3.468	5.5	21.4	5 1	14 14.64	-4 58.7	2.639	3.633	3.1	20.8
5 11	14 7.77	+ 3 57.1	2.534	3.465	7.6	21.6	5 11	14 7.27	-4 16.4	2.676	3.637	5.7	21.0
5 21	14 1.66	+ 4 5.0	2.593	3.461	10.0	21.7	5 21	14 0.82	-3 43.9	2.739	3.640	8.4	21.2
5 31	13 56.93	+ 3 57.7	2.674	3.457	12.2	21.9	5 31	13 55.71	-3 22.9	2.827	3.642	10.8	21.3
177730	2005 <i>JM</i> ₄		4 26.9 296°20	8°0/19.9 18			70859	1999 <i>VN</i> ₁₃₀		4 26.9 286°13	0°1/26.8 18		
3 22	14 40.25	+ 0 18.8	1.540	2.400	15.0	19.7	3 22	14 43.66	-14 11.1	1.888	2.717	14.0	19.3
4 1	14 36.86	+ 2 3.3	1.448	2.370	11.9	19.4	4 1	14 38.93	-14 11.4	1.800	2.710	10.7	19.1
4 11	14 30.90	+ 3 52.2	1.380	2.340	9.1	19.2	4 11	14 31.92	-14 3.7	1.735	2.702	6.9	18.9
4 21	14 22.97	+ 5 35.8	1.335	2.310	8.0	19.0	4 21	14 23.29	-13 49.5	1.695	2.695	2.6	18.6
5 1	14 14.06	+ 7 2.9	1.316	2.279	9.8	19.0	5 1	14 13.94	-13 31.8	1.683	2.688	1.9	18.5
5 11	14 5.40	+ 8 4.3	1.321	2.249	13.3	19.1	5 11	14 4.96	-13 14.4	1.698	2.681	6.3	18.8
5 21	13 58.12	+ 8 34.9	1.346	2.218	17.1	19.3	5 21	13 57.30	-13 1.4	1.739	2.673	10.3	19.0
5 31	13 53.15	+ 8 33.5	1.389	2.188	20.6	19.4	5 31	13 51.69	-12 56.3	1.803	2.666	13.9	19.2
58844	1998 <i>HV</i> ₆₀		4 26.9 272°16	2°2/28.6 18			502790	2015 <i>DQ</i> ₉₉		4 26.9 99°34	2°4/24.7 17		
3 22	14 43.76	-20 25.5	2.379	3.178	12.4	19.1	3 22	14 40.54	-9 53.8	1.954	2.795	13.1	20.9
4 1	14 38.69	-20 47.5	2.277	3.165	9.8	18.9	4 1	14 36.26	-9 2.4	1.882	2.800	9.9	20.7
4 11	14 31.65	-21 0.1	2.199	3.152	6.8	18.7	4 11	14 30.04	-8 4.2	1.833	2.805	6.2	20.4
4 21	14 23.15	-21 2.9	2.147	3.138	3.6	18.5	4 21	14 22.51	-7 3.8	1.811	2.809	2.9	20.2
5 1	14 13.97	-20 56.7	2.123	3.125	2.4	18.4	5 1	14 14.53	-6 6.8	1.816	2.814	3.6	20.3
5 11	14 5.00	-20 44.2	2.128	3.111	5.2	18.5	5 11	14 7.03	-5 18.7	1.849	2.818	7.1	20.5
5 21	13 57.07	-20 28.7	2.161	3.098	8.5	18.7	5 21	14 0.79	-4 43.5	1.907	2.822	10.7	20.7
5 31	13 50.88	-20 14.2	2.218	3.084	11.6	18.9	5 31	13 56.38	-4 23.7	1.987	2.827	13.8	20.9
410426	2008 <i>AY</i> ₁₀₄		4 26.9 116°87	0°4/27.1 16			175819	1999 <i>TM</i> ₁₈		4 26.9 174°95	0°8/27.5 16		

EPHEMERIDES

4 26.9

4 26.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
388721	2007 <i>VW</i> ₁₅₈		4 26.9 33°59'	4.4/23.5	17		76837	2000 <i>SL</i> ₃₁₆		4 26.9 233°60'	4.3/4.9	18	
3 22	14 42.39	-1 52.4	2.046	2.888	12.6	20.7	3 22	14 36.04	-39 32.0	4.854	5.526	8.2	20.1
4 1	14 37.56	-1 22.4	1.974	2.889	9.6	20.5	4 1	14 32.07	-39 43.4	4.749	5.521	7.1	20.0
4 11	14 30.82	-0 53.6	1.927	2.891	6.6	20.3	4 11	14 27.07	-39 43.7	4.665	5.516	6.0	19.9
4 21	14 22.80	-0 30.2	1.906	2.894	4.5	20.2	4 21	14 21.37	-39 32.4	4.606	5.511	5.0	19.8
5 1	14 14.33	-0 16.5	1.913	2.896	5.3	20.3	5 1	14 15.40	-39 9.6	4.573	5.506	4.3	19.8
5 11	14 6.30	-0 15.6	1.946	2.898	8.1	20.4	5 11	14 9.61	-38 36.7	4.568	5.501	4.4	19.8
5 21	13 59.49	-0 29.1	2.004	2.901	11.2	20.6	5 21	14 4.39	-37 55.8	4.591	5.496	5.2	19.8
5 31	13 54.48	-0 57.1	2.085	2.903	14.0	20.8	5 31	14 0.12	-37 9.6	4.640	5.491	6.3	19.9
17590	1995 <i>CG</i>		4 26.9 275°29'	20°0'	5.7 18 R		381973	2010 <i>EB</i> ₁₇₂		4 26.9 132°48'	7°3/19.7	17	
3 22	14 43.28	+24 12.5	1.156	1.986	21.0	17.5	3 22	14 41.51	+7 4.4	2.259	3.093	11.9	20.8
4 1	14 39.80	+27 28.9	1.123	1.977	20.1	17.4	4 1	14 36.66	+8 17.8	2.204	3.102	9.6	20.7
4 11	14 32.96	+30 15.3	1.108	1.967	20.1	17.4	4 11	14 30.13	+9 24.5	2.174	3.110	7.9	20.6
4 21	14 23.75	+32 14.6	1.111	1.958	21.1	17.4	4 21	14 22.54	+10 18.4	2.169	3.119	7.3	20.6
5 1	14 13.66	+33 15.5	1.130	1.949	22.8	17.5	5 1	14 14.62	+10 54.6	2.192	3.127	8.2	20.7
5 11	14 4.43	+33 15.8	1.162	1.940	24.8	17.6	5 11	14 7.17	+11 9.9	2.240	3.134	10.2	20.8
5 21	13 57.39	+32 20.7	1.206	1.930	26.8	17.7	5 21	14 0.85	+11 4.1	2.311	3.142	12.3	20.9
5 31	13 53.43	+30 39.4	1.258	1.921	28.6	17.9	5 31	13 56.15	+10 38.4	2.403	3.149	14.3	21.1
405848	2006 <i>BQ</i> ₂₇₈		4 26.9 11°23'	0°2/26.9	16		345032	2005 <i>EP</i> ₁₆₂		4 26.9 161°91'	1°3/27.9	17	
3 22	14 43.10	-16 30.4	1.312	2.159	18.0	21.2	3 22	14 43.21	-18 41.9	2.213	3.023	12.9	21.4
4 1	14 39.26	-16 9.9	1.240	2.159	13.8	20.9	4 1	14 38.23	-18 42.5	2.129	3.025	10.0	21.2
4 11	14 32.46	-15 33.9	1.189	2.160	8.9	20.6	4 11	14 31.31	-18 32.9	2.067	3.027	6.6	21.0
4 21	14 23.54	-14 45.6	1.160	2.161	3.4	20.3	4 21	14 23.04	-18 13.8	2.032	3.029	3.0	20.8
5 1	14 13.80	-13 50.6	1.157	2.162	2.3	20.2	5 1	14 14.24	-17 47.6	2.026	3.030	1.8	20.7
5 11	14 4.72	-12 56.8	1.177	2.164	7.8	20.6	5 11	14 5.83	-17 18.1	2.047	3.032	5.2	20.9
5 21	13 57.54	-12 11.8	1.221	2.165	12.9	20.9	5 21	13 58.60	-16 49.4	2.096	3.033	8.7	21.1
5 31	13 53.12	-11 41.5	1.286	2.167	17.2	21.1	5 31	13 53.17	-16 25.6	2.169	3.034	11.8	21.3
224488	2005 <i>WQ</i> ₁		4 26.9 231°59'	6°2/30.5	18		145884	1999 <i>TY</i> ₈₃		4 26.9 268°58'	1°8/28.6	18	
3 22	14 54.20	-29 53.8	2.288	3.030	14.5	20.4	3 22	14 40.91	-21 2.6	2.503	3.302	11.9	20.4
4 1	14 47.16	-31 6.4	2.180	3.017	12.2	20.2	4 1	14 36.45	-21 0.1	2.397	3.286	9.3	20.2
4 11	14 37.39	-32 6.0	2.094	3.004	9.6	20.0	4 11	14 30.19	-20 46.6	2.315	3.269	6.4	20.0
4 21	14 25.46	-32 48.5	2.035	2.990	7.2	19.9	4 21	14 22.64	-20 22.5	2.260	3.253	3.3	19.8
5 1	14 12.34	-33 11.0	2.004	2.976	6.2	19.8	5 1	14 14.50	-19 49.8	2.233	3.236	2.0	19.6
5 11	13 59.30	-33 13.9	2.002	2.961	7.5	19.8	5 11	14 6.58	-19 11.8	2.235	3.219	4.8	19.8
5 21	13 47.54	-33 1.0	2.027	2.945	10.0	19.9	5 21	13 59.63	-18 32.8	2.264	3.202	8.1	20.0
5 31	13 38.04	-32 38.2	2.077	2.928	12.8	20.1	5 31	13 54.25	-17 57.0	2.318	3.184	11.1	20.1
341145	2007 <i>PR</i> ₁₅		4 26.9 260°90'	2°4/28.7	16		106126	2000 <i>TH</i> ₃₆		4 26.9 233°13'	0°2/27.0	17	
3 22	14 44.29	-21 33.4	2.269	3.066	13.0	21.1	3 22	14 40.03	-16 14.4	2.543	3.358	11.3	20.8
4 1	14 39.27	-21 44.3	2.161	3.046	10.3	20.9	4 1	14 35.61	-15 52.8	2.449	3.351	8.6	20.6
4 11	14 32.12	-21 43.7	2.075	3.027	7.2	20.6	4 11	14 29.56	-15 22.5	2.379	3.343	5.5	20.3
4 21	14 23.39	-21 31.2	2.015	3.006	3.9	20.4	4 21	14 22.37	-14 45.3	2.336	3.336	2.1	20.1
5 1	14 13.87	-21 8.1	1.984	2.986	2.6	20.2	5 1	14 14.71	-14 4.2	2.323	3.328	1.4	20.0
5 11	14 4.55	-20 37.7	1.981	2.965	5.5	20.4	5 11	14 7.35	-13 23.1	2.338	3.320	4.9	20.3
5 21	13 56.32	-20 4.3	2.006	2.943	9.0	20.6	5 21	14 0.93	-12 45.7	2.381	3.312	8.1	20.5
5 31	13 49.92	-19 32.8	2.055	2.922	12.3	20.7	5 31	13 56.00	-12 15.6	2.449	3.303	11.0	20.6
70155	1999 <i>NF</i> ₃₅		4 26.9 281°61'	9°5/20.3	18		301098	2008 <i>UC</i> ₃₆₁		4 26.9 124°88'	2°5/25.0	18	
3 22	14 45.03	+6 21.6	1.525	2.373	15.8	18.4	3 22	14 44.21	-11 55.0	1.503	2.349	16.1	21.5
4 1	14 40.40	+7 32.8	1.448	2.356	12.9	18.1	4 1	14 39.55	-10 50.4	1.437	2.358	12.1	21.3
4 11	14 33.08	+8 37.4	1.392	2.338	10.5	17.9	4 11	14 32.36	-9 34.5	1.393	2.366	7.6	21.0
4 21	14 23.78	+9 26.2	1.360	2.321	9.5	17.8	4 21	14 23.45	-8 13.5	1.374	2.374	3.3	20.8
5 1	14 13.61	+9 50.7	1.352	2.303	10.8	17.8	5 1	14 14.00	-6 55.3	1.382	2.382	4.0	20.9
5 11	14 3.89	+9 45.7	1.368	2.285	13.7	18.0	5 11	14 5.24	-5 48.1	1.416	2.389	8.4	21.1
5 21	13 55.75	+9 10.6	1.404	2.268	17.0	18.1	5 21	13 58.19	-4 58.0	1.474	2.396	12.8	21.4
5 31	13 50.05	+8 7.9	1.458	2.250	20.1	18.3	5 31	13 53.55	-4 28.1	1.553	2.403	16.5	21.6
435368	2007 <i>VJ</i> ₂₉₂		4 26.9 101°49'	3°5/30.6	18		429884	2012 <i>TE</i> ₁₆		4 26.9 290°56'	2°2/28.2	15	
3 22	14 40.26	-28 9.8	2.246	3.024	13.7	20.7	3 22	14 44.90	-19 12.8	1.886	2.700	14.6	21.2
4 1	14 36.03	-27 43.8	2.160	3.028	11.1	20.6	4 1	14 40.20	-19 34.6	1.780	2.678	11.6	20.9
4 11	14 29.88	-26 59.3	2.095	3.032	8.1	20.4	4 11	14 32.99	-19 45.9	1.696	2.654	7.9	20.6
4 21	14 22.46	-25 57.2	2.056	3.036	5.1	20.2	4 21	14 23.83	-19 46.0	1.637	2.631	4.0	20.3
5 1	14 14.60	-24 40.5	2.044	3.040	3.5	20.1	5 1	14 13.64	-19 36.2	1.605	2.608	2.5	20.2
5 11	14 7.20	-23 15.0	2.061	3.044	5.3	20.2	5 11	14 3.62	-19 19.4	1.600	2.585	6.3	20.4
5 21	14 1.03	-21 47.1	2.105	3.048	8.3	20.4	5 21	13 54.86	-19 0.3	1.621	2.562	10.5	20.6
5 31	13 56.67	-20 23.8	2.174	3.052	11.3	20.6	5 31	13 48.28	-18 44.0	1.665	2.538	14.4	20.7
75662	2000 <i>AG</i> ₇₉		4 26.9 214°72'	1°1/25.8	18		478023	2011 <i>SU</i> ₂₀₈		4 26.9 241°40'	4°5/30.9	16	
3 22	14 42.00	-12 3.0	2.547	3.369	11.1	21.4	3 22	14 42.94	-28 28.1	2.371	3.139	13.4	21.7
4 1	14 37.05	-11 31.3	2.453	3.360	8.4	21.2	4 1	14 38.16	-28 50.1	2.275	3.134	11.0	21.6
4 11	14 30.44	-10 53.0	2.384	3.352	5.3	20.9	4 11	14 31.36	-28 57.1	2.202	3.129	8.3	21.4
4 21	14 22.68	-10 10.7	2.342	3.342	2.0	20.7	4 21	14 23.10	-28 47.9	2.153	3.124	5.7	21.2
5 1	14 14.44	-9 27.9	2.330	3.332	2.2	20.7	5 1	14 14.21	-28 23.2	2.132	3.119	4.5	21.1
5 11	14 6.49	-8 48.7	2.348	3.322	5.5	20.9	5 11	14 5.63	-27 46.0	2.139	3.114	5.8	21.2
5 21	13 59.49	-8 16.5	2.393	3.310	8.7	21.1	5 21	13 58.21	-27 0.9	2.172	3.109	8.5	21.3
5 31	13 54.00	-7 54.1	2.462	3.299	11.5	21.3	5 31	13 52.61	-26 13.6	2.230	3.103	11.2	21.5
341327	2007 <i>TF</i> ₂₆		4 26.9 149°16'	0°6/27.4	17		33075	1997 <i>WV</i> ₂₂		4 26.9 134°94'	4°		

EPHEMERIDES

4 26.9

4 26.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
409189	2003 UY ₃₁₆		4 26.9 171.°24	1.4°/27.9	16		505288	2012 VU ₈₈		4 26.9 134.°01	2.8°/24.6	18	
3 22	14 46.21	-19 47.2	2.054	2.859	13.9	22.2	3 22	14 42.98	-5 40.0	2.302	3.135	11.7	21.3
4 1	14 40.63	-19 31.2	1.970	2.863	10.8	22.0	4 1	14 37.84	-5 21.5	2.227	3.139	8.8	21.1
4 11	14 32.88	-19 2.0	1.908	2.867	7.2	21.8	4 11	14 30.96	-5 1.6	2.176	3.143	5.7	20.9
4 21	14 23.65	-18 21.0	1.873	2.870	3.3	21.6	4 21	14 22.91	-4 43.4	2.152	3.147	3.1	20.8
5 1	14 13.86	-17 31.6	1.867	2.872	1.9	21.5	5 1	14 14.45	-4 30.3	2.157	3.151	3.7	20.8
5 11	14 4.55	-16 38.9	1.889	2.873	5.6	21.7	5 11	14 6.38	-4 25.2	2.190	3.154	6.6	21.0
5 21	13 56.60	-15 48.3	1.939	2.874	9.4	22.0	5 21	13 59.41	-4 30.1	2.250	3.158	9.6	21.2
5 31	13 50.66	-15 5.1	2.012	2.873	12.8	22.2	5 31	13 54.07	-4 46.0	2.333	3.161	12.4	21.4
170882	2004 PZ ₁₀₂		4 26.9 246.°26	4.4°/29.7	16		134205	2005 ET ₁₉₈		4 26.9 237.°09	2.1°/28.4	18	
3 22	14 46.79	-25 10.5	1.630	2.431	17.1	20.5	3 22	14 47.11	-20 42.2	2.095	2.894	13.9	20.4
4 1	14 42.01	-25 29.8	1.536	2.419	13.9	20.2	4 1	14 41.57	-20 45.2	1.989	2.877	11.0	20.2
4 11	14 34.30	-25 30.8	1.461	2.408	10.1	20.0	4 11	14 33.70	-20 35.8	1.906	2.860	7.5	19.9
4 21	14 24.34	-25 11.7	1.410	2.395	6.2	19.7	4 21	14 24.06	-20 13.7	1.848	2.842	3.8	19.7
5 1	14 13.31	-24 33.3	1.385	2.383	4.5	19.6	5 1	14 13.58	-19 40.7	1.820	2.823	2.4	19.5
5 11	14 2.65	-23 40.5	1.386	2.370	7.3	19.7	5 11	14 3.33	-19 0.9	1.820	2.803	5.8	19.7
5 21	13 53.66	-22 40.9	1.412	2.356	11.5	19.9	5 21	13 54.32	-18 19.5	1.847	2.783	9.8	19.9
5 31	13 47.33	-21 43.2	1.460	2.342	15.5	20.1	5 31	13 47.35	-17 42.0	1.898	2.761	13.3	20.1
447779	2007 RP ₁₂₂		4 26.9 184.°54	0.3°/26.4	18		119397	2001 TQ ₄₃		4 26.9 30.17	4.3°/25.0	18	
3 22	14 36.18	-13 40.2	4.041	4.852	7.5	22.8	3 22	14 47.48	-3 5.1	1.350	2.205	17.1	18.0
4 1	14 32.09	-13 20.0	3.950	4.851	5.6	22.7	4 1	14 42.19	-3 12.3	1.295	2.218	13.0	17.8
4 11	14 27.05	-12 55.4	3.885	4.851	3.5	22.5	4 11	14 34.10	-3 22.1	1.261	2.231	8.6	17.5
4 21	14 21.38	-12 27.9	3.850	4.850	1.3	22.3	4 21	14 24.15	-3 38.4	1.251	2.246	4.8	17.4
5 1	14 15.47	-11 59.3	3.845	4.849	1.1	22.3	5 1	14 13.63	-4 4.6	1.266	2.261	5.3	17.4
5 11	14 9.74	-11 31.9	3.870	4.847	3.4	22.5	5 11	14 3.95	-4 42.6	1.307	2.277	9.3	17.7
5 21	14 4.59	-11 7.6	3.924	4.846	5.5	22.6	5 21	13 56.22	-5 32.5	1.370	2.294	13.4	18.0
5 31	14 0.32	-10 48.1	4.004	4.844	7.4	22.8	5 31	13 51.15	-6 33.5	1.455	2.312	17.0	18.2
463221	2012 DH ₄₇		4 26.9 86.°02	4.0°/29.6	17		497372	2005 UM ₃₃₂		4 26.9 168.°37	2.5°/24.9	17	
3 22	14 46.86	-24 14.7	1.599	2.404	17.2	21.5	3 22	14 43.20	-8 52.2	1.971	2.808	13.2	22.7
4 1	14 41.71	-24 33.9	1.530	2.417	13.7	21.3	4 1	14 38.32	-8 13.8	1.895	2.810	10.0	22.5
4 11	14 33.83	-24 35.2	1.481	2.430	9.7	21.1	4 11	14 31.40	-7 30.1	1.842	2.812	6.3	22.3
4 21	14 24.05	-24 17.9	1.456	2.443	5.8	20.9	4 21	14 23.11	-6 45.0	1.816	2.814	3.0	22.0
5 1	14 13.61	-23 44.0	1.457	2.456	4.0	20.8	5 1	14 14.31	-6 3.5	1.818	2.815	3.6	22.1
5 11	14 3.86	-22 59.2	1.485	2.469	6.8	21.0	5 11	14 5.97	-5 30.3	1.848	2.816	7.2	22.3
5 21	13 55.93	-22 10.4	1.537	2.481	10.7	21.3	5 21	13 58.92	-5 9.1	1.903	2.817	10.8	22.5
5 31	13 50.57	-21 25.0	1.612	2.494	14.3	21.5	5 31	13 53.76	-5 1.9	1.980	2.818	13.9	22.7
297426	2000 SZ ₈₂		4 26.9 223.°87	3.7°/22.2	16		265754	2005 VC ₇₆		4 26.9 174.°28	2.9°/29.6	17	
3 22	14 38.48	-3 22.2	2.869	3.703	9.6	21.8	3 22	14 42.53	-25 42.2	1.953	2.747	15.0	20.6
4 1	14 34.20	-2 12.4	2.781	3.693	7.3	21.6	4 1	14 38.04	-25 11.8	1.867	2.748	11.9	20.4
4 11	14 28.55	-1 0.3	2.720	3.682	5.0	21.4	4 11	14 31.33	-24 22.0	1.802	2.749	8.4	20.2
4 21	14 21.98	+0 9.7	2.687	3.671	3.7	21.3	4 21	14 23.10	-23 13.7	1.762	2.750	4.8	19.9
5 1	14 15.04	+1 13.0	2.684	3.660	4.6	21.4	5 1	14 14.32	-21 51.0	1.749	2.751	3.0	19.8
5 11	14 8.36	+2 5.5	2.710	3.648	6.8	21.5	5 11	14 6.05	-20 20.5	1.765	2.751	5.7	20.0
5 21	14 2.46	+2 44.5	2.762	3.636	9.3	21.6	5 21	13 59.20	-18 50.2	1.808	2.751	9.5	20.2
5 31	13 57.81	+3 8.5	2.837	3.623	11.5	21.8	5 31	13 54.41	-17 27.5	1.875	2.750	12.9	20.4
477607	2010 KU ₉₀		4 26.9 244.°76	9.2°/7.9	18		750661	1999 VK ₁₁		4 26.9 249.°57	0.3°/27.1	18	
3 22	14 47.66	-49 7.7	3.012	3.620	13.7	21.1	3 22	14 44.76	-16 53.3	1.897	2.717	14.3	20.2
4 1	14 42.02	-49 56.3	2.903	3.605	12.6	20.9	4 1	14 39.92	-16 31.0	1.795	2.700	11.1	19.9
4 11	14 33.99	-50 25.2	2.810	3.590	11.4	20.8	4 11	14 32.70	-15 56.1	1.716	2.682	7.2	19.6
4 21	14 24.16	-50 30.4	2.739	3.575	10.2	20.7	4 21	14 23.69	-15 10.3	1.663	2.663	2.8	19.3
5 1	14 13.47	-50 9.8	2.689	3.559	9.4	20.6	5 1	14 13.85	-14 17.5	1.638	2.643	1.8	19.2
5 11	14 3.06	-49 23.9	2.664	3.543	9.3	20.6	5 11	14 4.28	-13 23.4	1.640	2.623	6.4	19.5
5 21	13 53.97	-48 16.7	2.663	3.527	9.9	20.6	5 21	13 56.02	-12 34.0	1.669	2.602	10.8	19.7
5 31	13 47.01	-46 54.1	2.686	3.510	11.0	20.7	5 31	13 49.87	-11 54.8	1.720	2.581	14.6	19.9
78923	2003 SA ₁₁₁		4 26.9 270.°49	1.4°/28.0	18		137877	2000 AB ₁₀₅		4 26.9 199.°63	0.3°/27.1	17	
3 22	14 41.34	-19 37.3	1.992	2.808	13.9	19.6	3 22	14 44.07	-17 38.7	2.047	2.862	13.6	20.8
4 1	14 37.10	-19 22.2	1.903	2.803	10.8	19.4	4 1	14 39.05	-17 1.9	1.957	2.859	10.4	20.6
4 11	14 30.74	-18 53.8	1.835	2.796	7.2	19.2	4 11	14 31.92	-16 12.0	1.891	2.855	6.7	20.4
4 21	14 22.88	-18 13.5	1.794	2.790	3.3	18.9	4 21	14 23.33	-15 11.7	1.851	2.850	2.6	20.1
5 1	14 14.40	-17 24.8	1.779	2.784	1.9	18.8	5 1	14 14.16	-14 5.4	1.839	2.845	1.7	20.0
5 11	14 6.30	-16 32.7	1.793	2.778	5.7	19.0	5 11	14 5.41	-12 59.1	1.857	2.839	5.9	20.3
5 21	13 59.46	-15 42.8	1.832	2.772	9.6	19.3	5 21	13 57.93	-11 58.6	1.901	2.832	9.8	20.5
5 31	13 54.56	-15 0.4	1.895	2.766	13.0	19.5	5 31	13 52.39	-11 9.0	1.969	2.824	13.3	20.7
516981	2012 KD ₅₂		4 26.9 274.°18	2.9°/29.4	17		122972	2000 ST ₂₂₈		4 26.9 159.°19	0.8°/26.2	17	
3 22	14 41.76	-24 50.5	2.013	2.809	14.5	21.5	3 22	14 42.57	-13 53.1	2.123	2.949	12.8	20.7
4 1	14 37.62	-24 31.9	1.905	2.788	11.6	21.2	4 1	14 37.73	-13 18.2	2.044	2.953	9.7	20.5
4 11	14 31.21	-23 55.3	1.818	2.767	8.2	21.0	4 11	14 30.98	-12 34.4	1.989	2.958	6.1	20.3
4 21	14 23.12	-23 0.5	1.757	2.746	4.7	20.7	4 21	14 22.94	-11 44.7	1.961	2.961	2.3	20.1
5 1	14 14.23	-21 50.3	1.723	2.724	3.0	20.6	5 1	14 14.45	-10 53.6	1.961	2.965	2.1	20.1
5 11	14 5.62	-20 30.3	1.716	2.702	5.9	20.7	5 11	14 6.40	-10 5.9	1.990	2.968	6.0	20.3
5 21	13 58.27	-19 7.9	1.737	2.680	9.8	20.9	5 21	13 59.56	-9 26.2	2.045	2.971	9.5	20.5
5 31	13 52.94	-17 50.4	1.781	2.657	13.5	21.1	5 31	13 54.51	-8 57.8	2.124	2.973	12.7	20.8
425150	2009 SO ₃₂₇		4 26.9 133.°74	1.4°/25.9	17		292880	2006 VB ₂₁ </					

EPHEMERIDES

4 26.9

4 26.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
130530	2000 QK ₂₀₁		4 26.9 153°84	1°2/27.7	18		352555	2008 CR ₂₁₂		4 26.9 271°22	5°4/21.3	18	
3 22	14 48.05	-17 54.9	1.799	2.614	15.2	20.0	3 22	14 39.10	+ 1 0.8	2.365	3.206	11.1	21.2
4 1	14 42.29	-17 53.5	1.721	2.621	11.7	19.8	4 1	14 34.99	+ 2 4.1	2.282	3.193	8.7	21.0
4 11	14 34.08	-17 40.1	1.666	2.628	7.7	19.6	4 11	14 29.23	+ 3 6.4	2.224	3.180	6.5	20.8
4 21	14 24.17	-17 15.8	1.636	2.634	3.3	19.3	4 21	14 22.33	+ 4 2.4	2.193	3.167	5.4	20.7
5 1	14 13.61	-16 43.7	1.635	2.640	1.9	19.2	5 1	14 14.95	+ 4 46.9	2.189	3.153	6.4	20.8
5 11	14 3.62	-16 8.6	1.661	2.645	6.2	19.5	5 11	14 7.87	+ 5 15.9	2.212	3.140	8.7	20.9
5 21	13 55.19	-15 35.9	1.713	2.649	10.4	19.7	5 21	14 1.75	+ 5 27.2	2.260	3.126	11.3	21.0
5 31	13 49.06	-15 10.6	1.788	2.653	14.0	20.0	5 31	13 57.13	+ 5 20.4	2.329	3.113	13.7	21.2
179467	2002 BM ₉		4 26.9 75°70	0°9/26.1	18		466849	2015 BU ₂₈₁		4 26.9 319°53	1°1/26.1	17	
3 22	14 40.99	-12 28.4	2.292	3.119	11.9	20.4	3 22	14 38.79	-15 23.0	1.556	2.402	15.6	20.4
4 1	14 36.31	-12 5.8	2.225	3.135	9.0	20.2	4 1	14 35.67	-14 28.2	1.471	2.391	11.9	20.2
4 11	14 29.96	-11 36.9	2.182	3.151	5.6	20.0	4 11	14 30.10	-13 17.9	1.408	2.381	7.6	19.9
4 21	14 22.53	-11 4.4	2.166	3.167	2.1	19.8	4 21	14 22.75	-11 56.5	1.369	2.370	2.8	19.5
5 1	14 14.77	-10 31.8	2.179	3.183	2.0	19.8	5 1	14 14.66	-10 31.1	1.357	2.360	2.8	19.5
5 11	14 7.47	-10 2.9	2.221	3.198	5.5	20.1	5 11	14 7.02	- 9 10.5	1.370	2.351	7.7	19.8
5 21	14 1.28	- 9 40.8	2.289	3.214	8.7	20.3	5 21	14 0.86	- 8 2.4	1.407	2.342	12.3	20.0
5 31	13 56.71	- 9 27.9	2.381	3.230	11.5	20.5	5 31	13 56.96	- 7 12.6	1.465	2.333	16.3	20.2
499186	2009 SS ₂₉₀		4 26.9 178°49	2°3/24.8	17		423714	2006 BR ₆₅		4 26.9 79°35	0°2/27.1	17	
3 22	14 43.12	- 9 9.1	2.196	3.027	12.2	22.4	3 22	14 43.47	-15 49.9	1.821	2.649	14.5	21.8
4 1	14 38.07	- 8 26.8	2.117	3.029	9.2	22.2	4 1	14 38.73	-15 38.0	1.749	2.658	11.1	21.6
4 11	14 31.17	- 7 39.2	2.061	3.030	5.9	22.0	4 11	14 31.77	-15 15.8	1.699	2.666	7.1	21.4
4 21	14 23.03	- 6 49.9	2.033	3.031	2.8	21.8	4 21	14 23.31	-14 45.3	1.675	2.675	2.7	21.1
5 1	14 14.42	- 6 3.6	2.034	3.031	3.4	21.9	5 1	14 14.31	-14 10.4	1.678	2.684	1.8	21.1
5 11	14 6.23	- 5 24.8	2.063	3.031	6.7	22.1	5 11	14 5.87	-13 36.0	1.709	2.693	6.1	21.4
5 21	13 59.18	- 4 57.1	2.119	3.030	10.0	22.3	5 21	13 58.85	-13 6.9	1.765	2.701	10.1	21.6
5 31	13 53.87	- 4 42.8	2.198	3.028	13.0	22.5	5 31	13 53.92	-12 46.9	1.844	2.710	13.5	21.9
205777	2002 CE ₇₁		4 26.9 352°12	1°5/27.7	17		388313	2006 SO ₃₂₂		4 26.9 19°59	0°7/27.4	17	
3 22	14 42.22	-17 46.8	1.210	2.061	18.9	20.0	3 22	14 43.62	-15 39.0	2.074	2.895	13.2	20.9
4 1	14 38.98	-17 53.8	1.138	2.057	14.7	19.8	4 1	14 38.69	-15 51.2	1.992	2.896	10.2	20.7
4 11	14 32.54	-17 45.2	1.084	2.053	9.7	19.5	4 11	14 31.71	-15 55.7	1.934	2.898	6.6	20.4
4 21	14 23.73	-17 22.1	1.052	2.051	4.3	19.2	4 21	14 23.29	-15 53.2	1.901	2.900	2.7	20.2
5 1	14 13.91	-16 48.4	1.043	2.049	2.5	19.0	5 1	14 14.30	-15 45.8	1.896	2.902	1.6	20.1
5 11	14 4.71	-16 11.0	1.059	2.048	7.9	19.3	5 11	14 5.70	-15 36.6	1.920	2.904	5.5	20.4
5 21	13 57.52	-15 37.3	1.096	2.048	13.2	19.6	5 21	13 58.33	-15 29.1	1.970	2.906	9.2	20.6
5 31	13 53.29	-15 14.2	1.153	2.048	17.8	19.9	5 31	13 52.85	-15 26.6	2.044	2.909	12.5	20.8
226446	1998 OB ₈		4 26.9 312°37	8°5/20.1	17		425299	2009 XA ₂₁		4 26.9 76°55	3°6/24.2	17	
3 22	14 39.15	+ 0 48.6	1.380	2.248	16.0	18.0	3 22	14 42.73	- 5 57.7	1.850	2.694	13.6	21.2
4 1	14 36.15	+ 2 30.7	1.306	2.232	12.7	17.8	4 1	14 37.97	- 5 17.2	1.788	2.706	10.3	21.0
4 11	14 30.50	+ 4 14.3	1.254	2.215	9.7	17.6	4 11	14 31.18	- 4 34.2	1.749	2.718	6.7	20.8
4 21	14 22.91	+ 5 48.7	1.225	2.200	8.5	17.4	4 21	14 23.05	- 3 53.4	1.736	2.730	3.8	20.6
5 1	14 14.48	+ 7 2.8	1.219	2.184	10.2	17.5	5 1	14 14.51	- 3 19.9	1.750	2.742	4.6	20.7
5 11	14 6.52	+ 7 48.1	1.237	2.169	13.6	17.6	5 11	14 6.55	- 2 58.1	1.792	2.755	7.9	20.9
5 21	14 0.13	+ 8 1.1	1.274	2.155	17.3	17.8	5 21	13 59.95	- 2 50.4	1.858	2.767	11.3	21.2
5 31	13 56.17	+ 7 42.3	1.329	2.141	20.7	18.0	5 31	13 55.30	- 2 58.0	1.946	2.779	14.3	21.4
314143	2005 ED ₂₀₈		4 26.9 153°75	3°6/23.8	18		229627	2006 DF ₁₆₀		4 26.9 14°43	3°1/29.0	17	
3 22	14 44.83	- 6 54.3	1.983	2.819	13.2	21.1	3 22	14 43.36	-22 7.3	1.716	2.530	15.9	20.2
4 1	14 39.44	- 5 50.9	1.914	2.828	9.9	20.9	4 1	14 39.01	-22 26.2	1.637	2.531	12.6	19.9
4 11	14 32.06	- 4 42.9	1.869	2.837	6.5	20.7	4 11	14 32.16	-22 30.4	1.579	2.533	8.8	19.7
4 21	14 23.36	- 3 35.8	1.851	2.845	3.8	20.6	4 21	14 23.52	-22 19.5	1.545	2.535	4.9	19.5
5 1	14 14.25	- 2 35.4	1.862	2.852	4.7	20.6	5 1	14 14.15	-21 55.4	1.537	2.538	3.3	19.4
5 11	14 5.66	- 1 47.3	1.901	2.858	7.9	20.8	5 11	14 5.27	-21 22.5	1.555	2.541	6.3	19.6
5 21	13 58.40	- 1 15.0	1.965	2.864	11.3	21.0	5 21	13 57.92	-20 46.7	1.598	2.544	10.3	19.8
5 31	13 53.06	- 1 0.2	2.052	2.869	14.2	21.3	5 31	13 52.89	-20 14.0	1.664	2.547	13.9	20.0
509472	2007 RP ₂₇₇		4 26.9 200°30	3°3/21.9	18		208639	2002 EX ₁₀₀		4 26.9 98°14	1°1/26.2	18	
3 22	14 36.26	+ 1 11.3	3.933	4.761	7.4	21.7	3 22	14 47.84	-12 6.8	1.509	2.348	16.4	20.3
4 1	14 32.17	+ 1 47.6	3.853	4.757	5.7	21.6	4 1	14 42.35	-11 55.7	1.445	2.361	12.5	20.1
4 11	14 27.13	+ 2 22.2	3.799	4.753	4.2	21.5	4 11	14 34.20	-11 36.5	1.403	2.374	7.9	19.9
4 21	14 21.46	+ 2 52.7	3.775	4.749	3.4	21.4	4 21	14 24.24	-11 12.1	1.386	2.386	2.9	19.6
5 1	14 15.56	+ 3 16.5	3.780	4.744	3.9	21.4	5 1	14 13.70	-10 47.1	1.395	2.399	2.7	19.6
5 11	14 9.85	+ 3 31.8	3.813	4.739	5.4	21.5	5 11	14 3.89	-10 26.6	1.431	2.411	7.5	19.9
5 21	14 4.71	+ 3 37.4	3.873	4.734	7.1	21.6	5 21	13 55.89	-10 14.9	1.491	2.423	11.9	20.2
5 31	14 0.45	+ 3 32.9	3.958	4.729	8.7	21.8	5 31	13 50.41	-10 15.0	1.572	2.434	15.7	20.5
353885	2012 XC ₈		4 26.9 162°95	3°0/24.1	18		165385	2000 WY ₁₇₆		4 26.9 109°66	2°7/25.1	18	
3 22	14 42.20	- 4 45.4	2.488	3.319	11.0	20.8	3 22	14 44.88	- 9 33.9	1.534	2.381	15.8	20.0
4 1	14 37.14	- 4 17.8	2.411	3.323	8.3	20.6	4 1	14 40.10	- 8 56.2	1.466	2.387	11.9	19.7
4 11	14 30.49	- 3 49.2	2.360	3.326	5.5	20.4	4 11	14 32.78	- 8 11.3	1.421	2.393	7.6	19.5
4 21	14 22.76	- 3 22.8	2.336	3.328	3.2	20.3	4 21	14 23.72	- 7 24.3	1.400	2.399	3.4	19.3
5 1	14 14.66	- 3 2.1	2.341	3.331	3.9	20.3	5 1	14 14.05	- 6 41.2	1.405	2.404	4.0	19.3
5 11	14 6.91	- 2 50.1	2.375	3.333	6.5	20.5	5 11	14 5.03	- 6 8.1	1.437	2.410	8.3	19.6
5 21	14 0.17	- 2 48.7	2.435	3.335	9.3	20.7	5 21	13 57.67	- 5 49.2	1.492	2.416	12.5	19.8
5 31	13 54.94	- 2 58.9	2.519	3.336	11.9	20.8	5 31	13 52.69	- 5 46.8	1.569	2.421	16.2	20.1
45304	2000 AQ ₄₇		4 26.9 208°66	6°1/21.2	18		59346	1999 CC ₁₃₇		4 26.9 209°66	1°4/25.9	18	
3 22	14 44.72	+ 2											

EPHEMERIDES

4 26.9

4 26.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
291385	2006 CZ ₃₂		4 26.9 300°75	2°2/30.4	18		292228	2006 SB ₆₀		4 26.9 151°75	3°4/22.9	18	
3 22	14 34.47	-26 4.2	4.264	5.030	7.9	20.0	3 22	14 39.72	-3 6.1	2.882	3.713	9.6	21.3
4 1	14 30.92	-26 0.3	4.163	5.025	6.3	19.9	4 1	14 35.06	-2 14.5	2.811	3.722	7.3	21.1
4 11	14 26.39	-25 48.1	4.086	5.020	4.6	19.8	4 11	14 29.08	-1 22.4	2.767	3.730	5.0	21.0
4 21	14 21.21	-25 27.8	4.037	5.015	3.0	19.6	4 21	14 22.25	-0 33.4	2.751	3.737	3.5	20.9
5 1	14 15.78	-25 0.6	4.016	5.010	2.2	19.6	5 1	14 15.14	+0 8.7	2.765	3.744	4.2	21.0
5 11	14 10.51	-24 28.5	4.025	5.005	3.2	19.6	5 11	14 8.36	+0 40.7	2.807	3.751	6.4	21.1
5 21	14 5.79	-23 53.6	4.063	5.000	4.9	19.8	5 21	14 2.43	+1 0.7	2.876	3.757	8.7	21.3
5 31	14 1.96	-23 18.5	4.127	4.995	6.6	19.9	5 31	13 57.77	+1 7.9	2.968	3.762	10.8	21.4
279705	2011 FB ₁₄₂		4 26.9 315°23	3°0/24.9	17		286440	2002 AA ₄₂		4 26.9 186°56	3°5/22.6	18	
3 22	14 40.82	-8 20.4	1.603	2.456	14.9	20.2	3 22	14 39.78	-1 45.1	3.085	3.914	9.1	21.8
4 1	14 37.22	-7 50.2	1.512	2.436	11.4	19.9	4 1	14 35.06	-0 57.9	3.006	3.913	7.0	21.7
4 11	14 31.14	-7 13.8	1.444	2.417	7.4	19.6	4 11	14 29.08	-0 10.9	2.953	3.912	4.9	21.5
4 21	14 23.19	-6 35.7	1.399	2.398	3.6	19.4	4 21	14 22.26	+0 32.7	2.928	3.911	3.6	21.4
5 1	14 14.37	-6 1.4	1.381	2.379	4.3	19.4	5 1	14 15.13	+1 9.3	2.933	3.909	4.3	21.5
5 11	14 5.85	-5 37.0	1.388	2.361	8.5	19.6	5 11	14 8.28	+1 36.1	2.967	3.906	6.3	21.6
5 21	13 58.74	-5 26.6	1.418	2.343	12.9	19.8	5 21	14 2.19	+1 51.3	3.028	3.903	8.5	21.7
5 31	13 53.87	-5 33.1	1.469	2.326	16.8	20.0	5 31	13 57.30	+1 54.0	3.113	3.899	10.5	21.9
14223	Dolby		4 26.9 244°67	2°0/25.3	18		352592	2008 EL ₂₇		4 26.9 113°61	6°5/19.4	17	
3 22	14 45.52	-10 30.6	2.054	2.882	13.1	19.3	3 22	14 39.05	+6 33.3	2.542	3.375	10.7	21.0
4 1	14 40.28	-9 53.8	1.952	2.862	10.0	19.1	4 1	14 34.70	+7 48.8	2.487	3.385	8.7	20.9
4 11	14 32.85	-9 9.3	1.873	2.841	6.4	18.8	4 11	14 28.91	+8 58.6	2.458	3.395	7.1	20.8
4 21	14 23.79	-8 20.5	1.821	2.820	2.8	18.5	4 21	14 22.19	+9 57.3	2.455	3.404	6.6	20.8
5 1	14 13.96	-7 32.1	1.798	2.797	3.2	18.5	5 1	14 15.20	+10 40.3	2.480	3.414	7.5	20.9
5 11	14 4.36	-6 49.5	1.803	2.774	7.1	18.7	5 11	14 8.60	+11 4.8	2.531	3.423	9.2	21.0
5 21	13 55.94	-6 17.1	1.834	2.750	11.0	18.9	5 21	14 2.95	+11 10.0	2.605	3.432	11.2	21.2
5 31	13 49.43	-5 58.5	1.889	2.725	14.5	19.1	5 31	13 58.71	+10 56.6	2.700	3.440	13.0	21.3
271854	2004 TA ₂₅₈		4 26.9 295°89	1°4/27.8	17		502374	2015 BE ₂₄₂		4 26.9 286°48	3°5/24.1	17	
3 22	14 43.95	-17 47.2	1.765	2.588	15.1	20.2	3 22	14 40.86	-8 6.9	1.716	2.565	14.3	21.2
4 1	14 39.48	-17 57.8	1.673	2.577	11.7	20.0	4 1	14 37.01	-7 9.3	1.630	2.553	10.8	21.0
4 11	14 32.51	-17 57.4	1.603	2.566	7.8	19.7	4 11	14 30.86	-6 4.4	1.568	2.540	7.0	20.7
4 21	14 23.70	-17 46.4	1.557	2.555	3.5	19.4	4 21	14 23.06	-4 57.5	1.530	2.527	3.8	20.5
5 1	14 14.03	-17 27.0	1.539	2.544	2.1	19.3	5 1	14 14.56	-3 55.6	1.520	2.514	4.8	20.5
5 11	14 4.69	-17 3.5	1.547	2.533	6.4	19.6	5 11	14 6.43	-3 5.4	1.535	2.501	8.7	20.7
5 21	13 56.76	-16 40.7	1.581	2.523	10.7	19.8	5 21	13 59.65	-2 31.9	1.575	2.488	12.6	20.9
5 31	13 51.08	-16 23.6	1.637	2.512	14.5	20.0	5 31	13 54.96	-2 17.7	1.635	2.475	16.2	21.1
172971	2005 QN ₁₇₆		4 26.9 330°87	8°8/4.8	18		55333	2001 SZ ₁₁₇		4 26.9 46°21	2°7/28.9	18	
3 22	14 43.54	-39 32.1	2.159	2.871	16.1	19.1	3 22	14 46.67	-23 9.6	1.261	2.088	19.8	18.2
4 1	14 39.25	-40 23.9	2.065	2.865	14.1	19.0	4 1	14 41.54	-22 45.8	1.226	2.128	15.3	18.0
4 11	14 32.41	-40 54.4	1.990	2.859	12.0	18.8	4 11	14 33.58	-22 0.3	1.209	2.169	10.2	17.9
4 21	14 23.67	-40 59.7	1.937	2.853	10.1	18.7	4 21	14 23.94	-20 56.4	1.216	2.210	5.1	17.7
5 1	14 14.05	-40 38.0	1.907	2.847	8.9	18.6	5 1	14 14.11	-19 41.0	1.248	2.252	2.9	17.6
5 11	14 4.78	-39 51.5	1.902	2.842	9.1	18.6	5 11	14 5.52	-18 23.6	1.305	2.293	6.9	18.0
5 21	13 56.99	-38 45.8	1.921	2.837	10.6	18.7	5 21	13 59.13	-17 13.0	1.386	2.334	11.3	18.3
5 31	13 51.51	-37 28.7	1.963	2.833	12.7	18.8	5 31	13 55.47	-16 15.8	1.489	2.375	15.0	18.7
133134	2003 PN ₁₁		4 26.9 302°40	0°4/27.2	17		376488	2012 KR ₈		4 26.9 244°01	1°2/24.7	18	
3 22	14 41.20	-17 23.4	1.361	2.206	17.5	19.7	3 22	14 32.80	-10 24.4	4.458	5.281	6.6	20.6
4 1	14 38.06	-16 58.7	1.269	2.187	13.6	19.4	4 1	14 29.53	-9 31.3	4.370	5.279	4.9	20.4
4 11	14 31.97	-16 16.5	1.198	2.169	8.9	19.1	4 11	14 25.46	-8 34.6	4.309	5.277	3.1	20.3
4 21	14 23.59	-15 19.1	1.150	2.150	3.5	18.7	4 21	14 20.88	-7 36.5	4.277	5.275	1.4	20.2
5 1	14 14.09	-14 11.9	1.126	2.132	2.3	18.6	5 1	14 16.11	-6 39.5	4.277	5.274	1.8	20.2
5 11	14 4.96	-13 3.3	1.127	2.114	8.0	18.8	5 11	14 11.51	-5 46.1	4.307	5.272	3.6	20.3
5 21	13 57.54	-12 2.3	1.151	2.097	13.4	19.1	5 21	14 7.39	-4 58.5	4.366	5.270	5.4	20.5
5 31	13 52.83	-11 16.5	1.195	2.080	18.1	19.3	5 31	14 4.02	-4 18.4	4.451	5.268	7.1	20.6
323407	2004 BD ₁₂₅		4 26.9 128°62	0°7/26.4	17		62672	2000 TY ₁₀		4 26.9 287°24	1°9/25.5	18	
3 22	14 45.95	-13 52.4	1.861	2.687	14.3	22.3	3 22	14 42.32	-8 46.8	2.231	3.064	12.0	19.3
4 1	14 40.49	-13 28.1	1.790	2.699	10.8	22.1	4 1	14 37.56	-8 35.4	2.145	3.058	9.1	19.1
4 11	14 32.83	-12 54.7	1.743	2.712	6.8	21.9	4 11	14 30.95	-8 20.4	2.082	3.052	5.8	18.9
4 21	14 23.71	-12 15.0	1.723	2.723	2.5	21.6	4 21	14 23.04	-8 4.5	2.047	3.046	2.5	18.6
5 1	14 14.11	-11 33.5	1.730	2.734	2.2	21.6	5 1	14 14.60	-7 50.8	2.040	3.040	2.8	18.7
5 11	14 5.09	-10 55.2	1.765	2.745	6.4	21.9	5 11	14 6.48	-7 42.6	2.061	3.034	6.2	18.9
5 21	13 57.54	-10 24.8	1.827	2.755	10.3	22.2	5 21	13 59.45	-7 42.3	2.108	3.028	9.6	19.1
5 31	13 52.09	-10 5.6	1.911	2.764	13.7	22.4	5 31	13 54.09	-7 51.8	2.179	3.022	12.6	19.2
341745	2007 VR ₂₆₈		4 26.9 95°20	1°3/25.7	17		345717	2006 WD ₁₈₀		4 26.9 143°27	2°4/29.7	18	
3 22	14 41.26	-11 59.9	2.270	3.098	12.0	21.2	3 22	14 40.80	-24 59.6	2.862	3.638	11.1	21.8
4 1	14 36.54	-11 25.6	2.203	3.114	9.0	21.0	4 1	14 36.04	-24 46.0	2.776	3.647	8.8	21.6
4 11	14 30.15	-10 44.7	2.160	3.129	5.6	20.8	4 11	14 29.79	-24 20.0	2.714	3.656	6.2	21.5
4 21	14 22.67	-10 0.6	2.144	3.144	2.2	20.6	4 21	14 22.55	-23 42.5	2.679	3.664	3.7	21.3
5 1	14 14.86	-9 17.3	2.158	3.159	2.3	20.6	5 1	14 14.96	-22 55.6	2.673	3.672	2.5	21.2
5 11	14 7.51	-8 38.9	2.199	3.174	5.7	20.9	5 11	14 7.73	-22 2.8	2.697	3.679	4.3	21.4
5 21	14 1.29	-8 9.0	2.267	3.189	8.9	21.1	5 21	14 1.45	-21 8.4	2.749	3.686	6.9	21.5
5 31	13 56.70	-7 49.9	2.359	3.203	11.7	21.3	5 31	13 56.59	-20 16.4	2.826	3.693	9.3	21.7
150061	2006 RE ₁₀		4 26.9 251°45	0°4/27.3	17		76981	2001 BS ₆₅		4 26.9 73°85	2°1/28.5	18	
3 22	14 41.00	-16 40.2	2.256	3.075	12.4	20.7	3 22	14 43.44	-21 38.6	1			

EPHEMERIDES

4 26.9

4 26.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
134606	1999 <i>TH</i> ₁₉₁		4 26.9 230°89	2°2/30.2	18		153682	2001 <i>TG</i> ₂₂₄		4 26.9 0°90	1°5/27.7	17	
3 22	14 37.82	-25 51.5	4.090	4.852	8.3	20.6	3 22	14 49.15	-15 35.9	1.599	2.425	16.3	19.4
4 1	14 33.50	-25 51.5	3.980	4.840	6.7	20.4	4 1	14 43.63	-16 19.8	1.519	2.424	12.6	19.2
4 11	14 28.08	-25 42.8	3.894	4.827	4.8	20.3	4 11	14 35.27	-16 56.2	1.460	2.424	8.3	18.9
4 21	14 21.90	-25 25.6	3.836	4.814	3.1	20.1	4 21	14 24.82	-17 24.4	1.426	2.424	3.7	18.6
5 1	14 15.41	-25 0.9	3.807	4.801	2.3	20.1	5 1	14 13.45	-17 44.9	1.419	2.424	2.3	18.5
5 11	14 9.06	-24 30.5	3.809	4.787	3.4	20.1	5 11	14 2.54	-18 0.0	1.439	2.425	6.8	18.8
5 21	14 3.31	-23 56.9	3.839	4.773	5.2	20.2	5 21	13 53.31	-18 13.2	1.485	2.425	11.3	19.1
5 31	13 58.51	-23 22.8	3.896	4.759	7.1	20.4	5 31	13 46.67	-18 28.5	1.553	2.427	15.2	19.3
417851	2007 <i>HQ</i> ₆₀		4 26.9 110°95	2°8/25.5	17		251424	2008 <i>AH</i> ₁₁₀		4 26.9 305°14	4°1/30.6	18	
3 22	14 50.97	- 5 4.1	1.879	2.707	14.1	20.8	3 22	14 40.80	-27 23.3	2.175	2.957	14.0	20.0
4 1	14 44.33	- 5 19.3	1.803	2.712	10.8	20.6	4 1	14 36.77	-27 31.9	2.077	2.947	11.4	19.8
4 11	14 35.34	- 5 35.4	1.751	2.718	7.0	20.4	4 11	14 30.64	-27 24.1	2.001	2.937	8.5	19.6
4 21	14 24.72	- 5 54.4	1.726	2.723	3.4	20.2	4 21	14 23.01	-26 59.5	1.950	2.927	5.6	19.4
5 1	14 13.49	- 6 18.5	1.730	2.728	3.7	20.2	5 1	14 14.70	-26 19.1	1.925	2.918	4.1	19.3
5 11	14 2.80	- 6 49.6	1.763	2.733	7.3	20.4	5 11	14 6.72	-25 26.9	1.927	2.908	5.8	19.4
5 21	13 53.59	- 7 28.5	1.822	2.738	11.1	20.7	5 21	13 59.93	-24 28.6	1.956	2.899	8.9	19.6
5 31	13 46.59	- 8 15.6	1.905	2.742	14.4	20.9	5 31	13 55.02	-23 30.3	2.009	2.890	12.0	19.7
140851	2001 <i>UA</i> ₂₁₃		4 26.9 258°60	1°4/25.7	17		286106	2001 <i>TM</i> ₉₄		4 26.9 239°95	1°9/29.9	18	
3 22	14 40.63	-11 25.5	2.228	3.059	12.1	19.9	3 22	14 36.30	-24 33.1	4.740	5.505	7.2	20.5
4 1	14 36.28	-10 58.1	2.143	3.056	9.1	19.7	4 1	14 32.21	-24 43.9	4.636	5.499	5.7	20.4
4 11	14 30.12	-10 24.3	2.082	3.052	5.7	19.5	4 11	14 27.21	-24 48.0	4.557	5.492	4.1	20.3
4 21	14 22.73	- 9 47.0	2.048	3.048	2.3	19.2	4 21	14 21.59	-24 45.5	4.506	5.486	2.6	20.1
5 1	14 14.85	- 9 10.1	2.043	3.045	2.5	19.2	5 1	14 15.70	-24 37.3	4.485	5.479	1.9	20.1
5 11	14 7.32	- 8 37.7	2.065	3.041	6.0	19.5	5 11	14 9.94	-24 24.6	4.494	5.472	2.9	20.2
5 21	14 0.86	- 8 13.5	2.114	3.037	9.4	19.7	5 21	14 4.66	-24 9.1	4.532	5.465	4.5	20.3
5 31	13 56.06	- 8 0.0	2.186	3.033	12.4	19.8	5 31	14 0.18	-23 52.7	4.597	5.459	6.1	20.4
465078	2006 <i>SX</i> ₄₁₀		4 26.9 22°38	0°7/27.4	17		215349	2001 <i>VA</i> ₁₂₈		4 26.9 262°65	2°1/23.3	18	
3 22	14 41.66	-17 25.7	1.345	2.190	17.7	21.0	3 22	14 33.07	- 4 0.5	4.499	5.329	6.5	20.8
4 1	14 38.12	-17 8.2	1.277	2.195	13.6	20.7	4 1	14 29.76	- 3 28.6	4.410	5.320	4.9	20.7
4 11	14 31.77	-16 35.1	1.230	2.199	8.8	20.5	4 11	14 25.64	- 2 56.2	4.348	5.312	3.3	20.5
4 21	14 23.44	-15 49.2	1.205	2.205	3.5	20.2	4 21	14 20.99	- 2 25.1	4.314	5.304	2.1	20.4
5 1	14 14.39	-14 55.8	1.205	2.211	2.1	20.1	5 1	14 16.13	- 1 57.5	4.311	5.295	2.6	20.5
5 11	14 6.03	-14 2.7	1.230	2.218	7.4	20.4	5 11	14 11.42	- 1 35.2	4.337	5.287	4.1	20.6
5 21	13 59.49	-13 17.0	1.279	2.225	12.2	20.7	5 21	14 7.17	- 1 19.6	4.390	5.278	5.8	20.7
5 31	13 55.56	-12 44.6	1.348	2.233	16.4	21.0	5 31	14 3.64	- 1 11.6	4.469	5.269	7.4	20.8
340348	2006 <i>DS</i> ₇₀		4 26.9 294°33	3°4/ 2.3	18		102720	1999 <i>VW</i> ₉₈		4 26.9 33°23	0°6/27.4	17	R
3 22	14 36.29	-32 1.9	4.361	5.088	8.3	21.1	3 22	14 41.00	-18 58.9	1.399	2.239	17.4	19.6
4 1	14 32.36	-32 16.4	4.256	5.082	6.9	21.0	4 1	14 37.51	-18 16.1	1.350	2.244	13.4	19.4
4 11	14 27.37	-32 21.2	4.175	5.075	5.5	20.9	4 11	14 31.33	-17 14.6	1.281	2.249	8.7	19.1
4 21	14 21.65	-32 16.0	4.119	5.069	4.1	20.8	4 21	14 23.28	-15 58.1	1.255	2.255	3.5	18.8
5 1	14 15.62	-32 1.1	4.092	5.063	3.4	20.7	5 1	14 14.58	-14 33.6	1.255	2.261	2.1	18.7
5 11	14 9.74	-31 38.2	4.094	5.056	3.9	20.7	5 11	14 6.57	-13 10.5	1.281	2.267	7.3	19.0
5 21	14 4.44	-31 9.2	4.124	5.050	5.1	20.8	5 21	14 0.32	-11 57.5	1.330	2.274	12.1	19.3
5 31	14 0.07	-30 36.9	4.180	5.044	6.6	20.9	5 31	13 56.58	-11 1.0	1.400	2.281	16.2	19.6
268973	2007 <i>EZ</i> ₃₁		4 26.9 313°22	0°2/27.1	17		294954	2008 <i>DU</i> ₈₁		4 26.9 150°91	6°0/18.6	18	R
3 22	14 42.08	-15 24.6	1.581	2.421	15.8	21.0	3 22	14 38.69	+ 5 27.4	2.868	3.699	9.7	21.4
4 1	14 38.30	-15 18.9	1.491	2.406	12.2	20.7	4 1	14 34.32	+ 7 3.5	2.809	3.706	7.8	21.2
4 11	14 31.91	-15 2.0	1.423	2.392	7.9	20.4	4 11	14 28.65	+ 8 35.8	2.777	3.714	6.4	21.2
4 21	14 23.55	-14 35.6	1.378	2.379	3.1	20.1	4 21	14 22.15	+ 9 58.9	2.774	3.720	6.0	21.1
5 1	14 14.28	-14 3.5	1.360	2.365	2.0	20.0	5 1	14 15.37	+11 7.7	2.799	3.727	6.9	21.2
5 11	14 5.36	-13 31.2	1.367	2.352	7.1	20.3	5 11	14 8.91	+11 58.9	2.850	3.733	8.6	21.3
5 21	13 57.94	-13 4.2	1.398	2.340	11.8	20.5	5 21	14 3.30	+12 31.2	2.927	3.739	10.5	21.5
5 31	13 52.89	-12 47.7	1.451	2.328	15.9	20.7	5 31	13 58.92	+12 44.6	3.024	3.744	12.2	21.6
388843	2008 <i>EO</i> ₇₄		4 26.9 241°55	3°5/22.9	18		62832	2000 <i>UN</i> ₅₄		4 26.9 70°74	3°2/24.3	18	
3 22	14 38.28	- 4 43.5	2.602	3.440	10.3	21.0	3 22	14 42.00	- 4 38.8	2.270	3.106	11.7	18.5
4 1	14 34.24	- 3 43.4	2.517	3.432	7.8	20.8	4 1	14 37.12	- 4 14.9	2.204	3.118	8.8	18.3
4 11	14 28.72	- 2 40.6	2.457	3.423	5.3	20.7	4 11	14 30.55	- 3 50.4	2.162	3.129	5.8	18.1
4 21	14 22.19	- 1 39.3	2.426	3.415	3.5	20.5	4 21	14 22.89	- 3 28.6	2.147	3.140	3.4	18.0
5 1	14 15.26	- 0 44.2	2.423	3.406	4.4	20.6	5 1	14 14.87	- 3 13.1	2.161	3.151	4.0	18.0
5 11	14 8.62	+ 0 0.5	2.448	3.397	6.9	20.7	5 11	14 7.30	- 3 6.8	2.202	3.163	6.8	18.2
5 21	14 2.84	+ 0 32.0	2.500	3.388	9.6	20.9	5 21	14 0.83	- 3 11.5	2.270	3.174	9.7	18.4
5 31	13 58.42	+ 0 48.7	2.574	3.379	12.0	21.0	5 31	13 55.98	- 3 27.9	2.360	3.185	12.3	18.6
246527	2008 <i>FA</i> ₉₅		4 26.9 236°45	1°2/24.9	18		372390	2009 <i>QH</i> ₂₁		4 26.9 238°97	1°7/28.2	17	
3 22	14 33.51	- 8 10.3	4.583	5.407	6.5	20.5	3 22	14 45.38	-19 46.4	2.049	2.856	13.9	21.8
4 1	14 30.06	- 7 50.0	4.494	5.404	4.8	20.3	4 1	14 40.30	-19 43.5	1.949	2.842	10.9	21.6
4 11	14 25.81	- 7 28.0	4.433	5.401	3.0	20.2	4 11	14 32.95	-19 28.3	1.871	2.828	7.4	21.4
4 21	14 21.04	- 7 5.7	4.400	5.398	1.5	20.1	4 21	14 23.92	-19 1.1	1.818	2.814	3.5	21.1
5 1	14 16.06	- 6 45.0	4.398	5.394	1.7	20.1	5 1	14 14.10	-18 24.4	1.794	2.799	2.1	20.9
5 11	14 11.24	- 6 27.5	4.425	5.391	3.5	20.2	5 11	14 4.57	-17 42.4	1.798	2.783	5.8	21.2
5 21	14 6.88	- 6 14.5	4.481	5.388	5.2	20.3	5 21	13 56.29	-17 0.5	1.829	2.766	9.7	21.4
5 31	14 3.25	- 6 7.3	4.562	5.385	6.8	20.5	5 31	13 50.01	-16 24.0	1.884	2.750	13.3	21.5
316575	2011 <i>SL</i> ₁₁₆		4 26.9 202°75	2°4/24.5	17		13459	4235 <i>T</i> ₋₁		4 26.9 130°97	2°		

EPHEMERIDES

4 26.9

4 26.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
210691	2000 <i>SB</i> ₅₉		4 26.9 169°07'	2.4/28.7	16		384738	2011 <i>LZ</i> ₆		4 26.9 216°14'	2.1/25.1	18	
3 22	14 48.27	-21 44.3	2.009	2.805	14.5	22.1	3 22	14 42.06	-9 7.7	2.256	3.088	11.9	21.3
4 1	14 42.38	-21 45.8	1.924	2.810	11.4	21.9	4 1	14 37.35	-8 34.4	2.170	3.083	9.0	21.1
4 11	14 34.17	-21 33.5	1.862	2.814	7.8	21.7	4 11	14 30.83	-7 56.0	2.109	3.078	5.7	20.9
4 21	14 24.34	-21 7.5	1.826	2.818	4.1	21.4	4 21	14 23.05	-7 16.0	2.074	3.073	2.7	20.7
5 1	14 13.88	-20 30.2	1.818	2.821	2.6	21.3	5 1	14 14.78	-6 38.4	2.069	3.067	3.1	20.7
5 11	14 3.90	-19 46.1	1.839	2.823	5.8	21.5	5 11	14 6.84	-6 7.5	2.091	3.061	6.4	20.9
5 21	13 55.35	-19 0.8	1.887	2.824	9.5	21.8	5 21	13 59.98	-5 46.5	2.140	3.054	9.7	21.1
5 31	13 48.94	-18 20.1	1.958	2.824	12.9	22.0	5 31	13 54.77	-5 37.6	2.212	3.048	12.7	21.3
209466	2004 <i>GM</i> ₅₁		4 26.9 291°36'	0.2/27.1	16		417098	2005 <i>UV</i> ₃₅₈		4 26.9 80°27'	0.2/27.1	18	
3 22	14 43.53	-14 22.6	2.145	2.967	12.8	20.9	3 22	14 49.69	-14 26.9	1.808	2.627	14.9	21.5
4 1	14 38.72	-14 30.6	2.049	2.954	9.9	20.7	4 1	14 43.27	-14 36.4	1.751	2.655	11.3	21.3
4 11	14 31.86	-14 31.9	1.976	2.941	6.4	20.4	4 11	14 34.58	-14 37.6	1.718	2.683	7.2	21.1
4 21	14 23.49	-14 27.4	1.929	2.929	2.5	20.1	4 21	14 24.43	-14 32.0	1.710	2.710	2.8	20.9
5 1	14 14.43	-14 19.3	1.911	2.916	1.6	20.0	5 1	14 13.91	-14 22.3	1.732	2.737	1.8	20.9
5 11	14 5.62	-14 10.6	1.921	2.903	5.6	20.3	5 11	14 4.14	-14 12.1	1.781	2.763	6.0	21.2
5 21	13 57.94	-14 4.7	1.957	2.891	9.4	20.5	5 21	13 56.00	-14 5.1	1.857	2.789	9.9	21.5
5 31	13 52.07	-14 4.7	2.017	2.878	12.7	20.7	5 31	13 50.10	-14 4.4	1.956	2.815	13.2	21.8
89015	2001 <i>TW</i> ₈₅		4 26.9 146°28'	0.1/27.0	18		386489	2009 <i>AA</i> ₄₇		4 26.9 276°02'	5.2/1.2	18	
3 22	14 40.06	-17 7.0	2.514	3.328	11.4	20.3	3 22	14 43.65	-29 29.5	2.233	2.999	14.2	20.6
4 1	14 35.62	-16 26.4	2.433	3.334	8.7	20.1	4 1	14 38.97	-29 59.7	2.136	2.991	11.7	20.4
4 11	14 29.60	-15 35.8	2.375	3.340	5.5	19.9	4 11	14 32.10	-30 14.0	2.061	2.984	9.0	20.3
4 21	14 22.54	-14 37.8	2.346	3.345	2.1	19.7	4 21	14 23.61	-30 10.6	2.010	2.977	6.4	20.1
5 1	14 15.12	-13 36.2	2.345	3.351	1.4	19.7	5 1	14 14.38	-29 49.7	1.986	2.970	5.2	20.0
5 11	14 8.08	-12 35.7	2.374	3.356	4.9	19.9	5 11	14 5.46	-29 14.0	1.989	2.962	6.4	20.0
5 21	14 2.05	-11 40.7	2.431	3.360	8.0	20.1	5 21	13 57.76	-28 28.5	2.019	2.955	9.0	20.2
5 31	13 57.51	-10 54.9	2.512	3.365	10.8	20.3	5 31	13 52.03	-27 39.5	2.072	2.948	11.9	20.3
419697	2010 <i>UU</i> ₄₄		4 26.9 112°55'	3.2/29.4	17		230284	2001 <i>XP</i> ₂₁₈		4 26.9 74°95'	4.0/30.5	18	
3 22	14 44.45	-24 15.4	1.701	2.506	16.4	21.4	3 22	14 42.47	-27 44.5	1.738	2.531	16.5	20.0
4 1	14 39.84	-24 9.0	1.624	2.513	13.0	21.2	4 1	14 38.29	-27 23.7	1.662	2.540	13.3	19.8
4 11	14 32.69	-23 44.0	1.568	2.519	9.1	21.0	4 11	14 31.68	-26 40.6	1.606	2.548	9.7	19.6
4 21	14 23.80	-23 0.8	1.536	2.525	5.1	20.8	4 21	14 23.41	-25 35.9	1.573	2.557	5.9	19.4
5 1	14 14.26	-22 2.7	1.530	2.532	3.3	20.7	5 1	14 14.59	-24 13.6	1.567	2.565	4.0	19.3
5 11	14 5.32	-20 56.1	1.552	2.538	6.3	20.9	5 11	14 6.40	-22 41.0	1.588	2.574	6.3	19.4
5 21	13 58.00	-19 48.5	1.598	2.543	10.3	21.1	5 21	13 59.81	-21 7.0	1.635	2.582	10.0	19.7
5 31	13 53.04	-18 47.4	1.668	2.549	14.0	21.3	5 31	13 55.51	-19 40.1	1.705	2.591	13.5	19.9
364742	2007 <i>VL</i> ₂₅₂		4 26.9 158°58'	3.6/24.5	16		205771	2002 <i>CV</i> ₆₆		4 26.9 170°82'	0.4/26.7	18	
3 22	14 46.33	-6 25.0	1.742	2.582	14.5	21.3	3 22	14 47.35	-14 35.9	1.799	2.623	14.8	21.3
4 1	14 40.97	-5 47.5	1.670	2.587	11.0	21.1	4 1	14 41.80	-14 16.9	1.720	2.627	11.3	21.1
4 11	14 33.27	-5 6.6	1.622	2.591	7.2	20.8	4 11	14 33.86	-13 47.8	1.663	2.630	7.2	20.8
4 21	14 23.99	-4 27.0	1.599	2.595	3.9	20.7	4 21	14 24.25	-13 11.1	1.632	2.633	2.7	20.6
5 1	14 14.14	-3 54.0	1.604	2.598	4.7	20.7	5 1	14 14.00	-12 30.8	1.630	2.635	2.1	20.5
5 11	14 4.85	-3 32.7	1.636	2.601	8.3	20.9	5 11	14 4.28	-11 52.4	1.655	2.636	6.6	20.8
5 21	13 57.06	-3 25.9	1.693	2.603	12.1	21.1	5 21	13 56.06	-11 20.8	1.706	2.636	10.8	21.0
5 31	13 51.45	-3 35.0	1.771	2.605	15.4	21.4	5 31	13 50.06	-11 0.1	1.780	2.636	14.4	21.3
273851	2007 <i>GB</i> ₄₆		4 26.9 292°28'	1.0/26.3	17		276544	2003 <i>SU</i> ₈₈		4 26.9 271°54'	0.6/26.5	17	
3 22	14 42.48	-12 57.0	1.791	2.628	14.3	20.6	3 22	14 43.48	-12 59.7	1.938	2.768	13.7	20.2
4 1	14 38.36	-12 38.7	1.692	2.607	11.0	20.3	4 1	14 38.79	-12 50.7	1.851	2.763	10.4	20.0
4 11	14 31.85	-12 11.3	1.616	2.586	7.0	20.0	4 11	14 31.94	-12 34.2	1.788	2.757	6.6	19.8
4 21	14 23.55	-11 37.4	1.565	2.565	2.7	19.7	4 21	14 23.53	-12 12.3	1.751	2.751	2.5	19.5
5 1	14 14.37	-11 1.1	1.540	2.545	2.4	19.6	5 1	14 14.48	-11 48.6	1.741	2.746	2.1	19.4
5 11	14 5.46	-10 27.6	1.543	2.524	7.0	19.9	5 11	14 5.80	-11 27.1	1.759	2.740	6.3	19.7
5 21	13 57.82	-10 2.1	1.571	2.503	11.4	20.1	5 21	13 58.40	-11 11.7	1.803	2.735	10.2	19.9
5 31	13 52.30	-9 48.4	1.620	2.483	15.3	20.3	5 31	13 52.96	-11 5.7	1.870	2.729	13.7	20.1
269956	2000 <i>SV</i> ₂₃₁		4 26.9 208°83'	4.3/29.1	18		155337	2006 <i>KH</i> ₈₉		4 26.9 292°63'	3.1/1.7	18	R
3 22	14 54.47	-22 59.9	2.090	2.867	14.6	20.6	3 22	14 36.82	-30 14.3	4.368	5.106	8.1	19.9
4 1	14 47.36	-24 9.4	1.994	2.864	11.8	20.4	4 1	14 32.77	-30 31.6	4.263	5.099	6.7	19.8
4 11	14 37.58	-25 9.1	1.922	2.860	8.6	20.2	4 11	14 27.66	-30 39.9	4.183	5.092	5.2	19.7
4 21	14 25.74	-25 55.8	1.876	2.856	5.5	20.0	4 21	14 21.82	-30 38.8	4.128	5.086	3.8	19.6
5 1	14 12.87	-26 27.7	1.859	2.852	4.3	19.9	5 1	14 15.66	-30 28.9	4.103	5.079	3.1	19.5
5 11	14 0.23	-26 45.5	1.873	2.847	6.6	20.0	5 11	14 9.65	-30 11.6	4.106	5.072	3.7	19.5
5 21	13 48.98	-26 52.4	1.913	2.842	9.9	20.2	5 21	14 4.19	-29 48.8	4.137	5.066	5.1	19.6
5 31	13 40.04	-26 53.5	1.979	2.837	13.1	20.4	5 31	13 59.65	-29 23.0	4.195	5.059	6.6	19.7
360117	2013 <i>CG</i> ₂₀		4 26.9 160°57'	2.6/29.8	18		208615	2002 <i>DG</i> ₆		4 26.9 71°12'	0.4/26.7	18	
3 22	14 40.68	-24 56.0	2.612	3.394	11.9	21.2	3 22	14 45.22	-15 40.6	1.361	2.203	17.7	21.1
4 1	14 36.18	-24 46.2	2.522	3.397	9.5	21.0	4 1	14 40.60	-15 8.0	1.303	2.220	13.4	20.9
4 11	14 30.01	-24 23.1	2.456	3.399	6.7	20.8	4 11	14 33.21	-14 21.5	1.267	2.238	8.5	20.6
4 21	14 22.72	-23 47.5	2.416	3.401	4.0	20.6	4 21	14 23.99	-13 25.3	1.254	2.255	3.1	20.4
5 1	14 15.00	-23 1.3	2.405	3.404	2.7	20.6	5 1	14 14.24	-12 25.8	1.267	2.272	2.4	20.4
5 11	14 7.64	-22 8.5	2.422	3.406	4.6	20.7	5 11	14 5.35	-11 30.8	1.305	2.289	7.6	20.7
5 21	14 1.29	-21 13.5	2.468	3.407	7.4	20.9	5 21	13 58.38	-10 46.9	1.367	2.306	12.2	21.0
5 31	13 56.47	-20 21.1	2.538	3.409	10.1	21.0	5 31	13 54.03	-10 18.5	1.451	2.323	16.2	21.3
241948	2002 <i>CV</i> ₂₅₉		4 26.9 87°62'	1.1/26.2	17		370065	2001 <i>CX</i> ₄₇		4 26.9 94°60'			

EPHEMERIDES

4 26.9

4 26.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
259620	2003 <i>WX</i>		4 26.9 134°69	0°1/27.0	18		133711	2003 <i>UP</i> ₂₄₇		4 26.9 177°16	2°3/24.9	18	
3 22	14 45.44	-16 36.8	1.842	2.664	14.6	21.5	3 22	14 44.04	-7 14.1	2.400	3.227	11.5	20.4
4 1	14 40.22	-16 6.0	1.769	2.675	11.2	21.3	4 1	14 38.70	-6 54.1	2.318	3.228	8.7	20.3
4 11	14 32.77	-15 23.1	1.720	2.685	7.1	21.0	4 11	14 31.63	-6 31.5	2.262	3.230	5.6	20.1
4 21	14 23.82	-14 31.0	1.696	2.696	2.7	20.8	4 21	14 23.38	-6 9.2	2.234	3.230	2.8	19.9
5 1	14 14.38	-13 34.4	1.700	2.705	1.8	20.7	5 1	14 14.70	-5 50.5	2.234	3.231	3.2	19.9
5 11	14 5.52	-12 39.2	1.732	2.714	6.2	21.0	5 11	14 6.37	-5 38.4	2.264	3.231	6.2	20.1
5 21	13 58.13	-11 51.2	1.790	2.723	10.2	21.3	5 21	13 59.10	-5 35.3	2.320	3.230	9.3	20.3
5 31	13 52.86	-11 14.6	1.872	2.731	13.7	21.5	5 31	13 53.44	-5 42.7	2.401	3.229	12.0	20.5
305418	2008 <i>CE</i> ₁₂₇		4 26.9 137°74	4°0/30.9	18		332531	2008 <i>OP</i> ₁₉		4 26.9 321°57	3°2/24.4	17	
3 22	14 42.93	-28 26.5	2.616	3.378	12.4	21.5	3 22	14 39.88	-9 26.2	1.644	2.496	14.7	20.9
4 1	14 37.95	-28 39.8	2.529	3.385	10.1	21.3	4 1	14 36.34	-8 27.5	1.565	2.488	11.1	20.6
4 11	14 31.19	-28 39.0	2.465	3.391	7.6	21.2	4 11	14 30.51	-7 20.1	1.508	2.481	7.1	20.4
4 21	14 23.21	-28 23.4	2.427	3.398	5.2	21.0	4 21	14 23.04	-6 9.8	1.477	2.475	3.6	20.2
5 1	14 14.76	-27 54.2	2.416	3.404	4.0	20.9	5 1	14 14.92	-5 3.7	1.472	2.468	4.5	20.2
5 11	14 6.68	-27 14.5	2.434	3.410	5.2	21.0	5 11	14 7.24	-4 8.8	1.492	2.462	8.5	20.4
5 21	13 59.67	-26 28.5	2.479	3.415	7.6	21.2	5 21	14 0.97	-3 30.4	1.537	2.456	12.5	20.6
5 31	13 54.31	-25 41.4	2.550	3.420	10.1	21.4	5 31	13 56.82	-3 11.4	1.602	2.451	16.1	20.8
426648	2013 <i>SV</i> ₇₈		4 26.9 167°51	1°5/28.4	17		22808	1999 <i>RU</i> ₁₂		4 26.9 306°88	2°8/1.1	18	
3 22	14 43.72	-20 41.8	2.302	3.102	12.8	21.9	3 22	14 35.59	-28 19.8	4.030	4.783	8.5	19.1
4 1	14 38.62	-20 24.8	2.216	3.106	9.9	21.7	4 1	14 31.93	-28 24.4	3.919	4.770	7.0	19.0
4 11	14 31.65	-19 55.4	2.154	3.110	6.7	21.5	4 11	14 27.18	-28 19.4	3.833	4.756	5.2	18.8
4 21	14 23.39	-19 14.9	2.118	3.113	3.2	21.3	4 21	14 21.68	-28 5.0	3.774	4.742	3.6	18.7
5 1	14 14.65	-18 26.1	2.111	3.116	1.8	21.2	5 1	14 15.84	-27 41.9	3.743	4.729	2.8	18.6
5 11	14 6.32	-17 33.8	2.133	3.118	5.0	21.4	5 11	14 10.16	-27 12.1	3.741	4.715	3.6	18.7
5 21	13 59.16	-16 42.8	2.183	3.119	8.4	21.6	5 21	14 5.06	-26 37.8	3.767	4.702	5.3	18.8
5 31	13 53.76	-15 57.7	2.257	3.120	11.5	21.8	5 31	14 0.92	-26 1.9	3.820	4.689	7.1	18.9
178096	2006 <i>SY</i> ₂₂₇		4 26.9 86°44	3°7/30.3	17		508432	2016 <i>KV</i> ₁		4 26.9 272°70	7°9/19.8	18	
3 22	14 44.40	-26 16.8	2.360	3.136	13.2	20.9	3 22	14 44.03	+6 32.9	2.047	2.881	12.9	21.1
4 1	14 39.12	-26 35.1	2.287	3.154	10.6	20.8	4 1	14 39.19	+7 43.3	1.956	2.855	10.6	20.9
4 11	14 31.94	-26 39.3	2.237	3.172	7.7	20.6	4 11	14 32.23	+8 49.2	1.889	2.828	8.6	20.7
4 21	14 23.49	-26 29.1	2.212	3.190	5.0	20.5	4 21	14 23.71	+9 43.4	1.847	2.801	7.9	20.6
5 1	14 14.60	-26 5.7	2.215	3.207	3.7	20.4	5 1	14 14.46	+10 19.2	1.832	2.774	9.1	20.6
5 11	14 6.18	-25 32.7	2.246	3.225	5.3	20.5	5 11	14 5.45	+10 32.0	1.842	2.746	11.5	20.7
5 21	13 59.00	-24 54.6	2.304	3.242	8.0	20.7	5 21	13 57.57	+10 20.2	1.875	2.717	14.3	20.8
5 31	13 53.61	-24 16.2	2.387	3.259	10.7	20.9	5 31	13 51.54	+9 44.5	1.927	2.688	16.9	21.0
114117	2002 <i>VX</i> ₄₈		4 26.9 205°97	1°1/25.8	18		41262	1999 <i>XZ</i> ₅₅		4 26.9 241°87	0°1/26.9	18	
3 22	14 41.20	-12 5.6	2.540	3.363	11.0	20.8	3 22	14 40.24	-15 14.0	2.884	3.696	10.2	20.1
4 1	14 36.53	-11 33.5	2.450	3.358	8.3	20.7	4 1	14 35.72	-14 55.2	2.782	3.682	7.8	19.9
4 11	14 30.24	-10 55.0	2.386	3.354	5.2	20.4	4 11	14 29.72	-14 29.2	2.704	3.668	5.0	19.7
4 21	14 22.85	-10 12.7	2.349	3.348	2.0	20.2	4 21	14 22.67	-13 57.8	2.654	3.654	1.9	19.5
5 1	14 15.01	-9 30.1	2.341	3.343	2.2	20.2	5 1	14 15.18	-13 23.3	2.634	3.639	1.3	19.4
5 11	14 7.48	-8 51.2	2.362	3.337	5.4	20.4	5 11	14 7.90	-12 49.0	2.644	3.624	4.5	19.6
5 21	14 0.90	-8 19.4	2.411	3.331	8.6	20.6	5 21	14 1.42	-12 18.2	2.681	3.609	7.5	19.8
5 31	13 55.80	-7 57.4	2.484	3.324	11.3	20.8	5 31	13 56.25	-11 53.6	2.744	3.593	10.1	19.9
344233	2001 <i>SQ</i> ₄₁		4 26.9 156°81	2°8/23.7	17		62004	2000 <i>RG</i> ₃₈		4 26.9 256°24	0°1/26.9	18	
3 22	14 39.59	-6 50.2	2.761	3.591	10.0	21.9	3 22	14 43.65	-15 13.7	1.959	2.784	13.8	19.9
4 1	14 35.08	-5 49.0	2.686	3.598	7.5	21.8	4 1	14 39.02	-14 58.6	1.864	2.771	10.6	19.6
4 11	14 29.20	-4 44.5	2.637	3.604	4.9	21.6	4 11	14 32.17	-14 33.5	1.791	2.758	6.8	19.4
4 21	14 22.42	-3 40.5	2.617	3.610	2.9	21.5	4 21	14 23.69	-14 0.5	1.745	2.745	2.6	19.1
5 1	14 15.33	-2 41.3	2.627	3.615	3.6	21.5	5 1	14 14.49	-13 22.9	1.726	2.731	1.8	19.0
5 11	14 8.59	-1 51.1	2.666	3.620	6.1	21.7	5 11	14 5.58	-12 45.6	1.735	2.717	6.2	19.2
5 21	14 2.72	-1 12.4	2.732	3.625	8.7	21.9	5 21	13 57.92	-12 13.5	1.770	2.703	10.3	19.5
5 31	13 58.16	-0 47.2	2.821	3.629	11.0	22.0	5 31	13 52.25	-11 50.7	1.828	2.689	13.9	19.7
297142	2010 <i>TZ</i> ₁₆₃		4 26.9 211°62	1°1/27.7	17		196770	2003 <i>SK</i> ₁₆₇		4 26.9 289°60	0°6/26.6	18	
3 22	14 47.22	-17 19.4	1.854	2.670	14.8	21.5	3 22	14 43.45	-13 12.7	1.909	2.740	13.8	20.0
4 1	14 41.84	-17 24.9	1.765	2.665	11.5	21.3	4 1	14 38.81	-13 4.6	1.825	2.736	10.5	19.8
4 11	14 34.00	-17 19.6	1.698	2.660	7.6	21.0	4 11	14 31.98	-12 48.8	1.764	2.732	6.7	19.5
4 21	14 24.37	-17 4.3	1.657	2.655	3.3	20.7	4 21	14 23.60	-12 27.4	1.728	2.729	2.5	19.2
5 1	14 13.97	-16 41.5	1.644	2.649	1.9	20.6	5 1	14 14.58	-12 4.0	1.720	2.725	2.0	19.2
5 11	14 3.95	-16 15.4	1.658	2.643	6.2	20.9	5 11	14 5.95	-11 42.6	1.740	2.721	6.3	19.5
5 21	13 55.36	-15 50.7	1.699	2.636	10.4	21.1	5 21	13 58.62	-11 27.2	1.785	2.717	10.3	19.7
5 31	13 48.99	-15 32.3	1.763	2.629	14.1	21.3	5 31	13 53.28	-11 21.0	1.853	2.714	13.7	19.9
221325	2005 <i>VK</i> ₁₀₂		4 26.9 150°64	2°4/25.1	17		231872	2000 <i>TJ</i> ₂₅		4 26.9 157°96	1°3/25.2	18	
3 22	14 47.13	-6 56.6	2.356	3.178	11.8	21.3	3 22	14 37.40	-8 28.3	4.090	4.908	7.3	21.8
4 1	14 40.97	-6 40.5	2.281	3.188	8.9	21.1	4 1	14 33.05	-8 10.3	4.008	4.914	5.4	21.7
4 11	14 33.02	-6 22.3	2.232	3.198	5.7	20.9	4 11	14 27.77	-7 50.4	3.954	4.920	3.4	21.6
4 21	14 23.89	-6 4.7	2.211	3.207	2.8	20.7	4 21	14 21.88	-7 30.1	3.928	4.926	1.6	21.4
5 1	14 14.35	-5 50.8	2.219	3.215	3.2	20.8	5 1	14 15.78	-7 11.3	3.933	4.931	1.8	21.5
5 11	14 5.26	-5 43.6	2.257	3.223	6.3	21.0	5 11	14 9.88	-6 55.9	3.969	4.936	3.8	21.6
5 21	13 57.32	-5 45.0	2.322	3.230	9.4	21.2	5 21	14 4.55	-6 45.3	4.033	4.941	5.7	21.8
5 31	13 51.09	-5 56.5	2.411	3.236	12.1	21.4	5 31	14 0.09	-6 40.8	4.123	4.945	7.5	21.9
167705	2004 <i>TF</i> ₁₃₂		4 26.9 174°60	1°8/25.7	18		299873	2006 <i>SM</i> ₂₉₇		4 26.9 232°62	0°4/27.3	17	

EPHEMERIDES

4 26.9

4 26.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
35390	1997 <i>XW</i>		4 26.9 172°29	2.7/29.0	18		503123	2015 <i>FA</i> ₃₄₂		4 26.9 224°40	0°1/27.0	17	
3 22	14 47.33	-23 2.5	1.913	2.709	15.1	19.4	3 22	14 41.13	-16 41.6	2.082	2.904	13.1	20.9
4 1	14 41.82	-22 56.0	1.828	2.713	12.0	19.2	4 1	14 36.87	-16 8.4	1.995	2.901	10.1	20.7
4 11	14 33.92	-22 33.5	1.765	2.716	8.3	19.0	4 11	14 30.66	-15 23.6	1.932	2.898	6.5	20.4
4 21	14 24.34	-21 55.3	1.728	2.718	4.5	18.8	4 21	14 23.08	-14 30.0	1.895	2.895	2.5	20.2
5 1	14 14.11	-21 4.1	1.718	2.720	2.8	18.6	5 1	14 14.98	-13 31.8	1.886	2.891	1.7	20.1
5 11	14 4.38	-20 5.4	1.736	2.721	5.9	18.8	5 11	14 7.26	-12 34.5	1.905	2.888	5.7	20.4
5 21	13 56.15	-19 5.8	1.781	2.721	9.8	19.1	5 21	14 0.73	-11 43.2	1.951	2.884	9.5	20.6
5 31	13 50.13	-18 11.8	1.850	2.720	13.3	19.3	5 31	13 56.00	-11 2.4	2.020	2.881	12.8	20.8
434571	2005 <i>UM</i> ₁₉		4 26.9 205°98	0°1/26.9	18		335832	2007 <i>LJ</i> ₉		4 26.9 259°95	2°7/24.8	17	
3 22	14 39.26	-17 56.6	2.943	3.748	10.1	21.6	3 22	14 41.80	- 8 56.8	1.989	2.828	13.0	21.5
4 1	14 34.87	-16 53.7	2.846	3.743	7.7	21.4	4 1	14 37.48	- 8 13.0	1.900	2.817	9.9	21.3
4 11	14 29.10	-15 40.1	2.775	3.738	4.9	21.2	4 11	14 31.12	- 7 22.9	1.834	2.805	6.3	21.0
4 21	14 22.42	-14 18.5	2.733	3.733	1.9	21.0	4 21	14 23.29	- 6 30.5	1.795	2.793	3.1	20.8
5 1	14 15.41	-12 53.1	2.722	3.727	1.3	20.9	5 1	14 14.85	- 5 41.2	1.784	2.781	3.8	20.8
5 11	14 8.69	-11 28.8	2.742	3.721	4.5	21.1	5 11	14 6.73	- 5 0.3	1.800	2.768	7.4	21.0
5 21	14 2.81	-10 10.1	2.790	3.714	7.4	21.3	5 21	13 59.80	- 4 31.8	1.841	2.756	11.0	21.2
5 31	13 58.21	- 9 1.0	2.865	3.707	9.9	21.5	5 31	13 54.71	- 4 18.6	1.905	2.743	14.3	21.4
289562	2005 <i>EU</i> ₂₆₉		4 26.9 17°80	6°3/ 1.5	18		225851	2001 <i>XR</i> ₁₆₁		4 26.9 212°94	3°1/29.7	17	
3 22	14 40.94	-29 40.3	1.279	2.090	20.4	19.8	3 22	14 42.56	-25 18.9	1.900	2.697	15.2	20.3
4 1	14 38.08	-29 52.0	1.209	2.094	16.8	19.6	4 1	14 38.27	-24 58.9	1.812	2.695	12.1	20.1
4 11	14 32.05	-29 35.6	1.157	2.098	12.7	19.4	4 11	14 31.70	-24 20.0	1.745	2.693	8.6	19.8
4 21	14 23.73	-28 49.5	1.125	2.103	8.6	19.2	4 21	14 23.52	-23 22.9	1.702	2.690	4.9	19.6
5 1	14 14.53	-27 36.3	1.116	2.110	6.3	19.0	5 1	14 14.71	-22 10.8	1.687	2.688	3.1	19.5
5 11	14 6.09	-26 4.5	1.131	2.116	8.2	19.2	5 11	14 6.36	-20 50.1	1.699	2.685	5.9	19.7
5 21	13 59.74	-24 25.8	1.169	2.124	12.2	19.4	5 21	13 59.43	-19 28.5	1.738	2.682	9.7	19.9
5 31	13 56.33	-22 52.2	1.227	2.133	16.2	19.7	5 31	13 54.61	-18 13.3	1.800	2.679	13.2	20.1
499143	2009 <i>RE</i> ₁₆		4 26.9 141°00	1°4/25.7	17		408748	2014 <i>OZ</i> ₂₄₁		4 26.9 298°97	0°9/27.5	14 C	
3 22	14 43.47	-12 16.5	2.218	3.042	12.4	22.5	3 22	14 44.12	-16 44.6	1.245	2.093	18.6	21.9
4 1	14 38.35	-11 34.2	2.145	3.054	9.3	22.3	4 1	14 40.75	-16 46.5	1.155	2.073	14.6	21.6
4 11	14 31.42	-10 44.4	2.096	3.064	5.8	22.1	4 11	14 34.05	-16 33.7	1.083	2.053	9.7	21.3
4 21	14 23.32	- 9 50.7	2.075	3.075	2.3	21.9	4 21	14 24.65	-16 7.1	1.034	2.033	4.0	20.9
5 1	14 14.83	- 8 57.5	2.083	3.084	2.5	21.9	5 1	14 13.85	-15 30.1	1.008	2.014	2.4	20.7
5 11	14 6.81	- 8 9.7	2.119	3.093	6.0	22.2	5 11	14 3.34	-14 49.8	1.006	1.994	8.4	21.0
5 21	13 59.98	- 7 31.2	2.183	3.102	9.4	22.4	5 21	13 54.68	-14 14.0	1.026	1.975	14.2	21.2
5 31	13 54.86	- 7 4.8	2.270	3.110	12.3	22.6	5 31	13 49.09	-13 50.1	1.065	1.957	19.3	21.5
309342	2007 <i>TM</i> ₂₁		4 26.9 124°87	0°8/27.6	18		229472	2005 <i>UA</i> ₂₇₅		4 26.9 187°45	7°5/22.1	18	
3 22	14 47.11	-18 3.0	1.787	2.604	15.2	21.5	3 22	14 53.18	+ 9 47.4	2.241	3.047	12.9	20.4
4 1	14 41.57	-17 46.1	1.717	2.619	11.7	21.3	4 1	14 45.64	+10 8.6	2.167	3.046	10.6	20.3
4 11	14 33.67	-17 16.3	1.670	2.632	7.6	21.1	4 11	14 36.06	+10 19.6	2.117	3.046	8.5	20.1
4 21	14 24.21	-16 35.8	1.647	2.646	3.2	20.8	4 21	14 25.11	+10 15.4	2.095	3.044	7.5	20.1
5 1	14 14.24	-15 48.4	1.653	2.659	1.8	20.7	5 1	14 13.69	+ 9 52.4	2.101	3.042	8.2	20.1
5 11	14 4.90	-14 59.9	1.687	2.671	6.1	21.0	5 11	14 2.79	+ 9 9.5	2.136	3.040	10.1	20.2
5 21	13 57.13	-14 16.1	1.746	2.682	10.2	21.3	5 21	13 53.23	+ 8 7.9	2.196	3.036	12.5	20.4
5 31	13 51.59	-13 41.7	1.829	2.693	13.7	21.6	5 31	13 45.64	+ 6 50.4	2.279	3.033	14.8	20.5
118042	3204 <i>T</i> ₋₂		4 26.9 186°03	0°7/27.7	18		348847	2006 <i>SC</i> ₄₁		4 26.9 154°05	3°2/23.7	18	
3 22	14 41.95	-17 32.0	2.844	3.646	10.5	20.3	3 22	14 40.60	- 5 0.8	2.559	3.393	10.6	20.8
4 1	14 36.98	-17 24.5	2.752	3.646	8.1	20.2	4 1	14 35.98	- 4 17.0	2.485	3.398	8.0	20.6
4 11	14 30.49	-17 9.1	2.685	3.645	5.3	20.0	4 11	14 29.85	- 3 31.4	2.437	3.403	5.3	20.4
4 21	14 22.97	-16 46.9	2.646	3.644	2.3	19.8	4 21	14 22.73	- 2 47.8	2.416	3.407	3.3	20.3
5 1	14 15.04	-16 20.1	2.637	3.642	1.3	19.7	5 1	14 15.27	- 2 10.1	2.424	3.411	4.0	20.4
5 11	14 7.39	-15 51.5	2.657	3.640	4.3	19.9	5 11	14 8.16	- 1 41.9	2.460	3.415	6.5	20.5
5 21	14 0.62	-15 24.5	2.706	3.638	7.2	20.1	5 21	14 2.00	- 1 25.4	2.523	3.419	9.2	20.7
5 31	13 55.23	-15 1.8	2.780	3.635	9.8	20.3	5 31	13 57.26	- 1 21.8	2.609	3.422	11.6	20.9
116494	2004 <i>BE</i> ₁₅		4 26.9 203°31	0°7/26.4	17		255773	2006 <i>RD</i> ₇₀		4 26.9 101°53	0°4/27.3	18	
3 22	14 41.88	-13 18.1	2.188	3.014	12.4	20.5	3 22	14 45.69	-16 52.4	1.712	2.537	15.4	21.5
4 1	14 37.31	-12 57.3	2.104	3.013	9.4	20.3	4 1	14 40.56	-16 33.4	1.645	2.552	11.8	21.3
4 11	14 30.88	-12 28.9	2.044	3.012	6.0	20.1	4 11	14 33.07	-16 2.1	1.600	2.566	7.6	21.1
4 21	14 23.15	-11 55.5	2.010	3.010	2.2	19.9	4 21	14 24.01	-15 21.1	1.580	2.580	3.0	20.9
5 1	14 14.92	-11 20.5	2.005	3.009	2.0	19.8	5 1	14 14.44	-14 34.8	1.588	2.594	1.8	20.8
5 11	14 7.06	-10 48.2	2.028	3.007	5.7	20.1	5 11	14 5.51	-13 49.0	1.623	2.607	6.3	21.1
5 21	14 0.32	-10 22.3	2.077	3.006	9.3	20.3	5 21	13 58.17	-13 9.1	1.684	2.620	10.5	21.4
5 31	13 55.30	-10 6.0	2.151	3.004	12.4	20.5	5 31	13 53.08	-12 39.8	1.767	2.633	14.0	21.6
332403	2007 <i>LY</i> ₁₅		4 26.9 214°10	6°2/20.6	18		436605	2011 <i>KW</i> ₂₀		4 26.9 60°79	5°4/23.1	17	
3 22	14 42.53	+ 4 18.8	2.414	3.245	11.3	21.1	3 22	14 43.31	- 1 11.3	1.776	2.623	14.0	20.8
4 1	14 37.58	+ 5 24.2	2.337	3.238	9.0	20.9	4 1	14 38.59	- 0 26.5	1.715	2.632	10.7	20.6
4 11	14 30.94	+ 6 26.0	2.285	3.230	7.0	20.8	4 11	14 31.74	+ 0 16.7	1.677	2.641	7.5	20.5
4 21	14 23.16	+ 7 18.9	2.260	3.221	6.2	20.7	4 21	14 23.49	+ 0 52.8	1.664	2.649	5.4	20.4
5 1	14 14.92	+ 7 57.6	2.262	3.212	7.2	20.7	5 1	14 14.79	+ 1 16.3	1.678	2.658	6.4	20.4
5 11	14 7.02	+ 8 18.6	2.292	3.202	9.3	20.8	5 11	14 6.66	+ 1 23.4	1.718	2.667	9.3	20.6
5 21	14 0.12	+ 8 20.6	2.346	3.192	11.7	21.0	5 21	13 59.94	+ 1 12.8	1.782	2.677	12.5	20.8
5 31	13 54.77	+ 8 3.8	2.421	3.181	13.9	21.1	5 31	13 55.24	+ 0 44.7	1.867	2.686	15.3	21.0
340396	2006 <i>EU</i> ₂₉		4 26.9 274°82	5°2/ 5.5	18		175024	2004 <i>FU</i> ₂₉		4 26.9			

EPHEMERIDES

4 26.9

4 26.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
388387	2006 UC ₂₇₅		4 26.9 167°44	1°9/28.6	17		334819	2003 SR ₃₂₇		4 26.9 144°83	0°1/27.1	17	
3 22	14 43.30	-20 17.1	2.350	3.151	12.5	21.4	3 22	14 44.06	-15 12.3	2.241	3.057	12.5	21.5
4 1	14 38.38	-20 27.9	2.263	3.152	9.8	21.2	4 1	14 38.90	-15 2.9	2.161	3.064	9.6	21.3
4 11	14 31.57	-20 28.3	2.198	3.153	6.7	21.0	4 11	14 31.87	-14 45.3	2.105	3.070	6.1	21.1
4 21	14 23.45	-20 18.9	2.160	3.153	3.4	20.8	4 21	14 23.56	-14 21.3	2.076	3.076	2.4	20.9
5 1	14 14.79	-20 1.1	2.151	3.154	2.1	20.7	5 1	14 14.79	-13 53.9	2.076	3.081	1.5	20.8
5 11	14 6.47	-19 38.1	2.170	3.154	5.0	20.9	5 11	14 6.42	-13 26.7	2.104	3.086	5.3	21.1
5 21	13 59.24	-19 13.8	2.216	3.155	8.2	21.1	5 21	13 59.22	-13 3.5	2.160	3.091	8.8	21.3
5 31	13 53.73	-18 52.0	2.287	3.155	11.2	21.3	5 31	13 53.76	-12 47.5	2.240	3.096	11.8	21.5
185417	2006 WJ ₁₇₂		4 26.9 201°56	1°0/26.3	17		301840	4212 T ₋₃		4 26.9 167°35	0°8/26.2	18	
3 22	14 44.54	-13 6.8	1.814	2.646	14.4	20.9	3 22	14 42.11	-11 31.3	2.998	3.813	9.7	21.7
4 1	14 39.72	-12 43.5	1.732	2.644	10.9	20.7	4 1	14 36.97	-11 19.9	2.914	3.817	7.3	21.6
4 11	14 32.62	-12 11.2	1.673	2.642	6.9	20.4	4 11	14 30.44	-11 4.2	2.855	3.821	4.6	21.4
4 21	14 23.89	-11 32.8	1.639	2.640	2.6	20.2	4 21	14 22.98	-10 46.0	2.824	3.824	1.8	21.2
5 1	14 14.51	-10 52.7	1.633	2.637	2.4	20.1	5 1	14 15.19	-10 27.6	2.824	3.827	1.7	21.2
5 11	14 5.58	-10 16.3	1.655	2.634	6.7	20.4	5 11	14 7.67	-10 11.5	2.854	3.829	4.5	21.4
5 21	13 58.05	-9 48.2	1.702	2.631	10.9	20.6	5 21	14 0.98	-10 0.0	2.912	3.831	7.3	21.6
5 31	13 52.62	-9 32.1	1.771	2.628	14.4	20.9	5 31	13 55.58	-9 55.0	2.995	3.833	9.7	21.7
452677	2005 WS ₂₀₄		4 26.9 138°63	0°1/26.9	18		55473	2001 TK ₂₂₇		4 26.9 163°04	4°8/23.1	18	
3 22	14 50.07	-14 51.2	1.596	2.422	16.3	22.1	3 22	14 45.31	-1 10.3	2.127	2.962	12.5	19.1
4 1	14 44.11	-14 45.4	1.525	2.433	12.5	21.9	4 1	14 39.81	-0 24.9	2.057	2.967	9.6	19.0
4 11	14 35.47	-14 29.1	1.477	2.443	8.0	21.6	4 11	14 32.42	+0 19.5	2.011	2.972	6.7	18.8
4 21	14 24.97	-14 4.4	1.453	2.453	3.0	21.4	4 21	14 23.76	+0 58.0	1.993	2.976	4.9	18.7
5 1	14 13.81	-13 35.1	1.457	2.462	2.0	21.3	5 1	14 14.67	+1 26.0	2.002	2.980	5.7	18.7
5 11	14 3.32	-13 6.6	1.487	2.470	7.0	21.6	5 11	14 6.05	+1 39.8	2.039	2.983	8.4	18.9
5 21	13 54.61	-12 43.8	1.544	2.478	11.4	21.9	5 21	13 58.65	+1 37.7	2.101	2.985	11.3	19.1
5 31	13 48.42	-12 31.0	1.622	2.485	15.2	22.2	5 31	13 53.04	+1 19.7	2.186	2.987	14.0	19.3
148825	2001 UA ₁₄₅		4 26.9 67°26	1°3/26.0	18		52734	1998 HV ₃₂		4 26.9 70°42	2°9/23.6	18	
3 22	14 43.15	-10 47.5	2.123	2.953	12.6	19.9	3 22	14 39.56	-10 53.0	2.117	2.954	12.4	18.8
4 1	14 38.20	-10 37.6	2.055	2.966	9.5	19.8	4 1	14 35.39	-9 5.9	2.055	2.972	9.2	18.6
4 11	14 31.39	-10 22.7	2.010	2.979	6.0	19.6	4 11	14 29.54	-7 10.5	2.019	2.990	5.8	18.5
4 21	14 23.35	-10 5.2	1.992	2.992	2.3	19.3	4 21	14 22.64	-5 13.5	2.012	3.008	3.1	18.3
5 1	14 14.90	-9 48.5	2.002	3.005	2.3	19.4	5 1	14 15.46	-3 22.5	2.034	3.025	4.1	18.4
5 11	14 6.93	-9 35.9	2.040	3.018	5.9	19.6	5 11	14 8.80	-1 44.7	2.085	3.043	7.3	18.6
5 21	14 0.17	-9 30.0	2.105	3.030	9.3	19.8	5 21	14 3.30	-0 24.9	2.163	3.061	10.4	18.9
5 31	13 55.18	-9 33.1	2.193	3.043	12.3	20.1	5 31	13 59.45	+0 34.3	2.263	3.079	13.1	19.1
247907	2003 UE ₃₇₃		4 26.9 43°08	2°9/29.4	17		107260	2001 BC ₆₄		4 26.9 48°28	4°9/30.9	18	
3 22	14 41.52	-24 5.3	1.813	2.619	15.4	20.1	3 22	14 43.18	-28 13.0	1.785	2.573	16.4	19.3
4 1	14 37.52	-23 50.3	1.734	2.624	12.2	19.9	4 1	14 38.92	-28 26.2	1.709	2.581	13.3	19.1
4 11	14 31.22	-23 17.4	1.676	2.628	8.6	19.7	4 11	14 32.19	-28 19.7	1.654	2.590	9.9	18.9
4 21	14 23.35	-22 27.6	1.643	2.633	4.7	19.5	4 21	14 23.75	-27 52.6	1.621	2.598	6.6	18.7
5 1	14 14.89	-21 24.3	1.636	2.638	2.9	19.4	5 1	14 14.68	-27 6.6	1.615	2.607	4.9	18.6
5 11	14 6.96	-20 14.0	1.656	2.643	5.9	19.6	5 11	14 6.17	-26 7.0	1.635	2.616	6.6	18.8
5 21	14 0.49	-19 3.7	1.702	2.648	9.7	19.8	5 21	13 59.23	-25 1.2	1.680	2.625	9.9	19.0
5 31	13 56.13	-18 0.2	1.771	2.653	13.2	20.0	5 31	13 54.58	-23 56.8	1.748	2.635	13.2	19.2
66476	1999 RM ₂₆		4 26.9 17°56	2°9/24.7	18		431051	2006 BX ₈₂		4 26.9 121°99	10°9/15.6	17	
3 22	14 41.43	-8 42.3	1.792	2.638	13.9	18.9	3 22	14 44.25	+18 45.9	2.168	2.972	13.3	21.6
4 1	14 37.29	-7 57.7	1.719	2.639	10.5	18.7	4 1	14 38.91	+20 22.0	2.134	2.986	11.9	21.5
4 11	14 31.01	-7 7.0	1.668	2.639	6.7	18.4	4 11	14 31.76	+21 41.9	2.123	3.000	11.0	21.5
4 21	14 23.25	-6 15.2	1.643	2.640	3.3	18.2	4 21	14 23.47	+22 38.5	2.136	3.014	11.1	21.5
5 1	14 14.96	-5 27.7	1.645	2.642	4.0	18.3	5 1	14 14.91	+23 7.1	2.173	3.027	11.9	21.6
5 11	14 7.14	-4 50.3	1.673	2.643	7.7	18.5	5 11	14 6.93	+23 6.2	2.231	3.040	13.3	21.7
5 21	14 0.66	-4 26.7	1.726	2.644	11.5	18.7	5 21	14 0.25	+22 37.7	2.309	3.052	14.9	21.9
5 31	13 56.17	-4 19.1	1.801	2.646	14.8	18.9	5 31	13 55.36	+21 45.0	2.404	3.064	16.3	22.0
438424	2006 VD ₁₀₀		4 26.9 212°27	2°2/24.9	18		121037	1999 CV ₆		4 26.9 114°11	13°4/ 8.1	18	
3 22	14 42.62	-6 59.4	2.734	3.558	10.3	21.9	3 22	15 0.17	-47 37.9	1.807	2.458	20.6	21.0
4 1	14 37.51	-6 41.1	2.644	3.553	7.8	21.7	4 1	14 53.15	-49 21.6	1.740	2.477	18.7	20.8
4 11	14 30.86	-6 20.7	2.580	3.546	5.0	21.5	4 11	14 42.02	-50 36.6	1.689	2.495	16.7	20.7
4 21	14 23.16	-6 0.5	2.544	3.540	2.5	21.3	4 21	14 27.70	-51 14.7	1.657	2.512	14.9	20.6
5 1	14 15.03	-5 43.5	2.537	3.533	2.9	21.4	5 1	14 11.99	-51 10.4	1.646	2.529	13.7	20.6
5 11	14 7.16	-5 32.5	2.560	3.525	5.7	21.5	5 11	13 57.11	-50 25.5	1.656	2.545	13.4	20.6
5 21	14 0.18	-5 29.5	2.610	3.518	8.5	21.7	5 21	13 44.92	-49 8.4	1.689	2.560	14.2	20.7
5 31	13 54.58	-5 35.8	2.685	3.509	11.0	21.9	5 31	13 36.59	-47 31.4	1.743	2.575	15.7	20.8
118939	2000 WL ₅₁		4 26.9 325°46	0°5/26.6	18		22326	1991 SZ		4 26.9 276°81	1°5/26.1	18	
3 22	14 41.19	-13 14.8	2.079	2.909	12.9	19.3	3 22	14 46.02	-11 0.9	1.618	2.458	15.5	17.8
4 1	14 36.97	-13 6.4	1.991	2.902	9.8	19.0	4 1	14 41.34	-10 52.0	1.526	2.442	11.9	17.6
4 11	14 30.78	-12 50.9	1.926	2.895	6.2	18.8	4 11	14 33.96	-10 36.0	1.455	2.425	7.6	17.3
4 21	14 23.19	-12 30.2	1.888	2.888	2.3	18.5	4 21	14 24.53	-10 15.9	1.409	2.409	3.0	17.0
5 1	14 15.00	-12 7.6	1.877	2.882	1.9	18.5	5 1	14 14.11	-9 55.5	1.389	2.392	2.9	16.9
5 11	14 7.15	-11 46.9	1.894	2.876	5.8	18.7	5 11	14 4.00	-9 39.8	1.396	2.376	7.7	17.2
5 21	14 0.43	-11 31.7	1.937	2.870	9.6	19.0	5 21	13 55.37	-9 33.2	1.427	2.359	12.4	17.4
5 31	13 55.51	-11 25.1	2.003	2.864	12.8	19.1	5 31	13 49.15	-9 38.9	1.480	2.342	16.5	17.6
268509	2005 YP ₁₄₉		4 26.9 197°90	0°1/27.0	18		299928	2006 TQ ₁₈		4 26.9 307°74	1°5/25.5	17	
3 22	14 44.43	-15 33.9	2.388	3.200	12.0	21.9	3						

EPHEMERIDES

4 26.9

4 27.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
344357	2001 <i>WP</i> ₉₀		4 26.9 131°03	1.6°/28.5	17		141362	2002 <i>AP</i> ₃₇		4 27.0 279°15	4.5°/22.9	18	
3 22	14 42.94	-20 12.9	2.612	3.408	11.5	21.4	3 22	14 40.84	-1 40.3	2.245	3.085	11.7	19.9
4 1	14 37.84	-20 13.1	2.530	3.418	9.0	21.2	4 1	14 36.43	-0 56.3	2.169	3.083	9.0	19.7
4 11	14 31.11	-20 3.4	2.473	3.427	6.0	21.0	4 11	14 30.30	-0 12.8	2.118	3.081	6.3	19.6
4 21	14 23.27	-19 44.7	2.443	3.437	3.0	20.8	4 21	14 23.00	+0 25.8	2.094	3.079	4.5	19.4
5 1	14 15.03	-19 18.9	2.442	3.446	1.8	20.7	5 1	14 15.26	+0 54.9	2.098	3.077	5.4	19.5
5 11	14 7.15	-18 49.3	2.471	3.454	4.5	20.9	5 11	14 7.89	+1 11.0	2.128	3.074	7.9	19.6
5 21	14 0.30	-18 19.4	2.527	3.463	7.5	21.1	5 21	14 1.57	+1 12.1	2.184	3.072	10.7	19.8
5 31	13 54.98	-17 52.9	2.608	3.471	10.2	21.3	5 31	13 56.85	+0 57.8	2.262	3.070	13.3	20.0
141741	2002 <i>LP</i> ₃₆		4 26.9 294°60	8.7°/3.3	18		388412	2006 <i>WL</i> ₁₀₄		4 27.0 52°87	3.0°/24.5	17	
3 22	14 43.44	-35 33.7	1.585	2.347	19.2	19.3	3 22	14 41.85	-5 32.7	2.281	3.117	11.7	21.2
4 1	14 40.11	-36 2.0	1.479	2.323	16.6	19.1	4 1	14 37.16	-5 9.4	2.205	3.119	8.8	21.0
4 11	14 33.59	-36 3.5	1.391	2.299	13.6	18.8	4 11	14 30.75	-4 44.6	2.153	3.121	5.8	20.8
4 21	14 24.51	-35 32.6	1.322	2.275	10.6	18.6	4 21	14 23.16	-4 21.6	2.128	3.123	3.2	20.6
5 1	14 14.09	-34 27.2	1.277	2.251	8.8	18.4	5 1	14 15.15	-4 4.0	2.132	3.125	3.8	20.7
5 11	14 3.95	-32 51.2	1.256	2.227	9.5	18.4	5 11	14 7.51	-3 55.0	2.163	3.127	6.7	20.9
5 21	13 55.60	-30 54.3	1.258	2.203	12.5	18.5	5 21	14 0.94	-3 56.6	2.221	3.129	9.7	21.0
5 31	13 50.18	-28 49.5	1.283	2.179	16.3	18.6	5 31	13 55.98	-4 10.0	2.301	3.131	12.5	21.2
105523	2000 <i>RC</i> ₂₆		4 26.9 189°75	0.5°/27.4	16		279775	1999 <i>TO</i> ₇₉		4 27.0 231°25	1.2°/25.9	17	
3 22	14 45.96	-17 50.7	1.864	2.681	14.7	20.8	3 22	14 42.01	-12 43.2	2.019	2.851	13.1	21.7
4 1	14 40.80	-17 24.3	1.778	2.680	11.3	20.6	4 1	14 37.62	-12 8.5	1.934	2.846	10.0	21.4
4 11	14 33.32	-16 44.6	1.715	2.679	7.4	20.3	4 11	14 31.20	-11 25.1	1.872	2.841	6.3	21.2
4 21	14 24.19	-15 53.6	1.678	2.677	3.0	20.1	4 21	14 23.38	-10 36.4	1.836	2.836	2.4	21.0
5 1	14 14.40	-14 55.7	1.669	2.674	1.7	20.0	5 1	14 15.00	-9 46.9	1.829	2.831	2.5	20.9
5 11	14 5.08	-13 56.9	1.687	2.671	6.2	20.3	5 11	14 6.99	-9 1.9	1.849	2.826	6.4	21.2
5 21	13 57.19	-13 3.3	1.732	2.667	10.4	20.5	5 21	14 0.18	-8 25.8	1.895	2.821	10.2	21.4
5 31	13 51.44	-12 20.3	1.801	2.662	14.0	20.7	5 31	13 55.22	-8 2.1	1.964	2.815	13.5	21.6
461500	2003 <i>BC</i> ₈₇		4 26.9 342°19	5.0°/23.2	17		271870	2004 <i>TP</i> ₃₃₂		4 27.0 237°83	0.4°/27.4	17	
3 22	14 40.80	-4 54.6	1.551	2.409	15.1	21.0	3 22	14 42.37	-17 27.7	2.059	2.878	13.4	21.3
4 1	14 37.13	-3 48.6	1.480	2.405	11.5	20.8	4 1	14 37.94	-17 1.3	1.967	2.870	10.3	21.1
4 11	14 31.07	-2 38.4	1.432	2.402	7.8	20.5	4 11	14 31.45	-16 22.9	1.898	2.862	6.7	20.9
4 21	14 23.34	-1 31.1	1.408	2.399	5.2	20.4	4 21	14 23.50	-15 34.5	1.854	2.853	2.7	20.6
5 1	14 14.98	-0 34.5	1.410	2.397	6.3	20.4	5 1	14 14.92	-14 40.1	1.839	2.845	1.6	20.5
5 11	14 7.13	+0 4.9	1.437	2.395	9.9	20.6	5 11	14 6.70	-13 45.0	1.852	2.836	5.7	20.8
5 21	14 0.78	+0 23.2	1.487	2.393	13.7	20.8	5 21	13 59.67	-12 54.6	1.891	2.826	9.6	21.0
5 31	13 56.63	+0 19.5	1.556	2.392	17.1	21.1	5 31	13 54.52	-12 13.5	1.954	2.817	13.0	21.2
29435	Mordell		4 26.9 285°97	0.1°/27.0	17		168530	1999 <i>UU</i> ₃₃		4 27.0 237°21	0.1°/27.0	18	
3 22	14 42.98	-17 24.3	1.423	2.262	17.2	19.0	3 22	14 37.26	-15 11.6	3.671	4.479	8.2	21.2
4 1	14 39.52	-16 48.9	1.322	2.237	13.4	18.7	4 1	14 33.20	-14 55.8	3.570	4.469	6.3	21.0
4 11	14 33.08	-15 54.8	1.243	2.212	8.8	18.4	4 11	14 28.03	-14 34.6	3.495	4.458	4.0	20.8
4 21	14 24.28	-14 44.4	1.186	2.187	3.4	18.0	4 21	14 22.11	-14 9.2	3.448	4.447	1.5	20.6
5 1	14 14.26	-13 23.2	1.155	2.161	2.3	17.8	5 1	14 15.87	-13 41.7	3.431	4.437	1.0	20.6
5 11	14 4.49	-12 0.4	1.149	2.135	8.1	18.1	5 11	14 9.81	-13 14.3	3.445	4.426	3.5	20.8
5 21	13 56.33	-10 45.7	1.167	2.109	13.6	18.3	5 21	14 4.35	-12 49.3	3.487	4.414	5.9	20.9
5 31	13 50.84	-9 47.5	1.205	2.083	18.4	18.5	5 31	13 59.87	-12 28.9	3.555	4.403	8.1	21.0
399630	2004 <i>OH</i> ₃		4 27.0 270°36	5.7°/30.5	16		436607	2011 <i>KH</i> ₂₆		4 27.0 227°85	0.7°/27.7	18	
3 22	14 47.88	-28 1.3	1.653	2.440	17.5	21.5	3 22	14 42.09	-18 9.2	2.246	3.058	12.6	21.8
4 1	14 43.29	-28 26.0	1.542	2.414	14.6	21.3	4 1	14 37.57	-17 48.0	2.152	3.051	9.8	21.6
4 11	14 35.57	-28 31.0	1.450	2.386	11.0	21.0	4 11	14 31.14	-17 15.6	2.082	3.044	6.4	21.4
4 21	14 25.28	-28 12.5	1.381	2.358	7.5	20.7	4 21	14 23.36	-16 33.7	2.038	3.037	2.7	21.1
5 1	14 13.57	-27 29.7	1.337	2.329	5.7	20.5	5 1	14 15.03	-15 45.5	2.023	3.029	1.5	21.0
5 11	14 1.95	-26 26.4	1.319	2.300	8.0	20.6	5 11	14 7.03	-14 55.7	2.037	3.021	5.3	21.3
5 21	13 51.91	-25 10.5	1.326	2.270	12.1	20.7	5 21	14 0.12	-14 9.0	2.077	3.013	8.9	21.5
5 31	13 44.61	-23 52.4	1.355	2.239	16.4	20.9	5 31	13 54.94	-13 29.9	2.142	3.004	12.1	21.7
299755	Ericmontellese		4 27.0 206°86	1.6°/25.4	17		506774	2006 <i>WW</i> ₂₀₄		4 27.0 123°73	3.3°/30.9	17	
3 22	14 39.54	-11 53.2	2.304	3.135	11.7	21.8	3 22	14 41.20	-28 20.6	2.674	3.438	12.1	22.1
4 1	14 35.45	-11 4.2	2.221	3.134	8.8	21.6	4 1	14 36.57	-28 0.9	2.590	3.449	9.8	22.0
4 11	14 29.67	-10 7.5	2.163	3.133	5.6	21.4	4 11	14 30.31	-27 25.9	2.528	3.460	7.2	21.8
4 21	14 22.75	-9 6.8	2.132	3.131	2.3	21.2	4 21	14 22.99	-26 36.2	2.493	3.470	4.6	21.7
5 1	14 15.40	-8 6.9	2.129	3.130	2.6	21.2	5 1	14 15.32	-25 34.2	2.486	3.480	3.3	21.6
5 11	14 8.41	-7 12.7	2.155	3.128	6.0	21.4	5 11	14 8.07	-24 24.2	2.509	3.489	4.7	21.7
5 21	14 2.44	-6 28.2	2.208	3.126	9.3	21.6	5 21	14 1.87	-23 11.3	2.559	3.499	7.2	21.9
5 31	13 58.04	-5 56.5	2.284	3.125	12.2	21.8	5 31	13 57.22	-22 0.9	2.636	3.508	9.7	22.1
123529	2000 <i>XA</i> ₁₃		4 27.0 238°36	6.5°/2.6	18		60916	2000 <i>JL</i> ₃₇		4 27.0 188°02	1.6°/28.3	18	
3 22	14 46.98	-34 25.3	2.358	3.088	14.4	20.1	3 22	14 46.22	-21 1.7	1.771	2.581	15.6	18.9
4 1	14 41.66	-34 58.0	2.250	3.074	12.3	19.9	4 1	14 41.18	-20 36.4	1.685	2.581	12.2	18.6
4 11	14 33.97	-35 12.6	2.163	3.059	10.0	19.7	4 11	14 33.65	-19 54.3	1.621	2.580	8.2	18.4
4 21	14 24.51	-35 6.5	2.099	3.044	7.8	19.6	4 21	14 24.37	-18 56.9	1.582	2.578	3.8	18.1
5 1	14 14.17	-34 38.4	2.062	3.028	6.6	19.5	5 1	14 14.39	-17 48.5	1.571	2.576	2.1	18.0
5 11	14 4.08	-33 51.0	2.052	3.012	7.2	19.5	5 11	14 4.91	-16 35.8	1.588	2.573	6.3	18.2
5 21	13 55.24	-32 49.2	2.068	2.995	9.4	19.6	5 21	13 56.98	-15 26.3	1.630	2.570	10.6	18.5
5 31	13 48.47	-31 40.3	2.109	2.977	12.0	19.7	5 31	13 51.33	-14 26.6	1.696	2.566	14.4	18.7
274775	2008 <i>UH</i> ₃₆₁		4 27.0 278°69	6.9°/21.8	18		505091	2011 <i>UT</i> ₃₉₇		4 27.0 142°70	2.4°/24.7	18	