

EPHEMERIDES

11 25.9

11 26.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
184076	2004 <i>GY</i> ₂₃		11 25.9 189°21	3°5/24.1	18		482919	2014 <i>HK</i> ₁₅₅		11 25.9 267°14	4°3/23.7	18	
10 18	4 34.57	+10 22.8	2.668	3.446	11.8	21.7	10 18	4 34.42	+14 18.1	1.793	2.596	15.7	21.4
10 28	4 29.75	+9 48.6	2.579	3.445	9.4	21.6	10 28	4 30.61	+13 4.6	1.706	2.588	12.5	21.2
11 7	4 23.15	+9 15.5	2.514	3.443	6.7	21.4	11 7	4 24.25	+11 46.4	1.641	2.581	8.8	20.9
11 17	4 15.24	+8 45.9	2.477	3.441	4.3	21.2	11 17	4 15.94	+10 28.1	1.602	2.573	5.3	20.7
11 27	4 6.69	+8 22.4	2.469	3.438	3.6	21.2	11 27	4 6.65	+9 15.8	1.591	2.565	4.6	20.7
12 7	3 58.27	+8 7.5	2.492	3.435	5.6	21.3	12 7	3 57.55	+8 15.4	1.608	2.557	7.5	20.8
12 17	3 50.71	+8 2.5	2.544	3.431	8.3	21.5	12 17	3 49.73	+7 31.6	1.652	2.548	11.4	21.0
12 27	3 44.63	+8 8.3	2.622	3.426	10.8	21.6	12 27	3 44.07	+7 6.7	1.719	2.540	14.9	21.2
17525	1993 <i>FH</i> ₅		11 25.9 352°65	0°5/26.2	18		135564	2002 <i>GT</i> ₉		11 25.9 100°52	3°6/27.3	18	
10 18	4 35.20	+22 43.7	1.997	2.786	14.8	18.7	10 18	4 44.98	+29 45.2	1.559	2.334	18.9	20.2
10 28	4 31.10	+22 46.5	1.911	2.785	11.8	18.4	10 28	4 39.46	+30 9.6	1.494	2.354	15.2	20.0
11 7	4 24.52	+22 43.5	1.847	2.784	8.1	18.2	11 7	4 30.51	+30 21.7	1.449	2.374	11.0	19.8
11 17	4 16.04	+22 34.6	1.808	2.784	4.0	18.0	11 17	4 18.97	+30 18.0	1.427	2.393	6.5	19.6
11 27	4 6.59	+22 20.5	1.797	2.784	0.6	17.7	11 27	4 6.32	+29 57.5	1.433	2.412	3.6	19.4
12 7	3 57.32	+22 3.3	1.815	2.783	4.7	18.0	12 7	3 54.24	+29 23.2	1.466	2.430	6.1	19.6
12 17	3 49.27	+21 46.1	1.862	2.783	8.7	18.3	12 17	3 44.21	+28 41.1	1.527	2.448	10.3	19.9
12 27	3 43.33	+21 32.2	1.934	2.783	12.3	18.5	12 27	3 37.24	+27 58.6	1.612	2.465	14.1	20.2
516599	2007 <i>HC</i> ₉₂		11 25.9 106°91	1°6/24.9	18		223410	2003 <i>SK</i> ₁₇₇		11 26.0 83°57	0°1/26.1	18	
10 18	4 33.72	+18 41.2	2.599	3.379	12.0	21.0	10 18	4 35.38	+22 0.0	2.310	3.090	13.3	21.2
10 28	4 29.02	+17 52.2	2.525	3.395	9.4	20.9	10 28	4 30.68	+21 56.9	2.237	3.107	10.5	21.1
11 7	4 22.57	+16 59.1	2.474	3.412	6.3	20.7	11 7	4 23.90	+21 48.8	2.187	3.124	7.1	20.9
11 17	4 14.91	+16 3.8	2.452	3.428	3.2	20.5	11 17	4 15.63	+21 36.0	2.164	3.140	3.5	20.7
11 27	4 6.74	+15 9.4	2.461	3.443	1.7	20.5	11 27	4 6.70	+21 19.7	2.170	3.157	0.4	20.5
12 7	3 58.87	+14 19.3	2.500	3.459	4.4	20.7	12 7	3 58.04	+21 1.8	2.207	3.173	4.1	20.8
12 17	3 51.98	+13 36.4	2.569	3.474	7.4	20.9	12 17	3 50.53	+20 45.0	2.272	3.190	7.6	21.0
12 27	3 46.64	+13 3.0	2.665	3.488	10.1	21.1	12 27	3 44.82	+20 31.9	2.364	3.206	10.6	21.3
483513	2003 <i>FD</i> ₃₇		11 25.9 291°13	3°6/24.2	17		369205	2008 <i>TJ</i> ₁₆₀		11 26.0 111°76	1°0/25.4	18	
10 18	4 33.04	+14 5.9	1.977	2.777	14.6	22.2	10 18	4 32.95	+19 32.6	2.479	3.263	12.4	21.9
10 28	4 29.46	+13 15.2	1.874	2.755	11.6	22.0	10 28	4 28.66	+19 6.1	2.397	3.270	9.7	21.7
11 7	4 23.49	+12 21.0	1.793	2.732	8.2	21.7	11 7	4 22.49	+18 35.5	2.338	3.277	6.6	21.5
11 17	4 15.60	+11 26.6	1.738	2.710	4.8	21.5	11 17	4 14.94	+18 1.9	2.307	3.283	3.2	21.3
11 27	4 6.65	+10 36.6	1.712	2.688	3.9	21.4	11 27	4 6.77	+17 27.7	2.305	3.290	1.2	21.2
12 7	3 57.71	+9 55.4	1.713	2.665	6.8	21.5	12 7	3 58.81	+16 55.4	2.333	3.296	4.3	21.4
12 17	3 49.82	+9 26.8	1.742	2.643	10.6	21.7	12 17	3 51.83	+16 27.7	2.391	3.303	7.5	21.6
12 27	3 43.89	+9 13.4	1.795	2.620	14.2	21.9	12 27	3 46.48	+16 7.2	2.475	3.309	10.4	21.8
263659	2008 <i>GL</i> ₁₀₂		11 25.9 264°48	1°4/25.4	18		115641	2003 <i>UW</i> ₁₃₀		11 26.0 44°05	1°7/26.9	18	
10 18	4 34.27	+18 7.4	2.096	2.888	14.1	21.2	10 18	4 35.34	+29 5.3	1.861	2.642	16.0	18.9
10 28	4 30.14	+17 49.5	2.009	2.886	11.1	21.0	10 28	4 31.14	+28 31.5	1.796	2.663	12.7	18.8
11 7	4 23.75	+17 28.1	1.945	2.885	7.6	20.8	11 7	4 24.39	+27 44.7	1.753	2.685	8.9	18.6
11 17	4 15.63	+17 4.8	1.907	2.883	3.8	20.6	11 17	4 15.87	+26 45.4	1.734	2.706	4.8	18.4
11 27	4 6.66	+16 41.5	1.897	2.882	1.6	20.4	11 27	4 6.68	+25 36.7	1.744	2.729	1.7	18.2
12 7	3 57.85	+16 21.0	1.917	2.881	5.0	20.6	12 7	3 58.01	+24 23.4	1.783	2.751	4.7	18.5
12 17	3 50.18	+16 6.0	1.965	2.879	8.8	20.9	12 17	3 50.87	+23 11.8	1.850	2.774	8.6	18.7
12 27	3 44.42	+15 58.7	2.039	2.878	12.2	21.1	12 27	3 45.99	+22 7.5	1.943	2.798	12.0	19.0
334655	2002 <i>XN</i> ₄₆		11 25.9 315°73	4°4/27.6	18		206321	2003 <i>NJ</i> ₈		11 26.0 98°28	7°6/23.7	18	
10 18	4 37.33	+30 54.4	1.434	2.227	19.4	20.4	10 18	4 37.56	+1 45.0	1.786	2.572	16.4	19.9
10 28	4 34.27	+31 18.6	1.347	2.217	15.9	20.1	10 28	4 32.80	+1 3.6	1.721	2.582	13.5	19.7
11 7	4 27.55	+31 29.3	1.279	2.208	11.8	19.9	11 7	4 25.55	+0 31.7	1.678	2.592	10.5	19.6
11 17	4 17.81	+31 22.3	1.232	2.198	7.3	19.6	11 17	4 16.49	+0 14.5	1.659	2.602	8.2	19.4
11 27	4 6.40	+30 55.6	1.211	2.189	4.4	19.4	11 27	4 6.62	+0 16.2	1.666	2.612	7.7	19.4
12 7	3 55.12	+30 11.6	1.215	2.181	6.9	19.5	12 7	3 57.07	+0 38.4	1.700	2.621	9.5	19.6
12 17	3 45.70	+29 16.8	1.245	2.173	11.5	19.8	12 17	3 48.90	+1 20.3	1.761	2.631	12.3	19.8
12 27	3 39.47	+28 20.3	1.298	2.165	15.9	20.0	12 27	3 42.89	+2 19.3	1.844	2.640	15.0	20.0
523214	2016 <i>VE</i> ₂₁		11 25.9 47°67	3°1/27.2	18		114508	2003 <i>AS</i> ₈₂		11 26.0 41°06	2°9/25.3	18	
10 18	4 38.03	+28 33.9	1.813	2.593	16.5	21.3	10 18	4 37.94	+15 45.0	1.160	1.988	21.0	18.5
10 28	4 33.76	+29 0.6	1.733	2.596	13.3	21.1	10 28	4 34.30	+15 29.8	1.112	2.008	16.5	18.3
11 7	4 26.57	+29 18.0	1.672	2.600	9.6	20.9	11 7	4 27.12	+15 13.8	1.082	2.029	11.3	18.1
11 17	4 17.11	+29 23.3	1.636	2.604	5.6	20.7	11 17	4 17.35	+14 59.3	1.074	2.051	5.8	17.9
11 27	4 6.50	+29 15.7	1.628	2.608	3.1	20.6	11 27	4 6.54	+14 49.5	1.091	2.074	3.0	17.8
12 7	3 56.13	+28 56.6	1.648	2.613	5.5	20.7	12 7	3 56.45	+14 47.6	1.133	2.098	7.4	18.1
12 17	3 47.26	+28 30.0	1.695	2.617	9.4	21.0	12 17	3 48.50	+14 55.7	1.199	2.122	12.3	18.5
12 27	3 40.90	+28 1.6	1.767	2.621	13.0	21.2	12 27	3 43.66	+15 15.0	1.287	2.146	16.6	18.8
75536	1999 <i>XB</i> ₂₃₀		11 25.9 84°02	6°9/29.1	18		9794	1996 <i>FO</i> ₅		11 26.0 298°86	5°0/27.2	18	
10 18	4 46.98	+37 52.3	1.514	2.267	20.3	18.7	10 18	4 39.78	+29 44.3	1.503	2.291	18.9	17.6
10 28	4 41.41	+38 28.1	1.455	2.292	16.9	18.5	10 28	4 36.30	+30 41.4	1.408	2.275	15.6	17.4
11 7	4 31.99	+38 44.5	1.414	2.316	13.0	18.3	11 7	4 29.12	+31 30.4	1.332	2.259	11.6	17.1
11 17	4 19.69	+38 35.6	1.395	2.339	9.3	18.2	11 17	4 18.72	+32 6.0	1.279	2.243	7.5	16.8
11 27	4 6.24	+37 59.2	1.401	2.363	7.0	18.1	11 27	4 6.34	+32 23.6	1.252	2.228	5.0	16.6
12 7	3 53.58	+36 59.1	1.434	2.386	7.9	18.2	12 7	3 53.79	+32 22.1	1.250	2.212	7.4	16.7
12 17	3 43.35	+35 43.7	1.494	2.408	11.0	18.5	12 17	3 42.92	+32 5.1	1.275	2.197	11.8	17.0
12 27	3 36.58	+34 23.9	1.578	2.430	14.4	18.7	12 27	3 35.25	+31 40.1	1.322	2.182	16.1	17.2
283750	2003 <i>CD</i> ₂₅		11 25.9 208°19	1°7/25.5	18		359118	2009 <i>BP</i> ₄₈					

EPHEMERIDES

11 26.0

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
523637	2010 <i>LT</i> ₁₀₈		11 26.0 286°12	35°6/18.0	18		491544	2012 <i>LW</i> ₁₈		11 26.0 203°37	1°1/25.5	18	
10 18	4 40.87	-36 34.3	0.816	1.540	35.6	21.7	10 18	4 34.82	+16 40.7	2.739	3.515	11.6	21.8
10 28	4 40.92	-42 57.2	0.781	1.494	37.4	21.5	10 28	4 30.04	+16 45.1	2.644	3.512	9.1	21.6
11 7	4 35.24	-48 43.4	0.756	1.445	39.9	21.5	11 7	4 23.44	+16 48.7	2.573	3.509	6.2	21.5
11 17	4 23.25	-53 28.3	0.738	1.393	42.8	21.4	11 17	4 15.46	+16 52.0	2.530	3.505	3.1	21.3
11 27	4 5.65	-56 52.6	0.723	1.339	46.1	21.4	11 27	4 6.78	+16 55.8	2.517	3.501	1.2	21.1
12 7	3 44.79	-58 48.7	0.706	1.283	49.6	21.3	12 7	3 58.16	+17 1.1	2.535	3.497	4.0	21.3
12 17	3 24.09	-59 18.8	0.683	1.225	53.4	21.3	12 17	3 50.38	+17 9.3	2.583	3.493	7.1	21.5
12 27	3 6.87	-58 33.7	0.651	1.166	57.5	21.2	12 27	3 44.08	+17 21.5	2.658	3.488	9.9	21.7
457395	2008 <i>TA</i> ₇₃		11 26.0 182°31	1°1/25.3	17		459173	2012 <i>DB</i> ₂₅		11 26.0 39°63	5°3/23.5	18	
10 18	4 32.20	+19 38.6	2.647	3.429	11.8	21.3	10 18	4 32.51	+ 6 59.8	2.176	2.968	13.7	21.0
10 28	4 28.00	+19 3.3	2.557	3.429	9.2	21.1	10 28	4 28.54	+ 6 13.4	2.099	2.970	11.0	20.9
11 7	4 22.02	+18 23.3	2.491	3.429	6.3	20.9	11 7	4 22.54	+ 5 30.5	2.045	2.971	8.2	20.7
11 17	4 14.73	+17 40.2	2.452	3.429	3.1	20.7	11 17	4 15.04	+ 4 55.1	2.016	2.972	5.9	20.6
11 27	4 6.83	+16 56.4	2.444	3.428	1.2	20.6	11 27	4 6.83	+ 4 31.0	2.015	2.974	5.5	20.5
12 7	3 59.10	+16 14.7	2.466	3.428	4.2	20.8	12 7	3 58.81	+ 4 20.9	2.043	2.975	7.4	20.7
12 17	3 52.27	+15 38.1	2.517	3.427	7.3	21.0	12 17	3 51.81	+ 4 26.0	2.097	2.977	10.1	20.8
12 27	3 46.94	+15 9.0	2.596	3.427	10.1	21.2	12 27	3 46.53	+ 4 46.1	2.176	2.979	12.8	21.0
135860	2002 <i>TD</i> ₃		11 26.0 94°18	0°3/26.1	18		70654	1999 <i>TN</i> ₂₅₅		11 26.0 235°75	1°3/25.5	18	
10 18	4 37.80	+22 41.9	1.930	2.715	15.4	20.4	10 18	4 36.54	+19 11.3	1.949	2.740	15.1	20.1
10 28	4 33.05	+22 38.3	1.857	2.729	12.1	20.3	10 28	4 32.22	+18 48.2	1.856	2.732	11.9	19.8
11 7	4 25.77	+22 28.4	1.805	2.742	8.3	20.0	11 7	4 25.36	+18 20.2	1.785	2.724	8.2	19.6
11 17	4 16.62	+22 12.3	1.779	2.755	4.1	19.8	11 17	4 16.52	+17 48.4	1.739	2.716	4.0	19.3
11 27	4 6.63	+21 51.1	1.782	2.769	0.5	19.6	11 27	4 6.66	+17 15.3	1.722	2.707	1.5	19.1
12 7	3 56.97	+21 27.5	1.814	2.781	4.7	19.9	12 7	3 56.91	+16 44.1	1.734	2.698	5.4	19.4
12 17	3 48.71	+21 4.8	1.874	2.794	8.8	20.2	12 17	3 48.40	+16 18.6	1.775	2.689	9.5	19.6
12 27	3 42.66	+20 46.8	1.960	2.807	12.2	20.4	12 27	3 42.01	+16 1.9	1.840	2.680	13.2	19.8
101279	1998 <i>SX</i> ₁₁₆		11 26.0 81°45	1°1/26.5	18		172742	2004 <i>CC</i> ₆₇		11 26.0 32°44	0°6/26.2	18	
10 18	4 42.89	+25 46.2	1.544	2.331	18.5	20.0	10 18	4 37.29	+21 55.1	1.819	2.610	16.0	20.0
10 28	4 37.43	+25 29.2	1.487	2.359	14.6	19.8	10 28	4 33.02	+22 11.2	1.737	2.612	12.7	19.8
11 7	4 28.84	+25 1.2	1.451	2.387	10.1	19.6	11 7	4 26.01	+22 22.9	1.676	2.614	8.7	19.6
11 17	4 18.07	+24 22.3	1.439	2.414	5.1	19.4	11 17	4 16.87	+22 29.1	1.640	2.617	4.3	19.3
11 27	4 6.48	+23 34.6	1.455	2.441	1.1	19.2	11 27	4 6.64	+22 30.1	1.633	2.619	0.7	19.1
12 7	3 55.62	+22 43.2	1.499	2.467	5.4	19.6	12 7	3 56.60	+22 27.3	1.653	2.621	5.0	19.4
12 17	3 46.72	+21 53.9	1.571	2.493	9.9	19.9	12 17	3 47.93	+22 23.4	1.702	2.624	9.3	19.7
12 27	3 40.64	+21 12.3	1.667	2.518	13.8	20.2	12 27	3 41.61	+22 21.8	1.775	2.627	13.1	19.9
191437	2003 <i>SR</i> ₁₇₇		11 26.0 340°47	1°3/25.5	17		74109	1998 <i>QT</i> ₃₇		11 26.0 21°55	8°8/23.6	18	
10 18	4 33.23	+17 51.0	2.132	2.926	13.9	19.8	10 18	4 30.07	+ 7 2.8	1.005	1.854	22.0	17.6
10 28	4 29.34	+17 41.0	2.045	2.923	10.9	19.6	10 28	4 28.29	+ 5 41.0	0.971	1.874	17.7	17.4
11 7	4 23.22	+17 28.4	1.980	2.920	7.5	19.4	11 7	4 23.06	+ 4 28.3	0.954	1.896	13.2	17.3
11 17	4 15.41	+17 14.4	1.941	2.918	3.7	19.1	11 17	4 15.39	+ 3 33.7	0.958	1.920	9.7	17.2
11 27	4 6.76	+17 0.5	1.931	2.916	1.4	18.9	11 27	4 6.83	+ 3 4.8	0.983	1.945	9.1	17.2
12 7	3 58.24	+16 49.1	1.950	2.914	4.9	19.2	12 7	3 59.02	+ 3 5.0	1.031	1.973	11.6	17.5
12 17	3 50.80	+16 42.3	1.997	2.912	8.6	19.4	12 17	3 53.26	+ 3 32.8	1.100	2.002	15.2	17.8
12 27	3 45.22	+16 42.3	2.069	2.910	11.9	19.6	12 27	3 50.40	+ 4 23.8	1.189	2.033	18.7	18.1
197249	2003 <i>WW</i> ₆₈		11 26.0 70°79	0°5/25.8	18		270271	2001 <i>UM</i> ₁₇₅		11 26.0 81°39	0°9/25.8	18	
10 18	4 33.76	+19 55.4	2.354	3.138	13.0	20.5	10 18	4 41.25	+18 55.1	1.576	2.373	17.8	20.4
10 28	4 29.50	+19 52.2	2.269	3.141	10.2	20.3	10 28	4 36.15	+18 56.4	1.514	2.393	14.0	20.2
11 7	4 23.19	+19 45.7	2.207	3.145	7.0	20.1	11 7	4 28.06	+18 54.4	1.474	2.414	9.5	20.0
11 17	4 15.35	+19 36.2	2.171	3.148	3.4	19.9	11 17	4 17.78	+18 49.4	1.457	2.435	4.6	19.7
11 27	4 6.77	+19 24.9	2.165	3.151	0.6	19.7	11 27	4 6.57	+18 42.7	1.469	2.455	1.1	19.5
12 7	3 58.34	+19 13.6	2.189	3.154	4.2	20.0	12 7	3 55.87	+18 36.5	1.509	2.475	5.7	19.9
12 17	3 50.94	+19 4.4	2.241	3.158	7.7	20.2	12 17	3 46.91	+18 33.9	1.576	2.495	10.2	20.2
12 27	3 45.26	+18 59.7	2.320	3.161	10.8	20.4	12 27	3 40.61	+18 37.3	1.667	2.514	14.0	20.5
273591	2007 <i>CT</i> ₅₀		11 26.0 247°29	2°6/25.0	18		9507	Gottfried		11 26.0 113°37	4°6/28.2	18	R
10 18	4 37.96	+15 49.5	1.836	2.630	15.7	21.6	10 18	4 45.13	+34 2.3	1.833	2.585	17.3	18.7
10 28	4 33.56	+15 24.1	1.739	2.616	12.5	21.3	10 28	4 39.20	+34 19.4	1.764	2.605	14.2	18.5
11 7	4 26.42	+14 55.9	1.662	2.602	8.7	21.1	11 7	4 30.15	+34 21.9	1.714	2.625	10.5	18.3
11 17	4 17.10	+14 27.1	1.611	2.586	4.6	20.8	11 17	4 18.79	+34 6.1	1.689	2.644	6.9	18.2
11 27	4 6.56	+14 0.6	1.589	2.570	2.8	20.6	11 27	4 6.46	+33 31.4	1.691	2.663	4.6	18.1
12 7	3 56.05	+13 39.7	1.595	2.554	6.3	20.8	12 7	3 54.69	+32 40.7	1.722	2.681	6.1	18.2
12 17	3 46.78	+13 27.6	1.628	2.537	10.6	21.1	12 17	3 44.77	+31 40.4	1.782	2.698	9.4	18.4
12 27	3 39.77	+13 26.8	1.686	2.520	14.5	21.3	12 27	3 37.66	+30 38.0	1.867	2.714	12.7	18.7
274499	2008 <i>SJ</i> ₁₃₂		11 26.0 123°57	0°5/26.3	18		493099	2014 <i>SR</i> ₃₃₃		11 26.0 6°76	3°6/27.6	17	
10 18	4 33.81	+23 32.7	2.659	3.431	12.0	21.5	10 18	4 35.81	+31 8.4	2.171	2.936	14.5	21.3
10 28	4 29.27	+23 25.4	2.575	3.440	9.4	21.4	10 28	4 31.65	+31 36.3	2.084	2.936	11.9	21.2
11 7	4 22.89	+23 12.5	2.514	3.448	6.5	21.2	11 7	4 24.97	+31 54.4	2.018	2.936	8.7	21.0
11 17	4 15.16	+22 54.3	2.481	3.456	3.2	21.0	11 17	4 16.35	+32 0.4	1.976	2.937	5.6	20.8
11 27	4 6.80	+22 31.8	2.478	3.464	0.5	20.8	11 27	4 6.72	+31 53.1	1.963	2.938	3.6	20.6
12 7	3 58.64	+22 7.0	2.505	3.472	3.7	21.0	12 7	3 57.25	+31 33.7	1.979	2.939	5.2	20.8
12 17	3 51.42	+21 42.3	2.562	3.479	6.8	21.3	12 17	3 49.01	+31 5.6	2.022	2.941	8.3	20.9
12 27	3 45.79	+21 20.6	2.646	3.486	9.6	21.5	12 27	3 42.90	+30 33.6	2.092	2.942	11.4	21.1
332319	2006 <i>WO</i> ₆₄		11 26.0 65°63	3°9/27.1	18		292604	2006 <i>TN</i> ₁					

EPHEMERIDES

11 26.0

11 26.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
460076	2014 <i>OO</i> ₂₉₆		11 26.0	37°91	1°1/25.6	16	237885	2002 <i>LE</i> ₂₄		11 26.0	56°18	8°9/24.3	18
10 18	4 33.75	+18 50.4	1.883	2.683	15.2	21.4	10 18	4 40.28	- 0 42.3	1.546	2.333	18.5	19.1
10 28	4 29.88	+18 36.8	1.814	2.696	11.9	21.2	10 28	4 34.89	- 1 25.8	1.509	2.367	15.2	19.0
11 7	4 23.62	+18 19.5	1.768	2.709	8.1	21.0	11 7	4 26.86	- 1 55.0	1.492	2.401	12.0	18.9
11 17	4 15.61	+17 59.9	1.746	2.723	3.9	20.7	11 17	4 17.07	- 2 4.5	1.499	2.435	9.5	18.8
11 27	4 6.83	+17 40.1	1.752	2.738	1.3	20.6	11 27	4 6.71	- 1 50.7	1.531	2.469	9.0	18.9
12 7	3 58.36	+17 22.7	1.787	2.753	5.1	20.9	12 7	3 57.04	- 1 13.6	1.589	2.503	10.5	19.1
12 17	3 51.20	+17 10.4	1.850	2.768	9.0	21.2	12 17	3 49.08	- 0 16.0	1.672	2.537	13.1	19.3
12 27	3 46.11	+17 5.5	1.937	2.783	12.4	21.4	12 27	3 43.55	+ 0 57.9	1.777	2.571	15.6	19.6
287647	2003 <i>KR</i> ₇		11 26.0	82°84	2°1/25.1	18	403494	2009 <i>UR</i> ₈₉		11 26.0	49°41	3°8/27.6	17
10 18	4 37.58	+18 36.7	1.705	2.504	16.6	19.7	10 18	4 37.43	+31 7.1	2.145	2.907	14.8	20.9
10 28	4 32.99	+17 50.8	1.640	2.521	13.0	19.5	10 28	4 32.93	+31 44.6	2.063	2.913	12.0	20.7
11 7	4 25.76	+16 59.6	1.597	2.539	8.8	19.3	11 7	4 25.85	+32 12.8	2.002	2.920	8.9	20.5
11 17	4 16.63	+16 5.8	1.579	2.556	4.4	19.1	11 17	4 16.78	+32 28.8	1.967	2.926	5.7	20.4
11 27	4 6.72	+15 13.6	1.590	2.573	2.3	19.0	11 27	4 6.71	+32 31.0	1.959	2.933	3.8	20.3
12 7	3 57.29	+14 27.6	1.628	2.590	6.0	19.3	12 7	3 56.82	+32 20.3	1.980	2.939	5.4	20.4
12 17	3 49.40	+13 52.0	1.694	2.607	10.1	19.6	12 17	3 48.22	+31 59.8	2.030	2.946	8.4	20.6
12 27	3 43.85	+13 29.4	1.785	2.623	13.6	19.8	12 27	3 41.80	+31 34.4	2.105	2.953	11.5	20.8
424265	2007 <i>SW</i> ₁₅		11 26.0	29°35	0°9/26.2	18	130462	2000 <i>QU</i> ₇₃		11 26.0	94°24	2°4/26.9	18
10 18	4 38.25	+22 7.2	1.068	1.898	22.3	20.7	10 18	4 43.65	+27 23.7	1.436	2.225	19.6	19.1
10 28	4 35.41	+22 27.2	1.009	1.905	17.8	20.4	10 28	4 38.60	+27 30.4	1.372	2.243	15.7	18.9
11 7	4 28.48	+22 40.5	0.966	1.914	12.3	20.2	11 7	4 30.04	+27 25.2	1.328	2.261	11.0	18.7
11 17	4 18.29	+22 45.6	0.945	1.923	6.1	19.9	11 17	4 18.84	+27 6.1	1.307	2.279	6.0	18.4
11 27	4 6.53	+22 42.4	0.946	1.933	1.0	19.6	11 27	4 6.52	+26 33.5	1.312	2.297	2.4	18.3
12 7	3 55.29	+22 33.8	0.973	1.944	6.9	20.0	12 7	3 54.80	+25 51.4	1.346	2.313	6.0	18.5
12 17	3 46.41	+22 24.6	1.022	1.955	12.7	20.4	12 17	3 45.19	+25 6.2	1.405	2.330	10.7	18.8
12 27	3 41.15	+22 20.2	1.093	1.967	17.6	20.7	12 27	3 38.71	+24 24.9	1.489	2.346	14.8	19.1
32332	2000 <i>QV</i> ₆₉		11 26.0	106°81	1°6/26.9	18	385911	2006 <i>SF</i> ₄₀₈		11 26.0	16°54	4°7/27.2	16
10 18	4 33.31	+27 28.1	2.698	3.463	12.0	19.6	10 18	4 37.14	+27 56.7	1.099	1.921	22.4	21.6
10 28	4 28.99	+27 29.1	2.610	3.467	9.6	19.4	10 28	4 34.82	+28 52.4	1.037	1.925	18.1	21.3
11 7	4 22.77	+27 22.9	2.545	3.472	6.8	19.2	11 7	4 28.28	+29 37.4	0.992	1.931	13.2	21.1
11 17	4 15.16	+27 8.7	2.506	3.476	3.7	19.1	11 17	4 18.30	+30 6.4	0.967	1.938	7.9	20.8
11 27	4 6.88	+26 47.1	2.497	3.480	1.6	18.9	11 27	4 6.56	+30 15.6	0.965	1.946	4.7	20.7
12 7	3 58.77	+26 19.9	2.518	3.484	3.7	19.1	12 7	3 55.23	+30 6.4	0.988	1.955	7.7	20.9
12 17	3 51.61	+25 49.8	2.569	3.488	6.7	19.3	12 17	3 46.28	+29 44.7	1.033	1.965	12.7	21.2
12 27	3 46.04	+25 20.2	2.647	3.492	9.5	19.5	12 27	3 41.09	+29 19.1	1.099	1.977	17.3	21.5
516100	2015 <i>UQ</i>		11 26.0	129°16	2°2/25.0	18	237895	2002 <i>NP</i> ₄₅		11 26.0	104°36	2°9/24.8	18
10 18	4 35.37	+16 30.6	2.093	2.884	14.2	21.6	10 18	4 38.32	+13 49.2	2.068	2.854	14.5	21.4
10 28	4 30.92	+16 0.8	2.014	2.890	11.1	21.4	10 28	4 33.04	+13 20.6	2.004	2.876	11.4	21.2
11 7	4 24.24	+15 28.4	1.957	2.896	7.6	21.2	11 7	4 25.54	+12 51.9	1.962	2.897	7.9	21.0
11 17	4 15.91	+14 55.3	1.927	2.902	4.0	21.0	11 17	4 16.48	+12 25.2	1.946	2.918	4.4	20.9
11 27	4 6.81	+14 24.3	1.925	2.907	2.3	20.9	11 27	4 6.78	+12 3.3	1.960	2.939	3.1	20.8
12 7	3 57.95	+13 58.5	1.953	2.913	5.4	21.1	12 7	3 57.46	+11 48.7	2.004	2.958	5.7	21.0
12 17	3 50.26	+13 40.5	2.009	2.918	9.0	21.3	12 17	3 49.41	+11 43.3	2.076	2.978	9.1	21.3
12 27	3 44.49	+13 32.4	2.091	2.923	12.2	21.6	12 27	3 43.35	+11 48.1	2.173	2.996	12.1	21.5
367646	2009 <i>WH</i> ₇₀		11 26.0	277°26	0°2/26.1	17	76191	2000 <i>EQ</i> ₄₂		11 26.0	8°47	3°3/27.5	18
10 18	4 33.62	+25 2.7	2.324	3.102	13.3	20.6	10 18	4 36.18	+30 32.8	2.327	3.087	13.8	19.4
10 28	4 29.53	+24 20.1	2.225	3.093	10.6	20.4	10 28	4 31.77	+31 2.2	2.237	3.087	11.2	19.2
11 7	4 23.31	+23 27.8	2.149	3.084	7.3	20.1	11 7	4 24.98	+31 23.0	2.169	3.088	8.2	19.0
11 17	4 15.47	+22 26.5	2.099	3.075	3.6	19.9	11 17	4 16.36	+31 32.9	2.127	3.088	5.2	18.8
11 27	4 6.85	+21 19.0	2.079	3.066	0.4	19.6	11 27	4 6.79	+31 30.7	2.113	3.088	3.3	18.7
12 7	3 58.41	+20 9.5	2.089	3.056	4.3	19.9	12 7	3 57.34	+31 17.3	2.128	3.089	4.9	18.8
12 17	3 51.02	+19 2.8	2.129	3.047	8.0	20.1	12 17	3 49.02	+30 55.7	2.172	3.089	7.9	19.0
12 27	3 45.45	+18 3.4	2.196	3.038	11.3	20.3	12 27	3 42.69	+30 30.1	2.243	3.090	10.9	19.2
207516	2006 <i>JE</i> ₃₄		11 26.0	110°23	0°8/25.7	18	487929	2015 <i>TB</i> ₂₀₈		11 26.0	62°39	2°7/27.4	18
10 18	4 38.15	+20 18.4	1.994	2.779	15.0	21.2	10 18	4 37.74	+30 7.0	1.817	2.593	16.6	21.0
10 28	4 33.16	+20 0.0	1.922	2.795	11.8	21.0	10 28	4 33.27	+29 58.5	1.749	2.611	13.3	20.8
11 7	4 25.77	+19 36.7	1.872	2.810	8.0	20.8	11 7	4 26.04	+29 37.0	1.701	2.628	9.5	20.6
11 17	4 16.63	+19 9.3	1.848	2.825	3.9	20.5	11 17	4 16.81	+29 1.7	1.678	2.646	5.4	20.4
11 27	4 6.74	+18 40.0	1.853	2.839	0.9	20.4	11 27	4 6.75	+28 13.6	1.682	2.664	2.7	20.2
12 7	3 57.19	+18 11.7	1.888	2.853	4.9	20.7	12 7	3 57.18	+27 17.0	1.715	2.682	5.1	20.4
12 17	3 48.98	+17 47.8	1.951	2.867	8.8	20.9	12 17	3 49.21	+26 17.4	1.776	2.700	8.9	20.7
12 27	3 42.89	+17 31.0	2.040	2.880	12.1	21.2	12 27	3 43.67	+25 21.2	1.863	2.718	12.4	21.0
487546	2014 <i>UC</i> ₂₁₃		11 26.0	60°28	3°3/24.7	18	262611	2006 <i>VX</i> ₁₄₇		11 26.0	30°90	3°3/24.9	18
10 18	4 34.54	+11 28.8	2.121	2.913	14.0	20.5	10 18	4 35.23	+12 50.3	1.693	2.499	16.4	20.4
10 28	4 30.09	+11 11.5	2.056	2.931	11.0	20.3	10 28	4 31.33	+12 37.2	1.622	2.505	13.0	20.2
11 7	4 23.56	+10 56.3	2.013	2.948	7.7	20.1	11 7	4 24.80	+12 25.6	1.572	2.512	9.0	20.0
11 17	4 15.53	+10 45.3	1.996	2.966	4.5	20.0	11 17	4 16.28	+12 17.9	1.546	2.520	5.1	19.8
11 27	4 6.86	+10 40.7	2.008	2.983	3.5	19.9	11 27	4 6.81	+12 16.6	1.548	2.527	3.5	19.7
12 7	3 58.48	+10 44.3	2.049	3.001	5.8	20.1	12 7	3 57.63	+12 23.8	1.577	2.536	6.5	19.9
12 17	3 51.26	+10 57.0	2.117	3.019	9.0	20.3	12 17	3 49.84	+12 40.5	1.633	2.545	10.5	20.2
12 27	3 45.85	+11 19.0	2.211	3.037	11.8	20.6	12 27	3 44.32	+13 7.4	1.713	2.554	14.0	20.4
281809	2009 <i>WW</i> ₁₁₉		11 26.0	238°44	0°1/26.1	18	402176	2004 <i>TY</i>					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
127427	2002 OE ₂₃		11 26.0 141°42'	4.4/29.2	18		416414	2003 UA ₁₈₁		11 26.0 72°27'	2.9/27.1	18	
10 18	4 38.11	+38 32.5	2.851	3.567	12.5	20.4	10 18	4 40.63	+27 58.2	2.256	3.016	14.2	20.5
10 28	4 32.79	+38 40.1	2.763	3.576	10.4	20.2	10 28	4 35.07	+28 43.8	2.188	3.039	11.4	20.3
11 7	4 25.37	+38 35.1	2.697	3.585	8.1	20.1	11 7	4 27.10	+29 22.4	2.141	3.063	8.2	20.2
11 17	4 16.43	+38 15.1	2.657	3.593	5.9	20.0	11 17	4 17.35	+29 51.2	2.122	3.087	4.9	20.0
11 27	4 6.80	+37 39.8	2.645	3.602	4.5	19.9	11 27	4 6.77	+30 8.8	2.132	3.110	2.9	19.9
12 7	3 57.45	+36 50.8	2.663	3.609	5.1	19.9	12 7	3 56.48	+30 15.7	2.172	3.133	4.7	20.1
12 17	3 49.25	+35 52.0	2.711	3.617	7.1	20.1	12 17	3 47.48	+30 14.2	2.241	3.156	7.8	20.3
12 27	3 42.89	+34 48.4	2.787	3.624	9.3	20.2	12 27	3 40.58	+30 8.3	2.337	3.179	10.7	20.5
21367	Edwardpleva		11 26.0 242°01'	4.1/23.6	18		161032	2002 GP ₆₅		11 26.0 156°58'	0.3/25.9	18	
10 18	4 32.36	+11 32.5	2.308	3.100	13.0	18.2	10 18	4 34.92	+20 38.2	2.343	3.124	13.1	20.7
10 28	4 28.39	+10 32.8	2.221	3.095	10.3	18.0	10 28	4 30.48	+20 32.8	2.256	3.126	10.3	20.5
11 7	4 22.46	+9 32.2	2.157	3.091	7.4	17.9	11 7	4 23.94	+20 23.4	2.191	3.128	7.1	20.3
11 17	4 15.06	+8 34.4	2.121	3.086	4.8	17.7	11 17	4 15.83	+20 10.3	2.154	3.130	3.4	20.1
11 27	4 6.95	+7 43.4	2.113	3.081	4.3	17.6	11 27	4 6.94	+19 54.7	2.145	3.132	0.5	19.8
12 7	3 59.00	+7 3.2	2.134	3.076	6.5	17.8	12 7	3 58.21	+19 38.5	2.167	3.133	4.2	20.1
12 17	3 52.00	+6 36.3	2.183	3.071	9.4	18.0	12 17	3 50.51	+19 24.3	2.218	3.135	7.8	20.4
12 27	3 46.65	+6 24.1	2.257	3.066	12.2	18.1	12 27	3 44.59	+19 14.5	2.296	3.136	10.9	20.6
244051	2001 TJ ₂₆		11 26.0 84°53'	0.6/26.3	18		267052	1998 SD ₉₅		11 26.1 38°26'	0.7/25.9	18	
10 18	4 39.18	+24 30.3	1.585	2.380	17.8	20.4	10 18	4 39.00	+19 20.3	1.089	1.919	22.0	19.9
10 28	4 34.71	+24 11.9	1.517	2.393	14.1	20.2	10 28	4 35.51	+19 29.6	1.043	1.940	17.3	19.6
11 7	4 27.20	+23 43.6	1.468	2.406	9.7	20.0	11 7	4 28.19	+19 34.7	1.014	1.962	11.7	19.4
11 17	4 17.45	+23 5.7	1.443	2.420	4.8	19.7	11 17	4 18.04	+19 35.9	1.007	1.986	5.6	19.2
11 27	4 6.71	+22 20.4	1.446	2.433	0.7	19.5	11 27	4 6.74	+19 34.3	1.024	2.010	1.0	18.9
12 7	3 56.44	+21 32.3	1.477	2.446	5.4	19.8	12 7	3 56.21	+19 32.8	1.066	2.035	6.8	19.4
12 17	3 47.92	+20 46.8	1.535	2.459	10.1	20.1	12 17	3 48.03	+19 34.8	1.131	2.061	12.1	19.8
12 27	3 42.06	+20 9.3	1.618	2.471	14.0	20.4	12 27	3 43.20	+19 43.6	1.219	2.087	16.6	20.1
322514	2011 WK ₁₁₄		11 26.0 335°07'	4.4/24.9	18		260381	2004 VF ₃₇		11 26.1 107°87'	0.6/25.8	18	
10 18	4 36.24	+9 9.3	1.722	2.523	16.3	19.8	10 18	4 34.58	+20 59.3	2.377	3.158	13.0	20.9
10 28	4 32.24	+9 5.5	1.638	2.517	13.1	19.5	10 28	4 30.07	+20 36.3	2.299	3.169	10.2	20.8
11 7	4 25.55	+9 7.1	1.576	2.511	9.4	19.3	11 7	4 23.55	+20 8.3	2.243	3.180	6.9	20.6
11 17	4 16.73	+9 16.8	1.537	2.506	5.8	19.1	11 17	4 15.60	+19 36.2	2.214	3.191	3.3	20.4
11 27	4 6.78	+9 36.8	1.526	2.501	4.5	19.0	11 27	4 7.00	+19 2.1	2.216	3.202	0.7	20.2
12 7	3 56.95	+10 8.4	1.543	2.497	7.3	19.2	12 7	3 58.65	+18 28.7	2.247	3.212	4.2	20.5
12 17	3 48.41	+10 51.5	1.587	2.492	11.1	19.4	12 17	3 51.37	+17 59.0	2.307	3.222	7.6	20.7
12 27	3 42.14	+11 45.1	1.654	2.489	14.7	19.6	12 27	3 45.81	+17 35.6	2.395	3.232	10.6	20.9
43267	2000 DL ₈₄		11 26.0 85°56'	2.1/25.1	18		195619	2002 LN ₃₇		11 26.1 118°79'	7.7/22.4	18	
10 18	4 34.39	+14 51.4	2.366	3.152	12.9	19.1	10 18	4 34.63	-7 30.3	2.855	3.592	12.0	20.8
10 28	4 29.82	+14 36.0	2.294	3.167	10.1	19.0	10 28	4 29.55	-8 14.4	2.798	3.609	10.3	20.7
11 7	4 23.32	+14 20.1	2.246	3.183	6.9	18.8	11 7	4 22.91	-8 47.4	2.763	3.626	8.8	20.6
11 17	4 15.43	+14 5.2	2.224	3.198	3.7	18.6	11 17	4 15.21	-9 5.2	2.754	3.643	7.8	20.6
11 27	4 6.94	+13 53.2	2.232	3.213	2.2	18.5	11 27	4 7.06	-9 5.2	2.773	3.659	7.8	20.6
12 7	3 58.69	+13 46.1	2.270	3.228	4.8	18.7	12 7	3 59.16	-8 46.3	2.819	3.675	8.7	20.7
12 17	3 51.48	+13 45.3	2.337	3.243	8.0	19.0	12 17	3 52.13	-8 9.4	2.890	3.690	10.1	20.8
12 27	3 45.95	+13 52.0	2.430	3.258	10.8	19.2	12 27	3 46.48	-7 16.6	2.986	3.705	11.6	20.9
458733	2011 NN ₂		11 26.0 135°47'	8.1/29.9	17		243661	1999 VX ₁₃		11 26.1 340°88'	1.0/25.4	18	
10 18	4 47.32	+40 41.8	1.330	2.086	22.4	20.9	10 18	4 34.52	+27 49.8	1.414	2.220	19.0	19.2
10 28	4 42.71	+41 1.4	1.257	2.093	19.0	20.7	10 28	4 31.62	+25 59.1	1.325	2.210	15.2	18.9
11 7	4 33.53	+40 56.2	1.200	2.099	15.1	20.4	11 7	4 25.43	+23 43.3	1.257	2.200	10.5	18.6
11 17	4 20.77	+40 18.3	1.163	2.105	11.0	20.2	11 17	4 16.74	+21 6.0	1.213	2.192	5.0	18.2
11 27	4 6.36	+39 4.4	1.150	2.110	8.3	20.1	11 27	4 6.90	+18 16.8	1.198	2.184	1.4	18.0
12 7	3 52.71	+37 19.4	1.162	2.115	9.1	20.2	12 7	3 57.47	+15 29.4	1.212	2.177	6.9	18.3
12 17	3 41.84	+35 15.8	1.200	2.120	12.6	20.4	12 17	3 49.86	+12 58.0	1.253	2.172	12.2	18.6
12 27	3 35.03	+33 9.2	1.262	2.124	16.6	20.6	12 27	3 45.06	+10 52.9	1.317	2.167	16.9	18.9
77573	2001 KN ₁₀		11 26.0 211°34'	1.9/25.4	18		168859	2000 VG ₁₈		11 26.1 41°19'	2.7/25.6	18	
10 18	4 39.86	+16 32.2	1.791	2.583	16.2	19.6	10 18	4 40.38	+14 44.8	1.027	1.861	22.8	19.2
10 28	4 35.08	+16 23.4	1.702	2.578	12.8	19.4	10 28	4 36.71	+14 52.7	0.982	1.881	17.9	19.0
11 7	4 27.49	+16 12.8	1.634	2.573	8.9	19.1	11 7	4 29.08	+15 2.4	0.954	1.902	12.3	18.7
11 17	4 17.68	+16 1.5	1.591	2.567	4.5	18.9	11 17	4 18.51	+15 15.1	0.946	1.924	6.2	18.5
11 27	4 6.70	+15 51.5	1.577	2.561	2.1	18.7	11 27	4 6.72	+15 32.3	0.963	1.947	2.9	18.4
12 7	3 55.83	+15 45.1	1.592	2.554	5.9	18.9	12 7	3 55.73	+15 55.1	1.003	1.970	7.7	18.7
12 17	3 46.32	+15 44.8	1.634	2.547	10.3	19.2	12 17	3 47.16	+16 24.8	1.068	1.995	13.0	19.1
12 27	3 39.17	+15 52.8	1.701	2.540	14.2	19.4	12 27	3 42.08	+17 1.9	1.153	2.019	17.6	19.5
481617	2007 UT ₂₈		11 26.0 37°20'	3.3/26.7	18		97148	1999 VY ₁₅₁		11 26.1 149°28'	0.2/25.9	18	
10 18	4 42.05	+25 26.4	1.653	2.437	17.6	20.8	10 18	4 39.10	+20 27.8	2.082	2.862	14.6	20.0
10 28	4 37.32	+26 34.7	1.575	2.443	14.2	20.6	10 28	4 34.02	+20 33.2	1.999	2.868	11.5	19.8
11 7	4 29.32	+27 38.7	1.519	2.449	10.1	20.4	11 7	4 26.51	+20 34.9	1.938	2.875	7.9	19.6
11 17	4 18.67	+28 33.9	1.487	2.456	5.9	20.2	11 17	4 17.14	+20 32.7	1.904	2.880	3.8	19.4
11 27	4 6.60	+29 16.6	1.482	2.463	3.3	20.0	11 27	4 6.87	+20 27.2	1.899	2.886	0.5	19.1
12 7	3 54.65	+29 45.7	1.506	2.470	6.0	20.2	12 7	3 56.80	+20 20.3	1.924	2.891	4.6	19.4
12 17	3 44.35	+30 3.0	1.558	2.478	10.2	20.5	12 17	3 47.97	+20 14.2	1.978	2.895	8.6	19.7
12 27	3 36.86	+30 13.2	1.633	2.486	14.0	20.7	12 27	3 41.22	+20 11.8	2.058	2.899	12.0	19.9
313860	2004 FJ ₆₈		11 26.0 243°10'	1.4/26.5	18		77945	2002 GL ₉₆		11 26.1 124°41'	2.2/26.9	18	
10 18	4 38.27	+24 7.2											

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
257069	2008 <i>FP</i> ₁₁₃		11 26.1 165°38	1°2/25.6	18		477839	2011 <i>FL</i> ₄₀		11 26.1 232°76	1°0/25.7	18	
10 18	4 35.14	+18 28.0	2.122	2.911	14.1	21.3	10 18	4 38.98	+19 30.4	1.826	2.616	16.0	21.8
10 28	4 30.87	+18 15.8	2.037	2.912	11.1	21.1	10 28	4 34.48	+19 18.5	1.731	2.607	12.7	21.5
11 7	4 24.34	+18 0.4	1.973	2.912	7.6	20.8	11 7	4 27.18	+19 2.0	1.658	2.597	8.8	21.3
11 17	4 16.09	+17 42.9	1.936	2.913	3.7	20.6	11 17	4 17.65	+18 41.4	1.610	2.587	4.3	21.0
11 27	4 6.99	+17 24.9	1.928	2.913	1.3	20.4	11 27	4 6.91	+18 18.7	1.591	2.577	1.2	20.7
12 7	3 58.05	+17 8.9	1.949	2.914	4.8	20.7	12 7	3 56.25	+17 56.5	1.600	2.565	5.5	21.0
12 17	3 50.25	+16 57.3	1.999	2.914	8.6	20.9	12 17	3 46.90	+17 38.6	1.637	2.554	10.0	21.3
12 27	3 44.35	+16 52.4	2.074	2.914	11.9	21.1	12 27	3 39.89	+17 28.1	1.699	2.542	14.0	21.5
74950	1999 <i>TO</i> ₁₈₈		11 26.1 253°85	4°2/27.9	18		139482	2001 <i>PP</i> ₇		11 26.1 26°82	7°1/23.6	18	
10 18	4 40.44	+32 34.7	1.636	2.409	18.2	19.1	10 18	4 32.80	+ 7 8.9	1.421	2.241	18.3	18.5
10 28	4 36.36	+32 39.2	1.541	2.399	15.0	18.9	10 28	4 29.74	+ 6 6.0	1.366	2.253	14.7	18.3
11 7	4 28.84	+32 28.1	1.466	2.388	11.1	18.6	11 7	4 23.86	+ 5 8.6	1.332	2.265	11.0	18.1
11 17	4 18.53	+31 57.8	1.414	2.377	7.0	18.3	11 17	4 15.93	+ 4 23.2	1.320	2.279	7.9	17.9
11 27	4 6.73	+31 7.2	1.388	2.366	4.2	18.2	11 27	4 7.12	+ 3 55.7	1.333	2.294	7.3	18.0
12 7	3 55.08	+29 59.8	1.390	2.354	6.3	18.3	12 7	3 58.75	+ 3 49.5	1.371	2.310	9.7	18.1
12 17	3 45.19	+28 42.7	1.419	2.343	10.6	18.5	12 17	3 51.96	+ 4 5.2	1.434	2.326	13.0	18.4
12 27	3 38.25	+27 25.4	1.472	2.331	14.8	18.7	12 27	3 47.60	+ 4 40.9	1.518	2.343	16.3	18.6
259844	2004 <i>CT</i> ₅₂		11 26.1 335°42	11°8/ 2.6	17		291275	2006 <i>BF</i> ₉₇		11 26.1 181°10	1°9/25.3	18	
10 18	4 45.44	+51 47.2	1.893	2.568	19.1	20.2	10 18	4 37.88	+16 57.4	2.073	2.859	14.5	21.9
10 28	4 41.20	+52 57.6	1.810	2.565	17.2	20.0	10 28	4 33.06	+16 35.9	1.987	2.860	11.4	21.7
11 7	4 32.66	+53 46.1	1.743	2.562	15.2	19.9	11 7	4 25.87	+16 11.7	1.923	2.861	7.8	21.5
11 17	4 20.54	+54 3.8	1.695	2.559	13.3	19.8	11 17	4 16.89	+15 46.2	1.885	2.861	4.0	21.2
11 27	4 6.53	+53 44.2	1.669	2.556	12.0	19.7	11 27	4 7.02	+15 21.8	1.877	2.860	2.0	21.1
12 7	3 52.87	+52 46.6	1.667	2.554	11.9	19.7	12 7	3 57.33	+15 1.3	1.898	2.859	5.3	21.3
12 17	3 41.61	+51 16.9	1.688	2.551	13.1	19.7	12 17	3 48.83	+14 47.4	1.948	2.858	9.1	21.5
12 27	3 34.19	+49 26.3	1.733	2.549	15.0	19.9	12 27	3 42.32	+14 42.1	2.023	2.856	12.5	21.8
58984	1998 <i>RU</i> ₆₉		11 26.1 325°37	3°2/24.9	18		291154	2005 <i>YU</i> ₂₈₅		11 26.1 229°88	0°5/26.3	18	
10 18	4 34.77	+16 12.7	1.363	2.184	18.8	18.5	10 18	4 39.29	+22 48.7	1.953	2.734	15.4	21.2
10 28	4 31.92	+15 39.0	1.282	2.175	15.0	18.3	10 28	4 34.63	+22 52.1	1.856	2.726	12.3	21.0
11 7	4 25.81	+15 1.4	1.221	2.167	10.4	18.0	11 7	4 27.24	+22 49.6	1.781	2.716	8.5	20.7
11 17	4 17.06	+14 22.9	1.182	2.159	5.6	17.7	11 17	4 17.68	+22 40.6	1.731	2.706	4.3	20.4
11 27	4 6.91	+13 48.2	1.169	2.151	3.4	17.5	11 27	4 6.94	+22 25.5	1.710	2.696	0.6	20.1
12 7	3 56.92	+13 22.1	1.181	2.144	7.5	17.8	12 7	3 56.25	+22 6.3	1.718	2.685	5.0	20.4
12 17	3 48.57	+13 8.7	1.218	2.137	12.5	18.0	12 17	3 46.83	+21 46.4	1.754	2.674	9.3	20.7
12 27	3 43.03	+13 10.6	1.277	2.131	17.0	18.3	12 27	3 39.66	+21 29.8	1.816	2.662	13.1	20.9
220978	2005 <i>NL</i> ₉		11 26.1 44°19	0°6/25.9	18		216250	2006 <i>VY</i> ₁₀₅		11 26.1 122°22	0°3/26.2	18	
10 18	4 37.49	+21 19.7	1.321	2.137	19.6	20.4	10 18	4 37.31	+21 57.1	2.107	2.888	14.4	20.9
10 28	4 33.96	+21 1.7	1.257	2.147	15.5	20.2	10 28	4 32.64	+22 1.0	2.025	2.895	11.4	20.7
11 7	4 27.04	+20 36.0	1.212	2.157	10.6	20.0	11 7	4 25.59	+22 0.0	1.965	2.901	7.8	20.5
11 17	4 17.54	+20 3.8	1.189	2.168	5.1	19.7	11 17	4 16.75	+21 54.0	1.932	2.908	3.8	20.3
11 27	4 6.88	+19 27.9	1.193	2.179	0.9	19.4	11 27	4 7.05	+21 43.6	1.927	2.914	0.4	20.0
12 7	3 56.69	+18 53.1	1.222	2.191	6.3	19.8	12 7	3 57.55	+21 30.7	1.952	2.920	4.5	20.4
12 17	3 48.44	+18 24.3	1.277	2.203	11.4	20.1	12 17	3 49.26	+21 18.0	2.006	2.925	8.3	20.6
12 27	3 43.14	+18 6.0	1.354	2.215	15.8	20.4	12 27	3 43.00	+21 8.6	2.086	2.931	11.7	20.8
414514	2009 <i>SU</i> ₃₇		11 26.1 159°96	3°7/23.7	18		127088	2002 <i>GC</i> ₇₆		11 26.1 133°03	0°7/26.4	18	
10 18	4 33.04	+11 32.4	2.565	3.349	12.0	21.8	10 18	4 37.69	+23 56.8	1.763	2.553	16.4	20.2
10 28	4 28.66	+10 32.3	2.483	3.353	9.5	21.6	10 28	4 33.51	+23 51.2	1.680	2.554	13.1	20.0
11 7	4 22.53	+ 9 31.7	2.426	3.357	6.8	21.5	11 7	4 26.49	+23 37.6	1.618	2.555	9.1	19.8
11 17	4 15.12	+ 8 33.7	2.396	3.360	4.4	21.3	11 17	4 17.29	+23 15.8	1.581	2.557	4.6	19.5
11 27	4 7.13	+ 7 42.3	2.396	3.364	3.9	21.3	11 27	4 7.00	+22 46.8	1.571	2.558	0.8	19.3
12 7	3 59.34	+ 7 0.6	2.426	3.367	5.9	21.4	12 7	3 56.95	+22 13.9	1.590	2.559	5.1	19.6
12 17	3 52.44	+ 6 31.1	2.485	3.369	8.6	21.6	12 17	3 48.36	+21 41.3	1.637	2.560	9.6	19.8
12 27	3 47.04	+ 6 15.0	2.570	3.371	11.1	21.8	12 27	3 42.19	+21 13.7	1.708	2.561	13.4	20.1
470961	2009 <i>QG</i> ₁₅		11 26.1 47°82	6°5/24.1	16		42250	2001 <i>KS</i> ₁₂		11 26.1 67°00	1°7/25.1	18	
10 18	4 38.00	+10 39.9	1.155	1.983	21.1	20.6	10 18	4 33.43	+18 47.9	2.264	3.052	13.3	18.0
10 28	4 34.15	+ 9 31.2	1.114	2.008	16.7	20.4	10 28	4 29.20	+18 0.0	2.194	3.069	10.4	17.8
11 7	4 26.93	+ 8 25.9	1.092	2.033	11.9	20.3	11 7	4 22.98	+17 7.6	2.147	3.086	7.1	17.6
11 17	4 17.35	+ 7 31.0	1.091	2.059	7.7	20.1	11 17	4 15.38	+16 12.9	2.126	3.102	3.5	17.4
11 27	4 6.92	+ 6 53.1	1.115	2.086	6.7	20.1	11 27	4 7.21	+15 19.4	2.136	3.119	1.9	17.3
12 7	3 57.28	+ 6 36.5	1.164	2.113	9.7	20.4	12 7	3 59.35	+14 30.7	2.175	3.136	4.8	17.6
12 17	3 49.75	+ 6 42.0	1.236	2.140	13.7	20.7	12 17	3 52.60	+13 50.2	2.243	3.152	8.1	17.8
12 27	3 45.18	+ 7 8.0	1.329	2.167	17.4	21.0	12 27	3 47.58	+13 20.2	2.337	3.169	11.1	18.0
12169	Munsterman		11 26.1 299°97	3°5/27.3	18		2679	Kittisvaara		11 26.1 302°00	3°7/24.2	18	
10 18	4 40.00	+29 3.4	1.398	2.193	19.8	18.4	10 18	4 33.74	+15 34.7	1.725	2.532	16.1	16.1
10 28	4 36.37	+29 20.1	1.317	2.190	16.1	18.2	10 28	4 30.36	+14 31.4	1.636	2.521	12.8	15.8
11 7	4 29.03	+29 24.1	1.255	2.188	11.6	17.9	11 7	4 24.33	+13 22.7	1.569	2.511	8.9	15.6
11 17	4 18.68	+29 11.9	1.215	2.185	6.8	17.6	11 17	4 16.25	+12 12.8	1.527	2.501	5.1	15.3
11 27	4 6.75	+28 42.5	1.201	2.183	3.5	17.4	11 27	4 7.11	+11 7.0	1.513	2.491	4.0	15.2
12 7	3 55.07	+27 58.9	1.213	2.180	6.5	17.6	12 7	3 58.12	+10 11.4	1.526	2.481	7.2	15.4
12 17	3 45.35	+27 8.0	1.250	2.178	11.4	17.9	12 17	3 50.43	+ 9 30.5	1.566	2.471	11.3	15.6
12 27	3 38.87	+26 18.0	1.311	2.176	15.9	18.1	12 27	3 44.96	+ 9 7.3	1.629	2.462	15.0	15.9
122709	2000 <i>SF</i> ₃₁		11 26.1 88°57	0°8/25.7	18		241975	2002 <i>JZ</i> ₂₃					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
223515	2004 <i>CU</i> ₅₈		11 26.1 216°91	1.6/26.7	18		40904	1999 <i>TC</i> ₁₄₄		11 26.1 28°26	1.2/26.4	18	
10 18	4 41.91	+25 24.8	1.988	2.759	15.5	21.0	10 18	4 37.74	+22 49.7	1.475	2.280	18.4	19.3
10 28	4 36.73	+25 37.7	1.889	2.750	12.5	20.8	10 28	4 34.07	+23 12.3	1.404	2.287	14.7	19.1
11 7	4 28.72	+25 43.5	1.811	2.741	8.8	20.6	11 7	4 27.17	+23 29.2	1.353	2.294	10.2	18.8
11 17	4 18.43	+25 40.5	1.759	2.731	4.7	20.3	11 17	4 17.73	+23 38.8	1.325	2.301	5.2	18.5
11 27	4 6.89	+25 28.0	1.736	2.721	1.6	20.1	11 27	4 7.03	+23 40.9	1.323	2.309	1.2	18.3
12 7	3 55.38	+25 7.8	1.742	2.709	5.0	20.3	12 7	3 56.64	+23 37.1	1.348	2.318	5.7	18.6
12 17	3 45.17	+24 43.3	1.778	2.697	9.2	20.5	12 17	3 47.98	+23 31.0	1.399	2.327	10.5	18.9
12 27	3 37.31	+24 19.4	1.839	2.684	13.0	20.7	12 27	3 42.12	+23 26.8	1.474	2.336	14.6	19.2
99768	2002 <i>JW</i> ₁₀₄		11 26.1 166°43	0°1/26.0	18		240422	2003 <i>WR</i> ₃₁		11 26.1 82°52	1°1/26.6	18	
10 18	4 34.66	+21 33.1	2.659	3.432	11.9	20.9	10 18	4 38.20	+25 50.2	1.776	2.562	16.5	20.7
10 28	4 30.04	+21 22.2	2.569	3.436	9.4	20.8	10 28	4 33.73	+25 33.2	1.703	2.574	13.1	20.5
11 7	4 23.56	+21 6.8	2.504	3.438	6.4	20.6	11 7	4 26.51	+25 6.1	1.652	2.587	9.1	20.3
11 17	4 15.70	+20 47.3	2.465	3.441	3.1	20.4	11 17	4 17.25	+24 28.9	1.625	2.600	4.7	20.0
11 27	4 7.18	+20 24.9	2.457	3.443	0.4	20.1	11 27	4 7.10	+23 43.4	1.627	2.612	1.1	19.8
12 7	3 58.81	+20 1.7	2.479	3.445	3.8	20.4	12 7	3 57.35	+22 53.8	1.657	2.625	5.0	20.1
12 17	3 51.35	+19 39.9	2.531	3.447	7.0	20.6	12 17	3 49.16	+22 5.2	1.714	2.638	9.2	20.4
12 27	3 45.47	+19 22.3	2.611	3.448	9.9	20.8	12 27	3 43.38	+21 22.7	1.797	2.650	12.9	20.6
202506	2006 <i>BZ</i> ₁₅₅		11 26.1 137°73	1°6/26.8	18		150815	2001 <i>RH</i> ₁₁₄		11 26.1 42°11	3°4/25.2	18	
10 18	4 39.79	+26 4.9	1.929	2.705	15.7	20.8	10 18	4 38.23	+14 29.2	1.211	2.035	20.5	20.0
10 28	4 34.89	+26 9.6	1.848	2.712	12.6	20.6	10 28	4 34.53	+14 12.3	1.161	2.054	16.2	19.8
11 7	4 27.29	+26 5.9	1.788	2.720	8.8	20.4	11 7	4 27.40	+13 55.9	1.128	2.074	11.1	19.5
11 17	4 17.63	+25 52.6	1.754	2.727	4.7	20.2	11 17	4 17.75	+13 42.7	1.119	2.095	5.9	19.3
11 27	4 6.98	+25 29.9	1.748	2.733	1.6	20.0	11 27	4 7.06	+13 36.0	1.134	2.116	3.5	19.2
12 7	3 56.61	+25 0.4	1.772	2.739	4.8	20.2	12 7	3 57.00	+13 38.5	1.174	2.138	7.5	19.5
12 17	3 47.67	+24 28.2	1.824	2.745	8.9	20.5	12 17	3 48.98	+13 51.9	1.240	2.160	12.2	19.9
12 27	3 41.06	+23 58.1	1.901	2.751	12.4	20.7	12 27	3 43.96	+14 16.7	1.327	2.183	16.4	20.2
168450	1999 <i>AD</i> ₂₂		11 26.1 354°68	0°5/26.1	18		69671	1998 <i>GY</i> ₃		11 26.1 125°12	5°4/24.1	18	
10 18	4 37.35	+15 6.9	1.263	2.085	19.9	18.7	10 18	4 39.04	+ 5 33.4	2.180	2.955	14.2	19.9
10 28	4 34.45	+16 12.3	1.185	2.078	15.9	18.4	10 28	4 33.55	+ 4 59.6	2.114	2.973	11.4	19.8
11 7	4 27.91	+17 25.2	1.126	2.072	11.1	18.1	11 7	4 25.96	+ 4 31.4	2.070	2.990	8.5	19.6
11 17	4 18.30	+18 43.6	1.089	2.067	5.5	17.8	11 17	4 16.87	+ 4 12.0	2.053	3.006	6.1	19.5
11 27	4 6.89	+20 4.1	1.078	2.064	0.7	17.5	11 27	4 7.14	+ 4 4.7	2.065	3.022	5.5	19.5
12 7	3 55.47	+21 23.2	1.093	2.063	6.6	17.9	12 7	3 57.72	+ 4 11.1	2.106	3.037	7.3	19.7
12 17	3 45.81	+22 38.7	1.133	2.063	12.1	18.2	12 17	3 49.48	+ 4 31.6	2.175	3.051	10.0	19.9
12 27	3 39.32	+23 50.4	1.196	2.065	16.8	18.5	12 27	3 43.09	+ 5 5.1	2.269	3.065	12.6	20.1
458520	2011 <i>CT</i> ₇₁		11 26.1 186°12	2°8/27.6	18		518538	2006 <i>UH</i> ₃₆₃		11 26.1 169°64	1°6/25.5	18	
10 18	4 36.34	+30 53.5	2.894	3.639	11.7	22.0	10 18	4 39.09	+19 6.4	1.603	2.403	17.4	22.1
10 28	4 31.44	+31 12.9	2.797	3.639	9.5	21.9	10 28	4 34.77	+18 38.0	1.524	2.405	13.8	21.9
11 7	4 24.57	+31 24.6	2.724	3.638	7.0	21.7	11 7	4 27.45	+18 3.9	1.465	2.406	9.5	21.7
11 17	4 16.23	+31 26.7	2.677	3.637	4.4	21.5	11 17	4 17.82	+17 25.7	1.430	2.407	4.7	21.4
11 27	4 7.13	+31 18.7	2.660	3.636	2.8	21.4	11 27	4 7.04	+16 46.8	1.423	2.408	1.8	21.2
12 7	3 58.12	+31 1.7	2.674	3.634	4.1	21.5	12 7	3 56.55	+16 11.2	1.444	2.409	6.2	21.5
12 17	3 50.02	+30 37.9	2.718	3.632	6.7	21.7	12 17	3 47.63	+15 43.5	1.492	2.409	10.8	21.8
12 27	3 43.53	+30 10.8	2.789	3.630	9.2	21.8	12 27	3 41.29	+15 27.1	1.563	2.409	14.9	22.0
69388	1995 <i>ER</i> ₅		11 26.1 328°51	5°2/23.6	18		140082	2001 <i>SO</i> ₁₂₀		11 26.1 16°07	2°0/25.2	18	
10 18	4 31.83	+ 8 9.6	2.088	2.884	14.0	19.5	10 18	4 34.63	+17 50.2	1.900	2.698	15.1	20.5
10 28	4 28.27	+ 7 18.2	2.005	2.879	11.3	19.3	10 28	4 30.75	+17 15.1	1.818	2.699	11.9	20.3
11 7	4 22.60	+ 6 29.1	1.944	2.874	8.3	19.1	11 7	4 24.42	+16 35.6	1.758	2.699	8.2	20.1
11 17	4 15.33	+ 5 46.4	1.909	2.868	5.9	19.0	11 17	4 16.26	+15 53.9	1.724	2.700	4.2	19.8
11 27	4 7.27	+ 5 14.5	1.902	2.864	5.4	18.9	11 27	4 7.20	+15 13.4	1.717	2.701	2.2	19.7
12 7	3 59.34	+ 4 56.7	1.923	2.859	7.5	19.0	12 7	3 58.37	+14 37.7	1.740	2.701	5.6	19.9
12 17	3 52.44	+ 4 54.6	1.970	2.855	10.4	19.2	12 17	3 50.78	+14 10.5	1.789	2.702	9.6	20.2
12 27	3 47.30	+ 5 8.6	2.041	2.851	13.3	19.4	12 27	3 45.27	+13 54.3	1.864	2.703	13.1	20.4
66048	1998 <i>QU</i> ₈₅		11 26.1 67°94	7°0/30.3	18		201551	2003 <i>RH</i> ₁₅		11 26.1 108°41	2°1/24.8	18	
10 18	4 40.15	+42 46.2	2.230	2.943	15.6	17.8	10 18	4 34.86	+16 23.9	2.708	3.484	11.7	20.5
10 28	4 35.41	+43 20.5	2.149	2.950	13.4	17.7	10 28	4 29.90	+15 37.0	2.638	3.506	9.1	20.3
11 7	4 27.76	+43 38.1	2.087	2.958	10.9	17.5	11 7	4 23.28	+14 47.6	2.593	3.528	6.2	20.2
11 17	4 17.91	+43 34.6	2.049	2.966	8.6	17.4	11 17	4 15.51	+13 58.0	2.576	3.549	3.3	20.0
11 27	4 7.01	+43 7.6	2.037	2.974	7.2	17.3	11 27	4 7.29	+13 10.9	2.589	3.569	2.2	20.0
12 7	3 56.45	+42 18.7	2.052	2.982	7.5	17.4	12 7	3 59.35	+12 29.3	2.634	3.589	4.5	20.2
12 17	3 47.46	+41 12.7	2.094	2.991	9.3	17.5	12 17	3 52.37	+11 55.5	2.709	3.609	7.3	20.4
12 27	3 41.00	+39 57.1	2.162	2.999	11.6	17.7	12 27	3 46.87	+11 31.5	2.811	3.628	9.8	20.6
149343	2002 <i>VT</i> ₉₆		11 26.1 15°28	1°1/25.9	18		216186	2006 <i>TU</i> ₇₃		11 26.1 51°58	1°8/25.3	18	
10 18	4 38.31	+17 30.1	1.295	2.114	19.8	19.5	10 18	4 35.27	+18 5.9	1.786	2.586	15.9	21.0
10 28	4 34.89	+17 47.2	1.225	2.116	15.7	19.2	10 28	4 31.33	+17 38.6	1.713	2.595	12.5	20.8
11 7	4 27.95	+18 3.7	1.173	2.118	10.8	19.0	11 7	4 24.84	+17 7.3	1.662	2.604	8.5	20.6
11 17	4 18.19	+18 19.5	1.144	2.122	5.3	18.7	11 17	4 16.45	+16 34.0	1.636	2.613	4.3	20.3
11 27	4 6.98	+18 35.1	1.140	2.126	1.3	18.4	11 27	4 7.19	+16 1.6	1.638	2.622	2.0	20.2
12 7	3 56.03	+18 51.7	1.162	2.130	6.6	18.8	12 7	3 58.24	+15 33.8	1.668	2.631	5.6	20.5
12 17	3 46.95	+19 11.1	1.209	2.135	11.8	19.1	12 17	3 50.66	+15 13.6	1.725	2.641	9.7	20.7
12 27	3 40.94	+19 35.7	1.278	2.141	16.4	19.4	12 27	3 45.29	+15 3.5	1.807	2.650	13.2	21.0
17231	2000 <i>CB</i> ₁₂₂		11 26.1 93°94	0°7/25.7	18		393529	2002 <i>TK</i>					

EPHEMERIDES

11 26.1

11 26.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
144535	2004 <i>ER</i> ₈₃		11 26.1 111°24	0°4/26.3	18		50703	2000 <i>EE</i> ₁₃₁		11 26.1 154°88	0°3/25.9	18	
10 18	4 37.81	+21 46.8	2.018	2.802	14.9	20.3	10 18	4 34.00	+20 31.4	2.873	3.645	11.2	19.3
10 28	4 33.21	+21 59.2	1.935	2.806	11.8	20.1	10 28	4 29.38	+20 22.7	2.785	3.651	8.8	19.1
11 7	4 26.11	+22 7.2	1.874	2.811	8.1	19.9	11 7	4 23.05	+20 10.3	2.721	3.656	6.0	19.0
11 17	4 17.10	+22 10.3	1.839	2.815	4.0	19.6	11 17	4 15.48	+19 54.9	2.685	3.661	2.9	18.8
11 27	4 7.13	+22 8.8	1.833	2.819	0.5	19.4	11 27	4 7.32	+19 37.6	2.679	3.666	0.5	18.6
12 7	3 57.34	+22 4.2	1.856	2.824	4.6	19.7	12 7	3 59.30	+19 20.0	2.705	3.670	3.6	18.8
12 17	3 48.79	+21 58.8	1.907	2.828	8.6	19.9	12 17	3 52.12	+19 4.2	2.760	3.674	6.6	19.0
12 27	3 42.37	+21 55.8	1.984	2.832	12.1	20.2	12 27	3 46.37	+18 52.3	2.843	3.678	9.2	19.2
181149	2005 <i>RV</i> ₆		11 26.1 34°46	11°1/20.6	18		258696	2002 <i>GD</i> ₁₆		11 26.1 146°82	2°4/25.2	16	
10 18	4 32.08	- 2 28.0	1.624	2.421	17.4	19.5	10 18	4 41.20	+16 54.9	1.765	2.555	16.4	21.3
10 28	4 28.78	- 4 28.9	1.578	2.434	14.8	19.3	10 28	4 35.99	+16 22.0	1.690	2.565	13.0	21.0
11 7	4 23.03	- 6 17.5	1.552	2.448	12.5	19.2	11 7	4 28.03	+15 45.6	1.636	2.575	8.9	20.8
11 17	4 15.52	- 7 44.6	1.550	2.462	11.2	19.2	11 17	4 18.02	+15 7.9	1.608	2.583	4.6	20.6
11 27	4 7.30	- 8 42.2	1.572	2.477	11.4	19.3	11 27	4 7.08	+14 32.1	1.609	2.591	2.5	20.5
12 7	3 59.47	- 9 6.9	1.617	2.492	12.9	19.4	12 7	3 56.48	+14 2.0	1.638	2.599	6.1	20.7
12 17	3 53.02	- 8 59.2	1.685	2.508	15.1	19.6	12 17	3 47.38	+13 41.1	1.696	2.605	10.3	21.0
12 27	3 48.69	- 8 22.8	1.772	2.525	17.2	19.8	12 27	3 40.68	+13 31.7	1.778	2.611	13.9	21.2
251453	2008 <i>CA</i> ₁₃₉		11 26.1 56°59	1°2/25.7	18		308791	2006 <i>QO</i> ₃₅		11 26.1 104°41	6°3/23.3	18	
10 18	4 36.21	+18 40.1	1.822	2.618	15.7	20.7	10 18	4 36.41	+ 4 28.7	2.110	2.892	14.4	21.0
10 28	4 32.02	+18 30.2	1.751	2.630	12.4	20.5	10 28	4 31.55	+ 3 28.7	2.050	2.911	11.7	20.9
11 7	4 25.28	+18 17.0	1.702	2.643	8.4	20.2	11 7	4 24.62	+ 2 34.3	2.013	2.930	8.9	20.8
11 17	4 16.66	+18 1.4	1.678	2.655	4.1	20.0	11 17	4 16.24	+ 1 50.3	2.002	2.948	6.8	20.7
11 27	4 7.18	+17 45.4	1.682	2.667	1.3	19.8	11 27	4 7.27	+ 1 21.0	2.019	2.966	6.5	20.7
12 7	3 58.02	+17 31.5	1.714	2.680	5.2	20.1	12 7	3 58.63	+ 1 8.9	2.064	2.983	8.2	20.8
12 17	3 50.22	+17 22.4	1.775	2.693	9.3	20.4	12 17	3 51.17	+ 1 14.6	2.136	3.000	10.6	21.0
12 27	3 44.63	+17 20.5	1.860	2.706	12.8	20.7	12 27	3 45.53	+ 1 37.0	2.231	3.017	13.1	21.2
119196	2001 <i>QZ</i> ₁₁₂		11 26.1 309°62	0°7/25.8	18		404472	2013 <i>GZ</i> ₁₃₄		11 26.1 84°18	3°7/24.6	18	
10 18	4 34.40	+23 23.2	1.426	2.239	18.6	19.0	10 18	4 35.19	+10 11.1	2.261	3.047	13.4	20.8
10 28	4 31.78	+22 40.5	1.333	2.221	14.9	18.7	10 28	4 30.54	+ 9 46.1	2.194	3.064	10.6	20.6
11 7	4 25.87	+21 44.5	1.259	2.204	10.3	18.4	11 7	4 23.93	+ 9 23.5	2.150	3.082	7.5	20.4
11 17	4 17.24	+20 36.5	1.208	2.187	5.1	18.0	11 17	4 15.92	+ 9 5.9	2.133	3.099	4.7	20.3
11 27	4 7.11	+19 20.4	1.184	2.170	1.0	17.7	11 27	4 7.30	+ 8 55.7	2.145	3.116	3.8	20.3
12 7	3 57.07	+18 3.3	1.186	2.154	6.5	18.0	12 7	3 58.96	+ 8 54.9	2.186	3.133	5.9	20.4
12 17	3 48.65	+16 53.2	1.213	2.138	11.9	18.3	12 17	3 51.69	+ 9 4.2	2.255	3.150	8.8	20.7
12 27	3 43.06	+15 57.3	1.263	2.123	16.7	18.5	12 27	3 46.14	+ 9 23.9	2.350	3.167	11.5	20.9
191175	2002 <i>NT</i> ₂₁		11 26.1 55°52	5°5/29.7	17		334217	2001 <i>SM</i> ₃₅₀		11 26.1 40°63	1°3/26.5	18	
10 18	4 38.07	+39 48.1	2.226	2.955	15.2	19.5	10 18	4 38.99	+23 53.8	1.217	2.033	20.9	20.2
10 28	4 33.50	+39 55.0	2.145	2.965	12.8	19.4	10 28	4 35.42	+24 5.4	1.164	2.052	16.6	20.0
11 7	4 26.28	+39 45.4	2.085	2.975	10.1	19.2	11 7	4 28.19	+24 8.1	1.129	2.072	11.4	19.7
11 17	4 17.13	+39 16.3	2.049	2.985	7.4	19.1	11 17	4 18.21	+24 0.6	1.117	2.093	5.8	19.5
11 27	4 7.14	+38 27.3	2.039	2.995	5.6	19.0	11 27	4 7.08	+23 43.8	1.129	2.115	1.3	19.3
12 7	3 57.55	+37 20.9	2.058	3.006	6.2	19.0	12 7	3 56.60	+23 21.5	1.167	2.137	6.2	19.7
12 17	3 49.44	+36 2.7	2.106	3.016	8.5	19.2	12 17	3 48.32	+22 58.7	1.229	2.160	11.3	20.0
12 27	3 43.64	+34 40.1	2.180	3.027	11.1	19.4	12 27	3 43.24	+22 41.0	1.314	2.183	15.6	20.3
254993	2005 <i>SX</i> ₂₈₅		11 26.1 145°63	0°5/26.3	18		100922	1998 <i>KR</i> ₆₁		11 26.1 162°80	5°5/23.9	18	
10 18	4 37.63	+22 3.6	2.262	3.038	13.7	21.8	10 18	4 40.51	+ 6 27.3	2.127	2.902	14.5	20.1
10 28	4 32.79	+22 16.1	2.176	3.043	10.8	21.6	10 28	4 34.88	+ 5 45.3	2.050	2.910	11.7	19.9
11 7	4 25.69	+22 24.6	2.113	3.047	7.5	21.4	11 7	4 27.00	+ 5 7.6	1.996	2.917	8.7	19.7
11 17	4 16.86	+22 28.2	2.076	3.052	3.7	21.2	11 17	4 17.47	+ 4 37.9	1.969	2.923	6.1	19.6
11 27	4 7.17	+22 27.4	2.069	3.056	0.6	20.9	11 27	4 7.15	+ 4 19.9	1.970	2.929	5.6	19.6
12 7	3 57.63	+22 23.4	2.092	3.059	4.2	21.2	12 7	3 57.08	+ 4 16.3	2.001	2.933	7.6	19.7
12 17	3 49.21	+22 18.3	2.144	3.063	7.9	21.4	12 17	3 48.20	+ 4 27.7	2.060	2.936	10.4	19.9
12 27	3 42.69	+22 14.9	2.223	3.066	11.1	21.7	12 27	3 41.25	+ 4 53.7	2.144	2.939	13.2	20.1
411606	2011 <i>GP</i> ₈₆		11 26.1 354°62	6°7/28.8	17		104519	2000 <i>GS</i> ₄₇		11 26.1 180°71	1°5/26.9	18	
10 18	4 38.70	+38 1.8	2.072	2.812	15.9	20.4	10 18	4 35.02	+26 48.8	2.900	3.658	11.4	20.9
10 28	4 34.58	+39 3.6	1.984	2.810	13.4	20.2	10 28	4 30.32	+26 56.6	2.805	3.659	9.1	20.8
11 7	4 27.47	+39 53.1	1.917	2.808	10.7	20.0	11 7	4 23.79	+26 58.1	2.734	3.659	6.4	20.6
11 17	4 17.93	+40 24.9	1.873	2.807	8.2	19.9	11 17	4 15.89	+26 52.7	2.689	3.659	3.5	20.4
11 27	4 7.05	+40 35.5	1.856	2.806	6.7	19.8	11 27	4 7.31	+26 40.4	2.676	3.659	1.5	20.3
12 7	3 56.23	+40 24.6	1.866	2.805	7.5	19.8	12 7	3 58.83	+26 22.6	2.692	3.658	3.6	20.4
12 17	3 46.84	+39 55.6	1.903	2.805	9.8	20.0	12 17	3 51.21	+26 1.5	2.740	3.657	6.4	20.6
12 27	3 39.97	+39 14.8	1.964	2.805	12.5	20.1	12 27	3 45.09	+25 40.0	2.814	3.656	9.1	20.8
509378	2007 <i>BC</i> ₇₈		11 26.1 222°23	1°1/26.6	18		227131	2005 <i>OB</i> ₁₀		11 26.1 89°72	0°8/25.8	18	
10 18	4 40.13	+24 53.6	1.935	2.712	15.6	22.4	10 18	4 42.10	+19 48.7	1.584	2.378	17.8	21.3
10 28	4 35.37	+24 53.5	1.838	2.704	12.5	22.1	10 28	4 36.90	+19 39.5	1.522	2.400	14.0	21.1
11 7	4 27.81	+24 45.5	1.762	2.695	8.8	21.9	11 7	4 28.71	+19 25.6	1.482	2.421	9.5	20.9
11 17	4 18.03	+24 28.5	1.712	2.686	4.6	21.6	11 17	4 18.35	+19 7.5	1.466	2.443	4.6	20.7
11 27	4 7.05	+24 3.1	1.691	2.676	1.2	21.3	11 27	4 7.08	+18 47.3	1.477	2.463	1.0	20.5
12 7	3 56.16	+23 31.6	1.698	2.666	5.0	21.6	12 7	3 56.34	+18 28.1	1.517	2.484	5.6	20.8
12 17	3 46.59	+22 58.0	1.734	2.655	9.3	21.8	12 17	3 47.36	+18 13.3	1.585	2.504	10.1	21.1
12 27	3 39.35	+22 27.5	1.796	2.644	13.1	22.1	12 27	3 41.03	+18 6.1	1.677	2.523	14.0	21.4
396193	2013 <i>JA</i> ₂₆		11 26.1 102°35	4°9/24.0	18		22312						

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
516651	2008 <i>KB</i> ₁		11 26.1	83°55'	3°4'/24.9	18	349750	2008 <i>YZ</i> ₁₅₅		11 26.1	317°78'	5°9'/27.4	18
10 18	4 36.50	+10 26.2	2.159	2.945	13.9	20.6	10 18	4 42.10	+31 19.0	1.659	2.431	18.0	20.1
10 28	4 31.78	+10 19.7	2.084	2.955	11.1	20.4	10 28	4 37.97	+32 38.9	1.569	2.423	15.0	19.8
11 7	4 24.91	+10 16.3	2.033	2.965	7.8	20.3	11 7	4 30.29	+33 51.7	1.499	2.415	11.4	19.6
11 17	4 16.46	+10 17.9	2.007	2.975	4.7	20.1	11 17	4 19.55	+34 50.9	1.453	2.408	7.8	19.4
11 27	4 7.27	+10 26.4	2.011	2.986	3.5	20.0	11 27	4 6.97	+35 31.0	1.433	2.401	5.9	19.2
12 7	3 58.30	+10 42.9	2.043	2.996	5.8	20.2	12 7	3 54.24	+35 49.7	1.440	2.394	7.6	19.3
12 17	3 50.44	+11 7.9	2.105	3.006	9.0	20.4	12 17	3 43.11	+35 49.7	1.473	2.387	11.2	19.5
12 27	3 44.41	+11 41.3	2.192	3.016	12.0	20.6	12 27	3 35.02	+35 37.4	1.531	2.381	14.8	19.7
169893	2002 <i>RP</i> ₁₇₄		11 26.1	23°89'	0°3'/26.2	18	368040	2012 <i>HY</i> ₈		11 26.1	204°37'	3°8'/24.5	17
10 18	4 35.48	+23 34.6	1.635	2.435	17.1	20.3	10 18	4 34.27	+ 8 52.9	2.491	3.272	12.4	21.2
10 28	4 31.94	+23 17.7	1.558	2.439	13.6	20.1	10 28	4 29.83	+ 8 33.4	2.403	3.270	9.9	21.0
11 7	4 25.52	+22 51.9	1.502	2.443	9.3	19.8	11 7	4 23.51	+ 8 16.9	2.340	3.268	7.2	20.8
11 17	4 16.89	+22 17.7	1.471	2.447	4.6	19.6	11 17	4 15.79	+ 8 5.7	2.303	3.266	4.7	20.7
11 27	4 7.22	+21 37.4	1.466	2.452	0.5	19.3	11 27	4 7.36	+ 8 2.1	2.295	3.263	3.9	20.6
12 7	3 57.85	+20 55.1	1.489	2.458	5.3	19.7	12 7	3 59.05	+ 8 7.8	2.317	3.261	5.9	20.8
12 17	3 50.03	+20 15.6	1.538	2.463	9.9	19.9	12 17	3 51.62	+ 8 23.7	2.367	3.258	8.6	20.9
12 27	3 44.68	+19 43.7	1.612	2.469	13.9	20.2	12 27	3 45.74	+ 8 49.7	2.443	3.255	11.3	21.1
408480	2013 <i>HX</i> ₁₁₅		11 26.1	119°85'	1°0'/25.6	14 C	89352	2001 <i>VC</i> ₇₅		11 26.1	354°67'	2°8'/25.5	18
10 18	4 35.64	+18 59.9	2.530	3.306	12.4	22.9	10 18	4 33.81	+13 30.2	1.409	2.230	18.3	17.8
10 28	4 30.78	+18 38.7	2.453	3.322	9.7	22.7	10 28	4 31.10	+13 41.4	1.332	2.224	14.6	17.6
11 7	4 24.05	+18 14.1	2.400	3.336	6.6	22.5	11 7	4 25.27	+13 55.9	1.274	2.219	10.2	17.3
11 17	4 15.98	+17 47.2	2.375	3.351	3.2	22.3	11 17	4 16.93	+14 15.2	1.239	2.215	5.4	17.0
11 27	4 7.33	+17 19.9	2.380	3.365	1.2	22.2	11 27	4 7.24	+14 40.6	1.230	2.213	2.9	16.9
12 7	3 58.91	+16 54.4	2.415	3.378	4.2	22.4	12 7	3 57.68	+15 13.0	1.246	2.211	6.8	17.1
12 17	3 51.51	+16 33.3	2.480	3.391	7.3	22.7	12 17	3 49.65	+15 52.6	1.288	2.211	11.6	17.4
12 27	3 45.73	+16 18.5	2.572	3.404	10.2	22.9	12 27	3 44.29	+16 39.6	1.352	2.213	15.8	17.6
1521	Seinäjoki		11 26.1	1°91'	8°1'/28.5	18	353070	2009 <i>DJ</i> ₈₃		11 26.1	137°58'	0°9'/25.7	18
10 18	4 40.49	+37 27.4	1.701	2.457	18.3	15.8	10 18	4 37.24	+19 12.7	2.506	3.280	12.6	21.8
10 28	4 36.77	+38 54.7	1.621	2.456	15.5	15.7	10 28	4 32.08	+18 55.2	2.427	3.293	9.9	21.7
11 7	4 29.45	+40 9.5	1.560	2.455	12.5	15.5	11 7	4 24.97	+18 34.2	2.371	3.306	6.7	21.5
11 17	4 19.09	+41 4.7	1.521	2.455	9.6	15.3	11 17	4 16.46	+18 10.6	2.342	3.318	3.3	21.3
11 27	4 7.00	+41 34.2	1.508	2.456	8.1	15.2	11 27	4 7.32	+17 46.1	2.344	3.330	1.0	21.1
12 7	3 54.92	+41 36.6	1.520	2.458	8.9	15.3	12 7	3 58.41	+17 22.9	2.377	3.341	4.2	21.4
12 17	3 44.60	+41 15.8	1.558	2.460	11.5	15.4	12 17	3 50.54	+17 3.5	2.440	3.351	7.4	21.6
12 27	3 37.41	+40 39.6	1.619	2.463	14.5	15.6	12 27	3 44.35	+16 49.9	2.530	3.361	10.3	21.8
378038	2006 <i>SM</i> ₄₀₂		11 26.1	84°85'	0°5'/25.9	16	409560	2005 <i>UY</i> ₁₀₉		11 26.1	329°27'	1°4'/26.8	17
10 18	4 42.53	+21 52.1	1.466	2.264	18.9	22.1	10 18	4 34.00	+26 5.3	1.852	2.642	15.8	21.5
10 28	4 37.42	+21 27.9	1.408	2.287	14.8	21.9	10 28	4 30.68	+25 58.9	1.760	2.633	12.6	21.3
11 7	4 29.13	+20 55.9	1.370	2.311	10.1	21.7	11 7	4 24.66	+25 42.9	1.689	2.625	8.9	21.0
11 17	4 18.56	+20 17.1	1.357	2.334	4.9	21.4	11 17	4 16.53	+25 16.7	1.642	2.616	4.7	20.8
11 27	4 7.09	+19 34.7	1.370	2.356	0.8	21.2	11 27	4 7.30	+24 41.4	1.623	2.608	1.4	20.5
12 7	3 56.27	+18 53.2	1.411	2.379	5.8	21.6	12 7	3 58.19	+24 0.1	1.632	2.601	4.9	20.8
12 17	3 47.39	+18 17.8	1.480	2.400	10.6	21.9	12 17	3 50.39	+23 17.3	1.668	2.594	9.2	21.0
12 27	3 41.34	+17 52.5	1.572	2.422	14.5	22.2	12 27	3 44.85	+22 38.3	1.729	2.588	13.0	21.2
227740	2006 <i>FT</i> ₄₅		11 26.1	239°80'	0°0'/26.1	18	90739	1993 <i>FM</i> ₃₁		11 26.1	21°03'	2°2'/25.6	18
10 18	4 34.45	+21 45.2	2.611	3.385	12.1	21.2	10 18	4 35.18	+17 58.9	0.987	1.831	22.7	18.7
10 28	4 30.09	+21 40.5	2.509	3.376	9.6	21.0	10 28	4 33.16	+17 42.7	0.932	1.837	18.0	18.4
11 7	4 23.76	+21 31.3	2.431	3.366	6.6	20.8	11 7	4 27.11	+17 22.2	0.893	1.845	12.3	18.1
11 17	4 15.94	+21 17.9	2.381	3.356	3.2	20.5	11 17	4 17.89	+16 59.7	0.874	1.853	6.2	17.8
11 27	4 7.34	+21 1.1	2.360	3.346	0.3	20.3	11 27	4 7.18	+16 39.1	0.878	1.863	2.4	17.6
12 7	3 58.78	+20 42.7	2.369	3.336	3.9	20.5	12 7	3 57.02	+16 25.0	0.905	1.874	7.8	18.0
12 17	3 51.10	+20 25.0	2.408	3.325	7.2	20.7	12 17	3 49.17	+16 21.4	0.955	1.887	13.6	18.4
12 27	3 45.00	+20 10.7	2.475	3.315	10.2	20.9	12 27	3 44.84	+16 30.8	1.025	1.900	18.5	18.7
206323	2003 <i>NH</i> ₁₁		11 26.1	356°74'	8°1'/30.2	17	175711	1996 <i>TW</i> ₄₂		11 26.1	179°43'	6°9'/29.7	18
10 18	4 28.94	+39 38.2	1.116	1.919	23.2	19.0	10 18	4 42.62	+41 53.2	2.340	3.048	15.1	20.7
10 28	4 28.90	+39 52.1	1.044	1.911	19.8	18.7	10 28	4 37.38	+42 39.1	2.249	3.049	12.9	20.5
11 7	4 24.59	+39 37.2	0.988	1.905	15.7	18.4	11 7	4 29.22	+43 10.3	2.179	3.049	10.6	20.4
11 17	4 16.79	+38 47.4	0.949	1.902	11.4	18.2	11 17	4 18.75	+43 22.1	2.132	3.049	8.3	20.2
11 27	4 7.25	+37 20.8	0.932	1.900	8.4	18.0	11 27	4 7.09	+43 11.2	2.112	3.049	7.0	20.2
12 7	3 58.18	+35 23.9	0.938	1.900	9.1	18.1	12 7	3 55.59	+42 38.0	2.120	3.049	7.4	20.2
12 17	3 51.53	+33 9.9	0.967	1.902	12.9	18.3	12 17	3 45.56	+41 46.7	2.156	3.048	9.3	20.3
12 27	3 48.58	+30 55.4	1.017	1.907	17.3	18.5	12 27	3 38.00	+40 44.0	2.217	3.047	11.6	20.5
55836	1996 <i>HW</i> ₂₂		11 26.1	156°76'	0°6'/25.9	18	378170	2006 <i>WF</i> ₇₉		11 26.1	298°65'	2°0'/26.9	18
10 18	4 39.78	+20 53.0	2.040	2.820	14.9	20.7	10 18	4 37.44	+26 54.5	1.445	2.246	18.9	21.4
10 28	4 34.62	+20 34.1	1.958	2.827	11.7	20.5	10 28	4 34.31	+26 51.4	1.355	2.234	15.3	21.1
11 7	4 27.00	+20 9.6	1.898	2.834	8.0	20.3	11 7	4 27.69	+26 36.1	1.285	2.222	10.9	20.9
11 17	4 17.53	+19 40.2	1.864	2.840	3.9	20.1	11 17	4 18.20	+26 6.8	1.237	2.211	5.9	20.5
11 27	4 7.19	+19 7.8	1.859	2.846	0.8	19.9	11 27	4 7.13	+25 24.0	1.214	2.199	2.0	20.3
12 7	3 57.12	+18 35.5	1.885	2.851	4.8	20.2	12 7	3 56.17	+24 31.8	1.219	2.188	6.1	20.5
12 17	3 48.34	+18 6.9	1.939	2.855	8.8	20.4	12 17	3 46.94	+23 36.8	1.248	2.177	11.3	20.8
12 27	3 41.68	+17 45.3	2.020	2.858	12.3	20.6	12 27	3 40.70	+22 46.7	1.301	2.167	16.0	21.0
308136	2004 <i>YY</i> ₇		11 26.1	10°19'	0°4'/25.9	18	493220	2014					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
175289	2005 <i>LX</i> ₂₀	11 26.1 351°27' 7.1°/25.7 18					487116	2014 <i>OE</i> ₁₆₉	11 26.1 110°43' 6.7°/29.9 17				
10 18	4 34.75	+ 3 44.7	1.195	2.020	20.7	18.8	10 18	4 42.53	+41 40.5	2.308	3.018	15.2	22.1
10 28	4 32.36	+ 4 0.8	1.120	2.008	17.0	18.6	10 28	4 37.17	+42 22.3	2.229	3.030	13.0	21.9
11 7	4 26.46	+ 4 33.3	1.062	1.998	12.8	18.3	11 7	4 28.96	+42 48.9	2.170	3.042	10.5	21.8
11 17	4 17.65	+ 5 27.0	1.025	1.990	8.8	18.0	11 17	4 18.57	+42 55.7	2.135	3.054	8.2	21.6
11 27	4 7.19	+ 6 44.0	1.012	1.983	7.1	17.9	11 27	4 7.15	+42 40.2	2.126	3.065	6.8	21.6
12 7	3 56.77	+ 8 22.5	1.024	1.978	9.8	18.1	12 7	3 56.03	+42 3.5	2.146	3.077	7.2	21.6
12 17	3 48.07	+10 17.3	1.059	1.976	14.2	18.3	12 17	3 46.45	+41 10.0	2.193	3.088	9.0	21.8
12 27	3 42.40	+12 22.2	1.116	1.975	18.6	18.6	12 27	3 39.35	+40 6.6	2.266	3.098	11.3	21.9
443665	2015 <i>FO</i> ₃₃₅	11 26.1 141°66' 3.2°/24.8 18					520596	2014 <i>OM</i> ₃₉₉	11 26.1 150°06' 0.9°/25.7 18				
10 18	4 39.20	+13 41.8	1.956	2.743	15.1	21.6	10 18	4 35.46	+19 0.1	2.300	3.083	13.3	21.9
10 28	4 34.12	+13 10.4	1.881	2.754	12.0	21.4	10 28	4 31.01	+18 49.9	2.215	3.086	10.5	21.7
11 7	4 26.63	+12 38.4	1.828	2.763	8.3	21.2	11 7	4 24.44	+18 36.5	2.152	3.089	7.2	21.5
11 17	4 17.35	+12 8.5	1.801	2.773	4.7	21.0	11 17	4 16.30	+18 20.5	2.116	3.092	3.5	21.3
11 27	4 7.25	+11 43.6	1.803	2.781	3.3	20.9	11 27	4 7.38	+18 3.7	2.109	3.095	1.0	21.1
12 7	3 57.43	+11 26.8	1.835	2.789	6.2	21.1	12 7	3 58.62	+17 48.0	2.133	3.097	4.4	21.4
12 17	3 48.91	+11 20.2	1.894	2.797	9.8	21.4	12 17	3 50.91	+17 35.8	2.185	3.100	8.0	21.6
12 27	3 42.49	+11 25.1	1.979	2.803	13.0	21.6	12 27	3 44.98	+17 29.4	2.263	3.102	11.1	21.8
378551	2008 <i>CM</i> ₁₀₈	11 26.1 213°98' 0.3°/26.3 18					188825	2005 <i>YA</i> ₁₇₈	11 26.1 27°91' 2.2°/25.6 18				
10 18	4 40.81	+23 43.7	1.884	2.663	15.9	21.7	10 18	4 38.20	+13 12.8	1.868	2.660	15.6	20.4
10 28	4 35.92	+23 27.7	1.788	2.657	12.7	21.4	10 28	4 33.64	+13 33.8	1.789	2.665	12.3	20.2
11 7	4 28.21	+23 3.3	1.714	2.649	8.8	21.2	11 7	4 26.50	+13 57.9	1.732	2.670	8.5	20.0
11 17	4 18.27	+22 30.2	1.665	2.640	4.4	20.9	11 17	4 17.39	+14 25.6	1.701	2.676	4.5	19.8
11 27	4 7.15	+21 49.8	1.645	2.631	0.5	20.6	11 27	4 7.27	+14 57.4	1.699	2.682	2.3	19.7
12 7	3 56.15	+21 5.7	1.654	2.621	5.1	20.9	12 7	3 57.33	+15 33.3	1.725	2.688	5.6	19.9
12 17	3 46.53	+20 22.7	1.692	2.611	9.6	21.2	12 17	3 48.66	+16 13.3	1.780	2.694	9.5	20.1
12 27	3 39.29	+19 45.8	1.755	2.600	13.5	21.4	12 27	3 42.16	+16 57.7	1.860	2.701	13.0	20.4
407017	2009 <i>SC</i> ₂₅	11 26.1 75°02' 1.7°/27.0 14 C					453531	2009 <i>WG</i> ₁₃	11 26.1 269°62' 0.4°/26.0 18				
10 18	4 37.62	+27 15.2	2.144	2.915	14.5	22.4	10 18	4 37.57	+18 15.6	2.381	3.158	13.1	21.3
10 28	4 32.79	+27 14.6	2.076	2.937	11.5	22.2	10 28	4 32.80	+18 40.3	2.279	3.147	10.4	21.1
11 7	4 25.64	+27 5.1	2.029	2.958	8.1	22.1	11 7	4 25.81	+19 4.6	2.200	3.136	7.1	20.9
11 17	4 16.82	+26 46.2	2.009	2.980	4.4	21.9	11 17	4 17.05	+19 28.0	2.149	3.125	3.5	20.7
11 27	4 7.30	+26 18.6	2.017	3.001	1.7	21.7	11 27	4 7.31	+19 50.4	2.127	3.113	0.5	20.4
12 7	3 58.15	+25 45.0	2.055	3.022	4.3	21.9	12 7	3 57.53	+20 12.0	2.136	3.102	4.3	20.7
12 17	3 50.32	+25 9.2	2.122	3.043	7.8	22.2	12 17	3 48.66	+20 33.6	2.175	3.091	7.9	20.9
12 27	3 44.54	+24 35.4	2.215	3.064	10.9	22.4	12 27	3 41.56	+20 56.8	2.240	3.079	11.2	21.1
492539	2014 <i>OB</i> ₁₀₀	11 26.1 6°75' 6.3°/23.4 18					361387	2006 <i>VN</i> ₇₂	11 26.1 283°18' 0.2°/26.1 18				
10 18	4 32.36	+ 5 54.0	1.902	2.702	15.1	20.9	10 18	4 36.36	+20 39.3	1.996	2.785	14.8	21.2
10 28	4 28.87	+ 4 59.9	1.829	2.702	12.2	20.7	10 28	4 32.20	+20 41.7	1.907	2.781	11.8	20.9
11 7	4 23.12	+ 4 10.5	1.777	2.703	9.3	20.5	11 7	4 25.54	+20 40.0	1.839	2.777	8.1	20.7
11 17	4 15.67	+ 3 30.7	1.750	2.704	6.9	20.4	11 17	4 16.94	+20 34.3	1.797	2.773	4.0	20.5
11 27	4 7.42	+ 3 5.2	1.750	2.706	6.5	20.4	11 27	4 7.32	+20 25.5	1.783	2.769	0.5	20.2
12 7	3 59.37	+ 2 57.1	1.777	2.708	8.5	20.5	12 7	3 57.81	+20 15.4	1.798	2.766	4.8	20.5
12 17	3 52.46	+ 3 7.5	1.830	2.710	11.3	20.7	12 17	3 49.49	+20 6.7	1.842	2.762	8.9	20.7
12 27	3 47.47	+ 3 35.5	1.906	2.713	14.2	20.9	12 27	3 43.25	+20 2.2	1.910	2.758	12.5	21.0
466980	2016 <i>BE</i> ₁₇	11 26.1 5°07' 1.0°/25.7 16					281169	2007 <i>EP</i> ₄₅	11 26.1 187°42' 1.6°/25.5 18				
10 18	4 32.90	+19 4.8	1.841	2.644	15.4	21.1	10 18	4 38.60	+18 15.5	1.852	2.643	15.7	21.6
10 28	4 29.58	+18 56.7	1.762	2.644	12.1	20.9	10 28	4 34.03	+17 54.3	1.767	2.643	12.5	21.4
11 7	4 23.77	+18 45.0	1.703	2.645	8.3	20.6	11 7	4 26.81	+17 29.0	1.703	2.642	8.6	21.2
11 17	4 16.05	+18 30.7	1.669	2.647	4.1	20.4	11 17	4 17.55	+17 1.1	1.665	2.642	4.3	20.9
11 27	4 7.38	+18 15.5	1.663	2.649	1.1	20.2	11 27	4 7.27	+16 33.1	1.656	2.640	1.8	20.7
12 7	3 58.90	+18 2.0	1.685	2.652	5.1	20.5	12 7	3 57.17	+16 8.0	1.675	2.639	5.6	21.0
12 17	3 51.67	+17 52.8	1.734	2.655	9.2	20.7	12 17	3 48.42	+15 49.3	1.722	2.637	9.8	21.2
12 27	3 46.55	+17 50.6	1.808	2.659	12.9	21.0	12 27	3 41.90	+15 39.7	1.794	2.634	13.5	21.5
382178	2012 <i>JH</i> ₄₃	11 26.1 103°71' 2.1°/26.9 18					69006	2002 <i>TS</i> ₂₁₂	11 26.1 45°84' 9.2°/23.0 18				
10 18	4 44.97	+26 7.8	1.689	2.465	17.6	21.5	10 18	4 35.13	- 0 34.5	1.681	2.473	17.1	19.0
10 28	4 39.24	+26 28.5	1.623	2.487	14.1	21.3	10 28	4 31.21	- 1 38.9	1.622	2.482	14.3	18.8
11 7	4 30.40	+26 40.6	1.578	2.508	9.9	21.1	11 7	4 24.77	- 2 31.9	1.584	2.491	11.5	18.7
11 17	4 19.25	+26 41.8	1.557	2.529	5.3	20.9	11 17	4 16.48	- 3 7.0	1.568	2.500	9.6	18.6
11 27	4 7.09	+26 31.6	1.565	2.549	2.1	20.8	11 27	4 7.38	- 3 18.8	1.578	2.510	9.4	18.6
12 7	3 55.41	+26 12.3	1.601	2.568	5.3	21.0	12 7	3 58.61	- 3 4.8	1.613	2.520	11.0	18.7
12 17	3 45.53	+25 48.3	1.666	2.587	9.6	21.3	12 17	3 51.21	- 2 26.1	1.672	2.530	13.5	18.9
12 27	3 38.41	+25 24.9	1.755	2.605	13.3	21.6	12 27	3 45.99	- 1 26.1	1.753	2.540	16.1	19.1
477337	2009 <i>TU</i> ₄₆	11 26.1 6°92' 4.0°/27.5 18					127461	2002 <i>QV</i> ₄₉	11 26.1 164°22' 3.2°/28.0 17				
10 18	4 32.55	+29 16.4	1.069	1.897	22.4	20.2	10 18	4 37.12	+33 5.0	2.948	3.684	11.7	21.2
10 28	4 31.36	+29 34.7	1.005	1.898	18.2	19.9	10 28	4 32.06	+33 23.2	2.856	3.689	9.6	21.0
11 7	4 26.07	+29 36.9	0.958	1.899	13.2	19.7	11 7	4 25.04	+33 32.5	2.786	3.693	7.2	20.9
11 17	4 17.48	+29 19.8	0.930	1.903	7.7	19.4	11 17	4 16.57	+33 31.0	2.743	3.696	4.7	20.7
11 27	4 7.24	+28 43.1	0.925	1.908	4.0	19.2	11 27	4 7.37	+33 18.0	2.729	3.700	3.2	20.6
12 7	3 57.44	+27 51.8	0.943	1.914	7.2	19.4	12 7	3 58.31	+32 54.8	2.746	3.702	4.3	20.7
12 17	3 49.93	+26 54.2	0.984	1.922	12.5	19.7	12 17	3 50.19	+32 23.9	2.793	3.705	6.6	20.9
12 27	3 45.99	+26 0.1	1.046	1.932	17.3	20.0	12 27	3 43.70	+31 49.1	2.868	3.707	9.0	21.0
485125	2010 <i>LM</i> ₁₀₉	11 26.1 209°72' 4.6°/22.9 18					316012	2009 <i>FE</i> ₁₇	11 26.1 202°04' 10.3°/21.5 17				
10 18	4 37.40	+14 24.2	2.076	2.863	14.4	21.3	10 18	4 39.86	- 3 39.5	1.878	2.644	16.4	21.9
10 28	4 32.62												

EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
120728	1997 <i>SG</i> ₃₂		11 26.1	38°76	3°1/25.1	18	107944	2001 <i>FU</i> ₁₁₅		11 26.1	171°88	0°9/26.6	18
10 18	4 36.78	+15 33.5	1.410	2.226	18.6	19.4	10 18	4 38.48	+25 3.2	2.316	3.084	13.6	21.4
10 28	4 33.21	+15 4.8	1.343	2.232	14.7	19.2	10 28	4 33.45	+24 55.2	2.226	3.088	10.8	21.2
11 7	4 26.53	+14 34.2	1.296	2.240	10.2	19.0	11 7	4 26.15	+24 39.8	2.159	3.090	7.5	21.0
11 17	4 17.46	+14 4.6	1.272	2.248	5.4	18.7	11 17	4 17.16	+24 16.6	2.119	3.092	3.9	20.7
11 27	4 7.29	+13 39.8	1.274	2.256	3.3	18.6	11 27	4 7.34	+23 46.7	2.108	3.094	0.9	20.5
12 7	3 57.48	+13 23.6	1.302	2.264	7.1	18.9	12 7	3 57.71	+23 12.5	2.128	3.095	4.2	20.8
12 17	3 49.38	+13 18.9	1.356	2.273	11.7	19.2	12 17	3 49.23	+22 37.4	2.177	3.096	7.8	21.0
12 27	3 43.98	+13 27.4	1.432	2.282	15.7	19.4	12 27	3 42.66	+22 5.4	2.253	3.096	11.0	21.2
517550	2014 <i>SV</i> ₃₃₀		11 26.1	120°29	4°2/28.3	18	137453	1999 <i>TL</i> ₂₈₃		11 26.1	39°86	4°5/24.6	18
10 18	4 40.31	+35 1.3	2.799	3.525	12.5	21.5	10 18	4 36.41	+14 38.0	1.207	2.035	20.4	19.7
10 28	4 34.69	+35 41.0	2.718	3.540	10.3	21.4	10 28	4 33.25	+13 42.7	1.150	2.046	16.1	19.4
11 7	4 26.91	+36 11.1	2.659	3.556	7.9	21.2	11 7	4 26.68	+12 45.0	1.112	2.058	11.2	19.2
11 17	4 17.49	+36 28.6	2.627	3.570	5.5	21.1	11 17	4 17.55	+11 50.2	1.096	2.070	6.4	19.0
11 27	4 7.29	+36 32.2	2.624	3.585	4.2	21.0	11 27	4 7.31	+11 4.5	1.104	2.083	4.8	18.9
12 7	3 57.25	+36 22.3	2.651	3.599	5.0	21.1	12 7	3 57.61	+10 33.6	1.138	2.096	8.5	19.2
12 17	3 48.30	+36 1.6	2.708	3.612	7.1	21.3	12 17	3 49.87	+10 20.9	1.195	2.110	13.1	19.5
12 27	3 41.19	+35 34.1	2.792	3.625	9.4	21.4	12 27	3 45.08	+10 27.1	1.274	2.125	17.3	19.8
489154	2006 <i>EN</i> ₁₁		11 26.1	217°42	6°4/22.3	17	262583	2006 <i>VQ</i> ₇₈		11 26.1	178°80	1°2/25.8	18
10 18	4 31.97	+ 2 25.1	2.479	3.258	12.6	21.8	10 18	4 40.79	+17 57.1	1.642	2.437	17.3	20.6
10 28	4 28.01	+ 1 18.3	2.400	3.255	10.4	21.6	10 28	4 36.16	+17 58.1	1.560	2.438	13.7	20.4
11 7	4 22.27	+ 0 16.5	2.344	3.253	8.2	21.5	11 7	4 28.52	+17 56.8	1.499	2.439	9.4	20.1
11 17	4 15.21	- 0 35.7	2.314	3.250	6.7	21.4	11 17	4 18.48	+17 53.7	1.462	2.439	4.7	19.9
11 27	4 7.51	- 1 13.9	2.312	3.246	6.6	21.4	11 27	4 7.21	+17 50.0	1.453	2.439	1.4	19.6
12 7	3 59.94	- 1 35.1	2.338	3.243	8.1	21.5	12 7	3 56.13	+17 47.7	1.473	2.438	5.9	19.9
12 17	3 53.24	- 1 38.3	2.391	3.240	10.3	21.6	12 17	3 46.57	+17 49.5	1.519	2.438	10.5	20.2
12 27	3 48.03	- 1 23.8	2.467	3.236	12.4	21.8	12 27	3 39.59	+17 57.9	1.590	2.437	14.6	20.5
228715	2002 <i>RH</i> ₂₅₈		11 26.1	197°80	0°1/26.1	17	445206	2009 <i>DH</i> ₁₀₀		11 26.1	259°27	2°1/26.9	15
10 18	4 34.04	+21 36.3	2.737	3.510	11.6	21.5	10 18	4 39.02	+26 34.6	2.079	2.850	14.9	22.0
10 28	4 29.61	+21 27.1	2.642	3.508	9.2	21.3	10 28	4 34.52	+26 54.3	1.973	2.834	12.0	21.8
11 7	4 23.36	+21 13.5	2.571	3.506	6.3	21.2	11 7	4 27.33	+27 7.0	1.889	2.817	8.6	21.5
11 17	4 15.75	+20 55.9	2.527	3.503	3.1	20.9	11 17	4 17.93	+27 10.7	1.830	2.801	4.8	21.3
11 27	4 7.46	+20 35.3	2.514	3.500	0.3	20.7	11 27	4 7.26	+27 4.5	1.800	2.783	2.1	21.0
12 7	3 59.27	+20 13.8	2.531	3.497	3.7	21.0	12 7	3 56.52	+26 49.5	1.799	2.766	4.9	21.2
12 17	3 51.94	+19 53.4	2.578	3.494	6.9	21.2	12 17	3 46.94	+26 28.6	1.827	2.748	8.9	21.4
12 27	3 46.11	+19 36.8	2.652	3.490	9.7	21.4	12 27	3 39.55	+26 6.4	1.881	2.730	12.6	21.6
328650	2009 <i>SR</i> ₂₃₈		11 26.1	55°02	3°6/25.3	18	99848	2002 <i>NY</i> ₄₉		11 26.1	53°56	0°9/25.7	18
10 18	4 41.29	+13 25.3	1.251	2.067	20.5	20.4	10 18	4 34.45	+19 34.0	2.101	2.891	14.1	19.7
10 28	4 36.78	+13 12.6	1.203	2.092	16.1	20.2	10 28	4 30.32	+19 19.5	2.030	2.905	11.1	19.5
11 7	4 28.88	+13 1.8	1.173	2.116	11.1	20.0	11 7	4 24.00	+19 1.1	1.981	2.920	7.5	19.4
11 17	4 18.53	+12 55.4	1.166	2.141	6.0	19.8	11 17	4 16.09	+18 39.8	1.958	2.935	3.7	19.1
11 27	4 7.21	+12 56.2	1.185	2.166	3.7	19.7	11 27	4 7.46	+18 17.5	1.964	2.949	1.0	19.0
12 7	3 56.57	+13 6.2	1.230	2.192	7.5	20.0	12 7	3 59.12	+17 56.8	1.999	2.964	4.6	19.3
12 17	3 48.02	+13 26.6	1.300	2.217	12.1	20.3	12 17	3 51.96	+17 40.3	2.062	2.980	8.2	19.5
12 27	3 42.46	+13 57.4	1.392	2.243	16.1	20.6	12 27	3 46.68	+17 30.3	2.151	2.995	11.4	19.7
329618	2003 <i>ON</i> ₂₁		11 26.1	105°65	0°4/26.3	15	442701	2012 <i>UH</i> ₁₁₅		11 26.1	105°71	0°2/26.2	18
10 18	4 44.31	+22 56.1	1.547	2.335	18.4	21.7	10 18	4 40.41	+23 8.4	1.785	2.571	16.5	21.9
10 28	4 38.86	+22 53.6	1.482	2.356	14.6	21.5	10 28	4 35.42	+22 53.6	1.715	2.587	13.0	21.7
11 7	4 30.21	+22 43.6	1.438	2.375	10.0	21.3	11 7	4 27.68	+22 31.2	1.666	2.602	8.9	21.5
11 17	4 19.18	+22 25.6	1.418	2.394	4.9	21.1	11 17	4 17.93	+22 1.5	1.642	2.618	4.4	21.3
11 27	4 7.14	+22 0.8	1.426	2.413	0.6	20.8	11 27	4 7.29	+21 26.3	1.646	2.633	0.4	21.0
12 7	3 55.64	+21 32.7	1.463	2.431	5.5	21.2	12 7	3 57.07	+20 49.3	1.680	2.647	5.0	21.4
12 17	3 46.03	+21 5.8	1.526	2.448	10.2	21.5	12 17	3 48.41	+20 14.6	1.741	2.662	9.3	21.6
12 27	3 39.26	+20 44.9	1.614	2.465	14.2	21.8	12 27	3 42.16	+19 46.6	1.828	2.675	13.0	21.9
62424	2000 <i>SX</i> ₁₈₄		11 26.1	310°86	6°5/23.2	18	195200	2002 <i>CA</i> ₂₉₅		11 26.1	278°77	1°8/26.7	18
10 18	4 33.73	+ 4 14.5	2.082	2.870	14.3	19.0	10 18	4 39.41	+24 18.2	1.701	2.490	17.0	20.5
10 28	4 29.74	+ 3 20.1	2.005	2.870	11.7	18.8	10 28	4 35.35	+24 44.8	1.607	2.480	13.7	20.3
11 7	4 23.63	+ 2 31.1	1.951	2.870	9.0	18.6	11 7	4 28.17	+25 5.7	1.534	2.469	9.7	20.0
11 17	4 15.92	+ 1 52.2	1.922	2.869	6.9	18.5	11 17	4 18.43	+25 19.0	1.486	2.459	5.2	19.7
11 27	4 7.45	+ 1 27.8	1.921	2.869	6.6	18.5	11 27	4 7.22	+25 23.2	1.464	2.449	1.8	19.5
12 7	3 59.15	+ 1 20.9	1.947	2.869	8.4	18.6	12 7	3 56.00	+25 19.5	1.471	2.439	5.5	19.7
12 17	3 51.92	+ 1 32.4	1.999	2.869	11.0	18.8	12 17	3 46.21	+25 10.7	1.504	2.429	10.1	20.0
12 27	3 46.47	+ 2 1.2	2.075	2.869	13.7	19.0	12 27	3 39.04	+25 1.7	1.562	2.418	14.3	20.2
469305	1998 <i>YM</i> ₁₉		11 26.1	18°81	1°5/25.8	16	24227	1999 <i>XU</i> ₈₆		11 26.1	24°20	2°5/27.4	18
10 18	4 33.13	+18 2.2	0.966	1.815	22.7	20.4	10 18	4 35.03	+29 40.9	2.033	2.807	15.1	18.1
10 28	4 31.54	+18 5.6	0.917	1.825	17.9	20.2	10 28	4 31.18	+29 35.7	1.950	2.811	12.2	17.9
11 7	4 25.97	+18 6.0	0.885	1.838	12.3	19.9	11 7	4 24.81	+29 19.1	1.888	2.815	8.7	17.7
11 17	4 17.34	+18 4.8	0.872	1.852	6.0	19.6	11 17	4 16.56	+28 50.1	1.851	2.819	5.0	17.5
11 27	4 7.32	+18 4.0	0.882	1.868	1.7	19.4	11 27	4 7.42	+28 9.5	1.842	2.823	2.5	17.4
12 7	3 57.91	+18 6.7	0.915	1.886	7.3	19.8	12 7	3 58.54	+27 20.5	1.861	2.828	4.7	17.5
12 17	3 50.80	+18 15.9	0.970	1.905	13.0	20.2	12 17	3 50.97	+26 27.7	1.909	2.833	8.3	17.7
12 27	3 47.13	+18 33.8	1.045	1.926	17.8	20.5	12 27	3 45.54	+25 36.5	1.983	2.839	11.7	18.0
152041	2004 <i>PA</i> ₁₃		11 26.1	146°35	0°1/26.1	18	287917						

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
177543	2004 <i>FM</i> ₆₃		11 26.1 203°44	2°5/24.9	18		194775	2001 <i>YD</i> ₇₀		11 26.2 3°00	4°0/27.7	18	
10 18	4 35.58	+15 6.7	2.284	3.069	13.3	20.9	10 18	4 36.61	+30 22.2	1.369	2.169	19.9	20.4
10 28	4 31.12	+14 37.5	2.194	3.066	10.5	20.7	10 28	4 33.84	+30 40.2	1.294	2.168	16.2	20.1
11 7	4 24.55	+14 6.6	2.126	3.063	7.3	20.5	11 7	4 27.44	+30 43.8	1.236	2.168	11.8	19.9
11 17	4 16.40	+13 35.9	2.086	3.059	4.0	20.3	11 17	4 18.13	+30 29.9	1.200	2.168	7.2	19.6
11 27	4 7.44	+13 8.2	2.075	3.055	2.6	20.2	11 27	4 7.33	+29 57.5	1.189	2.169	4.0	19.4
12 7	3 58.62	+12 46.0	2.093	3.050	5.3	20.4	12 7	3 56.84	+29 10.0	1.204	2.171	6.6	19.6
12 17	3 50.80	+12 31.9	2.141	3.046	8.7	20.6	12 17	3 48.28	+28 14.4	1.244	2.174	11.2	19.9
12 27	3 44.73	+12 27.6	2.214	3.041	11.8	20.8	12 27	3 42.88	+27 19.3	1.306	2.177	15.5	20.1
376214	2011 <i>DN</i> ₃₅		11 26.1 229°40	0°7/25.7	17		442400	2011 <i>UQ</i> ₅₄		11 26.2 36°85	0°5/26.3	18	
10 18	4 33.60	+19 38.6	2.714	3.491	11.6	22.5	10 18	4 36.84	+22 33.1	1.688	2.485	16.8	21.3
10 28	4 29.31	+19 23.5	2.615	3.484	9.2	22.3	10 28	4 32.97	+22 36.9	1.613	2.491	13.3	21.1
11 7	4 23.20	+19 4.7	2.540	3.476	6.3	22.1	11 7	4 26.26	+22 34.5	1.559	2.498	9.2	20.9
11 17	4 15.71	+18 43.0	2.492	3.468	3.1	21.9	11 17	4 17.38	+22 25.5	1.529	2.505	4.6	20.6
11 27	4 7.51	+18 20.0	2.474	3.460	0.8	21.7	11 27	4 7.43	+22 11.0	1.526	2.513	0.6	20.3
12 7	3 59.39	+17 57.7	2.487	3.451	3.9	21.9	12 7	3 57.76	+21 53.3	1.551	2.520	5.1	20.7
12 17	3 52.10	+17 38.2	2.529	3.442	7.1	22.1	12 17	3 49.59	+21 36.1	1.604	2.529	9.6	21.0
12 27	3 46.28	+17 23.9	2.598	3.433	10.0	22.3	12 27	3 43.86	+21 23.2	1.681	2.537	13.4	21.2
484596	2008 <i>RB</i> ₁₂₈		11 26.1 85°69	4°6/23.8	18		199113	2005 <i>YO</i> ₅₆		11 26.2 261°34	0°8/25.9	18	
10 18	4 33.11	+ 8 33.6	2.299	3.087	13.1	21.5	10 18	4 38.32	+19 43.6	1.811	2.603	16.0	20.8
10 28	4 28.99	+ 7 47.7	2.226	3.096	10.5	21.4	10 28	4 34.17	+19 37.3	1.713	2.589	12.8	20.6
11 7	4 22.97	+ 7 4.2	2.176	3.105	7.7	21.2	11 7	4 27.20	+19 26.7	1.636	2.575	8.8	20.3
11 17	4 15.57	+ 6 26.8	2.153	3.113	5.3	21.1	11 17	4 17.93	+19 12.2	1.583	2.560	4.4	20.0
11 27	4 7.53	+ 5 58.8	2.158	3.122	4.7	21.0	11 27	4 7.37	+18 55.0	1.559	2.545	0.9	19.7
12 7	3 59.71	+ 5 42.9	2.193	3.130	6.6	21.2	12 7	3 56.80	+18 37.8	1.563	2.530	5.5	20.0
12 17	3 52.89	+ 5 40.5	2.254	3.138	9.3	21.4	12 17	3 47.50	+18 23.9	1.595	2.514	10.1	20.3
12 27	3 47.69	+ 5 51.6	2.341	3.147	11.9	21.6	12 27	3 40.52	+18 16.6	1.652	2.499	14.1	20.5
266009	2006 <i>EH</i> ₂₄		11 26.1 327°76	0°4/25.9	17		133718	2003 <i>UY</i> ₂₅₆		11 26.2 354°33	0°0/26.2	17	
10 18	4 33.18	+21 5.1	1.906	2.704	15.1	21.7	10 18	4 38.30	+18 39.7	2.224	3.003	13.8	19.3
10 28	4 29.89	+20 53.9	1.813	2.693	12.0	21.5	10 28	4 33.50	+19 15.2	2.134	3.003	10.9	19.1
11 7	4 24.08	+20 37.0	1.742	2.682	8.3	21.2	11 7	4 26.36	+19 50.6	2.066	3.002	7.5	18.9
11 17	4 16.29	+20 15.2	1.695	2.672	4.1	20.9	11 17	4 17.39	+20 24.7	2.025	3.001	3.7	18.7
11 27	4 7.45	+19 50.1	1.676	2.662	0.6	20.7	11 27	4 7.43	+20 56.8	2.014	3.001	0.3	18.4
12 7	3 58.69	+19 24.6	1.685	2.653	5.0	21.0	12 7	3 57.51	+21 26.9	2.033	3.000	4.4	18.7
12 17	3 51.11	+19 2.1	1.722	2.645	9.2	21.2	12 17	3 48.65	+21 55.5	2.082	3.000	8.1	18.9
12 27	3 45.61	+18 46.1	1.784	2.636	13.0	21.4	12 27	3 41.68	+22 24.1	2.157	3.000	11.4	19.2
241586	1997 <i>LT</i> ₁		11 26.1 72°66	5°0/23.7	18		213968	2003 <i>YS</i> ₁₁₁		11 26.2 294°60	0°9/26.4	17	
10 18	4 34.79	+11 30.9	1.811	2.612	15.6	20.7	10 18	4 39.43	+21 16.7	1.810	2.599	16.1	20.7
10 28	4 30.92	+10 23.3	1.736	2.615	12.5	20.5	10 28	4 35.40	+21 49.1	1.699	2.572	13.0	20.5
11 7	4 24.60	+ 9 14.9	1.682	2.618	9.0	20.3	11 7	4 28.34	+22 20.0	1.608	2.544	9.2	20.2
11 17	4 16.46	+ 8 10.5	1.654	2.620	5.8	20.1	11 17	4 18.65	+22 47.7	1.542	2.517	4.7	19.8
11 27	4 7.46	+ 7 15.7	1.654	2.623	5.2	20.1	11 27	4 7.29	+23 11.0	1.504	2.490	0.9	19.5
12 7	3 58.71	+ 6 35.2	1.682	2.625	7.7	20.3	12 7	3 55.61	+23 29.4	1.494	2.462	5.4	19.8
12 17	3 51.25	+ 6 11.9	1.736	2.628	11.2	20.5	12 17	3 45.04	+23 44.5	1.512	2.435	10.2	20.0
12 27	3 45.87	+ 6 6.9	1.813	2.631	14.4	20.7	12 27	3 36.88	+23 59.3	1.555	2.408	14.6	20.2
156364	2001 <i>XG</i> ₂₃₃		11 26.1 7°04	0°9/26.4	18		299643	2006 <i>KE</i> ₆₁		11 26.2 143°22	2°4/24.8	18	
10 18	4 33.96	+23 25.6	1.191	2.019	20.6	19.9	10 18	4 37.40	+16 57.1	2.194	2.977	13.8	21.9
10 28	4 31.89	+23 30.5	1.124	2.019	16.5	19.7	10 28	4 32.48	+16 6.0	2.115	2.987	10.9	21.7
11 7	4 26.15	+23 26.5	1.074	2.020	11.5	19.4	11 7	4 25.42	+15 10.9	2.060	2.996	7.5	21.5
11 17	4 17.49	+23 12.8	1.045	2.023	5.8	19.1	11 17	4 16.81	+14 14.4	2.032	3.005	4.0	21.3
11 27	4 7.35	+22 50.7	1.041	2.027	1.0	18.8	11 27	4 7.51	+13 20.3	2.033	3.014	2.6	21.2
12 7	3 57.55	+22 24.1	1.061	2.032	6.4	19.2	12 7	3 58.48	+12 32.4	2.065	3.022	5.4	21.4
12 17	3 49.74	+21 58.5	1.105	2.039	11.9	19.5	12 17	3 50.62	+11 54.1	2.126	3.029	8.8	21.6
12 27	3 45.11	+21 39.3	1.170	2.046	16.6	19.8	12 27	3 44.63	+11 27.9	2.212	3.036	11.9	21.9
154452	2003 <i>CO</i> ₁₀		11 26.2 248°11	1°8/25.4	18		102641	1999 <i>VV</i> ₃₉		11 26.2 343°09	2°1/26.6	18	
10 18	4 38.34	+17 59.4	1.844	2.637	15.8	21.1	10 18	4 29.64	+23 23.0	1.140	1.978	20.7	18.9
10 28	4 34.05	+17 36.2	1.746	2.623	12.5	20.9	10 28	4 29.04	+23 57.9	1.057	1.958	16.8	18.6
11 7	4 27.01	+17 8.6	1.670	2.609	8.7	20.6	11 7	4 24.69	+24 27.3	0.991	1.939	11.9	18.2
11 17	4 17.78	+16 38.1	1.618	2.594	4.4	20.3	11 17	4 17.07	+24 48.8	0.945	1.923	6.3	17.9
11 27	4 7.33	+16 7.3	1.595	2.579	2.0	20.1	11 27	4 7.47	+25 1.0	0.923	1.908	2.1	17.6
12 7	3 56.91	+15 39.6	1.601	2.564	5.8	20.3	12 7	3 57.77	+25 4.5	0.923	1.895	6.9	17.8
12 17	3 47.73	+15 18.7	1.634	2.548	10.2	20.6	12 17	3 49.87	+25 3.0	0.946	1.885	12.7	18.1
12 27	3 40.80	+15 7.7	1.692	2.532	14.2	20.8	12 27	3 45.35	+25 1.9	0.990	1.876	17.9	18.4
515136	2011 <i>GB</i> ₆₂		11 26.2 287°66	3°6/25.8	18		511081	2013 <i>TC</i> ₈₁		11 26.2 54°33	3°1/27.3	18	
10 18	4 46.62	+ 9 24.8	1.586	2.372	18.2	21.6	10 18	4 41.04	+28 23.8	1.251	2.055	21.2	21.0
10 28	4 41.59	+ 9 59.1	1.471	2.340	14.9	21.3	10 28	4 37.31	+28 36.0	1.190	2.069	17.0	20.8
11 7	4 32.98	+10 44.4	1.375	2.308	10.8	21.0	11 7	4 29.72	+28 34.5	1.147	2.083	12.1	20.5
11 17	4 21.12	+11 42.4	1.305	2.276	6.2	20.6	11 17	4 19.18	+28 16.7	1.126	2.098	6.8	20.3
11 27	4 7.01	+12 53.2	1.262	2.243	3.6	20.4	11 27	4 7.32	+27 42.6	1.130	2.113	3.1	20.1
12 7	3 52.23	+14 15.1	1.249	2.210	7.5	20.5	12 7	3 56.05	+26 56.8	1.159	2.128	6.5	20.4
12 17	3 38.57	+15 45.2	1.264	2.176	12.8	20.8	12 17	3 47.05	+26 6.6	1.214	2.144	11.4	20.7
12 27	3 27.66	+17 21.1	1.304	2.142	17.7	21.0	12 27	3 41.43	+25 20.2	1.291	2.160	15.8	21.0
9124	1998 <i>FR</i> ₆₀		11 26.2 12°58	0°7/26.4	18		22580						

EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
145966	1999 YM ₁₆	11 26.2 318°33	4.4/28.0 18				56048	1998 XV ₃₉	11 26.2 296°69	4.4/27.4 18			
10 18	4 37.45	+32 38.2	1.388	2.180	20.0	20.2	10 18	4 40.68	+29 29.5	1.557	2.341	18.5	19.0
10 28	4 34.67	+32 38.4	1.301	2.170	16.5	19.9	10 28	4 36.93	+30 17.1	1.468	2.332	15.2	18.7
11 7	4 28.15	+32 20.2	1.232	2.160	12.3	19.7	11 7	4 29.63	+30 55.8	1.398	2.324	11.2	18.5
11 17	4 18.57	+31 40.2	1.185	2.151	7.6	19.4	11 17	4 19.36	+31 20.9	1.351	2.315	7.0	18.2
11 27	4 7.36	+30 37.6	1.163	2.142	4.4	19.2	11 27	4 7.35	+31 28.9	1.330	2.307	4.4	18.0
12 7	3 56.37	+29 17.2	1.166	2.134	6.8	19.3	12 7	3 55.33	+31 20.0	1.336	2.299	6.7	18.1
12 17	3 47.34	+27 48.1	1.195	2.126	11.5	19.5	12 17	3 44.99	+30 58.0	1.368	2.291	11.0	18.4
12 27	3 41.56	+26 21.3	1.247	2.118	16.1	19.8	12 27	3 37.68	+30 30.1	1.423	2.283	15.2	18.6
139607	2001 QZ ₁₂₇	11 26.2 54°10	4.0/24.3 18				414965	2011 CQ ₁₅	11 26.2 332°39	2°1/26.9 16			
10 18	4 35.20	+13 56.0	1.699	2.504	16.3	19.7	10 18	4 34.77	+26 19.5	1.924	2.710	15.4	21.5
10 28	4 31.28	+12 56.4	1.637	2.520	12.9	19.5	10 28	4 31.32	+26 36.4	1.831	2.700	12.4	21.3
11 7	4 24.84	+11 55.1	1.596	2.536	9.0	19.3	11 7	4 25.20	+26 45.8	1.759	2.692	8.8	21.1
11 17	4 16.58	+10 56.6	1.581	2.552	5.3	19.2	11 17	4 16.97	+26 46.2	1.711	2.683	4.9	20.8
11 27	4 7.57	+10 5.9	1.593	2.568	4.2	19.1	11 27	4 7.58	+26 37.0	1.691	2.675	2.1	20.6
12 7	3 58.96	+9 27.4	1.633	2.585	7.1	19.3	12 7	3 58.24	+26 19.9	1.699	2.667	4.9	20.8
12 17	3 51.77	+9 4.1	1.699	2.602	10.7	19.6	12 17	3 50.14	+25 58.3	1.735	2.660	8.9	21.0
12 27	3 46.79	+8 57.1	1.789	2.618	14.0	19.9	12 27	3 44.25	+25 36.5	1.796	2.654	12.6	21.2
15547	2000 ET ₉₁	11 26.2 90°50	1.9/26.9 18				265113	2003 TS ₃₈	11 26.2 124°24	3.7/28.1 17			
10 18	4 43.67	+26 31.4	1.338	2.134	20.4	18.2	10 18	4 37.34	+33 10.6	2.450	3.197	13.5	21.1
10 28	4 39.04	+26 31.2	1.275	2.150	16.3	18.0	10 28	4 32.71	+33 30.1	2.362	3.201	11.1	20.9
11 7	4 30.73	+26 19.1	1.230	2.166	11.4	17.7	11 7	4 25.78	+33 39.2	2.296	3.206	8.3	20.7
11 17	4 19.63	+25 53.5	1.208	2.182	6.0	17.5	11 17	4 17.11	+33 35.6	2.256	3.210	5.5	20.5
11 27	4 7.30	+25 15.2	1.212	2.197	1.9	17.3	11 27	4 7.58	+33 18.5	2.243	3.215	3.7	20.4
12 7	3 55.57	+24 29.0	1.243	2.212	6.1	17.6	12 7	3 58.22	+32 49.4	2.261	3.219	4.9	20.5
12 17	3 46.02	+23 41.7	1.299	2.227	11.1	17.9	12 17	3 50.01	+32 11.6	2.307	3.223	7.6	20.7
12 27	3 39.71	+23 0.3	1.379	2.241	15.5	18.2	12 27	3 43.74	+31 30.0	2.380	3.227	10.4	20.9
326086	2011 BR ₅₂	11 26.2 62°76	3.0/25.1 18				451737	2013 EH ₂₅	11 26.2 54°28	3.0/27.3 18			
10 18	4 35.93	+11 48.1	2.154	2.942	13.9	20.4	10 18	4 38.60	+28 35.0	1.868	2.643	16.2	21.1
10 28	4 31.42	+11 43.5	2.080	2.952	11.0	20.2	10 28	4 34.32	+29 0.6	1.788	2.649	13.1	20.9
11 7	4 24.77	+11 41.1	2.029	2.963	7.7	20.0	11 7	4 27.22	+29 17.1	1.728	2.655	9.4	20.7
11 17	4 16.55	+11 42.7	2.004	2.974	4.4	19.9	11 17	4 17.91	+29 21.9	1.694	2.661	5.6	20.5
11 27	4 7.58	+11 49.8	2.007	2.985	3.1	19.8	11 27	4 7.51	+29 14.1	1.687	2.667	3.0	20.4
12 7	3 58.83	+12 3.7	2.040	2.996	5.5	20.0	12 7	3 57.33	+28 55.3	1.708	2.673	5.3	20.5
12 17	3 51.19	+12 25.1	2.102	3.007	8.8	20.2	12 17	3 48.59	+28 29.3	1.757	2.680	9.0	20.8
12 27	3 45.36	+12 54.3	2.189	3.019	11.8	20.4	12 27	3 42.28	+28 1.4	1.831	2.686	12.6	21.0
257766	2000 CN ₄₁	11 26.2 350°86	8.4/22.9 18				405698	2005 UO ₄₁₈	11 26.2 36°19	1.4/25.6 17			
10 18	4 31.98	+0 13.5	1.840	2.633	15.7	19.6	10 18	4 34.93	+18 36.7	1.878	2.676	15.3	21.9
10 28	4 28.74	+0 44.2	1.767	2.629	13.2	19.4	10 28	4 31.10	+18 18.5	1.802	2.681	12.1	21.6
11 7	4 23.17	+0 32.7	1.715	2.624	10.6	19.2	11 7	4 24.80	+17 56.4	1.746	2.687	8.3	21.4
11 17	4 15.84	+0 2.9	1.686	2.621	8.8	19.1	11 17	4 16.66	+17 32.0	1.717	2.693	4.1	21.2
11 27	4 7.64	+0 18.5	1.683	2.618	8.6	19.1	11 27	4 7.63	+17 7.5	1.715	2.700	1.5	21.0
12 7	3 59.61	+0 2.9	1.706	2.616	10.2	19.2	12 7	3 58.85	+16 45.9	1.741	2.707	5.2	21.3
12 17	3 52.72	+0 34.0	1.753	2.614	12.8	19.4	12 17	3 51.34	+16 30.1	1.796	2.714	9.2	21.6
12 27	3 47.78	+0 39.4	1.822	2.613	15.4	19.5	12 27	3 45.93	+16 22.6	1.875	2.721	12.7	21.8
287405	2002 VX ₁₁₀	11 26.2 31°75	4.7/28.3 18				31343	1998 NT	11 26.2 35°88	24.7/22.9 17 R			
10 18	4 38.10	+33 37.5	1.676	2.449	17.9	20.2	10 18	4 44.01	+28 56.7	1.177	1.882	27.4	18.4
10 28	4 34.36	+33 55.0	1.600	2.455	14.7	20.0	10 28	4 39.62	+31 0.2	1.147	1.884	26.2	18.3
11 7	4 27.42	+33 57.6	1.543	2.461	11.0	19.8	11 7	4 31.26	+32 21.7	1.128	1.886	25.3	18.2
11 17	4 18.03	+33 41.8	1.509	2.467	7.2	19.6	11 17	4 19.93	+32 47.1	1.121	1.888	24.8	18.2
11 27	4 7.45	+33 6.7	1.501	2.474	4.8	19.5	11 27	4 7.35	+32 7.1	1.126	1.890	24.7	18.2
12 7	3 57.22	+32 15.4	1.520	2.482	6.3	19.6	12 7	3 55.48	+30 21.2	1.145	1.892	25.2	18.2
12 17	3 48.73	+31 14.2	1.566	2.490	9.9	19.8	12 17	3 45.97	+27 37.1	1.178	1.895	26.1	18.3
12 27	3 43.00	+30 10.8	1.636	2.498	13.5	20.0	12 27	3 39.92	+24 8.4	1.225	1.898	27.2	18.4
292891	2006 VQ ₃₄	11 26.2 7°40	0.0/26.2 18				263347	2008 CS ₁₁₀	11 26.2 53°53	2.8/25.2 18			
10 18	4 32.86	+26 12.7	1.483	2.291	18.2	19.7	10 18	4 36.43	+14 0.6	1.854	2.651	15.5	20.3
10 28	4 30.22	+25 12.7	1.408	2.292	14.5	19.5	10 28	4 32.26	+13 47.4	1.778	2.657	12.3	20.1
11 7	4 24.54	+23 57.1	1.352	2.294	10.0	19.2	11 7	4 25.59	+13 34.4	1.724	2.663	8.5	19.9
11 17	4 16.58	+22 28.0	1.320	2.297	4.9	18.9	11 17	4 17.05	+13 23.7	1.695	2.669	4.6	19.7
11 27	4 7.59	+20 50.8	1.315	2.301	0.4	18.6	11 27	4 7.60	+13 17.6	1.694	2.675	2.9	19.6
12 7	3 59.00	+19 13.5	1.337	2.306	5.7	19.0	12 7	3 58.38	+13 18.1	1.722	2.681	5.9	19.8
12 17	3 52.08	+17 44.7	1.386	2.312	10.6	19.3	12 17	3 50.43	+13 26.9	1.777	2.688	9.8	20.0
12 27	3 47.75	+16 31.2	1.458	2.319	14.8	19.6	12 27	3 44.60	+13 44.9	1.856	2.694	13.2	20.3
65392	2002 RH ₂₈	11 26.2 356°97	2.2/26.7 18				157739	2006 BG ₁₈₉	11 26.2 81°01	0.1/26.1 18			
10 18	4 39.58	+23 32.9	1.330	2.139	19.9	18.9	10 18	4 35.38	+21 6.3	2.282	3.063	13.4	20.4
10 28	4 36.25	+24 15.7	1.253	2.137	16.0	18.6	10 28	4 31.03	+21 4.8	2.200	3.071	10.6	20.2
11 7	4 29.22	+24 53.7	1.195	2.135	11.3	18.3	11 7	4 24.55	+20 59.1	2.142	3.078	7.2	20.0
11 17	4 19.14	+25 23.8	1.159	2.134	6.0	18.0	11 17	4 16.48	+20 49.5	2.110	3.086	3.5	19.8
11 27	4 7.37	+25 43.7	1.149	2.134	2.2	17.8	11 27	4 7.66	+20 36.9	2.107	3.094	0.4	19.6
12 7	3 55.72	+25 53.6	1.165	2.134	6.4	18.1	12 7	3 59.02	+20 23.3	2.134	3.102	4.2	19.9
12 17	3 45.96	+25 56.6	1.205	2.135	11.6	18.4	12 17	3 51.46	+20 11.0	2.190	3.109	7.7	20.1
12 27	3 39.41	+25 57.9	1.269	2.136	16.2	18.6	12 27	3 45.70	+20 2.6	2.272	3.117	10.9	20.3
201456	2003 FX ₇₉	11 26.2 84°40	1.2/25.7 18				199534	2006 DM ₁₉₈	11 26.2 183°29	0.8/25.7 17			
10 18													

EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
118599	2000 GZ ₁₀₃		11 26.2 200°71	0°2/26.3	18		169240	2001 SN ₈₃		11 26.2 356°83	1°8/26.9	18	
10 18	4 40.59	+22 8.3	1.923	2.703	15.6	20.2	10 18	4 35.29	+26 36.8	1.680	2.474	17.0	20.2
10 28	4 35.73	+22 8.9	1.832	2.701	12.4	20.0	10 28	4 32.00	+26 34.5	1.597	2.472	13.6	20.0
11 7	4 28.13	+22 3.8	1.762	2.697	8.6	19.8	11 7	4 25.78	+26 21.8	1.535	2.470	9.6	19.7
11 17	4 18.38	+21 52.7	1.718	2.693	4.3	19.5	11 17	4 17.28	+25 57.9	1.496	2.469	5.2	19.5
11 27	4 7.49	+21 36.3	1.702	2.689	0.4	19.2	11 27	4 7.63	+25 23.6	1.484	2.469	1.8	19.2
12 7	3 56.72	+21 16.8	1.716	2.684	4.9	19.5	12 7	3 58.19	+24 42.3	1.500	2.469	5.2	19.5
12 17	3 47.27	+20 57.5	1.758	2.678	9.3	19.8	12 17	3 50.24	+23 59.0	1.542	2.469	9.7	19.7
12 27	3 40.11	+20 42.4	1.826	2.672	13.0	20.0	12 27	3 44.79	+23 19.4	1.609	2.471	13.6	20.0
152961	2000 GH ₆₀		11 26.2 293°42	1°4/26.6	18		495252	2013 OS		11 26.2 256°05	3°2/28.2	18	
10 18	4 38.61	+24 18.9	1.533	2.332	18.1	20.5	10 18	4 35.97	+33 10.9	2.505	3.253	13.2	21.3
10 28	4 35.06	+24 31.8	1.444	2.322	14.6	20.2	10 28	4 31.63	+33 7.9	2.405	3.246	10.9	21.1
11 7	4 28.20	+24 37.3	1.374	2.312	10.3	20.0	11 7	4 25.06	+32 53.4	2.326	3.239	8.1	21.0
11 17	4 18.60	+24 33.6	1.327	2.302	5.4	19.7	11 17	4 16.80	+32 25.6	2.273	3.231	5.2	20.8
11 27	4 7.46	+24 20.5	1.307	2.293	1.5	19.4	11 27	4 7.68	+31 44.7	2.249	3.224	3.2	20.6
12 7	3 56.37	+24 0.2	1.314	2.283	5.8	19.6	12 7	3 58.71	+30 52.7	2.254	3.216	4.6	20.7
12 17	3 46.86	+23 37.0	1.347	2.274	10.8	19.9	12 17	3 50.82	+29 53.8	2.289	3.208	7.5	20.9
12 27	3 40.18	+23 16.4	1.403	2.265	15.3	20.2	12 27	3 44.79	+28 53.3	2.351	3.200	10.4	21.0
176635	2002 LS ₄₀		11 26.2 168°69	4°3/24.5	17		346551	2008 UJ ₃₂₅		11 26.2 75°94	0°6/26.4	18	
10 18	4 39.70	+12 38.5	1.705	2.501	16.7	20.5	10 18	4 39.03	+23 40.7	1.655	2.448	17.2	20.5
10 28	4 35.02	+11 49.9	1.627	2.504	13.3	20.3	10 28	4 34.71	+23 32.4	1.584	2.460	13.7	20.3
11 7	4 27.59	+11 0.3	1.571	2.507	9.4	20.1	11 7	4 27.46	+23 16.1	1.534	2.472	9.4	20.1
11 17	4 18.07	+10 13.8	1.540	2.509	5.7	19.9	11 17	4 18.02	+22 51.6	1.508	2.484	4.7	19.9
11 27	4 7.53	+9 35.0	1.537	2.511	4.5	19.8	11 27	4 7.58	+22 20.5	1.510	2.496	0.6	19.6
12 7	3 57.25	+9 8.1	1.562	2.512	7.5	20.0	12 7	3 57.52	+21 46.3	1.539	2.508	5.2	20.0
12 17	3 48.41	+8 56.0	1.613	2.513	11.3	20.2	12 17	3 49.08	+21 13.6	1.596	2.520	9.7	20.3
12 27	3 41.93	+8 59.7	1.688	2.513	14.9	20.5	12 27	3 43.17	+20 46.9	1.678	2.532	13.6	20.5
239685	2008 YJ ₈₆		11 26.2 35°45	0°2/26.1	18		370889	2005 EJ ₂₀₈		11 26.2 277°07	4°1/28.3	17	
10 18	4 37.35	+21 16.3	1.637	2.437	17.1	20.7	10 18	4 36.83	+34 6.6	2.476	3.220	13.5	21.1
10 28	4 33.50	+21 10.9	1.560	2.440	13.6	20.5	10 28	4 32.41	+34 32.3	2.383	3.219	11.1	20.9
11 7	4 26.73	+20 59.8	1.503	2.444	9.3	20.2	11 7	4 25.66	+34 47.5	2.312	3.218	8.4	20.7
11 17	4 17.71	+20 43.0	1.470	2.447	4.6	20.0	11 17	4 17.13	+34 49.7	2.266	3.217	5.7	20.6
11 27	4 7.56	+20 22.3	1.465	2.451	0.5	19.7	11 27	4 7.66	+34 37.6	2.249	3.217	4.1	20.5
12 7	3 57.67	+20 0.6	1.487	2.456	5.4	20.1	12 7	3 58.32	+34 12.5	2.261	3.216	5.1	20.5
12 17	3 49.29	+19 41.6	1.536	2.460	10.0	20.3	12 17	3 50.08	+33 37.3	2.301	3.215	7.7	20.7
12 27	3 43.42	+19 29.1	1.609	2.464	14.0	20.6	12 27	3 43.78	+32 56.9	2.368	3.214	10.4	20.9
271066	2003 HP ₂₇		11 26.2 185°38	8°4/26.2	17		151115	2001 WU ₃₃		11 26.2 130°54	1°2/25.8	18	
10 18	4 52.31	- 0 0.3	1.215	2.000	22.7	20.0	10 18	4 40.51	+18 44.3	1.881	2.666	15.7	20.5
10 28	4 46.31	+ 0 22.4	1.140	2.001	18.9	19.8	10 28	4 35.44	+18 32.1	1.805	2.678	12.4	20.3
11 7	4 36.18	+ 1 6.3	1.082	2.001	14.5	19.5	11 7	4 27.76	+18 16.2	1.752	2.689	8.5	20.0
11 17	4 22.60	+ 2 16.8	1.046	2.000	10.3	19.3	11 17	4 18.13	+17 57.6	1.724	2.700	4.2	19.8
11 27	4 7.12	+ 3 55.3	1.036	2.000	8.4	19.2	11 27	4 7.60	+17 38.2	1.724	2.710	1.3	19.6
12 7	3 51.79	+ 5 57.8	1.053	1.999	10.9	19.3	12 7	3 57.36	+17 20.5	1.755	2.720	5.2	19.9
12 17	3 38.61	+ 8 16.5	1.097	1.998	15.4	19.5	12 17	3 48.53	+17 7.5	1.813	2.729	9.3	20.2
12 27	3 29.02	+10 43.0	1.164	1.996	19.8	19.8	12 27	3 41.94	+17 1.7	1.897	2.737	12.9	20.4
233272	2006 AY ₆		11 26.2 252°82	1°9/25.3	18		333290	1999 TZ ₃₀₁		11 26.2 297°37	2°6/27.1	18	
10 18	4 37.39	+18 19.4	1.854	2.647	15.6	21.0	10 18	4 37.55	+26 55.8	2.117	2.890	14.6	20.7
10 28	4 33.30	+17 45.6	1.757	2.634	12.4	20.8	10 28	4 33.42	+27 31.5	2.014	2.875	11.8	20.4
11 7	4 26.52	+17 6.3	1.682	2.621	8.6	20.5	11 7	4 26.67	+28 1.4	1.933	2.860	8.5	20.2
11 17	4 17.62	+16 23.4	1.632	2.608	4.4	20.2	11 17	4 17.77	+28 23.1	1.876	2.844	5.0	20.0
11 27	4 7.57	+15 40.1	1.610	2.594	2.1	20.0	11 27	4 7.61	+28 35.0	1.848	2.830	2.6	19.8
12 7	3 57.58	+15 0.5	1.617	2.579	5.9	20.3	12 7	3 57.37	+28 37.2	1.850	2.815	5.0	19.9
12 17	3 48.82	+14 28.7	1.651	2.565	10.2	20.5	12 17	3 48.21	+28 31.9	1.879	2.800	8.7	20.1
12 27	3 42.28	+14 8.3	1.711	2.550	14.1	20.7	12 27	3 41.17	+28 23.0	1.934	2.786	12.2	20.3
285971	2001 RW ₁₀₉		11 26.2 94°75	2°0/25.5	18 R		266208	2006 WW ₉₃		11 26.2 317°48	1°3/25.8	18	
10 18	4 40.90	+17 34.3	1.647	2.442	17.2	21.3	10 18	4 36.94	+18 22.5	1.337	2.155	19.3	20.9
10 28	4 35.92	+17 10.6	1.584	2.462	13.5	21.1	10 28	4 34.07	+18 21.2	1.252	2.143	15.4	20.6
11 7	4 28.12	+16 43.6	1.541	2.480	9.2	20.9	11 7	4 27.71	+18 16.8	1.186	2.132	10.7	20.3
11 17	4 18.27	+16 15.1	1.523	2.499	4.7	20.7	11 17	4 18.46	+18 10.0	1.143	2.121	5.4	20.0
11 27	4 7.54	+15 48.0	1.533	2.517	2.1	20.6	11 27	4 7.55	+18 2.6	1.125	2.110	1.5	19.7
12 7	3 57.27	+15 25.7	1.571	2.535	5.9	20.9	12 7	3 56.67	+17 57.3	1.132	2.101	6.7	20.0
12 17	3 48.62	+15 11.2	1.637	2.552	10.2	21.2	12 17	3 47.47	+17 57.4	1.165	2.091	12.2	20.3
12 27	3 42.47	+15 6.9	1.727	2.569	13.9	21.4	12 27	3 41.24	+18 6.2	1.219	2.083	17.0	20.5
277016	2005 AK ₃₃		11 26.2 296°81	9°8/21.9	18		297988	2002 MV ₅		11 26.2 95°14	4°0/24.2	18	
10 18	4 35.31	- 7 52.9	2.271	3.021	14.4	20.7	10 18	4 37.74	+13 16.1	1.947	2.738	15.1	21.5
10 28	4 31.10	- 8 42.4	2.175	2.994	12.6	20.5	10 28	4 32.90	+12 12.4	1.884	2.759	11.9	21.3
11 7	4 24.74	- 9 19.5	2.100	2.968	11.0	20.4	11 7	4 25.78	+11 7.6	1.844	2.779	8.3	21.1
11 17	4 16.68	- 9 38.1	2.048	2.941	9.9	20.2	11 17	4 17.06	+10 5.8	1.831	2.799	5.1	21.0
11 27	4 7.67	- 9 33.1	2.021	2.914	10.0	20.2	11 27	4 7.71	+ 9 11.6	1.846	2.819	4.2	21.0
12 7	3 58.61	- 9 1.8	2.021	2.887	11.2	20.2	12 7	3 58.77	+ 8 29.2	1.891	2.839	6.7	21.2
12 17	3 50.43	- 8 4.7	2.045	2.860	13.1	20.3	12 17	3 51.14	+ 8 1.3	1.963	2.858	9.9	21.4
12 27	3 43.93	- 6 44.5	2.091	2.833	15.2	20.4	12 27	3 45.53	+ 7 48.9	2.060	2.876	12.9	21.6
228056	2008 JU ₁₁		11 26.2 131°89	1°8/25.5	18		349708	2008 YY ₂		11 26.2 35°13	7°5/22.8	18	
10 18													

EPHEMERIDES

11 26.2

11 26.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
446641	2015 <i>MN</i> ₁₂₁		11 26.2 36°15'	1.2°/26.7	17		298211	2002 <i>TB</i> ₃₅₁		11 26.2 89°60'	5.8°/23.3	18	
10 18	4 36.17	+26 41.7	1.539	2.338	18.1	20.9	10 18	4 36.30	+9 10.1	1.876	2.671	15.4	20.7
10 28	4 32.69	+26 15.3	1.471	2.349	14.4	20.7	10 28	4 31.88	+7 49.2	1.814	2.687	12.3	20.6
11 7	4 26.18	+25 36.3	1.424	2.362	10.0	20.5	11 7	4 25.17	+6 29.7	1.774	2.703	9.1	20.4
11 17	4 17.42	+24 45.1	1.399	2.374	5.2	20.2	11 17	4 16.81	+5 17.3	1.760	2.719	6.4	20.3
11 27	4 7.69	+23 44.7	1.402	2.388	1.2	20.0	11 27	4 7.78	+4 17.9	1.775	2.734	6.0	20.3
12 7	3 58.42	+22 40.4	1.432	2.402	5.3	20.3	12 7	3 59.12	+3 35.7	1.817	2.749	8.2	20.5
12 17	3 50.87	+21 38.8	1.488	2.416	9.9	20.6	12 17	3 51.75	+3 13.0	1.886	2.764	11.1	20.7
12 27	3 45.94	+20 45.9	1.569	2.431	13.9	20.9	12 27	3 46.39	+3 9.7	1.978	2.779	14.0	20.9
392657	2011 <i>UR</i> ₂₂₅		11 26.2 147°91'	1.4°/25.6	18		82812	2001 <i>QD</i> ₃₅		11 26.2 69°43'	2.6°/25.4	18	
10 18	4 38.08	+17 57.4	2.199	2.980	13.9	22.2	10 18	4 40.31	+16 29.4	1.440	2.247	18.7	19.4
10 28	4 33.17	+17 39.5	2.118	2.988	10.9	22.0	10 28	4 35.83	+16 3.3	1.382	2.267	14.7	19.2
11 7	4 26.04	+17 18.6	2.059	2.996	7.5	21.8	11 7	4 28.25	+15 34.9	1.345	2.286	10.1	19.0
11 17	4 17.27	+16 55.8	2.027	3.003	3.8	21.6	11 17	4 18.43	+15 6.5	1.331	2.306	5.2	18.8
11 27	4 7.71	+16 33.1	2.025	3.009	1.5	21.4	11 27	4 7.66	+14 41.6	1.343	2.326	2.8	18.7
12 7	3 58.37	+16 13.1	2.052	3.015	4.8	21.7	12 7	3 57.43	+14 23.7	1.383	2.346	6.6	19.0
12 17	3 50.17	+15 58.2	2.109	3.021	8.4	21.9	12 17	3 49.01	+14 15.7	1.450	2.366	11.1	19.3
12 27	3 43.86	+15 50.6	2.192	3.026	11.6	22.1	12 27	3 43.30	+14 19.4	1.539	2.386	15.0	19.6
487529	2014 <i>UM</i> ₁₂₇		11 26.2 151°57'	0.6°/25.8	17		307364	2002 <i>RW</i> ₂₅₃		11 26.2 33°81'	0.2°/26.3	18	
10 18	4 33.77	+21 11.2	2.528	3.307	12.3	21.7	10 18	4 36.44	+22 43.9	1.638	2.438	17.1	21.2
10 28	4 29.57	+20 42.3	2.440	3.309	9.7	21.6	10 28	4 32.78	+22 33.2	1.564	2.444	13.6	21.0
11 7	4 23.47	+20 8.0	2.375	3.311	6.6	21.4	11 7	4 26.25	+22 14.9	1.510	2.450	9.3	20.8
11 17	4 15.98	+19 29.5	2.337	3.314	3.2	21.2	11 17	4 17.51	+21 49.5	1.480	2.457	4.6	20.5
11 27	4 7.82	+18 48.8	2.330	3.316	0.7	21.0	11 27	4 7.73	+21 18.8	1.477	2.464	0.4	20.2
12 7	3 59.84	+18 8.9	2.352	3.318	4.0	21.2	12 7	3 58.25	+20 46.4	1.502	2.471	5.3	20.6
12 17	3 52.80	+17 32.7	2.404	3.319	7.3	21.4	12 17	3 50.30	+20 16.5	1.554	2.479	9.8	20.9
12 27	3 47.36	+17 3.0	2.483	3.321	10.3	21.6	12 27	3 44.82	+19 53.4	1.630	2.487	13.7	21.1
141176	2001 <i>XV</i> ₁₅₁		11 26.2 339°28'	1.6°/25.7	18		212769	2007 <i>TZ</i> ₇₈		11 26.2 163°80'	0.1°/26.2	16	
10 18	4 36.05	+16 36.8	1.889	2.685	15.3	19.8	10 18	4 42.89	+22 54.0	1.670	2.455	17.4	21.4
10 28	4 32.12	+16 36.7	1.803	2.682	12.1	19.6	10 28	4 37.84	+22 38.9	1.589	2.461	13.9	21.2
11 7	4 25.64	+16 35.5	1.739	2.679	8.4	19.3	11 7	4 29.73	+22 15.7	1.529	2.465	9.6	20.9
11 17	4 17.19	+16 34.3	1.700	2.676	4.2	19.1	11 17	4 19.24	+21 44.4	1.494	2.469	4.7	20.6
11 27	4 7.71	+16 34.3	1.689	2.674	1.7	18.9	11 27	4 7.59	+21 6.8	1.486	2.473	0.4	20.3
12 7	3 58.34	+16 37.4	1.707	2.672	5.3	19.1	12 7	3 56.24	+20 26.7	1.508	2.475	5.5	20.7
12 17	3 50.17	+16 45.3	1.752	2.670	9.4	19.4	12 17	3 46.53	+19 49.0	1.557	2.477	10.2	21.0
12 27	3 44.12	+16 59.7	1.822	2.668	13.1	19.6	12 27	3 39.47	+19 18.7	1.631	2.478	14.2	21.2
440050	2002 <i>QU</i> ₁₁₃		11 26.2 110°23'	4.9°/28.9	18		333834	2012 <i>KZ</i> ₁₀		11 26.2 262°67'	2.6°/25.5	17	
10 18	4 42.45	+36 21.8	2.086	2.824	15.8	21.8	10 18	4 39.02	+10 55.9	2.363	3.138	13.2	20.4
10 28	4 37.09	+36 35.1	2.009	2.840	13.1	21.6	10 28	4 33.87	+11 16.0	2.269	3.134	10.5	20.2
11 7	4 28.94	+36 33.5	1.954	2.855	10.0	21.5	11 7	4 26.57	+11 40.2	2.198	3.130	7.4	20.0
11 17	4 18.72	+36 14.1	1.923	2.870	6.9	21.3	11 17	4 17.60	+12 9.3	2.155	3.125	4.2	19.8
11 27	4 7.59	+35 35.9	1.919	2.885	4.9	21.2	11 27	4 7.73	+12 43.7	2.142	3.121	2.7	19.7
12 7	3 56.88	+34 41.7	1.945	2.899	5.9	21.3	12 7	3 57.89	+13 23.5	2.159	3.117	5.1	19.9
12 17	3 47.76	+33 36.9	1.999	2.913	8.6	21.5	12 17	3 49.00	+14 8.4	2.207	3.113	8.4	20.1
12 27	3 41.10	+32 28.8	2.079	2.927	11.6	21.7	12 27	3 41.83	+14 58.3	2.282	3.108	11.5	20.3
88855	2001 <i>SD</i> ₂₃₆		11 26.2 355°43'	5.4°/24.0	18		304997	2007 <i>TL</i> ₂₅₈		11 26.2 215°65'	1.7°/27.0	18	
10 18	4 34.17	+8 43.1	1.821	2.623	15.6	19.4	10 18	4 39.90	+26 53.7	2.339	3.100	13.7	21.3
10 28	4 30.54	+7 55.8	1.744	2.621	12.5	19.2	10 28	4 34.84	+26 58.9	2.237	3.091	11.0	21.1
11 7	4 24.48	+7 11.3	1.689	2.621	9.2	19.0	11 7	4 27.39	+26 56.4	2.157	3.083	7.9	20.9
11 17	4 16.58	+6 33.8	1.658	2.620	6.3	18.9	11 17	4 18.05	+26 44.9	2.103	3.073	4.3	20.6
11 27	4 7.77	+6 7.9	1.654	2.619	5.6	18.8	11 27	4 7.70	+26 24.2	2.079	3.063	1.7	20.4
12 7	3 59.15	+5 57.0	1.677	2.619	7.9	19.0	12 7	3 57.40	+25 56.1	2.085	3.052	4.3	20.6
12 17	3 51.74	+6 2.7	1.727	2.619	11.2	19.2	12 17	3 48.19	+25 24.0	2.121	3.040	8.0	20.8
12 27	3 46.37	+6 24.7	1.800	2.620	14.4	19.4	12 27	3 40.95	+24 52.1	2.184	3.028	11.3	21.0
32798	1990 <i>OA</i> ₂		11 26.2 55°25'	8.1°/29.9	18 R		324837	2007 <i>JP</i> ₁₂		11 26.2 132°95'	3.1°/24.9	18	
10 18	4 44.29	+41 18.4	1.842	2.570	18.0	18.3	10 18	4 36.47	+9 27.9	2.791	3.561	11.5	20.5
10 28	4 39.35	+42 25.6	1.779	2.591	15.3	18.2	10 28	4 31.34	+9 22.8	2.711	3.572	9.1	20.3
11 7	4 30.95	+43 15.6	1.736	2.613	12.4	18.0	11 7	4 24.52	+9 20.7	2.656	3.583	6.5	20.2
11 17	4 19.86	+43 42.1	1.714	2.634	9.8	17.9	11 17	4 16.47	+9 23.1	2.629	3.594	4.0	20.0
11 27	4 7.50	+43 41.2	1.718	2.656	8.2	17.9	11 27	4 7.85	+9 31.3	2.632	3.604	3.2	20.0
12 7	3 55.58	+43 13.9	1.749	2.678	8.6	17.9	12 7	3 59.38	+9 46.4	2.666	3.614	5.0	20.1
12 17	3 45.62	+42 25.8	1.805	2.701	10.6	18.1	12 17	3 51.76	+10 8.6	2.730	3.624	7.5	20.3
12 27	3 38.72	+41 25.6	1.885	2.723	13.1	18.3	12 27	3 45.57	+10 38.1	2.821	3.633	10.0	20.5
60075	1999 <i>TZ</i> ₁₄₂		11 26.2 107°74'	4.0°/23.9	18		127527	2002 <i>VT</i> ₁₁₄		11 26.2 70°56'	0.6°/26.0	18	
10 18	4 34.68	+11 33.4	2.326	3.112	13.1	20.2	10 18	4 40.76	+18 29.6	1.798	2.587	16.2	19.6
10 28	4 30.22	+10 32.7	2.256	3.126	10.3	20.0	10 28	4 35.69	+18 45.2	1.734	2.608	12.8	19.4
11 7	4 23.85	+9 31.9	2.209	3.140	7.4	19.8	11 7	4 27.96	+18 58.9	1.691	2.629	8.7	19.2
11 17	4 16.13	+8 34.7	2.189	3.153	4.7	19.7	11 17	4 18.26	+19 10.3	1.674	2.650	4.2	19.0
11 27	4 7.83	+7 44.9	2.198	3.167	4.1	19.7	11 27	4 7.69	+19 19.9	1.685	2.671	0.8	18.8
12 7	3 59.79	+7 6.1	2.238	3.179	6.2	19.8	12 7	3 57.50	+19 28.8	1.725	2.692	5.0	19.2
12 17	3 52.79	+6 40.5	2.305	3.192	9.0	20.0	12 17	3 48.79	+19 39.0	1.793	2.713	9.1	19.4
12 27	3 47.44	+6 29.1	2.398	3.204	11.6	20.2	12 27	3 42.42	+19 52.4	1.887	2.734	12.6	19.7
58965	1998 <i>RO</i> ₂		11 26.2 80°35'	5.4°/23.7	18		333547						

EPHEMERIDES

11 26.2

11 26.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
398600	2011 <i>WK</i> ₁₀₄		11 26.2 149°31'	2.7°/27.8	18		31810	1999 <i>NR</i> ₃₈		11 26.2 268°07'	4.0°/27.9	18	
10 18	4 39.94	+31 42.4	2.393	3.141	13.8	21.9	10 18	4 38.39	+32 17.6	2.192	2.948	14.7	18.1
10 28	4 34.66	+31 32.5	2.307	3.150	11.2	21.7	10 28	4 34.07	+32 45.6	2.092	2.937	12.1	17.9
11 7	4 27.07	+31 11.1	2.242	3.158	8.1	21.5	11 7	4 27.11	+33 3.6	2.013	2.927	9.1	17.7
11 17	4 17.78	+30 36.8	2.203	3.166	4.9	21.3	11 17	4 18.02	+33 8.5	1.959	2.916	6.0	17.5
11 27	4 7.74	+29 50.2	2.194	3.173	2.7	21.2	11 27	4 7.75	+32 58.7	1.933	2.905	4.0	17.3
12 7	3 57.99	+28 54.3	2.216	3.180	4.4	21.3	12 7	3 57.50	+32 35.0	1.935	2.895	5.4	17.4
12 17	3 49.49	+27 53.6	2.267	3.186	7.5	21.5	12 17	3 48.45	+32 0.8	1.966	2.884	8.6	17.6
12 27	3 42.98	+26 53.4	2.346	3.191	10.5	21.7	12 27	3 41.56	+31 21.6	2.023	2.873	11.8	17.7
226415	2003 <i>QE</i> ₁₁₄		11 26.2 298°60'	4.3°/23.9	17		411146	2009 <i>XQ</i> ₂₃		11 26.2 7°02'	0.6°/26.4	17	
10 18	4 32.46	+11 16.1	2.201	2.995	13.5	20.3	10 18	4 36.90	+21 5.7	2.000	2.787	14.9	20.1
10 28	4 28.83	+10 19.3	2.112	2.987	10.7	20.1	10 28	4 32.75	+21 36.0	1.915	2.788	11.8	19.9
11 7	4 23.15	+9 21.9	2.047	2.980	7.7	19.9	11 7	4 26.10	+22 3.9	1.852	2.789	8.2	19.6
11 17	4 15.92	+8 27.6	2.007	2.972	5.0	19.7	11 17	4 17.48	+22 28.1	1.815	2.790	4.1	19.4
11 27	4 7.90	+7 40.6	1.996	2.965	4.4	19.7	11 27	4 7.81	+22 48.1	1.806	2.792	0.7	19.1
12 7	3 59.99	+7 4.9	2.014	2.957	6.7	19.8	12 7	3 58.23	+23 4.2	1.826	2.794	4.6	19.4
12 17	3 53.06	+6 43.0	2.059	2.950	9.7	20.0	12 17	3 49.84	+23 18.0	1.874	2.797	8.6	19.7
12 27	3 47.82	+6 36.2	2.129	2.943	12.7	20.1	12 27	3 43.53	+23 31.8	1.948	2.800	12.1	19.9
267253	2001 <i>PS</i> ₅₈		11 26.2 86°72'	2.6°/27.2	18		487777	2015 <i>RR</i> ₂₂₀		11 26.2 43°45'	4.1°/27.5	17	
10 18	4 45.27	+27 58.1	1.657	2.430	18.0	20.9	10 18	4 40.97	+29 4.5	1.606	2.387	18.1	21.3
10 28	4 39.55	+28 12.3	1.597	2.458	14.4	20.7	10 28	4 36.62	+29 56.2	1.542	2.406	14.7	21.1
11 7	4 30.72	+28 15.6	1.558	2.485	10.2	20.5	11 7	4 29.03	+30 38.3	1.499	2.424	10.7	20.9
11 17	4 19.62	+28 6.0	1.543	2.512	5.7	20.3	11 17	4 18.96	+31 6.6	1.479	2.443	6.6	20.7
11 27	4 7.60	+27 43.5	1.556	2.539	2.6	20.2	11 27	4 7.70	+31 18.8	1.486	2.463	4.1	20.6
12 7	3 56.18	+27 11.0	1.598	2.564	5.4	20.4	12 7	3 56.82	+31 15.9	1.520	2.483	6.1	20.8
12 17	3 46.65	+26 34.0	1.667	2.590	9.5	20.7	12 17	3 47.74	+31 1.9	1.581	2.503	9.9	21.0
12 27	3 39.92	+25 58.3	1.762	2.614	13.1	21.0	12 27	3 41.47	+30 42.9	1.666	2.524	13.4	21.3
448037	2008 <i>EX</i> ₁₁₅		11 26.2 314°55'	7.3°/22.5	18		187149	2005 <i>QF</i> ₁₇₅		11 26.2 167°95'	0.8°/26.6	18	
10 18	4 32.29	+6 29.9	1.747	2.552	15.9	21.3	10 18	4 42.08	+24 41.4	2.050	2.820	15.1	21.4
10 28	4 29.31	+5 6.7	1.661	2.538	13.1	21.1	10 28	4 36.68	+24 33.7	1.963	2.825	12.1	21.2
11 7	4 23.81	+3 45.0	1.597	2.523	10.1	20.9	11 7	4 28.67	+24 18.0	1.899	2.830	8.4	21.0
11 17	4 16.36	+2 31.3	1.557	2.509	7.7	20.7	11 17	4 18.68	+23 54.0	1.860	2.834	4.3	20.8
11 27	4 7.86	+1 32.9	1.543	2.495	7.6	20.7	11 27	4 7.73	+23 22.4	1.851	2.837	0.9	20.5
12 7	3 59.44	+0 55.4	1.556	2.481	9.9	20.8	12 7	3 57.01	+22 46.2	1.871	2.839	4.6	20.8
12 17	3 52.18	+0 41.6	1.593	2.468	13.0	20.9	12 17	3 47.63	+22 9.4	1.921	2.840	8.6	21.1
12 27	3 46.99	+0 51.7	1.652	2.455	16.2	21.1	12 27	3 40.48	+21 36.5	1.998	2.841	12.2	21.3
45744	2000 <i>HU</i> ₅₇		11 26.2 130°18'	0.5°/26.4	18		133744	Dellagiustina		11 26.2 125°82'	0.5°/26.4	18	
10 18	4 39.73	+22 0.3	2.236	3.009	13.9	19.1	10 18	4 41.64	+21 39.8	2.121	2.893	14.6	19.9
10 28	4 34.56	+22 16.4	2.155	3.019	11.0	19.0	10 28	4 36.16	+21 59.2	2.042	2.906	11.6	19.7
11 7	4 27.07	+22 28.6	2.096	3.029	7.6	18.8	11 7	4 28.23	+22 14.7	1.987	2.919	8.0	19.5
11 17	4 17.84	+22 35.9	2.063	3.038	3.8	18.5	11 17	4 18.44	+22 25.4	1.957	2.932	4.0	19.3
11 27	4 7.74	+22 38.5	2.061	3.047	0.6	18.3	11 27	4 7.76	+22 31.1	1.958	2.944	0.6	19.0
12 7	3 57.84	+22 37.6	2.089	3.056	4.2	18.6	12 7	3 57.30	+22 33.0	1.988	2.956	4.4	19.3
12 17	3 49.09	+22 35.1	2.146	3.064	7.9	18.8	12 17	3 48.11	+22 33.2	2.048	2.967	8.2	19.6
12 27	3 42.31	+22 33.8	2.230	3.072	11.1	19.1	12 27	3 41.01	+22 34.5	2.135	2.977	11.5	19.8
449671	2014 <i>KR</i> ₈₅		11 26.2 212°45'	3.4°/24.9	18		497108	2004 <i>DP</i> ₅₄		11 26.2 185°54'	20.7°/18.7	17	
10 18	4 37.85	+11 46.3	2.099	2.884	14.3	21.3	10 18	4 42.22	-17 24.9	1.196	1.953	24.4	21.7
10 28	4 33.20	+11 27.6	2.009	2.880	11.4	21.1	10 28	4 38.11	-20 2.1	1.155	1.954	22.7	21.5
11 7	4 26.23	+11 10.4	1.942	2.875	8.1	20.9	11 7	4 30.32	-22 9.8	1.129	1.954	21.3	21.5
11 17	4 17.47	+10 56.8	1.900	2.870	4.8	20.7	11 17	4 19.66	-23 32.7	1.119	1.954	20.7	21.4
11 27	4 7.77	+10 49.4	1.888	2.864	3.5	20.6	11 27	4 7.65	-23 58.9	1.127	1.953	21.0	21.4
12 7	3 58.17	+10 50.2	1.905	2.858	6.1	20.8	12 7	3 56.10	-23 25.3	1.151	1.951	22.1	21.5
12 17	3 49.65	+11 0.8	1.950	2.852	9.6	21.0	12 17	3 46.61	-21 57.0	1.191	1.949	23.8	21.6
12 27	3 43.03	+11 21.7	2.020	2.845	12.8	21.2	12 27	3 40.31	-19 44.5	1.245	1.947	25.5	21.8
114894	2003 <i>QS</i> ₂₀		11 26.2 1°97'	11.1°/21.5	18		481850	2008 <i>WU</i> ₁₃₉		11 26.2 299°96'	5.8°/25.1	18	
10 18	4 29.55	-2 50.9	1.587	2.389	17.5	18.5	10 18	4 40.00	+5 31.8	1.661	2.454	17.2	20.7
10 28	4 27.20	-4 23.0	1.527	2.387	15.0	18.3	10 28	4 35.64	+5 30.4	1.572	2.442	14.1	20.4
11 7	4 22.34	-5 42.7	1.487	2.387	12.7	18.2	11 7	4 28.37	+5 38.3	1.503	2.430	10.5	20.2
11 17	4 15.59	-6 41.6	1.469	2.387	11.2	18.1	11 17	4 18.72	+5 59.0	1.458	2.419	7.1	20.0
11 27	4 7.94	-7 12.2	1.475	2.389	11.3	18.1	11 27	4 7.73	+6 35.1	1.440	2.408	5.9	19.9
12 7	4 0.53	-7 11.1	1.503	2.393	12.8	18.2	12 7	3 56.73	+7 27.4	1.449	2.397	8.3	20.0
12 17	3 54.42	-6 38.9	1.554	2.397	15.1	18.4	12 17	3 47.03	+8 34.4	1.486	2.386	12.1	20.2
12 27	3 50.41	-5 39.5	1.624	2.402	17.5	18.6	12 27	3 39.73	+9 53.8	1.546	2.375	15.9	20.4
293895	2007 <i>RS</i> ₂₉₈		11 26.2 8°76'	1.6°/25.8	18		493920	2015 <i>XX</i> ₃₃₄		11 26.2 205°34'	2.5°/25.3	18	
10 18	4 33.09	+20 20.0	0.983	1.829	22.6	20.8	10 18	4 35.71	+13 18.1	2.307	3.091	13.2	21.3
10 28	4 31.80	+19 54.6	0.923	1.829	18.0	20.5	10 28	4 31.31	+13 10.5	2.219	3.090	10.5	21.1
11 7	4 26.46	+19 20.4	0.879	1.831	12.4	20.2	11 7	4 24.83	+13 3.7	2.154	3.089	7.3	20.9
11 17	4 17.90	+18 39.8	0.855	1.835	6.1	19.9	11 17	4 16.77	+12 59.4	2.116	3.088	4.1	20.7
11 27	4 7.75	+17 57.5	0.854	1.840	1.8	19.6	11 27	4 7.91	+12 59.1	2.107	3.087	2.6	20.6
12 7	3 58.04	+17 19.8	0.875	1.846	7.6	20.0	12 7	3 59.16	+13 4.4	2.128	3.086	5.2	20.8
12 17	3 50.58	+16 53.1	0.919	1.854	13.6	20.3	12 17	3 51.38	+13 16.5	2.178	3.085	8.5	21.0
12 27	3 46.62	+16 41.7	0.983	1.863	18.7	20.7	12 27	3 45.30	+13 36.1	2.253	3.083	11.5	21.2
265286	2004 <i>FT</i> ₁₃₆		11 26.2 145°90'	2.4°/27.2	18		59404	1999 <i></i>					

EPHEMERIDES

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11 26.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
473307	2015 <i>RO</i> ₈₈		11 26.2 80°84	2.6/27.8	16		150413	2000 <i>FN</i> ₂₁		11 26.2 311°48	3.4/25.3	18	
10 18	4 39.07	+31 33.4	1.922	2.688	16.1	21.0	10 18	4 37.09	+14 7.2	1.412	2.227	18.6	19.8
10 28	4 34.48	+31 8.8	1.845	2.700	13.0	20.8	10 28	4 33.96	+13 53.2	1.326	2.215	14.9	19.6
11 7	4 27.19	+30 29.6	1.789	2.712	9.4	20.7	11 7	4 27.55	+13 39.5	1.260	2.203	10.5	19.3
11 17	4 17.93	+29 35.2	1.757	2.724	5.5	20.4	11 17	4 18.45	+13 28.6	1.217	2.191	5.8	19.0
11 27	4 7.85	+28 27.1	1.754	2.736	2.7	20.3	11 27	4 7.82	+13 23.6	1.199	2.180	3.5	18.8
12 7	3 58.19	+27 10.3	1.780	2.748	4.9	20.5	12 7	3 57.21	+13 27.4	1.207	2.170	7.4	19.0
12 17	3 50.08	+25 51.1	1.835	2.759	8.6	20.7	12 17	3 48.13	+13 42.3	1.240	2.159	12.3	19.3
12 27	3 44.33	+24 36.5	1.917	2.771	12.1	21.0	12 27	3 41.82	+14 9.4	1.296	2.149	16.8	19.5
81172	2000 <i>EQ</i> ₁₆₆		11 26.2 170°06	0.6/26.1	18		261176	2005 <i>TX</i> ₁₂₆		11 26.3 176°83	2.0/25.2	18	
10 18	4 41.54	+19 16.7	1.795	2.581	16.3	20.0	10 18	4 35.23	+17 7.4	2.270	3.055	13.4	21.8
10 28	4 36.63	+19 22.1	1.711	2.584	13.0	19.8	10 28	4 30.96	+16 32.2	2.183	3.056	10.5	21.6
11 7	4 28.88	+19 24.6	1.649	2.586	8.9	19.6	11 7	4 24.59	+15 53.6	2.119	3.057	7.3	21.4
11 17	4 18.90	+19 24.0	1.612	2.588	4.4	19.3	11 17	4 16.68	+15 13.5	2.083	3.057	3.8	21.2
11 27	4 7.77	+19 21.0	1.603	2.589	0.8	19.0	11 27	4 8.00	+14 34.8	2.075	3.057	2.1	21.1
12 7	3 56.81	+19 17.4	1.623	2.590	5.3	19.4	12 7	3 59.49	+14 0.8	2.097	3.057	5.0	21.3
12 17	3 47.26	+19 15.9	1.672	2.591	9.7	19.6	12 17	3 52.01	+13 34.2	2.148	3.057	8.4	21.5
12 27	3 40.12	+19 19.1	1.745	2.591	13.6	19.9	12 27	3 46.29	+13 17.3	2.225	3.057	11.6	21.7
38716	2000 <i>QL</i> ₁₂₁		11 26.2 46°75	1.2/25.8	18		449280	2013 <i>EF</i> ₅₉		11 26.3 44°01	3.1/27.5	17	
10 18	4 37.29	+20 36.4	1.465	2.273	18.4	19.0	10 18	4 38.60	+29 0.2	1.885	2.659	16.1	21.8
10 28	4 33.67	+20 6.5	1.398	2.284	14.5	18.7	10 28	4 34.42	+29 22.2	1.801	2.662	13.0	21.6
11 7	4 26.96	+19 29.4	1.351	2.294	9.9	18.5	11 7	4 27.42	+29 34.6	1.739	2.664	9.4	21.4
11 17	4 17.93	+18 47.0	1.328	2.305	4.9	18.2	11 17	4 18.21	+29 35.0	1.701	2.667	5.6	21.1
11 27	4 7.86	+18 2.8	1.331	2.316	1.4	18.0	11 27	4 7.87	+29 22.5	1.690	2.670	3.1	21.0
12 7	3 58.20	+17 21.7	1.361	2.328	6.0	18.4	12 7	3 57.71	+28 58.9	1.708	2.673	5.3	21.1
12 17	3 50.26	+16 48.4	1.417	2.340	10.8	18.7	12 17	3 48.98	+28 28.1	1.753	2.677	9.0	21.4
12 27	3 44.98	+16 26.7	1.497	2.352	14.8	19.0	12 27	3 42.65	+27 55.6	1.824	2.680	12.6	21.6
248295	2005 <i>LY</i> ₃		11 26.2 81°09	3.5/25.3	18		21874	1999 <i>UB</i> ₆		11 26.3 233°15	1.8/25.6	18	
10 18	4 41.08	+10 12.8	1.969	2.751	15.3	20.3	10 18	4 39.99	+17 41.9	1.677	2.472	16.9	18.6
10 28	4 35.56	+10 14.3	1.907	2.774	12.1	20.1	10 28	4 35.70	+17 24.9	1.586	2.465	13.5	18.3
11 7	4 27.69	+10 19.8	1.867	2.798	8.5	20.0	11 7	4 28.43	+17 4.5	1.517	2.456	9.4	18.1
11 17	4 18.13	+10 30.8	1.853	2.821	5.0	19.8	11 17	4 18.78	+16 41.7	1.472	2.448	4.8	17.8
11 27	4 7.85	+10 48.7	1.868	2.844	3.6	19.8	11 27	4 7.82	+16 19.1	1.454	2.439	2.0	17.6
12 7	3 57.94	+11 14.2	1.913	2.867	6.0	20.0	12 7	3 56.94	+15 59.9	1.465	2.430	6.1	17.8
12 17	3 49.36	+11 47.3	1.987	2.890	9.4	20.2	12 17	3 47.47	+15 47.5	1.503	2.420	10.8	18.1
12 27	3 42.85	+12 27.7	2.086	2.912	12.4	20.5	12 27	3 40.49	+15 44.8	1.565	2.410	14.9	18.3
482313	2011 <i>UF</i> ₂₀₁		11 26.2 355°32	10.0/22.3	17		390019	2012 <i>UJ</i> ₁₅		11 26.3 233°80	1.7/25.6	18	
10 18	4 30.38	+ 2 52.6	1.357	2.180	18.8	20.5	10 18	4 38.89	+17 50.8	1.892	2.682	15.5	22.0
10 28	4 28.37	+ 1 21.7	1.292	2.174	15.7	20.3	10 28	4 34.48	+17 33.4	1.798	2.672	12.3	21.7
11 7	4 23.46	- 0 1.7	1.246	2.170	12.5	20.1	11 7	4 27.40	+17 12.5	1.725	2.663	8.5	21.5
11 17	4 16.29	- 1 8.6	1.222	2.167	10.3	20.0	11 17	4 18.21	+16 49.3	1.677	2.653	4.3	21.2
11 27	4 7.99	- 1 50.2	1.222	2.165	10.2	20.0	11 27	4 7.87	+16 26.0	1.658	2.643	1.8	21.0
12 7	3 59.94	- 2 1.4	1.244	2.164	12.4	20.1	12 7	3 57.59	+16 5.5	1.668	2.632	5.6	21.3
12 17	3 53.36	- 1 41.5	1.289	2.165	15.5	20.3	12 17	3 48.54	+15 51.0	1.706	2.621	9.8	21.5
12 27	3 49.25	- 0 53.5	1.353	2.166	18.6	20.5	12 27	3 41.68	+15 45.2	1.769	2.609	13.6	21.7
307947	2004 <i>FP</i> ₁₃₆		11 26.2 249°18	0.4/26.4	18		485978	2012 <i>JV</i> ₂₃		11 26.3 194°63	3.2/24.9	17	
10 18	4 39.99	+21 23.7	2.411	3.179	13.2	21.5	10 18	4 35.36	+ 9 37.8	2.710	3.484	11.7	21.3
10 28	4 34.93	+21 42.6	2.299	3.160	10.5	21.3	10 28	4 30.68	+ 9 28.9	2.620	3.483	9.3	21.1
11 7	4 27.54	+21 58.8	2.209	3.141	7.3	21.0	11 7	4 24.24	+ 9 22.8	2.553	3.481	6.7	20.9
11 17	4 18.25	+22 11.4	2.147	3.121	3.7	20.8	11 17	4 16.47	+ 9 21.2	2.514	3.479	4.2	20.8
11 27	4 7.83	+22 19.9	2.114	3.101	0.5	20.5	11 27	4 8.03	+ 9 25.8	2.505	3.477	3.3	20.7
12 7	3 57.30	+22 25.0	2.113	3.080	4.2	20.7	12 7	3 59.67	+ 9 37.8	2.526	3.475	5.2	20.8
12 17	3 47.67	+22 28.4	2.142	3.059	8.0	20.9	12 17	3 52.12	+ 9 57.8	2.577	3.472	7.9	21.0
12 27	3 39.83	+22 32.5	2.198	3.037	11.4	21.1	12 27	3 46.00	+10 26.0	2.655	3.469	10.4	21.2
414537	2009 <i>SZ</i> ₁₃₅		11 26.2 61°13	2.4/24.9	18		210927	2001 <i>TH</i> ₂₂		11 26.3 80°62	1.0/26.7	18	
10 18	4 33.99	+16 34.5	2.122	2.915	13.9	21.3	10 18	4 40.26	+24 47.0	1.990	2.765	15.3	20.7
10 28	4 30.05	+15 50.7	2.045	2.922	11.0	21.1	10 28	4 35.10	+24 45.9	1.926	2.791	12.1	20.6
11 7	4 23.98	+15 3.6	1.992	2.930	7.5	20.9	11 7	4 27.46	+24 37.3	1.884	2.816	8.4	20.4
11 17	4 16.35	+14 15.9	1.964	2.938	4.0	20.7	11 17	4 18.05	+24 20.8	1.867	2.841	4.3	20.2
11 27	4 8.00	+13 30.9	1.965	2.946	2.6	20.6	11 27	4 7.91	+23 57.4	1.880	2.866	1.0	20.0
12 7	3 59.91	+12 52.4	1.996	2.954	5.4	20.8	12 7	3 58.19	+23 29.7	1.922	2.890	4.4	20.3
12 17	3 52.92	+12 23.2	2.055	2.963	8.8	21.0	12 17	3 49.90	+23 1.5	1.993	2.914	8.2	20.6
12 27	3 47.75	+12 5.5	2.139	2.971	11.9	21.2	12 27	3 43.81	+22 36.6	2.090	2.938	11.5	20.8
203658	2002 <i>JX</i> ₁₆		11 26.2 177°22	0.6/26.0	18		407249	2009 <i>WG</i> ₁₈₇		11 26.3 4°70	0.6/26.5	18	
10 18	4 40.03	+19 27.2	2.207	2.982	14.0	21.4	10 18	4 33.26	+23 38.2	1.752	2.552	16.2	20.9
10 28	4 34.87	+19 28.4	2.117	2.984	11.1	21.2	10 28	4 30.23	+23 32.3	1.673	2.552	12.8	20.7
11 7	4 27.37	+19 26.5	2.051	2.986	7.6	21.0	11 7	4 24.54	+23 18.9	1.614	2.553	8.9	20.5
11 17	4 18.08	+19 21.6	2.011	2.986	3.8	20.7	11 17	4 16.78	+22 57.9	1.579	2.555	4.5	20.2
11 27	4 7.86	+19 14.7	2.001	2.987	0.7	20.5	11 27	4 8.00	+22 30.8	1.571	2.557	0.6	19.9
12 7	3 57.77	+19 7.4	2.021	2.987	4.5	20.8	12 7	3 59.43	+22 0.8	1.591	2.561	4.9	20.3
12 17	3 48.81	+19 1.8	2.070	2.986	8.3	21.0	12 17	3 52.21	+21 31.7	1.638	2.565	9.2	20.5
12 27	3 41.81	+19 0.5	2.146	2.985	11.7	21.2	12 27	3 47.24	+21 7.8	1.709	2.569	13.0	20.8
270186	2001 <i>SO</i> ₂₈₈		11 26.2 53°72	4.5/28.0	18		520530						

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
440041	2002 QN ₁₅		11 26.3 112°61'	7.2°/29.8	18		27644	1343 T-2		11 26.3 251°52'	1.9°/26.9	18	
10 18	4 43.85	+40 44.4	2.000	2.724	16.9	21.1	10 18	4 40.49	+25 57.5	1.678	2.464	17.3	19.1
10 28	4 38.84	+41 29.6	1.921	2.733	14.4	20.9	10 28	4 36.38	+26 8.4	1.585	2.454	14.0	18.8
11 7	4 30.59	+41 58.7	1.861	2.741	11.6	20.7	11 7	4 29.08	+26 10.7	1.511	2.444	10.0	18.6
11 17	4 19.81	+42 6.1	1.823	2.749	8.9	20.6	11 17	4 19.18	+26 2.5	1.462	2.434	5.4	18.3
11 27	4 7.77	+41 48.8	1.812	2.757	7.3	20.5	11 27	4 7.83	+25 43.1	1.439	2.424	1.9	18.0
12 7	3 56.03	+41 7.7	1.828	2.765	7.8	20.6	12 7	3 56.51	+25 14.9	1.445	2.414	5.5	18.3
12 17	3 46.02	+40 8.2	1.871	2.772	9.9	20.7	12 17	3 46.69	+24 42.4	1.478	2.403	10.2	18.5
12 27	3 38.83	+38 58.5	1.939	2.780	12.6	20.9	12 27	3 39.55	+24 11.4	1.535	2.392	14.5	18.7
44541	1999 AV ₆		11 26.3 270°65'	4.5°/24.8	18		18157	Craigwright		11 26.3 36°44'	3.4°/27.2	18	
10 18	4 37.73	+11 31.4	1.641	2.443	17.0	18.5	10 18	4 40.78	+27 3.2	1.477	2.270	19.0	18.1
10 28	4 33.85	+11 0.4	1.556	2.436	13.6	18.3	10 28	4 36.90	+27 47.3	1.405	2.276	15.3	17.9
11 7	4 27.12	+10 30.6	1.491	2.428	9.7	18.0	11 7	4 29.54	+28 23.2	1.351	2.283	11.0	17.6
11 17	4 18.12	+10 5.4	1.450	2.420	5.9	17.8	11 17	4 19.40	+28 47.2	1.321	2.290	6.4	17.4
11 27	4 7.90	+9 49.0	1.436	2.411	4.6	17.7	11 27	4 7.82	+28 56.8	1.317	2.298	3.4	17.2
12 7	3 57.77	+9 44.5	1.450	2.403	7.6	17.9	12 7	3 56.49	+28 53.1	1.339	2.306	6.2	17.4
12 17	3 49.00	+9 54.0	1.489	2.395	11.7	18.1	12 17	3 46.99	+28 39.9	1.388	2.315	10.6	17.7
12 27	3 42.61	+10 18.0	1.552	2.387	15.5	18.3	12 27	3 40.50	+28 23.4	1.460	2.323	14.7	18.0
348542	2005 UC ₂₅₁		11 26.3 30°37'	0.5°/26.4	16		220478	2004 CR ₁₅		11 26.3 111°34'	3.2°/25.1	18	
10 18	4 36.58	+23 18.6	1.073	1.904	22.2	20.5	10 18	4 41.00	+14 32.9	1.671	2.465	17.0	21.0
10 28	4 34.06	+23 11.0	1.025	1.922	17.5	20.3	10 28	4 36.07	+14 1.4	1.604	2.480	13.5	20.8
11 7	4 27.67	+22 53.3	0.993	1.940	12.0	20.0	11 7	4 28.37	+13 28.9	1.557	2.495	9.3	20.6
11 17	4 18.39	+22 25.8	0.982	1.960	6.0	19.8	11 17	4 18.61	+12 58.1	1.536	2.509	5.1	20.4
11 27	4 7.90	+21 51.4	0.994	1.981	0.6	19.5	11 27	4 7.95	+12 32.5	1.543	2.523	3.4	20.3
12 7	3 58.11	+21 15.2	1.031	2.003	6.5	20.0	12 7	3 57.67	+12 15.3	1.578	2.536	6.6	20.5
12 17	3 50.61	+20 43.5	1.092	2.026	12.0	20.3	12 17	3 48.94	+12 9.1	1.641	2.549	10.6	20.8
12 27	3 46.43	+20 21.4	1.174	2.050	16.6	20.7	12 27	3 42.63	+12 15.0	1.727	2.562	14.2	21.0
340256	2006 BW ₁₃₉		11 26.3 33°67'	5.1°/28.1	18 R		483164	2015 PK ₃₄		11 26.3 143°12'	5.2°/24.3	18	
10 18	4 39.83	+31 55.6	1.378	2.169	20.2	20.3	10 18	4 38.81	+6 19.2	2.160	2.937	14.2	21.7
10 28	4 36.46	+32 32.5	1.311	2.177	16.6	20.1	10 28	4 33.71	+5 47.0	2.086	2.947	11.5	21.5
11 7	4 29.36	+32 55.1	1.262	2.186	12.3	19.8	11 7	4 26.45	+5 19.7	2.035	2.957	8.5	21.4
11 17	4 19.31	+32 58.8	1.234	2.196	7.9	19.6	11 17	4 17.61	+5 0.6	2.010	2.965	6.0	21.2
11 27	4 7.81	+32 41.3	1.231	2.207	5.2	19.5	11 27	4 8.03	+4 53.0	2.014	2.974	5.3	21.2
12 7	3 56.72	+32 5.3	1.254	2.218	7.0	19.6	12 7	3 58.68	+4 58.8	2.046	2.982	7.2	21.4
12 17	3 47.71	+31 17.3	1.302	2.229	11.1	19.9	12 17	3 50.45	+5 18.4	2.107	2.989	10.0	21.5
12 27	3 41.95	+30 26.2	1.374	2.241	15.1	20.2	12 27	3 44.06	+5 51.1	2.193	2.995	12.7	21.7
329881	2005 EN ₁₇		11 26.3 165°32'	2.4°/27.2	17		83340	2001 RJ ₁₃₅		11 26.3 102°03'	1.7°/25.6	18	
10 18	4 43.99	+27 35.7	1.849	2.617	16.6	22.0	10 18	4 37.01	+17 6.1	2.003	2.792	14.8	20.4
10 28	4 38.65	+27 47.8	1.765	2.623	13.4	21.8	10 28	4 32.65	+16 51.6	1.924	2.799	11.6	20.2
11 7	4 30.32	+27 50.5	1.701	2.627	9.5	21.6	11 7	4 25.93	+16 35.0	1.867	2.805	8.0	20.0
11 17	4 19.64	+27 41.4	1.662	2.631	5.4	21.3	11 17	4 17.42	+16 17.4	1.835	2.811	4.1	19.7
11 27	4 7.79	+27 20.2	1.652	2.635	2.4	21.2	11 27	4 8.05	+16 0.9	1.833	2.817	1.8	19.6
12 7	3 56.18	+26 49.1	1.671	2.637	5.2	21.4	12 7	3 58.89	+15 47.9	1.859	2.823	5.1	19.8
12 17	3 46.12	+26 12.7	1.718	2.639	9.3	21.6	12 17	3 50.93	+15 40.8	1.914	2.829	9.0	20.1
12 27	3 38.62	+25 36.6	1.791	2.640	13.1	21.8	12 27	3 44.98	+15 41.5	1.994	2.834	12.3	20.3
517308	2014 HY ₁₇₈		11 26.3 251°02'	0.5°/26.4	18		493318	2014 UB ₁₉₆		11 26.3 84°61'	2.6°/27.4	17	
10 18	4 42.16	+20 2.1	1.894	2.675	15.8	21.2	10 18	4 37.48	+28 28.0	2.356	3.118	13.6	21.3
10 28	4 37.25	+20 40.7	1.799	2.667	12.6	21.0	10 28	4 32.92	+28 52.6	2.272	3.125	11.0	21.1
11 7	4 29.47	+21 18.7	1.724	2.659	8.8	20.7	11 7	4 26.07	+29 9.7	2.209	3.132	7.9	21.0
11 17	4 19.33	+21 54.4	1.676	2.651	4.4	20.4	11 17	4 17.49	+29 17.5	2.173	3.138	4.7	20.8
11 27	4 7.81	+22 26.2	1.656	2.642	0.6	20.1	11 27	4 8.04	+29 15.2	2.165	3.145	2.6	20.6
12 7	3 56.23	+22 53.9	1.666	2.634	5.0	20.4	12 7	3 58.73	+29 4.1	2.187	3.151	4.4	20.8
12 17	3 45.88	+23 18.2	1.705	2.625	9.4	20.7	12 17	3 50.53	+28 46.6	2.238	3.158	7.5	21.0
12 27	3 37.87	+23 41.7	1.769	2.616	13.3	20.9	12 27	3 44.24	+28 26.7	2.316	3.165	10.5	21.2
46471	1160 T-1		11 26.3 342°02'	13.0°/16.6	17		516004	2015 RS ₂₅₂		11 26.3 75°71'	2.1°/27.1	18	
10 18	4 27.83	-4 20.4	1.616	2.417	17.2	17.5	10 18	4 39.63	+26 25.3	1.831	2.611	16.3	21.1
10 28	4 26.01	-7 0.2	1.547	2.400	15.2	17.3	10 28	4 35.15	+26 42.7	1.756	2.622	13.1	20.9
11 7	4 21.70	-9 31.9	1.499	2.383	13.6	17.1	11 7	4 27.86	+26 51.9	1.702	2.633	9.2	20.7
11 17	4 15.43	-11 43.4	1.474	2.367	13.0	17.1	11 17	4 18.43	+26 51.2	1.673	2.644	5.1	20.5
11 27	4 8.13	-13 23.3	1.473	2.353	13.7	17.1	11 27	4 7.97	+26 40.4	1.671	2.655	2.1	20.3
12 7	4 0.92	-14 24.7	1.493	2.340	15.5	17.2	12 7	3 57.78	+26 21.3	1.698	2.666	5.0	20.5
12 17	3 54.88	-14 45.4	1.534	2.329	17.6	17.3	12 17	3 49.08	+25 57.8	1.753	2.676	9.0	20.8
12 27	3 50.91	-14 28.2	1.591	2.319	19.8	17.4	12 27	3 42.79	+25 34.6	1.833	2.687	12.6	21.0
320192	2007 GR ₆₀		11 26.3 158°43'	0.2°/26.4	18		520142	2014 BT ₆₈		11 26.3 301°28'	4.3°/24.8	18	
10 18	4 35.33	+23 13.1	2.733	3.501	11.8	21.4	10 18	4 36.50	+12 47.8	1.531	2.341	17.6	21.4
10 28	4 30.71	+22 57.1	2.644	3.506	9.3	21.3	10 28	4 33.16	+12 13.5	1.445	2.330	14.1	21.1
11 7	4 24.26	+22 35.4	2.579	3.511	6.4	21.1	11 7	4 26.82	+11 38.9	1.379	2.319	10.1	20.9
11 17	4 16.48	+22 8.5	2.541	3.515	3.2	20.9	11 17	4 18.07	+11 7.6	1.337	2.309	6.0	20.6
11 27	4 8.06	+21 37.6	2.533	3.519	0.3	20.6	11 27	4 7.99	+10 44.0	1.321	2.299	4.5	20.5
12 7	3 59.80	+21 5.1	2.556	3.523	3.6	20.9	12 7	3 57.98	+10 32.1	1.332	2.289	7.7	20.7
12 17	3 52.45	+20 33.5	2.609	3.527	6.7	21.1	12 17	3 49.38	+10 34.6	1.368	2.279	12.1	20.9
12 27	3 46.63	+20 5.8	2.690	3.530	9.5	21.3	12 27	3 43.30	+10 52.6	1.427	2.269	16.2	21.1
490893	2011 BS ₆₇		11 26.3 291°70'	2.9°/27.8	17		143291	2003 AZ ₃₃		11 26.3 215°44'	2.6°/27.4	18	
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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
182452	2001 <i>SJ</i> ₅₀		11 26.3 327°29	6°0/27.3 17			363672	2004 <i>TG</i> ₆₅		11 26.3 53°95	4°2/24.5 18		
10 18	4 40.62	+30 38.2	1.640	2.418	18.0	19.1	10 18	4 35.49	+11 19.7	1.879	2.677	15.3	20.8
10 28	4 37.16	+32 7.0	1.544	2.401	15.0	18.9	10 28	4 31.34	+10 37.4	1.821	2.698	12.1	20.6
11 7	4 30.16	+33 31.0	1.467	2.385	11.5	18.6	11 7	4 24.92	+9 56.8	1.784	2.719	8.6	20.4
11 17	4 20.00	+34 43.7	1.414	2.370	7.9	18.4	11 17	4 16.87	+9 21.3	1.773	2.740	5.3	20.3
11 27	4 7.81	+35 38.6	1.387	2.355	6.0	18.2	11 27	4 8.16	+8 54.6	1.789	2.762	4.3	20.3
12 7	3 55.26	+36 12.5	1.387	2.341	7.8	18.3	12 7	3 59.82	+8 39.5	1.834	2.783	6.7	20.4
12 17	3 44.15	+36 26.4	1.413	2.328	11.4	18.5	12 17	3 52.76	+8 37.6	1.906	2.805	9.9	20.7
12 27	3 36.02	+36 26.2	1.462	2.315	15.2	18.7	12 27	3 47.69	+8 49.1	2.002	2.827	12.9	20.9
242905	2006 <i>KS</i> ₁₂₂		11 26.3 116°59	4°7/27.4 18			450186	2001 <i>WA</i> ₂₁		11 26.3 335°66	2°3/26.8 18		
10 18	4 50.35	+30 15.4	2.148	2.886	15.5	20.2	10 18	4 40.42	+24 8.8	1.839	2.620	16.2	20.5
10 28	4 43.56	+31 42.7	2.067	2.901	12.7	20.0	10 28	4 36.08	+25 2.3	1.749	2.616	13.0	20.3
11 7	4 33.73	+33 3.8	2.008	2.915	9.5	19.9	11 7	4 28.78	+25 52.7	1.680	2.611	9.3	20.0
11 17	4 21.43	+34 12.9	1.977	2.929	6.3	19.7	11 17	4 19.07	+26 36.9	1.636	2.607	5.1	19.8
11 27	4 7.76	+35 5.4	1.976	2.943	4.7	19.6	11 27	4 7.97	+27 12.5	1.620	2.603	2.3	19.6
12 7	3 54.12	+35 39.4	2.006	2.956	6.1	19.7	12 7	3 56.84	+27 38.4	1.633	2.600	5.3	19.8
12 17	3 41.90	+35 56.7	2.066	2.969	9.0	19.9	12 17	3 47.01	+27 56.1	1.674	2.597	9.4	20.0
12 27	3 32.21	+36 2.2	2.152	2.982	12.0	20.2	12 27	3 39.61	+28 9.1	1.740	2.594	13.2	20.2
490021	2008 <i>SJ</i> ₂₇₀		11 26.3 349°54	3°4/27.3 17			294133	2007 <i>TH</i> ₂₇₇		11 26.3 132°20	0°5/26.5 18		
10 18	4 37.49	+28 20.8	2.071	2.842	14.9	21.4	10 18	4 39.68	+24 14.5	2.102	2.875	14.7	21.1
10 28	4 33.47	+29 9.3	1.980	2.838	12.1	21.2	10 28	4 34.68	+24 0.0	2.022	2.887	11.6	20.9
11 7	4 26.80	+29 51.3	1.911	2.835	8.9	21.0	11 7	4 27.27	+23 37.9	1.965	2.898	8.0	20.7
11 17	4 18.01	+30 24.0	1.867	2.831	5.5	20.8	11 17	4 18.08	+23 8.2	1.934	2.908	4.1	20.5
11 27	4 8.03	+30 45.1	1.851	2.829	3.4	20.6	11 27	4 8.07	+22 32.6	1.932	2.919	0.6	20.3
12 7	3 58.05	+30 54.4	1.864	2.827	5.2	20.7	12 7	3 58.35	+21 53.9	1.960	2.928	4.4	20.6
12 17	3 49.26	+30 54.1	1.905	2.825	8.6	20.9	12 17	3 49.92	+21 16.1	2.017	2.937	8.2	20.8
12 27	3 42.63	+30 48.1	1.971	2.824	11.9	21.1	12 27	3 43.57	+20 43.2	2.101	2.946	11.6	21.1
339069	2004 <i>PQ</i> ₁₀₂		11 26.3 93°95	3°1/27.6 18			518344	2017 <i>CK</i> ₂₉		11 26.3 153°36	5°9/22.7 18		
10 18	4 41.79	+30 1.7	1.712	2.486	17.5	20.6	10 18	4 33.34	+1 26.5	2.802	3.568	11.6	22.0
10 28	4 37.06	+30 7.2	1.640	2.500	14.2	20.4	10 28	4 28.96	+0 29.7	2.728	3.575	9.6	21.9
11 7	4 29.25	+30 0.2	1.588	2.513	10.2	20.2	11 7	4 22.99	-0 21.5	2.679	3.581	7.6	21.8
11 17	4 19.12	+29 38.4	1.560	2.527	6.0	20.0	11 17	4 15.88	-1 3.2	2.656	3.587	6.2	21.7
11 27	4 7.95	+29 2.1	1.560	2.541	3.1	19.8	11 27	4 8.25	-1 32.0	2.662	3.592	6.1	21.7
12 7	3 57.21	+28 14.7	1.588	2.554	5.4	20.0	12 7	4 0.77	-1 45.7	2.696	3.597	7.3	21.8
12 17	3 48.19	+27 21.9	1.643	2.567	9.4	20.2	12 17	3 54.08	-1 43.6	2.758	3.602	9.2	21.9
12 27	3 41.85	+26 30.5	1.723	2.580	13.2	20.5	12 27	3 48.72	-1 26.3	2.844	3.607	11.1	22.0
131100	2001 <i>AB</i> ₂₀		11 26.3 37°92	1°1/25.8 18			303535	2005 <i>EK</i> ₂₆₉		11 26.3 224°42	5°0/28.3 18		
10 18	4 36.57	+21 34.9	1.595	2.398	17.4	19.1	10 18	4 42.97	+34 45.3	2.323	3.057	14.5	21.4
10 28	4 32.96	+20 52.4	1.520	2.403	13.7	18.9	10 28	4 37.75	+35 31.0	2.220	3.048	12.1	21.2
11 7	4 26.46	+20 1.0	1.465	2.407	9.4	18.7	11 7	4 29.76	+36 6.7	2.139	3.038	9.4	21.0
11 17	4 17.77	+19 2.9	1.435	2.412	4.6	18.4	11 17	4 19.51	+36 28.4	2.083	3.028	6.6	20.8
11 27	4 8.06	+18 2.1	1.432	2.418	1.3	18.2	11 27	4 7.95	+36 33.2	2.055	3.017	5.0	20.7
12 7	3 58.69	+17 4.0	1.457	2.423	5.8	18.5	12 7	3 56.35	+36 20.8	2.056	3.006	6.0	20.7
12 17	3 50.86	+16 14.2	1.508	2.429	10.4	18.8	12 17	3 45.93	+35 54.2	2.087	2.994	8.7	20.9
12 27	3 45.52	+15 37.1	1.583	2.435	14.4	19.0	12 27	3 37.75	+35 18.7	2.143	2.982	11.7	21.0
150049	2006 <i>OE</i> ₁		11 26.3 100°36	3°7/24.9 18			107953	2001 <i>FV</i> ₁₂₀		11 26.3 226°68	5°9/23.2 18		
10 18	4 37.37	+11 54.2	1.925	2.717	15.2	20.4	10 18	4 35.67	+7 39.6	2.037	2.827	14.5	20.0
10 28	4 32.95	+11 29.4	1.850	2.725	12.1	20.2	10 28	4 31.56	+6 30.5	1.952	2.821	11.8	19.8
11 7	4 26.14	+11 5.9	1.798	2.733	8.5	20.0	11 7	4 25.19	+5 22.8	1.889	2.814	8.9	19.6
11 17	4 17.54	+10 46.5	1.771	2.740	5.1	19.9	11 17	4 17.11	+4 21.6	1.853	2.807	6.5	19.5
11 27	4 8.09	+10 34.0	1.772	2.748	3.8	19.8	11 27	4 8.15	+3 32.2	1.844	2.801	6.1	19.4
12 7	3 58.88	+10 30.8	1.802	2.755	6.4	20.0	12 7	3 59.33	+2 58.9	1.864	2.793	8.2	19.6
12 17	3 50.90	+10 38.4	1.859	2.763	9.9	20.2	12 17	3 51.57	+2 44.1	1.910	2.786	11.2	19.7
12 27	3 44.95	+10 57.2	1.941	2.770	13.1	20.4	12 27	3 45.69	+2 48.2	1.979	2.778	14.1	19.9
41761	2000 <i>VP</i> ₃₄		11 26.3 49°07	1°1/25.9 18			227665	2006 <i>BD</i> ₂₀₄		11 26.3 126°03	1°1/26.9 18		
10 18	4 40.61	+21 23.4	1.096	1.921	22.2	18.2	10 18	4 36.52	+25 18.8	2.568	3.333	12.5	21.6
10 28	4 36.97	+20 51.3	1.050	1.944	17.5	18.0	10 28	4 31.83	+25 19.7	2.483	3.342	9.9	21.4
11 7	4 29.51	+20 10.5	1.020	1.967	11.9	17.7	11 7	4 25.16	+25 14.4	2.422	3.351	6.9	21.3
11 17	4 19.27	+19 23.1	1.013	1.991	5.8	17.5	11 17	4 17.01	+25 2.2	2.388	3.360	3.7	21.1
11 27	4 7.97	+18 33.7	1.029	2.016	1.3	17.3	11 27	4 8.17	+24 43.9	2.384	3.369	1.1	20.9
12 7	3 57.49	+17 48.7	1.071	2.041	6.9	17.7	12 7	3 59.51	+24 21.3	2.410	3.378	3.7	21.1
12 17	3 49.37	+17 13.8	1.138	2.066	12.2	18.1	12 17	3 51.85	+23 56.9	2.466	3.386	6.9	21.3
12 27	3 44.57	+16 53.1	1.225	2.091	16.7	18.4	12 27	3 45.86	+23 34.0	2.549	3.394	9.8	21.5
387784	2003 <i>UE</i> ₂₉₇		11 26.3 56°91	2°7/27.3 18			140163	2001 <i>SM</i> ₁₇₇		11 26.3 51°86	2°9/25.1 18		
10 18	4 40.92	+27 38.4	1.558	2.345	18.4	21.0	10 18	4 35.83	+14 43.7	1.842	2.641	15.5	20.2
10 28	4 36.54	+27 57.4	1.496	2.365	14.7	20.8	10 28	4 31.90	+14 14.8	1.768	2.648	12.3	20.0
11 7	4 28.96	+28 5.9	1.454	2.385	10.5	20.6	11 7	4 25.50	+13 44.8	1.716	2.655	8.5	19.8
11 17	4 19.00	+28 1.7	1.435	2.405	5.9	20.4	11 17	4 17.26	+13 16.2	1.689	2.662	4.7	19.6
11 27	4 7.99	+27 44.6	1.443	2.425	2.7	20.2	11 27	4 8.16	+12 52.1	1.690	2.670	3.1	19.5
12 7	3 57.45	+27 17.3	1.478	2.446	5.5	20.4	12 7	3 59.30	+12 35.6	1.719	2.678	6.0	19.7
12 17	3 48.75	+26 45.0	1.540	2.466	9.8	20.7	12 17	3 51.72	+12 28.9	1.775	2.686	9.8	19.9
12 27	3 42.83	+26 13.6	1.627	2.487	13.6	21.0	12 27	3 46.24	+12 33.5	1.856	2.694	13.2	20.2
409195	2003 <i>UQ</i> ₃₄₄		11 26.3 335°85	5°8/22.9 17			459260	2012 <i>FW</i> ₅₂					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
485619	2011 <i>UR</i> ₃₃₆		11 26.3	9°38'	11.7°/30.3	17	137153	1999 <i>EC</i>		11 26.3	197°57'	2°5'/27.3	18
10 18	4 40.47	+42 57.7	1.369	2.125	21.9	20.6	10 18	4 38.71	+28 2.2	2.059	2.829	15.1	20.1
10 28	4 38.19	+44 44.2	1.303	2.127	19.2	20.4	10 28	4 34.32	+28 19.9	1.970	2.828	12.2	19.9
11 7	4 31.40	+46 11.5	1.253	2.131	16.1	20.2	11 7	4 27.31	+28 29.1	1.902	2.828	8.7	19.6
11 17	4 20.74	+47 9.3	1.222	2.136	13.4	20.1	11 17	4 18.26	+28 28.0	1.859	2.827	5.1	19.4
11 27	4 7.87	+47 29.0	1.212	2.142	11.8	20.0	11 27	4 8.13	+28 15.9	1.845	2.826	2.5	19.3
12 7	3 55.18	+47 9.4	1.225	2.149	12.2	20.0	12 7	3 58.14	+27 54.4	1.859	2.825	4.8	19.4
12 17	3 44.95	+46 16.9	1.261	2.157	14.2	20.2	12 17	3 49.40	+27 27.0	1.902	2.825	8.5	19.6
12 27	3 38.79	+45 3.6	1.317	2.167	16.9	20.4	12 27	3 42.85	+26 58.5	1.971	2.824	11.9	19.8
269009	2007 <i>EN</i> ₁₃₇		11 26.3	137°78'	0°6'/26.5	18 R	48999	1998 <i>QM</i> ₅₂		11 26.3	3°59'	5°8'/24.6	18
10 18	4 41.45	+23 49.8	1.898	2.676	15.9	21.5	10 18	4 35.85	+10 45.8	1.294	2.117	19.5	18.0
10 28	4 36.38	+23 41.7	1.819	2.686	12.6	21.3	10 28	4 32.99	+9 59.8	1.225	2.116	15.7	17.7
11 7	4 28.61	+23 26.1	1.762	2.696	8.7	21.1	11 7	4 26.86	+9 15.7	1.175	2.116	11.3	17.5
11 17	4 18.82	+23 2.6	1.731	2.705	4.4	20.8	11 17	4 18.16	+8 38.9	1.148	2.117	7.2	17.3
11 27	4 8.06	+22 32.6	1.728	2.714	0.6	20.6	11 27	4 8.16	+8 15.1	1.145	2.118	6.0	17.2
12 7	3 57.61	+21 59.1	1.754	2.722	4.8	20.9	12 7	3 58.44	+8 8.7	1.167	2.120	9.1	17.4
12 17	3 48.59	+21 26.1	1.809	2.730	9.0	21.2	12 17	3 50.41	+8 21.6	1.212	2.122	13.4	17.6
12 27	3 41.90	+20 57.9	1.890	2.737	12.6	21.4	12 27	3 45.19	+8 53.1	1.279	2.125	17.5	17.9
415397	2013 <i>OG</i> ₄		11 26.3	119°26'	6°1'/23.8	18	331283	2011 <i>DQ</i> ₂₅		11 26.3	261°23'	6°1'/23.1	17
10 18	4 35.66	- 0 17.5	2.650	3.411	12.3	20.5	10 18	4 33.24	+ 3 2.5	2.453	3.231	12.7	21.7
10 28	4 30.83	- 0 45.8	2.580	3.422	10.2	20.4	10 28	4 29.30	+ 2 12.3	2.365	3.221	10.5	21.6
11 7	4 24.30	- 1 6.0	2.534	3.433	8.1	20.3	11 7	4 23.49	+ 1 27.1	2.299	3.210	8.2	21.4
11 17	4 16.55	- 1 14.8	2.513	3.444	6.5	20.2	11 17	4 16.26	+ 0 51.1	2.259	3.200	6.5	21.3
11 27	4 8.24	- 1 9.6	2.521	3.454	6.2	20.2	11 27	4 8.31	+ 0 28.3	2.247	3.189	6.3	21.3
12 7	4 0.13	- 0 49.3	2.557	3.464	7.4	20.3	12 7	4 0.42	+ 0 21.2	2.263	3.179	7.8	21.3
12 17	3 52.89	- 0 14.4	2.622	3.474	9.3	20.4	12 17	3 53.37	+ 0 30.8	2.306	3.168	10.1	21.5
12 27	3 47.11	+ 0 33.8	2.711	3.484	11.4	20.6	12 27	3 47.82	+ 0 56.7	2.374	3.157	12.5	21.6
352959	2009 <i>BP</i> ₃₈		11 26.3	148°08'	2°7'/27.4	18	320169	2007 <i>GZ</i> ₇		11 26.3	131°46'	3°5'/27.9	17
10 18	4 39.47	+28 31.4	1.902	2.675	16.0	21.4	10 18	4 39.15	+31 15.1	2.370	3.121	13.8	21.1
10 28	4 35.11	+28 44.4	1.817	2.677	13.0	21.2	10 28	4 34.38	+31 47.7	2.282	3.126	11.3	21.0
11 7	4 27.94	+28 47.5	1.752	2.678	9.3	21.0	11 7	4 27.20	+32 11.6	2.216	3.130	8.4	20.8
11 17	4 18.57	+28 38.9	1.712	2.680	5.4	20.7	11 17	4 18.17	+32 24.1	2.176	3.134	5.4	20.6
11 27	4 8.09	+28 18.1	1.700	2.681	2.7	20.6	11 27	4 8.18	+32 23.9	2.164	3.138	3.5	20.5
12 7	3 57.79	+27 47.2	1.716	2.683	5.1	20.7	12 7	3 58.30	+32 11.7	2.182	3.142	4.9	20.6
12 17	3 48.90	+27 10.5	1.760	2.684	9.0	21.0	12 17	3 49.56	+31 50.5	2.229	3.146	7.8	20.8
12 27	3 42.40	+26 33.6	1.830	2.685	12.6	21.2	12 27	3 42.82	+31 24.5	2.303	3.149	10.7	21.0
162320	1999 <i>XN</i> ₂₇		11 26.3	343°23'	1°6'/25.7	18	229798	2008 <i>SK</i> ₁₅		11 26.3	63°21'	0°5'/26.0	18
10 18	4 31.27	+19 38.6	1.288	2.118	19.2	19.1	10 18	4 35.13	+20 39.1	2.195	2.980	13.8	21.2
10 28	4 29.73	+19 14.0	1.207	2.105	15.3	18.8	10 28	4 31.01	+20 24.0	2.117	2.989	10.8	21.0
11 7	4 24.86	+18 42.1	1.144	2.092	10.6	18.5	11 7	4 24.74	+20 4.2	2.062	2.999	7.4	20.8
11 17	4 17.27	+18 4.9	1.103	2.081	5.3	18.1	11 17	4 16.89	+19 40.6	2.033	3.010	3.6	20.6
11 27	4 8.18	+17 26.3	1.086	2.072	1.8	17.9	11 27	4 8.30	+19 15.0	2.033	3.020	0.7	20.4
12 7	3 59.19	+16 51.4	1.095	2.064	6.8	18.2	12 7	3 59.93	+18 49.9	2.063	3.030	4.3	20.7
12 17	3 51.83	+16 25.3	1.127	2.057	12.2	18.5	12 17	3 52.67	+18 28.2	2.121	3.040	8.0	20.9
12 27	3 47.31	+16 12.4	1.181	2.051	16.9	18.7	12 27	3 47.24	+18 12.4	2.206	3.051	11.1	21.1
221829	2008 <i>EG</i> ₁₀₉		11 26.3	112°08'	3°9'/25.0	18	366521	2002 <i>PA</i> ₁₉₄		11 26.3	134°47'	1°0'/26.9	17
10 18	4 41.38	+12 48.7	1.641	2.436	17.3	20.9	10 18	4 35.27	+26 37.6	2.513	3.280	12.7	21.5
10 28	4 36.44	+12 18.1	1.574	2.451	13.7	20.7	10 28	4 30.95	+26 16.7	2.424	3.284	10.1	21.4
11 7	4 28.70	+11 48.2	1.528	2.465	9.6	20.5	11 7	4 24.62	+25 47.3	2.358	3.287	7.1	21.2
11 17	4 18.86	+11 22.0	1.507	2.478	5.6	20.3	11 17	4 16.81	+25 9.7	2.319	3.291	3.7	21.0
11 27	4 8.08	+11 3.0	1.514	2.491	4.0	20.2	11 27	4 8.31	+24 25.2	2.309	3.294	1.0	20.8
12 7	3 57.68	+10 54.1	1.549	2.504	7.0	20.5	12 7	4 0.01	+23 36.7	2.329	3.298	3.8	21.0
12 17	3 48.85	+10 57.4	1.610	2.517	10.9	20.7	12 17	3 52.72	+22 47.9	2.380	3.301	7.1	21.2
12 27	3 42.46	+11 13.3	1.696	2.528	14.5	21.0	12 27	3 47.13	+22 2.6	2.457	3.304	10.1	21.4
392180	2009 <i>LO</i> ₆		11 26.3	130°03'	10°8'/20.7	17	108289	2001 <i>HP</i> ₆₂		11 26.3	100°08'	0°3'/26.2	18
10 18	4 42.11	+ 9 28.5	1.129	1.950	21.9	20.9	10 18	4 43.34	+21 31.4	1.681	2.466	17.3	20.7
10 28	4 38.04	+ 6 22.6	1.071	1.957	17.8	20.6	10 28	4 37.99	+21 21.2	1.616	2.488	13.6	20.5
11 7	4 30.28	+ 3 11.3	1.033	1.964	13.7	20.4	11 7	4 29.75	+21 4.8	1.573	2.509	9.3	20.3
11 17	4 19.75	+ 0 10.4	1.020	1.970	11.0	20.3	11 17	4 19.39	+20 42.6	1.554	2.530	4.6	20.1
11 27	4 8.02	- 2 22.3	1.032	1.976	11.5	20.4	11 27	4 8.13	+20 16.3	1.564	2.550	0.5	19.8
12 7	3 56.89	- 4 13.7	1.068	1.982	14.6	20.5	12 7	3 57.34	+19 49.2	1.603	2.570	5.2	20.2
12 17	3 47.90	- 5 18.9	1.126	1.987	18.4	20.8	12 17	3 48.24	+19 25.2	1.669	2.589	9.6	20.5
12 27	3 42.11	- 5 40.4	1.202	1.991	21.9	21.1	12 27	3 41.70	+19 8.0	1.760	2.608	13.4	20.8
493366	2014 <i>WW</i> ₆₅		11 26.3	34°60'	0°7'/26.0	17	147000	2002 <i>PD</i> ₁₀₀		11 26.3	89°26'	1°5'/25.9	18
10 18	4 35.30	+18 53.7	2.009	2.801	14.6	21.2	10 18	4 43.75	+17 30.4	1.525	2.320	18.4	20.2
10 28	4 31.35	+18 56.5	1.935	2.812	11.5	21.0	10 28	4 38.55	+17 28.3	1.464	2.341	14.5	20.0
11 7	4 25.08	+18 56.6	1.883	2.822	7.9	20.8	11 7	4 30.27	+17 24.0	1.423	2.362	9.9	19.8
11 17	4 17.06	+18 54.6	1.857	2.833	3.9	20.6	11 17	4 19.68	+17 18.3	1.406	2.382	4.9	19.5
11 27	4 8.22	+18 51.5	1.859	2.845	0.8	20.4	11 27	4 8.11	+17 12.8	1.417	2.403	1.6	19.4
12 7	3 59.61	+18 49.1	1.890	2.857	4.6	20.7	12 7	3 57.01	+17 9.7	1.456	2.422	5.9	19.7
12 17	3 52.18	+18 49.3	1.949	2.869	8.4	20.9	12 17	3 47.71	+17 11.5	1.523	2.442	10.5	20.0
12 27	3 46.72	+18 54.2	2.033	2.882	11.8	21.2	12 27	3 41.14	+17 20.5	1.613	2.460	14.4	20.3
26964	1997 <i>RO</i>		11 26.3	121°53'	2°7'/25.1	18	324202	2006 <i>AF</i>					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
394966	2008 YW ₁₄₀		11 26.3 204°63	1.0°/25.9	18		399329	1999 TF ₂₃₂		11 26.3 41°53	2.4°/25.8	18	
10 18	4 37.74	+19 47.3	1.987	2.774	15.0	21.9	10 18	4 39.64	+13 34.2	1.647	2.446	17.1	19.7
10 28	4 33.43	+19 26.2	1.899	2.772	11.9	21.7	10 28	4 35.02	+13 48.7	1.592	2.471	13.4	19.6
11 7	4 26.64	+19 0.1	1.832	2.770	8.2	21.5	11 7	4 27.70	+14 5.5	1.557	2.496	9.2	19.4
11 17	4 17.94	+18 30.0	1.791	2.767	4.1	21.2	11 17	4 18.41	+14 25.3	1.547	2.522	4.9	19.2
11 27	4 8.26	+17 58.1	1.779	2.764	1.2	21.0	11 27	4 8.28	+14 48.9	1.565	2.548	2.5	19.1
12 7	3 58.73	+17 27.7	1.796	2.761	5.0	21.3	12 7	3 58.58	+15 16.7	1.611	2.575	5.8	19.3
12 17	3 50.41	+17 2.0	1.841	2.758	9.1	21.5	12 17	3 50.43	+15 49.0	1.684	2.602	9.8	19.6
12 27	3 44.16	+16 44.3	1.911	2.755	12.7	21.8	12 27	3 44.65	+16 26.3	1.782	2.629	13.3	19.9
47089	1999 AC ₇		11 26.3 289°97	5.3°/24.5	18		481265	2005 XV ₇₂		11 26.3 29°74	4.5°/28.3	16	
10 18	4 37.00	+10 28.9	1.577	2.383	17.4	19.0	10 18	4 37.54	+32 31.3	1.142	1.951	22.5	20.2
10 28	4 33.45	+9 46.2	1.493	2.374	14.0	18.7	10 28	4 35.10	+32 33.5	1.088	1.966	18.3	20.0
11 7	4 27.00	+9 4.7	1.430	2.366	10.2	18.5	11 7	4 28.61	+32 15.5	1.051	1.983	13.4	19.8
11 17	4 18.24	+8 29.0	1.390	2.357	6.5	18.3	11 17	4 19.07	+31 34.6	1.033	2.000	8.2	19.5
11 27	4 8.24	+8 4.1	1.377	2.349	5.5	18.2	11 27	4 8.23	+30 31.9	1.039	2.019	4.6	19.4
12 7	3 58.33	+7 54.0	1.390	2.340	8.3	18.3	12 7	3 58.12	+29 14.4	1.070	2.039	6.9	19.6
12 17	3 49.80	+8 0.8	1.429	2.332	12.3	18.6	12 17	3 50.41	+27 52.1	1.125	2.060	11.6	19.9
12 27	3 43.69	+8 24.9	1.490	2.324	16.1	18.8	12 27	3 46.17	+26 35.5	1.202	2.081	16.0	20.3
313517	2002 WR ₂₇		11 26.3 357°62	2.6°/25.7	18		522128	2016 AC ₂₄₄		11 26.3 354°10	1.5°/25.7	16	
10 18	4 37.36	+13 52.4	1.636	2.440	16.9	20.6	10 18	4 33.03	+18 9.7	1.813	2.617	15.5	21.3
10 28	4 33.65	+13 59.0	1.556	2.438	13.5	20.4	10 28	4 29.99	+17 55.4	1.730	2.613	12.3	21.1
11 7	4 27.09	+14 7.8	1.496	2.436	9.4	20.1	11 7	4 24.42	+17 37.9	1.667	2.609	8.5	20.9
11 17	4 18.27	+14 20.0	1.461	2.436	5.0	19.9	11 17	4 16.90	+17 18.5	1.630	2.606	4.3	20.6
11 27	4 8.25	+14 36.9	1.452	2.435	2.7	19.7	11 27	4 8.38	+16 59.3	1.619	2.604	1.6	20.4
12 7	3 58.36	+14 59.6	1.472	2.436	6.2	20.0	12 7	3 59.98	+16 43.4	1.637	2.603	5.3	20.7
12 17	3 49.84	+15 28.9	1.518	2.436	10.5	20.2	12 17	3 52.80	+16 33.3	1.681	2.602	9.5	20.9
12 27	3 43.72	+16 5.4	1.588	2.438	14.4	20.5	12 27	3 47.72	+16 31.6	1.750	2.603	13.2	21.2
347015	2010 DL ₇₄		11 26.3 66°02	1.9°/27.1	18		231227	2005 WZ ₁₇₇		11 26.3 56°93	0.1°/26.4	18	
10 18	4 39.63	+26 27.1	1.651	2.438	17.5	20.9	10 18	4 41.40	+21 27.2	1.392	2.196	19.4	20.4
10 28	4 35.54	+26 34.1	1.575	2.446	14.0	20.7	10 28	4 37.09	+21 32.3	1.334	2.216	15.3	20.2
11 7	4 28.38	+26 31.4	1.520	2.453	9.9	20.5	11 7	4 29.47	+21 31.5	1.296	2.237	10.5	20.0
11 17	4 18.87	+26 17.8	1.488	2.461	5.4	20.3	11 17	4 19.38	+21 24.6	1.281	2.258	5.2	19.7
11 27	4 8.21	+25 53.4	1.484	2.468	1.9	20.1	11 27	4 8.23	+21 12.6	1.293	2.280	0.4	19.4
12 7	3 57.85	+25 21.1	1.507	2.476	5.3	20.3	12 7	3 57.61	+20 58.4	1.331	2.301	5.7	19.9
12 17	3 49.11	+24 45.8	1.558	2.484	9.7	20.6	12 17	3 48.92	+20 45.8	1.396	2.323	10.6	20.2
12 27	3 43.00	+24 13.0	1.633	2.492	13.6	20.8	12 27	3 43.12	+20 38.9	1.484	2.344	14.7	20.5
83429	2001 SG ₄₆		11 26.3 139°23	2.9°/25.1	18		280392	2003 UR ₂₃₈		11 26.3 107°81	3.9°/24.4	18	
10 18	4 40.75	+14 34.3	1.951	2.735	15.3	20.3	10 18	4 38.45	+13 25.1	1.958	2.747	15.1	20.9
10 28	4 35.58	+14 3.8	1.876	2.747	12.1	20.1	10 28	4 33.64	+12 22.7	1.892	2.765	11.9	20.7
11 7	4 27.96	+13 32.2	1.824	2.758	8.4	19.9	11 7	4 26.53	+11 18.7	1.848	2.782	8.4	20.5
11 17	4 18.52	+13 1.7	1.797	2.769	4.6	19.7	11 17	4 17.79	+10 17.4	1.830	2.798	5.1	20.4
11 27	4 8.25	+12 35.4	1.800	2.779	3.0	19.6	11 27	4 8.35	+9 23.2	1.841	2.814	4.1	20.3
12 7	3 58.26	+12 16.3	1.832	2.789	5.9	19.8	12 7	3 59.27	+8 40.4	1.881	2.830	6.6	20.5
12 17	3 49.58	+12 6.7	1.892	2.798	9.6	20.0	12 17	3 51.49	+8 11.8	1.949	2.845	9.9	20.8
12 27	3 43.01	+12 8.0	1.978	2.806	12.9	20.3	12 27	3 45.71	+7 58.7	2.042	2.860	13.0	21.0
496275	2012 TG ₁₂₃		11 26.3 129°78	4.9°/23.6	17		46032	2001 DM ₂₉		11 26.3 104°98	0.2°/26.3	18	
10 18	4 43.94	+21 52.2	1.128	1.944	22.2	20.4	10 18	4 40.75	+20 47.8	1.482	2.283	18.5	19.7
10 28	4 39.75	+19 20.5	1.059	1.949	17.6	20.1	10 28	4 36.75	+20 50.5	1.404	2.285	14.8	19.5
11 7	4 31.61	+16 26.3	1.009	1.954	12.2	19.8	11 7	4 29.44	+20 48.1	1.346	2.286	10.2	19.2
11 17	4 20.49	+13 19.2	0.983	1.959	6.7	19.5	11 17	4 19.51	+20 40.4	1.310	2.287	5.1	18.9
11 27	4 8.11	+10 15.1	0.985	1.963	5.5	19.5	11 27	4 8.21	+20 28.3	1.302	2.288	0.5	18.6
12 7	3 56.43	+7 31.9	1.014	1.967	10.2	19.8	12 7	3 57.12	+20 14.5	1.321	2.290	5.8	19.0
12 17	3 47.10	+5 22.9	1.068	1.971	15.5	20.1	12 17	3 47.71	+20 2.8	1.366	2.291	10.9	19.3
12 27	3 41.20	+3 53.8	1.143	1.974	20.1	20.4	12 27	3 41.13	+19 57.0	1.434	2.292	15.2	19.5
113551	2002 TK ₂₈		11 26.3 187°91	3.7°/28.0	18		173677	2001 OV ₁₈		11 26.3 124°90	13.7°/3.6	18	
10 18	4 39.14	+32 33.4	2.754	3.492	12.4	20.1	10 18	4 55.19	+50 52.4	1.252	1.966	25.6	20.0
10 28	4 34.14	+33 14.2	2.658	3.491	10.2	19.9	10 28	4 50.93	+51 51.3	1.185	1.973	22.8	19.8
11 7	4 26.96	+33 47.2	2.585	3.491	7.7	19.7	11 7	4 40.65	+52 19.4	1.130	1.979	19.7	19.6
11 17	4 18.08	+34 9.6	2.538	3.490	5.2	19.6	11 17	4 25.38	+52 3.0	1.092	1.986	16.5	19.5
11 27	4 8.27	+34 19.8	2.521	3.489	3.7	19.5	11 27	4 7.80	+50 52.3	1.074	1.992	14.2	19.4
12 7	3 58.49	+34 18.0	2.534	3.488	4.7	19.5	12 7	3 51.32	+48 49.3	1.078	1.997	13.9	19.4
12 17	3 49.65	+34 6.1	2.576	3.486	7.2	19.7	12 17	3 38.76	+46 8.4	1.106	2.003	15.6	19.5
12 27	3 42.55	+33 47.9	2.645	3.484	9.7	19.9	12 27	3 31.56	+43 11.1	1.155	2.007	18.5	19.7
123088	2000 SU ₃₂₇		11 26.3 348°32	2.5°/27.4	17		46737	Anpanman		11 26.3 215°19	0.1°/26.3	18	
10 18	4 33.46	+28 24.3	1.597	2.395	17.6	19.5	10 18	4 34.99	+21 15.6	2.752	3.523	11.6	19.6
10 28	4 30.99	+28 23.4	1.511	2.387	14.2	19.3	10 28	4 30.60	+21 9.0	2.654	3.518	9.2	19.5
11 7	4 25.47	+28 10.0	1.445	2.380	10.2	19.0	11 7	4 24.38	+20 58.3	2.579	3.512	6.3	19.3
11 17	4 17.53	+27 43.0	1.402	2.373	5.8	18.8	11 17	4 16.77	+20 43.9	2.532	3.507	3.1	19.1
11 27	4 8.32	+27 2.7	1.384	2.368	2.5	18.6	11 27	4 8.44	+20 26.9	2.514	3.501	0.3	18.8
12 7	3 59.25	+26 12.9	1.394	2.364	5.5	18.7	12 7	4 0.17	+20 8.8	2.528	3.495	3.6	19.1
12 17	3 51.70	+25 19.4	1.429	2.360	10.0	19.0	12 17	3 52.72	+19 51.8	2.571	3.488	6.8	19.3
12 27	3 46.73	+24 28.8	1.489	2.358	14.1	19.2	12 27	3 46.76	+19 38.3	2.642	3.482	9.7	19.5
420024	2011 CE ₉₁		11 26.3 78°68	3.7°/28.3	17		233940	2009 VH ₈₁		11 26.3 52°82	3.1°/25.5	18	
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EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
149704	2004 <i>HR</i> ₅₃		11 26.3 248°79	6°6/23.7	18		189514	2000 <i>GU</i> ₁₁₃		11 26.3 170°44	0°9/26.8	18	
10 18	4 36.59	+ 2 35.8	2.183	2.959	14.1	20.2	10 18	4 41.75	+25 18.8	2.087	2.855	14.9	21.3
10 28	4 32.23	+ 1 56.6	2.094	2.949	11.7	20.0	10 28	4 36.52	+25 6.2	1.999	2.859	11.9	21.1
11 7	4 25.70	+ 1 24.1	2.026	2.938	9.1	19.8	11 7	4 28.74	+24 45.0	1.933	2.863	8.3	20.9
11 17	4 17.50	+ 1 2.6	1.984	2.927	7.1	19.6	11 17	4 19.02	+24 14.8	1.893	2.866	4.3	20.7
11 27	4 8.41	+ 0 56.0	1.970	2.916	6.7	19.6	11 27	4 8.35	+23 36.8	1.882	2.868	0.9	20.4
12 7	3 59.36	+ 1 6.8	1.984	2.904	8.4	19.7	12 7	3 57.90	+22 54.1	1.902	2.870	4.5	20.7
12 17	3 51.29	+ 1 35.3	2.024	2.893	11.0	19.8	12 17	3 48.76	+22 10.9	1.951	2.870	8.5	20.9
12 27	3 44.96	+ 2 20.4	2.089	2.881	13.6	20.0	12 27	3 41.78	+21 32.0	2.026	2.871	12.0	21.1
444599	2006 <i>UP</i> ₁₅₅		11 26.3	9°30	1°4/25.9	17	266839	2009 <i>UV</i> ₂₂		11 26.3 74°48	2°7/25.2	18	
10 18	4 34.09	+18 9.9	1.384	2.204	18.6	20.5	10 18	4 35.01	+14 9.3	2.211	3.000	13.6	21.0
10 28	4 31.56	+18 7.1	1.314	2.207	14.7	20.2	10 28	4 30.92	+13 46.0	2.130	3.004	10.7	20.8
11 7	4 25.88	+18 1.5	1.264	2.210	10.2	20.0	11 7	4 24.74	+13 22.3	2.072	3.008	7.5	20.6
11 17	4 17.75	+17 54.2	1.237	2.215	5.1	19.7	11 17	4 17.00	+13 0.2	2.040	3.012	4.2	20.4
11 27	4 8.39	+17 47.1	1.235	2.221	1.5	19.5	11 27	4 8.50	+12 42.0	2.037	3.016	2.8	20.3
12 7	3 59.29	+17 43.0	1.259	2.228	6.1	19.8	12 7	4 0.16	+12 30.3	2.063	3.020	5.3	20.5
12 17	3 51.81	+17 44.5	1.308	2.236	11.0	20.1	12 17	3 52.85	+12 26.7	2.117	3.024	8.6	20.7
12 27	3 47.02	+17 54.2	1.380	2.245	15.3	20.4	12 27	3 47.29	+12 32.5	2.197	3.029	11.7	20.9
386706	2009 <i>WN</i> ₁₁₇		11 26.3 336°38	0°7/26.6	18		211736	2003 <i>YK</i> ₁₂₂		11 26.3 270°33	0°1/26.4	18	
10 18	4 35.07	+23 24.9	1.272	2.092	20.0	21.4	10 18	4 38.39	+21 25.9	1.947	2.732	15.3	20.9
10 28	4 33.00	+23 23.8	1.190	2.081	16.1	21.1	10 28	4 34.30	+21 29.5	1.846	2.717	12.2	20.6
11 7	4 27.33	+23 13.7	1.127	2.071	11.3	20.8	11 7	4 27.53	+21 28.5	1.766	2.702	8.5	20.4
11 17	4 18.66	+22 53.8	1.085	2.062	5.7	20.5	11 17	4 18.58	+21 22.5	1.711	2.687	4.3	20.1
11 27	4 8.33	+22 25.3	1.067	2.054	0.7	20.1	11 27	4 8.38	+21 12.2	1.685	2.671	0.3	19.7
12 7	3 58.07	+21 52.3	1.075	2.046	6.3	20.5	12 7	3 58.14	+20 59.3	1.687	2.656	4.9	20.1
12 17	3 49.60	+21 20.4	1.107	2.040	11.9	20.8	12 17	3 49.04	+20 46.8	1.718	2.640	9.3	20.3
12 27	3 44.24	+20 55.6	1.160	2.034	16.9	21.1	12 27	3 42.11	+20 38.2	1.774	2.624	13.2	20.5
490612	2009 <i>WX</i> ₂₀₅		11 26.3 45°21	1°3/26.9	17		444629	2006 <i>WD</i> ₃₀		11 26.3 0°14	1°8/25.9	18	
10 18	4 35.82	+25 56.4	2.070	2.850	14.7	21.6	10 18	4 38.73	+14 47.9	1.672	2.471	16.8	20.2
10 28	4 31.85	+25 51.6	1.992	2.859	11.7	21.4	10 28	4 34.75	+15 10.4	1.591	2.470	13.4	19.9
11 7	4 25.50	+25 38.5	1.936	2.868	8.2	21.2	11 7	4 27.90	+15 35.4	1.530	2.469	9.3	19.7
11 17	4 17.39	+25 16.8	1.905	2.877	4.3	21.0	11 17	4 18.76	+16 3.1	1.494	2.469	4.8	19.4
11 27	4 8.43	+24 47.5	1.902	2.887	1.3	20.8	11 27	4 8.38	+16 33.8	1.485	2.469	1.8	19.2
12 7	3 59.73	+24 13.4	1.928	2.897	4.3	21.0	12 7	3 58.09	+17 7.4	1.504	2.470	5.7	19.5
12 17	3 52.26	+23 38.2	1.983	2.907	8.1	21.3	12 17	3 49.17	+17 44.5	1.551	2.472	10.2	19.8
12 27	3 46.80	+23 6.0	2.063	2.918	11.4	21.5	12 27	3 42.65	+18 25.7	1.622	2.473	14.1	20.0
266191	2006 <i>VS</i> ₁₀₉		11 26.3 10°97	6°5/24.4	18		298105	2002 <i>RS</i> ₁₂₇		11 26.3 30°01	1°4/25.7	18	
10 18	4 33.41	+11 25.9	1.080	1.922	21.4	19.7	10 18	4 35.35	+24 1.2	1.241	2.062	20.3	18.9
10 28	4 31.60	+10 25.6	1.022	1.923	17.1	19.5	10 28	4 32.52	+22 42.8	1.190	2.082	16.0	18.6
11 7	4 26.19	+ 9 26.3	0.981	1.927	12.4	19.2	11 7	4 26.36	+21 10.7	1.158	2.104	10.8	18.4
11 17	4 17.97	+ 8 34.9	0.960	1.931	7.9	19.0	11 17	4 17.85	+19 29.5	1.148	2.127	5.2	18.2
11 27	4 8.40	+ 7 58.9	0.963	1.937	6.7	19.0	11 27	4 8.47	+17 47.1	1.165	2.151	1.6	18.0
12 7	3 59.22	+ 7 44.0	0.989	1.944	10.0	19.2	12 7	3 59.79	+16 12.8	1.208	2.175	6.5	18.4
12 17	3 51.99	+ 7 52.2	1.037	1.952	14.6	19.4	12 17	3 53.11	+14 54.5	1.276	2.201	11.5	18.7
12 27	3 47.83	+ 8 22.7	1.104	1.961	18.9	19.7	12 27	3 49.24	+13 56.9	1.366	2.228	15.6	19.1
137579	1999 <i>VH</i> ₁₃₀		11 26.3 14°71	1°1/26.7	18		179148	2001 <i>TD</i> ₁₅		11 26.3 40°02	3°7/25.4	18	
10 18	4 38.67	+23 4.3	1.235	2.051	20.7	20.2	10 18	4 38.39	+12 4.5	1.499	2.307	18.0	19.2
10 28	4 35.80	+23 21.3	1.165	2.053	16.5	20.0	10 28	4 34.30	+11 56.4	1.446	2.329	14.3	19.0
11 7	4 29.18	+23 31.2	1.113	2.056	11.6	19.7	11 7	4 27.36	+11 51.4	1.412	2.351	10.0	18.9
11 17	4 19.52	+23 32.4	1.083	2.059	5.9	19.4	11 17	4 18.34	+11 51.7	1.402	2.374	5.7	18.7
11 27	4 8.29	+23 24.9	1.077	2.063	1.2	19.1	11 27	4 8.44	+11 59.5	1.418	2.397	3.8	18.6
12 7	3 57.33	+23 11.3	1.097	2.068	6.3	19.5	12 7	3 59.00	+12 16.4	1.462	2.421	6.8	18.9
12 17	3 48.37	+22 56.2	1.141	2.073	11.8	19.8	12 17	3 51.19	+12 42.8	1.531	2.446	10.8	19.1
12 27	3 42.67	+22 45.0	1.207	2.079	16.5	20.1	12 27	3 45.88	+13 18.4	1.625	2.471	14.4	19.4
179196	2001 <i>TE</i> ₁₆₄		11 26.3 58°97	1°6/25.6	18		147095	2002 <i>TM</i> ₁₅		11 26.4 356°69	0°0/26.3	18	
10 18	4 36.30	+18 45.7	1.863	2.658	15.5	20.4	10 18	4 36.14	+20 21.6	1.165	1.993	20.9	19.4
10 28	4 32.33	+18 17.2	1.789	2.667	12.2	20.2	10 28	4 34.02	+20 36.5	1.093	1.989	16.7	19.1
11 7	4 25.89	+17 44.4	1.736	2.675	8.4	20.0	11 7	4 28.11	+20 47.3	1.039	1.986	11.6	18.8
11 17	4 17.60	+17 8.8	1.708	2.684	4.2	19.8	11 17	4 19.09	+20 53.3	1.006	1.984	5.8	18.5
11 27	4 8.44	+16 33.4	1.708	2.693	1.7	19.6	11 27	4 8.37	+20 55.1	0.997	1.984	0.4	18.1
12 7	3 59.55	+16 1.8	1.737	2.702	5.3	19.9	12 7	3 57.82	+20 54.7	1.012	1.984	6.6	18.5
12 17	3 51.97	+15 37.2	1.794	2.711	9.3	20.2	12 17	3 49.21	+20 55.8	1.051	1.985	12.3	18.8
12 27	3 46.50	+15 22.4	1.875	2.720	12.8	20.4	12 27	3 43.90	+21 2.4	1.112	1.988	17.3	19.1
455353	2002 <i>RO</i> ₂₃₇		11 26.3 161°13	6°4/29.8	17		326289	1997 <i>WY</i> ₆		11 26.4 93°79	0°6/26.1	18	
10 18	4 41.95	+42 2.9	2.679	3.377	13.6	21.3	10 18	4 36.05	+19 15.3	2.476	3.253	12.6	21.2
10 28	4 36.77	+42 55.0	2.589	3.380	11.7	21.1	10 28	4 31.50	+19 12.0	2.398	3.266	9.9	21.0
11 7	4 29.01	+43 34.6	2.519	3.382	9.6	21.0	11 7	4 25.01	+19 5.9	2.344	3.279	6.8	20.8
11 17	4 19.21	+43 57.2	2.474	3.385	7.6	20.9	11 17	4 17.10	+18 57.5	2.316	3.292	3.3	20.6
11 27	4 8.32	+44 0.0	2.456	3.386	6.5	20.8	11 27	4 8.52	+18 47.9	2.319	3.305	0.7	20.4
12 7	3 57.50	+43 43.0	2.466	3.388	6.9	20.8	12 7	4 0.14	+18 38.9	2.351	3.317	4.0	20.7
12 17	3 47.87	+43 9.0	2.504	3.390	8.4	20.9	12 17	3 52.74	+18 32.2	2.413	3.330	7.2	21.0
12 27	3 40.38	+42 23.4	2.568	3.391	10.4	21.1	12 27	3 46.98	+18 29.7	2.502	3.342	10.1	21.2
490554	2009 <i>VV</i> ₁₀₃		11 26.3 82°78	0°0/26.3	18		918						

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
291674	2006 <i>HG</i> ₈₀		11 26.4 319°86	1.8°/25.6	18		378093	2006 <i>UH</i> ₁₁₁		11 26.4 56°83	1.8°/27.1	18	
10 18	4 36.03	+20 1.7	1.643	2.447	16.9	20.7	10 18	4 41.05	+27 25.9	1.280	2.083	20.8	20.7
10 28	4 32.67	+19 17.6	1.558	2.441	13.4	20.5	10 28	4 37.34	+27 10.6	1.219	2.098	16.6	20.4
11 7	4 26.46	+18 25.7	1.494	2.436	9.3	20.2	11 7	4 29.93	+26 41.1	1.176	2.114	11.7	20.2
11 17	4 18.03	+17 28.1	1.454	2.431	4.7	19.9	11 17	4 19.76	+25 56.6	1.155	2.129	6.2	19.9
11 27	4 8.46	+16 29.1	1.441	2.426	1.9	19.7	11 27	4 8.38	+24 59.4	1.160	2.145	1.8	19.7
12 7	3 59.08	+15 34.1	1.456	2.422	6.0	20.0	12 7	3 57.62	+23 55.6	1.191	2.161	6.0	20.0
12 17	3 51.12	+14 48.2	1.498	2.417	10.6	20.3	12 17	3 49.01	+22 53.2	1.247	2.178	11.1	20.4
12 27	3 45.55	+14 15.7	1.564	2.413	14.6	20.5	12 27	3 43.59	+21 59.5	1.326	2.194	15.6	20.7
216589	2002 <i>LB</i> ₂₉		11 26.4 83°70	4.7°/24.9	18		84620	2002 <i>VL</i> ₄₃		11 26.4 235°95	4.3°/27.5	18	
10 18	4 43.07	+11 38.8	1.490	2.289	18.6	20.1	10 18	4 44.50	+29 16.4	1.719	2.488	17.6	19.9
10 28	4 37.86	+10 56.4	1.438	2.316	14.7	19.9	10 28	4 39.87	+30 10.3	1.626	2.482	14.5	19.6
11 7	4 29.70	+10 16.0	1.407	2.342	10.4	19.8	11 7	4 31.83	+30 56.9	1.553	2.474	10.7	19.4
11 17	4 19.44	+9 41.6	1.399	2.367	6.3	19.6	11 17	4 20.91	+31 31.4	1.505	2.467	6.7	19.2
11 27	4 8.38	+9 17.5	1.418	2.393	4.9	19.6	11 27	4 8.28	+31 49.9	1.483	2.459	4.3	19.0
12 7	3 57.91	+9 6.9	1.465	2.417	7.7	19.8	12 7	3 55.57	+31 51.7	1.489	2.451	6.4	19.1
12 17	3 49.22	+9 11.1	1.538	2.442	11.6	20.1	12 17	3 44.40	+31 40.0	1.523	2.443	10.4	19.3
12 27	3 43.15	+9 30.2	1.635	2.465	15.1	20.4	12 27	3 36.08	+31 21.0	1.582	2.434	14.3	19.5
48206	2001 <i>KV</i> ₁₃		11 26.4 105°65	0.2°/26.5	18		300409	2007 <i>RG</i> ₂₈₇		11 26.4 351°38	0.8°/26.7	18	
10 18	4 35.97	+22 31.7	2.598	3.369	12.3	19.9	10 18	4 38.05	+23 43.8	1.716	2.508	16.8	21.6
10 28	4 31.37	+22 25.2	2.519	3.382	9.7	19.8	10 28	4 34.27	+23 45.4	1.632	2.506	13.4	21.3
11 7	4 24.88	+22 13.9	2.463	3.396	6.6	19.6	11 7	4 27.58	+23 39.7	1.569	2.506	9.3	21.1
11 17	4 17.03	+21 57.9	2.435	3.409	3.3	19.4	11 17	4 18.61	+23 26.1	1.530	2.505	4.8	20.8
11 27	4 8.54	+21 38.3	2.436	3.422	0.3	19.2	11 27	4 8.45	+23 5.4	1.518	2.504	0.8	20.5
12 7	4 0.26	+21 17.1	2.468	3.435	3.6	19.5	12 7	3 58.46	+22 40.2	1.534	2.504	5.1	20.8
12 17	3 52.94	+20 56.6	2.529	3.448	6.8	19.7	12 17	3 49.90	+22 14.6	1.578	2.504	9.6	21.1
12 27	3 47.22	+20 39.4	2.618	3.460	9.7	19.9	12 27	3 43.79	+21 52.9	1.646	2.504	13.6	21.4
405139	2002 <i>QE</i> ₃₄		11 26.4 353°01	11°5°/21.1	18		241014	2006 <i>PS</i> ₃₄		11 26.4 114°02	3°1°/24.9	18	
10 18	4 30.24	- 5 33.7	1.714	2.503	16.9	19.5	10 18	4 38.72	+13 43.9	2.186	2.967	13.9	21.6
10 28	4 27.77	- 7 3.5	1.649	2.496	14.7	19.3	10 28	4 33.66	+13 5.8	2.118	2.986	11.0	21.4
11 7	4 22.90	- 8 19.8	1.604	2.490	12.8	19.2	11 7	4 26.50	+12 27.1	2.072	3.005	7.7	21.2
11 17	4 16.20	- 9 14.5	1.581	2.485	11.6	19.1	11 17	4 17.84	+11 50.4	2.053	3.023	4.4	21.1
11 27	4 8.60	- 9 40.3	1.581	2.481	11.8	19.1	11 27	4 8.52	+11 18.7	2.063	3.040	3.2	21.0
12 7	4 1.15	- 9 34.1	1.604	2.478	13.1	19.2	12 7	3 59.52	+10 54.9	2.104	3.057	5.6	21.2
12 17	3 54.88	- 8 56.4	1.649	2.476	15.2	19.3	12 17	3 51.67	+10 41.0	2.173	3.074	8.8	21.4
12 27	3 50.60	- 7 50.9	1.713	2.475	17.4	19.5	12 27	3 45.67	+10 38.3	2.268	3.089	11.7	21.6
199487	2006 <i>DY</i> ₈₁		11 26.4 289°41	0°3°/26.2	17		7288	1991 <i>FE</i> ₁		11 26.4 7°05	2°9°/27.3	18	R
10 18	4 35.15	+21 15.9	2.303	3.084	13.3	21.1	10 18	4 35.97	+27 32.8	1.110	1.934	22.1	15.9
10 28	4 31.10	+21 5.1	2.213	3.083	10.5	20.9	10 28	4 34.19	+27 45.1	1.043	1.933	17.9	15.7
11 7	4 24.93	+20 49.5	2.146	3.082	7.3	20.7	11 7	4 28.36	+27 43.6	0.993	1.935	12.8	15.4
11 17	4 17.14	+20 29.6	2.105	3.081	3.6	20.5	11 17	4 19.24	+27 25.6	0.963	1.937	7.2	15.1
11 27	4 8.54	+20 6.8	2.093	3.080	0.4	20.2	11 27	4 8.42	+26 51.3	0.956	1.940	2.9	14.8
12 7	4 0.05	+19 43.4	2.111	3.079	4.2	20.5	12 7	3 57.95	+26 5.2	0.973	1.945	6.8	15.1
12 17	3 52.57	+19 22.1	2.158	3.078	7.8	20.8	12 17	3 49.69	+25 15.1	1.013	1.950	12.3	15.4
12 27	3 46.86	+19 5.7	2.231	3.077	11.0	21.0	12 27	3 44.96	+24 29.6	1.075	1.957	17.2	15.7
127936	2003 <i>HU</i> ₁		11 26.4 315°63	5°1°/24.7	18		482947	2014 <i>JU</i> ₇₇		11 26.4 263°79	2°7°/25.1	18	
10 18	4 36.88	+10 49.0	1.522	2.331	17.8	19.7	10 18	4 36.54	+17 4.2	1.833	2.630	15.7	21.9
10 28	4 33.50	+10 12.9	1.441	2.324	14.3	19.4	10 28	4 32.75	+16 18.7	1.743	2.622	12.4	21.6
11 7	4 27.15	+9 38.5	1.380	2.317	10.3	19.2	11 7	4 26.36	+15 28.2	1.676	2.615	8.6	21.4
11 17	4 18.43	+9 10.1	1.342	2.310	6.5	19.0	11 17	4 17.96	+14 35.4	1.633	2.608	4.6	21.1
11 27	4 8.45	+8 52.3	1.330	2.304	5.2	18.9	11 27	4 8.51	+13 44.5	1.619	2.600	2.8	21.0
12 7	3 58.57	+8 48.6	1.345	2.298	8.2	19.0	12 7	3 59.19	+13 0.0	1.633	2.593	6.2	21.2
12 17	3 50.13	+9 1.1	1.385	2.292	12.3	19.2	12 17	3 51.11	+12 26.1	1.674	2.585	10.2	21.4
12 27	3 44.18	+9 29.8	1.448	2.287	16.2	19.5	12 27	3 45.18	+12 5.6	1.740	2.578	14.0	21.7
47232	1999 <i>VQ</i> ₃₆		11 26.4 56°38	0°3°/26.4	18		68940	2002 <i>PB</i> ₁₁₆		11 26.4 99°32	0°7°/25.9	18	
10 18	4 43.73	+20 8.1	1.274	2.082	20.6	18.7	10 18	4 34.42	+21 39.7	2.436	3.215	12.7	18.8
10 28	4 39.34	+20 37.4	1.217	2.101	16.3	18.5	10 28	4 30.31	+21 1.2	2.350	3.219	10.0	18.6
11 7	4 31.30	+21 3.4	1.178	2.120	11.2	18.3	11 7	4 24.25	+20 16.4	2.287	3.223	6.9	18.5
11 17	4 20.45	+21 24.6	1.163	2.139	5.6	18.0	11 17	4 16.76	+19 26.7	2.252	3.228	3.4	18.2
11 27	4 8.32	+21 40.2	1.173	2.159	0.5	17.7	11 27	4 8.61	+18 34.7	2.246	3.232	0.8	18.0
12 7	3 56.72	+21 51.4	1.209	2.179	6.1	18.2	12 7	4 0.65	+17 43.9	2.270	3.236	4.1	18.3
12 17	3 47.22	+22 1.0	1.272	2.200	11.2	18.5	12 17	3 53.69	+16 57.8	2.324	3.240	7.5	18.5
12 27	3 40.94	+22 12.7	1.357	2.220	15.6	18.8	12 27	3 48.37	+16 19.5	2.405	3.244	10.5	18.7
331022	2009 <i>UV</i> ₁₄₆		11 26.4 248°80	0°3°/26.2	18		510224	2011 <i>EU</i> ₂₇		11 26.4 299°63	2°8°/25.5	18	
10 18	4 34.86	+21 25.9	2.508	3.284	12.5	21.6	10 18	4 36.89	+16 49.8	1.409	2.224	18.6	21.9
10 28	4 30.75	+21 8.8	2.408	3.275	9.9	21.4	10 28	4 34.13	+16 23.1	1.314	2.203	15.0	21.6
11 7	4 24.64	+20 46.6	2.332	3.266	6.8	21.2	11 7	4 28.02	+15 52.1	1.238	2.182	10.5	21.3
11 17	4 17.00	+20 19.8	2.282	3.257	3.4	21.0	11 17	4 19.08	+15 19.1	1.184	2.161	5.6	21.0
11 27	4 8.56	+19 50.1	2.262	3.248	0.5	20.7	11 27	4 8.43	+14 47.7	1.156	2.140	2.9	20.8
12 7	4 0.18	+19 19.9	2.272	3.239	4.0	21.0	12 7	3 57.64	+14 22.6	1.155	2.119	7.3	21.0
12 17	3 52.71	+18 51.8	2.311	3.229	7.5	21.2	12 17	3 48.32	+14 8.3	1.178	2.099	12.6	21.2
12 27	3 46.85	+18 28.8	2.377	3.219	10.5	21.4	12 27	3 41.80	+14 8.1	1.223	2.079	17.4	21.4
42838	1999 <i>PP</i> ₃		11 26.4 351°46	3°0°/25.2	18		112898						

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
364021	2005 <i>VJ</i> ₃₇		11 26.4 68°41'	1.3°/25.9	18		380378	2002 <i>UC</i> ₁₃		11 26.4 14°75'	1.8°/25.7	18	
10 18	4 38.23	+16 50.1	2.021	2.808	14.7	20.7	10 18	4 31.29	+21 25.7	0.956	1.806	22.8	19.5
10 28	4 33.74	+16 58.1	1.942	2.815	11.7	20.5	10 28	4 30.48	+20 38.8	0.903	1.812	18.0	19.2
11 7	4 26.86	+17 5.4	1.885	2.822	8.0	20.3	11 7	4 25.70	+19 40.1	0.867	1.820	12.4	18.9
11 17	4 18.15	+17 12.4	1.853	2.829	4.0	20.1	11 17	4 17.85	+18 33.5	0.850	1.830	6.1	18.6
11 27	4 8.53	+17 20.0	1.851	2.836	1.3	19.9	11 27	4 8.61	+17 26.1	0.856	1.841	2.0	18.4
12 7	3 59.08	+17 29.3	1.878	2.843	4.8	20.1	12 7	3 59.93	+16 26.2	0.884	1.855	7.6	18.8
12 17	3 50.81	+17 41.8	1.933	2.850	8.7	20.4	12 17	3 53.48	+15 41.2	0.935	1.870	13.3	19.2
12 27	3 44.55	+17 58.9	2.014	2.858	12.1	20.6	12 27	3 50.38	+15 15.5	1.005	1.886	18.2	19.5
236636	2006 <i>KC</i> ₃₅		11 26.4 136°09'	0.4°/26.2	18		183670	2003 <i>WG</i> ₁₃₈		11 26.4 336°74'	1.8°/27.1	18	
10 18	4 39.52	+21 18.5	2.128	2.905	14.4	22.0	10 18	4 37.15	+27 49.4	1.286	2.095	20.4	19.8
10 28	4 34.59	+21 1.4	2.049	2.916	11.4	21.8	10 28	4 34.67	+27 29.9	1.206	2.088	16.5	19.5
11 7	4 27.33	+20 38.8	1.991	2.926	7.8	21.6	11 7	4 28.48	+26 54.4	1.143	2.083	11.8	19.2
11 17	4 18.33	+20 11.3	1.960	2.936	3.8	21.4	11 17	4 19.28	+26 1.8	1.103	2.077	6.3	18.9
11 27	4 8.53	+19 40.7	1.959	2.945	0.5	21.1	11 27	4 8.51	+24 54.2	1.087	2.073	1.8	18.6
12 7	3 58.97	+19 10.0	1.987	2.954	4.5	21.4	12 7	3 57.99	+23 37.9	1.097	2.069	6.2	18.9
12 17	3 50.64	+18 42.3	2.045	2.962	8.3	21.7	12 17	3 49.40	+22 21.8	1.132	2.065	11.7	19.2
12 27	3 44.30	+18 20.8	2.128	2.970	11.6	21.9	12 27	3 44.01	+21 14.9	1.189	2.062	16.6	19.4
3458	<i>Boduognat</i>		11 26.4 305°13'	1.6°/25.8	18		126923	2002 <i>EC</i> ₁₃₅		11 26.4 169°39'	2.2°/25.5	18	
10 18	4 36.38	+18 50.1	1.515	2.324	17.8	16.3	10 18	4 38.61	+16 57.8	1.950	2.738	15.2	20.6
10 28	4 33.45	+18 30.6	1.421	2.307	14.3	16.0	10 28	4 34.13	+16 28.7	1.866	2.740	12.0	20.4
11 7	4 27.37	+18 5.8	1.347	2.290	9.9	15.7	11 7	4 27.19	+15 56.3	1.805	2.742	8.3	20.1
11 17	4 18.68	+17 37.1	1.296	2.273	5.0	15.4	11 17	4 18.35	+15 22.7	1.769	2.744	4.3	19.9
11 27	4 8.49	+17 7.2	1.272	2.257	1.8	15.1	11 27	4 8.59	+14 50.6	1.762	2.745	2.3	19.8
12 7	3 58.25	+16 40.0	1.274	2.241	6.4	15.4	12 7	3 59.01	+14 23.4	1.784	2.746	5.5	20.0
12 17	3 49.43	+16 20.0	1.302	2.225	11.5	15.6	12 17	3 50.66	+14 4.1	1.835	2.747	9.4	20.2
12 27	3 43.24	+16 11.0	1.353	2.210	16.0	15.8	12 27	3 44.40	+13 55.0	1.910	2.747	12.9	20.5
435429	2008 <i>CO</i> ₅₀		11 26.4 278°38'	4.2°/25.1	18		399838	2005 <i>UO</i> ₁₄		11 26.4 59°34'	1.0°/26.8	18	
10 18	4 39.12	+12 49.1	1.467	2.276	18.4	21.2	10 18	4 38.54	+23 32.5	1.926	2.709	15.5	21.2
10 28	4 35.59	+12 22.0	1.379	2.263	14.8	20.9	10 28	4 34.20	+23 46.7	1.852	2.721	12.3	21.0
11 7	4 28.83	+11 55.2	1.310	2.249	10.5	20.6	11 7	4 27.27	+23 55.1	1.799	2.733	8.6	20.8
11 17	4 19.40	+11 32.0	1.264	2.236	6.2	20.3	11 17	4 18.40	+23 56.9	1.771	2.745	4.4	20.6
11 27	4 8.46	+11 16.5	1.244	2.223	4.4	20.2	11 27	4 8.59	+23 52.2	1.771	2.757	1.0	20.4
12 7	3 57.49	+11 12.3	1.251	2.209	7.9	20.4	12 7	3 59.01	+23 42.7	1.801	2.770	4.6	20.7
12 17	3 48.00	+11 21.9	1.283	2.196	12.6	20.6	12 17	3 50.77	+23 31.3	1.858	2.782	8.5	21.0
12 27	3 41.19	+11 46.5	1.338	2.183	16.9	20.8	12 27	3 44.73	+23 21.5	1.941	2.795	12.0	21.2
251725	1998 <i>BV</i> ₁₉		11 26.4 112°03'	3.1°/25.1	18		52187	4125 <i>T</i> ₋₂		11 26.4 44°29'	5.4°/23.5	18	
10 18	4 36.66	+13 4.4	2.058	2.848	14.4	20.5	10 18	4 32.84	+6 50.8	2.287	3.075	13.2	18.9
10 28	4 32.41	+12 41.9	1.978	2.851	11.4	20.3	10 28	4 29.11	+5 53.3	2.213	3.079	10.7	18.7
11 7	4 25.89	+12 19.8	1.920	2.855	8.0	20.1	11 7	4 23.48	+4 58.9	2.161	3.084	8.0	18.6
11 17	4 17.66	+12 0.4	1.888	2.859	4.6	19.9	11 17	4 16.44	+4 11.8	2.135	3.088	5.9	18.5
11 27	4 8.59	+11 46.3	1.884	2.862	3.2	19.8	11 27	4 8.75	+3 35.9	2.138	3.093	5.5	18.4
12 7	3 59.69	+11 39.8	1.910	2.866	5.8	20.0	12 7	4 1.23	+3 14.4	2.169	3.098	7.2	18.6
12 17	3 51.90	+11 42.6	1.963	2.869	9.3	20.2	12 17	3 54.65	+3 8.7	2.226	3.103	9.8	18.7
12 27	3 46.02	+11 55.6	2.041	2.873	12.5	20.4	12 27	3 49.67	+3 18.6	2.308	3.108	12.3	18.9
225182	2008 <i>HU</i> ₄₅		11 26.4 199°02'	1.4°/25.9	18		162110	1998 <i>RQ</i> ₆₃		11 26.4 10°00'	10.6°/22.0	18	
10 18	4 41.75	+17 33.7	1.792	2.579	16.3	21.2	10 18	4 32.95	+0 22.9	1.455	2.264	18.4	18.8
10 28	4 36.99	+17 30.6	1.704	2.577	13.0	21.0	10 28	4 30.26	-1 16.5	1.396	2.266	15.5	18.7
11 7	4 29.38	+17 25.4	1.637	2.574	9.0	20.7	11 7	4 24.80	-2 46.2	1.357	2.268	12.8	18.5
11 17	4 19.52	+17 18.7	1.595	2.571	4.6	20.5	11 17	4 17.24	-3 56.8	1.340	2.271	10.9	18.4
11 27	4 8.46	+17 11.9	1.582	2.567	1.5	20.2	11 27	4 8.70	-4 40.2	1.346	2.275	10.9	18.4
12 7	3 57.49	+17 7.1	1.598	2.563	5.6	20.5	12 7	4 0.44	-4 51.8	1.376	2.280	12.7	18.5
12 17	3 47.87	+17 6.8	1.641	2.559	10.0	20.8	12 17	3 53.62	-4 31.6	1.428	2.286	15.3	18.7
12 27	3 40.62	+17 13.3	1.710	2.554	13.9	21.0	12 27	3 49.14	-3 43.3	1.500	2.292	18.1	18.9
418470	2008 <i>RV</i> ₈₅		11 26.4 100°51'	3.8°/28.4	17		145157	2005 <i>HY</i> ₁		11 26.4 141°94'	0.2°/26.3	18	
10 18	4 38.03	+33 35.8	2.468	3.212	13.5	21.7	10 18	4 44.00	+20 54.2	1.888	2.664	16.0	21.5
10 28	4 33.46	+33 55.8	2.382	3.218	11.1	21.5	10 28	4 38.47	+20 53.6	1.811	2.677	12.7	21.3
11 7	4 26.61	+34 5.2	2.318	3.225	8.4	21.3	11 7	4 30.20	+20 48.2	1.754	2.689	8.7	21.1
11 17	4 18.02	+34 1.7	2.279	3.232	5.6	21.2	11 17	4 19.86	+20 38.0	1.724	2.700	4.3	20.8
11 27	4 8.58	+33 44.7	2.268	3.238	3.8	21.1	11 27	4 8.53	+20 23.8	1.723	2.710	0.4	20.5
12 7	3 59.31	+33 15.4	2.287	3.245	4.9	21.2	12 7	3 57.47	+20 8.0	1.752	2.719	4.9	20.9
12 17	3 51.18	+32 37.3	2.335	3.251	7.5	21.3	12 17	3 47.86	+19 53.5	1.809	2.728	9.1	21.2
12 27	3 44.97	+31 55.1	2.410	3.258	10.2	21.5	12 27	3 40.60	+19 43.8	1.893	2.736	12.8	21.4
523646	2010 <i>VL</i> ₂₀₁		11 26.4 338°55'	0.1°/25.7	18		422006	2014 <i>QL</i> ₃₂₅		11 26.4 31°20'	8.6°/22.0	17	
10 18	4 12.77	+17 24.3	34.168	34.939	1.0	21.4	10 18	4 32.42	+1 46.0	1.829	2.625	15.7	20.7
10 28	4 11.99	+17 21.9	34.073	34.939	0.8	21.4	10 28	4 29.14	+0 9.4	1.774	2.638	13.1	20.5
11 7	4 11.10	+17 19.3	34.003	34.938	0.5	21.4	11 7	4 23.64	-1 19.5	1.741	2.651	10.5	20.4
11 17	4 10.13	+17 16.6	33.963	34.938	0.3	21.3	11 17	4 16.55	-2 33.6	1.733	2.665	8.8	20.3
11 27	4 9.13	+17 14.1	33.953	34.937	0.1	21.3	11 27	4 8.76	-3 26.5	1.750	2.679	8.8	20.4
12 7	4 8.13	+17 11.8	33.974	34.937	0.3	21.4	12 7	4 1.27	-3 54.4	1.793	2.694	10.4	20.5
12 17	4 7.17	+17 9.7	34.025	34.936	0.6	21.4	12 17	3 54.98	-3 56.8	1.860	2.709	12.7	20.7
12 27	4 6.29	+17 8.0	34.104	34.936	0.9	21.4	12 27	3 50.59	-3 35.7	1.948	2.725	15.0	20.9
373005	2011 <i>DA</i>		11 26.4 248°89'	7.2°/22.3	18		188372	2004 <					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
220855	2004 VS ₆₁		11 26.4	32°13'	7.8/23.2	18	274144	2008 FP ₆₀		11 26.4	333°17'	2.5/26.9	18
10 18	4 33.78	+ 1 38.3	1.910	2.700	15.4	19.5	10 18	4 41.82	+24 49.9	1.979	2.751	15.5	20.2
10 28	4 30.18	+ 0 36.1	1.847	2.708	12.7	19.3	10 28	4 37.11	+25 45.5	1.888	2.748	12.5	20.0
11 7	4 24.37	- 0 17.8	1.805	2.716	10.1	19.2	11 7	4 29.57	+26 37.6	1.818	2.746	8.9	19.8
11 17	4 16.92	- 0 58.0	1.787	2.724	8.2	19.1	11 17	4 19.73	+27 23.3	1.775	2.744	5.1	19.6
11 27	4 8.73	- 1 19.4	1.795	2.733	7.9	19.1	11 27	4 8.58	+27 59.8	1.760	2.742	2.5	19.4
12 7	4 0.79	- 1 19.6	1.830	2.742	9.5	19.2	12 7	3 57.38	+28 26.2	1.775	2.740	5.1	19.6
12 17	3 53.99	- 0 58.4	1.889	2.752	11.9	19.4	12 17	3 47.41	+28 43.9	1.818	2.739	8.9	19.8
12 27	3 49.07	- 0 17.8	1.971	2.762	14.4	19.6	12 27	3 39.73	+28 56.3	1.887	2.737	12.5	20.0
477453	2009 WK ₂₁₇		11 26.4	356°27'	3.2/25.6	18	489793	2008 CK ₁₄₃		11 26.4	307°53'	6.3/23.6	18
10 18	4 31.93	+15 49.2	1.069	1.913	21.3	20.1	10 18	4 34.23	+ 7 21.9	1.811	2.611	15.7	21.2
10 28	4 30.82	+15 32.3	1.001	1.907	17.0	19.8	10 28	4 30.96	+ 6 23.6	1.723	2.598	12.8	21.0
11 7	4 26.00	+15 13.6	0.951	1.902	11.9	19.5	11 7	4 25.21	+ 5 27.7	1.656	2.584	9.6	20.8
11 17	4 18.14	+14 56.4	0.921	1.899	6.3	19.2	11 17	4 17.50	+ 4 39.4	1.614	2.571	7.0	20.6
11 27	4 8.64	+14 44.6	0.913	1.897	3.3	19.0	11 27	4 8.73	+ 4 4.4	1.599	2.559	6.5	20.6
12 7	3 59.35	+14 42.3	0.929	1.897	7.9	19.3	12 7	4 0.01	+ 3 46.8	1.610	2.546	8.7	20.7
12 17	3 51.97	+14 52.2	0.968	1.899	13.4	19.6	12 17	3 52.42	+ 3 48.7	1.647	2.534	12.0	20.8
12 27	3 47.81	+15 16.0	1.026	1.903	18.3	19.9	12 27	3 46.85	+ 4 10.1	1.707	2.522	15.2	21.0
348753	2006 HH ₅₄		11 26.4	214°25'	2.5/27.3	18	214809	2006 UP ₂₂₈		11 26.4	35°10'	0.6/26.6	18
10 18	4 42.23	+27 31.6	2.141	2.901	14.8	22.0	10 18	4 37.76	+22 50.9	1.786	2.577	16.2	20.4
10 28	4 37.21	+27 59.2	2.042	2.895	12.0	21.8	10 28	4 33.87	+22 55.8	1.707	2.581	12.9	20.2
11 7	4 29.51	+28 19.8	1.965	2.889	8.7	21.6	11 7	4 27.24	+22 54.8	1.649	2.586	9.0	20.0
11 17	4 19.63	+28 31.0	1.914	2.881	5.0	21.3	11 17	4 18.49	+22 47.2	1.616	2.591	4.5	19.7
11 27	4 8.55	+28 31.4	1.892	2.874	2.6	21.2	11 27	4 8.68	+22 33.9	1.610	2.597	0.6	19.4
12 7	3 57.46	+28 21.6	1.900	2.865	4.8	21.3	12 7	3 59.07	+22 17.1	1.633	2.602	4.9	19.8
12 17	3 47.56	+28 4.5	1.937	2.857	8.5	21.5	12 17	3 50.84	+22 0.0	1.683	2.608	9.2	20.0
12 27	3 39.84	+27 44.6	2.000	2.847	12.0	21.7	12 27	3 44.93	+21 46.6	1.758	2.614	12.9	20.3
495555	2014 WY ₂₃₀		11 26.4	76°43'	0.9/26.9	18	72790	2001 FR ₁₇₅		11 26.4	180°25'	2.3/25.4	18
10 18	4 36.15	+25 53.3	2.304	3.076	13.6	20.8	10 18	4 36.24	+13 36.7	2.436	3.216	12.7	19.4
10 28	4 31.84	+25 34.5	2.226	3.088	10.8	20.7	10 28	4 31.79	+13 29.4	2.348	3.216	10.1	19.2
11 7	4 25.40	+25 7.4	2.170	3.101	7.5	20.5	11 7	4 25.36	+13 22.8	2.283	3.216	7.0	19.0
11 17	4 17.40	+24 32.4	2.141	3.114	3.9	20.3	11 17	4 17.44	+13 18.1	2.245	3.216	3.9	18.9
11 27	4 8.72	+23 50.9	2.141	3.127	0.9	20.1	11 27	4 8.75	+13 17.1	2.236	3.216	2.4	18.8
12 7	4 0.30	+23 6.1	2.171	3.140	3.9	20.3	12 7	4 0.16	+13 21.0	2.258	3.216	4.8	18.9
12 17	3 53.02	+22 21.7	2.230	3.153	7.4	20.6	12 17	3 52.48	+13 31.2	2.308	3.216	8.0	19.1
12 27	3 47.55	+21 41.6	2.316	3.165	10.5	20.8	12 27	3 46.41	+13 48.4	2.385	3.215	10.9	19.3
396935	2005 GN ₁₂₈		11 26.4	184°88'	5.6/23.5	18	441842	2009 VJ ₃₅		11 26.4	315°98'	1.5/26.9	18
10 18	4 36.89	+ 4 46.2	2.494	3.265	12.7	21.9	10 18	4 38.16	+26 7.4	1.467	2.267	18.8	21.0
10 28	4 32.13	+ 3 54.4	2.411	3.265	10.4	21.7	10 28	4 35.04	+25 58.8	1.382	2.260	15.1	20.7
11 7	4 25.49	+ 3 6.7	2.351	3.265	7.9	21.6	11 7	4 28.54	+25 38.6	1.315	2.253	10.7	20.4
11 17	4 17.45	+ 2 26.9	2.318	3.264	6.0	21.5	11 17	4 19.32	+25 5.7	1.272	2.246	5.7	20.1
11 27	4 8.72	+ 1 58.8	2.314	3.262	5.7	21.4	11 27	4 8.62	+24 21.2	1.254	2.240	1.5	19.8
12 7	4 0.12	+ 1 44.9	2.339	3.260	7.3	21.5	12 7	3 58.08	+23 29.4	1.263	2.234	5.8	20.1
12 17	3 52.41	+ 1 46.5	2.392	3.257	9.6	21.7	12 17	3 49.21	+22 36.8	1.299	2.228	10.9	20.4
12 27	3 46.25	+ 2 3.2	2.470	3.253	12.0	21.9	12 27	3 43.22	+21 50.3	1.357	2.223	15.4	20.6
270206	2001 TT ₉₀		11 26.4	73°99'	3.1/27.6	18	82901	2001 QZ ₉₄		11 26.4	93°26'	7.6/29.7	18
10 18	4 42.69	+29 14.4	1.531	2.313	18.9	20.3	10 18	4 47.01	+41 15.3	2.110	2.821	16.4	19.2
10 28	4 38.20	+29 24.2	1.465	2.330	15.2	20.1	10 28	4 41.46	+42 26.7	2.037	2.838	14.1	19.0
11 7	4 30.38	+29 21.5	1.419	2.347	10.9	19.9	11 7	4 32.65	+43 23.5	1.984	2.854	11.5	18.9
11 17	4 20.03	+29 3.8	1.396	2.364	6.3	19.7	11 17	4 21.25	+43 59.4	1.954	2.869	9.1	18.8
11 27	4 8.56	+28 31.1	1.400	2.381	3.1	19.5	11 27	4 8.51	+44 10.4	1.951	2.885	7.7	18.7
12 7	3 57.58	+27 47.2	1.431	2.399	5.7	19.7	12 7	3 55.99	+43 56.3	1.976	2.901	8.1	18.8
12 17	3 48.50	+26 58.2	1.489	2.416	10.0	20.0	12 17	3 45.16	+43 21.3	2.027	2.916	10.0	18.9
12 27	3 42.34	+26 11.2	1.571	2.432	13.9	20.3	12 27	3 37.13	+42 32.8	2.103	2.931	12.3	19.1
104753	2000 HZ ₁₄		11 26.4	266°66'	5.4/24.3	18	456004	2005 YM ₂₀		11 26.4	78°21'	4.0/25.0	18
10 18	4 37.71	+10 33.2	1.651	2.453	16.9	19.7	10 18	4 36.95	+ 9 20.7	2.154	2.939	14.0	21.0
10 28	4 34.02	+ 9 40.6	1.562	2.441	13.7	19.5	10 28	4 32.46	+ 9 5.3	2.081	2.949	11.2	20.8
11 7	4 27.49	+ 8 48.0	1.494	2.428	10.0	19.2	11 7	4 25.85	+ 8 53.4	2.029	2.959	8.0	20.7
11 17	4 18.69	+ 8 0.3	1.450	2.416	6.5	19.0	11 17	4 17.67	+ 8 47.5	2.004	2.969	5.1	20.5
11 27	4 8.64	+ 7 22.7	1.433	2.403	5.6	18.9	11 27	4 8.75	+ 8 49.8	2.008	2.979	4.0	20.5
12 7	3 58.64	+ 7 0.1	1.443	2.390	8.4	19.1	12 7	4 0.03	+ 9 1.7	2.040	2.989	6.1	20.6
12 17	3 49.93	+ 6 55.3	1.479	2.377	12.3	19.3	12 17	3 52.38	+ 9 23.9	2.101	2.999	9.2	20.8
12 27	3 43.56	+ 7 9.2	1.537	2.364	16.0	19.5	12 27	3 46.53	+ 9 56.0	2.187	3.010	12.1	21.0
151588	2002 UG ₂₃		11 26.4	357°05'	2.3/26.9	18	100001	1982 UC ₃		11 26.4	351°65'	10.5/22.7	17
10 18	4 34.85	+24 20.8	1.101	1.931	21.8	19.8	10 18	4 24.07	+ 3 10.3	1.174	2.019	19.8	18.6
10 28	4 33.42	+24 52.1	1.030	1.926	17.6	19.5	10 28	4 24.14	+ 1 52.0	1.103	2.000	16.6	18.3
11 7	4 27.99	+25 15.5	0.977	1.922	12.5	19.2	11 7	4 21.17	+ 0 41.7	1.050	1.983	13.3	18.1
11 17	4 19.22	+25 28.4	0.944	1.920	6.7	18.9	11 17	4 15.70	- 0 10.7	1.018	1.969	10.9	17.9
11 27	4 8.60	+25 29.5	0.934	1.919	2.3	18.6	11 27	4 8.86	- 0 35.8	1.006	1.957	10.8	17.8
12 7	3 58.15	+25 20.6	0.948	1.920	6.8	18.9	12 7	4 2.11	- 0 27.9	1.016	1.948	13.0	17.9
12 17	3 49.77	+25 6.6	0.985	1.922	12.5	19.2	12 17	3 56.82	+ 0 13.8	1.047	1.942	16.4	18.1
12 27	3 44.89	+24 53.9	1.042	1.926	17.5	19.5	12 27	3 54.12	+ 1 25.2	1.096	1.939	20.0	18.3
401823	1998 QC ₆₀		11 26.4	80°23'	4.0/28.3	18	37833	1998 BL ₃₉		11 26.4	120°49'	4.3/28.2	18

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
147869	2005 <i>WG</i> ₁₀₄		11 26.4	6°41'	1.5°/25.8	18	390562	2001 <i>BG</i> ₁₃		11 26.4	231°59'	5°0'/24.3	18
10 18	4 35.24	+18 14.1	1.882	2.679	15.3	20.0	10 18	4 38.65	+7 14.5	2.249	3.025	13.8	21.1
10 28	4 31.67	+17 55.8	1.800	2.679	12.1	19.7	10 28	4 33.93	+6 41.1	2.152	3.013	11.2	20.9
11 7	4 25.63	+17 33.9	1.740	2.680	8.3	19.5	11 7	4 27.01	+6 11.2	2.077	3.000	8.3	20.6
11 17	4 17.68	+17 10.0	1.705	2.681	4.2	19.3	11 17	4 18.37	+5 47.9	2.029	2.986	5.8	20.5
11 27	4 8.78	+16 46.3	1.697	2.682	1.6	19.1	11 27	4 8.79	+5 34.8	2.009	2.972	5.1	20.4
12 7	4 0.05	+16 25.9	1.718	2.684	5.2	19.4	12 7	3 59.21	+5 34.4	2.019	2.957	7.1	20.5
12 17	3 52.52	+16 11.4	1.767	2.686	9.3	19.6	12 17	3 50.57	+5 47.9	2.057	2.942	10.1	20.7
12 27	3 47.07	+16 5.5	1.840	2.688	12.8	19.8	12 27	3 43.68	+6 15.3	2.120	2.926	13.0	20.8
374763	2006 <i>SW</i> ₂₇₈		11 26.4	75°16'	2°1'/25.7	18	164991	2000 <i>BQ</i> ₈		11 26.4	70°86'	1°5'/26.1	18
10 18	4 43.66	+17 43.4	1.375	2.178	19.6	21.1	10 18	4 43.20	+15 13.8	1.739	2.526	16.8	18.9
10 28	4 38.78	+17 19.6	1.321	2.203	15.4	20.9	10 28	4 37.96	+15 38.8	1.673	2.545	13.2	18.7
11 7	4 30.63	+16 52.4	1.287	2.228	10.6	20.7	11 7	4 29.93	+16 5.3	1.628	2.564	9.1	18.5
11 17	4 20.11	+16 23.6	1.276	2.252	5.3	20.4	11 17	4 19.81	+16 33.0	1.608	2.583	4.6	18.3
11 27	4 8.64	+15 56.7	1.292	2.277	2.3	20.3	11 27	4 8.71	+17 1.8	1.617	2.602	1.6	18.1
12 7	3 57.80	+15 35.4	1.336	2.301	6.5	20.6	12 7	3 57.93	+17 31.9	1.655	2.621	5.3	18.4
12 17	3 48.93	+15 23.0	1.405	2.325	11.1	21.0	12 17	3 48.66	+18 3.9	1.722	2.640	9.5	18.7
12 27	3 42.94	+15 21.8	1.498	2.348	15.1	21.3	12 27	3 41.79	+18 38.7	1.814	2.659	13.1	19.0
156842	2003 <i>CA</i> ₇		11 26.4	303°78'	0°7'/26.6	18	396947	2005 <i>JK</i> ₁₄₅		11 26.4	129°17'	0°3'/26.3	18
10 18	4 38.85	+22 17.9	1.489	2.291	18.4	20.6	10 18	4 41.52	+18 51.1	2.113	2.888	14.5	21.2
10 28	4 35.65	+22 32.8	1.397	2.278	14.8	20.3	10 28	4 36.34	+19 13.4	2.031	2.897	11.5	21.1
11 7	4 29.09	+22 42.5	1.324	2.264	10.4	20.0	11 7	4 28.72	+19 34.3	1.970	2.904	7.9	20.8
11 17	4 19.70	+22 45.7	1.275	2.251	5.3	19.7	11 17	4 19.21	+19 53.1	1.937	2.912	3.9	20.6
11 27	4 8.65	+22 42.2	1.252	2.238	0.8	19.4	11 27	4 8.75	+20 9.8	1.933	2.919	0.4	20.3
12 7	3 57.52	+22 33.8	1.255	2.225	5.8	19.7	12 7	3 58.42	+20 24.9	1.959	2.926	4.5	20.7
12 17	3 47.91	+22 23.9	1.284	2.213	11.1	20.0	12 17	3 49.27	+20 39.7	2.014	2.933	8.3	20.9
12 27	3 41.12	+22 17.1	1.337	2.201	15.7	20.2	12 27	3 42.15	+20 56.2	2.096	2.939	11.7	21.2
79383	1997 <i>GU</i> ₅		11 26.4	219°40'	0°7'/26.7	18	318131	2004 <i>OK</i> ₇		11 26.4	161°96'	2°3'/27.4	18
10 18	4 41.94	+23 29.8	1.874	2.652	16.1	20.6	10 18	4 42.41	+27 55.7	1.911	2.679	16.1	21.5
10 28	4 37.26	+23 32.4	1.778	2.645	12.9	20.3	10 28	4 37.50	+28 2.4	1.826	2.684	13.0	21.3
11 7	4 29.69	+23 28.5	1.704	2.637	9.0	20.1	11 7	4 29.75	+27 59.4	1.762	2.688	9.3	21.1
11 17	4 19.82	+23 17.0	1.654	2.628	4.6	19.8	11 17	4 19.78	+27 44.8	1.723	2.692	5.3	20.9
11 27	4 8.66	+22 58.4	1.633	2.620	0.8	19.5	11 27	4 8.71	+27 18.5	1.712	2.695	2.3	20.7
12 7	3 57.55	+22 34.8	1.642	2.610	5.0	19.8	12 7	3 57.85	+26 43.1	1.730	2.697	4.9	20.9
12 17	3 47.75	+22 9.9	1.678	2.600	9.4	20.0	12 17	3 48.43	+26 2.9	1.777	2.699	8.9	21.1
12 27	3 40.33	+21 48.3	1.740	2.590	13.4	20.2	12 27	3 41.43	+25 23.5	1.849	2.701	12.6	21.3
203920	2003 <i>OH</i> ₁₃		11 26.4	12°77'	4°5'/27.8	18	509590	2008 <i>DL</i> ₂₄		11 26.4	215°17'	2°4'/27.2	18
10 18	4 35.37	+29 28.3	1.183	1.999	21.5	18.7	10 18	4 43.28	+26 46.0	1.710	2.487	17.4	22.3
10 28	4 33.59	+30 6.8	1.120	2.003	17.5	18.5	10 28	4 38.73	+27 5.9	1.619	2.482	14.1	22.0
11 7	4 27.92	+30 32.0	1.074	2.009	12.8	18.2	11 7	4 30.95	+27 17.4	1.548	2.477	10.1	21.8
11 17	4 19.11	+30 39.7	1.049	2.017	7.8	18.0	11 17	4 20.53	+27 17.8	1.501	2.472	5.7	21.5
11 27	4 8.71	+30 28.1	1.046	2.026	4.6	17.8	11 27	4 8.66	+27 6.1	1.482	2.466	2.4	21.3
12 7	3 58.68	+29 59.9	1.068	2.037	7.0	18.0	12 7	3 56.83	+26 43.8	1.491	2.459	5.5	21.5
12 17	3 50.77	+29 21.5	1.114	2.049	11.7	18.3	12 17	3 46.54	+26 15.2	1.528	2.452	10.0	21.7
12 27	3 46.23	+28 41.4	1.182	2.062	16.1	18.6	12 27	3 38.95	+25 46.1	1.589	2.445	14.1	21.9
305577	2008 <i>YY</i> ₅		11 26.4	236°26'	1°0'/26.8	18	185405	2006 <i>WQ</i> ₁₂₈		11 26.4	117°86'	0°2'/26.3	18
10 18	4 38.72	+25 27.8	1.800	2.584	16.4	20.5	10 18	4 37.65	+21 34.7	2.076	2.858	14.6	21.0
10 28	4 34.72	+25 13.2	1.713	2.582	13.1	20.3	10 28	4 33.35	+21 25.5	1.993	2.863	11.5	20.8
11 7	4 27.90	+24 48.9	1.646	2.580	9.2	20.1	11 7	4 26.67	+21 11.0	1.931	2.867	7.9	20.6
11 17	4 18.88	+24 14.4	1.604	2.578	4.8	19.8	11 17	4 18.18	+20 51.5	1.896	2.872	3.9	20.3
11 27	4 8.74	+23 31.3	1.590	2.576	1.0	19.5	11 27	4 8.81	+20 28.5	1.889	2.876	0.3	20.1
12 7	3 58.78	+22 43.2	1.604	2.574	4.9	19.8	12 7	3 59.62	+20 4.5	1.912	2.880	4.5	20.4
12 17	3 50.23	+21 55.3	1.647	2.572	9.4	20.1	12 17	3 51.61	+19 42.5	1.963	2.884	8.4	20.6
12 27	3 44.06	+21 13.0	1.714	2.569	13.3	20.3	12 27	3 45.59	+19 25.8	2.040	2.888	11.8	20.9
330170	2006 <i>BC</i> ₂₁₀		11 26.4	252°73'	2°1'/25.4	18	79743	1998 <i>SS</i> ₁₄₂		11 26.4	66°90'	1°3'/26.8	18
10 18	4 35.22	+15 18.2	2.438	3.220	12.6	21.7	10 18	4 43.66	+23 17.9	1.414	2.211	19.5	19.3
10 28	4 31.10	+15 0.0	2.340	3.211	10.0	21.5	10 28	4 39.11	+23 41.2	1.353	2.229	15.5	19.0
11 7	4 24.98	+14 40.5	2.266	3.201	7.0	21.3	11 7	4 31.12	+23 58.0	1.311	2.248	10.8	18.8
11 17	4 17.32	+14 21.3	2.218	3.191	3.8	21.1	11 17	4 20.50	+24 6.4	1.292	2.267	5.6	18.6
11 27	4 8.84	+14 4.5	2.200	3.181	2.2	21.0	11 27	4 8.67	+24 5.8	1.300	2.286	1.3	18.3
12 7	4 0.40	+13 52.1	2.211	3.171	4.8	21.1	12 7	3 57.32	+23 58.4	1.335	2.305	5.7	18.7
12 17	3 52.83	+13 46.1	2.252	3.161	8.1	21.3	12 17	3 47.91	+23 48.0	1.396	2.323	10.5	19.0
12 27	3 46.86	+13 48.0	2.318	3.150	11.1	21.5	12 27	3 41.51	+23 39.6	1.481	2.342	14.6	19.3
25156	<i>Shkolnik</i>		11 26.4	30°12'	0°7'/26.1	18	43160	1999 <i>XY</i> ₁₂₂		11 26.4	234°20'	3°6'/28.4	18
10 18	4 37.59	+20 28.3	1.769	2.564	16.2	18.8	10 18	4 38.09	+33 6.8	2.338	3.087	14.1	18.5
10 28	4 33.74	+20 14.0	1.688	2.565	12.9	18.5	10 28	4 33.75	+33 16.3	2.243	3.084	11.6	18.3
11 7	4 27.17	+19 54.3	1.628	2.567	8.9	18.3	11 7	4 27.00	+33 14.4	2.169	3.081	8.6	18.1
11 17	4 18.50	+19 30.0	1.592	2.568	4.4	18.0	11 17	4 18.38	+32 59.0	2.121	3.077	5.6	17.9
11 27	4 8.77	+19 3.2	1.584	2.570	0.8	17.8	11 27	4 8.80	+32 29.6	2.101	3.074	3.6	17.8
12 7	3 59.23	+18 37.0	1.604	2.572	5.2	18.1	12 7	3 59.36	+31 47.9	2.110	3.071	4.9	17.9
12 17	3 51.06	+18 14.9	1.652	2.574	9.6	18.4	12 17	3 51.07	+30 58.0	2.148	3.067	7.8	18.0
12 27	3 45.16	+18 0.4	1.725	2.577	13.4	18.6	12 27	3 44.79	+30 5.2	2.212	3.064	10.9	18.2
130362	2000 <i>GY</i> ₈₇		11 26.4	294°10'	0°1'/26.4	18 R	263945	2009 <i>HK</i> _{80</}					

EPHEMERIDES

11 26.4

11 26.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
223594	2004 <i>GW</i> ₃₂		11 26.4 127°50	1.8°/25.6	18		258748	2002 <i>GR</i> ₁₇₇		11 26.4 100°36	5°0/24.4	18	
10 18	4 40.42	+19 21.0	1.724	2.516	16.7	21.1	10 18	4 39.31	+13 30.8	1.429	2.238	18.7	20.8
10 28	4 35.86	+18 40.6	1.649	2.525	13.2	20.9	10 28	4 35.48	+12 23.0	1.359	2.244	14.9	20.6
11 7	4 28.54	+17 53.9	1.595	2.533	9.1	20.6	11 7	4 28.55	+11 12.6	1.310	2.249	10.6	20.3
11 17	4 19.14	+17 3.4	1.566	2.542	4.6	20.4	11 17	4 19.25	+10 4.9	1.284	2.254	6.5	20.1
11 27	4 8.78	+16 12.5	1.566	2.550	1.9	20.2	11 27	4 8.82	+9 6.5	1.285	2.259	5.2	20.0
12 7	3 58.75	+15 26.0	1.594	2.558	5.8	20.5	12 7	3 58.73	+8 23.4	1.312	2.264	8.4	20.2
12 17	3 50.20	+14 48.4	1.649	2.565	10.1	20.8	12 17	3 50.31	+7 59.6	1.364	2.269	12.6	20.5
12 27	3 44.03	+14 22.8	1.730	2.572	13.8	21.0	12 27	3 44.54	+7 56.1	1.439	2.274	16.5	20.8
173736	2001 <i>QJ</i> ₂₇₃		11 26.4 81°82	1°3/26.9	18		228972	2003 <i>UL</i> ₂₀₈		11 26.4 325°93	1°2/25.9	18	
10 18	4 40.15	+24 12.3	1.927	2.705	15.7	20.2	10 18	4 32.95	+19 4.2	1.842	2.645	15.4	19.8
10 28	4 35.53	+24 27.6	1.852	2.718	12.5	20.1	10 28	4 30.24	+18 48.9	1.740	2.623	12.3	19.5
11 7	4 28.27	+24 36.6	1.799	2.731	8.7	19.8	11 7	4 24.94	+18 29.1	1.660	2.601	8.5	19.3
11 17	4 19.01	+24 38.2	1.771	2.744	4.6	19.6	11 17	4 17.54	+18 6.0	1.603	2.580	4.3	19.0
11 27	4 8.79	+24 32.4	1.771	2.756	1.3	19.4	11 27	4 8.92	+17 41.7	1.574	2.559	1.3	18.7
12 7	3 58.83	+24 21.0	1.800	2.769	4.6	19.7	12 7	4 0.23	+17 19.3	1.572	2.540	5.4	18.9
12 17	3 50.23	+24 7.0	1.858	2.781	8.6	20.0	12 17	3 52.63	+17 2.0	1.598	2.521	9.8	19.2
12 27	3 43.87	+23 54.2	1.941	2.794	12.1	20.2	12 27	3 47.12	+16 53.1	1.647	2.503	13.7	19.4
328042	2007 <i>LK</i> ₁₈		11 26.4 135°15	7°2/23.7	18		177371	2004 <i>BY</i> ₃₃		11 26.4 33°00	8°0/24.6	18	
10 18	4 38.16	- 6 22.9	2.899	3.630	12.0	21.0	10 18	4 37.79	+ 2 1.0	1.549	2.346	18.0	19.6
10 28	4 32.75	- 6 48.2	2.831	3.642	10.2	20.9	10 28	4 33.91	+ 1 26.9	1.488	2.355	14.9	19.5
11 7	4 25.73	- 7 2.8	2.785	3.653	8.6	20.8	11 7	4 27.27	+ 1 4.0	1.446	2.365	11.6	19.3
11 17	4 17.57	- 7 3.1	2.765	3.664	7.4	20.8	11 17	4 18.55	+ 0 57.7	1.428	2.375	8.8	19.2
11 27	4 8.90	- 6 46.8	2.774	3.675	7.2	20.8	11 27	4 8.87	+ 1 12.1	1.435	2.386	8.1	19.1
12 7	4 0.42	- 6 13.3	2.811	3.685	8.1	20.8	12 7	3 59.52	+ 1 48.4	1.467	2.398	9.9	19.3
12 17	3 52.77	- 5 23.4	2.875	3.695	9.6	21.0	12 17	3 51.64	+ 2 45.0	1.525	2.410	12.9	19.5
12 27	3 46.51	- 4 19.4	2.965	3.704	11.2	21.1	12 27	3 46.12	+ 3 58.5	1.605	2.422	16.0	19.7
1081	Reseda		11 26.4 17°08	1°4/26.9	18		161893	2007 <i>DJ</i> ₂₃		11 26.4 160°90	0°3/26.2	18	
10 18	4 36.08	+24 34.9	1.861	2.650	15.8	15.3	10 18	4 36.55	+20 59.9	2.762	3.530	11.7	21.8
10 28	4 32.52	+24 49.2	1.782	2.654	12.6	15.1	10 28	4 31.83	+20 46.2	2.673	3.536	9.2	21.6
11 7	4 26.33	+24 57.0	1.725	2.659	8.8	14.9	11 7	4 25.30	+20 28.4	2.608	3.541	6.3	21.4
11 17	4 18.11	+24 57.1	1.691	2.665	4.7	14.7	11 17	4 17.45	+20 7.0	2.571	3.545	3.1	21.2
11 27	4 8.86	+24 49.7	1.685	2.671	1.4	14.5	11 27	4 8.94	+19 43.3	2.563	3.550	0.4	21.0
12 7	3 59.78	+24 36.6	1.708	2.677	4.7	14.7	12 7	4 0.58	+19 19.2	2.587	3.554	3.6	21.3
12 17	3 52.01	+24 20.9	1.758	2.684	8.7	15.0	12 17	3 53.08	+18 57.1	2.641	3.557	6.7	21.5
12 27	3 46.45	+24 6.5	1.833	2.692	12.4	15.2	12 27	3 47.08	+18 39.3	2.723	3.560	9.5	21.7
56821	2000 <i>QC</i> ₁₁		11 26.4 170°11	0°6/26.2	18		161158	2002 <i>ST</i> ₅₂		11 26.4 135°77	2°9/27.8	18	
10 18	4 40.78	+20 45.4	2.004	2.783	15.1	20.5	10 18	4 40.48	+30 31.1	2.978	3.714	11.6	20.3
10 28	4 35.90	+20 29.8	1.918	2.787	12.0	20.3	10 28	4 34.98	+31 7.2	2.891	3.725	9.4	20.2
11 7	4 28.49	+20 8.9	1.854	2.789	8.3	20.0	11 7	4 27.52	+31 36.4	2.827	3.737	6.9	20.0
11 17	4 19.13	+19 43.2	1.816	2.792	4.1	19.8	11 17	4 18.58	+31 56.6	2.791	3.748	4.4	19.9
11 27	4 8.81	+19 14.4	1.807	2.794	0.7	19.5	11 27	4 8.88	+32 6.8	2.785	3.759	2.9	19.8
12 7	3 58.67	+18 45.6	1.828	2.795	4.8	19.9	12 7	3 59.27	+32 7.3	2.811	3.769	4.0	19.9
12 17	3 49.79	+18 20.0	1.878	2.796	8.9	20.1	12 17	3 50.57	+31 59.8	2.867	3.779	6.4	20.1
12 27	3 43.04	+18 1.1	1.953	2.796	12.4	20.3	12 27	3 43.46	+31 47.6	2.950	3.788	8.8	20.2
25177	1998 <i>ST</i> ₈₄		11 26.4 56°33	3°9/27.7	18		491055	2011 <i>QE</i> ₆₂		11 26.4 356°36	0°4/26.2	18	
10 18	4 43.95	+28 53.9	1.586	2.364	18.5	18.2	10 18	4 31.37	+21 31.5	2.704	3.483	11.6	20.5
10 28	4 39.18	+29 42.3	1.526	2.387	14.9	18.0	10 28	4 27.89	+21 7.1	2.612	3.482	9.1	20.3
11 7	4 31.09	+30 20.8	1.486	2.410	10.8	17.9	11 7	4 22.67	+20 37.6	2.545	3.481	6.3	20.1
11 17	4 20.49	+30 45.4	1.469	2.434	6.6	17.7	11 17	4 16.17	+20 4.2	2.504	3.480	3.1	19.9
11 27	4 8.74	+30 53.8	1.479	2.457	3.9	17.6	11 27	4 9.03	+19 28.5	2.492	3.479	0.5	19.7
12 7	3 57.42	+30 47.3	1.517	2.481	6.0	17.7	12 7	4 2.01	+18 53.1	2.511	3.478	3.6	20.0
12 17	3 47.97	+30 30.3	1.582	2.505	9.8	18.0	12 17	3 55.80	+18 20.7	2.559	3.478	6.8	20.2
12 27	3 41.40	+30 8.9	1.671	2.529	13.4	18.3	12 27	3 51.01	+17 53.7	2.635	3.479	9.6	20.3
255051	2005 <i>TM</i> ₁₃₉		11 26.4 73°47	1°5/25.8	18		407198	2009 <i>UG</i> ₁₃₂		11 26.4 7°05	2°8/27.9	17	
10 18	4 36.61	+18 7.4	2.023	2.813	14.6	21.0	10 18	4 36.35	+30 41.9	2.019	2.789	15.3	20.2
10 28	4 32.52	+17 48.0	1.944	2.819	11.6	20.8	10 28	4 32.66	+30 38.7	1.933	2.789	12.5	20.0
11 7	4 26.10	+17 25.3	1.887	2.825	7.9	20.6	11 7	4 26.39	+30 23.4	1.867	2.790	9.1	19.8
11 17	4 17.92	+17 0.7	1.856	2.831	4.0	20.4	11 17	4 18.15	+29 54.9	1.826	2.791	5.4	19.6
11 27	4 8.90	+16 36.5	1.853	2.837	1.6	20.2	11 27	4 8.93	+29 13.4	1.812	2.792	2.9	19.4
12 7	4 0.07	+16 15.4	1.879	2.844	5.0	20.5	12 7	3 59.91	+28 22.1	1.827	2.794	4.8	19.5
12 17	3 52.42	+16 0.0	1.933	2.850	8.7	20.7	12 17	3 52.20	+27 25.7	1.870	2.796	8.4	19.8
12 27	3 46.72	+15 52.6	2.013	2.856	12.1	20.9	12 27	3 46.65	+26 30.1	1.940	2.799	11.8	20.0
173621	2001 <i>FU</i> ₄₈		11 26.4 214°30	0°8/26.1	18		209182	2003 <i>UR</i> ₁₆₈		11 26.4 29°33	0°6/26.7	18	
10 18	4 41.55	+20 25.4	1.909	2.690	15.7	21.0	10 18	4 36.94	+24 27.6	1.470	2.274	18.5	19.6
10 28	4 36.80	+20 7.1	1.813	2.683	12.5	20.8	10 28	4 33.77	+24 9.8	1.401	2.282	14.7	19.3
11 7	4 29.30	+19 43.1	1.740	2.675	8.7	20.5	11 7	4 27.45	+23 41.7	1.351	2.291	10.2	19.1
11 17	4 19.63	+19 14.0	1.691	2.667	4.3	20.3	11 17	4 18.73	+23 3.9	1.325	2.301	5.2	18.8
11 27	4 8.79	+18 41.7	1.672	2.658	0.9	20.0	11 27	4 8.90	+22 18.6	1.324	2.311	0.6	18.5
12 7	3 58.01	+18 9.4	1.682	2.648	5.2	20.3	12 7	3 59.43	+21 30.6	1.351	2.321	5.5	18.9
12 17	3 48.50	+17 40.9	1.720	2.638	9.6	20.5	12 17	3 51.66	+20 45.7	1.403	2.333	10.3	19.2
12 27	3 41.25	+17 20.1	1.784	2.627	13.4	20.7	12 27	3 46.58	+20 9.1	1.479	2.344	14.4	19.5
380321	2002 <i>HF</i> ₈		11 26.4 53°64	1°1/26.7	16		406170	2006 <i>WN</i> ₅₂		11 26.4 29			

EPHEMERIDES

11 26.4

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
409791	2006 <i>FT</i> ₅₄		11 26.4 269°40	2°6/27.5	17		336558	2009 <i>RM</i> ₃₄		11 26.5 178°77	2°6/27.3	18	
10 18	4 37.83	+28 27.2	2.368	3.129	13.6	21.3	10 18	4 43.73	+27 13.8	1.766	2.539	17.1	20.9
10 28	4 33.53	+28 51.5	2.270	3.122	11.0	21.1	10 28	4 38.95	+27 38.9	1.680	2.540	13.8	20.6
11 7	4 26.90	+29 8.5	2.194	3.116	8.0	20.9	11 7	4 31.04	+27 55.6	1.614	2.541	9.9	20.4
11 17	4 18.42	+29 16.4	2.144	3.110	4.8	20.7	11 17	4 20.62	+28 1.4	1.573	2.542	5.7	20.2
11 27	4 8.93	+29 14.3	2.123	3.103	2.6	20.6	11 27	4 8.86	+27 54.7	1.559	2.542	2.6	20.0
12 7	3 59.46	+29 3.0	2.132	3.097	4.4	20.7	12 7	3 57.21	+27 37.0	1.574	2.541	5.4	20.2
12 17	3 51.01	+28 45.1	2.170	3.090	7.7	20.9	12 17	3 47.10	+27 12.3	1.617	2.540	9.6	20.4
12 27	3 44.44	+28 24.4	2.234	3.084	10.8	21.1	12 27	3 39.61	+26 46.1	1.685	2.539	13.5	20.6
197677	2004 <i>NP</i> ₂₀		11 26.4 102°96	0°3/26.6	18		120991	1998 <i>XQ</i> ₂₁		11 26.5 29°58	2°4/27.4	18	
10 18	4 41.37	+24 5.7	1.733	2.517	16.9	20.5	10 18	4 39.13	+28 6.7	1.407	2.205	19.5	19.9
10 28	4 36.66	+23 41.7	1.661	2.531	13.4	20.3	10 28	4 35.89	+28 4.6	1.334	2.209	15.7	19.7
11 7	4 29.11	+23 8.5	1.610	2.545	9.3	20.1	11 7	4 29.16	+27 49.2	1.280	2.214	11.2	19.5
11 17	4 19.47	+22 26.8	1.584	2.559	4.7	19.8	11 17	4 19.72	+27 19.0	1.248	2.220	6.3	19.2
11 27	4 8.89	+21 38.8	1.586	2.573	0.3	19.5	11 27	4 8.93	+26 34.8	1.242	2.226	2.4	19.0
12 7	3 58.70	+20 48.9	1.618	2.586	5.0	19.9	12 7	3 58.49	+25 41.0	1.262	2.232	5.8	19.2
12 17	3 50.09	+20 2.1	1.677	2.599	9.4	20.2	12 17	3 49.93	+24 44.5	1.308	2.239	10.7	19.5
12 27	3 43.94	+19 23.4	1.761	2.612	13.2	20.5	12 27	3 44.35	+23 53.0	1.378	2.247	15.0	19.8
26916	1996 <i>RR</i> ₂		11 26.4 222°69	16°9/5.2	18 A		415248	2012 <i>JM</i> ₄₃		11 26.5 252°70	2°2/25.2	17	
10 18	4 59.94	+56 39.1	1.359	2.030	25.6	17.9	10 18	4 34.34	+17 14.2	2.343	3.129	13.0	21.5
10 28	4 56.25	+58 7.4	1.283	2.026	23.6	17.7	10 28	4 30.45	+16 27.8	2.255	3.127	10.3	21.3
11 7	4 45.61	+59 7.0	1.218	2.021	21.3	17.5	11 7	4 24.56	+15 37.2	2.189	3.126	7.1	21.1
11 17	4 28.70	+59 21.7	1.167	2.015	19.1	17.3	11 17	4 17.19	+14 45.0	2.151	3.125	3.8	20.9
11 27	4 8.32	+58 36.7	1.135	2.009	17.4	17.2	11 27	4 9.10	+13 54.4	2.142	3.123	2.3	20.8
12 7	3 48.77	+56 48.2	1.122	2.003	16.9	17.2	12 7	4 1.14	+13 8.9	2.163	3.122	5.0	21.0
12 17	3 33.75	+54 7.1	1.131	1.996	17.9	17.2	12 17	3 54.15	+12 31.9	2.213	3.121	8.3	21.2
12 27	3 25.19	+50 54.8	1.161	1.989	20.1	17.3	12 27	3 48.81	+12 5.6	2.288	3.119	11.3	21.4
242841	2006 <i>DO</i> ₁₀₉		11 26.4 106°35	5°9/29.0	18		80234	1999 <i>VK</i> ₁₉₅		11 26.5 3°92	4°5/24.8	18	
10 18	4 44.82	+36 32.1	1.891	2.633	17.2	20.9	10 18	4 36.08	+15 24.9	1.259	2.085	19.8	19.5
10 28	4 39.77	+37 12.0	1.815	2.645	14.3	20.7	10 28	4 33.49	+14 23.0	1.190	2.084	15.8	19.2
11 7	4 31.52	+37 37.6	1.759	2.658	11.1	20.5	11 7	4 27.53	+13 16.2	1.139	2.084	11.1	19.0
11 17	4 20.79	+37 44.2	1.726	2.670	7.9	20.4	11 17	4 18.93	+12 9.7	1.110	2.084	6.4	18.7
11 27	4 8.84	+37 29.1	1.721	2.682	6.0	20.3	11 27	4 9.00	+11 10.5	1.107	2.086	4.7	18.6
12 7	3 57.19	+36 53.8	1.743	2.693	6.8	20.4	12 7	3 59.36	+10 25.3	1.128	2.087	8.4	18.8
12 17	3 47.27	+36 3.6	1.792	2.705	9.6	20.6	12 17	3 51.50	+9 58.9	1.174	2.090	13.2	19.1
12 27	3 40.09	+35 6.1	1.867	2.716	12.7	20.8	12 27	3 46.49	+9 53.3	1.240	2.093	17.5	19.4
84215	2002 <i>RP</i> ₁₇₇		11 26.4 167°14	5°7/29.6	18		220717	2004 <i>SX</i> ₂₆		11 26.5 60°83	10°1/27.5	17	
10 18	4 40.44	+39 51.7	2.631	3.342	13.5	19.7	10 18	4 56.99	-4 10.5	0.962	1.753	27.0	19.2
10 28	4 35.62	+40 30.0	2.539	3.344	11.5	19.5	10 28	4 50.59	-3 26.5	0.912	1.772	22.6	19.0
11 7	4 28.33	+40 55.8	2.468	3.345	9.2	19.4	11 7	4 39.55	-2 11.7	0.877	1.791	17.5	18.8
11 17	4 19.14	+41 5.8	2.421	3.346	7.0	19.3	11 17	4 24.91	-0 21.0	0.861	1.811	12.6	18.6
11 27	4 8.93	+40 57.6	2.402	3.347	5.7	19.2	11 27	4 8.67	+2 3.7	0.870	1.831	10.1	18.6
12 7	3 58.83	+40 31.8	2.412	3.348	6.2	19.2	12 7	3 53.25	+4 52.5	0.905	1.852	12.1	18.7
12 17	3 49.89	+39 51.4	2.450	3.349	8.0	19.3	12 17	3 40.73	+7 52.0	0.965	1.872	16.3	19.1
12 27	3 42.97	+39 1.9	2.514	3.349	10.3	19.5	12 27	3 32.42	+10 50.4	1.047	1.892	20.6	19.4
284171	2005 <i>YE</i> ₂₄₁		11 26.4 200°46	1°7/27.2	18		349156	2007 <i>PV</i> ₉		11 26.5 81°68	7°3/30.1	18	
10 18	4 41.35	+26 31.4	2.022	2.791	15.3	22.0	10 18	4 46.05	+40 20.9	1.788	2.520	18.3	20.8
10 28	4 36.61	+26 36.1	1.929	2.788	12.3	21.8	10 28	4 41.03	+41 3.2	1.720	2.538	15.5	20.7
11 7	4 29.17	+26 32.6	1.857	2.785	8.8	21.6	11 7	4 32.51	+41 27.6	1.670	2.555	12.4	20.5
11 17	4 19.60	+26 19.2	1.811	2.781	4.8	21.3	11 17	4 21.31	+41 28.5	1.643	2.573	9.4	20.4
11 27	4 8.91	+25 56.1	1.793	2.777	1.7	21.1	11 27	4 8.87	+41 2.7	1.641	2.590	7.5	20.3
12 7	3 58.32	+25 25.4	1.804	2.772	4.7	21.3	12 7	3 56.92	+40 12.5	1.666	2.608	8.0	20.4
12 17	3 49.01	+24 51.0	1.845	2.767	8.7	21.5	12 17	3 46.95	+39 4.4	1.718	2.625	10.3	20.5
12 27	3 41.93	+24 17.9	1.911	2.762	12.3	21.7	12 27	3 40.04	+37 47.7	1.794	2.642	13.2	20.7
480865	2001 <i>SF</i> ₁₃₆		11 26.4 19°23	4°4/27.8	16		419886	2011 <i>AQ</i> ₄₃		11 26.5 341°14	5°0/24.7	18	
10 18	4 35.44	+29 0.3	1.016	1.845	23.3	20.6	10 18	4 34.70	+8 10.4	1.914	2.710	15.1	20.3
10 28	4 34.08	+29 35.2	0.963	1.855	18.9	20.3	10 28	4 31.21	+7 43.3	1.830	2.704	12.2	20.1
11 7	4 28.47	+29 55.1	0.927	1.867	13.7	20.1	11 7	4 25.38	+7 20.3	1.768	2.698	9.0	19.9
11 17	4 19.49	+29 55.9	0.910	1.881	8.2	19.8	11 17	4 17.71	+7 4.9	1.731	2.693	6.0	19.7
11 27	4 8.92	+29 36.6	0.915	1.897	4.4	19.7	11 27	4 9.08	+7 0.6	1.721	2.688	5.1	19.7
12 7	3 58.92	+29 1.2	0.944	1.914	7.2	19.9	12 7	4 0.54	+7 9.6	1.738	2.684	7.3	19.8
12 17	3 51.35	+28 17.5	0.995	1.933	12.3	20.3	12 17	3 53.09	+7 32.7	1.782	2.680	10.6	20.0
12 27	3 47.43	+27 34.7	1.066	1.953	16.9	20.6	12 27	3 47.58	+8 9.5	1.850	2.677	13.7	20.2
218970	2008 <i>FM</i> ₃₈		11 26.4 125°64	4°4/24.2	18		39965	1998 <i>FK</i> ₁₃₇		11 26.5 93°10	6°6/23.2	18	
10 18	4 35.72	+9 34.0	2.315	3.098	13.2	20.7	10 18	4 40.43	+5 52.8	1.985	2.764	15.2	19.8
10 28	4 31.38	+8 44.3	2.240	3.107	10.6	20.6	10 28	4 35.09	+4 26.3	1.935	2.794	12.3	19.7
11 7	4 25.11	+7 56.1	2.188	3.115	7.7	20.4	11 7	4 27.58	+3 4.7	1.908	2.824	9.3	19.6
11 17	4 17.40	+7 13.0	2.163	3.124	5.2	20.3	11 17	4 18.59	+1 53.6	1.906	2.852	7.1	19.5
11 27	4 9.05	+6 38.5	2.167	3.132	4.5	20.3	11 27	4 9.05	+0 58.4	1.934	2.880	6.8	19.5
12 7	4 0.88	+6 15.6	2.200	3.140	6.4	20.4	12 7	3 59.96	+0 22.8	1.990	2.908	8.5	19.7
12 17	3 53.71	+6 5.9	2.261	3.147	9.2	20.6	12 17	3 52.18	+0 7.8	2.072	2.934	11.0	19.9
12 27	3 48.18	+6 9.8	2.347	3.155	11.8	20.8	12 27	3 46.35	+0 12.5	2.178	2.960	13.5	20.1
211417	2002 <i>VW</i> ₁₄₃		11 26.5 152°17	0°3/26.6	18		247403	2002 <i>BL</i> ₁₉		11 2			

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
142534	2002 TY ₄₈		11 26.5	45°70	2°2/25.4	18	91575	1999 SS ₆		11 26.5	7°69	4°4/25.1	18
10 18	4 36.57	+19 19.1	1.657	2.460	16.8	19.0	10 18	4 36.58	+9 4.9	1.894	2.688	15.3	18.5
10 28	4 32.93	+18 25.3	1.588	2.470	13.3	18.8	10 28	4 32.68	+8 52.0	1.815	2.689	12.3	18.3
11 7	4 26.60	+17 24.7	1.540	2.481	9.1	18.6	11 7	4 26.37	+8 43.6	1.758	2.690	8.9	18.1
11 17	4 18.28	+16 20.5	1.517	2.493	4.7	18.4	11 17	4 18.21	+8 42.4	1.725	2.691	5.7	17.9
11 27	4 9.07	+15 17.5	1.521	2.504	2.3	18.3	11 27	4 9.10	+8 50.8	1.720	2.693	4.5	17.8
12 7	4 0.22	+14 21.0	1.553	2.516	6.0	18.5	12 7	4 0.13	+9 10.4	1.743	2.695	6.8	18.0
12 17	3 52.83	+13 35.8	1.612	2.529	10.2	18.8	12 17	3 52.31	+9 41.5	1.793	2.697	10.2	18.2
12 27	3 47.74	+13 5.0	1.695	2.541	13.9	19.1	12 27	3 46.49	+10 23.6	1.868	2.700	13.4	18.4
161465	2004 CY ₇₀		11 26.5	138°12	0°6/26.7	18	511053	2013 SK ₁₀		11 26.5	34°23	4°8/25.1	18
10 18	4 39.18	+23 10.3	2.026	2.805	15.0	20.4	10 18	4 37.45	+15 6.5	0.951	1.795	23.4	20.6
10 28	4 34.74	+23 11.9	1.941	2.808	11.9	20.2	10 28	4 35.04	+14 11.6	0.911	1.815	18.4	20.3
11 7	4 27.78	+23 7.6	1.879	2.812	8.3	20.0	11 7	4 28.68	+13 15.1	0.887	1.836	12.8	20.1
11 17	4 18.90	+22 56.9	1.841	2.816	4.2	19.8	11 17	4 19.43	+12 23.0	0.883	1.859	7.2	19.9
11 27	4 9.03	+22 40.6	1.833	2.819	0.6	19.5	11 27	4 9.05	+11 42.2	0.902	1.882	4.9	19.9
12 7	3 59.33	+22 20.7	1.853	2.822	4.5	19.8	12 7	3 59.46	+11 18.2	0.944	1.907	8.9	20.2
12 17	3 50.86	+22 0.4	1.903	2.826	8.5	20.0	12 17	3 52.23	+11 13.8	1.008	1.933	13.9	20.5
12 27	3 44.49	+21 43.2	1.978	2.828	12.0	20.3	12 27	3 48.34	+11 28.8	1.093	1.959	18.3	20.9
289240	2004 XU ₇₆		11 26.5	327°67	0°6/26.7	17	286874	2002 ON ₂₁		11 26.5	10°47	12°6/5.4	17
10 18	4 38.16	+21 33.5	2.155	2.933	14.2	20.3	10 18	4 48.60	+54 54.0	1.664	2.333	21.6	19.6
10 28	4 33.89	+21 57.6	2.063	2.930	11.3	20.1	10 28	4 44.65	+55 28.3	1.586	2.334	19.6	19.4
11 7	4 27.22	+22 18.9	1.993	2.927	7.9	19.9	11 7	4 35.80	+55 33.3	1.521	2.336	17.2	19.3
11 17	4 18.65	+22 36.3	1.950	2.924	4.0	19.6	11 17	4 23.14	+54 59.5	1.475	2.338	14.9	19.1
11 27	4 9.05	+22 49.4	1.935	2.921	0.6	19.4	11 27	4 8.83	+53 40.5	1.449	2.341	13.1	19.0
12 7	3 59.47	+22 58.8	1.950	2.919	4.3	19.7	12 7	3 55.45	+51 38.1	1.447	2.345	12.6	19.0
12 17	3 50.95	+23 6.3	1.994	2.916	8.1	19.9	12 17	3 45.10	+49 2.5	1.469	2.350	13.6	19.1
12 27	3 44.38	+23 14.1	2.063	2.914	11.6	20.1	12 27	3 38.96	+46 9.3	1.516	2.355	15.6	19.2
109027	2001 QQ ₉		11 26.5	117°03	0°8/26.8	18	30426	Phitalbot		11 26.5	143°86	0°7/26.2	18
10 18	4 39.86	+24 40.3	2.204	2.973	14.2	20.4	10 18	4 41.08	+21 28.3	1.911	2.692	15.7	19.0
10 28	4 34.93	+24 32.6	2.126	2.987	11.3	20.2	10 28	4 36.23	+20 59.8	1.831	2.700	12.4	18.8
11 7	4 27.69	+24 17.8	2.071	3.001	7.8	20.0	11 7	4 28.78	+20 24.5	1.773	2.709	8.6	18.6
11 17	4 18.76	+23 55.7	2.042	3.015	4.0	19.8	11 17	4 19.37	+19 43.4	1.741	2.716	4.2	18.4
11 27	4 9.05	+23 27.3	2.042	3.028	0.8	19.6	11 27	4 9.05	+18 59.1	1.737	2.723	0.8	18.1
12 7	3 59.60	+22 55.2	2.073	3.041	4.1	19.9	12 7	3 59.00	+18 15.4	1.763	2.730	4.9	18.4
12 17	3 51.38	+22 22.8	2.132	3.054	7.8	20.1	12 17	3 50.32	+17 36.6	1.818	2.736	9.1	18.7
12 27	3 45.12	+21 54.0	2.219	3.066	11.0	20.3	12 27	3 43.86	+17 6.4	1.898	2.742	12.7	18.9
390174	2012 WU		11 26.5	351°11	0°3/26.3	18	178408	1998 RR		11 26.5	45°31	7°2/30.1	18
10 18	4 31.64	+21 24.0	2.667	3.447	11.7	21.3	10 18	4 42.21	+39 46.0	1.621	2.370	19.3	19.8
10 28	4 28.20	+21 9.7	2.574	3.443	9.3	21.2	10 28	4 38.32	+40 13.1	1.551	2.381	16.3	19.6
11 7	4 22.97	+20 51.0	2.505	3.441	6.4	21.0	11 7	4 30.82	+40 20.4	1.498	2.393	12.9	19.4
11 17	4 16.41	+20 28.5	2.462	3.438	3.2	20.8	11 17	4 20.54	+40 2.7	1.466	2.405	9.5	19.3
11 27	4 9.18	+20 3.6	2.449	3.436	0.4	20.5	11 27	4 8.98	+39 17.7	1.460	2.417	7.3	19.2
12 7	4 2.04	+19 38.5	2.466	3.434	3.6	20.8	12 7	3 57.91	+38 8.7	1.480	2.430	7.9	19.2
12 17	3 55.70	+19 15.5	2.512	3.432	6.8	21.0	12 17	3 48.87	+36 43.5	1.526	2.443	10.6	19.4
12 27	3 50.81	+18 56.9	2.585	3.431	9.6	21.2	12 27	3 42.95	+35 12.3	1.596	2.456	13.8	19.7
358581	2007 UD ₅		11 26.5	333°36	2°1/26.9	18	481361	2006 FH ₄₁		11 26.5	4°12	3°5/25.3	18
10 18	4 36.16	+24 7.2	1.421	2.230	18.8	20.6	10 18	4 34.97	+15 42.2	1.368	2.189	18.8	20.4
10 28	4 33.86	+24 42.2	1.330	2.213	15.2	20.3	10 28	4 32.40	+15 4.3	1.297	2.189	14.9	20.2
11 7	4 28.12	+25 12.1	1.259	2.198	10.9	20.0	11 7	4 26.69	+14 23.2	1.244	2.189	10.4	19.9
11 17	4 19.45	+25 34.4	1.209	2.184	6.0	19.7	11 17	4 18.52	+13 42.7	1.215	2.190	5.7	19.7
11 27	4 9.00	+25 47.3	1.185	2.170	2.1	19.4	11 27	4 9.10	+13 7.5	1.210	2.192	3.6	19.6
12 7	3 58.41	+25 51.1	1.187	2.158	6.0	19.6	12 7	3 59.91	+12 42.1	1.232	2.194	7.3	19.8
12 17	3 49.35	+25 48.9	1.214	2.146	11.2	19.9	12 17	3 52.34	+12 30.4	1.278	2.198	12.0	20.1
12 27	3 43.22	+25 45.5	1.263	2.136	15.9	20.1	12 27	3 47.43	+12 33.9	1.346	2.202	16.1	20.3
264238	2010 TX ₄₇		11 26.5	47°56	1°0/26.0	18	394278	2006 UU ₂₂₈		11 26.5	56°95	1°7/26.9	18
10 18	4 36.78	+19 41.3	1.876	2.669	15.5	21.1	10 18	4 44.31	+22 37.1	1.704	2.485	17.3	20.3
10 28	4 32.91	+19 23.5	1.799	2.676	12.2	20.9	10 28	4 39.13	+23 27.3	1.641	2.508	13.7	20.2
11 7	4 26.53	+19 1.2	1.744	2.683	8.4	20.7	11 7	4 30.96	+24 13.7	1.599	2.531	9.6	20.0
11 17	4 18.26	+18 35.4	1.714	2.690	4.2	20.5	11 17	4 20.51	+24 53.4	1.582	2.555	5.1	19.8
11 27	4 9.08	+18 8.4	1.712	2.697	1.1	20.3	11 27	4 8.99	+25 24.5	1.593	2.578	1.7	19.6
12 7	4 0.13	+17 43.2	1.738	2.705	5.0	20.6	12 7	3 57.81	+25 46.9	1.634	2.602	5.0	19.9
12 17	3 52.46	+17 22.9	1.792	2.713	9.0	20.8	12 17	3 48.26	+26 2.7	1.702	2.626	9.2	20.2
12 27	3 46.89	+17 10.5	1.871	2.721	12.6	21.1	12 27	3 41.31	+26 15.3	1.795	2.649	12.8	20.4
477452	2009 WM ₂₁₄		11 26.5	8°68	0°5/26.3	16	399965	2006 BD ₈₁		11 26.5	11°18	5°5/24.3	18
10 18	4 34.52	+21 25.6	1.126	1.959	21.2	21.3	10 18	4 34.24	+7 26.7	1.919	2.716	15.1	20.3
10 28	4 32.82	+21 14.7	1.062	1.960	16.9	21.0	10 28	4 30.75	+6 46.4	1.845	2.717	12.2	20.1
11 7	4 27.39	+20 55.7	1.014	1.963	11.7	20.7	11 7	4 24.98	+6 10.2	1.792	2.720	9.0	19.9
11 17	4 18.98	+20 29.4	0.988	1.966	5.8	20.4	11 17	4 17.49	+5 42.3	1.763	2.722	6.3	19.8
11 27	4 9.05	+19 58.9	0.985	1.971	0.7	20.1	11 27	4 9.16	+5 26.5	1.762	2.725	5.6	19.8
12 7	3 59.46	+19 28.7	1.006	1.978	6.6	20.5	12 7	3 57.91	+5 25.5	1.788	2.729	7.6	19.9
12 17	3 51.86	+19 4.4	1.051	1.985	12.2	20.8	12 17	3 53.94	+5 40.2	1.841	2.732	10.7	20.1
12 27	3 47.47	+18 50.7	1.117	1.994	17.1	21.1	12 27	3 48.79	+6 10.1	1.917	2.737	13.6	20.3
168120	2006 FM ₃₀		11 26.5	156°19	1°2/25.8	18	128154	2003 QX ₈₈		11 26.5	85°23	4°2/27.9	18
10 18	4 39.77	+18 59.2	2.332	3.									

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
514143	2015 <i>JK</i> ₂		11 26.5 191°82	0°4/26.6	18		155190	2005 <i>UV</i> ₃₅₅		11 26.5 114°17	1°1/25.9	18	
10 18	4 42.63	+22 48.1	1.949	2.724	15.6	22.3	10 18	4 36.93	+18 57.7	2.229	3.011	13.7	20.8
10 28	4 37.66	+22 48.1	1.858	2.723	12.5	22.1	10 28	4 32.61	+18 39.9	2.148	3.018	10.8	20.6
11 7	4 29.94	+22 42.1	1.788	2.721	8.7	21.8	11 7	4 26.13	+18 18.5	2.089	3.025	7.4	20.4
11 17	4 20.06	+22 29.4	1.744	2.718	4.4	21.6	11 17	4 18.04	+17 54.6	2.056	3.032	3.7	20.2
11 27	4 9.03	+22 10.7	1.729	2.715	0.5	21.3	11 27	4 9.18	+17 30.2	2.053	3.038	1.2	20.0
12 7	3 58.11	+21 48.2	1.743	2.712	4.8	21.6	12 7	4 0.50	+17 7.6	2.079	3.045	4.5	20.3
12 17	3 48.49	+21 25.4	1.786	2.707	9.0	21.8	12 17	3 52.89	+16 49.6	2.134	3.051	8.1	20.5
12 27	3 41.14	+21 6.3	1.855	2.702	12.8	22.1	12 27	3 47.08	+16 38.4	2.216	3.057	11.2	20.7
352341	2007 <i>VK</i> ₆₆		11 26.5 226°33	0°6/26.3	18		321488	2009 <i>SW</i> ₃₉		11 26.5 114°29	0°2/26.6	18	
10 18	4 41.56	+17 51.0	2.056	2.834	14.8	21.2	10 18	4 36.67	+22 42.9	2.313	3.088	13.4	21.4
10 28	4 36.68	+18 12.7	1.961	2.828	11.8	20.9	10 28	4 32.42	+22 34.3	2.227	3.093	10.6	21.3
11 7	4 29.23	+18 34.0	1.888	2.823	8.2	20.7	11 7	4 26.01	+22 20.0	2.164	3.098	7.4	21.1
11 17	4 19.72	+18 54.6	1.841	2.817	4.1	20.4	11 17	4 18.00	+22 0.4	2.128	3.102	3.7	20.8
11 27	4 9.05	+19 14.3	1.824	2.810	0.7	20.2	11 27	4 9.19	+21 36.6	2.120	3.107	0.3	20.6
12 7	3 58.36	+19 33.6	1.837	2.804	4.7	20.5	12 7	4 0.54	+21 10.8	2.143	3.111	4.0	20.9
12 17	3 48.78	+19 53.4	1.879	2.797	8.8	20.7	12 17	3 52.93	+20 46.1	2.194	3.116	7.6	21.1
12 27	3 41.27	+20 15.7	1.946	2.790	12.4	20.9	12 27	3 47.11	+20 25.4	2.273	3.120	10.8	21.3
27866	1995 <i>FZ</i> ₆		11 26.5 213°14	1°7/27.1	18		415686	2014 <i>RL</i> ₄₈		11 26.5 102°53	3°1/27.9	18	
10 18	4 39.47	+25 40.8	2.066	2.838	14.9	19.5	10 18	4 40.80	+30 7.3	2.498	3.246	13.3	21.0
10 28	4 35.09	+25 54.4	1.975	2.836	12.0	19.3	10 28	4 35.65	+30 42.7	2.418	3.260	10.8	20.9
11 7	4 28.13	+26 1.2	1.905	2.834	8.5	19.0	11 7	4 28.23	+31 10.3	2.361	3.275	7.9	20.7
11 17	4 19.15	+25 59.7	1.861	2.832	4.6	18.8	11 17	4 19.11	+31 27.8	2.330	3.289	5.0	20.5
11 27	4 9.08	+25 49.6	1.845	2.829	1.7	18.6	11 27	4 9.14	+31 34.0	2.328	3.303	3.1	20.4
12 7	3 59.10	+25 32.6	1.859	2.827	4.5	18.8	12 7	3 59.32	+31 29.5	2.356	3.317	4.5	20.6
12 17	3 50.31	+25 11.8	1.901	2.824	8.4	19.0	12 17	3 50.60	+31 16.8	2.414	3.330	7.3	20.8
12 27	3 43.65	+24 51.2	1.969	2.821	11.9	19.2	12 27	3 43.76	+30 59.5	2.499	3.343	10.0	21.0
194753	2001 <i>YU</i> ₄₃		11 26.5 277°30	0°7/26.7	18		336589	2009 <i>SP</i> ₃₅₆		11 26.5 198°52	2°0/25.7	18	
10 18	4 39.54	+23 10.3	1.701	2.492	16.9	20.6	10 18	4 41.50	+16 52.9	1.941	2.723	15.4	22.1
10 28	4 35.84	+23 13.3	1.604	2.477	13.6	20.4	10 28	4 36.66	+16 33.1	1.850	2.720	12.3	21.8
11 7	4 29.07	+23 9.6	1.527	2.463	9.6	20.1	11 7	4 29.20	+16 10.6	1.782	2.717	8.5	21.6
11 17	4 19.79	+22 58.4	1.473	2.449	4.9	19.8	11 17	4 19.70	+15 46.7	1.739	2.713	4.5	21.4
11 27	4 9.05	+22 40.0	1.448	2.434	0.7	19.5	11 27	4 9.11	+15 23.9	1.724	2.708	2.1	21.2
12 7	3 58.25	+22 16.8	1.450	2.419	5.3	19.8	12 7	3 58.61	+15 5.0	1.740	2.703	5.5	21.4
12 17	3 48.80	+21 52.9	1.479	2.405	10.1	20.0	12 17	3 49.35	+14 52.7	1.784	2.697	9.6	21.6
12 27	3 41.85	+21 32.8	1.532	2.390	14.4	20.2	12 27	3 42.24	+14 49.5	1.853	2.690	13.3	21.9
145215	2005 <i>JM</i> ₄₆		11 26.5 88°05	1°5/25.9	18		263065	2007 <i>JX</i> ₁₈		11 26.5 183°13	1°7/25.7	17	
10 18	4 42.41	+19 52.0	1.495	2.294	18.5	21.4	10 18	4 35.90	+16 14.0	2.592	3.369	12.1	21.0
10 28	4 37.80	+19 20.6	1.433	2.312	14.6	21.2	10 28	4 31.52	+15 59.0	2.502	3.369	9.6	20.9
11 7	4 30.07	+18 43.1	1.390	2.330	10.0	21.0	11 7	4 25.26	+15 42.6	2.435	3.369	6.6	20.7
11 17	4 20.06	+18 1.3	1.371	2.347	5.0	20.8	11 17	4 17.61	+15 25.9	2.395	3.369	3.5	20.5
11 27	4 9.05	+17 18.6	1.379	2.365	1.6	20.6	11 27	4 9.24	+15 10.7	2.385	3.368	1.7	20.3
12 7	3 58.54	+16 39.8	1.416	2.382	6.0	20.9	12 7	3 53.54	+14 58.7	2.406	3.367	4.3	20.5
12 17	3 49.80	+16 9.2	1.479	2.399	10.6	21.2	12 17	3 47.65	+14 51.9	2.456	3.366	7.4	20.7
12 27	3 43.76	+15 50.2	1.565	2.416	14.6	21.5	12 27	3 47.65	+14 51.6	2.532	3.365	10.3	20.9
129987	1999 <i>UL</i> ₆₂		11 26.5 264°92	1°1/26.5	17		20889	2000 <i>WB</i> ₁₅		11 26.5 66°39	2°6/27.5	18	
10 18	4 54.14	+11 45.1	1.145	1.945	23.0	19.4	10 18	4 46.40	+28 22.6	1.263	2.056	21.5	18.5
10 28	4 49.17	+13 10.6	1.059	1.937	18.7	19.1	10 28	4 41.59	+28 23.3	1.212	2.084	17.2	18.3
11 7	4 39.52	+14 53.2	0.990	1.928	13.3	18.8	11 7	4 32.95	+28 9.8	1.180	2.112	12.2	18.1
11 17	4 25.55	+16 50.7	0.944	1.920	6.9	18.4	11 17	4 21.53	+27 40.3	1.169	2.140	6.7	17.9
11 27	4 8.72	+18 56.4	0.925	1.911	1.2	18.0	11 27	4 9.04	+26 55.9	1.184	2.168	2.7	17.7
12 7	3 51.36	+21 1.4	0.934	1.903	7.6	18.4	12 7	3 57.38	+26 2.1	1.226	2.196	6.0	18.0
12 17	3 36.03	+22 58.6	0.969	1.894	14.2	18.7	12 17	3 48.10	+25 6.6	1.294	2.223	10.9	18.4
12 27	3 24.75	+24 46.1	1.027	1.885	19.9	19.0	12 27	3 42.17	+24 17.1	1.385	2.251	15.2	18.7
22861	1999 <i>RY</i> ₁₄₉		11 26.5 49°14	5°6/28.5	18		265186	2003 <i>YT</i> ₁₁₃		11 26.5 301°02	2°2/26.0	18	
10 18	4 44.33	+32 34.8	1.178	1.973	22.7	18.8	10 18	4 39.59	+15 43.8	1.395	2.206	19.0	20.4
10 28	4 40.64	+33 10.6	1.127	1.995	18.6	18.6	10 28	4 36.56	+15 49.9	1.299	2.185	15.3	20.1
11 7	4 32.71	+33 29.0	1.092	2.016	13.8	18.4	11 7	4 30.04	+15 56.8	1.223	2.165	10.8	19.8
11 17	4 21.55	+33 24.9	1.077	2.039	8.8	18.2	11 17	4 20.50	+16 5.7	1.168	2.145	5.7	19.5
11 27	4 8.98	+32 56.4	1.086	2.062	5.6	18.1	11 27	4 9.07	+16 18.0	1.140	2.124	2.3	19.2
12 7	3 57.17	+32 7.8	1.121	2.085	7.5	18.3	12 7	3 57.37	+16 35.1	1.137	2.105	6.9	19.4
12 17	3 47.91	+31 7.9	1.179	2.109	11.7	18.6	12 17	3 47.11	+16 58.9	1.160	2.085	12.4	19.7
12 27	3 42.33	+30 7.1	1.260	2.133	15.9	18.9	12 27	3 39.75	+17 31.0	1.205	2.066	17.3	19.9
139912	2001 <i>RW</i> ₁₀₈		11 26.5 100°90	1°6/25.8	18		219118	1998 <i>SB</i> ₁₁₂		11 26.5 27°62	4°0/27.9	17	
10 18	4 37.72	+17 59.0	1.984	2.772	14.9	20.6	10 18	4 39.53	+30 8.5	1.951	2.718	15.9	19.5
10 28	4 33.51	+17 39.5	1.904	2.778	11.8	20.4	10 28	4 35.44	+30 55.4	1.871	2.724	12.9	19.3
11 7	4 26.89	+17 16.7	1.846	2.784	8.1	20.2	11 7	4 28.54	+31 33.7	1.812	2.731	9.6	19.1
11 17	4 18.47	+16 52.1	1.814	2.789	4.1	20.0	11 17	4 19.43	+32 0.0	1.777	2.738	6.1	18.9
11 27	4 9.15	+16 28.0	1.810	2.795	1.7	19.8	11 27	4 9.15	+32 12.2	1.770	2.745	4.0	18.8
12 7	4 0.03	+16 7.1	1.836	2.801	5.1	20.1	12 7	3 58.99	+32 10.6	1.792	2.753	5.6	18.9
12 17	3 52.12	+15 52.1	1.889	2.806	8.9	20.3	12 17	3 50.19	+31 58.2	1.841	2.761	8.8	19.1
12 27	3 46.22	+15 45.3	1.968	2.811	12.4	20.6	12 27	3 43.72	+31 39.9	1.915	2.770	12.1	19.4
361701	2007 <i>VZ</i> ₁₇₁		11 26.5 317°50	1°1/26.9	17		47132						

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
86700	2000 <i>FD</i> ₅₈		11 26.5 309°20	0°4/26.4	18		317246	2002 <i>CS</i> ₂₇₂		11 26.5 211°64	2°8/27.6	17	
10 18	4 39.84	+20 7.1	1.492	2.294	18.3	20.0	10 18	4 40.34	+28 56.2	2.467	3.219	13.3	20.8
10 28	4 36.33	+20 12.9	1.407	2.288	14.7	19.8	10 28	4 35.50	+29 28.9	2.369	3.215	10.8	20.6
11 7	4 29.55	+20 14.7	1.342	2.283	10.2	19.5	11 7	4 28.31	+29 54.8	2.293	3.211	7.9	20.4
11 17	4 20.08	+20 12.4	1.300	2.277	5.1	19.2	11 17	4 19.27	+30 11.6	2.244	3.206	4.8	20.2
11 27	4 9.12	+20 6.7	1.285	2.271	0.5	18.8	11 27	4 9.20	+30 18.0	2.223	3.201	2.8	20.1
12 7	3 58.21	+19 59.7	1.297	2.266	5.8	19.2	12 7	3 59.13	+30 14.3	2.233	3.196	4.5	20.2
12 17	3 48.86	+19 54.8	1.334	2.261	10.9	19.5	12 17	3 50.06	+30 2.8	2.273	3.191	7.5	20.3
12 27	3 42.27	+19 55.6	1.395	2.256	15.4	19.7	12 27	3 42.86	+29 47.1	2.339	3.185	10.5	20.5
378002	<i>Akialoa</i>		11 26.5 278°30	4°4/27.7	18		324198	2006 <i>AL</i> ₇₃		11 26.5 245°07	2°1/25.5	17	
10 18	4 43.50	+29 16.9	1.487	2.270	19.3	21.5	10 18	4 35.46	+16 7.6	2.309	3.094	13.2	21.7
10 28	4 39.68	+30 4.4	1.402	2.265	15.8	21.3	10 28	4 31.46	+15 43.3	2.218	3.090	10.5	21.5
11 7	4 32.16	+30 42.9	1.335	2.261	11.7	21.0	11 7	4 25.39	+15 16.9	2.150	3.086	7.3	21.3
11 17	4 21.50	+31 7.5	1.292	2.256	7.3	20.8	11 17	4 17.74	+14 50.2	2.109	3.082	3.9	21.1
11 27	4 9.05	+31 14.4	1.274	2.252	4.4	20.6	11 27	4 9.29	+14 25.4	2.097	3.079	2.1	21.0
12 7	3 56.59	+31 3.8	1.282	2.247	6.7	20.7	12 7	4 0.92	+14 5.1	2.114	3.075	4.9	21.2
12 17	3 45.91	+30 40.2	1.317	2.243	11.2	20.9	12 17	3 53.51	+13 51.7	2.160	3.071	8.3	21.4
12 27	3 38.40	+30 10.8	1.375	2.238	15.4	21.2	12 27	3 47.77	+13 46.9	2.232	3.067	11.4	21.6
327586	2006 <i>DE</i> ₁₅₇		11 26.5 146°88	4°0/24.4	18		402732	2006 <i>WY</i> ₁₅₄		11 26.5 323°51	0°2/26.6	17	
10 18	4 34.63	+ 9 10.5	2.578	3.357	12.1	21.2	10 18	4 38.43	+21 32.8	1.950	2.735	15.3	21.7
10 28	4 30.42	+ 8 32.3	2.497	3.362	9.7	21.1	10 28	4 34.36	+21 41.4	1.862	2.733	12.2	21.5
11 7	4 24.45	+ 7 56.0	2.440	3.366	7.1	20.9	11 7	4 27.70	+21 45.7	1.796	2.732	8.5	21.2
11 17	4 17.19	+ 7 24.5	2.410	3.370	4.7	20.8	11 17	4 19.01	+21 45.3	1.755	2.730	4.3	21.0
11 27	4 9.30	+ 7 0.7	2.409	3.374	4.1	20.7	11 27	4 9.23	+21 40.6	1.742	2.728	0.3	20.7
12 7	4 1.54	+ 6 46.8	2.437	3.378	5.8	20.8	12 7	3 59.54	+21 33.3	1.758	2.727	4.6	21.0
12 17	3 54.63	+ 6 44.2	2.494	3.381	8.4	21.0	12 17	3 51.05	+21 26.0	1.802	2.726	8.8	21.3
12 27	3 49.17	+ 6 53.3	2.576	3.385	10.9	21.2	12 27	3 44.70	+21 21.6	1.871	2.724	12.4	21.5
168215	2006 <i>JF</i> ₄₇		11 26.5 245°81	3°6/27.4	18		232586	2003 <i>TK</i> ₃₀		11 26.5 316°12	4°5/28.2	17	
10 18	4 44.18	+27 32.5	1.837	2.606	16.7	20.0	10 18	4 40.04	+32 42.5	2.237	2.986	14.6	20.3
10 28	4 39.45	+28 31.8	1.747	2.602	13.6	19.8	10 28	4 35.70	+33 32.6	2.142	2.981	12.1	20.2
11 7	4 31.58	+29 25.7	1.677	2.599	9.9	19.5	11 7	4 28.71	+34 14.1	2.069	2.976	9.2	20.0
11 17	4 21.09	+30 10.0	1.632	2.596	6.1	19.3	11 17	4 19.57	+34 43.3	2.020	2.972	6.3	19.8
11 27	4 9.07	+30 41.3	1.615	2.593	3.6	19.2	11 27	4 9.21	+34 57.5	2.000	2.967	4.6	19.7
12 7	3 56.98	+30 58.5	1.626	2.589	5.8	19.3	12 7	3 58.80	+34 56.6	2.008	2.963	5.7	19.7
12 17	3 46.27	+31 3.6	1.666	2.586	9.7	19.5	12 17	3 49.54	+34 43.0	2.044	2.958	8.5	19.9
12 27	3 38.14	+31 1.5	1.731	2.583	13.4	19.7	12 27	3 42.42	+34 21.3	2.107	2.954	11.5	20.1
42047	2000 <i>YV</i> ₁₀₅		11 26.5 109°10	7°2/23.8	18		101343	1998 <i>TL</i> ₁₀		11 26.5 336°38	0°1/26.5	18	
10 18	4 38.72	+ 2 2.9	1.992	2.769	15.3	18.4	10 18	4 34.45	+21 46.6	1.213	2.040	20.4	18.7
10 28	4 34.02	+ 1 10.2	1.929	2.783	12.6	18.2	10 28	4 32.87	+21 41.8	1.131	2.026	16.4	18.4
11 7	4 27.08	+ 0 25.5	1.887	2.797	9.9	18.1	11 7	4 27.63	+21 29.2	1.067	2.014	11.5	18.1
11 17	4 18.52	- 0 6.3	1.871	2.810	7.7	18.0	11 17	4 19.31	+21 8.9	1.024	2.002	5.8	17.7
11 27	4 9.23	- 0 20.9	1.881	2.823	7.4	18.0	11 27	4 9.22	+20 42.6	1.005	1.992	0.4	17.3
12 7	4 0.22	- 0 16.0	1.919	2.835	8.9	18.1	12 7	3 59.13	+20 14.5	1.010	1.982	6.5	17.7
12 17	3 52.40	+ 0 8.2	1.984	2.848	11.4	18.3	12 17	3 50.81	+19 49.9	1.039	1.974	12.3	18.0
12 27	3 46.50	+ 0 49.8	2.071	2.860	13.9	18.5	12 27	3 45.63	+19 34.2	1.089	1.967	17.4	18.3
185692	1997 <i>GY</i> ₃₁		11 26.5 95°67	4°7/26.6	18		54547	2000 <i>QO</i> ₇₁		11 26.5 35°77	5°9/30.0	18	
10 18	4 58.63	+21 51.1	1.183	1.969	23.2	19.7	10 18	4 39.25	+40 58.3	2.580	3.291	13.8	19.4
10 28	4 52.70	+24 6.7	1.112	1.979	18.8	19.5	10 28	4 34.80	+41 31.1	2.490	3.293	11.7	19.3
11 7	4 41.86	+26 28.1	1.060	1.990	13.6	19.2	11 7	4 27.88	+41 50.5	2.421	3.295	9.5	19.1
11 17	4 26.65	+28 44.7	1.032	2.000	7.9	18.9	11 17	4 19.05	+41 52.9	2.375	3.297	7.3	19.0
11 27	4 8.77	+30 43.6	1.031	2.011	4.7	18.8	11 27	4 9.25	+41 36.5	2.356	3.299	6.0	18.9
12 7	3 50.80	+32 16.0	1.059	2.021	8.3	19.0	12 7	3 59.58	+41 1.9	2.366	3.301	6.4	19.0
12 17	3 35.34	+33 21.2	1.113	2.031	13.5	19.4	12 17	3 51.11	+40 12.7	2.403	3.303	8.1	19.1
12 27	3 24.28	+34 6.2	1.189	2.040	18.2	19.7	12 27	3 44.69	+39 14.4	2.467	3.305	10.3	19.2
451758	2013 <i>EW</i> ₁₁₃		11 26.5 194°26	2°2/27.5	18		435503	2008 <i>GK</i> ₁₂₂		11 26.5 192°74	0°9/26.2	18	
10 18	4 40.43	+27 46.6	2.496	3.250	13.1	22.0	10 18	4 42.08	+19 46.1	1.837	2.621	16.1	22.8
10 28	4 35.43	+28 6.0	2.399	3.248	10.6	21.8	10 28	4 37.34	+19 33.5	1.749	2.620	12.8	22.6
11 7	4 28.18	+28 18.5	2.324	3.245	7.6	21.6	11 7	4 29.81	+19 16.2	1.682	2.618	8.9	22.3
11 17	4 19.16	+28 22.4	2.276	3.242	4.4	21.4	11 17	4 20.08	+18 54.8	1.640	2.615	4.5	22.1
11 27	4 9.19	+28 17.0	2.258	3.239	2.2	21.3	11 27	4 9.19	+18 31.0	1.626	2.613	1.0	21.8
12 7	3 59.27	+28 3.5	2.270	3.235	4.1	21.4	12 7	3 58.43	+18 7.7	1.642	2.609	5.2	22.1
12 17	3 50.36	+27 44.2	2.312	3.231	7.4	21.6	12 17	3 49.00	+17 48.3	1.686	2.605	9.6	22.3
12 27	3 43.27	+27 22.8	2.381	3.226	10.4	21.8	12 27	3 41.90	+17 36.2	1.755	2.600	13.5	22.6
384352	2009 <i>UX</i> ₁₆		11 26.5 11°61	2°2/25.8	18		444573	2006 <i>TB</i> ₇₀		11 26.5 349°67	3°0/24.8	18	
10 18	4 32.79	+18 55.8	1.020	1.865	22.1	20.2	10 18	4 35.58	+18 52.2	1.748	2.549	16.1	20.1
10 28	4 31.66	+18 27.7	0.962	1.868	17.5	19.9	10 28	4 32.19	+17 31.4	1.665	2.546	12.8	19.9
11 7	4 26.68	+17 53.0	0.921	1.873	12.1	19.6	11 7	4 26.19	+16 1.5	1.604	2.544	8.9	19.7
11 17	4 18.69	+17 14.7	0.901	1.880	6.1	19.3	11 17	4 18.22	+14 26.8	1.568	2.542	4.8	19.4
11 27	4 9.22	+16 37.8	0.903	1.888	2.4	19.1	11 27	4 9.30	+12 53.7	1.560	2.541	3.2	19.3
12 7	4 0.17	+16 8.1	0.928	1.898	7.4	19.5	12 7	4 0.62	+11 29.1	1.581	2.540	6.5	19.5
12 17	3 53.21	+15 50.5	0.976	1.910	13.1	19.8	12 17	3 53.26	+10 19.2	1.630	2.539	10.6	19.8
12 27	3 49.50	+15 48.0	1.044	1.923	17.9	20.1	12 27	3 48.08	+ 9 28.0	1.702	2.538	14.3	20.0
329078	2011 <i>BA</i>												

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
511774	2015 <i>DR</i> ₂₂₈	11 26.5 129°00		0°6/26.3 18			239139	2006 <i>JR</i> ₃₄	11 26.5 105°01		0°9/26.9 18		
10 18	4 41.80	+21 2.1	1.481	2.280	18.6	22.1	10 18	4 43.09	+23 19.1	2.031	2.801	15.2	21.4
10 28	4 37.73	+20 49.1	1.405	2.284	14.9	21.9	10 28	4 37.72	+23 34.6	1.959	2.820	12.1	21.2
11 7	4 30.38	+20 29.5	1.348	2.288	10.3	21.6	11 7	4 29.80	+23 44.5	1.909	2.839	8.4	21.1
11 17	4 20.44	+20 3.8	1.315	2.291	5.1	21.3	11 17	4 19.99	+23 48.0	1.885	2.858	4.3	20.8
11 27	4 9.19	+19 34.2	1.308	2.295	0.7	21.0	11 27	4 9.29	+23 45.1	1.890	2.876	0.9	20.6
12 7	3 58.20	+19 4.3	1.329	2.298	5.8	21.4	12 7	3 58.88	+23 37.1	1.925	2.893	4.4	20.9
12 17	3 48.91	+18 38.7	1.376	2.301	10.8	21.7	12 17	3 49.82	+23 27.0	1.989	2.910	8.2	21.2
12 27	3 42.42	+18 21.8	1.447	2.304	15.2	22.0	12 27	3 42.94	+23 18.1	2.079	2.927	11.6	21.4
455729	2005 <i>GZ</i> ₁₃₄	11 26.5 265°88		0°1/26.5 16			490009	2008 <i>SR</i> ₂₃₃	11 26.5 63°42		4°0/28.1 17		
10 18	4 35.33	+21 53.7	2.733	3.503	11.7	22.9	10 18	4 40.09	+31 54.1	2.322	3.071	14.1	21.8
10 28	4 31.21	+21 41.9	2.621	3.484	9.3	22.7	10 28	4 35.48	+32 37.8	2.237	3.078	11.6	21.6
11 7	4 25.19	+21 25.3	2.532	3.465	6.5	22.5	11 7	4 28.39	+33 12.9	2.174	3.084	8.7	21.4
11 17	4 17.69	+21 4.1	2.471	3.446	3.3	22.3	11 17	4 19.37	+33 36.2	2.136	3.091	5.8	21.3
11 27	4 9.35	+20 39.5	2.439	3.426	0.2	22.0	11 27	4 9.32	+33 45.9	2.127	3.097	4.0	21.2
12 7	4 0.99	+20 13.5	2.438	3.406	3.7	22.2	12 7	3 59.36	+33 42.3	2.147	3.104	5.2	21.2
12 17	3 53.39	+19 48.4	2.467	3.386	7.0	22.4	12 17	3 50.54	+33 27.9	2.195	3.111	7.9	21.4
12 27	3 47.26	+19 27.0	2.523	3.365	10.0	22.6	12 27	3 43.76	+33 7.2	2.270	3.117	10.8	21.6
23678	1997 <i>GW</i> ₃₂	11 26.5 98°53		1°0/26.9 18 R			307724	2003 <i>UZ</i> ₁₇₀	11 26.5 68°51		3°8/24.6 18		
10 18	4 40.51	+24 40.1	1.882	2.661	16.0	19.4	10 18	4 38.76	+16 25.4	1.653	2.453	17.0	20.3
10 28	4 35.97	+24 39.3	1.806	2.672	12.7	19.2	10 28	4 34.53	+15 3.9	1.592	2.471	13.4	20.1
11 7	4 28.75	+24 30.9	1.751	2.683	8.9	19.0	11 7	4 27.66	+13 37.4	1.552	2.490	9.3	20.0
11 17	4 19.50	+24 14.2	1.721	2.694	4.6	18.7	11 17	4 18.90	+12 11.1	1.537	2.509	5.3	19.8
11 27	4 9.28	+23 50.1	1.719	2.705	1.0	18.5	11 27	4 9.36	+10 51.3	1.550	2.527	4.0	19.7
12 7	3 59.33	+23 21.2	1.746	2.716	4.6	18.8	12 7	4 0.29	+9 44.2	1.592	2.546	7.0	20.0
12 17	3 50.78	+22 51.5	1.802	2.726	8.7	19.1	12 17	3 52.73	+8 54.2	1.661	2.565	10.8	20.2
12 27	3 44.51	+22 25.3	1.883	2.736	12.3	19.3	12 27	3 47.46	+8 23.5	1.753	2.583	14.2	20.5
523645	2010 <i>VK</i> ₂₀₁	11 26.5 171°76		0°6/20.9 17			228295	2000 <i>DV</i> ₆₀	11 26.5 239°62		1°1/26.1 18		
10 18	4 12.40	-8 28.8	47.310	48.033	0.8	21.9	10 18	4 40.75	+19 31.3	1.779	2.568	16.4	21.5
10 28	4 11.83	-8 33.7	47.238	48.033	0.7	21.9	10 28	4 36.53	+19 17.4	1.684	2.558	13.1	21.2
11 7	4 11.18	-8 37.8	47.191	48.034	0.6	21.9	11 7	4 29.43	+18 58.6	1.610	2.548	9.1	21.0
11 17	4 10.48	-8 41.0	47.170	48.034	0.6	21.9	11 17	4 20.01	+18 35.7	1.561	2.537	4.6	20.7
11 27	4 9.76	-8 43.2	47.176	48.034	0.6	21.9	11 27	4 9.30	+18 10.7	1.540	2.526	1.2	20.4
12 7	4 9.03	-8 44.3	47.208	48.035	0.6	21.9	12 7	3 58.59	+17 46.4	1.547	2.514	5.5	20.7
12 17	4 8.34	-8 44.3	47.266	48.035	0.7	21.9	12 17	3 49.18	+17 26.6	1.582	2.502	10.1	20.9
12 27	4 7.70	-8 43.1	47.349	48.035	0.8	21.9	12 27	3 42.12	+17 14.8	1.642	2.490	14.1	21.2
220807	2004 <i>TM</i> ₂₄₃	11 26.5 24°53		1°0/26.9 18			225262	2009 <i>RX</i> ₂₆	11 26.5 109°77		1°5/25.9 18		
10 18	4 36.35	+24 2.1	1.767	2.559	16.3	19.9	10 18	4 43.97	+18 48.5	1.743	2.527	16.9	20.9
10 28	4 32.91	+24 6.2	1.693	2.567	13.0	19.7	10 28	4 38.60	+18 24.0	1.677	2.548	13.3	20.7
11 7	4 26.76	+24 3.3	1.639	2.576	9.1	19.4	11 7	4 30.47	+17 55.1	1.632	2.568	9.1	20.5
11 17	4 18.55	+23 52.8	1.610	2.585	4.7	19.2	11 17	4 20.32	+17 23.4	1.613	2.588	4.6	20.3
11 27	4 9.33	+23 35.5	1.608	2.595	1.0	19.0	11 27	4 9.30	+16 51.5	1.622	2.607	1.6	20.1
12 7	4 0.35	+23 14.0	1.635	2.605	4.7	19.3	12 7	3 58.71	+16 22.9	1.661	2.626	5.4	20.4
12 17	3 52.75	+22 51.7	1.688	2.616	9.0	19.5	12 17	3 49.68	+16 1.0	1.727	2.644	9.6	20.7
12 27	3 47.43	+22 32.8	1.766	2.627	12.7	19.8	12 27	3 43.07	+15 48.5	1.819	2.661	13.3	21.0
484657	2008 <i>TL</i> ₁₄₀	11 26.5 49°96		8°9/30.7 17			166311	2002 <i>JX</i> ₃₆	11 26.5 118°90		1°2/26.0 18		
10 18	4 45.66	+46 9.3	2.310	2.995	15.8	20.7	10 18	4 42.10	+18 0.0	2.286	3.056	13.8	20.7
10 28	4 40.75	+47 30.7	2.230	3.002	13.9	20.5	10 28	4 36.48	+17 50.6	2.215	3.077	10.8	20.5
11 7	4 32.54	+48 36.9	2.170	3.009	11.9	20.4	11 7	4 28.71	+17 38.7	2.166	3.098	7.4	20.4
11 17	4 21.62	+49 21.5	2.132	3.016	10.0	20.3	11 17	4 19.38	+17 25.1	2.144	3.119	3.7	20.2
11 27	4 9.17	+49 39.5	2.120	3.023	9.0	20.2	11 27	4 9.36	+17 11.2	2.153	3.138	1.2	20.0
12 7	3 56.75	+49 30.1	2.133	3.031	9.1	20.3	12 7	3 59.62	+16 59.1	2.193	3.157	4.4	20.3
12 17	3 45.89	+48 56.5	2.172	3.039	10.4	20.4	12 17	3 51.04	+16 50.7	2.262	3.175	7.9	20.5
12 27	3 37.80	+48 5.8	2.235	3.046	12.2	20.5	12 27	3 44.34	+16 48.1	2.358	3.192	10.9	20.8
411085	2009 <i>VQ</i> ₉₉	11 26.5 325°60		0°3/26.6 17			19833	Wickwar	11 26.5 257°20		1°3/25.9 18		
10 18	4 37.46	+20 47.4	2.140	2.921	14.2	20.6	10 18	4 36.65	+18 38.6	2.134	2.920	14.1	19.7
10 28	4 33.43	+21 8.3	2.046	2.915	11.3	20.4	10 28	4 32.66	+18 21.7	2.044	2.917	11.2	19.5
11 7	4 27.02	+21 26.6	1.974	2.909	7.9	20.2	11 7	4 26.38	+18 1.2	1.977	2.914	7.7	19.3
11 17	4 18.70	+21 41.7	1.928	2.903	4.0	19.9	11 17	4 18.34	+17 38.3	1.935	2.911	3.9	19.0
11 27	4 9.34	+21 53.5	1.911	2.897	0.3	19.6	11 27	4 9.40	+17 14.9	1.923	2.908	1.3	18.8
12 7	3 59.97	+22 2.6	1.923	2.892	4.3	19.9	12 7	4 0.56	+16 53.6	1.939	2.905	4.7	19.1
12 17	3 51.64	+22 10.7	1.964	2.887	8.2	20.1	12 17	3 52.77	+16 37.1	1.984	2.902	8.5	19.3
12 27	3 45.23	+22 20.1	2.031	2.882	11.7	20.3	12 27	3 46.85	+16 27.8	2.055	2.899	11.9	19.5
485930	2012 <i>HG</i> ₃	11 26.5 193°83		5°3/23.7 17			87030	2000 <i>JO</i> ₈₂	11 26.5 50°97		0°9/26.8 18		
10 18	4 34.44	+4 40.1	2.625	3.399	12.1	22.0	10 18	4 43.02	+23 7.1	1.293	2.098	20.5	18.9
10 28	4 30.29	+3 55.2	2.542	3.397	9.9	21.8	10 28	4 38.84	+23 18.7	1.241	2.122	16.2	18.7
11 7	4 24.41	+3 14.5	2.482	3.396	7.6	21.7	11 7	4 31.11	+23 22.6	1.208	2.147	11.2	18.5
11 17	4 17.24	+2 41.5	2.448	3.394	5.7	21.6	11 17	4 20.76	+23 17.9	1.197	2.173	5.7	18.2
11 27	4 9.42	+2 19.5	2.443	3.392	5.4	21.5	11 27	4 9.29	+23 5.3	1.212	2.199	0.9	18.0
12 7	4 1.70	+2 10.8	2.467	3.390	6.8	21.6	12 7	3 58.45	+22 47.8	1.254	2.225	5.7	18.4
12 17	3 54.78	+2 16.4	2.519	3.388	9.1	21.8	12 17	3 49.71	+22 30.0	1.321	2.251	10.7	18.7
12 27	3 49.28	+2 35.9	2.596	3.385	11.4	21.9	12 27	3 44.05	+22 16.8	1.411	2.277	14.9	19.1
297997	2002 <i>NK</i> ₆₄	11 26.5 139°60		5°0/24.9 18			463999	2014 <i>WC</i> ₆₇	11 26.5 288°44		3°1/24.6 18		
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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
446457	2014 <i>JW</i> ₆₇		11 26.5 213°53	2°3/25.5	18		126772	2002 <i>DE</i> ₁₆		11 26.5 338°64	1°0/26.1	18	
10 18	4 38.59	+16 15.6	2.083	2.867	14.4	22.5	10 18	4 36.11	+19 1.2	1.886	2.681	15.4	20.2
10 28	4 34.22	+15 49.3	1.992	2.863	11.5	22.3	10 28	4 32.61	+18 52.4	1.799	2.676	12.2	19.9
11 7	4 27.48	+15 20.4	1.922	2.858	8.0	22.1	11 7	4 26.57	+18 40.0	1.732	2.671	8.5	19.7
11 17	4 18.91	+14 50.8	1.879	2.852	4.3	21.8	11 17	4 18.54	+18 24.8	1.691	2.667	4.3	19.5
11 27	4 9.38	+14 23.1	1.864	2.847	2.3	21.7	11 27	4 9.45	+18 8.7	1.678	2.663	1.1	19.2
12 7	3 59.93	+14 0.2	1.879	2.840	5.4	21.9	12 7	4 0.45	+17 54.1	1.692	2.660	5.0	19.5
12 17	3 51.57	+13 44.8	1.923	2.834	9.1	22.1	12 17	3 52.62	+17 43.7	1.735	2.657	9.2	19.7
12 27	3 45.13	+13 39.2	1.992	2.827	12.5	22.3	12 27	3 46.88	+17 40.2	1.802	2.654	12.9	20.0
301194	2008 <i>YH</i> ₁₆₇		11 26.5 277°02	0°1/26.6	18		301801	2011 <i>BT</i> ₇₉		11 26.5 192°59	1°9/25.7	18	
10 18	4 38.38	+23 41.6	1.819	2.606	16.1	21.0	10 18	4 41.32	+18 11.4	1.975	2.756	15.2	21.6
10 28	4 34.72	+23 19.6	1.717	2.589	13.0	20.7	10 28	4 36.51	+17 39.0	1.885	2.754	12.1	21.4
11 7	4 28.22	+22 48.4	1.637	2.573	9.1	20.4	11 7	4 29.13	+17 2.1	1.817	2.752	8.4	21.2
11 17	4 19.43	+22 8.2	1.581	2.556	4.6	20.1	11 17	4 19.78	+16 22.2	1.775	2.749	4.4	20.9
11 27	4 9.35	+21 20.7	1.553	2.539	0.2	19.7	11 27	4 9.40	+15 42.2	1.762	2.746	2.0	20.8
12 7	3 59.26	+20 29.9	1.553	2.522	5.1	20.1	12 7	3 59.16	+15 5.8	1.779	2.742	5.4	21.0
12 17	3 50.42	+19 40.9	1.581	2.505	9.7	20.3	12 17	3 50.15	+14 36.6	1.824	2.737	9.4	21.2
12 27	3 43.89	+18 59.0	1.634	2.488	13.9	20.5	12 27	3 43.26	+14 17.6	1.895	2.731	13.1	21.4
254914	2005 <i>SG</i> ₁₀₀		11 26.5 333°37	1°2/25.9	18		53754	2000 <i>ED</i> ₆₉		11 26.5 17°33	5°1/27.9	18	
10 18	4 33.84	+21 2.2	1.698	2.502	16.4	20.0	10 18	4 41.21	+29 49.0	1.302	2.099	20.8	18.6
10 28	4 31.16	+20 24.1	1.607	2.490	13.1	19.8	10 28	4 38.25	+30 43.8	1.231	2.102	17.1	18.4
11 7	4 25.75	+19 37.6	1.537	2.479	9.1	19.5	11 7	4 31.36	+31 27.8	1.178	2.106	12.7	18.1
11 17	4 18.17	+18 44.6	1.491	2.468	4.6	19.2	11 17	4 21.23	+31 55.6	1.146	2.110	8.0	17.9
11 27	4 9.43	+17 48.6	1.472	2.458	1.3	19.0	11 27	4 9.32	+32 3.4	1.138	2.115	5.1	17.7
12 7	4 0.77	+16 54.6	1.481	2.448	5.6	19.2	12 7	3 57.62	+31 51.7	1.156	2.121	7.2	17.9
12 17	3 53.39	+16 7.8	1.516	2.440	10.1	19.5	12 17	3 47.96	+31 25.8	1.199	2.128	11.6	18.1
12 27	3 48.28	+15 32.6	1.575	2.432	14.2	19.7	12 27	3 41.72	+30 54.0	1.264	2.135	15.9	18.4
409129	2003 <i>UJ</i> ₃₂		11 26.5 64°46	1°0/26.0	18		75167	1999 <i>VF</i> ₁₂₈		11 26.5 267°56	0°6/26.3	18	
10 18	4 35.88	+19 46.7	2.190	2.974	13.8	21.3	10 18	4 40.08	+22 8.3	1.622	2.416	17.5	19.9
10 28	4 31.84	+19 22.5	2.114	2.986	10.9	21.1	10 28	4 36.44	+21 42.9	1.523	2.400	14.1	19.6
11 7	4 25.67	+18 53.9	2.060	2.997	7.5	20.9	11 7	4 29.65	+21 8.6	1.444	2.383	9.8	19.3
11 17	4 17.92	+18 22.2	2.033	3.008	3.7	20.7	11 17	4 20.26	+20 25.9	1.390	2.366	5.0	19.0
11 27	4 9.45	+17 49.6	2.034	3.020	1.1	20.5	11 27	4 9.37	+19 37.0	1.362	2.349	0.7	18.6
12 7	4 1.20	+17 19.1	2.065	3.031	4.4	20.8	12 7	3 58.44	+18 46.5	1.362	2.331	5.8	19.0
12 17	3 54.05	+16 53.4	2.125	3.043	8.0	21.0	12 17	3 48.91	+18 0.2	1.389	2.313	10.9	19.2
12 27	3 48.69	+16 35.3	2.211	3.055	11.1	21.2	12 27	3 41.97	+17 23.5	1.440	2.295	15.4	19.4
163339	2002 <i>LU</i> ₂₄		11 26.5 120°83	3°3/24.9	18		178806	2001 <i>FM</i> ₅₉		11 26.5 208°10	3°1/25.3	18	
10 18	4 39.62	+13 34.7	2.128	2.909	14.3	20.2	10 18	4 41.96	+14 5.9	1.991	2.771	15.2	21.2
10 28	4 34.66	+12 51.6	2.057	2.926	11.3	20.0	10 28	4 37.02	+13 37.7	1.897	2.765	12.1	21.0
11 7	4 27.53	+12 7.8	2.009	2.942	7.9	19.8	11 7	4 29.52	+13 8.2	1.825	2.758	8.6	20.8
11 17	4 18.82	+11 26.1	1.988	2.957	4.6	19.6	11 17	4 20.00	+12 39.8	1.780	2.750	4.9	20.6
11 27	4 9.41	+10 49.8	1.996	2.972	3.4	19.6	11 27	4 9.40	+12 15.5	1.763	2.742	3.2	20.4
12 7	4 0.29	+10 22.1	2.034	2.986	5.8	19.8	12 7	3 58.85	+11 58.2	1.776	2.733	6.1	20.6
12 17	3 52.34	+10 5.4	2.100	3.000	9.1	20.0	12 17	3 49.45	+11 50.5	1.817	2.722	9.9	20.8
12 27	3 46.26	+10 0.7	2.191	3.013	12.1	20.2	12 27	3 42.13	+11 54.1	1.883	2.711	13.5	21.0
141745	2002 <i>LA</i> ₄₀		11 26.5 98°15	8°9/25.9	18		414627	2009 <i>VM</i> ₂₀		11 26.5 346°05	2°3/27.6	17	
10 18	4 50.36	- 3 6.0	1.607	2.364	19.1	20.1	10 18	4 37.89	+27 59.1	2.236	3.002	14.1	21.8
10 28	4 43.64	- 3 9.9	1.549	2.386	16.0	19.9	10 28	4 33.76	+28 16.5	2.146	3.001	11.4	21.6
11 7	4 33.95	- 2 56.9	1.509	2.406	12.7	19.8	11 7	4 27.22	+28 26.2	2.077	3.001	8.2	21.4
11 17	4 22.07	- 2 22.2	1.494	2.427	9.9	19.6	11 17	4 18.83	+28 26.4	2.033	3.000	4.8	21.2
11 27	4 9.27	- 1 23.6	1.506	2.447	8.9	19.6	11 27	4 9.46	+28 16.9	2.018	3.000	2.4	21.1
12 7	3 56.96	- 0 2.6	1.546	2.466	10.3	19.8	12 7	4 0.16	+27 58.8	2.033	2.999	4.4	21.2
12 17	3 46.39	+ 1 36.3	1.613	2.485	13.1	20.0	12 17	3 51.97	+27 35.2	2.076	2.999	7.8	21.4
12 27	3 38.47	+ 3 27.4	1.705	2.503	16.0	20.2	12 27	3 45.74	+27 10.1	2.145	2.999	11.0	21.6
365405	2009 <i>YC</i> ₁₂		11 26.5 96°48	2°6/28.0	17		476719	2008 <i>TP</i> ₁₈₆		11 26.5 48°97	2°2/27.2	16	
10 18	4 37.51	+30 49.2	2.538	3.289	13.0	20.5	10 18	4 42.04	+25 0.0	1.473	2.267	19.0	21.8
10 28	4 33.03	+30 50.9	2.454	3.299	10.5	20.3	10 28	4 38.07	+25 32.2	1.404	2.278	15.2	21.6
11 7	4 26.45	+30 43.1	2.393	3.310	7.7	20.1	11 7	4 30.72	+25 57.2	1.355	2.290	10.8	21.3
11 17	4 18.32	+30 24.5	2.358	3.320	4.7	20.0	11 17	4 20.71	+26 12.4	1.330	2.302	5.9	21.1
11 27	4 9.45	+29 55.4	2.351	3.330	2.6	19.8	11 27	4 9.37	+26 16.6	1.330	2.314	2.2	20.9
12 7	4 0.79	+29 17.8	2.375	3.340	4.1	20.0	12 7	3 58.34	+26 11.2	1.358	2.327	5.6	21.2
12 17	3 53.19	+28 35.3	2.428	3.350	7.0	20.2	12 17	3 49.09	+26 0.0	1.412	2.340	10.3	21.5
12 27	3 47.36	+27 51.9	2.509	3.359	9.8	20.4	12 27	3 42.76	+25 48.2	1.489	2.354	14.4	21.7
80419	1999 <i>XR</i> ₂₀₇		11 26.5 346°32	5°4/28.1	18		40805	1999 <i>TW</i> ₄₁		11 26.5 190°06	0°7/26.2	18	
10 18	4 41.28	+31 20.7	1.368	2.157	20.4	19.3	10 18	4 38.98	+21 3.3	1.830	2.619	16.0	20.3
10 28	4 38.30	+32 8.9	1.288	2.154	16.8	19.0	10 28	4 34.92	+20 42.3	1.745	2.619	12.7	20.1
11 7	4 31.43	+32 45.1	1.227	2.151	12.7	18.8	11 7	4 28.17	+20 15.0	1.681	2.618	8.8	19.8
11 17	4 21.29	+33 3.7	1.187	2.148	8.3	18.5	11 17	4 19.34	+19 42.3	1.642	2.618	4.4	19.6
11 27	4 9.29	+33 1.0	1.171	2.146	5.4	18.3	11 27	4 9.44	+19 6.4	1.631	2.617	0.8	19.3
12 7	3 57.38	+32 37.7	1.181	2.144	7.4	18.5	12 7	3 59.71	+18 30.8	1.649	2.617	5.1	19.6
12 17	3 47.41	+31 59.3	1.215	2.143	11.7	18.7	12 17	3 51.29	+17 59.6	1.695	2.616	9.4	19.9
12 27	3 40.82	+31 14.8	1.272	2.142	16.0	18.9	12 27	3 45.12	+17 36.4	1.765	2.615	13.2	20.1
48098	2001 <i>FL</i> ₅₄		11 26.5 140°68	2°8/27.9	18		437849	1999 <i></i>					

EPHEMERIDES

11 26.5

11 26.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
483200	2015 <i>PF</i> ₂₉₅		11 26.5	56°00	1.7°/26.0	18	378162	2006 <i>WQ</i> ₇		11 26.6	323°66	5°6/22.9	18
10 18	4 39.11	+16 42.0	1.799	2.592	16.1	21.5	10 18	4 32.28	+21 57.9	1.134	1.970	20.9	19.9
10 28	4 34.97	+16 39.7	1.721	2.597	12.7	21.3	10 28	4 31.45	+19 26.9	1.037	1.939	16.9	19.5
11 7	4 28.18	+16 36.1	1.663	2.601	8.8	21.1	11 7	4 26.89	+16 23.4	0.959	1.909	11.9	19.1
11 17	4 19.34	+16 32.3	1.631	2.606	4.5	20.8	11 17	4 19.14	+12 54.3	0.904	1.880	7.0	18.8
11 27	4 9.45	+16 29.8	1.626	2.611	1.8	20.7	11 27	4 9.52	+9 15.5	0.876	1.852	6.3	18.6
12 7	3 59.73	+16 30.5	1.650	2.616	5.4	20.9	12 7	3 59.83	+5 48.7	0.873	1.826	11.4	18.8
12 17	3 51.31	+16 36.2	1.702	2.621	9.5	21.2	12 17	3 51.88	+2 54.4	0.894	1.801	17.3	19.0
12 27	3 45.12	+16 48.8	1.778	2.626	13.2	21.4	12 27	3 47.10	+0 44.8	0.935	1.777	22.7	19.3
385625	2005 <i>NS</i> ₃₀		11 26.5	32°05	2°5/25.9	18	397393	2006 <i>VO</i> ₁₀₅		11 26.6	62°14	1°6/27.0	18
10 18	4 38.51	+17 0.5	1.030	1.866	22.6	20.2	10 18	4 42.08	+23 35.2	1.819	2.598	16.4	20.8
10 28	4 35.88	+16 46.9	0.985	1.885	17.8	20.0	10 28	4 37.41	+24 10.8	1.747	2.613	13.1	20.6
11 7	4 29.39	+16 31.1	0.957	1.905	12.2	19.7	11 7	4 29.91	+24 41.7	1.696	2.627	9.2	20.4
11 17	4 20.02	+16 15.4	0.950	1.927	6.3	19.5	11 17	4 20.24	+25 5.7	1.670	2.642	4.9	20.1
11 27	4 9.43	+16 3.1	0.966	1.950	2.6	19.4	11 27	4 9.48	+25 21.6	1.672	2.657	1.6	19.9
12 7	3 59.52	+15 57.8	1.006	1.974	7.3	19.7	12 7	3 58.96	+25 30.2	1.703	2.672	4.8	20.2
12 17	3 51.87	+16 2.1	1.069	2.000	12.6	20.1	12 17	3 49.87	+25 33.7	1.763	2.687	8.9	20.5
12 27	3 47.51	+16 17.7	1.153	2.026	17.1	20.4	12 27	3 43.18	+25 35.7	1.847	2.702	12.5	20.7
516906	2011 <i>SN</i> ₂₇₈		11 26.5	249°66	1°0/26.9	18	96827	1999 <i>RE</i> ₁₈₆		11 26.6	6°61	7°0/24.4	18
10 18	4 40.18	+23 36.4	1.974	2.752	15.4	21.7	10 18	4 33.64	+8 43.8	1.266	2.094	19.6	18.8
10 28	4 35.92	+23 47.4	1.877	2.743	12.3	21.5	10 28	4 31.54	+7 46.3	1.202	2.094	15.9	18.6
11 7	4 28.95	+23 52.7	1.801	2.734	8.7	21.3	11 7	4 26.27	+6 52.7	1.157	2.095	11.8	18.3
11 17	4 19.81	+23 51.4	1.751	2.724	4.5	21.0	11 17	4 18.53	+6 9.5	1.134	2.098	8.1	18.2
11 27	4 9.45	+23 43.2	1.729	2.715	1.0	20.7	11 27	4 9.57	+5 43.4	1.135	2.102	7.2	18.1
12 7	3 59.08	+23 29.9	1.736	2.705	4.7	21.0	12 7	4 0.87	+5 38.8	1.159	2.108	9.8	18.3
12 17	3 49.89	+23 14.3	1.771	2.695	8.9	21.2	12 17	3 53.80	+5 56.8	1.207	2.114	13.8	18.5
12 27	3 42.88	+23 0.3	1.832	2.685	12.7	21.4	12 27	3 49.40	+6 35.8	1.276	2.122	17.6	18.8
452605	2005 <i>NW</i> ₇₈		11 26.5	99°50	5°4/29.7	18	494322	2016 <i>TO</i> ₃		11 26.6	10°87	0°7/26.3	18
10 18	4 43.68	+38 26.2	2.195	2.920	15.5	21.6	10 18	4 34.49	+21 42.3	1.118	1.951	21.3	20.5
10 28	4 38.43	+38 43.8	2.119	2.937	13.0	21.4	10 28	4 32.90	+21 22.5	1.054	1.953	17.0	20.3
11 7	4 30.43	+38 46.4	2.064	2.954	10.1	21.3	11 7	4 27.57	+20 53.5	1.008	1.957	11.8	20.0
11 17	4 20.39	+38 30.4	2.033	2.971	7.3	21.1	11 17	4 19.29	+20 16.7	0.983	1.962	5.9	19.7
11 27	4 9.44	+37 54.8	2.029	2.987	5.5	21.1	11 27	4 9.54	+19 35.8	0.982	1.968	0.8	19.4
12 7	3 58.86	+37 1.9	2.054	3.003	6.1	21.1	12 7	4 0.14	+18 56.3	1.004	1.976	6.6	19.8
12 17	3 49.82	+35 56.8	2.108	3.019	8.4	21.3	12 17	3 52.75	+18 24.2	1.051	1.985	12.2	20.1
12 27	3 43.15	+34 46.5	2.188	3.035	11.1	21.5	12 27	3 48.53	+18 4.5	1.118	1.996	17.1	20.4
249707	2000 <i>KA</i> ₆₃		11 26.6	124°61	2°9/25.0	18	37885	1998 <i>FG</i> ₅₆		11 26.6	95°39	4°4/24.8	18
10 18	4 38.40	+13 39.5	2.475	3.249	12.7	22.0	10 18	4 40.46	+11 20.8	1.858	2.646	15.8	18.7
10 28	4 33.41	+13 0.6	2.402	3.266	10.0	21.8	10 28	4 35.60	+10 35.7	1.796	2.667	12.6	18.5
11 7	4 26.55	+12 21.0	2.352	3.283	7.0	21.7	11 7	4 28.33	+9 51.9	1.756	2.687	9.0	18.4
11 17	4 18.35	+11 43.1	2.331	3.300	4.1	21.5	11 17	4 19.31	+9 13.1	1.742	2.707	5.6	18.2
11 27	4 9.55	+11 9.7	2.339	3.315	3.0	21.5	11 27	4 9.55	+8 43.2	1.755	2.727	4.5	18.2
12 7	4 0.99	+10 43.5	2.378	3.330	5.1	21.6	12 7	4 0.15	+8 25.1	1.798	2.746	6.8	18.4
12 17	3 53.43	+10 26.3	2.446	3.345	8.0	21.8	12 17	3 52.11	+8 20.7	1.867	2.765	10.2	18.6
12 27	3 47.47	+10 19.5	2.540	3.359	10.7	22.0	12 27	3 46.17	+8 30.2	1.961	2.784	13.3	18.9
116779	2004 <i>EM</i> ₂₉		11 26.6	119°30	4°7/28.9	18	518248	2016 <i>UQ</i> ₉₇		11 26.6	261°56	1°7/25.8	18
10 18	4 44.47	+36 4.7	2.473	3.196	14.0	20.4	10 18	4 38.70	+20 16.1	1.690	2.486	16.8	21.6
10 28	4 38.75	+36 39.1	2.395	3.214	11.6	20.2	10 28	4 35.00	+19 33.0	1.600	2.478	13.4	21.4
11 7	4 30.53	+37 1.9	2.339	3.232	9.0	20.1	11 7	4 28.43	+18 41.7	1.531	2.470	9.3	21.1
11 17	4 20.45	+37 9.8	2.308	3.249	6.3	20.0	11 17	4 19.58	+17 44.3	1.486	2.462	4.7	20.8
11 27	4 9.46	+37 1.3	2.305	3.265	4.8	19.9	11 27	4 9.53	+16 44.6	1.469	2.454	1.8	20.6
12 7	3 58.71	+36 37.3	2.333	3.282	5.5	20.0	12 7	3 59.59	+15 47.9	1.480	2.446	5.9	20.9
12 17	3 49.25	+36 1.3	2.389	3.297	7.8	20.1	12 17	3 51.03	+14 59.7	1.518	2.437	10.5	21.1
12 27	3 41.91	+35 18.7	2.473	3.312	10.3	20.3	12 27	3 44.85	+14 24.3	1.581	2.429	14.6	21.3
108452	2001 <i>KJ</i> ₄₉		11 26.6	61°29	1°3/27.3	18	134780	2000 <i>DL</i> ₇₂		11 26.6	145°96	7°1/29.7	18
10 18	4 40.26	+28 16.5	1.713	2.493	17.3	18.7	10 18	4 45.47	+40 23.5	2.141	2.858	16.1	19.5
10 28	4 35.93	+27 38.4	1.647	2.512	13.8	18.5	10 28	4 40.43	+41 20.1	2.056	2.862	13.7	19.3
11 7	4 28.75	+26 46.9	1.600	2.531	9.7	18.3	11 7	4 32.24	+42 2.7	1.991	2.867	11.1	19.2
11 17	4 19.55	+25 42.6	1.579	2.551	5.1	18.1	11 17	4 21.52	+42 25.8	1.949	2.871	8.6	19.0
11 27	4 9.51	+24 28.6	1.585	2.570	1.3	17.8	11 27	4 9.44	+42 25.6	1.933	2.875	7.2	18.9
12 7	3 59.98	+23 10.7	1.620	2.590	4.8	18.1	12 7	3 57.45	+42 1.9	1.945	2.878	7.6	19.0
12 17	3 52.08	+21 55.5	1.683	2.610	9.1	18.4	12 17	3 47.00	+41 19.0	1.984	2.881	9.7	19.1
12 27	3 46.65	+20 49.3	1.772	2.629	12.8	18.7	12 27	3 39.19	+40 23.9	2.048	2.885	12.2	19.3
215293	2001 <i>RN</i> ₁₂₀		11 26.6	85°00	0°0/26.5	18	303199	2004 <i>GH</i> ₄₃		11 26.6	295°91	1°2/26.9	18
10 18	4 39.52	+21 40.7	1.954	2.737	15.3	21.1	10 18	4 38.49	+24 9.3	1.866	2.650	15.9	20.9
10 28	4 35.07	+21 38.1	1.880	2.749	12.1	20.9	10 28	4 34.79	+24 20.1	1.770	2.639	12.8	20.7
11 7	4 28.11	+21 30.4	1.826	2.761	8.4	20.7	11 7	4 28.31	+24 24.5	1.694	2.628	9.0	20.5
11 17	4 19.26	+21 17.6	1.799	2.774	4.2	20.5	11 17	4 19.56	+24 21.4	1.644	2.617	4.8	20.2
11 27	4 9.52	+21 0.9	1.799	2.786	0.2	20.2	11 27	4 9.53	+24 10.9	1.620	2.606	1.2	19.9
12 7	4 0.03	+20 42.5	1.829	2.798	4.5	20.5	12 7	3 59.47	+23 54.6	1.626	2.596	4.8	20.1
12 17	3 51.83	+20 25.6	1.888	2.810	8.5	20.8	12 17	3 50.65	+23 35.7	1.659	2.585	9.2	20.4
12 27	3 45.75	+20 13.2	1.972	2.822	12.0	21.1	12 27	3 44.09	+23 18.6	1.717	2.575	13.1	20.6
284506	2007 <i>PO</i> ₃₃		11 26.6	62°98	2°3/25.8	18	415592	2014 <i>QK</i> ₃₁₁					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
224060	2005 <i>NM</i> ₃		11 26.6 307°27	3°7/28.0	18		87269	2000 <i>OO</i> ₆₇		11 26.6 0°40	0°7/22.8	06 C	
10 18	4 40.90	+30 37.4	1.492	2.277	19.2	20.3	10 18	4 13.92	+0 24.8	28.248	29.003	1.3	23.9
10 28	4 37.55	+30 48.2	1.407	2.272	15.7	20.1	10 28	4 13.08	+0 18.8	28.189	29.027	1.1	23.9
11 7	4 30.65	+30 45.2	1.340	2.267	11.6	19.8	11 7	4 12.12	+0 13.6	28.156	29.050	0.9	23.9
11 17	4 20.85	+30 24.9	1.296	2.262	7.0	19.6	11 17	4 11.07	+0 9.4	28.151	29.074	0.7	23.9
11 27	4 9.47	+29 46.3	1.277	2.258	3.8	19.4	11 27	4 9.98	+0 6.4	28.174	29.098	0.7	23.9
12 7	3 58.25	+28 52.7	1.285	2.253	6.2	19.5	12 7	4 8.89	+0 4.8	28.227	29.121	0.8	23.9
12 17	3 48.80	+27 50.9	1.319	2.249	10.7	19.7	12 17	4 7.85	+0 4.5	28.307	29.145	1.0	23.9
12 27	3 42.37	+26 49.5	1.377	2.245	15.1	20.0	12 27	4 6.91	+0 5.7	28.414	29.169	1.3	24.0
81543	2000 <i>HX</i> ₂₁		11 26.6 105°37	1°6/27.2	18		443870	2001 <i>TB</i> ₂₅		11 26.6 111°28	5°2/28.9	18	
10 18	4 42.27	+25 34.9	2.219	2.981	14.3	19.3	10 18	4 45.16	+36 13.7	2.290	3.016	14.9	20.8
10 28	4 36.97	+25 53.6	2.144	3.000	11.4	19.1	10 28	4 39.58	+36 58.0	2.213	3.034	12.4	20.7
11 7	4 29.29	+26 5.8	2.092	3.018	8.1	19.0	11 7	4 31.29	+37 30.4	2.158	3.051	9.6	20.5
11 17	4 19.83	+26 10.2	2.066	3.036	4.4	18.8	11 17	4 20.92	+37 47.0	2.127	3.067	6.9	20.4
11 27	4 9.53	+26 6.5	2.070	3.054	1.6	18.6	11 27	4 9.52	+37 45.5	2.125	3.083	5.3	20.3
12 7	3 59.48	+25 56.0	2.104	3.071	4.2	18.8	12 7	3 58.35	+37 26.6	2.151	3.099	6.0	20.4
12 17	3 50.67	+25 41.6	2.167	3.088	7.7	19.1	12 17	3 48.57	+36 54.0	2.207	3.114	8.3	20.6
12 27	3 43.89	+25 26.8	2.257	3.105	10.8	19.3	12 27	3 41.09	+36 13.4	2.288	3.129	11.0	20.8
404061	2012 <i>DM</i> ₂₇		11 26.6 96°04	4°8/24.1	18		396092	2013 <i>CB</i> ₁₁₅		11 26.6 73°72	3°5/25.2	18	
10 18	4 35.04	+8 28.1	2.279	3.063	13.3	20.9	10 18	4 37.75	+12 54.2	1.884	2.677	15.4	21.2
10 28	4 31.04	+7 35.2	2.204	3.070	10.7	20.7	10 28	4 33.71	+12 26.1	1.807	2.682	12.3	21.0
11 7	4 25.08	+6 44.6	2.152	3.077	7.9	20.6	11 7	4 27.23	+11 58.4	1.752	2.687	8.7	20.8
11 17	4 17.70	+5 59.9	2.127	3.084	5.5	20.4	11 17	4 18.88	+11 33.7	1.721	2.691	5.1	20.6
11 27	4 9.63	+5 25.1	2.130	3.091	5.0	20.4	11 27	4 9.62	+11 15.3	1.719	2.696	3.6	20.5
12 7	4 1.75	+5 3.1	2.161	3.098	6.8	20.5	12 7	4 0.54	+11 5.8	1.745	2.701	6.3	20.6
12 17	3 54.83	+4 55.4	2.221	3.105	9.4	20.7	12 17	3 52.68	+11 7.1	1.798	2.706	9.9	20.9
12 27	3 49.54	+5 2.4	2.304	3.111	12.1	20.9	12 27	3 46.85	+11 20.1	1.876	2.711	13.2	21.1
189333	2007 <i>EJ</i> ₇₉		11 26.6 112°33	3°4/28.3	18		182671	2001 <i>UR</i> ₂₂₁		11 26.6 61°56	0°4/26.4	18	
10 18	4 40.22	+31 58.3	2.458	3.202	13.6	20.4	10 18	4 38.10	+21 7.6	1.902	2.690	15.5	21.0
10 28	4 35.37	+32 23.3	2.374	3.213	11.1	20.2	10 28	4 34.07	+20 57.4	1.825	2.698	12.3	20.8
11 7	4 28.22	+32 39.0	2.313	3.223	8.2	20.0	11 7	4 27.51	+20 41.9	1.768	2.705	8.5	20.6
11 17	4 19.32	+32 43.0	2.278	3.234	5.3	19.9	11 17	4 19.04	+20 21.8	1.737	2.713	4.2	20.3
11 27	4 9.56	+32 34.4	2.271	3.244	3.5	19.8	11 27	4 9.62	+19 58.6	1.734	2.721	0.5	20.1
12 7	3 59.95	+32 14.3	2.294	3.254	4.7	19.9	12 7	4 0.41	+19 35.0	1.760	2.729	4.7	20.4
12 17	3 51.48	+31 45.9	2.346	3.263	7.4	20.1	12 17	3 52.49	+19 14.3	1.814	2.737	8.8	20.7
12 27	3 44.92	+31 13.4	2.425	3.273	10.2	20.3	12 27	3 46.69	+18 59.6	1.893	2.745	12.4	20.9
209239	2003 <i>WU</i> ₁₁₀		11 26.6 20°16	2°3/27.4	18		447140	2005 <i>EO</i> ₂₂		11 26.6 232°87	3°1/25.2	18	
10 18	4 39.07	+26 27.0	1.556	2.349	18.2	20.4	10 18	4 38.30	+14 7.2	2.132	2.916	14.2	22.0
10 28	4 35.69	+26 46.5	1.479	2.352	14.6	20.1	10 28	4 34.01	+13 32.5	2.036	2.906	11.3	21.8
11 7	4 29.10	+26 57.0	1.423	2.356	10.4	19.9	11 7	4 27.41	+12 56.2	1.963	2.896	8.0	21.5
11 17	4 19.97	+26 56.5	1.389	2.361	5.8	19.6	11 17	4 19.00	+12 20.7	1.915	2.886	4.6	21.3
11 27	4 9.52	+26 44.5	1.382	2.366	2.4	19.4	11 27	4 9.62	+11 49.3	1.896	2.875	3.2	21.2
12 7	3 59.28	+26 23.0	1.402	2.371	5.5	19.7	12 7	4 0.28	+11 25.0	1.907	2.863	5.8	21.3
12 17	3 50.66	+25 56.6	1.448	2.377	10.0	19.9	12 17	3 51.95	+11 10.6	1.946	2.851	9.4	21.5
12 27	3 44.75	+25 30.8	1.518	2.384	14.1	20.2	12 27	3 45.47	+11 7.7	2.011	2.839	12.7	21.7
308942	2006 <i>SV</i> ₄₀₉		11 26.6 95°94	4°1/28.1	18		226993	2004 <i>XF</i> ₇₀		11 26.6 218°38	3°8/29.4	17	
10 18	4 42.30	+31 16.3	1.966	2.724	16.0	20.8	10 18	4 41.10	+37 26.4	2.605	3.326	13.4	19.9
10 28	4 37.70	+31 54.7	1.884	2.731	13.1	20.6	10 28	4 35.99	+37 3.7	2.502	3.321	11.2	19.7
11 7	4 30.22	+32 23.3	1.823	2.738	9.8	20.4	11 7	4 28.60	+36 26.0	2.420	3.316	8.6	19.5
11 17	4 20.46	+32 38.5	1.786	2.744	6.3	20.2	11 17	4 19.50	+35 31.4	2.364	3.311	5.8	19.3
11 27	4 9.51	+32 38.4	1.777	2.751	4.1	20.1	11 27	4 9.62	+34 20.3	2.337	3.305	3.9	19.2
12 7	3 58.70	+32 23.8	1.796	2.757	5.6	20.2	12 7	3 59.98	+32 55.7	2.341	3.299	4.7	19.2
12 17	3 49.31	+31 58.3	1.844	2.764	8.9	20.4	12 17	3 51.53	+31 23.0	2.376	3.293	7.3	19.4
12 27	3 42.33	+31 27.5	1.917	2.770	12.2	20.7	12 27	3 45.04	+29 48.7	2.439	3.287	10.1	19.6
452179	2015 <i>RH</i> ₈₉		11 26.6 55°85	4°0/28.4	17		72027	2000 <i>XX</i> ₂₉		11 26.6 1°35	3°6/27.4	18	
10 18	4 40.77	+32 31.9	1.771	2.537	17.3	21.1	10 18	4 42.61	+26 27.5	1.299	2.100	20.7	19.0
10 28	4 36.60	+32 44.8	1.700	2.552	14.1	20.9	10 28	4 39.39	+27 17.9	1.223	2.099	16.8	18.7
11 7	4 29.43	+32 44.1	1.650	2.567	10.4	20.7	11 7	4 32.25	+28 1.3	1.165	2.099	12.2	18.5
11 17	4 20.01	+32 27.2	1.622	2.582	6.6	20.5	11 17	4 21.81	+28 33.1	1.129	2.099	7.1	18.2
11 27	4 9.54	+31 53.6	1.622	2.598	4.1	20.4	11 27	4 9.50	+28 49.6	1.117	2.099	3.6	18.0
12 7	3 59.44	+31 6.5	1.650	2.614	5.6	20.5	12 7	3 57.26	+28 51.0	1.132	2.100	6.7	18.2
12 17	3 50.99	+30 11.3	1.705	2.630	9.1	20.8	12 17	3 46.98	+28 41.2	1.171	2.101	11.7	18.5
12 27	3 45.11	+29 15.1	1.785	2.646	12.6	21.0	12 27	3 40.09	+28 27.0	1.232	2.103	16.3	18.7
83089	2001 <i>QP</i> ₂₃₀		11 26.6 34°53	0°3/26.4	18		351083	2003 <i>UR</i> ₈₆		11 26.6 10°06	1°0/26.4	18	
10 18	4 37.21	+22 38.5	1.796	2.587	16.1	19.7	10 18	4 40.88	+16 2.9	1.442	2.247	18.7	19.9
10 28	4 33.56	+22 11.8	1.716	2.591	12.8	19.5	10 28	4 37.23	+16 41.7	1.366	2.249	15.0	19.7
11 7	4 27.24	+21 37.1	1.658	2.596	8.9	19.3	11 7	4 30.28	+17 23.5	1.310	2.251	10.4	19.4
11 17	4 18.91	+20 55.6	1.624	2.600	4.4	19.0	11 17	4 20.66	+18 7.3	1.278	2.254	5.3	19.1
11 27	4 9.59	+20 9.6	1.619	2.605	0.4	18.7	11 27	4 9.56	+18 52.0	1.272	2.258	1.0	18.8
12 7	4 0.51	+19 23.5	1.641	2.610	4.9	19.1	12 7	3 58.56	+19 36.7	1.293	2.263	5.8	19.2
12 17	3 52.78	+18 41.6	1.692	2.616	9.2	19.3	12 17	3 49.16	+20 21.3	1.341	2.268	10.8	19.5
12 27	3 47.29	+18 8.1	1.767	2.621	13.0	19.6	12 27	3 42.54	+21 6.9	1.412	2.274	15.2	19.8
107374	2001 <i>CF</i> ₃₄		11 26.6 292°09	3°3/25.8	18		443867	2001 <i>SM</i> ₃₀					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
165555	2001 <i>DD</i> ₄₄		11 26.6 304°78	8°5/29.8	18		363897	2005 <i>SJ</i> ₁₅₁		11 26.6 90°87	0°2/26.7	18	
10 18	4 42.84	+40 36.5	1.723	2.463	18.7	19.6	10 18	4 38.58	+22 2.4	2.085	2.864	14.6	21.7
10 28	4 39.40	+41 36.9	1.630	2.451	16.1	19.4	10 28	4 34.28	+22 2.6	2.003	2.871	11.6	21.5
11 7	4 32.21	+42 21.6	1.555	2.439	13.2	19.2	11 7	4 27.60	+21 57.8	1.943	2.878	8.0	21.3
11 17	4 21.81	+42 43.3	1.501	2.428	10.3	19.0	11 17	4 19.09	+21 47.9	1.909	2.884	4.0	21.1
11 27	4 9.52	+42 36.5	1.472	2.417	8.6	18.8	11 27	4 9.69	+21 33.9	1.904	2.891	0.2	20.8
12 7	3 57.16	+42 0.3	1.468	2.406	9.2	18.9	12 7	4 0.44	+21 17.6	1.928	2.897	4.3	21.1
12 17	3 46.56	+40 59.8	1.489	2.395	11.6	19.0	12 17	3 52.36	+21 1.9	1.981	2.904	8.2	21.4
12 27	3 39.16	+39 44.5	1.534	2.385	14.8	19.1	12 27	3 46.28	+20 49.9	2.059	2.910	11.6	21.6
490567	2009 <i>WJ</i> ₄₄		11 26.6 54°92	4°7/28.0	18		265441	2004 <i>XS</i> ₃₄		11 26.6 243°47	2°0/25.7	18	
10 18	4 43.84	+31 33.7	2.079	2.830	15.5	20.9	10 18	4 36.89	+14 20.7	2.613	3.387	12.1	20.8
10 28	4 38.84	+32 42.7	2.003	2.843	12.8	20.7	10 28	4 32.48	+14 16.7	2.512	3.377	9.6	20.6
11 7	4 30.99	+33 43.4	1.948	2.856	9.6	20.6	11 7	4 26.16	+14 12.9	2.435	3.367	6.7	20.4
11 17	4 20.89	+34 31.6	1.918	2.870	6.5	20.4	11 17	4 18.35	+14 10.5	2.385	3.357	3.7	20.2
11 27	4 9.57	+35 3.7	1.916	2.884	4.7	20.3	11 27	4 9.72	+14 10.7	2.365	3.347	2.0	20.0
12 7	3 58.34	+35 19.1	1.943	2.897	5.9	20.4	12 7	4 1.09	+14 15.0	2.375	3.336	4.5	20.2
12 17	3 48.46	+35 20.3	1.999	2.911	8.8	20.6	12 17	3 53.24	+14 24.5	2.415	3.325	7.6	20.4
12 27	3 40.94	+35 11.9	2.080	2.926	11.7	20.8	12 27	3 46.89	+14 40.2	2.482	3.314	10.5	20.5
491009	2011 <i>GP</i> ₇₅		11 26.6 318°07	2°5/27.2	18		176864	2002 <i>TR</i> ₂₉₅		11 26.6 20°61	11°1/30.8	18	
10 18	4 39.98	+25 26.1	2.150	2.919	14.5	20.4	10 18	4 40.75	+41 30.8	1.232	2.004	23.2	18.7
10 28	4 35.75	+26 17.1	2.049	2.907	11.8	20.2	10 28	4 38.76	+43 8.7	1.180	2.018	20.0	18.5
11 7	4 28.91	+27 4.7	1.970	2.896	8.5	20.0	11 7	4 32.18	+44 24.7	1.144	2.033	16.5	18.3
11 17	4 19.91	+27 46.2	1.917	2.885	4.9	19.7	11 17	4 21.83	+45 9.0	1.126	2.051	13.2	18.2
11 27	4 9.61	+28 19.3	1.892	2.874	2.5	19.5	11 27	4 9.56	+45 14.9	1.129	2.070	11.2	18.1
12 7	3 59.17	+28 43.3	1.897	2.863	4.8	19.7	12 7	3 57.78	+44 43.2	1.155	2.090	11.5	18.2
12 17	3 49.74	+28 59.1	1.931	2.853	8.4	19.9	12 17	3 48.63	+43 42.2	1.204	2.112	13.7	18.4
12 27	3 42.35	+29 9.9	1.991	2.843	11.9	20.1	12 27	3 43.50	+42 24.8	1.273	2.135	16.5	18.7
256554	2007 <i>RG</i> ₁₇₉		11 26.6 63°90	2°8/25.7	16		326315	1999 <i>UE</i> ₂₂		11 26.6 79°44	0°5/26.4	18	
10 18	4 43.67	+17 57.1	1.185	2.001	21.4	20.4	10 18	4 45.42	+21 23.4	1.441	2.235	19.3	21.0
10 28	4 39.44	+17 16.4	1.136	2.025	16.9	20.2	10 28	4 40.34	+21 9.7	1.386	2.261	15.2	20.8
11 7	4 31.59	+16 31.0	1.105	2.049	11.6	20.0	11 7	4 32.00	+20 49.4	1.350	2.287	10.5	20.6
11 17	4 21.11	+15 44.1	1.097	2.073	6.0	19.8	11 17	4 21.29	+20 23.1	1.337	2.313	5.2	20.4
11 27	4 9.58	+15 0.9	1.114	2.097	2.9	19.6	11 27	4 9.60	+19 52.9	1.352	2.339	0.6	20.1
12 7	3 58.77	+14 26.4	1.156	2.122	7.2	20.0	12 7	3 58.53	+19 22.9	1.395	2.364	5.6	20.5
12 17	3 50.15	+14 5.0	1.224	2.146	12.2	20.3	12 17	3 49.39	+18 57.4	1.464	2.388	10.4	20.9
12 27	3 44.67	+13 58.9	1.313	2.170	16.4	20.7	12 27	3 43.12	+18 40.3	1.557	2.412	14.4	21.2
100715	1998 <i>BK</i> ₂₁		11 26.6 40°09	0°2/26.7	18		489283	2006 <i>SM</i> ₁₇₇		11 26.6 5°41	0°7/26.4	18	
10 18	4 37.92	+22 29.1	1.797	2.587	16.2	20.1	10 18	4 34.05	+20 50.6	1.020	1.861	22.3	21.5
10 28	4 34.15	+22 23.9	1.720	2.594	12.8	19.9	10 28	4 32.97	+20 42.1	0.957	1.861	17.8	21.2
11 7	4 27.69	+22 12.4	1.664	2.601	8.9	19.7	11 7	4 27.92	+20 26.0	0.911	1.861	12.4	20.9
11 17	4 19.18	+21 54.7	1.633	2.609	4.5	19.4	11 17	4 19.63	+20 3.3	0.884	1.863	6.2	20.6
11 27	4 9.67	+21 32.2	1.630	2.616	0.2	19.1	11 27	4 9.67	+19 36.9	0.881	1.867	0.8	20.2
12 7	4 0.37	+21 7.5	1.654	2.624	4.8	19.5	12 7	4 0.00	+19 11.6	0.900	1.872	7.0	20.6
12 17	3 52.43	+20 44.4	1.707	2.632	9.0	19.8	12 17	3 52.45	+18 52.8	0.942	1.879	12.9	21.0
12 27	3 46.74	+20 26.5	1.784	2.641	12.8	20.0	12 27	3 48.31	+18 45.2	1.004	1.888	18.0	21.3
356919	2012 <i>BL</i> ₁₂₆		11 26.6 124°10	4°5/24.6	18		292812	2006 <i>UJ</i> ₂₅₃		11 26.6 68°66	2°7/27.4	18	
10 18	4 36.47	+ 8 6.3	2.336	3.116	13.2	20.5	10 18	4 41.79	+26 37.6	1.926	2.697	15.9	20.8
10 28	4 32.15	+ 7 34.0	2.259	3.122	10.6	20.3	10 28	4 37.28	+27 16.7	1.843	2.702	12.8	20.6
11 7	4 25.87	+ 7 5.0	2.204	3.128	7.8	20.1	11 7	4 29.95	+27 49.5	1.782	2.708	9.2	20.4
11 17	4 18.15	+ 6 42.2	2.175	3.134	5.3	20.0	11 17	4 20.40	+28 13.3	1.746	2.713	5.3	20.2
11 27	4 9.72	+ 6 28.7	2.176	3.140	4.6	20.0	11 27	4 9.65	+28 26.3	1.737	2.719	2.7	20.1
12 7	4 1.44	+ 6 26.3	2.205	3.146	6.4	20.1	12 7	3 59.01	+28 28.9	1.758	2.725	5.0	20.2
12 17	3 54.11	+ 6 36.2	2.262	3.151	9.1	20.3	12 17	3 49.69	+28 23.7	1.807	2.730	8.8	20.5
12 27	3 48.41	+ 6 58.2	2.345	3.157	11.7	20.5	12 27	3 42.72	+28 15.1	1.881	2.736	12.3	20.7
493972	2016 <i>AP</i> ₆₈		11 26.6 9°60	1°4/25.9	17		37508	3190 <i>T</i> ₋₂		11 26.6 171°83	4°4/24.5	18	
10 18	4 32.42	+20 27.7	1.429	2.249	18.2	20.5	10 18	4 37.18	+ 9 26.2	2.303	3.083	13.4	19.5
10 28	4 30.39	+19 53.6	1.361	2.253	14.4	20.2	10 28	4 32.78	+ 8 43.4	2.221	3.085	10.7	19.4
11 7	4 25.39	+19 12.2	1.312	2.258	9.9	20.0	11 7	4 26.36	+ 8 2.3	2.161	3.087	7.8	19.2
11 17	4 18.11	+18 25.7	1.287	2.264	5.0	19.7	11 17	4 18.43	+ 7 26.2	2.128	3.089	5.2	19.0
11 27	4 9.72	+17 38.3	1.286	2.272	1.5	19.5	11 27	4 9.75	+ 6 58.4	2.124	3.090	4.5	19.0
12 7	4 1.63	+16 55.0	1.312	2.281	5.9	19.8	12 7	4 1.19	+ 6 41.8	2.149	3.091	6.4	19.1
12 17	3 55.07	+16 20.6	1.364	2.292	10.6	20.1	12 17	3 53.61	+ 6 38.0	2.202	3.091	9.3	19.3
12 27	3 51.01	+15 58.8	1.438	2.303	14.7	20.4	12 27	3 47.68	+ 6 47.4	2.280	3.091	12.0	19.5
222212	2000 <i>ET</i> ₉₉		11 26.6 315°05	1°3/26.9	18		416746	2005 <i>EO</i> ₉₃		11 26.6 267°61	4°0/24.9	18	
10 18	4 38.36	+24 11.1	1.382	2.189	19.3	21.4	10 18	4 35.91	+ 8 5.1	2.509	3.286	12.5	20.8
10 28	4 35.76	+24 18.6	1.293	2.176	15.6	21.1	10 28	4 31.73	+ 7 48.1	2.414	3.276	10.1	20.6
11 7	4 29.62	+24 17.8	1.223	2.163	11.1	20.8	11 7	4 25.65	+ 7 34.6	2.343	3.267	7.4	20.5
11 17	4 20.49	+24 7.2	1.175	2.150	5.9	20.5	11 17	4 18.10	+ 7 27.1	2.297	3.258	4.9	20.3
11 27	4 9.61	+23 46.9	1.152	2.138	1.3	20.1	11 27	4 9.76	+ 7 27.8	2.281	3.248	4.1	20.2
12 7	3 58.67	+23 19.7	1.155	2.127	6.0	20.4	12 7	4 1.44	+ 7 38.4	2.294	3.238	5.9	20.3
12 17	3 49.38	+22 50.5	1.183	2.116	11.4	20.7	12 17	3 53.93	+ 7 59.5	2.336	3.229	8.6	20.5
12 27	3 43.08	+22 25.5	1.234	2.105	16.3	20.9	12 27	3 47.90	+ 8 31.0	2.403	3.219	11.3	20.6
516804	2010 <i>JN</i> ₁₇₆		11 26.6 173°33	2°8/24.9	18		411568						

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
517161	2013 <i>MW</i> ₂		11 26.6	63°15'	7°6'/23.9	18	135687	2002 <i>OT</i> ₁₂		11 26.6	311°33'	7°3'/1.6	18
10 18	4 37.36	- 1 3.6	2.141	2.909	14.6	20.7	10 18	4 42.66	+46 2.6	2.453	3.138	15.0	19.4
10 28	4 32.78	- 1 53.6	2.092	2.935	12.2	20.6	10 28	4 37.92	+46 26.0	2.360	3.137	13.1	19.2
11 7	4 26.22	- 2 33.3	2.065	2.962	9.8	20.5	11 7	4 30.34	+46 32.0	2.286	3.136	10.9	19.1
11 17	4 18.28	- 2 58.1	2.062	2.988	8.0	20.4	11 17	4 20.57	+46 16.3	2.235	3.135	8.9	18.9
11 27	4 9.79	- 3 4.5	2.087	3.014	7.7	20.4	11 27	4 9.73	+45 36.4	2.210	3.134	7.5	18.8
12 7	4 1.63	- 2 51.1	2.138	3.040	8.9	20.6	12 7	3 59.16	+44 33.4	2.212	3.133	7.6	18.8
12 17	3 54.60	- 2 18.9	2.216	3.066	10.9	20.7	12 17	3 50.06	+43 12.0	2.241	3.132	9.0	18.9
12 27	3 49.30	- 1 30.3	2.317	3.092	13.0	20.9	12 27	3 43.37	+41 39.7	2.297	3.131	11.1	19.1
117980	1256 <i>T</i> ₋₁		11 26.6	251°42'	5°6'/28.2	18	327123	2005 <i>EW</i> ₁₄₁		11 26.6	202°72'	1°2'/26.2	17
10 18	4 44.96	+32 18.3	1.533	2.304	19.3	20.0	10 18	4 42.30	+19 49.5	1.629	2.421	17.5	21.9
10 28	4 41.02	+33 10.7	1.447	2.300	16.1	19.8	10 28	4 38.01	+19 28.5	1.544	2.419	14.0	21.7
11 7	4 33.30	+33 52.1	1.379	2.295	12.2	19.5	11 7	4 30.65	+19 1.8	1.478	2.416	9.7	21.4
11 17	4 22.38	+34 16.4	1.333	2.290	8.2	19.3	11 17	4 20.84	+18 30.2	1.437	2.413	4.9	21.1
11 27	4 9.60	+34 19.4	1.314	2.285	5.7	19.1	11 27	4 9.73	+17 56.2	1.423	2.409	1.3	20.9
12 7	3 56.80	+34 0.9	1.320	2.280	7.3	19.2	12 7	3 58.74	+17 23.7	1.438	2.405	5.8	21.2
12 17	3 45.80	+33 25.7	1.353	2.275	11.2	19.4	12 17	3 49.24	+16 57.0	1.480	2.401	10.5	21.4
12 27	3 38.02	+32 42.4	1.409	2.270	15.3	19.7	12 27	3 42.32	+16 39.9	1.545	2.396	14.7	21.7
220052	2002 <i>RY</i> ₁₀₁		11 26.6	10°36'	6°6'/28.2	18	249207	2008 <i>DW</i> ₄₈		11 26.6	220°09'	2°8'/27.7	17
10 18	4 34.85	+30 13.7	0.948	1.781	24.3	18.9	10 18	4 42.42	+28 48.8	2.519	3.265	13.2	21.1
10 28	4 34.41	+31 27.2	0.893	1.784	20.0	18.6	10 28	4 37.28	+29 23.5	2.414	3.257	10.8	21.0
11 7	4 29.42	+32 27.0	0.852	1.789	15.0	18.3	11 7	4 29.75	+29 51.8	2.332	3.248	7.9	20.8
11 17	4 20.59	+33 6.0	0.830	1.797	9.9	18.1	11 17	4 20.31	+30 11.4	2.276	3.238	4.8	20.5
11 27	4 9.70	+33 18.8	0.829	1.806	6.6	18.0	11 27	4 9.77	+30 20.5	2.251	3.228	2.8	20.4
12 7	3 59.15	+33 6.4	0.850	1.817	8.7	18.1	12 7	3 59.14	+30 19.4	2.255	3.218	4.5	20.5
12 17	3 51.15	+32 35.8	0.892	1.830	13.4	18.4	12 17	3 49.48	+30 10.0	2.290	3.207	7.5	20.7
12 27	3 47.16	+31 57.5	0.954	1.845	18.0	18.8	12 27	3 41.66	+29 56.0	2.352	3.195	10.6	20.8
168211	2006 <i>JF</i> ₃₉		11 26.6	51°64'	1°6'/26.1	18	30125	Mikakiser		11 26.6	180°54'	3°1'/25.4	18
10 18	4 41.19	+17 21.4	1.507	2.308	18.3	19.3	10 18	4 40.61	+14 55.7	1.814	2.604	16.1	18.9
10 28	4 36.89	+17 17.4	1.451	2.332	14.4	19.1	10 28	4 36.19	+14 21.5	1.731	2.605	12.8	18.7
11 7	4 29.61	+17 11.6	1.415	2.355	9.9	18.9	11 7	4 29.11	+13 45.4	1.670	2.605	9.0	18.5
11 17	4 20.14	+17 4.8	1.404	2.379	5.0	18.6	11 17	4 19.98	+13 9.9	1.633	2.605	5.0	18.3
11 27	4 9.73	+16 59.0	1.419	2.404	1.7	18.5	11 27	4 9.79	+12 38.5	1.625	2.605	3.2	18.2
12 7	3 59.79	+16 56.4	1.461	2.428	5.7	18.8	12 7	3 59.76	+12 14.8	1.645	2.604	6.3	18.3
12 17	3 51.55	+16 59.2	1.530	2.453	10.1	19.1	12 17	3 51.02	+12 1.6	1.693	2.603	10.2	18.6
12 27	3 45.88	+17 9.4	1.624	2.478	13.9	19.4	12 27	3 44.49	+12 0.8	1.766	2.602	13.9	18.8
230242	2001 <i>UD</i> ₁₃₁		11 26.6	296°50'	0°9'/26.9	18	404966	1998 <i>TQ</i> ₂₂		11 26.6	34°21'	0°5'/26.8	16
10 18	4 40.30	+22 28.0	1.561	2.357	18.0	20.3	10 18	4 36.91	+23 4.6	1.863	2.652	15.7	21.4
10 28	4 36.95	+22 48.2	1.465	2.342	14.5	20.0	10 28	4 33.25	+23 3.9	1.791	2.664	12.5	21.2
11 7	4 30.29	+23 3.8	1.389	2.326	10.3	19.7	11 7	4 27.03	+22 56.8	1.740	2.676	8.7	21.0
11 17	4 20.84	+23 13.4	1.336	2.311	5.4	19.4	11 17	4 18.89	+22 43.4	1.713	2.688	4.4	20.8
11 27	4 9.69	+23 16.3	1.309	2.296	1.0	19.0	11 27	4 9.84	+22 24.8	1.715	2.701	0.5	20.5
12 7	3 58.38	+23 13.5	1.310	2.281	5.6	19.3	12 7	4 1.03	+22 3.4	1.744	2.715	4.5	20.9
12 17	3 48.48	+23 8.0	1.337	2.266	10.7	19.6	12 17	3 53.53	+21 42.6	1.802	2.728	8.6	21.1
12 27	3 41.30	+23 4.3	1.388	2.251	15.3	19.8	12 27	3 48.18	+21 25.9	1.884	2.743	12.1	21.4
474232	2001 <i>PO</i> ₅₃		11 26.6	54°82'	1°0'/26.4	16	409131	2003 <i>UE</i> ₃₅		11 26.6	85°54'	0°6'/26.9	18
10 18	4 44.71	+18 23.0	1.288	2.094	20.5	21.1	10 18	4 37.27	+24 59.5	2.308	3.079	13.6	20.5
10 28	4 40.11	+18 33.1	1.239	2.122	16.2	20.9	10 28	4 32.97	+24 38.1	2.229	3.091	10.8	20.4
11 7	4 32.03	+18 40.8	1.208	2.149	11.1	20.7	11 7	4 26.55	+24 8.9	2.172	3.103	7.5	20.2
11 17	4 21.39	+18 45.9	1.201	2.177	5.5	20.4	11 17	4 18.56	+23 32.4	2.141	3.115	3.9	20.0
11 27	4 9.69	+18 49.3	1.219	2.205	1.0	20.2	11 27	4 9.86	+22 50.3	2.140	3.126	0.6	19.7
12 7	3 58.62	+18 53.2	1.264	2.233	6.0	20.6	12 7	4 1.39	+22 5.7	2.169	3.138	3.9	20.0
12 17	3 49.63	+18 59.9	1.335	2.261	10.9	21.0	12 17	3 54.03	+21 22.2	2.227	3.149	7.4	20.3
12 27	3 43.68	+19 12.3	1.429	2.290	15.1	21.3	12 27	3 48.46	+20 43.5	2.311	3.161	10.5	20.5
153670	2001 <i>TJ</i> ₁₈₇		11 26.6	62°30'	0°0'/26.6	18	120474	1992 <i>EH</i> ₁₄		11 26.6	261°79'	0°4'/26.8	18
10 18	4 42.10	+22 32.7	1.432	2.232	19.1	20.5	10 18	4 40.64	+23 19.9	1.745	2.531	16.7	20.4
10 28	4 37.91	+22 20.7	1.373	2.252	15.2	20.3	10 28	4 36.77	+23 12.3	1.646	2.517	13.5	20.2
11 7	4 30.48	+22 0.9	1.333	2.272	10.5	20.1	11 7	4 29.89	+22 57.1	1.568	2.503	9.5	19.9
11 17	4 20.63	+21 33.8	1.316	2.292	5.2	19.8	11 17	4 20.54	+22 33.6	1.514	2.488	4.9	19.6
11 27	4 9.72	+21 1.4	1.326	2.312	0.2	19.5	11 27	4 9.77	+22 3.0	1.487	2.474	0.4	19.2
12 7	3 59.33	+20 27.9	1.363	2.333	5.5	20.0	12 7	3 58.95	+21 28.1	1.489	2.458	5.2	19.5
12 17	3 50.78	+19 58.0	1.426	2.353	10.3	20.3	12 17	3 49.46	+20 53.6	1.518	2.443	10.0	19.8
12 27	3 45.05	+19 36.0	1.513	2.374	14.4	20.6	12 27	3 42.41	+20 24.3	1.571	2.427	14.2	20.0
513616	2011 <i>HS</i> ₆₆		11 26.6	153°17'	0°6'/26.4	18	176336	2001 <i>SC</i> ₃₀₇		11 26.6	30°09'	0°1'/26.6	18
10 18	4 42.35	+20 4.2	2.031	2.807	15.1	22.4	10 18	4 37.94	+21 48.4	1.777	2.569	16.3	20.4
10 28	4 37.29	+19 57.5	1.949	2.814	12.0	22.2	10 28	4 34.25	+21 42.2	1.698	2.573	12.9	20.2
11 7	4 29.70	+19 46.7	1.888	2.822	8.3	22.0	11 7	4 27.86	+21 30.2	1.640	2.578	9.0	19.9
11 17	4 20.20	+19 32.1	1.853	2.828	4.1	21.8	11 17	4 19.37	+21 12.6	1.607	2.582	4.5	19.7
11 27	4 9.75	+19 15.0	1.848	2.834	0.7	21.5	11 27	4 9.82	+20 50.8	1.601	2.587	0.2	19.3
12 7	3 59.47	+18 57.6	1.872	2.840	4.6	21.8	12 7	4 0.47	+20 27.7	1.623	2.593	4.9	19.7
12 17	3 50.45	+18 42.9	1.926	2.844	8.6	22.1	12 17	3 52.45	+20 6.6	1.672	2.598	9.2	20.0
12 27	3 43.53	+18 33.6	2.005	2.848	12.1	22.3	12 27	3 46.71	+19 51.2	1.747	2.604	13.0	20.3
300536	2007 <i>TZ</i> ₂₃₈		11 26.6	159°15'	1°6'/25.9	18	236453	2006 <i>EW</i> ₂₁					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
2764	Moeller		11 26.6 254°94	0°9/26.9	18	R	240615	2004 XU ₄₉		11 26.6 359°94	3°6/25.6	18	
10 18	4 41.65	+24 32.7	1.544	2.335	18.3	16.9	10 18	4 38.27	+13 3.2	1.555	2.360	17.6	20.3
10 28	4 37.94	+24 27.8	1.453	2.327	14.8	16.7	10 28	4 34.84	+12 47.2	1.477	2.359	14.1	20.1
11 7	4 30.89	+24 13.7	1.383	2.319	10.5	16.4	11 7	4 28.48	+12 32.4	1.420	2.358	10.0	19.9
11 17	4 21.10	+23 49.2	1.335	2.310	5.5	16.1	11 17	4 19.79	+12 21.6	1.386	2.358	5.7	19.6
11 27	4 9.77	+23 15.3	1.315	2.301	0.9	15.8	11 27	4 9.88	+12 17.7	1.379	2.358	3.7	19.5
12 7	3 58.48	+22 35.3	1.321	2.292	5.6	16.1	12 7	4 0.11	+12 23.1	1.398	2.359	6.9	19.7
12 17	3 48.76	+21 54.7	1.354	2.282	10.7	16.3	12 17	3 51.75	+12 39.4	1.444	2.360	11.1	20.0
12 27	3 41.84	+21 19.5	1.412	2.273	15.2	16.6	12 27	3 45.84	+13 7.1	1.512	2.362	15.1	20.2
149195	2002 PH		11 26.6 48°86	0°8/26.9	18		318248	2004 RG ₃₀₈		11 26.6 347°36	1°0/26.1	18	
10 18	4 43.00	+24 25.3	1.156	1.969	22.0	20.5	10 18	4 35.59	+21 54.0	1.973	2.763	15.0	19.7
10 28	4 39.26	+24 15.7	1.108	1.994	17.4	20.3	10 28	4 32.13	+21 9.7	1.885	2.760	11.9	19.5
11 7	4 31.68	+23 55.3	1.078	2.019	12.1	20.1	11 7	4 26.26	+20 17.2	1.820	2.758	8.2	19.3
11 17	4 21.29	+23 23.9	1.069	2.045	6.1	19.9	11 17	4 18.56	+19 18.3	1.780	2.755	4.1	19.0
11 27	4 9.77	+22 44.1	1.085	2.071	0.8	19.6	11 27	4 9.94	+18 16.3	1.768	2.754	1.0	18.8
12 7	3 59.02	+22 1.3	1.126	2.098	6.1	20.0	12 7	4 1.49	+17 15.9	1.785	2.752	4.9	19.1
12 17	3 50.57	+21 21.9	1.193	2.125	11.3	20.4	12 17	3 54.22	+16 21.9	1.830	2.751	8.9	19.3
12 27	3 45.42	+20 51.5	1.282	2.152	15.8	20.8	12 27	3 48.93	+15 38.3	1.901	2.750	12.5	19.5
238596	2005 AJ ₁₃		11 26.6 24°38	0°3/26.5	18		131346	2001 HU ₅₆		11 26.6 210°65	2°2/27.7	18	
10 18	4 38.64	+20 47.5	1.468	2.274	18.5	20.2	10 18	4 38.33	+28 34.2	2.672	3.424	12.4	20.6
10 28	4 35.37	+20 46.9	1.396	2.279	14.7	19.9	10 28	4 33.80	+28 47.6	2.573	3.420	10.0	20.5
11 7	4 28.93	+20 41.2	1.344	2.285	10.2	19.7	11 7	4 27.20	+28 53.7	2.497	3.416	7.3	20.3
11 17	4 20.00	+20 30.4	1.314	2.291	5.1	19.4	11 17	4 18.99	+28 51.3	2.447	3.412	4.3	20.1
11 27	4 9.82	+20 16.0	1.311	2.297	0.4	19.1	11 27	4 9.93	+28 40.0	2.426	3.407	2.2	19.9
12 7	3 59.88	+20 0.8	1.334	2.305	5.6	19.5	12 7	4 0.90	+28 20.9	2.436	3.402	3.9	20.1
12 17	3 51.55	+19 48.4	1.384	2.312	10.5	19.8	12 17	3 52.78	+27 56.5	2.476	3.397	6.9	20.2
12 27	3 45.91	+19 42.4	1.456	2.320	14.7	20.1	12 27	3 46.31	+27 30.4	2.543	3.391	9.7	20.4
476996	2008 YW ₁₁₁		11 26.6 97°58	3°0/25.8	18		223095	2002 UG ₁₉		11 26.6 54°79	0°6/26.4	18	
10 18	4 43.04	+12 34.2	1.804	2.589	16.3	20.6	10 18	4 42.98	+21 37.4	1.249	2.059	20.9	19.8
10 28	4 37.96	+12 35.5	1.734	2.603	13.0	20.4	10 28	4 38.92	+21 17.3	1.198	2.083	16.5	19.6
11 7	4 30.23	+12 39.3	1.685	2.618	9.1	20.2	11 7	4 31.31	+20 49.6	1.166	2.108	11.3	19.4
11 17	4 20.50	+12 47.0	1.661	2.632	5.1	20.0	11 17	4 21.12	+20 15.3	1.157	2.134	5.6	19.1
11 27	4 9.81	+13 0.0	1.666	2.646	3.0	19.9	11 27	4 9.88	+19 37.7	1.173	2.159	0.7	18.8
12 7	3 59.38	+13 19.3	1.700	2.660	5.9	20.1	12 7	3 59.31	+19 1.5	1.215	2.185	6.0	19.3
12 17	3 50.34	+13 45.6	1.762	2.674	9.8	20.4	12 17	3 50.86	+18 31.9	1.283	2.211	11.1	19.7
12 27	3 43.55	+14 19.2	1.849	2.687	13.2	20.7	12 27	3 45.47	+18 12.9	1.373	2.237	15.4	20.0
186835	Normanspinrad		11 26.6 97°61	3°5/25.6	18		202445	2005 YN ₈₂		11 26.6 188°92	0°0/26.6	18	
10 18	4 42.80	+13 7.4	1.596	2.390	17.7	20.5	10 18	4 41.45	+22 31.7	2.113	2.884	14.7	21.9
10 28	4 38.12	+12 50.2	1.529	2.404	14.1	20.3	10 28	4 36.64	+22 18.6	2.021	2.884	11.7	21.7
11 7	4 30.51	+12 34.3	1.482	2.417	9.9	20.1	11 7	4 29.34	+21 59.2	1.951	2.883	8.1	21.5
11 17	4 20.70	+12 22.0	1.459	2.431	5.6	19.9	11 17	4 20.12	+21 33.6	1.907	2.881	4.1	21.3
11 27	4 9.84	+12 16.1	1.464	2.444	3.6	19.8	11 27	4 9.91	+21 3.1	1.892	2.878	0.2	20.9
12 7	3 59.31	+12 18.8	1.497	2.456	6.7	20.0	12 7	3 59.81	+20 30.5	1.907	2.876	4.4	21.3
12 17	3 50.32	+12 31.6	1.556	2.469	10.8	20.3	12 17	3 50.88	+19 59.2	1.952	2.872	8.4	21.5
12 27	3 43.84	+12 55.2	1.640	2.481	14.5	20.6	12 27	3 43.99	+19 33.1	2.022	2.868	12.0	21.7
518307	2017 BB ₃₆		11 26.6 155°83	1°4/25.8	18		490518	2009 UW ₁₂₀		11 26.6 69°31	1°6/27.3	17	
10 18	4 36.79	+16 49.3	2.866	3.635	11.3	21.9	10 18	4 39.49	+25 29.2	2.135	2.906	14.6	22.0
10 28	4 32.13	+16 32.4	2.779	3.642	8.9	21.7	10 28	4 35.04	+25 47.1	2.058	2.919	11.6	21.8
11 7	4 25.77	+16 13.9	2.717	3.649	6.1	21.6	11 7	4 28.19	+25 58.6	2.003	2.931	8.2	21.6
11 17	4 18.16	+15 54.6	2.682	3.655	3.2	21.4	11 17	4 19.51	+26 2.4	1.973	2.944	4.5	21.4
11 27	4 9.95	+15 36.2	2.677	3.661	1.5	21.3	11 27	4 9.93	+25 58.3	1.972	2.956	1.6	21.2
12 7	4 1.85	+15 20.5	2.704	3.666	3.9	21.4	12 7	4 0.55	+25 47.8	2.000	2.969	4.2	21.4
12 17	3 54.55	+15 9.2	2.761	3.671	6.7	21.6	12 17	3 52.36	+25 33.6	2.057	2.982	7.8	21.7
12 27	3 48.64	+15 3.8	2.845	3.675	9.3	21.8	12 27	3 46.18	+25 19.2	2.141	2.994	11.1	21.9
482895	2014 GS ₆		11 26.6 201°03	0°3/26.7	18		126451	2002 CV ₂₀		11 26.6 255°15	0°3/26.5	17	
10 18	4 40.25	+23 5.5	1.917	2.697	15.7	21.6	10 18	4 37.65	+20 56.8	2.235	3.013	13.8	20.4
10 28	4 35.98	+22 56.8	1.828	2.696	12.5	21.4	10 28	4 33.56	+20 51.6	2.138	3.006	11.0	20.2
11 7	4 29.04	+22 41.2	1.760	2.694	8.7	21.2	11 7	4 27.20	+20 42.0	2.064	2.998	7.6	20.0
11 17	4 20.00	+22 18.6	1.717	2.692	4.5	20.9	11 17	4 19.06	+20 28.3	2.016	2.990	3.8	19.8
11 27	4 9.87	+21 50.2	1.703	2.690	0.3	20.6	11 27	4 9.95	+20 11.6	1.996	2.983	0.3	19.5
12 7	3 59.85	+21 18.8	1.718	2.687	4.7	20.9	12 7	4 0.87	+19 53.9	2.007	2.975	4.2	19.8
12 17	3 51.10	+20 48.3	1.761	2.684	9.0	21.2	12 17	3 52.79	+19 37.8	2.046	2.967	8.1	20.0
12 27	3 44.56	+20 22.8	1.829	2.681	12.7	21.4	12 27	3 46.53	+19 26.2	2.111	2.959	11.4	20.2
99696	2002 JC ₃₀		11 26.6 111°14	0°2/26.5	18		267868	2003 WC ₁₁₂		11 26.6 93°11	2°1/27.5	17	
10 18	4 37.77	+21 7.9	2.434	3.206	12.9	20.2	10 18	4 39.24	+27 1.1	2.421	3.181	13.3	20.4
10 28	4 33.26	+21 1.8	2.353	3.217	10.2	20.1	10 28	4 34.65	+27 26.4	2.337	3.189	10.7	20.2
11 7	4 26.72	+20 51.5	2.294	3.227	7.0	19.9	11 7	4 27.84	+27 45.4	2.274	3.197	7.7	20.1
11 17	4 18.69	+20 37.5	2.263	3.238	3.5	19.7	11 17	4 19.33	+27 56.5	2.238	3.205	4.4	19.9
11 27	4 9.93	+20 20.7	2.261	3.248	0.3	19.4	11 27	4 9.95	+27 59.0	2.230	3.212	2.1	19.7
12 7	4 1.33	+20 3.2	2.290	3.258	3.8	19.7	12 7	4 0.67	+27 53.8	2.253	3.220	4.1	19.9
12 17	3 53.73	+19 47.2	2.348	3.268	7.2	20.0	12 17	3 52.43	+27 43.2	2.306	3.227	7.2	20.1
12 27	3 47.82	+19 35.2	2.433	3.277	10.2	20.2	12 27	3 46.00	+27 30.5	2.385	3.235	10.2	20.3
489046	2005 YF ₅₈		11 26.6 339°56	5°0/24.7	18		210303	2007 TP ₁₄₁		11 26.6 254°31	1°4/26.1	18	
10 18	4 35.97	+ 7 57.8</											

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11 26.6

11 26.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
21278	1996 <i>TG</i> ₆		11 26.6 219°72	3°6/27.9	18		342001	2008 <i>RJ</i> ₃₄		11 26.6 288°09	2°6/25.6	18	
10 18	4 44.91	+29 54.1	1.764	2.530	17.4	18.9	10 18	4 38.09	+17 34.9	1.621	2.423	17.2	20.8
10 28	4 40.35	+30 19.0	1.670	2.523	14.3	18.6	10 28	4 34.76	+16 55.7	1.531	2.413	13.7	20.5
11 7	4 32.50	+30 33.7	1.596	2.516	10.5	18.4	11 7	4 28.50	+16 11.0	1.462	2.402	9.6	20.3
11 17	4 21.94	+30 34.6	1.545	2.509	6.4	18.1	11 17	4 19.88	+15 23.4	1.416	2.391	5.1	20.0
11 27	4 9.85	+30 19.7	1.522	2.501	3.6	17.9	11 27	4 9.96	+14 36.9	1.398	2.381	2.7	19.8
12 7	3 57.75	+29 50.1	1.527	2.492	5.8	18.1	12 7	4 0.08	+13 56.3	1.406	2.370	6.4	20.0
12 17	3 47.16	+29 10.6	1.560	2.483	9.9	18.3	12 17	3 51.55	+13 26.2	1.442	2.360	11.0	20.2
12 27	3 39.30	+28 28.0	1.617	2.474	13.9	18.5	12 27	3 45.43	+13 9.9	1.500	2.349	15.2	20.5
145050	2005 <i>GN</i> ₇		11 26.6 132°72	2°3/25.9	18		191622	2004 <i>MK</i> ₈		11 26.6 143°99	0°7/26.9	18	
10 18	4 44.60	+15 44.8	1.800	2.582	16.5	20.5	10 18	4 43.24	+23 48.8	1.958	2.729	15.7	21.5
10 28	4 39.26	+15 32.1	1.727	2.596	13.1	20.3	10 28	4 38.18	+23 46.2	1.877	2.739	12.5	21.3
11 7	4 31.18	+15 18.3	1.675	2.609	9.1	20.1	11 7	4 30.46	+23 36.8	1.817	2.748	8.7	21.1
11 17	4 21.03	+15 4.8	1.648	2.622	4.8	19.9	11 17	4 20.70	+23 20.0	1.783	2.756	4.5	20.9
11 27	4 9.89	+14 53.7	1.650	2.633	2.3	19.8	11 27	4 9.94	+22 56.5	1.778	2.764	0.7	20.6
12 7	3 59.03	+14 47.2	1.682	2.645	5.7	20.0	12 7	3 59.39	+22 28.9	1.802	2.771	4.5	20.9
12 17	3 49.61	+14 47.5	1.742	2.655	9.8	20.3	12 17	3 50.21	+22 0.8	1.856	2.778	8.7	21.2
12 27	3 42.53	+14 56.4	1.826	2.665	13.4	20.5	12 27	3 43.28	+21 36.5	1.935	2.784	12.3	21.4
384766	2012 <i>KE</i> ₄₂		11 26.6 74°71	3°5/25.5	18		48146	2001 <i>FR</i> ₁₅₉		11 26.6 90°62	2°4/25.8	18	
10 18	4 43.00	+14 33.9	1.435	2.237	19.0	20.8	10 18	4 42.50	+17 19.5	1.530	2.327	18.2	18.8
10 28	4 38.43	+14 2.1	1.378	2.259	15.0	20.6	10 28	4 38.01	+16 48.3	1.465	2.343	14.4	18.6
11 7	4 30.77	+13 29.7	1.342	2.280	10.5	20.4	11 7	4 30.50	+16 13.4	1.420	2.359	10.0	18.4
11 17	4 20.82	+12 59.8	1.329	2.302	5.8	20.2	11 17	4 20.73	+15 37.4	1.400	2.375	5.2	18.1
11 27	4 9.90	+12 36.2	1.343	2.323	3.6	20.1	11 27	4 9.94	+15 3.6	1.407	2.390	2.5	18.0
12 7	3 59.49	+12 22.3	1.383	2.344	6.9	20.4	12 7	3 59.55	+14 36.1	1.441	2.405	6.2	18.3
12 17	3 50.86	+12 20.4	1.450	2.365	11.2	20.7	12 17	3 50.84	+14 18.4	1.502	2.420	10.7	18.6
12 27	3 44.92	+12 31.4	1.541	2.386	15.1	21.0	12 27	3 44.72	+14 12.7	1.587	2.435	14.6	18.9
101682	1999 <i>CN</i> ₁₁₀		11 26.6 199°71	1°1/26.0	18		412648	2014 <i>OC</i> ₁₈₉		11 26.6 114°22	4°1/28.7	18	
10 18	4 38.14	+20 21.7	2.381	3.155	13.2	20.2	10 18	4 40.89	+33 53.2	2.401	3.140	14.0	21.6
10 28	4 33.67	+19 46.7	2.286	3.152	10.4	20.1	10 28	4 36.14	+34 20.9	2.316	3.148	11.5	21.4
11 7	4 27.10	+19 6.0	2.215	3.149	7.2	19.8	11 7	4 28.97	+34 38.1	2.253	3.157	8.7	21.3
11 17	4 18.94	+18 21.0	2.170	3.145	3.6	19.6	11 17	4 19.94	+34 42.0	2.214	3.165	5.9	21.1
11 27	4 9.97	+17 34.1	2.155	3.141	1.1	19.4	11 27	4 9.98	+34 31.4	2.204	3.173	4.1	21.0
12 7	4 1.12	+16 48.6	2.171	3.136	4.3	19.7	12 7	4 0.16	+34 7.3	2.224	3.180	5.1	21.1
12 17	3 53.25	+16 8.1	2.216	3.131	7.9	19.9	12 17	3 51.51	+33 33.1	2.272	3.188	7.7	21.2
12 27	3 47.09	+15 35.6	2.288	3.126	11.1	20.1	12 27	3 44.87	+32 53.8	2.347	3.195	10.4	21.4
327541	2006 <i>BO</i> ₁₈₆		11 26.6 153°88	8°1/21.1	18		446006	2013 <i>CR</i> ₃₄		11 26.6 285°30	4°1/28.2	17	
10 18	4 34.57	- 9 43.4	3.125	3.849	11.3	21.2	10 18	4 40.77	+31 25.6	1.909	2.673	16.3	21.6
10 28	4 30.16	-10 53.2	3.063	3.857	10.0	21.1	10 28	4 37.03	+31 52.1	1.802	2.652	13.5	21.4
11 7	4 24.31	-11 52.6	3.024	3.864	8.8	21.0	11 7	4 30.23	+32 8.2	1.714	2.632	10.1	21.1
11 17	4 17.42	-12 37.2	3.010	3.871	8.1	21.0	11 17	4 20.86	+32 10.4	1.651	2.611	6.5	20.9
11 27	4 10.04	-13 3.5	3.022	3.878	8.2	21.0	11 27	4 9.94	+31 56.4	1.614	2.590	4.1	20.7
12 7	4 2.79	-13 9.8	3.060	3.884	9.0	21.1	12 7	3 58.84	+31 27.0	1.606	2.569	5.8	20.7
12 17	3 56.24	-12 56.2	3.123	3.890	10.2	21.2	12 17	3 49.00	+30 46.1	1.625	2.548	9.6	20.9
12 27	3 50.89	-12 24.3	3.208	3.895	11.4	21.3	12 27	3 41.61	+30 0.1	1.669	2.527	13.4	21.1
219005	2008 <i>TM</i> ₈₁		11 26.6 227°77	1°2/27.2	18		447630	2006 <i>UJ</i> ₂₆₃		11 26.6 95°10	0°3/26.7	18	
10 18	4 37.43	+25 23.7	2.702	3.462	12.1	21.1	10 18	4 40.28	+21 20.0	1.995	2.775	15.1	21.4
10 28	4 33.03	+25 30.2	2.600	3.455	9.7	20.9	10 28	4 35.86	+21 33.9	1.912	2.780	12.1	21.2
11 7	4 26.65	+25 31.0	2.522	3.448	6.9	20.7	11 7	4 28.90	+21 44.2	1.850	2.784	8.4	20.9
11 17	4 18.73	+25 25.4	2.470	3.440	3.7	20.5	11 17	4 19.96	+21 50.1	1.814	2.789	4.3	20.7
11 27	4 9.98	+25 13.6	2.448	3.433	1.2	20.3	11 27	4 9.98	+21 51.8	1.807	2.793	0.3	20.4
12 7	4 1.25	+24 56.8	2.456	3.425	3.6	20.5	12 7	4 0.12	+21 50.6	1.828	2.798	4.5	20.7
12 17	3 53.36	+24 37.4	2.495	3.416	6.8	20.7	12 17	3 51.47	+21 48.8	1.879	2.802	8.5	21.0
12 27	3 47.03	+24 18.2	2.560	3.408	9.7	20.8	12 27	3 44.92	+21 49.0	1.955	2.807	12.0	21.2
474850	2005 <i>SN</i> ₈₃		11 26.6 21°08	4°1/27.8	18		422191	2014 <i>RB</i> ₃₅		11 26.6 76°14	5°1/24.4	18	
10 18	4 38.84	+28 1.2	1.124	1.941	22.3	20.6	10 18	4 36.04	+ 7 6.2	2.190	2.973	13.9	20.9
10 28	4 36.74	+28 43.8	1.065	1.949	18.1	20.3	10 28	4 32.04	+ 6 26.8	2.113	2.977	11.2	20.7
11 7	4 30.55	+29 14.8	1.022	1.959	13.1	20.1	11 7	4 25.99	+ 5 51.3	2.058	2.981	8.4	20.5
11 17	4 21.06	+29 29.8	1.000	1.970	7.8	19.8	11 17	4 18.40	+ 5 23.2	2.029	2.985	5.9	20.4
11 27	4 9.89	+29 26.5	1.000	1.982	4.1	19.7	11 27	4 10.05	+ 5 6.1	2.028	2.988	5.2	20.3
12 7	3 59.12	+29 7.1	1.025	1.995	6.9	19.9	12 7	4 1.84	+ 5 2.2	2.055	2.992	7.0	20.5
12 17	3 50.60	+28 37.9	1.074	2.010	11.9	20.2	12 17	3 54.62	+ 5 12.7	2.110	2.996	9.7	20.6
12 27	3 45.60	+28 7.0	1.144	2.025	16.5	20.5	12 27	3 49.09	+ 5 37.1	2.189	3.000	12.5	20.8
354494	2004 <i>FX</i> ₁₅₈		11 26.6 260°18	5°9/24.8	18		264294	1998 <i>TH</i> ₁₀		11 26.6 344°14	0°1/26.7	17	
10 18	4 39.06	+ 5 1.1	1.975	2.756	15.2	20.5	10 18	4 35.44	+21 51.7	1.871	2.665	15.5	20.6
10 28	4 34.77	+ 4 36.5	1.890	2.751	12.5	20.3	10 28	4 32.33	+21 50.6	1.782	2.658	12.4	20.4
11 7	4 28.07	+ 4 18.5	1.826	2.746	9.4	20.1	11 7	4 26.63	+21 44.1	1.714	2.651	8.6	20.2
11 17	4 19.51	+ 4 10.9	1.788	2.741	6.8	20.0	11 17	4 18.88	+21 32.4	1.670	2.646	4.4	19.9
11 27	4 9.96	+ 4 17.0	1.776	2.736	6.0	19.9	11 27	4 10.03	+21 16.5	1.654	2.640	0.2	19.6
12 7	4 0.47	+ 4 38.6	1.793	2.731	7.9	20.0	12 7	4 1.22	+20 58.7	1.666	2.636	4.7	19.9
12 17	3 52.05	+ 5 16.0	1.837	2.725	10.9	20.2	12 17	3 53.60	+20 42.1	1.705	2.632	8.9	20.2
12 27	3 45.58	+ 6 7.6	1.906	2.720	13.9	20.4	12 27	3 48.08	+20 30.1	1.769	2.629	12.7	20.4
41265	1999 <i>XG</i> ₅₈		11 26.6 63°55	1°8/26.2	18		12191	Vorontsova					

EPHEMERIDES

11 26.6

11 26.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
77125	2001 <i>DC</i> ₈₉		11 26.6	89°98	2°6/25.4	18	321355	2009 <i>LJ</i> ₆		11 26.7	102°44	1°9/27.5	18
10 18	4 36.00	+14 34.8	2.278	3.063	13.3	19.6	10 18	4 46.21	+27 31.1	1.632	2.406	18.2	21.0
10 28	4 31.98	+14 5.1	2.197	3.068	10.6	19.4	10 28	4 40.96	+27 25.1	1.566	2.427	14.6	20.8
11 7	4 25.93	+13 34.3	2.139	3.073	7.4	19.2	11 7	4 32.55	+27 7.8	1.519	2.447	10.3	20.6
11 17	4 18.37	+13 4.6	2.107	3.078	4.2	19.0	11 17	4 21.78	+26 37.7	1.497	2.467	5.6	20.4
11 27	4 10.06	+12 38.6	2.104	3.083	2.7	18.9	11 27	4 9.99	+25 56.0	1.502	2.486	1.9	20.2
12 7	4 1.89	+12 18.9	2.130	3.088	5.1	19.1	12 7	3 58.68	+25 6.7	1.536	2.505	5.1	20.5
12 17	3 54.71	+12 7.6	2.185	3.093	8.4	19.3	12 17	3 49.20	+24 15.7	1.597	2.523	9.5	20.8
12 27	3 49.20	+12 6.2	2.266	3.098	11.3	19.5	12 27	3 42.48	+23 29.2	1.684	2.541	13.4	21.0
520749	2014 <i>RF</i> ₆₅		11 26.6	11°20	5°3/24.8	18	216508	2000 <i>RJ</i> ₁₀₆		11 26.7	0°61	0°2/26.6	18
10 18	4 36.56	+ 6 17.0	2.079	2.863	14.5	20.7	10 18	4 35.14	+24 37.8	1.062	1.895	22.2	19.6
10 28	4 32.62	+ 5 51.4	2.000	2.864	11.7	20.5	10 28	4 33.87	+23 57.8	0.994	1.892	17.8	19.3
11 7	4 26.49	+ 5 31.2	1.942	2.865	8.8	20.3	11 7	4 28.62	+23 2.0	0.943	1.891	12.5	19.0
11 17	4 18.69	+ 5 19.7	1.910	2.866	6.2	20.2	11 17	4 20.15	+21 51.8	0.912	1.890	6.3	18.7
11 27	4 10.05	+ 5 20.1	1.906	2.868	5.4	20.1	11 27	4 10.04	+20 32.4	0.904	1.891	0.4	18.2
12 7	4 1.53	+ 5 34.2	1.930	2.870	7.2	20.2	12 7	4 0.26	+19 12.8	0.921	1.893	6.8	18.7
12 17	3 54.04	+ 6 2.2	1.981	2.871	10.1	20.4	12 17	3 52.59	+18 2.4	0.960	1.896	12.9	19.1
12 27	3 48.33	+ 6 43.3	2.056	2.874	12.9	20.6	12 27	3 48.31	+17 9.2	1.020	1.901	18.1	19.4
170320	2003 <i>SK</i> ₆₇		11 26.6	4°57	7°1/24.3	18	162438	2000 <i>GF</i> ₃		11 26.7	74°12	3°7/27.8	16
10 18	4 24.42	+12 34.7	0.897	1.766	22.4	18.8	10 18	4 52.68	+28 12.8	1.292	2.073	21.8	19.9
10 28	4 25.43	+11 17.6	0.847	1.764	17.9	18.5	10 28	4 46.76	+28 53.3	1.245	2.107	17.5	19.7
11 7	4 22.74	+ 9 59.2	0.812	1.766	13.0	18.2	11 7	4 36.85	+29 22.1	1.215	2.141	12.5	19.5
11 17	4 17.13	+ 8 48.6	0.797	1.770	8.5	18.0	11 17	4 23.98	+29 34.5	1.208	2.175	7.3	19.3
11 27	4 10.11	+ 7 56.1	0.802	1.777	7.3	18.0	11 27	4 9.92	+29 28.5	1.227	2.207	3.7	19.2
12 7	4 3.44	+ 7 28.9	0.829	1.788	10.6	18.2	12 7	3 56.70	+29 7.0	1.273	2.240	6.4	19.5
12 17	3 58.69	+ 7 29.8	0.875	1.801	15.3	18.5	12 17	3 45.99	+28 36.4	1.345	2.272	10.9	19.8
12 27	3 56.96	+ 7 57.2	0.940	1.817	19.6	18.8	12 27	3 38.83	+28 4.8	1.441	2.302	15.0	20.1
358233	2006 <i>SK</i> ₃₀₂		11 26.7	76°89	1°2/26.1	18	37296	2001 <i>BX</i> ₅₄		11 26.7	163°12	5°6/24.8	18
10 18	4 37.99	+20 16.6	1.903	2.692	15.5	21.0	10 18	4 41.17	+ 5 39.5	2.050	2.824	15.0	18.7
10 28	4 34.08	+19 45.5	1.821	2.695	12.3	20.8	10 28	4 36.24	+ 5 12.5	1.971	2.828	12.2	18.6
11 7	4 27.66	+19 8.4	1.761	2.698	8.5	20.6	11 7	4 28.99	+ 4 51.3	1.913	2.832	9.1	18.4
11 17	4 19.33	+18 26.7	1.726	2.701	4.3	20.3	11 17	4 19.97	+ 4 39.4	1.882	2.836	6.5	18.2
11 27	4 10.04	+17 43.5	1.719	2.704	1.2	20.1	11 27	4 10.06	+ 4 40.1	1.878	2.838	5.6	18.2
12 7	4 0.95	+17 2.4	1.741	2.707	5.0	20.4	12 7	4 0.29	+ 4 55.1	1.904	2.841	7.5	18.3
12 17	3 53.11	+16 27.5	1.791	2.711	9.1	20.6	12 17	3 51.64	+ 5 24.7	1.957	2.843	10.4	18.5
12 27	3 47.35	+16 2.0	1.866	2.714	12.7	20.9	12 27	3 44.92	+ 6 7.7	2.035	2.844	13.3	18.7
46414	2002 <i>GD</i> ₁₁₃		11 26.7	346°96	6°2/24.1	18	31505	1999 <i>CE</i> ₇₄		11 26.7	165°51	0°4/26.8	18
10 18	4 35.15	+ 5 50.9	1.935	2.727	15.1	18.7	10 18	4 42.27	+23 31.8	1.986	2.760	15.4	18.7
10 28	4 31.70	+ 5 2.0	1.856	2.724	12.3	18.6	10 28	4 37.45	+23 22.2	1.900	2.764	12.3	18.5
11 7	4 25.97	+ 4 17.7	1.799	2.721	9.4	18.4	11 7	4 30.00	+23 5.5	1.836	2.768	8.6	18.3
11 17	4 18.47	+ 3 42.9	1.766	2.719	6.9	18.2	11 17	4 20.53	+22 41.6	1.797	2.771	4.4	18.1
11 27	4 10.08	+ 3 21.9	1.760	2.717	6.4	18.2	11 27	4 10.04	+22 11.5	1.787	2.774	0.4	17.8
12 7	4 1.79	+ 3 17.7	1.781	2.715	8.2	18.3	12 7	3 59.72	+21 38.0	1.807	2.776	4.5	18.1
12 17	3 54.58	+ 3 31.6	1.829	2.713	11.1	18.5	12 17	3 50.69	+21 5.2	1.855	2.777	8.7	18.4
12 27	3 49.24	+ 4 2.6	1.900	2.712	14.0	18.7	12 27	3 43.86	+20 37.0	1.929	2.778	12.3	18.6
127324	2002 <i>JP</i> ₁₀₀		11 26.7	188°62	4°3/24.3	18	209862	2005 <i>JJ</i> ₃₇		11 26.7	258°07	4°5/28.8	18
10 18	4 38.99	+10 7.2	2.427	3.200	13.0	21.7	10 18	4 41.60	+34 38.9	2.013	2.762	16.0	20.3
10 28	4 34.18	+ 9 11.7	2.339	3.199	10.4	21.5	10 28	4 37.43	+34 51.2	1.913	2.751	13.4	20.1
11 7	4 27.39	+ 8 16.4	2.273	3.198	7.6	21.4	11 7	4 30.31	+34 49.8	1.833	2.740	10.2	19.9
11 17	4 19.10	+ 7 24.7	2.236	3.196	5.1	21.2	11 17	4 20.82	+34 31.3	1.776	2.729	6.9	19.6
11 27	4 10.06	+ 6 40.6	2.228	3.193	4.4	21.1	11 27	4 10.03	+33 54.2	1.747	2.718	4.6	19.5
12 7	4 1.13	+ 6 7.3	2.249	3.189	6.4	21.3	12 7	3 59.29	+33 0.5	1.746	2.706	5.8	19.5
12 17	3 53.12	+ 5 47.2	2.300	3.184	9.2	21.4	12 17	3 49.91	+31 55.1	1.773	2.695	9.1	19.7
12 27	3 46.73	+ 5 41.2	2.376	3.179	11.9	21.6	12 27	3 42.96	+30 45.6	1.827	2.683	12.5	19.9
133374	2003 <i>SM</i> ₁₄₈		11 26.7	185°29	2°4/25.7	18	222886	2002 <i>GM</i> ₉₁		11 26.7	135°95	3°3/24.9	18
10 18	4 37.44	+13 32.5	2.429	3.207	12.8	19.9	10 18	4 35.93	+13 29.3	2.300	3.085	13.2	20.6
10 28	4 33.05	+13 25.2	2.340	3.207	10.2	19.7	10 28	4 31.91	+12 42.3	2.218	3.088	10.5	20.4
11 7	4 26.67	+13 18.7	2.274	3.206	7.1	19.5	11 7	4 25.89	+11 54.1	2.159	3.091	7.4	20.3
11 17	4 18.77	+13 14.3	2.235	3.206	4.0	19.3	11 17	4 18.37	+11 7.5	2.126	3.094	4.5	20.1
11 27	4 10.08	+13 13.5	2.225	3.206	2.4	19.2	11 27	4 10.13	+10 26.0	2.123	3.098	3.4	20.0
12 7	4 1.45	+13 17.8	2.246	3.205	4.8	19.4	12 7	4 2.04	+ 9 52.9	2.148	3.100	5.6	20.2
12 17	3 53.72	+13 28.3	2.295	3.204	8.0	19.6	12 17	3 54.91	+ 9 30.6	2.203	3.103	8.7	20.4
12 27	3 47.60	+13 46.0	2.371	3.203	10.9	19.8	12 27	3 49.44	+ 9 20.5	2.282	3.106	11.6	20.6
293352	2007 <i>DS</i> ₁₀₉		11 26.7	52°27	0°2/26.8	18	338964	2004 <i>FX</i> ₃₃		11 26.7	216°92	3°6/28.2	18
10 18	4 37.85	+22 53.0	1.975	2.758	15.2	21.1	10 18	4 45.13	+31 26.8	2.028	2.778	15.9	21.9
10 28	4 33.92	+22 44.5	1.896	2.766	12.0	20.9	10 28	4 40.12	+31 43.1	1.927	2.770	13.1	21.7
11 7	4 27.52	+22 29.5	1.838	2.773	8.4	20.7	11 7	4 32.14	+31 48.5	1.847	2.761	9.7	21.5
11 17	4 19.25	+22 8.4	1.806	2.780	4.2	20.5	11 17	4 21.75	+31 39.7	1.791	2.751	6.1	21.2
11 27	4 10.06	+21 42.6	1.801	2.788	0.3	20.2	11 27	4 10.01	+31 15.1	1.764	2.740	3.6	21.1
12 7	4 1.07	+21 14.6	1.826	2.796	4.4	20.5	12 7	3 58.27	+30 36.3	1.765	2.729	5.4	21.2
12 17	3 53.31	+20 48.0	1.879	2.804	8.4	20.8	12 17	3 47.87	+29 47.8	1.796	2.717	9.0	21.3
12 27	3 47.61	+20 26.2	1.958	2.812	11.9	21.0	12 27	3 39.90	+28 56.0	1.853	2.704	12.6	21.5
41362	2000 <i>AJ</i> ₈₁		11 26.7	30°67	4°6/25.0	18 R	144711	2					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
263223	2008 <i>AF</i> ₄₅		11 26.7 258°16	0°4/26.5	18		515057	2010 <i>JU</i> ₁₁₅		11 26.7 114°14	6°0/23.9	18	
10 18	4 39.08	+20 21.4	2.080	2.860	14.6	21.4	10 18	4 39.58	+ 4 33.4	2.244	3.015	13.9	21.9
10 28	4 34.97	+20 19.8	1.982	2.850	11.7	21.2	10 28	4 34.60	+ 3 36.6	2.182	3.035	11.4	21.8
11 7	4 28.37	+20 14.5	1.905	2.840	8.1	20.9	11 7	4 27.62	+ 2 45.2	2.143	3.055	8.7	21.7
11 17	4 19.80	+20 5.3	1.854	2.829	4.1	20.7	11 17	4 19.22	+ 2 3.4	2.130	3.074	6.6	21.6
11 27	4 10.12	+19 53.4	1.832	2.818	0.5	20.4	11 27	4 10.21	+ 1 35.1	2.145	3.092	6.1	21.6
12 7	4 0.43	+19 40.6	1.839	2.808	4.6	20.7	12 7	4 1.47	+ 1 22.9	2.189	3.110	7.7	21.7
12 17	3 51.78	+19 29.5	1.875	2.797	8.6	20.9	12 17	3 53.81	+ 1 27.4	2.260	3.128	10.0	21.9
12 27	3 45.12	+19 23.0	1.936	2.785	12.3	21.1	12 27	3 47.87	+ 1 47.7	2.356	3.144	12.4	22.1
327059	2004 <i>TG</i> ₁₄₉		11 26.7 37°97	6°0/29.0	17		212749	2007 <i>TM</i> ₄		11 26.7 83°97	3°1/25.7	17	
10 18	4 43.21	+37 4.5	2.249	2.978	15.1	21.8	10 18	4 43.35	+16 27.0	1.324	2.132	20.0	21.1
10 28	4 38.55	+38 4.2	2.159	2.978	12.7	21.6	10 28	4 39.18	+15 50.9	1.263	2.146	15.9	20.8
11 7	4 31.05	+38 53.0	2.089	2.978	10.1	21.4	11 7	4 31.61	+15 11.7	1.220	2.161	11.0	20.6
11 17	4 21.22	+39 26.2	2.044	2.978	7.5	21.3	11 17	4 21.46	+14 32.4	1.201	2.176	5.9	20.4
11 27	4 10.08	+39 40.3	2.027	2.979	6.1	21.2	11 27	4 10.13	+13 57.3	1.208	2.190	3.2	20.2
12 7	3 58.91	+39 34.8	2.037	2.979	6.7	21.2	12 7	3 59.26	+13 31.0	1.241	2.204	7.1	20.5
12 17	3 49.00	+39 12.5	2.075	2.979	9.0	21.4	12 17	3 50.29	+13 17.1	1.299	2.218	11.9	20.8
12 27	3 41.41	+38 39.1	2.139	2.979	11.6	21.5	12 27	3 44.25	+13 17.7	1.380	2.232	16.1	21.1
264787	2002 <i>MW</i> ₁		11 26.7 74°04	0°7/26.9	18		491489	2012 <i>HU</i> ₅₇		11 26.7 206°88	0°4/26.9	18	
10 18	4 47.09	+25 4.6	1.418	2.205	19.9	20.9	10 18	4 37.94	+22 28.4	2.734	3.497	11.9	22.1
10 28	4 41.77	+24 45.3	1.366	2.237	15.7	20.7	10 28	4 33.39	+22 34.7	2.635	3.493	9.5	21.9
11 7	4 33.09	+24 15.3	1.334	2.268	10.9	20.5	11 7	4 26.92	+22 37.0	2.560	3.489	6.6	21.8
11 17	4 22.03	+23 34.8	1.325	2.299	5.6	20.3	11 17	4 18.96	+22 35.1	2.511	3.484	3.4	21.5
11 27	4 10.06	+22 46.4	1.343	2.330	0.7	20.0	11 27	4 10.21	+22 29.3	2.493	3.479	0.4	21.3
12 7	3 58.84	+21 55.2	1.389	2.360	5.4	20.4	12 7	4 1.49	+22 20.8	2.506	3.474	3.5	21.5
12 17	3 49.71	+21 7.3	1.463	2.389	10.2	20.8	12 17	3 53.58	+22 11.3	2.548	3.469	6.7	21.7
12 27	3 43.54	+20 28.3	1.560	2.418	14.2	21.1	12 27	3 47.18	+22 3.4	2.619	3.463	9.6	21.9
391250	2006 <i>QX</i> ₉₆		11 26.7 92°81	7°2/23.7	18		154324	2002 <i>VS</i> ₄₈		11 26.7 15°04	2°7/25.7	18	
10 18	4 38.94	+ 2 36.4	2.016	2.792	15.1	21.0	10 18	4 31.76	+19 6.9	1.118	1.958	20.9	18.1
10 28	4 34.31	+ 1 32.8	1.958	2.812	12.4	20.8	10 28	4 30.59	+18 17.4	1.065	1.968	16.5	17.9
11 7	4 27.51	+ 0 36.6	1.923	2.832	9.7	20.7	11 7	4 25.94	+17 20.5	1.030	1.980	11.4	17.6
11 17	4 19.17	- 0 7.0	1.913	2.851	7.7	20.6	11 17	4 18.68	+16 20.6	1.016	1.994	5.9	17.4
11 27	4 10.17	- 0 33.6	1.930	2.870	7.3	20.6	11 27	4 10.22	+15 24.0	1.025	2.010	2.8	17.3
12 7	4 1.48	- 0 40.6	1.974	2.889	8.8	20.8	12 7	4 2.24	+14 37.2	1.059	2.027	7.1	17.6
12 17	3 53.97	- 0 27.8	2.045	2.907	11.2	21.0	12 17	3 56.13	+14 5.4	1.116	2.046	12.2	17.9
12 27	3 48.32	+ 0 3.1	2.139	2.925	13.6	21.2	12 27	3 52.88	+13 51.3	1.194	2.067	16.6	18.2
33566	1999 <i>JZ</i> ₂₅		11 26.7 345°67	3°7/24.9	18		323190	2003 <i>QL</i> ₁₀		11 26.7 47°98	2°1/28.1	18	
10 18	4 34.44	+19 11.9	1.309	2.132	19.3	17.7	10 18	4 39.16	+31 40.3	2.058	2.818	15.4	19.4
10 28	4 32.46	+17 49.0	1.231	2.125	15.4	17.4	10 28	4 34.87	+30 55.8	1.978	2.829	12.4	19.2
11 7	4 27.21	+16 14.1	1.172	2.118	10.8	17.2	11 7	4 28.09	+29 56.5	1.919	2.840	8.9	19.0
11 17	4 19.35	+14 32.4	1.136	2.112	5.9	16.9	11 17	4 19.53	+28 42.5	1.885	2.852	5.1	18.8
11 27	4 10.16	+12 52.3	1.126	2.107	3.9	16.7	11 27	4 10.21	+27 16.4	1.881	2.864	2.1	18.6
12 7	4 1.17	+11 23.3	1.142	2.103	7.9	17.0	12 7	4 1.28	+25 43.4	1.907	2.876	4.3	18.8
12 17	3 53.83	+10 13.4	1.182	2.100	12.9	17.2	12 17	3 53.72	+24 10.3	1.962	2.888	8.0	19.0
12 27	3 49.22	+ 9 27.3	1.243	2.098	17.3	17.5	12 27	3 48.30	+22 43.7	2.044	2.901	11.4	19.3
348050	2003 <i>UZ</i> ₁₇₆		11 26.7 335°13	1°9/27.6	17		78728	2002 <i>TK</i> ₃₃₃		11 26.7 304°63	7°6/29.9	17	
10 18	4 35.23	+27 58.6	1.939	2.720	15.5	20.6	10 18	4 41.26	+40 5.4	1.790	2.531	18.0	18.9
10 28	4 32.24	+27 50.0	1.844	2.710	12.5	20.3	10 28	4 38.08	+40 43.3	1.687	2.511	15.5	18.7
11 7	4 26.63	+27 30.8	1.769	2.699	9.0	20.1	11 7	4 31.36	+41 4.6	1.602	2.491	12.6	18.5
11 17	4 18.96	+27 0.0	1.719	2.690	5.1	19.8	11 17	4 21.64	+41 3.2	1.539	2.472	9.6	18.2
11 27	4 10.17	+26 18.4	1.696	2.680	1.9	19.6	11 27	4 10.13	+40 34.5	1.500	2.453	7.7	18.1
12 7	4 1.45	+25 29.3	1.702	2.672	4.6	19.8	12 7	3 58.53	+39 38.7	1.488	2.434	8.3	18.1
12 17	3 53.93	+24 37.2	1.735	2.664	8.7	20.0	12 17	3 48.53	+38 21.1	1.501	2.415	11.0	18.2
12 27	3 48.54	+23 47.8	1.793	2.657	12.4	20.2	12 27	3 41.49	+36 51.6	1.539	2.397	14.4	18.3
328095	2007 <i>YJ</i> ₇₂		11 26.7 190°79	0°6/26.5	18		307431	2002 <i>TO</i> ₃₀₄		11 26.7 125°92	1°2/27.2	18	
10 18	4 44.13	+19 19.1	1.616	2.405	17.8	21.1	10 18	4 43.42	+24 9.3	2.228	2.990	14.3	21.6
10 28	4 39.63	+19 28.8	1.532	2.405	14.2	20.8	10 28	4 38.05	+24 29.7	2.149	3.004	11.4	21.5
11 7	4 31.97	+19 35.8	1.468	2.404	9.9	20.6	11 7	4 30.28	+24 44.9	2.091	3.018	8.0	21.3
11 17	4 21.73	+19 39.9	1.428	2.403	5.0	20.3	11 17	4 20.69	+24 53.6	2.060	3.031	4.3	21.1
11 27	4 10.09	+19 41.2	1.415	2.402	0.6	20.0	11 27	4 10.18	+24 55.3	2.059	3.044	1.2	20.9
12 7	3 58.52	+19 41.5	1.431	2.400	5.5	20.3	12 7	3 59.85	+24 51.1	2.088	3.056	4.1	21.1
12 17	3 48.44	+19 43.3	1.474	2.398	10.3	20.6	12 17	3 50.71	+24 43.3	2.147	3.068	7.7	21.3
12 27	3 41.01	+19 49.7	1.541	2.395	14.6	20.9	12 27	3 43.58	+24 35.4	2.232	3.079	10.9	21.6
292597	2006 <i>TO</i> ₁₀₆		11 26.7 357°49	0°1/26.7	18		474968	2005 <i>TL</i> ₆₁		11 26.7 343°67	4°4/27.8	18	
10 18	4 32.89	+20 10.0	0.963	1.811	22.8	20.0	10 18	4 34.80	+28 3.7	1.136	1.958	21.7	20.2
10 28	4 32.51	+20 27.7	0.898	1.805	18.3	19.7	10 28	4 33.97	+28 48.6	1.057	1.945	17.9	19.9
11 7	4 28.03	+20 41.1	0.848	1.800	12.9	19.4	11 7	4 29.10	+29 23.4	0.994	1.933	13.2	19.6
11 17	4 20.07	+20 50.1	0.818	1.797	6.5	19.0	11 17	4 20.70	+29 43.5	0.951	1.922	8.0	19.3
11 27	4 10.15	+20 55.1	0.810	1.797	0.2	18.6	11 27	4 10.17	+29 45.4	0.931	1.912	4.5	19.0
12 7	4 0.36	+20 58.3	0.824	1.798	7.0	19.1	12 7	3 59.53	+29 29.9	0.934	1.905	7.3	19.2
12 17	3 52.68	+21 3.5	0.859	1.801	13.2	19.4	12 17	3 50.85	+29 2.0	0.960	1.898	12.6	19.5
12 27	3 48.60	+21 14.6	0.914	1.806	18.6	19.7	12 27	3 45.72	+28 30.4	1.006	1.894	17.6	19.7
18018	1999 <i>JR</i> ₁₂₅		11 26.7 317°24	4°3/27.8	18	R							

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
38410	1999 RT ₂₀₈	11 26.7 137°51' 1.6°/25.8 18					484583	2008 QR ₄₂	11 26.7 82°44' 9.4°/ 2.4 17				
10 18	4 36.96	+18 57.4	2.336	3.115	13.2	19.2	10 18	4 48.47	+50 25.5	2.424	3.078	15.8	21.3
10 28	4 32.75	+18 15.5	2.251	3.120	10.4	19.0	10 28	4 43.19	+51 35.8	2.348	3.089	14.1	21.2
11 7	4 26.50	+17 28.8	2.190	3.125	7.2	18.8	11 7	4 34.50	+52 28.7	2.290	3.100	12.3	21.1
11 17	4 18.74	+16 39.3	2.155	3.129	3.7	18.6	11 17	4 23.05	+52 57.9	2.253	3.111	10.6	21.0
11 27	4 10.25	+15 49.8	2.150	3.134	1.7	18.5	11 27	4 10.14	+52 58.7	2.241	3.123	9.6	21.0
12 7	4 1.94	+15 3.8	2.175	3.138	4.6	18.7	12 7	3 57.41	+52 30.7	2.254	3.134	9.6	21.0
12 17	3 54.63	+14 24.7	2.229	3.142	8.0	18.9	12 17	3 46.41	+51 37.9	2.292	3.145	10.5	21.1
12 27	3 49.01	+13 55.1	2.309	3.146	11.0	19.1	12 27	3 38.32	+50 27.7	2.354	3.156	12.0	21.2
23870	1998 RW ₇₅	11 26.7 279°51' 0°3'/26.5 18					164622	1993 FN ₅	11 26.7 272°96' 3°4'/25.3 18				
10 18	4 37.02	+20 42.3	2.287	3.066	13.5	18.4	10 18	4 38.13	+14 20.6	1.815	2.610	15.9	20.5
10 28	4 33.13	+20 37.3	2.185	3.053	10.8	18.2	10 28	4 34.46	+13 44.0	1.724	2.600	12.7	20.3
11 7	4 27.01	+20 28.1	2.106	3.040	7.5	18.0	11 7	4 28.16	+13 5.5	1.655	2.591	9.0	20.1
11 17	4 19.12	+20 15.2	2.052	3.027	3.8	17.7	11 17	4 19.77	+12 28.0	1.610	2.582	5.2	19.8
11 27	4 10.25	+19 59.5	2.027	3.014	0.4	17.4	11 27	4 10.25	+11 55.1	1.593	2.572	3.5	19.7
12 7	4 1.35	+19 43.0	2.032	3.000	4.2	17.7	12 7	4 0.76	+11 30.8	1.605	2.563	6.5	19.9
12 17	3 53.38	+19 28.2	2.066	2.987	8.0	17.9	12 17	3 52.45	+11 18.0	1.643	2.553	10.5	20.1
12 27	3 47.16	+19 17.7	2.126	2.974	11.4	18.1	12 27	3 46.27	+11 18.5	1.705	2.544	14.2	20.3
452919	2006 VF ₁₃₆	11 26.7 24°57' 0°5'/26.9 18					323199	2003 QV ₇₅	11 26.7 39°54' 9°3'/22.4 18				
10 18	4 39.22	+22 12.6	1.808	2.596	16.2	21.2	10 18	4 34.84	- 0 13.6	1.801	2.589	16.2	19.9
10 28	4 35.39	+22 24.9	1.727	2.599	12.9	21.0	10 28	4 31.37	- 1 52.1	1.753	2.608	13.6	19.8
11 7	4 28.81	+22 32.4	1.667	2.602	9.0	20.8	11 7	4 25.64	- 3 20.4	1.728	2.628	11.2	19.7
11 17	4 20.08	+22 34.3	1.631	2.606	4.6	20.5	11 17	4 18.31	- 4 31.4	1.726	2.648	9.5	19.6
11 27	4 10.22	+22 31.1	1.623	2.610	0.6	20.2	11 27	4 10.31	- 5 18.7	1.749	2.669	9.5	19.7
12 7	4 0.48	+22 24.2	1.643	2.614	4.7	20.6	12 7	4 2.64	- 5 39.4	1.798	2.690	10.9	19.8
12 17	3 52.06	+22 16.4	1.691	2.618	9.0	20.8	12 17	3 56.21	- 5 33.4	1.870	2.712	13.0	20.0
12 27	3 45.91	+22 11.2	1.764	2.623	12.8	21.1	12 27	3 51.68	- 5 3.5	1.964	2.734	15.2	20.2
44078	1998 FB ₇₀	11 26.7 167°12' 2°8'/25.7 18					367804	2011 AN ₃₆	11 26.7 222°28' 2°5'/28.0 17				
10 18	4 42.73	+15 45.0	1.767	2.554	16.5	20.3	10 18	4 38.23	+30 1.6	2.359	3.115	13.7	21.3
10 28	4 38.02	+15 15.0	1.686	2.558	13.2	20.0	10 28	4 34.06	+30 1.6	2.265	3.114	11.2	21.1
11 7	4 30.54	+14 42.7	1.626	2.561	9.2	19.8	11 7	4 27.60	+29 51.8	2.193	3.113	8.1	20.9
11 17	4 20.91	+14 10.2	1.591	2.564	5.0	19.6	11 17	4 19.39	+29 30.9	2.147	3.111	4.9	20.7
11 27	4 10.20	+13 40.8	1.585	2.566	2.9	19.4	11 27	4 10.27	+28 59.1	2.129	3.110	2.5	20.6
12 7	3 59.66	+13 17.9	1.607	2.568	6.1	19.7	12 7	4 1.27	+28 18.5	2.141	3.108	4.2	20.7
12 17	3 50.50	+13 4.6	1.657	2.569	10.3	19.9	12 17	3 53.34	+27 32.9	2.183	3.107	7.5	20.9
12 27	3 43.65	+13 2.9	1.731	2.570	14.0	20.1	12 27	3 47.29	+26 46.9	2.251	3.105	10.6	21.1
26861	1993 FO ₂₀	11 26.7 198°50' 1°8'/26.1 18					471200	2010 SB ₂₃	11 26.7 51°38' 4°4'/27.9 17				
10 18	4 41.66	+17 48.7	1.749	2.538	16.6	19.3	10 18	4 45.96	+28 53.1	1.121	1.926	23.1	20.9
10 28	4 37.35	+17 31.7	1.663	2.537	13.2	19.1	10 28	4 42.31	+29 35.1	1.070	1.946	18.7	20.7
11 7	4 30.20	+17 11.3	1.598	2.535	9.2	18.9	11 7	4 34.34	+30 4.1	1.035	1.967	13.6	20.4
11 17	4 20.80	+16 48.8	1.558	2.533	4.8	18.6	11 17	4 23.02	+30 15.0	1.020	1.988	8.1	20.2
11 27	4 10.20	+16 26.6	1.546	2.530	1.8	18.4	11 27	4 10.16	+30 5.6	1.030	2.010	4.4	20.1
12 7	3 59.70	+16 7.5	1.562	2.527	5.6	18.6	12 7	3 57.96	+29 38.8	1.064	2.033	7.0	20.3
12 17	3 50.55	+15 54.8	1.605	2.524	10.0	18.9	12 17	3 48.31	+29 2.0	1.123	2.055	11.9	20.6
12 27	3 43.74	+15 51.2	1.674	2.520	14.0	19.1	12 27	3 42.40	+28 24.1	1.203	2.078	16.3	21.0
205133	1999 VK ₁₇₁	11 26.7 8°23' 2°2'/27.1 18					92318	2000 GW ₂₅	11 26.7 107°93' 0°0'/26.7 17				
10 18	4 44.53	+22 56.8	1.677	2.459	17.5	19.9	10 18	4 45.86	+22 12.1	1.433	2.226	19.5	20.3
10 28	4 40.09	+23 57.7	1.593	2.459	14.1	19.7	10 28	4 41.16	+22 6.5	1.366	2.240	15.5	20.1
11 7	4 32.42	+24 56.9	1.529	2.460	10.0	19.4	11 7	4 33.02	+21 53.8	1.317	2.254	10.8	19.8
11 17	4 22.06	+25 50.9	1.489	2.461	5.5	19.2	11 17	4 22.23	+21 33.7	1.292	2.268	5.4	19.6
11 27	4 10.15	+26 36.4	1.478	2.462	2.2	19.0	11 27	4 10.19	+21 7.6	1.294	2.281	0.2	19.2
12 7	3 58.19	+27 11.8	1.495	2.463	5.4	19.2	12 7	3 58.55	+20 39.1	1.324	2.294	5.7	19.7
12 17	3 47.68	+27 38.1	1.539	2.464	9.9	19.4	12 17	3 48.79	+20 13.0	1.380	2.306	10.7	20.0
12 27	3 39.83	+27 58.8	1.609	2.466	13.9	19.7	12 27	3 42.00	+19 53.9	1.460	2.318	15.0	20.3
488699	2003 XG ₃₀	11 26.7 290°32' 0°2'/26.8 17					142630	2002 TV ₁₇₅	11 26.7 349°62' 3°3'/25.0 18				
10 18	4 36.32	+25 32.3	2.351	3.122	13.4	21.6	10 18	4 36.37	+17 1.6	1.718	2.520	16.4	19.7
10 28	4 32.47	+24 48.8	2.247	3.109	10.7	21.4	10 28	4 33.10	+15 56.7	1.637	2.518	13.0	19.4
11 7	4 26.46	+23 55.1	2.165	3.097	7.5	21.2	11 7	4 27.19	+14 45.7	1.576	2.516	9.1	19.2
11 17	4 18.79	+22 52.0	2.111	3.084	3.8	20.9	11 17	4 19.25	+13 32.4	1.541	2.514	5.1	19.0
11 27	4 10.27	+21 42.1	2.085	3.072	0.2	20.6	11 27	4 10.29	+12 22.3	1.533	2.513	3.4	18.9
12 7	4 1.83	+20 29.4	2.090	3.060	4.0	20.9	12 7	4 1.51	+11 21.3	1.553	2.512	6.6	19.1
12 17	3 54.38	+19 18.9	2.125	3.047	7.8	21.1	12 17	3 54.03	+10 34.3	1.600	2.511	10.6	19.3
12 27	3 48.68	+18 15.3	2.187	3.035	11.1	21.3	12 27	3 48.74	+10 4.2	1.671	2.511	14.3	19.5
30978	1995 MO ₅	11 26.7 39°53' 5°0'/24.7 18					23991	1999 RD ₃	11 26.7 3°48' 1°8'/26.1 18				
10 18	4 36.68	+10 31.9	1.718	2.519	16.4	18.3	10 18	4 36.43	+19 43.2	1.147	1.976	21.1	17.7
10 28	4 33.15	+ 9 43.0	1.650	2.528	13.1	18.1	10 28	4 34.56	+19 15.9	1.078	1.975	16.9	17.4
11 7	4 27.08	+ 8 55.9	1.604	2.537	9.5	17.9	11 7	4 28.97	+18 41.2	1.027	1.975	11.7	17.2
11 17	4 19.12	+ 8 14.7	1.582	2.547	6.2	17.7	11 17	4 20.39	+18 1.3	0.998	1.975	6.0	16.8
11 27	4 10.27	+ 7 44.2	1.587	2.557	5.1	17.7	11 27	4 10.25	+17 20.4	0.991	1.977	1.9	16.6
12 7	4 1.67	+ 7 27.7	1.619	2.568	7.5	17.8	12 7	4 0.35	+16 44.1	1.010	1.980	7.0	16.9
12 17	3 54.37	+ 7 27.1	1.678	2.579	10.9	18.1	12 17	3 52.38	+16 18.0	1.052	1.984	12.6	17.2
12 27	3 49.19	+ 7 42.4	1.760	2.590	14.2	18.3	12 27	3 47.55	+16 6.1	1.115	1.988	17.4	17.5
54700	2001 FE ₁₄₃	11 26.7 109°56' 5°2'/25.0 18					341965	2008 QV ₆	11 26.7 64°10' 4°2'/28.3 18				
10 18	4 43.46	+ 9 12.4	1.720	2.506	17.0	19.7	10 18	4 43.76	+30 57.4	1.530	2.307	19.1	20.5
10 28	4 38.34	+ 8 33.3	1.657	2.525	13.6	19.5	10 28	4 39.64	+31 24.3	1			

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
287283	2002 <i>TH</i> ₁₇₇		11 26.7	42°37'	9°1'/24.8	18	343324	2010 <i>CE</i> ₃		11 26.7	334°51'	3°6'/25.5	18
10 18	4 39.84	- 1 14.7	1.603	2.387	18.1	19.4	10 18	4 39.05	+13 50.8	1.582	2.385	17.5	21.2
10 28	4 35.69	- 1 52.1	1.547	2.401	15.1	19.2	10 28	4 35.53	+13 24.6	1.502	2.382	14.0	21.0
11 7	4 28.84	- 2 15.8	1.509	2.414	12.1	19.0	11 7	4 29.08	+12 57.9	1.442	2.380	9.9	20.7
11 17	4 20.01	- 2 20.0	1.495	2.429	9.8	18.9	11 17	4 20.31	+12 33.8	1.406	2.378	5.7	20.5
11 27	4 10.28	- 2 0.6	1.505	2.443	9.1	18.9	11 27	4 10.31	+12 15.8	1.396	2.376	3.7	20.3
12 7	4 0.88	- 1 16.8	1.541	2.459	10.6	19.1	12 7	4 0.42	+12 7.1	1.413	2.374	6.9	20.5
12 17	3 52.92	- 0 10.9	1.602	2.474	13.2	19.3	12 17	3 51.93	+12 10.0	1.457	2.372	11.2	20.8
12 27	3 47.26	+ 1 12.6	1.686	2.490	15.9	19.5	12 27	3 45.86	+12 25.8	1.524	2.371	15.1	21.0
134655	1999 <i>VR</i> ₅₁		11 26.7	36°16'	4°1'/27.8	18	385302	2001 <i>UQ</i> ₂₂₈		11 26.7	27°27'	4°5'/25.4	16
10 18	4 42.54	+28 6.6	1.100	1.913	22.9	19.1	10 18	4 37.93	+13 13.0	1.243	2.066	20.2	21.1
10 28	4 39.70	+28 50.0	1.047	1.929	18.5	18.9	10 28	4 35.16	+12 38.2	1.183	2.074	16.1	20.8
11 7	4 32.62	+29 21.2	1.011	1.946	13.4	18.6	11 7	4 29.03	+12 4.0	1.141	2.084	11.4	20.6
11 17	4 22.20	+29 35.6	0.995	1.965	8.0	18.4	11 17	4 20.30	+11 34.7	1.121	2.094	6.7	20.4
11 27	4 10.21	+29 30.9	1.003	1.984	4.2	18.3	11 27	4 10.33	+11 14.8	1.126	2.105	4.6	20.3
12 7	3 58.78	+29 9.9	1.035	2.004	6.9	18.5	12 7	4 0.73	+11 8.3	1.156	2.117	8.0	20.5
12 17	3 49.78	+28 39.1	1.090	2.025	11.9	18.8	12 17	3 52.91	+11 17.0	1.210	2.130	12.5	20.8
12 27	3 44.44	+28 7.1	1.168	2.047	16.4	19.2	12 27	3 47.94	+11 41.2	1.286	2.143	16.7	21.1
441809	2009 <i>HV</i> ₄₈		11 26.7	80°93'	1°3'/26.2	18	215172	2000 <i>GQ</i> ₆₇		11 26.7	248°17'	1°5'/26.0	18
10 18	4 40.54	+17 14.1	1.979	2.762	15.1	20.9	10 18	4 38.47	+18 27.2	2.100	2.882	14.4	20.8
10 28	4 35.93	+17 14.9	1.907	2.777	12.0	20.7	10 28	4 34.42	+18 3.3	2.002	2.873	11.5	20.6
11 7	4 28.88	+17 14.4	1.857	2.792	8.3	20.5	11 7	4 27.99	+17 35.3	1.927	2.863	8.0	20.4
11 17	4 20.02	+17 13.1	1.832	2.807	4.2	20.3	11 17	4 19.69	+17 4.6	1.878	2.852	4.1	20.1
11 27	4 10.29	+17 12.2	1.837	2.822	1.4	20.2	11 27	4 10.36	+16 33.3	1.857	2.842	1.6	19.9
12 7	4 0.78	+17 13.3	1.870	2.836	4.8	20.4	12 7	4 1.04	+16 4.6	1.866	2.831	4.9	20.1
12 17	3 52.51	+17 18.1	1.932	2.851	8.6	20.7	12 17	3 52.77	+15 41.5	1.903	2.820	8.9	20.3
12 27	3 46.29	+17 28.3	2.020	2.865	12.0	20.9	12 27	3 46.41	+15 26.9	1.966	2.808	12.4	20.5
25531	Lessek		11 26.7	34°25'	4°5'/27.6	18 R	214343	2005 <i>JE</i> ₁₁₇		11 26.7	64°00'	3°2'/25.6	18
10 18	4 44.23	+26 47.9	1.177	1.983	22.1	17.4	10 18	4 39.05	+13 23.9	1.839	2.631	15.8	20.4
10 28	4 41.01	+27 58.4	1.117	1.995	17.9	17.2	10 28	4 34.99	+13 6.0	1.762	2.636	12.6	20.2
11 7	4 33.61	+29 1.3	1.074	2.007	13.0	16.9	11 7	4 28.40	+12 48.7	1.707	2.642	8.9	20.0
11 17	4 22.79	+29 50.6	1.053	2.021	7.9	16.7	11 17	4 19.87	+12 34.3	1.676	2.648	5.0	19.8
11 27	4 10.19	+30 21.6	1.056	2.036	4.5	16.6	11 27	4 10.36	+12 25.3	1.674	2.653	3.2	19.7
12 7	3 57.92	+30 33.7	1.084	2.051	7.2	16.8	12 7	4 1.02	+12 24.1	1.699	2.659	6.0	19.8
12 17	3 47.92	+30 31.3	1.136	2.067	11.9	17.1	12 17	3 52.91	+12 32.2	1.753	2.665	9.8	20.1
12 27	3 41.56	+30 21.8	1.210	2.084	16.3	17.4	12 27	3 46.91	+12 50.4	1.830	2.671	13.3	20.3
227997	2007 <i>KU</i> ₇		11 26.7	83°94'	5°3'/24.9	18	248874	2006 <i>UZ</i> ₁₁₄		11 26.7	140°85'	0°5'/26.9	18
10 18	4 37.81	+ 4 17.4	2.315	3.088	13.5	20.0	10 18	4 41.46	+23 24.8	2.563	3.321	12.7	22.7
10 28	4 33.39	+ 3 58.8	2.236	3.091	11.0	19.8	10 28	4 36.15	+23 22.0	2.480	3.334	10.1	22.5
11 7	4 26.95	+ 3 46.8	2.179	3.095	8.4	19.6	11 7	4 28.80	+23 13.9	2.420	3.347	7.0	22.4
11 17	4 19.02	+ 3 44.2	2.148	3.098	6.1	19.5	11 17	4 19.94	+23 0.1	2.387	3.360	3.6	22.2
11 27	4 10.33	+ 3 53.8	2.145	3.102	5.4	19.5	11 27	4 10.37	+22 41.6	2.385	3.371	0.5	21.9
12 7	4 1.75	+ 4 16.7	2.172	3.105	6.9	19.6	12 7	4 0.97	+22 20.0	2.414	3.382	3.6	22.2
12 17	3 54.11	+ 4 52.7	2.226	3.109	9.5	19.7	12 17	3 52.58	+21 58.0	2.473	3.393	6.9	22.4
12 27	3 48.10	+ 5 40.8	2.305	3.112	12.0	19.9	12 27	3 45.90	+21 38.4	2.560	3.402	9.9	22.6
193696	2001 <i>FN</i> ₃₇		11 26.7	187°13'	2°8'/24.9	17	12940	4588 <i>P-L</i>		11 26.7	69°29'	3°6'/25.4	18
10 18	4 35.57	+12 21.3	3.043	3.812	10.7	21.6	10 18	4 42.29	+15 53.9	1.366	2.173	19.5	18.5
10 28	4 31.16	+11 46.5	2.950	3.811	8.5	21.4	10 28	4 38.13	+15 3.7	1.310	2.193	15.4	18.3
11 7	4 25.19	+11 11.5	2.882	3.810	6.0	21.3	11 7	4 30.77	+14 10.6	1.274	2.214	10.7	18.1
11 17	4 18.06	+10 38.3	2.842	3.808	3.7	21.1	11 17	4 21.05	+13 18.5	1.260	2.234	5.9	17.9
11 27	4 10.36	+10 9.3	2.833	3.806	2.8	21.1	11 27	4 10.34	+12 32.7	1.273	2.254	3.7	17.8
12 7	4 2.72	+ 9 46.5	2.854	3.803	4.6	21.2	12 7	4 0.15	+11 58.2	1.313	2.274	7.2	18.1
12 17	3 55.79	+ 9 31.7	2.905	3.800	7.1	21.3	12 17	3 51.80	+11 38.3	1.379	2.294	11.6	18.4
12 27	3 50.10	+ 9 25.9	2.983	3.797	9.4	21.5	12 27	3 46.20	+11 34.6	1.467	2.314	15.6	18.7
47777	2000 <i>EK</i> ₉		11 26.7	149°08'	0°7'/26.3	18	452269	2015 <i>TX</i> ₁₄₅		11 26.7	133°65'	2°8'/27.9	18
10 18	4 36.74	+19 27.5	2.833	3.601	11.4	19.6	10 18	4 41.68	+29 26.7	2.136	2.894	14.9	21.3
10 28	4 32.24	+19 15.9	2.746	3.607	9.0	19.5	10 28	4 37.02	+29 41.2	2.051	2.900	12.1	21.1
11 7	4 26.01	+19 1.4	2.682	3.614	6.2	19.3	11 7	4 29.79	+29 46.4	1.987	2.907	8.8	20.9
11 17	4 18.50	+18 44.5	2.646	3.620	3.1	19.1	11 17	4 20.57	+29 40.2	1.949	2.913	5.3	20.7
11 27	4 10.36	+18 26.5	2.640	3.626	0.7	18.9	11 27	4 10.35	+29 22.2	1.939	2.919	2.8	20.6
12 7	4 2.32	+18 9.2	2.665	3.631	3.5	19.2	12 7	4 0.28	+28 54.1	1.958	2.925	4.6	20.7
12 17	3 55.10	+17 54.4	2.720	3.637	6.5	19.4	12 17	3 51.48	+28 19.7	2.007	2.930	8.1	20.9
12 27	3 49.28	+17 44.2	2.803	3.642	9.2	19.6	12 27	3 44.81	+27 43.7	2.082	2.935	11.3	21.1
68159	2001 <i>BJ</i> ₁₅		11 26.7	112°52'	4°1'/28.7	18	181306	2006 <i>QK</i> ₂₅		11 26.7	50°17'	7°3'/24.9	18
10 18	4 40.28	+33 46.9	2.303	3.047	14.4	19.3	10 18	4 41.04	+ 8 2.9	1.183	2.002	21.2	19.6
10 28	4 35.89	+34 11.4	2.214	3.049	11.9	19.2	10 28	4 37.47	+ 7 5.4	1.136	2.021	17.1	19.4
11 7	4 29.00	+34 25.0	2.146	3.052	9.0	19.0	11 7	4 30.48	+ 6 14.2	1.106	2.040	12.6	19.2
11 17	4 20.16	+34 25.0	2.103	3.054	6.1	18.8	11 17	4 20.95	+ 5 35.9	1.097	2.060	8.7	19.1
11 27	4 10.30	+34 10.0	2.087	3.057	4.2	18.7	11 27	4 10.34	+ 5 16.7	1.113	2.080	7.4	19.1
12 7	4 0.56	+33 41.4	2.101	3.059	5.2	18.8	12 7	4 0.30	+ 5 19.9	1.153	2.100	10.0	19.3
12 17	3 51.99	+33 2.5	2.143	3.062	7.9	18.9	12 17	3 52.22	+ 5 45.2	1.217	2.121	13.9	19.6
12 27	3 45.49	+32 18.7	2.212	3.064	10.8	19.1	12 27	3 47.07	+ 6 30.1	1.302	2.142	17.6	19.8
408106	2013 <i>AC</i> ₁₅₀		11 26.7	221°10'	0°1'/26.8	18	152712	1998 <i>SE</i> ₁₀₆					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
321194	2008 <i>XH</i> ₅₂		11 26.7 241°51	2°0/26.0	18		304859	2007 <i>RS</i> ₈₀		11 26.7 36°47	9°7/22.8	18	
10 18	4 40.12	+16 20.9	1.883	2.671	15.6	20.9	10 18	4 36.50	+1 37.9	1.530	2.330	18.1	20.5
10 28	4 35.98	+16 10.6	1.793	2.666	12.5	20.6	10 28	4 33.26	+0 3.4	1.473	2.339	15.1	20.3
11 7	4 29.22	+15 58.8	1.724	2.660	8.7	20.4	11 7	4 27.31	-1 22.4	1.436	2.347	12.2	20.2
11 17	4 20.36	+15 46.8	1.680	2.654	4.6	20.1	11 17	4 19.33	-2 31.1	1.421	2.356	10.1	20.1
11 27	4 10.36	+15 36.5	1.664	2.648	2.1	20.0	11 27	4 10.42	-3 15.1	1.432	2.366	9.9	20.1
12 7	4 0.39	+15 30.1	1.677	2.642	5.4	20.2	12 7	4 1.80	-3 30.4	1.466	2.376	11.7	20.2
12 17	3 51.59	+15 30.0	1.718	2.636	9.6	20.4	12 17	3 54.61	-3 16.6	1.524	2.386	14.3	20.4
12 27	3 44.93	+15 38.0	1.784	2.629	13.3	20.6	12 27	3 49.68	-2 36.8	1.603	2.397	17.0	20.6
319629	2006 <i>SG</i> ₃₅₃		11 26.7 34°96	2°6/27.4	18		189518	2000 <i>HC</i> ₄		11 26.7 94°06	0°2/26.6	18	
10 18	4 42.05	+25 16.2	1.617	2.404	17.9	20.2	10 18	4 43.89	+21 54.5	1.698	2.482	17.2	20.9
10 28	4 38.08	+26 4.0	1.546	2.414	14.4	20.0	10 28	4 38.97	+21 41.9	1.632	2.502	13.7	20.7
11 7	4 30.95	+26 46.0	1.494	2.425	10.3	19.8	11 7	4 31.18	+21 22.9	1.587	2.522	9.4	20.5
11 17	4 21.30	+27 19.2	1.466	2.436	5.8	19.5	11 17	4 21.26	+20 57.8	1.566	2.541	4.7	20.3
11 27	4 10.33	+27 41.2	1.465	2.448	2.6	19.4	11 27	4 10.38	+20 28.5	1.573	2.560	0.3	20.0
12 7	3 59.54	+27 52.3	1.492	2.460	5.4	19.6	12 7	3 59.91	+19 58.4	1.610	2.579	5.0	20.4
12 17	3 50.34	+27 55.1	1.546	2.473	9.6	19.8	12 17	3 51.02	+19 31.2	1.674	2.597	9.4	20.7
12 27	3 43.80	+27 54.1	1.624	2.486	13.5	20.1	12 27	3 44.62	+19 11.0	1.763	2.615	13.1	21.0
129196	Mitchbeiser		11 26.7 61°64	2°6/25.9	18		400969	2010 <i>WS</i> ₁₁		11 26.7 14°02	4°2/28.8	18	
10 18	4 43.17	+17 19.1	1.340	2.147	19.9	19.5	10 18	4 38.87	+33 29.3	1.834	2.599	16.8	20.6
10 28	4 38.85	+16 47.3	1.288	2.171	15.6	19.3	10 28	4 35.39	+33 38.5	1.751	2.601	13.9	20.4
11 7	4 31.26	+16 12.3	1.256	2.196	10.8	19.1	11 7	4 28.98	+33 33.7	1.688	2.603	10.4	20.2
11 17	4 21.29	+15 36.6	1.246	2.222	5.6	18.9	11 17	4 20.27	+33 12.0	1.648	2.606	6.8	20.0
11 27	4 10.34	+15 4.2	1.263	2.247	2.7	18.7	11 27	4 10.40	+32 33.0	1.635	2.610	4.3	19.8
12 7	3 59.99	+14 39.2	1.307	2.272	6.6	19.1	12 7	4 0.75	+31 39.3	1.650	2.614	5.6	19.9
12 17	3 51.56	+14 25.0	1.376	2.297	11.2	19.4	12 17	3 52.58	+30 36.7	1.692	2.618	9.1	20.1
12 27	3 45.96	+14 23.4	1.469	2.322	15.2	19.7	12 27	3 46.88	+29 32.3	1.759	2.623	12.6	20.4
460538	2014 <i>TW</i> ₄₀		11 26.7 354°15	4°0/27.5	17		242260	2003 <i>SE</i> ₃₀₁		11 26.7 167°93	5°6/29.2	18	
10 18	4 41.58	+27 11.3	1.836	2.610	16.5	20.2	10 18	4 44.84	+36 30.2	2.017	2.754	16.4	20.6
10 28	4 37.73	+28 30.0	1.747	2.605	13.5	20.0	10 28	4 40.07	+37 5.1	1.929	2.756	13.7	20.4
11 7	4 30.83	+29 45.3	1.679	2.601	9.9	19.7	11 7	4 32.23	+37 26.7	1.861	2.758	10.7	20.2
11 17	4 21.35	+30 52.6	1.635	2.598	6.3	19.5	11 17	4 21.95	+37 30.4	1.817	2.760	7.6	20.0
11 27	4 10.33	+31 47.5	1.620	2.596	4.0	19.4	11 27	4 10.36	+37 13.7	1.799	2.761	5.7	19.9
12 7	3 59.13	+32 27.7	1.632	2.594	5.9	19.5	12 7	3 58.90	+36 37.5	1.810	2.762	6.5	20.0
12 17	3 49.18	+32 54.1	1.672	2.593	9.6	19.7	12 17	3 48.94	+35 46.6	1.849	2.763	9.3	20.2
12 27	3 41.70	+33 10.4	1.738	2.593	13.1	19.9	12 27	3 41.54	+34 48.0	1.913	2.763	12.3	20.4
391148	2005 <i>YF</i> ₈₄		11 26.7 310°45	3°2/25.7	18		442324	2011 <i>SP</i> ₁₃₃		11 26.7 100°85	4°0/28.4	15	
10 18	4 36.80	+15 52.8	1.430	2.244	18.4	21.4	10 18	4 48.47	+32 6.0	2.206	2.941	15.2	22.5
10 28	4 34.51	+15 27.2	1.329	2.217	14.9	21.1	10 28	4 42.22	+32 49.7	2.137	2.969	12.4	22.4
11 7	4 28.95	+14 58.2	1.248	2.190	10.6	20.8	11 7	4 33.26	+33 23.5	2.090	2.996	9.2	22.2
11 17	4 20.54	+14 28.5	1.189	2.164	5.9	20.4	11 17	4 22.29	+33 43.6	2.070	3.022	6.1	22.1
11 27	4 10.35	+14 1.9	1.155	2.138	3.3	20.2	11 27	4 10.36	+33 48.3	2.078	3.048	4.1	22.0
12 7	3 59.87	+13 42.7	1.148	2.113	7.3	20.4	12 7	3 58.74	+33 38.3	2.116	3.073	5.3	22.1
12 17	3 50.69	+13 35.2	1.164	2.088	12.5	20.6	12 17	3 48.56	+33 17.1	2.184	3.097	8.1	22.3
12 27	3 44.19	+13 42.2	1.203	2.063	17.4	20.8	12 27	3 40.72	+32 49.9	2.278	3.121	10.9	22.5
112292	2002 <i>LJ</i> ₃₅		11 26.7 90°48	3°6/25.7	18		279770	1999 <i>RN</i> ₁₄₆		11 26.7 58°31	1°5/26.2	18	
10 18	4 44.54	+13 23.3	1.519	2.314	18.4	19.8	10 18	4 43.74	+20 3.2	1.471	2.267	18.9	20.1
10 28	4 39.63	+13 0.8	1.458	2.334	14.6	19.6	10 28	4 38.91	+19 28.6	1.423	2.301	14.8	19.9
11 7	4 31.70	+12 39.3	1.418	2.353	10.3	19.4	11 7	4 31.06	+18 48.3	1.396	2.335	10.1	19.7
11 17	4 21.52	+12 21.3	1.402	2.373	5.8	19.2	11 17	4 21.11	+18 4.4	1.393	2.368	5.1	19.5
11 27	4 10.34	+12 10.0	1.412	2.392	3.7	19.1	11 27	4 10.40	+17 20.7	1.417	2.402	1.6	19.4
12 7	3 59.59	+12 7.8	1.451	2.411	6.8	19.3	12 7	4 0.35	+16 41.6	1.469	2.436	5.7	19.7
12 17	3 50.53	+12 16.5	1.516	2.429	11.0	19.6	12 17	3 52.15	+16 11.4	1.547	2.469	10.1	20.1
12 27	3 44.08	+12 36.7	1.605	2.447	14.7	19.9	12 27	3 46.60	+15 52.7	1.650	2.502	13.9	20.4
259530	2003 <i>UF</i> ₅₁		11 26.7 119°54	2°4/28.2	18		129017	2004 <i>TD</i> ₃₂₄		11 26.7 218°96	0°5/26.5	18	
10 18	4 38.68	+31 26.3	2.423	3.173	13.6	20.0	10 18	4 37.46	+20 8.7	2.634	3.403	12.1	20.9
10 28	4 34.29	+31 7.0	2.333	3.177	11.0	19.8	10 28	4 33.11	+20 0.2	2.535	3.397	9.6	20.7
11 7	4 27.67	+30 36.1	2.265	3.181	8.0	19.7	11 7	4 26.81	+19 48.1	2.458	3.391	6.7	20.5
11 17	4 19.43	+29 52.8	2.222	3.185	4.8	19.5	11 17	4 19.03	+19 33.0	2.409	3.384	3.4	20.3
11 27	4 10.40	+28 58.2	2.209	3.189	2.4	19.3	11 27	4 10.46	+19 15.9	2.390	3.377	0.5	20.0
12 7	4 1.59	+27 55.3	2.226	3.193	4.0	19.4	12 7	4 1.90	+18 58.6	2.402	3.369	3.8	20.3
12 17	3 53.90	+26 48.7	2.273	3.197	7.2	19.6	12 17	3 54.18	+18 43.3	2.443	3.361	7.1	20.5
12 27	3 48.06	+25 43.5	2.347	3.200	10.2	19.8	12 27	3 47.98	+18 32.3	2.512	3.353	10.1	20.7
260185	2004 <i>RP</i> ₁₄₁		11 26.7 29°29	2°0/26.0	18		278732	2008 <i>SJ</i> ₇₁		11 26.7 286°78	3°0/27.9	18	
10 18	4 36.79	+17 5.3	1.576	2.383	17.4	20.0	10 18	4 39.38	+29 30.2	2.412	3.166	13.5	20.4
10 28	4 33.54	+16 49.2	1.516	2.399	13.7	19.8	10 28	4 35.11	+30 3.5	2.313	3.160	11.0	20.2
11 7	4 27.51	+16 30.9	1.475	2.416	9.4	19.6	11 7	4 28.49	+30 29.9	2.237	3.153	8.1	20.0
11 17	4 19.43	+16 12.3	1.458	2.434	4.9	19.4	11 17	4 19.99	+30 46.8	2.186	3.147	5.1	19.8
11 27	4 10.41	+15 55.9	1.468	2.452	2.1	19.2	11 27	4 10.43	+30 53.0	2.164	3.141	3.1	19.7
12 7	4 1.72	+15 44.5	1.505	2.472	5.7	19.5	12 7	4 0.83	+30 48.7	2.172	3.135	4.5	19.8
12 17	3 54.51	+15 40.6	1.568	2.492	9.9	19.8	12 17	3 52.21	+30 36.1	2.208	3.129	7.6	19.9
12 27	3 49.63	+15 46.0	1.656	2.512	13.6	20.1	12 27	3 45.44	+30 19.0	2.272	3.123	10.6	20.1
169452	2002 <i>CD</i> ₆		11 26.7 271°91	2°8/27.6	18		381062						

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
193810	2001 PA ₃₉	11 26.7 103°39'		0°9'/27.1 18			364346	2006 UC ₁₉₇	11 26.7 281°32'		3°3'/27.6 17		
10 18	4 40.10	+22 53.9	2.682	3.441	12.2	20.5	10 18	4 43.08	+27 26.2	2.027	2.790	15.5	21.0
10 28	4 35.08	+23 19.6	2.600	3.454	9.7	20.3	10 28	4 38.70	+28 18.1	1.922	2.775	12.7	20.8
11 7	4 28.10	+23 41.8	2.541	3.468	6.8	20.1	11 7	4 31.43	+29 5.5	1.838	2.759	9.3	20.5
11 17	4 19.64	+23 59.5	2.510	3.481	3.6	19.9	11 17	4 21.68	+29 44.7	1.780	2.744	5.7	20.3
11 27	4 10.44	+24 12.4	2.509	3.494	0.9	19.8	11 27	4 10.41	+30 12.8	1.750	2.729	3.3	20.1
12 7	4 1.35	+24 20.9	2.539	3.507	3.5	20.0	12 7	3 58.89	+30 28.7	1.749	2.713	5.3	20.2
12 17	3 53.16	+24 26.6	2.599	3.520	6.6	20.2	12 17	3 48.46	+30 34.0	1.776	2.698	9.1	20.4
12 27	3 46.57	+24 31.4	2.688	3.533	9.4	20.4	12 27	3 40.29	+30 32.7	1.830	2.682	12.7	20.6
234617	2002 AZ ₉₉	11 26.7 284°62'		0°9'/26.4 18			309966	2009 HN ₃₈	11 26.7 290°26'		6°9'/23.5 18		
10 18	4 40.05	+19 19.8	1.679	2.473	17.0	20.4	10 18	4 36.21	+ 6 28.0	1.853	2.647	15.6	21.1
10 28	4 36.52	+19 16.6	1.582	2.458	13.6	20.1	10 28	4 32.86	+ 5 16.6	1.765	2.634	12.8	20.9
11 7	4 29.97	+19 9.8	1.504	2.443	9.6	19.9	11 7	4 27.05	+ 4 7.4	1.698	2.620	9.9	20.7
11 17	4 20.93	+18 59.6	1.451	2.427	4.9	19.5	11 17	4 19.30	+ 3 6.1	1.656	2.607	7.4	20.5
11 27	4 10.40	+18 47.4	1.425	2.412	1.0	19.2	11 27	4 10.48	+ 2 18.9	1.640	2.594	7.0	20.5
12 7	3 59.76	+18 35.5	1.427	2.396	5.5	19.5	12 7	4 1.68	+ 1 50.5	1.652	2.581	9.1	20.6
12 17	3 50.39	+18 27.1	1.456	2.381	10.4	19.8	12 17	3 53.96	+ 1 43.6	1.688	2.568	12.2	20.7
12 27	3 43.45	+18 25.5	1.509	2.365	14.7	20.0	12 27	3 48.20	+ 1 58.0	1.748	2.555	15.3	20.9
303173	2004 FD ₉	11 26.7 330°08'		6°2'/27.6 17			350580	2001 MW ₈	11 26.7 63°60'		4°3'/28.7 18		
10 18	4 40.54	+29 48.7	1.469	2.258	19.3	19.6	10 18	4 44.34	+32 54.6	1.765	2.524	17.6	20.5
10 28	4 38.11	+31 17.0	1.372	2.237	16.1	19.3	10 28	4 39.53	+33 16.2	1.704	2.549	14.4	20.3
11 7	4 31.91	+32 41.6	1.295	2.217	12.3	19.0	11 7	4 31.67	+33 24.3	1.662	2.575	10.7	20.1
11 17	4 22.29	+33 55.6	1.239	2.198	8.4	18.8	11 17	4 21.54	+33 15.8	1.644	2.601	6.9	20.0
11 27	4 10.35	+34 52.0	1.208	2.179	6.2	18.6	11 27	4 10.43	+32 50.0	1.653	2.627	4.4	19.9
12 7	3 57.89	+35 27.0	1.204	2.162	8.0	18.6	12 7	3 59.80	+32 9.5	1.690	2.652	5.7	20.0
12 17	3 46.89	+35 41.2	1.224	2.146	12.1	18.8	12 17	3 50.90	+31 20.1	1.755	2.678	9.0	20.3
12 27	3 39.06	+35 40.8	1.266	2.132	16.3	19.0	12 27	3 44.65	+30 28.5	1.845	2.703	12.3	20.5
519884	2013 OR ₁₂	11 26.7 59°28'		4°8'/24.3 18			311752	2006 TF ₇₀	11 26.7 35°41'		4°5'/25.7 18		
10 18	4 34.78	+ 8 11.1	2.311	3.096	13.2	21.6	10 18	4 40.04	+ 9 12.9	1.656	2.452	17.1	19.9
10 28	4 31.01	+ 7 20.4	2.237	3.102	10.6	21.5	10 28	4 36.01	+ 9 8.1	1.587	2.461	13.7	19.7
11 7	4 25.33	+ 6 32.3	2.185	3.109	7.9	21.3	11 7	4 29.25	+ 9 8.9	1.537	2.470	9.9	19.5
11 17	4 18.25	+ 5 50.3	2.160	3.116	5.5	21.2	11 17	4 20.38	+ 9 17.9	1.512	2.479	6.2	19.3
11 27	4 10.49	+ 5 18.2	2.162	3.123	4.9	21.2	11 27	4 10.47	+ 9 37.2	1.514	2.489	4.5	19.3
12 7	4 2.88	+ 4 58.8	2.194	3.130	6.7	21.3	12 7	4 0.77	+10 7.6	1.544	2.499	7.0	19.5
12 17	3 56.20	+ 4 53.6	2.253	3.138	9.3	21.5	12 17	3 52.44	+10 49.0	1.600	2.510	10.7	19.7
12 27	3 51.10	+ 5 2.6	2.336	3.145	11.8	21.6	12 27	3 46.41	+11 40.3	1.680	2.521	14.2	19.9
90395	2003 XD ₁₅	11 26.7 280°00'		11°4'/ 2.8 18			184479	2005 OS ₅	11 26.7 127°53'		1°3'/26.2 18		
10 18	4 50.91	+50 3.6	1.676	2.365	20.8	19.2	10 18	4 44.59	+18 48.7	1.886	2.663	16.0	21.3
10 28	4 46.90	+50 36.8	1.571	2.344	18.7	19.0	10 28	4 39.25	+18 31.2	1.813	2.679	12.7	21.1
11 7	4 38.16	+50 44.8	1.481	2.323	16.2	18.8	11 7	4 31.26	+18 9.9	1.761	2.695	8.8	20.9
11 17	4 25.35	+50 17.1	1.410	2.302	13.6	18.5	11 17	4 21.31	+17 45.8	1.736	2.710	4.4	20.7
11 27	4 10.27	+49 5.2	1.361	2.280	11.7	18.4	11 27	4 10.45	+17 20.9	1.739	2.725	1.4	20.5
12 7	3 55.40	+47 8.4	1.337	2.258	11.5	18.3	12 7	3 59.88	+16 58.1	1.772	2.738	5.0	20.8
12 17	3 43.06	+44 35.3	1.339	2.236	13.4	18.4	12 17	3 50.72	+16 40.5	1.834	2.751	9.1	21.0
12 27	3 34.87	+41 42.1	1.365	2.214	16.4	18.5	12 27	3 43.82	+16 30.7	1.922	2.763	12.7	21.3
276774	2004 HG ₃₈	11 26.7 154°27'		3°0'/25.5 18			487624	2015 MV ₁₁₇	11 26.7 35°84'		6°3'/25.4 17		
10 18	4 42.61	+14 5.1	2.065	2.842	14.8	21.9	10 18	4 39.69	+ 7 9.2	1.353	2.163	19.5	20.8
10 28	4 37.45	+13 33.2	1.986	2.851	11.8	21.7	10 28	4 36.01	+ 6 43.5	1.305	2.185	15.7	20.6
11 7	4 29.92	+13 0.5	1.928	2.859	8.3	21.5	11 7	4 29.30	+ 6 25.7	1.276	2.208	11.5	20.5
11 17	4 20.61	+12 29.1	1.897	2.867	4.7	21.3	11 17	4 20.38	+ 6 20.2	1.269	2.232	7.7	20.3
11 27	4 10.43	+12 2.1	1.896	2.874	3.1	21.2	11 27	4 10.51	+ 6 30.6	1.288	2.256	6.3	20.3
12 7	4 0.45	+11 42.3	1.924	2.880	5.7	21.4	12 7	4 1.13	+ 6 57.8	1.332	2.281	8.6	20.5
12 17	3 51.66	+11 32.1	1.981	2.886	9.3	21.6	12 17	3 53.47	+ 7 41.0	1.401	2.307	12.2	20.8
12 27	3 44.85	+11 32.7	2.063	2.890	12.5	21.8	12 27	3 48.41	+ 8 37.5	1.492	2.334	15.7	21.1
24577	4841 T ₋₁	11 26.7 90°47'		5°4'/28.7 18			225492	2000 HT ₄₉	11 26.7 242°55'		1°0'/27.1 18		
10 18	4 47.26	+33 54.0	1.931	2.674	16.8	18.2	10 18	4 42.74	+23 43.9	1.804	2.583	16.5	21.1
10 28	4 41.92	+34 51.9	1.860	2.693	13.9	18.0	10 28	4 38.50	+23 52.3	1.707	2.573	13.3	20.9
11 7	4 33.46	+35 38.5	1.809	2.711	10.6	17.8	11 7	4 31.28	+23 54.4	1.630	2.562	9.5	20.6
11 17	4 22.54	+36 8.9	1.782	2.729	7.4	17.7	11 17	4 21.58	+23 49.0	1.578	2.551	5.0	20.3
11 27	4 10.38	+36 20.0	1.783	2.747	5.4	17.6	11 27	4 10.47	+23 35.8	1.553	2.539	1.0	20.0
12 7	3 58.46	+36 12.1	1.812	2.765	6.4	17.7	12 7	3 59.30	+23 16.9	1.558	2.528	5.0	20.3
12 17	3 48.13	+35 49.1	1.869	2.782	9.3	17.9	12 17	3 49.41	+22 55.6	1.590	2.515	9.6	20.5
12 27	3 40.46	+35 17.3	1.952	2.799	12.3	18.1	12 27	3 41.95	+22 36.6	1.647	2.503	13.7	20.8
463813	2014 TS ₄	11 26.7 5°30'		7°2'/29.1 16			138457	2000 JN ₂₃	11 26.7 246°30'		3°5'/28.3 18		
10 18	4 38.53	+35 51.9	1.627	2.395	18.5	20.6	10 18	4 42.41	+31 48.1	2.353	3.097	14.1	20.5
10 28	4 35.90	+37 4.1	1.551	2.395	15.6	20.4	10 28	4 37.73	+32 7.7	2.243	3.081	11.7	20.3
11 7	4 29.85	+38 3.6	1.493	2.397	12.3	20.2	11 7	4 30.46	+32 17.7	2.153	3.064	8.7	20.1
11 17	4 20.94	+38 44.2	1.458	2.400	9.1	20.0	11 17	4 21.08	+32 15.5	2.089	3.046	5.6	19.9
11 27	4 10.42	+39 1.4	1.447	2.405	7.3	19.9	11 27	4 10.49	+31 59.6	2.053	3.028	3.5	19.7
12 7	3 59.95	+38 54.7	1.461	2.410	8.1	20.0	12 7	3 59.79	+31 30.7	2.048	3.010	4.9	19.8
12 17	3 51.14	+38 28.1	1.501	2.417	10.8	20.2	12 17	3 50.14	+30 52.2	2.071	2.991	8.1	19.9
12 27	3 45.24	+37 49.2	1.564	2.425	14.0	20.4	12 27	3 42.51	+30 9.1	2.122	2.971	11.3	20.1
324139	2005 YY ₈₇	11 26.7 82°08'		1°6'/27.5 18			401800	2014 HS ₁₂₈	11 26.7 192°94'		6°4'/24.2 18		
10 18	4 39.11	+26 58.6	2.211	2.977	14.3	2							

EPHEMERIDES

11 26.7

11 26.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
513945	2014 <i>DJ</i> ₁₁₀		11 26.7 138°33'	6°3'/29.7 18			278213	2007 <i>EL</i> ₄₂		11 26.8 151°05'	3°7'/28.1 18		
10 18	4 48.57	+39 42.7	2.381	3.085	14.9	22.4	10 18	4 45.10	+30 18.4	1.837	2.598	16.9	21.1
10 28	4 42.66	+40 38.0	2.298	3.098	12.7	22.2	10 28	4 40.36	+30 49.2	1.753	2.603	13.9	20.9
11 7	4 33.86	+41 20.6	2.236	3.110	10.2	22.1	11 7	4 32.50	+31 9.9	1.690	2.607	10.2	20.7
11 17	4 22.76	+41 45.5	2.199	3.121	7.8	21.9	11 17	4 22.17	+31 17.2	1.650	2.612	6.4	20.5
11 27	4 10.45	+41 49.3	2.189	3.132	6.4	21.9	11 27	4 10.52	+31 9.1	1.638	2.616	3.8	20.3
12 7	3 58.27	+41 32.2	2.209	3.142	6.9	21.9	12 7	3 59.00	+30 46.7	1.655	2.619	5.6	20.4
12 17	3 47.50	+40 57.5	2.256	3.152	8.8	22.1	12 17	3 48.98	+30 14.4	1.699	2.622	9.3	20.7
12 27	3 39.13	+40 11.6	2.330	3.161	11.1	22.2	12 27	3 41.57	+29 38.3	1.769	2.625	12.9	20.9
298397	2003 <i>SE</i> ₂₄₂		11 26.7 256°35'	0°5'/26.9 18			38153	1999 <i>JW</i> ₆₇		11 26.8 113°99'	0°5'/26.6 18		
10 18	4 39.88	+23 40.2	1.839	2.622	16.1	21.3	10 18	4 47.12	+19 42.6	1.622	2.404	18.0	19.5
10 28	4 35.99	+23 31.4	1.750	2.619	12.9	21.1	10 28	4 41.77	+19 48.3	1.553	2.422	14.3	19.3
11 7	4 29.34	+23 15.0	1.681	2.615	9.1	20.8	11 7	4 33.31	+19 50.5	1.505	2.439	9.9	19.1
11 17	4 20.51	+22 50.9	1.638	2.612	4.7	20.6	11 17	4 22.48	+19 48.8	1.481	2.456	5.0	18.8
11 27	4 10.52	+22 20.2	1.622	2.609	0.5	20.2	11 27	4 10.52	+19 44.0	1.485	2.472	0.6	18.5
12 7	4 0.61	+21 45.9	1.635	2.605	4.7	20.6	12 7	3 58.90	+19 38.0	1.518	2.487	5.3	18.9
12 17	3 52.00	+21 12.2	1.676	2.602	9.1	20.8	12 17	3 48.96	+19 33.7	1.579	2.502	9.9	19.2
12 27	3 45.67	+20 43.5	1.741	2.598	13.0	21.0	12 27	3 41.68	+19 34.4	1.665	2.516	13.8	19.5
204915	2008 <i>ST</i> ₅₂		11 26.7 341°32'	0°7'/27.0 17			368051	2012 <i>HK</i> ₃₆		11 26.8 141°38'	7°8'/21.2 18		
10 18	4 36.85	+23 40.5	2.265	3.040	13.7	21.3	10 18	4 34.95	- 2 11.1	2.618	3.377	12.5	21.5
10 28	4 33.03	+23 40.7	2.173	3.038	10.9	21.1	10 28	4 30.90	- 3 46.4	2.551	3.382	10.6	21.4
11 7	4 26.99	+23 35.2	2.104	3.036	7.7	20.9	11 7	4 25.17	- 5 14.8	2.506	3.387	8.9	21.2
11 17	4 19.22	+23 23.6	2.061	3.034	4.0	20.6	11 17	4 18.19	- 6 30.6	2.488	3.392	7.9	21.2
11 27	4 10.55	+23 6.7	2.046	3.033	0.7	20.4	11 27	4 10.63	- 7 28.9	2.498	3.397	8.0	21.2
12 7	4 1.95	+22 46.4	2.061	3.031	4.0	20.6	12 7	4 3.19	- 8 6.5	2.535	3.402	9.1	21.3
12 17	3 54.34	+22 25.4	2.105	3.030	7.6	20.9	12 17	3 56.57	- 8 22.3	2.597	3.406	10.8	21.4
12 27	3 48.54	+22 6.9	2.175	3.028	10.9	21.1	12 27	3 51.33	- 8 17.3	2.682	3.411	12.5	21.6
356857	2011 <i>WL</i> ₄₄		11 26.7 27°35'	1°0'/27.1 18			310572	2001 <i>SS</i> ₂₀₉		11 26.8 44°85'	2°4'/27.6 18		
10 18	4 40.40	+22 58.0	1.729	2.517	16.8	20.6	10 18	4 41.03	+26 45.0	1.675	2.458	17.5	20.8
10 28	4 36.56	+23 17.1	1.649	2.520	13.5	20.4	10 28	4 37.11	+27 9.0	1.606	2.472	14.0	20.6
11 7	4 29.82	+23 31.2	1.589	2.524	9.4	20.1	11 7	4 30.18	+27 24.4	1.557	2.487	10.0	20.4
11 17	4 20.78	+23 38.9	1.554	2.528	5.0	19.9	11 17	4 20.93	+27 29.3	1.532	2.502	5.7	20.2
11 27	4 10.51	+23 40.0	1.546	2.532	1.0	19.6	11 27	4 10.56	+27 22.8	1.534	2.517	2.5	20.0
12 7	4 0.36	+23 35.8	1.566	2.536	4.9	19.9	12 7	4 0.46	+27 6.9	1.563	2.533	5.1	20.2
12 17	3 51.60	+23 29.2	1.613	2.541	9.3	20.2	12 17	3 51.92	+26 45.5	1.620	2.548	9.2	20.5
12 27	3 45.26	+23 24.0	1.685	2.546	13.2	20.4	12 27	3 45.92	+26 23.7	1.701	2.565	12.9	20.8
369479	2010 <i>TE</i> ₁₁₇		11 26.8 31°13'	0°3'/26.9 18			251138	2006 <i>TV</i> ₃₇		11 26.8 41°28'	1°0'/26.3 18		
10 18	4 40.64	+25 25.1	1.281	2.088	20.6	20.3	10 18	4 37.95	+20 48.2	1.882	2.672	15.6	20.7
10 28	4 37.65	+24 50.2	1.208	2.091	16.5	20.0	10 28	4 34.22	+20 17.3	1.801	2.674	12.4	20.5
11 7	4 31.00	+24 1.2	1.155	2.095	11.6	19.7	11 7	4 27.96	+19 39.8	1.740	2.677	8.6	20.2
11 17	4 21.47	+22 58.8	1.123	2.099	5.9	19.4	11 17	4 19.76	+18 57.5	1.705	2.681	4.3	20.0
11 27	4 10.52	+21 46.7	1.116	2.103	0.3	19.0	11 27	4 10.59	+18 12.9	1.698	2.684	1.1	19.8
12 7	3 59.91	+20 31.9	1.136	2.107	6.0	19.5	12 7	4 1.61	+17 30.1	1.720	2.687	4.9	20.0
12 17	3 51.26	+19 22.8	1.181	2.112	11.5	19.8	12 17	3 53.88	+16 53.1	1.769	2.691	9.1	20.3
12 27	3 45.72	+18 26.6	1.248	2.118	16.3	20.1	12 27	3 48.25	+16 25.4	1.844	2.695	12.7	20.5
268288	2005 <i>QZ</i> ₄₆		11 26.8 85°00'	0°1'/26.8 18			64206	2001 <i>TW</i> ₉₇		11 26.8 105°22'	1°3'/27.3 18		
10 18	4 45.27	+21 55.0	1.561	2.348	18.4	21.4	10 18	4 40.28	+25 37.9	2.074	2.845	14.9	19.8
10 28	4 40.35	+21 55.1	1.499	2.370	14.6	21.2	10 28	4 35.91	+25 39.6	1.992	2.852	12.0	19.6
11 7	4 32.31	+21 49.2	1.456	2.392	10.1	21.0	11 7	4 29.05	+25 33.8	1.931	2.860	8.4	19.4
11 17	4 21.93	+21 36.9	1.438	2.413	5.1	20.7	11 17	4 20.29	+25 19.6	1.896	2.867	4.5	19.2
11 27	4 10.51	+21 19.4	1.447	2.434	0.2	20.4	11 27	4 10.59	+24 57.5	1.890	2.875	1.3	19.0
12 7	3 59.53	+20 59.5	1.485	2.455	5.2	20.8	12 7	4 1.06	+24 29.9	1.913	2.882	4.2	19.2
12 17	3 50.29	+20 41.0	1.549	2.475	9.8	21.2	12 17	3 52.75	+24 0.2	1.964	2.889	8.1	19.4
12 27	3 43.76	+20 28.0	1.639	2.495	13.7	21.4	12 27	3 46.51	+23 32.6	2.042	2.896	11.5	19.7
251287	2006 <i>WK</i> ₁₁₆		11 26.8 26°13'	3°0'/28.1 18			132493	2002 <i>JP</i> ₃₀		11 26.8 145°43'	2°0'/25.8 18		
10 18	4 39.91	+29 50.5	1.873	2.643	16.3	20.8	10 18	4 40.65	+17 16.5	2.146	2.923	14.3	21.4
10 28	4 36.10	+30 2.3	1.789	2.645	13.3	20.5	10 28	4 35.88	+16 43.6	2.065	2.932	11.3	21.2
11 7	4 29.45	+30 3.3	1.725	2.648	9.7	20.3	11 7	4 28.85	+16 7.3	2.007	2.940	7.9	21.0
11 17	4 20.57	+29 51.3	1.685	2.650	5.8	20.1	11 17	4 20.13	+15 29.7	1.975	2.949	4.2	20.8
11 27	4 10.54	+29 26.0	1.673	2.653	3.1	19.9	11 27	4 10.60	+14 53.3	1.973	2.956	2.1	20.7
12 7	4 0.67	+28 49.5	1.688	2.656	5.1	20.1	12 7	4 1.26	+14 21.4	2.001	2.963	5.0	20.9
12 17	3 52.18	+28 6.4	1.732	2.659	8.8	20.3	12 17	3 53.05	+13 57.0	2.058	2.969	8.6	21.1
12 27	3 46.05	+27 22.5	1.801	2.662	12.4	20.5	12 27	3 46.74	+13 42.2	2.140	2.975	11.8	21.3
325315	2008 <i>HY</i> ₆₈		11 26.8 70°93'	4°9'/24.9 18			136786	1996 <i>XX</i> ₄		11 26.8 66°20'	4°0'/28.0 18	R	
10 18	4 37.84	+ 7 36.2	2.099	2.882	14.4	20.4	10 18	4 46.10	+29 17.2	1.340	2.127	20.8	19.6
10 28	4 33.62	+ 7 8.0	2.028	2.893	11.6	20.3	10 28	4 41.96	+29 51.7	1.278	2.144	16.9	19.4
11 7	4 27.26	+ 6 44.3	1.979	2.903	8.6	20.1	11 7	4 33.98	+30 14.2	1.234	2.161	12.3	19.2
11 17	4 19.30	+ 6 28.2	1.955	2.913	5.8	19.9	11 17	4 22.98	+30 20.4	1.212	2.178	7.4	18.9
11 27	4 10.58	+ 6 22.6	1.959	2.924	4.9	19.9	11 27	4 10.53	+30 8.5	1.215	2.195	4.0	18.8
12 7	4 2.05	+ 6 29.3	1.992	2.934	6.8	20.0	12 7	3 58.54	+29 40.8	1.245	2.213	6.4	19.0
12 17	3 54.58	+ 6 49.0	2.052	2.945	9.6	20.2	12 17	3 48.69	+29 3.6	1.301	2.230	10.9	19.3
12 27	3 48.89	+ 7 21.0	2.137	2.956	12.4	20.4	12 27	3 42.17	+28 24.9	1.379	2.247	15.1	19.6
365015	2008 <i>OY</i> ₆		11 26.8 107°03'	0°5'/27.1 18			2						

EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
333580	2006 SQ ₃₁₅		11 26.8 174°16'	1.6°/27.3	18		25113	Benwasserman		11 26.8 108°92'	2.0°/27.6	18	
10 18	4 46.55	+25 0.4	1.890	2.656	16.4	21.8	10 18	4 42.26	+27 3.4	1.963	2.732	15.8	19.3
10 28	4 41.26	+25 18.2	1.802	2.659	13.2	21.6	10 28	4 37.66	+27 11.3	1.885	2.742	12.7	19.1
11 7	4 33.02	+25 29.5	1.735	2.662	9.4	21.3	11 7	4 30.36	+27 10.5	1.827	2.753	9.0	18.9
11 17	4 22.42	+25 32.2	1.693	2.664	5.1	21.1	11 17	4 21.01	+26 59.6	1.794	2.763	5.1	18.7
11 27	4 10.55	+25 25.6	1.680	2.665	1.6	20.9	11 27	4 10.65	+26 38.8	1.789	2.773	2.0	18.5
12 7	3 58.78	+25 11.2	1.696	2.665	4.8	21.1	12 7	4 0.51	+26 10.3	1.814	2.783	4.5	18.7
12 17	3 48.39	+24 52.3	1.742	2.665	9.1	21.3	12 17	3 51.72	+25 37.8	1.867	2.793	8.4	19.0
12 27	3 40.46	+24 33.6	1.813	2.664	12.9	21.6	12 27	3 45.19	+25 6.3	1.946	2.802	11.9	19.2
268328	2005 SG ₇₄		11 26.8 149°03'	2.7°/25.6	18		266672	2008 YD ₁₆₈		11 26.8 348°45'	4.4°/27.6	18	
10 18	4 42.54	+16 15.8	1.902	2.684	15.7	21.7	10 18	4 44.92	+27 43.8	1.626	2.402	18.2	19.8
10 28	4 37.67	+15 37.2	1.824	2.693	12.5	21.5	10 28	4 40.87	+28 58.2	1.540	2.399	14.9	19.6
11 7	4 30.24	+14 55.6	1.767	2.701	8.7	21.3	11 7	4 33.35	+30 7.9	1.474	2.397	11.0	19.3
11 17	4 20.89	+14 13.2	1.737	2.709	4.8	21.1	11 17	4 22.87	+31 7.6	1.432	2.395	7.0	19.1
11 27	4 10.60	+13 33.6	1.735	2.716	2.7	21.0	11 27	4 10.60	+31 52.4	1.417	2.393	4.4	18.9
12 7	4 0.55	+13 0.5	1.762	2.722	5.8	21.2	12 7	3 58.19	+32 20.3	1.429	2.392	6.5	19.1
12 17	3 51.79	+12 37.0	1.818	2.728	9.6	21.4	12 17	3 47.31	+32 32.9	1.469	2.391	10.5	19.3
12 27	3 45.18	+12 25.4	1.898	2.733	13.1	21.6	12 27	3 39.30	+32 35.6	1.532	2.391	14.4	19.5
260029	2004 GQ ₂₅		11 26.8 95°94'	3.8°/24.6	18		147471	2004 BF ₁₄₉		11 26.8 2°88'	0.7°/26.9	18	
10 18	4 39.25	+12 29.8	2.265	3.042	13.6	21.7	10 18	4 41.18	+23 13.0	1.383	2.186	19.5	20.9
10 28	4 34.41	+11 26.3	2.202	3.066	10.8	21.5	10 28	4 37.98	+23 15.1	1.305	2.185	15.7	20.6
11 7	4 27.61	+10 22.4	2.162	3.090	7.7	21.4	11 7	4 31.27	+23 9.4	1.246	2.185	11.0	20.4
11 17	4 19.41	+9 21.7	2.149	3.113	4.8	21.2	11 17	4 21.72	+22 55.1	1.210	2.185	5.7	20.1
11 27	4 10.65	+8 28.4	2.166	3.136	3.9	21.2	11 27	4 10.64	+22 33.0	1.199	2.186	0.7	19.7
12 7	4 2.19	+7 45.9	2.213	3.158	6.0	21.4	12 7	3 59.71	+22 6.4	1.215	2.187	5.7	20.1
12 17	3 54.83	+7 16.5	2.288	3.180	8.8	21.6	12 17	3 50.52	+21 40.0	1.256	2.188	11.0	20.4
12 27	3 49.19	+7 1.3	2.389	3.201	11.5	21.8	12 27	3 44.28	+21 19.2	1.321	2.189	15.6	20.7
241232	2007 TA ₁₇₈		11 26.8 81°13'	1.2°/27.2	18		221559	2006 UD ₂₃₇		11 26.8 285°19'	1.4°/26.3	18	
10 18	4 43.45	+24 23.2	1.815	2.591	16.6	21.0	10 18	4 40.54	+19 14.0	1.502	2.304	18.3	21.1
10 28	4 38.62	+24 35.4	1.748	2.611	13.2	20.9	10 28	4 37.41	+18 58.9	1.403	2.284	14.8	20.9
11 7	4 31.00	+24 40.7	1.701	2.631	9.2	20.7	11 7	4 30.96	+18 38.4	1.324	2.264	10.4	20.5
11 17	4 21.29	+24 38.0	1.679	2.651	4.9	20.5	11 17	4 21.67	+18 13.6	1.267	2.243	5.4	20.2
11 27	4 10.61	+24 27.5	1.685	2.671	1.2	20.2	11 27	4 10.64	+17 46.4	1.237	2.223	1.5	19.9
12 7	4 0.25	+24 11.3	1.720	2.690	4.6	20.5	12 7	3 59.40	+17 20.7	1.233	2.202	6.3	20.2
12 17	3 51.39	+23 52.8	1.784	2.709	8.7	20.8	12 17	3 49.53	+17 0.8	1.256	2.181	11.6	20.4
12 27	3 44.91	+23 36.0	1.873	2.728	12.3	21.1	12 27	3 42.37	+16 50.9	1.301	2.161	16.4	20.6
516429	2003 UR ₂₄₈		11 26.8 73°02'	7.7°/21.7	18		177003	2003 AC ₆₂		11 26.8 357°17'	26.7°/19.6	17	
10 18	4 36.25	+ 2 34.5	2.223	2.999	13.9	21.0	10 18	4 37.53	-23 47.5	0.928	1.697	29.3	18.9
10 28	4 32.14	+ 0 40.7	2.164	3.014	11.5	20.9	10 28	4 36.03	-26 35.3	0.900	1.693	28.1	18.8
11 7	4 26.11	- 1 8.0	2.128	3.029	9.3	20.8	11 7	4 30.31	-28 39.9	0.882	1.690	27.2	18.7
11 17	4 18.70	- 2 45.0	2.119	3.045	7.8	20.7	11 17	4 21.29	-29 44.2	0.876	1.689	26.8	18.7
11 27	4 10.68	- 4 4.0	2.138	3.060	7.9	20.7	11 27	4 10.65	-29 35.8	0.881	1.689	26.9	18.7
12 7	4 2.90	- 5 0.8	2.185	3.075	9.3	20.9	12 7	4 0.48	-28 13.0	0.898	1.689	27.6	18.7
12 17	3 56.13	- 5 33.6	2.257	3.090	11.4	21.0	12 17	3 52.58	-25 43.0	0.926	1.691	28.6	18.8
12 27	3 51.00	- 5 43.3	2.352	3.105	13.4	21.2	12 27	3 48.19	-22 20.3	0.966	1.695	29.9	19.0
331580	2001 RP ₉₀		11 26.8 51°84'	1.9°/26.2	18		120589	1995 SP ₃₄		11 26.8 334°08'	1.3°/26.2	18	
10 18	4 43.28	+17 40.6	1.277	2.087	20.5	20.7	10 18	4 37.61	+18 49.2	1.999	2.787	14.9	20.9
10 28	4 39.21	+17 28.9	1.227	2.111	16.1	20.5	10 28	4 33.87	+18 31.0	1.912	2.785	11.8	20.6
11 7	4 31.71	+17 14.5	1.195	2.137	11.1	20.3	11 7	4 27.72	+18 8.9	1.847	2.783	8.2	20.4
11 17	4 21.69	+16 59.0	1.186	2.162	5.7	20.1	11 17	4 19.70	+17 44.2	1.807	2.782	4.2	20.2
11 27	4 10.61	+16 44.8	1.203	2.188	2.0	19.9	11 27	4 10.70	+17 18.9	1.795	2.780	1.4	20.0
12 7	4 0.12	+16 35.1	1.246	2.214	6.3	20.3	12 7	4 1.79	+16 55.9	1.812	2.779	4.8	20.2
12 17	3 51.63	+16 32.7	1.315	2.241	11.1	20.6	12 17	3 53.99	+16 38.0	1.857	2.777	8.8	20.5
12 27	3 46.08	+16 39.8	1.406	2.267	15.3	21.0	12 27	3 48.16	+16 27.9	1.928	2.776	12.3	20.7
235711	2004 TL ₆₉		11 26.8 358°35'	2.5°/27.4	18		256705	2008 AR ₁₀		11 26.8 121°34'	0.6°/26.5	18	
10 18	4 41.63	+25 6.8	1.488	2.282	18.8	19.9	10 18	4 40.21	+20 44.5	2.267	3.039	13.8	21.8
10 28	4 38.27	+25 45.6	1.407	2.280	15.2	19.7	10 28	4 35.45	+20 27.0	2.189	3.052	10.9	21.6
11 7	4 31.47	+26 18.4	1.346	2.279	10.9	19.4	11 7	4 28.53	+20 4.7	2.133	3.065	7.5	21.4
11 17	4 21.84	+26 42.2	1.308	2.279	6.1	19.1	11 17	4 19.99	+19 38.5	2.104	3.078	3.8	21.2
11 27	4 10.60	+26 54.9	1.295	2.279	2.5	18.9	11 27	4 10.70	+19 10.0	2.104	3.090	0.6	21.0
12 7	3 59.39	+26 56.9	1.309	2.279	5.7	19.1	12 7	4 1.62	+18 42.0	2.135	3.102	4.1	21.3
12 17	3 49.81	+26 51.5	1.350	2.280	10.5	19.4	12 17	3 53.63	+18 17.1	2.195	3.114	7.7	21.5
12 27	3 43.11	+26 43.7	1.414	2.281	14.8	19.7	12 27	3 47.48	+17 58.2	2.281	3.125	10.9	21.7
418459	2008 RP ₃₇		11 26.8 96°55'	4.9°/29.2	17		63314	2001 FJ ₃₃		11 26.8 202°62'	8.3°/23.1	18	
10 18	4 41.36	+36 19.4	2.438	3.167	14.0	21.3	10 18	4 38.03	+ 1 28.6	1.894	2.675	15.8	19.4
10 28	4 36.77	+36 56.4	2.352	3.173	11.7	21.2	10 28	4 34.12	+ 0 13.7	1.820	2.674	13.2	19.2
11 7	4 29.69	+37 22.2	2.286	3.179	9.1	21.0	11 7	4 27.83	- 0 54.1	1.767	2.672	10.6	19.0
11 17	4 20.67	+37 33.5	2.245	3.185	6.6	20.9	11 17	4 19.73	- 1 48.7	1.738	2.671	8.7	18.9
11 27	4 10.64	+37 28.4	2.232	3.191	5.0	20.8	11 27	4 10.70	- 2 23.8	1.736	2.670	8.5	18.9
12 7	4 0.70	+37 7.5	2.247	3.196	5.7	20.8	12 7	4 1.81	- 2 35.9	1.760	2.668	10.1	19.0
12 17	3 51.92	+36 34.0	2.291	3.202	7.9	21.0	12 17	3 54.04	- 2 24.0	1.809	2.666	12.6	19.2
12 27	3 45.17	+35 52.9	2.362	3.207	10.5	21.2	12 27	3 48.22	- 1 50.0	1.880	2.664	15.2	19.3
475905	2007 DO ₇₆		11 26.8 188°64'	0.7°/26.5	18		252863	2002 HS ₁		11 26.8 220°12'	2.3°/25.9		

EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
42026	2000 YF ₈₆		11 26.8	45°71	1°9/26.2	18	437226	2012 XJ ₄		11 26.8	39°43	5°8/24.4	18
10 18	4 40.25	+18 3.3	1.424	2.231	18.9	18.8	10 18	4 38.81	+14 14.9	1.206	2.030	20.6	19.2
10 28	4 36.66	+17 45.3	1.363	2.247	14.9	18.6	10 28	4 35.60	+12 36.0	1.163	2.055	16.3	19.0
11 7	4 29.94	+17 23.7	1.322	2.263	10.3	18.3	11 7	4 29.12	+10 54.9	1.140	2.081	11.5	18.8
11 17	4 20.86	+17 0.5	1.304	2.279	5.3	18.1	11 17	4 20.35	+9 19.9	1.139	2.108	7.2	18.6
11 27	4 10.68	+16 38.4	1.312	2.297	1.9	17.9	11 27	4 10.72	+7 59.6	1.163	2.136	6.0	18.6
12 7	4 0.91	+16 20.8	1.346	2.314	6.0	18.2	12 7	4 1.77	+7 1.1	1.213	2.165	9.0	18.9
12 17	3 52.83	+16 11.0	1.407	2.332	10.7	18.6	12 17	3 54.74	+6 27.7	1.287	2.194	13.1	19.2
12 27	3 47.40	+16 11.2	1.491	2.350	14.7	18.8	12 27	3 50.46	+6 18.9	1.382	2.223	16.7	19.5
484250	2007 FJ ₄₅		11 26.8	240°14	0°9/27.2	17	136741	1995 VL ₁₆		11 26.8	34°95	0°5/26.6	18
10 18	4 38.68	+24 39.2	2.410	3.176	13.2	22.6	10 18	4 39.86	+21 57.4	1.063	1.891	22.5	19.0
10 28	4 34.44	+24 37.6	2.309	3.167	10.6	22.4	10 28	4 37.30	+21 38.5	1.015	1.910	17.9	18.8
11 7	4 28.00	+24 29.6	2.230	3.158	7.5	22.2	11 7	4 30.82	+21 10.8	0.983	1.929	12.3	18.5
11 17	4 19.83	+24 14.9	2.177	3.149	4.0	21.9	11 17	4 21.40	+20 35.6	0.973	1.950	6.2	18.3
11 27	4 10.71	+23 53.9	2.154	3.139	0.9	21.7	11 27	4 10.71	+19 56.4	0.986	1.972	0.6	18.0
12 7	4 1.60	+23 28.5	2.160	3.130	3.9	21.9	12 7	4 0.67	+19 18.8	1.023	1.995	6.4	18.4
12 17	3 53.43	+23 1.5	2.196	3.120	7.4	22.1	12 17	3 52.88	+18 48.6	1.084	2.019	12.0	18.8
12 27	3 47.00	+22 36.5	2.259	3.110	10.7	22.3	12 27	3 48.40	+18 30.3	1.167	2.043	16.6	19.2
275462	2011 DH ₃		11 26.8	82°51	10°5/21.1	18	339083	2004 RK ₇₁		11 26.8	312°20	3°2/25.5	18
10 18	4 35.47	-12 2.6	2.443	3.171	14.0	20.1	10 18	4 38.20	+16 53.9	1.569	2.373	17.5	20.8
10 28	4 31.45	-13 26.1	2.392	3.183	12.5	20.1	10 28	4 35.02	+16 5.1	1.485	2.367	14.0	20.5
11 7	4 25.62	-14 35.0	2.362	3.194	11.3	20.0	11 7	4 28.90	+15 11.0	1.421	2.361	9.8	20.3
11 17	4 18.48	-15 23.4	2.355	3.205	10.5	20.0	11 17	4 20.44	+14 14.7	1.382	2.356	5.4	20.0
11 27	4 10.75	-15 46.9	2.372	3.216	10.6	20.0	11 27	4 10.72	+13 21.1	1.369	2.350	3.3	19.9
12 7	4 3.21	-15 43.7	2.413	3.227	11.4	20.1	12 7	4 1.12	+12 35.7	1.383	2.345	6.8	20.1
12 17	3 56.58	-15 14.6	2.477	3.238	12.6	20.2	12 17	3 52.91	+12 3.0	1.423	2.340	11.3	20.3
12 27	3 51.48	-14 22.8	2.561	3.249	14.0	20.3	12 27	3 47.13	+11 46.2	1.486	2.335	15.3	20.5
231468	2007 PT ₂₆		11 26.8	288°98	10°1/3.5	18	282169	2001 SV ₃₁₇		11 26.8	72°41	6°6/23.8	18
10 18	4 48.38	+54 10.6	2.487	3.117	15.9	20.1	10 18	4 37.66	+6 0.9	1.884	2.673	15.6	20.8
10 28	4 43.54	+54 56.8	2.383	3.102	14.5	20.0	10 28	4 33.68	+4 49.3	1.822	2.687	12.7	20.6
11 7	4 35.07	+55 24.0	2.296	3.086	12.9	19.8	11 7	4 27.41	+3 42.3	1.781	2.700	9.7	20.4
11 17	4 23.65	+55 25.4	2.230	3.071	11.4	19.7	11 17	4 19.46	+2 45.2	1.765	2.714	7.2	20.3
11 27	4 10.62	+54 55.7	2.186	3.056	10.4	19.6	11 27	4 10.76	+2 3.5	1.777	2.728	6.8	20.3
12 7	3 57.75	+53 54.1	2.167	3.040	10.2	19.5	12 7	4 2.32	+1 40.5	1.815	2.742	8.6	20.5
12 17	3 46.70	+52 24.6	2.174	3.025	11.0	19.6	12 17	3 55.09	+1 37.7	1.880	2.756	11.3	20.7
12 27	3 38.72	+50 35.4	2.205	3.010	12.6	19.7	12 27	3 49.79	+1 53.9	1.968	2.770	14.0	20.9
408440	2013 HN ₂₁		11 26.8	86°69	1°2/26.2	18	171623	2000 CL ₉₈		11 26.8	298°28	0°1/26.8	18
10 18	4 39.31	+18 28.2	2.339	3.113	13.4	21.4	10 18	4 38.74	+22 29.1	1.787	2.576	16.3	20.9
10 28	4 34.56	+18 9.9	2.272	3.137	10.5	21.2	10 28	4 35.31	+22 21.1	1.693	2.566	13.1	20.7
11 7	4 27.79	+17 48.8	2.227	3.160	7.2	21.1	11 7	4 29.06	+22 6.4	1.619	2.555	9.2	20.4
11 17	4 19.57	+17 26.0	2.209	3.183	3.7	20.9	11 17	4 20.53	+21 45.0	1.570	2.545	4.7	20.1
11 27	4 10.73	+17 3.2	2.220	3.205	1.3	20.7	11 27	4 10.73	+21 18.1	1.548	2.534	0.1	19.7
12 7	4 2.15	+16 42.8	2.262	3.227	4.2	21.0	12 7	4 0.92	+20 48.7	1.554	2.524	4.9	20.1
12 17	3 54.64	+16 27.0	2.333	3.249	7.5	21.2	12 17	3 52.36	+20 20.6	1.588	2.515	9.5	20.3
12 27	3 48.86	+16 17.6	2.431	3.271	10.4	21.5	12 27	3 46.08	+19 58.2	1.646	2.505	13.5	20.6
104157	2000 EW ₆₉		11 26.8	316°25	7°2/22.6	17	10421	Dalmatin		11 26.8	59°27	0°7/26.5	18
10 18	4 33.51	+5 14.3	2.019	2.812	14.6	19.6	10 18	4 43.40	+21 14.4	1.373	2.175	19.7	17.4
10 28	4 30.57	+3 49.4	1.929	2.795	12.0	19.4	10 28	4 39.17	+20 55.6	1.319	2.199	15.6	17.2
11 7	4 25.44	+2 26.3	1.860	2.778	9.5	19.2	11 7	4 31.64	+20 30.1	1.284	2.223	10.7	17.0
11 17	4 18.57	+1 11.2	1.817	2.761	7.5	19.0	11 17	4 21.69	+19 58.8	1.272	2.248	5.4	16.7
11 27	4 10.75	+0 10.4	1.801	2.745	7.4	19.0	11 27	4 10.71	+19 24.6	1.286	2.273	0.7	16.5
12 7	4 2.93	-0 31.1	1.811	2.729	9.2	19.1	12 7	4 0.31	+18 51.7	1.328	2.298	5.7	16.9
12 17	3 56.05	-0 50.3	1.847	2.714	12.0	19.2	12 17	3 51.82	+18 24.7	1.395	2.323	10.5	17.2
12 27	3 50.90	-0 47.1	1.906	2.699	14.7	19.4	12 27	3 46.17	+18 7.3	1.487	2.347	14.6	17.5
404537	2013 JH ₇		11 26.8	264°26	0°3/26.9	17	445593	2011 SO ₅₀		11 26.8	76°11	0°2/26.7	18
10 18	4 38.39	+25 22.3	2.157	2.930	14.4	20.6	10 18	4 41.10	+21 57.0	1.754	2.541	16.7	21.7
10 28	4 34.42	+24 44.4	2.057	2.920	11.5	20.4	10 28	4 36.87	+21 46.2	1.683	2.554	13.2	21.5
11 7	4 28.07	+23 56.2	1.979	2.911	8.1	20.2	11 7	4 29.88	+21 29.3	1.632	2.568	9.2	21.3
11 17	4 19.88	+22 58.4	1.928	2.901	4.2	19.9	11 17	4 20.80	+21 6.5	1.606	2.581	4.6	21.1
11 27	4 10.72	+21 53.4	1.905	2.891	0.3	19.6	11 27	4 10.74	+20 39.6	1.608	2.595	0.2	20.8
12 7	4 1.66	+20 45.2	1.912	2.882	4.3	19.9	12 7	4 0.96	+20 11.6	1.638	2.608	4.8	21.2
12 17	3 53.70	+19 39.1	1.948	2.872	8.3	20.1	12 17	3 52.63	+19 46.3	1.696	2.622	9.1	21.5
12 27	3 47.67	+18 40.1	2.011	2.862	11.8	20.3	12 27	3 46.62	+19 27.3	1.780	2.635	12.9	21.7
133371	2003 SG ₁₄₄		11 26.8	123°77	1°0/27.4	18	432875	2011 JT ₂₉		11 26.8	56°81	2°5/26.3	18
10 18	4 42.76	+27 32.0	2.024	2.788	15.5	19.4	10 18	4 48.30	+13 30.3	1.436	2.228	19.5	20.1
10 28	4 37.81	+26 56.4	1.944	2.801	12.4	19.2	10 28	4 42.63	+13 50.4	1.390	2.263	15.4	19.9
11 7	4 30.30	+26 9.3	1.886	2.813	8.7	19.0	11 7	4 33.80	+14 13.3	1.364	2.299	10.6	19.8
11 17	4 20.93	+25 11.0	1.853	2.824	4.6	18.8	11 17	4 22.70	+14 39.2	1.362	2.335	5.6	19.6
11 27	4 10.71	+24 3.8	1.850	2.836	1.0	18.6	11 27	4 10.71	+15 8.2	1.387	2.370	2.5	19.5
12 7	4 0.83	+22 52.4	1.877	2.847	4.3	18.8	12 7	3 59.36	+15 40.5	1.440	2.406	6.0	19.8
12 17	3 52.33	+21 42.2	1.933	2.857	8.3	19.1	12 17	3 49.92	+16 16.3	1.521	2.441	10.4	20.1
12 27	3 46.01	+20 39.0	2.016	2.867	11.8	19.3	12 27	3 43.29	+16 56.1	1.626	2.476	14.2	20.4
364878	2008 EU ₁₁		11 26.8	309°07	2°4/25.9	18	483426	2000 FU ₁₀		11 26.8	187°18	7°0/21.2	17
10 18	4 38.35</												

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
156830	2003 BA ₈₀		11 26.8 330°06	0°9/26.5	18		101427	1998 VA ₂₅		11 26.8 85°48	2°7/25.7	18	
10 18	4 37.88	+20 33.6	1.348	2.162	19.4	20.8	10 18	4 41.40	+17 55.0	1.540	2.339	18.0	19.5
10 28	4 35.51	+20 21.7	1.264	2.152	15.6	20.5	10 28	4 37.36	+17 5.2	1.472	2.351	14.3	19.3
11 7	4 29.70	+20 3.4	1.199	2.142	10.9	20.2	11 7	4 30.34	+16 9.9	1.424	2.363	9.9	19.1
11 17	4 21.03	+19 39.2	1.156	2.133	5.6	19.9	11 17	4 21.09	+15 12.4	1.400	2.375	5.3	18.8
11 27	4 10.74	+19 11.5	1.139	2.125	0.9	19.6	11 27	4 10.79	+14 17.5	1.404	2.386	2.8	18.7
12 7	4 0.47	+18 44.3	1.147	2.117	6.2	19.9	12 7	4 0.85	+13 30.3	1.435	2.398	6.4	19.0
12 17	3 51.80	+18 22.1	1.180	2.111	11.6	20.2	12 17	3 52.50	+12 55.4	1.492	2.409	10.8	19.3
12 27	3 46.00	+18 9.6	1.235	2.104	16.4	20.5	12 27	3 46.68	+12 35.4	1.574	2.421	14.7	19.5
192210	2007 JY ₄₁		11 26.8 188°29	8°1/22.2	18		88752	2001 SC ₅₆		11 26.8 69°18	5°2/25.0	18	
10 18	4 35.79	- 5 36.2	2.679	3.424	12.5	20.6	10 18	4 41.24	+11 28.7	1.479	2.282	18.5	19.8
10 28	4 31.62	- 6 40.3	2.605	3.423	10.8	20.4	10 28	4 37.17	+10 35.8	1.421	2.299	14.7	19.6
11 7	4 25.73	- 7 35.0	2.554	3.422	9.3	20.3	11 7	4 30.15	+ 9 44.3	1.383	2.317	10.6	19.4
11 17	4 18.59	- 8 15.3	2.527	3.421	8.2	20.3	11 17	4 20.95	+ 8 58.9	1.368	2.335	6.7	19.2
11 27	4 10.81	- 8 37.3	2.528	3.420	8.2	20.3	11 27	4 10.80	+ 8 24.9	1.380	2.352	5.3	19.2
12 7	4 3.12	- 8 38.7	2.555	3.418	9.2	20.3	12 7	4 1.06	+ 8 6.1	1.418	2.370	8.0	19.4
12 17	3 56.21	- 8 19.5	2.607	3.416	10.8	20.4	12 17	3 52.93	+ 8 4.5	1.482	2.387	11.8	19.7
12 27	3 50.68	- 7 41.2	2.682	3.414	12.5	20.6	12 27	3 47.31	+ 8 19.8	1.569	2.405	15.3	19.9
283656	2002 MZ ₁		11 26.8 18°02	10°9/27.3	17		484185	2006 UO ₃₆₀		11 26.8 39°10	0°7/27.1	18	
10 18	4 38.36	- 2 49.0	0.909	1.741	25.2	18.1	10 18	4 39.26	+23 52.2	1.827	2.612	16.2	21.5
10 28	4 36.09	- 2 44.2	0.877	1.761	21.1	17.9	10 28	4 35.50	+23 51.0	1.747	2.617	12.9	21.3
11 7	4 29.93	- 2 13.2	0.859	1.783	16.6	17.7	11 7	4 29.03	+23 42.8	1.688	2.622	9.0	21.0
11 17	4 20.92	- 1 10.3	0.860	1.809	12.7	17.6	11 17	4 20.45	+23 27.1	1.653	2.627	4.7	20.8
11 27	4 10.76	+ 0 25.3	0.881	1.837	10.9	17.6	11 27	4 10.81	+23 4.8	1.646	2.633	0.7	20.5
12 7	4 1.35	+ 2 27.8	0.924	1.868	12.4	17.8	12 7	4 1.34	+22 38.7	1.668	2.638	4.6	20.8
12 17	3 54.22	+ 4 47.7	0.989	1.900	15.6	18.1	12 17	3 53.19	+22 12.3	1.717	2.644	8.8	21.1
12 27	3 50.36	+ 7 15.2	1.075	1.934	19.1	18.5	12 27	3 47.29	+21 49.7	1.791	2.651	12.6	21.3
52639	1997 WF ₄₅		11 26.8 292°11	1°6/26.3	18		323635	2004 XZ ₇		11 26.8 15°59	3°5/25.9	18	
10 18	4 39.82	+16 9.3	1.934	2.721	15.3	18.4	10 18	4 38.28	+10 52.6	1.869	2.661	15.6	19.7
10 28	4 35.86	+16 15.3	1.839	2.711	12.3	18.1	10 28	4 34.48	+10 52.5	1.791	2.664	12.5	19.5
11 7	4 29.29	+16 21.4	1.766	2.701	8.6	17.9	11 7	4 28.20	+10 56.2	1.735	2.668	8.9	19.3
11 17	4 20.63	+16 28.2	1.717	2.691	4.5	17.6	11 17	4 20.01	+11 5.7	1.704	2.673	5.3	19.1
11 27	4 10.77	+16 36.5	1.697	2.682	1.7	17.4	11 27	4 10.84	+11 22.8	1.700	2.678	3.6	19.0
12 7	4 0.84	+16 47.8	1.706	2.672	5.1	17.6	12 7	4 1.77	+11 48.2	1.724	2.683	6.0	19.2
12 17	3 52.01	+17 3.3	1.742	2.663	9.3	17.8	12 17	3 53.87	+12 22.4	1.776	2.689	9.7	19.4
12 27	3 45.23	+17 24.6	1.804	2.653	13.0	18.1	12 27	3 47.99	+13 4.9	1.853	2.696	13.0	19.7
975	Perseverantia		11 26.8 327°26	0°6/27.0	18		265535	2005 NJ ₇₄		11 26.8 181°73	2°1/26.1	18	
10 18	4 39.02	+23 13.3	1.981	2.761	15.2	14.9	10 18	4 43.36	+16 56.0	1.847	2.629	16.1	22.0
10 28	4 35.17	+23 16.9	1.892	2.759	12.2	14.7	10 28	4 38.63	+16 36.8	1.761	2.630	12.9	21.8
11 7	4 28.74	+23 14.7	1.824	2.757	8.5	14.5	11 7	4 31.16	+16 15.0	1.696	2.630	9.0	21.6
11 17	4 20.30	+23 6.1	1.781	2.755	4.4	14.3	11 17	4 21.55	+15 52.0	1.657	2.630	4.7	21.3
11 27	4 10.77	+22 51.9	1.767	2.753	0.6	14.0	11 27	4 10.81	+15 30.1	1.646	2.629	2.1	21.1
12 7	4 1.31	+22 33.8	1.781	2.751	4.4	14.3	12 7	4 0.18	+15 12.2	1.664	2.628	5.5	21.4
12 17	3 53.01	+22 15.0	1.824	2.750	8.5	14.5	12 17	3 50.84	+15 1.2	1.710	2.626	9.7	21.6
12 27	3 46.80	+21 59.1	1.892	2.748	12.2	14.7	12 27	3 43.74	+14 59.4	1.782	2.624	13.5	21.8
139658	2001 QY ₁₈₄		11 26.8 71°00	2°5/25.5	18		446391	2014 HL ₁₇₅		11 26.8 168°26	1°5/27.5	18	
10 18	4 39.13	+17 59.9	1.845	2.635	15.8	20.0	10 18	4 42.29	+26 28.4	2.370	3.126	13.7	22.0
10 28	4 34.97	+17 3.0	1.778	2.652	12.5	19.8	10 28	4 37.27	+26 33.9	2.279	3.130	11.0	21.9
11 7	4 28.36	+16 1.1	1.732	2.669	8.6	19.6	11 7	4 29.95	+26 32.3	2.211	3.134	7.8	21.7
11 17	4 19.96	+14 57.4	1.713	2.686	4.6	19.4	11 17	4 20.84	+26 22.4	2.168	3.137	4.3	21.4
11 27	4 10.79	+13 56.5	1.721	2.703	2.6	19.3	11 27	4 10.83	+26 4.3	2.156	3.140	1.6	21.3
12 7	4 1.96	+13 2.9	1.759	2.720	5.7	19.6	12 7	4 0.91	+25 39.6	2.173	3.142	4.0	21.4
12 17	3 54.46	+12 20.8	1.825	2.737	9.4	19.8	12 17	3 52.08	+25 11.6	2.221	3.143	7.4	21.7
12 27	3 49.05	+11 52.6	1.915	2.754	12.8	20.1	12 27	3 45.13	+24 43.9	2.296	3.144	10.6	21.9
169423	2001 YV ₁₁		11 26.8 243°19	3°1/27.8	18		367454	2008 UB ₁₁₄		11 26.8 39°91	0°1/26.9	18	
10 18	4 44.19	+28 34.9	1.462	2.247	19.5	20.1	10 18	4 36.50	+23 20.6	2.150	2.930	14.2	20.6
10 28	4 40.54	+28 48.4	1.375	2.241	15.9	19.8	10 28	4 32.79	+23 0.7	2.071	2.939	11.3	20.4
11 7	4 33.21	+28 50.2	1.307	2.236	11.6	19.5	11 7	4 26.85	+22 33.9	2.014	2.948	7.8	20.2
11 17	4 22.84	+28 37.1	1.262	2.230	6.8	19.3	11 17	4 19.26	+22 0.9	1.983	2.958	4.0	20.0
11 27	4 10.73	+28 7.9	1.242	2.224	3.1	19.0	11 27	4 10.86	+21 23.7	1.981	2.967	0.1	19.7
12 7	3 58.68	+27 25.1	1.249	2.218	6.0	19.2	12 7	4 2.67	+20 45.1	2.008	2.978	4.0	20.1
12 17	3 48.40	+26 34.9	1.282	2.212	10.9	19.4	12 17	3 55.58	+20 8.8	2.063	2.988	7.8	20.3
12 27	3 41.21	+25 45.6	1.339	2.206	15.5	19.7	12 27	3 50.33	+19 38.2	2.145	2.999	11.0	20.5
368831	2006 CD ₅₃		11 26.8 203°87	4°9/24.2	17		439013	2011 AT ₅₉		11 26.8 241°65	3°7/25.5	18	
10 18	4 36.17	+ 5 11.7	2.766	3.532	11.7	22.1	10 18	4 42.57	+13 8.4	1.822	2.607	16.2	23.0
10 28	4 31.91	+ 4 31.9	2.677	3.529	9.5	21.9	10 28	4 38.20	+12 41.2	1.723	2.593	13.1	22.7
11 7	4 25.95	+ 3 55.8	2.611	3.524	7.3	21.8	11 7	4 31.05	+12 13.6	1.646	2.578	9.3	22.5
11 17	4 18.72	+ 3 26.7	2.573	3.520	5.4	21.6	11 17	4 21.60	+11 48.2	1.593	2.563	5.5	22.2
11 27	4 10.83	+ 3 7.5	2.563	3.515	5.0	21.6	11 27	4 10.82	+11 28.4	1.569	2.547	3.7	22.1
12 7	4 3.00	+ 3 0.3	2.583	3.509	6.4	21.7	12 7	3 59.94	+11 17.2	1.573	2.530	6.7	22.2
12 17	3 55.90	+ 3 6.2	2.631	3.504	8.6	21.8	12 17	3 50.22	+11 17.2	1.604	2.513	10.8	22.4
12 27	3 50.13	+ 3 25.0	2.705	3.498	10.9	22.0	12 27	3 42.71	+11 29.9	1.660	2.495	14.7	22.6
72888	2001 KW ₂₅		11 26.8 200°86	0°8/27.3	18		10120	Ypres		11 26.8 0°73	2°0/26.1	18	
10 18	4 37.78												

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
158144	2001 <i>FT</i> ₁₁₅		11 26.8 118°14'	3°2/25.1	18		251532	2008 <i>HE</i> ₃₀		11 26.8 321°25'	0°6/27.1	18	
10 18	4 36.22	+13 14.7	2.427	3.207	12.8	20.1	10 18	4 38.74	+23 38.4	2.013	2.793	15.0	21.0
10 28	4 32.17	+12 29.9	2.346	3.214	10.1	19.9	10 28	4 34.90	+23 34.0	1.924	2.791	12.0	20.8
11 7	4 26.22	+11 44.2	2.289	3.220	7.2	19.8	11 7	4 28.55	+23 22.9	1.856	2.789	8.4	20.6
11 17	4 18.89	+11 0.3	2.259	3.226	4.3	19.6	11 17	4 20.24	+23 5.0	1.814	2.787	4.4	20.3
11 27	4 10.88	+10 21.5	2.258	3.233	3.3	19.5	11 27	4 10.88	+22 41.2	1.799	2.786	0.6	20.0
12 7	4 3.01	+9 50.8	2.287	3.239	5.3	19.7	12 7	4 1.61	+22 13.9	1.814	2.784	4.3	20.3
12 17	3 56.05	+9 30.2	2.344	3.245	8.3	19.9	12 17	3 53.49	+21 46.5	1.856	2.782	8.4	20.5
12 27	3 50.65	+9 21.2	2.427	3.250	11.0	20.1	12 27	3 47.42	+21 22.9	1.925	2.781	12.0	20.8
341956	2008 <i>PQ</i> ₂₀		11 26.8 43°77'	1°3/26.6	18		78837	2003 <i>QG</i> ₄₃		11 26.8 21°74'	2°7/27.7	18	
10 18	4 43.81	+16 17.7	1.321	2.128	20.1	20.0	10 18	4 39.53	+26 58.1	1.908	2.683	15.9	18.4
10 28	4 39.82	+16 43.2	1.261	2.144	15.9	19.8	10 28	4 35.77	+27 35.5	1.828	2.690	12.8	18.2
11 7	4 32.37	+17 9.9	1.221	2.161	11.1	19.6	11 7	4 29.29	+28 6.2	1.770	2.696	9.3	18.0
11 17	4 22.23	+17 37.2	1.203	2.179	5.6	19.3	11 17	4 20.66	+28 27.7	1.736	2.704	5.4	17.8
11 27	4 10.81	+18 5.0	1.212	2.198	1.4	19.1	11 27	4 10.88	+28 38.4	1.730	2.711	2.7	17.6
12 7	3 59.75	+18 33.4	1.247	2.217	6.0	19.5	12 7	4 1.19	+28 39.2	1.752	2.720	4.9	17.8
12 17	3 50.57	+19 3.6	1.308	2.236	11.0	19.8	12 17	3 52.80	+28 32.5	1.802	2.729	8.6	18.0
12 27	3 44.35	+19 36.9	1.392	2.256	15.2	20.1	12 27	3 46.65	+28 22.5	1.877	2.738	12.0	18.3
446064	2013 <i>CC</i> ₁₃₇		11 26.8 286°31'	0°7/26.5	18		266584	2008 <i>HT</i> ₃₃		11 26.8 142°78'	4°0/25.5	18	
10 18	4 38.77	+20 46.9	1.866	2.654	15.7	21.9	10 18	4 43.08	+12 3.6	1.756	2.542	16.6	20.8
10 28	4 35.27	+20 31.4	1.764	2.636	12.6	21.7	10 28	4 38.37	+11 36.2	1.680	2.550	13.3	20.6
11 7	4 29.05	+20 10.1	1.682	2.619	8.9	21.4	11 7	4 30.95	+11 10.0	1.626	2.557	9.5	20.4
11 17	4 20.59	+19 43.5	1.626	2.601	4.5	21.1	11 17	4 21.43	+10 47.9	1.596	2.564	5.7	20.2
11 27	4 10.84	+19 13.4	1.597	2.583	0.7	20.8	11 27	4 10.87	+10 33.3	1.594	2.570	4.0	20.1
12 7	4 1.00	+18 42.8	1.596	2.565	5.0	21.1	12 7	4 0.50	+10 28.6	1.621	2.576	6.7	20.3
12 17	3 52.28	+18 15.6	1.624	2.548	9.6	21.3	12 17	3 51.49	+10 35.8	1.675	2.582	10.5	20.5
12 27	3 45.73	+17 55.7	1.676	2.530	13.6	21.5	12 27	3 44.76	+10 55.2	1.753	2.587	14.1	20.8
199223	2006 <i>AO</i> ₄₃		11 26.8 211°76'	3°2/28.7	18		157052	2003 <i>SH</i> ₁₃₈		11 26.8 75°05'	3°5/28.2	18	
10 18	4 39.90	+33 15.4	2.926	3.656	11.9	21.4	10 18	4 44.38	+30 25.2	2.287	3.032	14.4	19.5
10 28	4 35.16	+33 29.1	2.822	3.650	9.8	21.2	10 28	4 39.03	+31 11.6	2.217	3.056	11.7	19.4
11 7	4 28.38	+33 33.8	2.740	3.643	7.4	21.0	11 7	4 31.20	+31 49.7	2.169	3.080	8.7	19.2
11 17	4 20.04	+33 27.6	2.684	3.636	4.9	20.9	11 17	4 21.50	+32 16.6	2.147	3.104	5.5	19.1
11 27	4 10.86	+33 9.8	2.658	3.629	3.3	20.7	11 27	4 10.87	+32 30.4	2.154	3.127	3.6	19.0
12 7	4 1.70	+32 41.2	2.662	3.621	4.2	20.8	12 7	4 0.45	+32 31.6	2.191	3.151	4.8	19.1
12 17	3 53.40	+32 4.7	2.696	3.613	6.6	20.9	12 17	3 51.28	+32 22.9	2.257	3.174	7.6	19.3
12 27	3 46.71	+31 24.0	2.758	3.604	9.1	21.1	12 27	3 44.19	+32 8.3	2.349	3.197	10.4	19.5
265996	2006 <i>DA</i> ₁₀₃		11 26.8 296°84'	1°0/26.3	17		220655	2004 <i>RG</i> ₁₃₀		11 26.8 286°16'	1°0/26.4	17	
10 18	4 36.94	+19 17.7	2.288	3.068	13.4	21.6	10 18	4 37.50	+19 34.1	2.130	2.913	14.2	21.2
10 28	4 33.05	+19 2.0	2.198	3.066	10.7	21.4	10 28	4 33.72	+19 17.0	2.037	2.907	11.3	21.0
11 7	4 27.03	+18 42.7	2.130	3.065	7.4	21.2	11 7	4 27.64	+18 55.6	1.966	2.902	7.9	20.7
11 17	4 19.38	+18 20.7	2.088	3.063	3.8	21.0	11 17	4 19.75	+18 31.0	1.921	2.896	4.0	20.5
11 27	4 10.87	+17 57.7	2.076	3.062	1.0	20.8	11 27	4 10.90	+18 4.9	1.904	2.890	1.0	20.3
12 7	4 2.44	+17 36.0	2.093	3.060	4.3	21.0	12 7	4 2.10	+17 40.1	1.917	2.885	4.5	20.5
12 17	3 54.98	+17 18.2	2.139	3.059	7.8	21.2	12 17	3 54.32	+17 19.4	1.958	2.879	8.4	20.7
12 27	3 49.22	+17 6.7	2.211	3.057	11.1	21.4	12 27	3 48.40	+17 5.7	2.025	2.874	11.8	20.9
280538	2004 <i>RH</i> ₅₁		11 26.8 61°73'	0°5/26.9	18		420048	2011 <i>DL</i> ₁₉		11 26.8 248°34'	12°3/ 2.1	16	
10 18	4 43.27	+22 21.7	1.495	2.289	18.7	20.2	10 18	5 12.64	+49 49.4	1.450	2.125	24.1	22.4
10 28	4 39.09	+22 30.9	1.431	2.306	14.9	20.0	10 28	5 6.13	+50 17.1	1.329	2.097	21.8	22.1
11 7	4 31.70	+22 34.1	1.387	2.324	10.4	19.8	11 7	4 53.06	+50 17.0	1.222	2.066	18.8	21.8
11 17	4 21.84	+22 30.5	1.366	2.341	5.3	19.6	11 17	4 33.80	+49 30.8	1.133	2.034	15.4	21.5
11 27	4 10.82	+22 20.6	1.372	2.359	0.5	19.3	11 27	4 10.63	+47 40.6	1.067	1.998	12.8	21.2
12 7	4 0.18	+22 7.0	1.406	2.377	5.2	19.7	12 7	3 47.37	+44 40.7	1.028	1.961	12.8	21.1
12 17	3 51.27	+21 53.2	1.466	2.395	10.0	20.0	12 17	3 27.79	+40 45.2	1.017	1.921	16.0	21.1
12 27	3 45.11	+21 43.4	1.550	2.413	14.0	20.3	12 27	3 14.23	+36 23.9	1.032	1.878	20.8	21.3
323275	2003 <i>SK</i> ₄₀₃		11 26.8 91°85'	2°7/25.4	18		377514	2005 <i>FB</i> ₁₃		11 26.8 218°21'	0°1/26.8	18	
10 18	4 37.08	+14 51.1	2.341	3.122	13.2	21.3	10 18	4 45.13	+20 30.9	1.709	2.491	17.2	21.6
10 28	4 32.87	+14 12.0	2.267	3.135	10.4	21.1	10 28	4 40.57	+20 42.9	1.617	2.485	13.8	21.3
11 7	4 26.71	+13 31.4	2.216	3.149	7.3	20.9	11 7	4 32.88	+20 51.6	1.545	2.479	9.7	21.1
11 17	4 19.12	+12 51.8	2.192	3.162	4.1	20.8	11 17	4 22.62	+20 56.1	1.497	2.472	5.0	20.8
11 27	4 10.88	+12 16.0	2.197	3.176	2.7	20.7	11 27	4 10.87	+20 56.4	1.477	2.464	0.1	20.3
12 7	4 2.84	+11 47.0	2.232	3.189	5.0	20.9	12 7	3 59.07	+20 54.0	1.486	2.456	5.2	20.7
12 17	3 55.79	+11 27.0	2.296	3.202	8.1	21.1	12 17	3 48.64	+20 51.4	1.523	2.448	10.0	21.0
12 27	3 50.36	+11 17.4	2.385	3.215	10.9	21.3	12 27	3 40.75	+20 52.2	1.585	2.439	14.3	21.2
412986	1997 <i>SC</i> ₁₄		11 26.8 69°36'	1°1/26.2	18		198694	2005 <i>CR</i> ₂₂		11 26.8 164°51'	8°3/ 2.1	18	
10 18	4 37.76	+20 9.3	2.233	3.012	13.8	21.2	10 18	4 47.40	+50 6.0	2.822	3.466	14.0	20.2
10 28	4 33.51	+19 36.7	2.164	3.032	10.8	21.1	10 28	4 41.99	+51 2.8	2.733	3.469	12.4	20.1
11 7	4 27.18	+18 59.2	2.117	3.051	7.4	20.9	11 7	4 33.62	+51 44.3	2.663	3.471	10.8	20.0
11 17	4 19.36	+18 18.6	2.096	3.071	3.8	20.7	11 17	4 22.89	+52 5.2	2.614	3.473	9.3	19.9
11 27	4 10.88	+17 37.4	2.105	3.090	1.1	20.5	11 27	4 10.87	+52 1.9	2.591	3.475	8.4	19.9
12 7	4 2.67	+16 58.6	2.144	3.110	4.3	20.8	12 7	3 58.93	+51 33.8	2.595	3.477	8.4	19.9
12 17	3 55.56	+16 25.5	2.211	3.129	7.7	21.1	12 17	3 48.38	+50 44.1	2.624	3.478	9.3	19.9
12 27	3 50.22	+16 0.5	2.305	3.149	10.8	21.3	12 27	3 40.25	+49 38.6	2.679	3.479	10.7	20.0
38549	1999 <i>VG</i> ₄₈		11 26.8 136°38'	5°1/29.3	18		328004</						

EPHEMERIDES

11 26.8

11 26.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
356073	2009 <i>DZ</i> ₈₁		11 26.8	65°99	2°9/25.8	18	9958	1991 <i>VL</i> ₁		11 26.8	49°12	3°5/26.1	18
10 18	4 39.50	+14 44.7	1.792	2.585	16.1	20.7	10 18	4 43.22	+14 4.1	1.163	1.981	21.6	17.2
10 28	4 35.48	+14 19.4	1.721	2.596	12.8	20.5	10 28	4 39.78	+13 54.3	1.104	1.993	17.2	16.9
11 7	4 28.89	+13 53.3	1.672	2.608	9.0	20.3	11 7	4 32.59	+13 46.0	1.063	2.005	12.1	16.7
11 17	4 20.38	+13 28.7	1.647	2.619	5.0	20.1	11 17	4 22.48	+13 41.7	1.044	2.018	6.7	16.4
11 27	4 10.94	+13 8.7	1.650	2.631	3.0	20.0	11 27	4 10.94	+13 44.2	1.049	2.031	3.6	16.3
12 7	4 1.73	+12 56.1	1.681	2.643	5.9	20.2	12 7	3 59.80	+13 55.7	1.079	2.045	7.5	16.6
12 17	3 53.83	+12 52.8	1.740	2.654	9.7	20.5	12 17	3 50.70	+14 17.6	1.134	2.059	12.6	16.9
12 27	3 48.07	+13 0.3	1.823	2.666	13.2	20.7	12 27	3 44.79	+14 50.5	1.210	2.073	17.1	17.2
86850	2000 <i>GA</i> ₁₈₃		11 26.8	164°45	0°5/27.1	18	43200	2000 <i>AO</i> ₆₈		11 26.8	63°28	2°4/26.4	18
10 18	4 43.74	+23 59.5	1.950	2.721	15.8	20.2	10 18	4 46.14	+14 53.6	1.316	2.119	20.3	18.8
10 28	4 38.87	+23 49.4	1.864	2.726	12.6	20.0	10 28	4 41.55	+15 3.8	1.260	2.140	16.1	18.6
11 7	4 31.30	+23 31.8	1.800	2.730	8.8	19.8	11 7	4 33.51	+15 15.6	1.223	2.162	11.2	18.4
11 17	4 21.64	+23 6.3	1.761	2.734	4.6	19.5	11 17	4 22.83	+15 29.7	1.209	2.183	5.9	18.2
11 27	4 10.92	+22 34.1	1.750	2.737	0.5	19.2	11 27	4 10.94	+15 46.9	1.221	2.205	2.4	18.0
12 7	4 0.36	+21 58.0	1.770	2.740	4.5	19.5	12 7	3 59.53	+16 8.1	1.260	2.227	6.4	18.3
12 17	3 51.12	+21 22.1	1.818	2.741	8.7	19.8	12 17	3 50.07	+16 34.5	1.324	2.249	11.2	18.7
12 27	3 44.13	+20 51.0	1.892	2.743	12.4	20.0	12 27	3 43.59	+17 6.9	1.412	2.270	15.4	19.0
1205	<i>Ebella</i>		11 26.8	29°26	5°7/28.2	18	227012	2004 <i>XJ</i> ₁₂₉		11 26.8	279°35	0°2/26.8	18
10 18	4 43.37	+29 24.0	1.131	1.938	22.8	16.3	10 18	4 39.02	+19 38.3	2.384	3.156	13.2	20.2
10 28	4 40.53	+30 41.9	1.082	1.958	18.6	16.1	10 28	4 34.83	+19 52.2	2.277	3.141	10.5	19.9
11 7	4 33.45	+31 48.1	1.050	1.979	13.7	15.9	11 7	4 28.42	+20 4.3	2.194	3.126	7.4	19.7
11 17	4 22.99	+32 35.9	1.038	2.002	8.8	15.7	11 17	4 20.23	+20 14.3	2.137	3.111	3.8	19.5
11 27	4 10.89	+33 0.6	1.050	2.026	5.8	15.6	11 27	4 10.99	+20 22.4	2.109	3.095	0.2	19.1
12 7	3 59.32	+33 2.6	1.086	2.051	7.7	15.8	12 7	4 1.65	+20 29.4	2.111	3.080	4.0	19.4
12 17	3 50.15	+32 47.9	1.146	2.077	11.9	16.1	12 17	3 53.14	+20 36.6	2.143	3.065	7.7	19.6
12 27	3 44.64	+32 25.0	1.228	2.104	16.0	16.4	12 27	3 46.33	+20 46.2	2.201	3.049	11.0	19.8
73591	1359 <i>T</i> -2		11 26.8	172°93	3°2/27.9	18	242041	2002 <i>RH</i> ₉₉		11 26.8	60°00	4°9/24.7	18
10 18	4 46.83	+28 34.8	1.695	2.463	17.9	20.0	10 18	4 38.55	+12 3.7	1.694	2.493	16.7	20.1
10 28	4 42.07	+29 0.9	1.610	2.465	14.6	19.8	10 28	4 34.73	+10 56.4	1.632	2.508	13.3	19.9
11 7	4 33.97	+29 17.5	1.545	2.467	10.6	19.6	11 7	4 28.35	+9 48.9	1.590	2.524	9.5	19.7
11 17	4 23.17	+29 21.3	1.503	2.469	6.3	19.3	11 17	4 20.10	+8 46.1	1.574	2.539	6.1	19.6
11 27	4 10.89	+29 10.4	1.489	2.470	3.2	19.1	11 27	4 11.00	+7 53.6	1.585	2.555	5.1	19.6
12 7	3 58.72	+28 46.4	1.503	2.470	5.6	19.3	12 7	4 2.24	+7 15.7	1.623	2.571	7.5	19.7
12 17	3 48.15	+28 13.6	1.545	2.470	9.8	19.5	12 17	3 54.85	+6 55.3	1.688	2.588	10.9	20.0
12 27	3 40.37	+27 38.7	1.612	2.470	13.8	19.8	12 27	3 49.62	+6 52.7	1.776	2.604	14.2	20.2
148648	2001 <i>SD</i> ₈₆		11 26.8	137°08	0°7/27.1	18	282912	2007 <i>JR</i> ₃		11 26.8	159°59	3°8/25.3	18
10 18	4 44.63	+24 11.2	1.892	2.663	16.2	21.4	10 18	4 41.30	+12 21.7	1.938	2.721	15.4	21.5
10 28	4 39.58	+24 4.5	1.813	2.675	12.9	21.2	10 28	4 36.75	+11 45.8	1.858	2.726	12.3	21.3
11 7	4 31.77	+23 50.2	1.756	2.686	9.0	21.0	11 7	4 29.74	+11 10.1	1.799	2.730	8.8	21.1
11 17	4 21.86	+23 27.8	1.723	2.696	4.7	20.7	11 17	4 20.84	+10 37.7	1.767	2.734	5.3	20.9
11 27	4 10.92	+22 58.4	1.719	2.706	0.7	20.5	11 27	4 10.99	+10 11.9	1.762	2.737	3.9	20.8
12 7	4 0.23	+22 24.8	1.745	2.715	4.6	20.8	12 7	4 1.30	+9 55.9	1.787	2.740	6.4	20.9
12 17	3 50.95	+21 51.2	1.800	2.724	8.8	21.0	12 17	3 52.79	+9 51.7	1.839	2.743	9.9	21.2
12 27	3 44.01	+21 21.9	1.880	2.732	12.5	21.3	12 27	3 46.32	+10 0.3	1.916	2.745	13.3	21.4
182465	2001 <i>SF</i> ₉₁		11 26.8	25°33	2°5/25.7	18	333226	2012 <i>HH</i> ₄₀		11 26.8	239°26	2°6/25.2	17
10 18	4 37.98	+16 38.7	1.950	2.739	15.1	20.6	10 18	4 36.37	+15 29.5	2.533	3.310	12.4	21.1
10 28	4 34.20	+16 1.2	1.866	2.740	12.0	20.4	10 28	4 32.37	+14 40.3	2.434	3.301	9.8	20.9
11 7	4 28.00	+15 20.3	1.804	2.740	8.4	20.1	11 7	4 26.48	+13 47.9	2.360	3.292	6.9	20.7
11 17	4 19.95	+14 38.4	1.767	2.740	4.6	19.9	11 17	4 19.14	+12 54.7	2.312	3.282	4.0	20.5
11 27	4 10.96	+13 58.8	1.759	2.740	2.6	19.8	11 27	4 11.03	+12 4.1	2.294	3.273	2.7	20.4
12 7	4 2.09	+13 25.2	1.779	2.741	5.5	20.0	12 7	4 2.98	+11 19.3	2.307	3.263	5.0	20.5
12 17	3 54.37	+13 0.8	1.827	2.741	9.3	20.2	12 17	3 55.75	+10 43.5	2.349	3.252	8.1	20.7
12 27	3 48.62	+12 48.0	1.900	2.741	12.8	20.4	12 27	3 50.02	+10 18.9	2.417	3.242	11.0	20.9
349828	2009 <i>CU</i> ₁₁		11 26.8	250°96	0°9/27.2	18	390583	2001 <i>QH</i> ₂₅₆		11 26.8	66°80	3°9/25.4	18
10 18	4 41.09	+25 4.7	2.176	2.943	14.4	21.8	10 18	4 41.54	+12 1.9	1.804	2.592	16.2	20.8
10 28	4 36.77	+24 57.6	2.068	2.926	11.7	21.6	10 28	4 36.78	+11 26.7	1.750	2.621	12.8	20.7
11 7	4 29.92	+24 42.8	1.981	2.909	8.3	21.4	11 7	4 29.57	+10 53.0	1.718	2.650	9.1	20.5
11 17	4 21.01	+24 19.5	1.920	2.891	4.4	21.1	11 17	4 20.64	+10 24.1	1.712	2.679	5.5	20.4
11 27	4 10.94	+23 48.5	1.887	2.873	0.9	20.8	11 27	4 11.01	+10 3.1	1.733	2.708	4.0	20.3
12 7	4 0.78	+23 11.9	1.885	2.855	4.3	21.0	12 7	4 1.80	+9 52.7	1.782	2.736	6.4	20.5
12 17	3 51.66	+22 33.5	1.912	2.836	8.3	21.2	12 17	3 53.98	+9 54.2	1.859	2.765	9.8	20.8
12 27	3 44.53	+21 57.9	1.965	2.816	12.0	21.4	12 27	3 48.28	+10 7.8	1.961	2.793	12.9	21.1
383151	2005 <i>UV</i> ₃₁₁		11 26.8	202°08	0°9/26.5	18	358653	2007 <i>VG</i> ₃₂₁		11 26.8	5°47	8°0/28.9	18
10 18	4 42.71	+19 48.2	1.910	2.689	15.8	21.9	10 18	4 42.37	+35 9.0	1.428	2.203	20.4	20.4
10 28	4 38.16	+19 35.6	1.818	2.686	12.6	21.7	10 28	4 39.70	+36 38.2	1.354	2.203	17.2	20.2
11 7	4 30.90	+19 18.5	1.748	2.682	8.8	21.5	11 7	4 33.06	+37 55.6	1.297	2.204	13.6	20.0
11 17	4 21.49	+18 57.4	1.703	2.678	4.5	21.2	11 17	4 23.02	+38 53.2	1.261	2.206	10.1	19.8
11 27	4 10.93	+18 34.0	1.687	2.673	0.9	20.9	11 27	4 10.97	+39 24.4	1.250	2.208	8.1	19.7
12 7	4 0.42	+18 11.0	1.700	2.668	5.0	21.2	12 7	3 58.88	+39 27.5	1.263	2.212	9.0	19.7
12 17	3 51.14	+17 51.7	1.742	2.663	9.3	21.4	12 17	3 48.70	+39 6.4	1.301	2.217	12.1	19.9
12 27	3 44.05	+17 39.2	1.809	2.656	13.1	21.7	12 27	3 41.94	+38 30.1	1.361	2.223	15.6	20.2
351808	2006 <i>KU</i> ₈₆		11 26.8	140°36	7°5/ 2.2	18	53955	2000 <i>GJ</i> ₆₀		11			

EPHEMERIDES

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
16591	1992 SY ₁₇		11 26.8	78°58	0°5/26.6	18	273428	2006 WH ₇₀		11 26.9	167°83	1°6/27.4	18
10 18	4 47.76	+23 39.8	1.460	2.246	19.5	17.8	10 18	4 45.51	+25 9.5	1.757	2.530	17.1	21.5
10 28	4 42.31	+22 54.1	1.407	2.278	15.4	17.6	10 28	4 40.77	+25 24.1	1.672	2.533	13.8	21.3
11 7	4 33.64	+21 58.3	1.375	2.310	10.6	17.4	11 7	4 32.95	+25 31.6	1.607	2.536	9.8	21.1
11 17	4 22.73	+20 54.0	1.366	2.341	5.3	17.2	11 17	4 22.66	+25 29.9	1.567	2.538	5.4	20.8
11 27	4 11.00	+19 45.8	1.385	2.372	0.6	16.9	11 27	4 11.04	+25 18.6	1.555	2.540	1.6	20.6
12 7	4 0.00	+18 39.8	1.433	2.402	5.5	17.3	12 7	3 59.53	+24 59.5	1.572	2.542	5.0	20.8
12 17	3 51.00	+17 42.2	1.508	2.432	10.2	17.7	12 17	3 49.50	+24 36.3	1.617	2.543	9.4	21.1
12 27	3 44.83	+16 57.7	1.608	2.461	14.1	18.0	12 27	3 42.03	+24 14.1	1.687	2.543	13.4	21.3
518721	2009 DA ₉₀		11 26.8	270°09	7°0/24.1	18	450104	2015 RZ ₁₀₂		11 26.9	18°56	3°1/28.1	17
10 18	4 38.54	+4 34.2	1.876	2.661	15.8	22.1	10 18	4 36.89	+29 36.2	1.322	2.126	20.2	20.3
10 28	4 34.79	+3 40.4	1.788	2.650	13.0	21.8	10 28	4 34.78	+29 38.0	1.258	2.135	16.4	20.0
11 7	4 28.55	+2 51.7	1.722	2.639	10.1	21.6	11 7	4 29.14	+29 25.0	1.212	2.145	11.9	19.8
11 17	4 20.34	+2 13.3	1.680	2.627	7.7	21.5	11 17	4 20.76	+28 55.3	1.187	2.157	6.9	19.6
11 27	4 11.04	+1 50.5	1.664	2.616	7.2	21.4	11 27	4 11.07	+28 9.9	1.187	2.170	3.2	19.4
12 7	4 1.74	+1 46.9	1.676	2.604	9.0	21.5	12 7	4 1.77	+27 13.5	1.213	2.184	5.8	19.6
12 17	3 53.51	+2 3.8	1.713	2.593	12.0	21.7	12 17	3 54.34	+26 13.5	1.263	2.199	10.5	19.9
12 27	3 47.26	+2 40.1	1.773	2.581	15.1	21.8	12 27	3 49.86	+25 17.5	1.337	2.216	14.7	20.2
232934	2005 AM ₈₁		11 26.8	285°91	4°8/28.6	18	271966	2005 AJ ₇₇		11 26.9	284°75	0°5/26.7	18
10 18	4 42.03	+33 41.4	2.358	3.097	14.2	20.2	10 18	4 37.74	+19 52.9	2.394	3.169	13.1	21.2
10 28	4 37.66	+34 33.9	2.255	3.086	11.9	20.0	10 28	4 33.85	+19 52.3	2.284	3.149	10.5	20.9
11 7	4 30.66	+35 18.1	2.175	3.076	9.2	19.8	11 7	4 27.77	+19 48.7	2.196	3.129	7.3	20.7
11 17	4 21.49	+35 50.2	2.119	3.065	6.4	19.7	11 17	4 19.95	+19 42.3	2.134	3.109	3.7	20.5
11 27	4 11.02	+36 7.3	2.091	3.055	4.8	19.5	11 27	4 11.09	+19 33.9	2.102	3.089	0.5	20.2
12 7	4 0.39	+36 8.7	2.092	3.044	5.7	19.6	12 7	4 2.12	+19 25.0	2.100	3.068	4.1	20.4
12 17	3 50.79	+35 56.4	2.121	3.034	8.3	19.7	12 17	3 53.96	+19 17.6	2.126	3.048	7.8	20.6
12 27	3 43.23	+35 35.0	2.177	3.023	11.2	19.9	12 27	3 47.46	+19 14.3	2.180	3.028	11.1	20.8
227276	2005 SF ₁₄₆		11 26.8	97°15	2°0/27.5	18	173603	2001 DF ₇₆		11 26.9	285°14	2°0/26.2	18
10 18	4 47.79	+25 44.0	1.700	2.471	17.7	20.9	10 18	4 40.57	+18 23.8	1.466	2.270	18.6	20.4
10 28	4 42.38	+26 6.9	1.634	2.493	14.2	20.8	10 28	4 37.49	+18 2.1	1.373	2.255	14.9	20.1
11 7	4 33.86	+26 22.1	1.588	2.515	10.1	20.6	11 7	4 31.08	+17 35.3	1.300	2.240	10.5	19.8
11 17	4 22.99	+26 27.2	1.567	2.536	5.5	20.3	11 17	4 21.89	+17 5.0	1.250	2.226	5.5	19.5
11 27	4 11.01	+26 21.5	1.573	2.558	2.0	20.2	11 27	4 11.06	+16 34.0	1.226	2.211	2.0	19.2
12 7	3 59.40	+26 6.9	1.609	2.578	5.0	20.4	12 7	4 0.11	+16 6.6	1.228	2.196	6.4	19.4
12 17	3 49.50	+25 47.2	1.673	2.598	9.2	20.7	12 17	3 50.61	+15 47.0	1.256	2.181	11.7	19.7
12 27	3 42.27	+25 27.6	1.762	2.617	13.0	21.0	12 27	3 43.83	+15 39.1	1.307	2.167	16.3	19.9
184546	2005 QK ₄₅		11 26.8	227°79	4°0/28.5	17	369539	2011 AP ₅		11 26.9	10°19	19°5/13.8	18
10 18	4 42.64	+32 27.3	2.270	3.014	14.6	20.8	10 18	4 37.28	+62 26.8	0.927	1.645	32.5	18.9
10 28	4 38.08	+32 59.8	2.171	3.008	12.0	20.6	10 28	4 40.63	+63 24.4	0.879	1.648	30.3	18.7
11 7	4 30.89	+33 22.9	2.093	3.001	9.1	20.4	11 7	4 36.01	+63 31.4	0.838	1.654	27.6	18.5
11 17	4 21.56	+33 33.5	2.041	2.995	6.0	20.2	11 17	4 24.82	+62 32.6	0.807	1.663	24.7	18.4
11 27	4 11.03	+33 29.5	2.016	2.988	4.1	20.1	11 27	4 11.00	+60 16.3	0.789	1.674	21.8	18.3
12 7	4 0.46	+33 11.6	2.021	2.981	5.2	20.1	12 7	3 59.17	+56 45.6	0.788	1.689	19.9	18.2
12 17	3 51.02	+32 42.6	2.055	2.973	8.2	20.3	12 17	3 52.26	+52 20.2	0.805	1.705	19.5	18.3
12 27	3 43.68	+32 7.7	2.115	2.966	11.3	20.5	12 27	3 51.14	+47 30.9	0.844	1.724	20.9	18.4
119136	2001 PC ₁₂		11 26.8	121°88	4°1/25.4	18	210701	2000 SA ₁₁₆		11 26.9	86°45	2°4/27.6	17
10 18	4 42.33	+12 29.8	1.743	2.532	16.7	19.7	10 18	4 50.10	+26 1.9	1.434	2.214	20.1	19.9
10 28	4 37.78	+11 51.1	1.671	2.543	13.3	19.5	10 28	4 44.73	+26 31.0	1.375	2.239	16.1	19.7
11 7	4 30.54	+11 12.6	1.621	2.553	9.5	19.3	11 7	4 35.75	+26 51.2	1.335	2.264	11.4	19.5
11 17	4 21.28	+10 37.9	1.595	2.563	5.7	19.1	11 17	4 24.01	+26 59.4	1.319	2.289	6.3	19.3
11 27	4 11.04	+10 10.7	1.598	2.573	4.2	19.0	11 27	4 11.03	+26 54.4	1.329	2.313	2.5	19.1
12 7	4 1.06	+9 54.4	1.628	2.583	6.8	19.2	12 7	3 58.58	+26 38.4	1.367	2.336	5.6	19.4
12 17	3 52.45	+9 51.1	1.686	2.592	10.5	19.5	12 17	3 48.20	+26 16.2	1.432	2.360	10.3	19.7
12 27	3 46.09	+10 1.5	1.768	2.600	14.0	19.7	12 27	3 40.97	+25 54.2	1.521	2.382	14.3	20.0
142871	2002 VL ₃₃		11 26.8	28°68	0°7/27.1	18	185871	2000 JY ₂₇		11 26.9	294°66	2°3/27.4	17
10 18	4 40.31	+22 15.3	1.640	2.433	17.4	19.5	10 18	4 42.30	+24 49.0	1.848	2.625	16.3	20.2
10 28	4 36.71	+22 33.3	1.565	2.439	13.9	19.3	10 28	4 38.55	+25 28.7	1.738	2.601	13.3	19.9
11 7	4 30.13	+22 46.6	1.510	2.446	9.7	19.1	11 7	4 31.73	+26 4.9	1.648	2.577	9.6	19.7
11 17	4 21.20	+22 54.1	1.479	2.453	5.1	18.8	11 17	4 22.26	+26 34.9	1.583	2.553	5.5	19.4
11 27	4 11.05	+22 55.6	1.474	2.461	0.7	18.5	11 27	4 11.06	+26 56.3	1.545	2.528	2.3	19.1
12 7	4 1.05	+22 52.8	1.498	2.469	4.9	18.9	12 7	3 59.49	+27 8.4	1.535	2.504	5.2	19.3
12 17	3 52.51	+22 48.4	1.548	2.477	9.5	19.1	12 17	3 48.99	+27 13.0	1.554	2.480	9.7	19.5
12 27	3 46.45	+22 46.0	1.623	2.486	13.5	19.4	12 27	3 40.86	+27 13.9	1.597	2.456	13.9	19.7
243641	1999 TN ₆₁		11 26.8	149°80	7°3/29.7	18	412465	2014 HR ₆		11 26.9	167°71	1°2/26.4	18
10 18	4 47.62	+39 10.7	1.945	2.670	17.2	20.6	10 18	4 41.51	+18 3.4	2.095	2.871	14.6	21.7
10 28	4 42.85	+40 14.3	1.860	2.673	14.7	20.4	10 28	4 36.89	+17 56.5	2.008	2.874	11.6	21.5
11 7	4 34.65	+41 4.4	1.795	2.676	11.8	20.2	11 7	4 29.85	+17 47.2	1.943	2.877	8.1	21.3
11 17	4 23.63	+41 34.6	1.752	2.679	9.1	20.1	11 17	4 20.96	+17 36.1	1.905	2.879	4.2	21.1
11 27	4 11.01	+41 40.3	1.736	2.682	7.4	20.0	11 27	4 11.09	+17 24.7	1.895	2.881	1.3	20.9
12 7	3 58.43	+41 21.0	1.747	2.685	8.0	20.0	12 7	4 1.31	+17 15.0	1.915	2.882	4.6	21.1
12 17	3 47.47	+40 40.8	1.784	2.687	10.3	20.2	12 17	3 52.65	+17 9.2	1.964	2.883	8.5	21.4
12 27	3 39.36	+39 47.6	1.847	2.689	13.1	20.3	12 27	3 45.94	+17 9.4	2.040	2.884	11.9	21.6
398881	2013 CT ₈₁		11 26.8	39°21	2°2/25.9	18	182660	2001 UT ₁₉₇		11 26.9	352°95	2°2/27.7	18

EPHEMERIDES

11 26.9

11 26.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
191501	2003 <i>UA</i> ₄₈		11 26.9 53°54'	1.2°/26.2	18		369258	2009 <i>HV</i> ₁₀₀		11 26.9 236°27'	0.6°/27.1	18	
10 18	4 36.72	+20 12.8	2.226	3.007	13.7	20.1	10 18	4 41.32	+22 29.4	2.074	2.848	14.8	21.7
10 28	4 32.91	+19 35.6	2.142	3.011	10.9	19.9	10 28	4 37.01	+22 42.9	1.979	2.842	11.9	21.5
11 7	4 26.97	+18 52.8	2.080	3.015	7.5	19.7	11 7	4 30.14	+22 52.1	1.906	2.837	8.4	21.2
11 17	4 19.43	+18 6.1	2.045	3.019	3.8	19.5	11 17	4 21.23	+22 56.0	1.858	2.831	4.4	21.0
11 27	4 11.11	+17 18.4	2.038	3.023	1.2	19.3	11 27	4 11.16	+22 54.8	1.839	2.825	0.6	20.7
12 7	4 2.95	+16 33.0	2.061	3.027	4.4	19.6	12 7	4 1.07	+22 49.4	1.849	2.819	4.3	21.0
12 17	3 55.81	+15 53.5	2.113	3.032	8.0	19.8	12 17	3 52.08	+22 42.4	1.888	2.813	8.4	21.2
12 27	3 50.43	+15 22.9	2.191	3.036	11.2	20.0	12 27	3 45.12	+22 36.9	1.953	2.806	12.0	21.4
90427	2004 <i>BS</i> ₁		11 26.9 267°82'	1.4°/27.6	18		286750	2002 <i>GU</i> ₁₇₁		11 26.9 208°32'	3.4°/28.1	18	R
10 18	4 40.05	+28 24.0	1.991	2.759	15.5	19.7	10 18	4 45.53	+29 45.7	1.616	2.387	18.5	20.9
10 28	4 36.13	+27 54.4	1.891	2.750	12.6	19.4	10 28	4 41.34	+30 0.1	1.527	2.384	15.1	20.6
11 7	4 29.55	+27 12.2	1.813	2.740	9.0	19.2	11 7	4 33.68	+30 2.7	1.458	2.381	11.1	20.4
11 17	4 20.88	+26 17.0	1.760	2.731	5.0	18.9	11 17	4 23.20	+29 50.2	1.412	2.377	6.7	20.1
11 27	4 11.10	+25 10.3	1.736	2.721	1.5	18.7	11 27	4 11.14	+29 21.2	1.392	2.373	3.4	19.9
12 7	4 1.42	+23 56.5	1.741	2.711	4.5	18.9	12 7	3 59.15	+28 38.1	1.401	2.369	5.8	20.1
12 17	3 52.98	+22 41.5	1.774	2.701	8.7	19.1	12 17	3 48.82	+27 46.6	1.436	2.364	10.2	20.3
12 27	3 46.73	+21 31.8	1.834	2.691	12.5	19.3	12 27	3 41.38	+26 54.5	1.496	2.359	14.4	20.6
147162	2002 <i>VK</i> ₈		11 26.9 113°75'	1.8°/27.7	18		38321	1999 <i>RQ</i> ₁₂₁		11 26.9 138°29'	5.0°/29.0	18	
10 18	4 46.09	+28 4.2	1.741	2.509	17.5	20.2	10 18	4 44.91	+34 34.0	1.903	2.650	16.9	19.2
10 28	4 40.99	+27 49.4	1.669	2.526	14.1	20.0	10 28	4 40.36	+35 3.0	1.819	2.655	14.0	19.0
11 7	4 32.86	+27 22.7	1.617	2.543	10.0	19.8	11 7	4 32.70	+35 18.9	1.754	2.660	10.7	18.8
11 17	4 22.48	+26 43.2	1.589	2.559	5.5	19.6	11 17	4 22.57	+35 17.8	1.714	2.664	7.3	18.6
11 27	4 11.09	+25 52.2	1.590	2.574	1.8	19.4	11 27	4 11.15	+34 57.4	1.700	2.668	5.1	18.5
12 7	4 0.10	+24 54.1	1.619	2.589	4.8	19.6	12 7	3 59.89	+34 19.5	1.714	2.672	6.1	18.6
12 17	3 50.78	+23 54.7	1.677	2.604	9.1	19.9	12 17	3 50.16	+33 28.7	1.756	2.676	9.2	18.8
12 27	3 44.05	+23 0.3	1.761	2.618	12.9	20.2	12 27	3 43.04	+32 32.3	1.824	2.680	12.6	19.0
142588	2002 <i>TD</i> ₁₀₂		11 26.9 14°16'	1.2°/26.3	18		90025	2002 <i>UV</i> ₇		11 26.9 62°27'	6.3°/25.6	18	
10 18	4 37.74	+21 0.3	1.641	2.440	17.1	20.0	10 18	4 44.75	+7 27.0	1.331	2.133	20.2	19.1
10 28	4 34.58	+20 23.1	1.562	2.442	13.6	19.8	10 28	4 40.24	+7 1.5	1.280	2.155	16.3	18.9
11 7	4 28.58	+19 38.2	1.505	2.444	9.4	19.6	11 7	4 32.49	+6 43.7	1.248	2.178	11.9	18.7
11 17	4 20.40	+18 47.4	1.471	2.447	4.8	19.3	11 17	4 22.34	+6 37.9	1.238	2.201	7.9	18.5
11 27	4 11.12	+17 54.4	1.464	2.450	1.3	19.1	11 27	4 11.16	+6 47.7	1.254	2.223	6.3	18.5
12 7	4 2.04	+17 4.0	1.485	2.453	5.4	19.3	12 7	4 0.49	+7 14.3	1.296	2.246	8.7	18.7
12 17	3 54.37	+16 21.1	1.532	2.457	10.0	19.6	12 17	3 51.66	+7 56.8	1.363	2.269	12.5	19.0
12 27	3 49.04	+15 49.8	1.604	2.461	13.9	19.9	12 27	3 45.62	+8 52.8	1.453	2.292	16.2	19.3
137261	1999 <i>RS</i> ₁₀₉		11 26.9 64°00'	3.2°/28.1	18		145606	2006 <i>QH</i> ₂₉		11 26.9 62°61'	0.8°/27.0	18	
10 18	4 46.10	+29 31.9	1.314	2.103	21.1	19.6	10 18	4 45.91	+20 19.6	1.722	2.501	17.2	19.5
10 28	4 41.93	+29 38.2	1.257	2.124	17.1	19.4	10 28	4 40.92	+21 6.0	1.652	2.519	13.7	19.3
11 7	4 33.97	+29 30.1	1.218	2.146	12.3	19.2	11 7	4 32.94	+21 51.0	1.604	2.536	9.5	19.1
11 17	4 23.16	+29 5.1	1.200	2.168	7.1	19.0	11 17	4 22.64	+22 32.2	1.580	2.554	4.9	18.8
11 27	4 11.09	+28 23.4	1.208	2.191	3.3	18.8	11 27	4 11.16	+23 7.9	1.585	2.571	0.8	18.6
12 7	3 59.65	+27 29.9	1.243	2.213	6.0	19.1	12 7	3 59.89	+23 37.7	1.619	2.589	4.8	18.9
12 17	3 50.40	+26 32.1	1.303	2.235	10.6	19.4	12 17	3 50.12	+24 2.6	1.682	2.607	9.2	19.2
12 27	3 44.41	+25 38.2	1.387	2.257	14.9	19.7	12 27	3 42.87	+24 25.4	1.769	2.625	12.9	19.5
447556	2006 <i>ST</i> ₃₇₈		11 26.9 195°32'	2.0°/26.2	18		275834	2001 <i>RR</i> ₁₂₂		11 26.9 20°92'	5.3°/25.4	18	
10 18	4 41.73	+14 27.7	2.299	3.070	13.6	22.2	10 18	4 36.12	+13 3.6	1.082	1.918	21.6	19.3
10 28	4 36.86	+14 31.7	2.206	3.068	10.9	22.0	10 28	4 34.31	+12 16.2	1.029	1.928	17.3	19.1
11 7	4 29.76	+14 36.6	2.136	3.066	7.6	21.8	11 7	4 28.90	+11 29.2	0.993	1.938	12.3	18.9
11 17	4 20.92	+14 43.1	2.092	3.064	4.1	21.6	11 17	4 20.70	+10 48.4	0.978	1.951	7.4	18.6
11 27	4 11.13	+14 52.3	2.078	3.061	2.0	21.5	11 27	4 11.19	+10 19.8	0.986	1.964	5.4	18.6
12 7	4 1.35	+15 5.1	2.095	3.058	4.7	21.6	12 7	4 2.10	+10 8.0	1.018	1.979	8.7	18.8
12 17	3 52.52	+15 22.6	2.141	3.054	8.2	21.8	12 17	3 54.96	+10 15.2	1.073	1.995	13.4	19.1
12 27	3 45.46	+15 45.7	2.214	3.050	11.4	22.0	12 27	3 50.82	+10 40.9	1.148	2.013	17.7	19.4
403161	2008 <i>FQ</i> ₁₂₅		11 26.9 99°34'	4.0°/25.1	18		474706	2005 <i>GC</i> ₁₄₁		11 26.9 199°42'	23.6°/12.1	18	
10 18	4 37.80	+11 26.0	2.102	2.887	14.3	21.7	10 18	4 51.78	-12 22.1	1.011	1.786	26.9	22.0
10 28	4 33.79	+10 44.9	2.024	2.893	11.4	21.5	10 28	4 47.38	-17 9.6	0.969	1.784	25.0	21.8
11 7	4 27.60	+10 4.6	1.969	2.899	8.2	21.4	11 7	4 38.49	-21 36.5	0.946	1.780	23.8	21.7
11 17	4 19.78	+9 28.2	1.940	2.905	5.2	21.2	11 17	4 25.84	-25 16.6	0.941	1.774	23.8	21.7
11 27	4 11.15	+8 59.2	1.938	2.910	4.1	21.1	11 27	4 11.12	-27 47.9	0.954	1.767	24.9	21.8
12 7	4 2.67	+8 40.5	1.966	2.916	6.2	21.3	12 7	3 56.59	-29 1.2	0.983	1.758	26.8	21.9
12 17	3 55.24	+8 34.1	2.021	2.922	9.4	21.5	12 17	3 44.37	-29 0.0	1.024	1.747	28.9	22.0
12 27	3 49.60	+8 40.7	2.102	2.927	12.4	21.7	12 27	3 35.98	-27 56.9	1.075	1.734	31.0	22.2
179086	2001 <i>SH</i> ₁₅₈		11 26.9 46°22'	3.1°/28.1	18		487517	2014 <i>UB</i> ₁₁		11 26.9 98°47'	1.1°/27.5	18	
10 18	4 40.96	+29 27.9	1.844	2.615	16.5	20.0	10 18	4 38.04	+26 25.3	2.423	3.186	13.2	21.0
10 28	4 37.06	+29 46.1	1.765	2.621	13.5	19.8	10 28	4 33.88	+26 9.6	2.336	3.193	10.6	20.8
11 7	4 30.30	+29 54.0	1.706	2.628	9.8	19.6	11 7	4 27.62	+25 45.8	2.272	3.199	7.5	20.6
11 17	4 21.29	+29 49.5	1.671	2.635	5.9	19.4	11 17	4 19.79	+25 13.9	2.235	3.205	4.0	20.4
11 27	4 11.13	+29 31.7	1.663	2.643	3.1	19.2	11 27	4 11.21	+24 35.1	2.226	3.212	1.1	20.2
12 7	4 1.14	+29 2.7	1.683	2.650	5.1	19.4	12 7	4 2.78	+23 52.1	2.248	3.218	3.7	20.4
12 17	3 52.57	+28 26.7	1.731	2.658	8.8	19.6	12 17	3 55.37	+23 8.3	2.299	3.224	7.1	20.7
12 27	3 46.39	+27 49.4	1.804	2.666	12.4	19.8	12 27	3 49.69	+22 27.7	2.377	3.230	10.1	20.9
220089	2002 <i>SF</i> ₂₀		11 26.9 20°16'	2.6°/27.6	18								

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
150440	2000 <i>GR</i> ₁₁₈	11 26.9 232°76	0°6/26.7	18			229461	2005 <i>UG</i> ₂₁₇	11 26.9 315°10	0°5/27.0	18		
10 18	4 42.39	+21 20.2	1.828	2.609	16.3	21.4	10 18	4 39.61	+22 7.6	1.419	2.224	19.0	20.6
10 28	4 38.20	+21 3.0	1.732	2.600	13.1	21.1	10 28	4 37.01	+22 17.3	1.328	2.210	15.4	20.3
11 7	4 31.16	+20 39.2	1.656	2.591	9.1	20.9	11 7	4 30.97	+22 21.4	1.256	2.196	10.9	20.0
11 17	4 21.82	+20 9.4	1.606	2.581	4.7	20.6	11 17	4 21.98	+22 18.9	1.206	2.182	5.7	19.7
11 27	4 11.19	+19 35.3	1.584	2.570	0.6	20.3	11 27	4 11.23	+22 10.1	1.182	2.169	0.5	19.2
12 7	4 0.55	+19 0.3	1.590	2.559	5.1	20.6	12 7	4 0.33	+21 57.0	1.184	2.156	5.8	19.6
12 17	3 51.17	+18 28.3	1.625	2.548	9.6	20.8	12 17	3 50.93	+21 43.5	1.212	2.144	11.2	19.9
12 27	3 44.09	+18 3.8	1.685	2.536	13.7	21.0	12 27	3 44.39	+21 34.3	1.262	2.133	16.0	20.1
316623	2011 <i>WH</i> ₈₅	11 26.9 327°18	1°6/26.4	18			131707	2001 <i>YM</i> ₃₉	11 26.9 139°99	0°5/27.1	18		
10 18	4 39.03	+17 18.2	1.791	2.584	16.1	20.8	10 18	4 47.99	+22 55.4	1.704	2.478	17.6	20.6
10 28	4 35.48	+17 13.8	1.704	2.579	12.9	20.6	10 28	4 42.63	+22 59.2	1.627	2.490	14.1	20.4
11 7	4 29.23	+17 7.6	1.637	2.574	9.0	20.3	11 7	4 34.17	+22 56.5	1.571	2.502	9.8	20.2
11 17	4 20.82	+17 0.6	1.594	2.569	4.7	20.1	11 17	4 23.30	+22 46.6	1.540	2.513	5.1	20.0
11 27	4 11.22	+16 54.4	1.579	2.564	1.6	19.8	11 27	4 11.22	+22 29.7	1.537	2.524	0.5	19.6
12 7	4 1.63	+16 51.0	1.592	2.560	5.3	20.1	12 7	3 59.40	+22 8.3	1.563	2.533	5.0	20.0
12 17	3 53.24	+16 52.8	1.633	2.556	9.6	20.3	12 17	3 49.18	+21 46.3	1.618	2.542	9.6	20.3
12 27	3 47.04	+17 1.7	1.698	2.552	13.5	20.6	12 27	3 41.59	+21 28.2	1.698	2.550	13.5	20.6
300438	2007 <i>TX</i> ₃₈	11 26.9 336°40	0°9/27.1	18			317313	2002 <i>GG</i> ₁₇₉	11 26.9 125°12	3°6/25.0	18		
10 18	4 37.79	+22 36.8	1.479	2.283	18.4	20.2	10 18	4 36.99	+11 48.9	2.357	3.137	13.1	20.8
10 28	4 35.36	+22 52.4	1.391	2.272	14.8	19.9	10 28	4 32.92	+11 5.1	2.277	3.143	10.4	20.6
11 7	4 29.66	+23 2.5	1.322	2.261	10.5	19.6	11 7	4 26.91	+10 21.4	2.220	3.149	7.5	20.5
11 17	4 21.24	+23 6.1	1.276	2.251	5.5	19.3	11 17	4 19.44	+9 40.8	2.189	3.154	4.7	20.3
11 27	4 11.21	+23 3.1	1.255	2.242	0.9	19.0	11 27	4 11.27	+9 6.6	2.188	3.160	3.7	20.2
12 7	4 1.11	+22 55.2	1.261	2.233	5.5	19.3	12 7	4 3.22	+8 41.6	2.216	3.165	5.7	20.4
12 17	3 52.45	+22 45.7	1.292	2.226	10.6	19.6	12 17	3 56.11	+8 27.8	2.272	3.170	8.6	20.6
12 27	3 46.49	+22 39.0	1.347	2.219	15.1	19.8	12 27	3 50.59	+8 26.2	2.354	3.175	11.4	20.8
262951	2007 <i>DN</i> ₅₈	11 26.9 3°52	0°2/26.8	18			314242	2005 <i>QR</i> ₅₅	11 26.9 32°01	0°9/27.2	17		
10 18	4 37.79	+21 43.6	1.961	2.746	15.2	20.9	10 18	4 39.34	+24 3.7	1.856	2.639	16.0	21.2
10 28	4 34.23	+21 31.7	1.875	2.746	12.1	20.7	10 28	4 35.64	+24 6.2	1.775	2.644	12.8	21.0
11 7	4 28.18	+21 14.0	1.811	2.746	8.4	20.5	11 7	4 29.26	+24 1.9	1.716	2.648	9.0	20.8
11 17	4 20.21	+20 51.1	1.772	2.746	4.3	20.2	11 17	4 20.79	+23 50.2	1.680	2.653	4.7	20.6
11 27	4 11.23	+20 24.6	1.760	2.747	0.3	19.9	11 27	4 11.25	+23 31.7	1.673	2.659	0.9	20.3
12 7	4 2.35	+19 57.2	1.778	2.748	4.5	20.2	12 7	4 1.86	+23 8.9	1.693	2.664	4.5	20.6
12 17	3 54.63	+19 32.2	1.823	2.749	8.6	20.5	12 17	3 53.75	+22 45.1	1.742	2.670	8.7	20.8
12 27	3 48.93	+19 13.1	1.894	2.750	12.2	20.7	12 27	3 47.86	+22 24.4	1.816	2.676	12.4	21.1
475042	2005 <i>UO</i> ₆₂	11 26.9 316°61	1°1/26.5	18			355957	2008 <i>YB</i> ₁₄₉	11 26.9 228°36	8°1/30.5	18		
10 18	4 37.72	+20 48.2	1.402	2.213	18.9	21.4	10 18	4 47.75	+43 38.3	2.209	2.905	16.2	20.8
10 28	4 35.43	+20 27.3	1.311	2.197	15.2	21.1	10 28	4 42.92	+44 38.0	2.112	2.898	14.1	20.6
11 7	4 29.80	+19 58.7	1.239	2.181	10.7	20.8	11 7	4 34.75	+45 23.2	2.034	2.891	11.8	20.5
11 17	4 21.34	+19 23.3	1.190	2.166	5.5	20.5	11 17	4 23.80	+45 47.5	1.979	2.884	9.6	20.3
11 27	4 11.23	+18 44.0	1.166	2.152	1.1	20.2	11 27	4 11.22	+45 46.1	1.949	2.876	8.2	20.2
12 7	4 1.02	+18 5.2	1.167	2.138	6.1	20.5	12 7	3 58.56	+45 18.0	1.947	2.868	8.5	20.2
12 17	3 52.30	+17 32.4	1.194	2.125	11.6	20.7	12 17	3 47.38	+44 26.8	1.971	2.859	10.2	20.3
12 27	3 46.36	+17 10.6	1.244	2.112	16.4	21.0	12 27	3 38.94	+43 20.2	2.020	2.850	12.6	20.4
305235	2007 <i>XC</i> ₂₀	11 26.9 280°40	3°7/27.3	18			15637	2000 <i>JY</i> ₅₃	11 26.9 222°50	0°7/26.4	18		
10 18	4 50.66	+25 15.7	1.909	2.664	16.5	20.7	10 18	4 36.93	+21 55.7	2.611	3.380	12.2	18.2
10 28	4 45.24	+26 48.2	1.806	2.655	13.6	20.5	10 28	4 32.83	+21 13.9	2.514	3.376	9.7	18.0
11 7	4 36.50	+28 21.2	1.726	2.645	10.0	20.2	11 7	4 26.83	+20 25.5	2.439	3.371	6.7	17.8
11 17	4 24.81	+29 49.3	1.672	2.635	6.1	20.0	11 17	4 19.41	+19 31.9	2.393	3.367	3.4	17.6
11 27	4 11.19	+31 6.5	1.647	2.625	3.7	19.8	11 27	4 11.28	+18 35.5	2.376	3.362	0.7	17.3
12 7	3 57.09	+32 8.7	1.654	2.615	6.0	19.9	12 7	4 3.23	+17 39.7	2.390	3.357	3.8	17.6
12 17	3 44.14	+32 55.1	1.689	2.605	9.9	20.2	12 17	3 56.06	+16 47.9	2.435	3.352	7.1	17.8
12 27	3 33.73	+33 29.0	1.752	2.595	13.6	20.4	12 27	3 50.41	+16 3.6	2.506	3.347	10.1	18.0
69929	1998 <i>TA</i> ₃₃	11 26.9 15°24	0°8/26.6	18			186000	2001 <i>QC</i> ₇	11 26.9 78°65	2°0/26.2	18		
10 18	4 36.40	+20 17.1	1.790	2.586	16.0	19.1	10 18	4 45.08	+17 47.0	1.540	2.331	18.4	20.8
10 28	4 33.30	+20 4.3	1.713	2.591	12.7	18.9	10 28	4 40.20	+17 22.7	1.483	2.357	14.5	20.6
11 7	4 27.61	+19 46.7	1.657	2.596	8.8	18.7	11 7	4 32.32	+16 55.1	1.446	2.382	10.0	20.4
11 17	4 19.93	+19 25.2	1.626	2.601	4.5	18.4	11 17	4 22.25	+16 26.1	1.433	2.408	5.2	20.2
11 27	4 11.25	+19 1.8	1.621	2.608	0.8	18.2	11 27	4 11.26	+15 58.6	1.448	2.433	2.1	20.1
12 7	4 2.73	+18 39.4	1.645	2.615	4.8	18.5	12 7	4 0.76	+15 36.1	1.491	2.457	5.8	20.4
12 17	3 55.45	+18 21.2	1.696	2.623	9.0	18.7	12 17	3 51.97	+15 21.7	1.561	2.481	10.2	20.7
12 27	3 50.31	+18 10.1	1.772	2.631	12.7	19.0	12 27	3 45.78	+15 17.6	1.656	2.505	14.0	21.0
287949	2003 <i>UO</i> ₉₁	11 26.9 65°03	4°1/24.7	18			436229	2010 <i>AF</i> ₅₂	11 26.9 40°21	4°8/25.5	18		
10 18	4 36.05	+11 38.4	2.225	3.010	13.6	20.5	10 18	4 39.79	+12 40.2	1.314	2.129	19.7	20.1
10 28	4 32.28	+10 42.6	2.149	3.018	10.9	20.3	10 28	4 36.60	+11 58.8	1.255	2.141	15.7	19.9
11 7	4 26.49	+9 46.7	2.097	3.026	7.8	20.2	11 7	4 30.17	+11 18.2	1.216	2.155	11.2	19.7
11 17	4 19.23	+8 54.3	2.071	3.035	5.0	20.0	11 17	4 21.29	+10 43.0	1.198	2.169	6.7	19.5
11 27	4 11.26	+8 9.4	2.073	3.043	4.2	20.0	11 27	4 11.27	+10 18.0	1.206	2.183	4.9	19.4
12 7	4 3.46	+7 35.4	2.105	3.051	6.2	20.1	12 7	4 1.63	+10 7.1	1.240	2.199	7.9	19.6
12 17	3 56.64	+7 14.5	2.164	3.060	9.1	20.3	12 17	3 53.71	+10 12.2	1.298	2.214	12.2	19.9
12 27	3 51.48	+7 7.7	2.248	3.068	11.9	20.5	12 27	3 48.51	+10 33.3	1.379	2.230	16.1	20.2
303101	2004 <i>BW</i> ₉₂	11 26.9 235°05	1°1/27.5	18			508921	2004 <i></i>					

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
406931	2009 <i>HT</i> ₂₀		11 26.9 214°41'	1.1°/26.4	18		78096	2002 <i>LO</i> ₃₄		11 26.9 300°03'	2.4°/27.6	18	
10 18	4 40.48	+18 19.9	2.594	3.359	12.4	22.6	10 18	4 43.82	+25 33.4	1.416	2.210	19.6	19.0
10 28	4 35.71	+18 7.2	2.491	3.351	9.9	22.5	10 28	4 40.43	+26 2.6	1.333	2.205	16.0	18.7
11 7	4 28.91	+17 51.8	2.411	3.341	6.9	22.2	11 7	4 33.37	+26 24.6	1.268	2.201	11.5	18.4
11 17	4 20.53	+17 34.2	2.358	3.331	3.6	22.0	11 17	4 23.23	+26 36.2	1.225	2.196	6.5	18.1
11 27	4 11.29	+17 16.1	2.336	3.321	1.1	21.8	11 27	4 11.30	+26 35.6	1.208	2.192	2.5	17.9
12 7	4 2.03	+16 59.1	2.344	3.310	4.0	22.0	12 7	3 59.34	+26 23.9	1.217	2.188	5.9	18.1
12 17	3 53.61	+16 45.5	2.383	3.298	7.4	22.2	12 17	3 49.10	+26 5.3	1.253	2.184	11.0	18.4
12 27	3 46.75	+16 37.4	2.449	3.285	10.5	22.4	12 27	3 41.93	+25 46.0	1.311	2.180	15.6	18.6
518085	2016 <i>AO</i> ₂₂₈		11 26.9 285°48'	1.5°/27.7	17		521548	2015 <i>OZ</i> ₁₀₁		11 26.9 88°30'	5.3°/29.5	17	
10 18	4 37.69	+27 7.3	2.357	3.122	13.5	21.7	10 18	4 43.51	+36 19.8	1.998	2.738	16.4	21.0
10 28	4 33.90	+27 1.1	2.255	3.111	10.9	21.5	10 28	4 39.13	+36 44.1	1.916	2.745	13.7	20.8
11 7	4 27.86	+26 46.7	2.175	3.100	7.8	21.3	11 7	4 31.78	+36 54.3	1.854	2.753	10.6	20.6
11 17	4 20.06	+26 23.2	2.120	3.090	4.4	21.1	11 17	4 22.13	+36 46.7	1.815	2.761	7.4	20.4
11 27	4 11.30	+25 51.3	2.095	3.079	1.5	20.8	11 27	4 11.32	+36 19.5	1.804	2.768	5.4	20.3
12 7	4 2.55	+25 13.2	2.099	3.068	3.9	21.0	12 7	4 0.73	+35 34.5	1.820	2.776	6.1	20.4
12 17	3 54.76	+24 32.3	2.132	3.058	7.5	21.2	12 17	3 51.62	+34 36.8	1.865	2.783	8.9	20.6
12 27	3 48.75	+23 52.8	2.191	3.047	10.8	21.4	12 27	3 44.99	+33 33.4	1.935	2.791	12.0	20.8
290492	2005 <i>UZ</i> ₁₃		11 26.9 202°41'	1.9°/25.9	18		382667	2002 <i>TZ</i> ₁₀₇		11 26.9 38°98'	3.6°/26.2	18	
10 18	4 38.16	+17 23.1	2.191	2.973	13.9	21.4	10 18	4 42.57	+14 2.4	1.076	1.902	22.5	20.1
10 28	4 34.16	+16 54.0	2.103	2.972	11.1	21.2	10 28	4 39.34	+13 53.5	1.030	1.923	17.8	19.9
11 7	4 27.96	+16 21.6	2.036	2.970	7.7	21.0	11 7	4 32.31	+13 46.6	1.002	1.946	12.4	19.7
11 17	4 20.07	+15 47.7	1.996	2.969	4.1	20.7	11 17	4 22.44	+13 44.2	0.995	1.969	6.8	19.5
11 27	4 11.31	+15 14.8	1.984	2.968	1.9	20.6	11 27	4 11.33	+13 48.9	1.011	1.994	3.6	19.4
12 7	4 2.63	+14 45.8	2.002	2.966	4.8	20.8	12 7	4 0.84	+14 2.7	1.052	2.019	7.5	19.7
12 17	3 54.96	+14 23.7	2.049	2.964	8.4	21.0	12 17	3 52.53	+14 26.7	1.117	2.045	12.5	20.0
12 27	3 49.06	+14 10.7	2.122	2.963	11.7	21.2	12 27	3 47.46	+15 0.8	1.204	2.071	16.9	20.4
113752	2002 <i>TF</i> ₁₆₇		11 26.9 309°26'	0.3°/26.7	18		323667	2005 <i>ES</i> ₈₂		11 26.9 141°42'	2.7°/25.8	16	
10 18	4 39.11	+24 28.5	1.821	2.606	16.2	19.7	10 18	4 43.99	+16 49.7	1.706	2.492	17.1	21.8
10 28	4 35.51	+23 40.5	1.731	2.601	13.0	19.4	10 28	4 39.30	+16 9.4	1.630	2.502	13.6	21.6
11 7	4 29.20	+22 41.1	1.662	2.597	9.1	19.2	11 7	4 31.77	+15 25.3	1.576	2.510	9.5	21.4
11 17	4 20.79	+21 31.5	1.618	2.593	4.6	18.9	11 17	4 22.09	+14 39.9	1.546	2.519	5.2	21.2
11 27	4 11.30	+20 15.3	1.603	2.589	0.3	18.6	11 27	4 11.35	+13 57.0	1.544	2.526	2.8	21.0
12 7	4 1.98	+18 58.0	1.616	2.585	4.9	18.9	12 7	4 0.86	+13 20.9	1.572	2.534	6.1	21.3
12 17	3 53.96	+17 45.9	1.657	2.582	9.3	19.2	12 17	3 51.82	+12 55.4	1.626	2.540	10.3	21.5
12 27	3 48.18	+16 44.8	1.724	2.578	13.3	19.4	12 27	3 45.17	+12 42.7	1.705	2.546	14.1	21.8
286367	2001 <i>XJ</i> ₁₆₄		11 26.9 9°08'	1.6°/26.4	18		49528	1999 <i>CN</i> ₄₆		11 26.9 288°96'	0.8°/26.6	18	
10 18	4 36.05	+19 22.8	1.158	1.988	20.9	20.2	10 18	4 36.95	+19 22.8	2.379	3.157	13.1	19.3
10 28	4 34.41	+19 6.4	1.093	1.989	16.7	20.0	10 28	4 33.19	+19 14.8	2.279	3.145	10.4	19.1
11 7	4 29.15	+18 44.2	1.046	1.992	11.7	19.7	11 7	4 27.33	+19 3.6	2.200	3.134	7.3	18.9
11 17	4 20.98	+18 18.1	1.019	1.996	6.0	19.4	11 17	4 19.81	+18 49.7	2.148	3.123	3.7	18.7
11 27	4 11.30	+17 51.4	1.016	2.002	1.6	19.1	11 27	4 11.37	+18 34.6	2.125	3.111	0.8	18.4
12 7	4 1.87	+17 28.6	1.038	2.009	6.6	19.5	12 7	4 2.90	+18 20.0	2.132	3.100	4.1	18.7
12 17	3 54.30	+17 13.9	1.083	2.017	12.0	19.8	12 17	3 55.29	+18 8.2	2.168	3.089	7.7	18.9
12 27	3 49.77	+17 11.0	1.149	2.026	16.8	20.1	12 27	3 49.32	+18 1.6	2.230	3.078	10.9	19.1
15039	1998 <i>WN</i> ₁₆		11 26.9 350°00'	1.5°/26.4	18		229017	2003 <i>YS</i> ₆₁		11 26.9 343°90'	2.8°/25.8	17	
10 18	4 34.68	+19 59.1	1.141	1.974	21.0	16.8	10 18	4 35.87	+14 10.0	1.992	2.786	14.7	19.7
10 28	4 33.56	+19 38.6	1.067	1.965	16.9	16.5	10 28	4 32.65	+13 53.0	1.904	2.779	11.7	19.5
11 7	4 28.76	+19 10.6	1.011	1.958	11.8	16.2	11 7	4 27.11	+13 35.8	1.838	2.773	8.3	19.3
11 17	4 20.89	+18 37.1	0.974	1.952	6.1	15.9	11 17	4 19.74	+13 20.7	1.796	2.768	4.7	19.1
11 27	4 11.31	+18 1.6	0.962	1.948	1.6	15.6	11 27	4 11.37	+13 9.8	1.783	2.763	2.8	19.0
12 7	4 1.80	+17 29.4	0.973	1.945	6.8	15.9	12 7	4 3.04	+13 5.7	1.797	2.759	5.5	19.1
12 17	3 54.09	+17 5.9	1.007	1.943	12.5	16.2	12 17	3 55.73	+13 10.0	1.839	2.755	9.2	19.3
12 27	3 49.49	+16 55.5	1.063	1.943	17.6	16.5	12 27	3 50.27	+13 23.9	1.906	2.752	12.6	19.5
403488	2009 <i>UC</i> ₇₁		11 26.9 34°45'	1.9°/27.8	17		390182	2012 <i>WO</i> ₁₂		11 26.9 112°01'	0.9°/26.6	18	
10 18	4 38.53	+27 21.3	1.829	2.609	16.3	20.3	10 18	4 42.63	+19 18.0	1.810	2.594	16.3	21.3
10 28	4 35.00	+27 20.4	1.757	2.622	13.1	20.1	10 28	4 38.18	+19 14.0	1.733	2.602	13.0	21.1
11 7	4 28.78	+27 9.7	1.706	2.635	9.3	19.9	11 7	4 31.00	+19 6.5	1.676	2.611	9.0	20.9
11 17	4 20.54	+26 48.4	1.679	2.649	5.2	19.7	11 17	4 21.72	+18 56.1	1.645	2.619	4.6	20.7
11 27	4 11.32	+26 17.4	1.679	2.664	1.9	19.5	11 27	4 11.36	+18 43.9	1.641	2.627	0.9	20.4
12 7	4 2.37	+25 39.6	1.708	2.679	4.5	19.7	12 7	4 1.18	+18 32.4	1.667	2.635	4.9	20.7
12 17	3 54.80	+24 59.4	1.764	2.694	8.5	20.0	12 17	3 52.35	+18 24.1	1.720	2.643	9.2	21.0
12 27	3 49.47	+24 21.8	1.846	2.710	12.1	20.2	12 27	3 45.78	+18 21.8	1.799	2.651	12.9	21.3
493954	2016 <i>AP</i> ₄₄		11 26.9 322°20'	2.7°/25.8	17		27557	2000 <i>JP</i> ₅₅		11 26.9 226°38'	2.2°/25.7	18	
10 18	4 36.71	+14 10.5	2.068	2.857	14.4	21.0	10 18	4 36.06	+15 9.7	2.726	3.500	11.7	18.7
10 28	4 33.24	+13 53.9	1.975	2.848	11.5	20.8	10 28	4 32.07	+14 40.1	2.629	3.494	9.3	18.5
11 7	4 27.48	+13 37.2	1.905	2.839	8.1	20.5	11 7	4 26.31	+14 9.0	2.556	3.487	6.5	18.3
11 17	4 19.90	+13 22.2	1.859	2.831	4.6	20.3	11 17	4 19.20	+13 37.9	2.510	3.481	3.7	18.2
11 27	4 11.33	+13 11.3	1.842	2.823	2.8	20.2	11 27	4 11.39	+13 9.3	2.494	3.474	2.3	18.0
12 7	4 2.76	+13 6.8	1.854	2.815	5.4	20.3	12 7	4 3.62	+12 45.4	2.509	3.467	4.4	18.2
12 17	3 55.16	+13 10.3	1.893	2.808	9.0	20.5	12 17	3 56.59	+12 28.3	2.553	3.460	7.3	18.4
12 27	3 49.38	+13 23.3	1.958	2.801	12.4	20.7	12 27	3 50.95	+12 19.5	2.623	3.453	10.1	18.5
448995	2012 <i>BB</i> ₂₉		11 26.9 20°68'	0.8°/26.6	17								

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
301101	2008 <i>UB</i> ₃₇₀		11 26.9 350°15	4.8/29.3	18		519770	2013 <i>EO</i> ₁₅₆		11 26.9 322°37	1.6/26.3	17	
10 18	4 38.31	+35 3.0	1.403	2.186	20.3	19.4	10 18	4 36.73	+19 55.8	1.582	2.387	17.4	21.3
10 28	4 36.20	+34 52.0	1.320	2.180	16.9	19.2	10 28	4 34.19	+19 25.5	1.490	2.373	13.9	21.0
11 7	4 30.42	+34 19.7	1.254	2.175	12.8	18.9	11 7	4 28.69	+18 48.1	1.418	2.358	9.8	20.8
11 17	4 21.67	+33 22.8	1.210	2.170	8.3	18.7	11 17	4 20.75	+18 5.3	1.369	2.345	5.1	20.5
11 27	4 11.37	+32 1.4	1.190	2.167	4.9	18.5	11 27	4 11.42	+17 20.3	1.346	2.332	1.6	20.2
12 7	4 1.32	+30 21.1	1.196	2.165	6.5	18.6	12 7	4 2.06	+16 37.9	1.351	2.319	5.8	20.4
12 17	3 53.15	+28 32.1	1.228	2.163	10.8	18.8	12 17	3 54.01	+16 2.8	1.381	2.308	10.7	20.7
12 27	3 48.07	+26 46.0	1.284	2.163	15.2	19.1	12 27	3 48.38	+15 39.4	1.435	2.296	15.0	20.9
358225	2006 <i>SD</i> ₂₅₅		11 26.9 12°50	3°1/26.1	17		14166	1998 <i>UZ</i> ₆		11 26.9 263°06	7°0/23.9	18	
10 18	4 36.13	+14 40.2	1.304	2.126	19.4	20.1	10 18	4 38.15	+ 4 1.1	1.994	2.775	15.1	18.3
10 28	4 33.95	+14 29.6	1.240	2.131	15.5	19.9	10 28	4 34.38	+ 3 2.8	1.907	2.766	12.5	18.1
11 7	4 28.54	+14 19.6	1.194	2.138	10.9	19.6	11 7	4 28.28	+ 2 9.4	1.842	2.756	9.8	17.9
11 17	4 20.61	+14 12.6	1.171	2.145	6.0	19.4	11 17	4 20.36	+ 1 26.2	1.802	2.746	7.6	17.7
11 27	4 11.39	+14 11.4	1.172	2.155	3.2	19.2	11 27	4 11.44	+ 0 58.4	1.789	2.736	7.1	17.7
12 7	4 2.40	+14 18.5	1.198	2.165	6.8	19.5	12 7	4 2.53	+ 0 49.4	1.802	2.726	8.9	17.8
12 17	3 55.03	+14 35.4	1.249	2.177	11.5	19.8	12 17	3 54.63	+ 1 0.7	1.842	2.716	11.6	17.9
12 27	3 50.36	+15 2.9	1.323	2.190	15.7	20.1	12 27	3 48.58	+ 1 31.4	1.905	2.706	14.5	18.1
3087	Beatrice Tinsley		11 26.9 3°44	10°5/ 2.2	18		413790	2006 <i>HZ</i> ₈₇		11 26.9 122°36	2°9/28.3	17	
10 18	4 46.07	+49 3.3	2.052	2.733	17.7	17.6	10 18	4 40.65	+30 0.9	2.534	3.281	13.1	21.7
10 28	4 42.25	+50 20.1	1.970	2.733	15.8	17.4	10 28	4 36.10	+30 27.3	2.445	3.286	10.7	21.5
11 7	4 34.66	+51 18.9	1.905	2.733	13.7	17.3	11 7	4 29.32	+30 46.1	2.378	3.292	7.9	21.3
11 17	4 23.91	+51 52.1	1.861	2.733	11.8	17.2	11 17	4 20.83	+30 55.2	2.337	3.297	4.9	21.2
11 27	4 11.35	+51 53.8	1.840	2.734	10.6	17.1	11 27	4 11.44	+30 53.7	2.325	3.302	2.9	21.0
12 7	3 58.82	+51 23.0	1.843	2.736	10.6	17.1	12 7	4 2.10	+30 42.4	2.343	3.307	4.2	21.1
12 17	3 48.13	+50 23.9	1.870	2.738	11.8	17.2	12 17	3 53.75	+30 23.6	2.391	3.312	7.1	21.3
12 27	3 40.63	+49 5.1	1.921	2.740	13.6	17.3	12 27	3 47.18	+30 1.2	2.466	3.317	9.9	21.5
479489	2014 <i>AG</i> ₃₃		11 26.9 339°88	3°6/28.3	18		21865	1999 <i>TD</i> ₂₄₆		11 26.9 200°40	5°3/24.1	18	
10 18	4 40.55	+30 4.4	1.395	2.187	19.9	20.8	10 18	4 39.23	+ 9 21.2	2.126	2.906	14.3	18.2
10 28	4 37.94	+30 15.7	1.312	2.181	16.4	20.6	10 28	4 35.01	+ 8 12.5	2.040	2.903	11.6	18.0
11 7	4 31.66	+30 13.2	1.248	2.177	12.0	20.3	11 7	4 28.57	+ 7 3.9	1.977	2.900	8.6	17.8
11 17	4 22.36	+29 53.6	1.205	2.172	7.3	20.0	11 17	4 20.44	+ 6 0.0	1.940	2.897	6.0	17.6
11 27	4 11.37	+29 15.9	1.187	2.169	3.7	19.8	11 27	4 11.44	+ 5 5.8	1.931	2.893	5.4	17.6
12 7	4 0.48	+28 23.4	1.195	2.165	6.1	19.9	12 7	4 2.53	+ 4 25.7	1.952	2.888	7.4	17.7
12 17	3 51.39	+27 23.0	1.229	2.162	10.9	20.2	12 17	3 54.63	+ 4 2.3	2.000	2.883	10.4	17.9
12 27	3 45.38	+26 23.7	1.285	2.160	15.5	20.5	12 27	3 48.52	+ 3 56.5	2.072	2.878	13.2	18.0
421577	2014 <i>OR</i> ₁₉₄		11 26.9 114°52	2°9/25.5	18		466241	2013 <i>CG</i> ₁		11 26.9 274°86	10°0/26.9	17	
10 18	4 38.48	+12 54.5	2.561	3.333	12.4	22.1	10 18	4 53.12	- 2 30.2	1.235	2.012	22.8	20.6
10 28	4 33.87	+12 23.7	2.487	3.350	9.8	21.9	10 28	4 48.16	- 2 20.5	1.150	2.001	19.5	20.3
11 7	4 27.46	+11 53.0	2.437	3.365	6.9	21.8	11 7	4 39.07	- 1 47.7	1.082	1.990	15.6	20.0
11 17	4 19.74	+11 24.7	2.414	3.381	4.1	21.6	11 17	4 26.37	- 0 44.4	1.034	1.978	11.8	19.8
11 27	4 11.41	+11 1.0	2.420	3.396	2.9	21.6	11 27	4 11.39	+ 0 54.0	1.011	1.967	10.0	19.6
12 7	4 3.26	+10 44.2	2.457	3.411	4.9	21.7	12 7	3 56.13	+ 3 5.1	1.014	1.955	11.9	19.7
12 17	3 56.01	+10 35.9	2.524	3.426	7.7	21.9	12 17	3 42.63	+ 5 40.5	1.044	1.944	16.1	19.9
12 27	3 50.27	+10 36.9	2.616	3.440	10.3	22.1	12 27	3 32.55	+ 8 29.7	1.096	1.932	20.5	20.1
327768	2006 <i>UC</i> ₇₉		11 26.9 119°00	0°9/27.3	16		41110	1999 <i>VB</i> ₇₈		11 26.9 115°95	1°2/26.3	18	
10 18	4 47.05	+24 40.2	1.743	2.514	17.3	21.7	10 18	4 41.58	+22 10.4	1.909	2.689	15.8	18.9
10 28	4 41.76	+24 33.6	1.672	2.533	13.8	21.5	10 28	4 37.11	+21 14.9	1.831	2.699	12.5	18.7
11 7	4 33.48	+24 18.7	1.621	2.550	9.7	21.3	11 7	4 30.10	+20 10.5	1.774	2.708	8.6	18.5
11 17	4 22.95	+23 54.6	1.594	2.567	5.1	21.1	11 17	4 21.21	+18 59.4	1.743	2.718	4.4	18.3
11 27	4 11.38	+23 22.6	1.597	2.583	0.9	20.8	11 27	4 11.45	+17 45.6	1.742	2.727	1.2	18.1
12 7	4 0.17	+22 45.8	1.628	2.598	4.8	21.1	12 7	4 1.97	+16 34.5	1.770	2.736	5.0	18.3
12 17	3 50.56	+22 8.9	1.688	2.613	9.2	21.4	12 17	3 53.83	+15 31.3	1.826	2.745	9.0	18.6
12 27	3 43.51	+21 36.8	1.773	2.627	13.0	21.7	12 27	3 47.84	+14 40.5	1.909	2.754	12.6	18.9
257017	2008 <i>FU</i> ₁₂		11 26.9 120°09	1°4/26.4	18		40931	1999 <i>TX</i> ₁₈₉		11 26.9 123°16	3°8/28.8	18	
10 18	4 45.49	+19 12.4	1.804	2.582	16.6	21.4	10 18	4 45.59	+33 4.6	2.105	2.847	15.6	19.8
10 28	4 40.27	+18 48.8	1.733	2.600	13.1	21.2	10 28	4 40.38	+33 16.0	2.026	2.861	12.8	19.7
11 7	4 32.32	+18 20.6	1.684	2.617	9.1	21.0	11 7	4 32.44	+33 15.2	1.967	2.875	9.6	19.5
11 17	4 22.33	+17 49.1	1.660	2.634	4.7	20.8	11 17	4 22.43	+32 59.6	1.934	2.889	6.2	19.3
11 27	4 11.40	+17 16.9	1.665	2.650	1.4	20.6	11 27	4 11.44	+32 28.4	1.928	2.902	3.8	19.2
12 7	4 0.80	+16 47.1	1.699	2.665	5.1	20.9	12 7	4 0.72	+31 44.0	1.953	2.915	5.1	19.3
12 17	3 51.66	+16 23.4	1.761	2.680	9.3	21.2	12 17	3 51.42	+30 51.2	2.006	2.927	8.2	19.5
12 27	3 44.86	+16 8.6	1.849	2.694	13.0	21.4	12 27	3 44.43	+29 56.0	2.085	2.939	11.3	19.7
41943	Fredrick		11 26.9 0°42	0°5/26.9	18		168062	2006 <i>BB</i> ₂₆₆		11 26.9 151°00	1°8/25.9	18	
10 18	4 43.55	+18 0.1	1.370	2.174	19.6	17.9	10 18	4 41.71	+16 47.8	2.520	3.284	12.7	21.3
10 28	4 40.17	+19 0.4	1.292	2.172	15.8	17.6	10 28	4 36.52	+16 19.9	2.437	3.296	10.1	21.2
11 7	4 33.20	+20 4.1	1.232	2.171	11.1	17.3	11 7	4 29.37	+15 49.7	2.377	3.307	7.0	21.0
11 17	4 23.19	+21 8.7	1.195	2.171	5.8	17.0	11 17	4 20.76	+15 18.4	2.345	3.317	3.8	20.8
11 27	4 11.39	+22 11.0	1.185	2.171	0.5	16.7	11 27	4 11.46	+14 48.5	2.343	3.326	1.9	20.7
12 7	3 59.50	+23 8.3	1.201	2.173	5.8	17.0	12 7	4 2.31	+14 22.2	2.373	3.334	4.4	20.9
12 17	3 49.24	+24 0.1	1.244	2.175	11.1	17.4	12 17	3 54.12	+14 1.9	2.432	3.342	7.6	21.1
12 27	3 41.98	+24 48.0	1.310	2.178	15.7	17.6	12 27	3 47.57	+13 49.5	2.519	3.349	10.4	21.3
434200	2003 <i>PR</i>		11 26.9 65°18	3°5/28.4	18		187317	2005 <i>UP</i> ₄₀		1			

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
406778	2008 QZ ₄₇		11 26.9	18 ^o 12	9 ^o 2/	1.2 17	416397	2003 UJ ₁₀₅		11 26.9	28 ^o 95	1 ^o 4/27.8	18
10 18	4 42.20	+43 20.1	1.779	2.505	18.6	20.5	10 18	4 38.23	+29 0.9	1.974	2.746	15.6	20.0
10 28	4 39.06	+44 30.1	1.708	2.514	16.1	20.3	10 28	4 34.58	+28 20.5	1.893	2.753	12.5	19.8
11 7	4 32.33	+45 22.3	1.655	2.523	13.4	20.2	11 7	4 28.42	+27 27.1	1.834	2.761	8.9	19.6
11 17	4 22.67	+45 50.0	1.623	2.533	10.9	20.1	11 17	4 20.40	+26 21.1	1.799	2.769	4.9	19.4
11 27	4 11.44	+45 48.4	1.614	2.545	9.3	20.0	11 27	4 11.52	+25 5.1	1.793	2.778	1.4	19.2
12 7	4 0.40	+45 17.7	1.631	2.557	9.5	20.0	12 7	4 2.93	+23 44.2	1.816	2.787	4.2	19.4
12 17	3 51.18	+44 23.0	1.672	2.569	11.2	20.2	12 17	3 55.64	+22 24.5	1.868	2.797	8.2	19.7
12 27	3 45.02	+43 13.4	1.737	2.583	13.6	20.3	12 27	3 50.45	+21 11.9	1.946	2.807	11.7	19.9
259726	2003 YV ₉₃		11 26.9	6 ^o 90	1 ^o 3/27.3	18	211734	2003 YT ₁₁₈		11 26.9	270 ^o 98	0 ^o 3/26.9	18
10 18	4 37.11	+25 16.8	1.090	1.917	22.2	19.6	10 18	4 41.48	+19 53.3	1.913	2.695	15.6	20.4
10 28	4 35.76	+25 11.0	1.024	1.917	17.9	19.3	10 28	4 37.43	+20 5.2	1.819	2.687	12.5	20.2
11 7	4 30.40	+24 52.6	0.974	1.918	12.7	19.0	11 7	4 30.68	+20 14.6	1.745	2.679	8.8	19.9
11 17	4 21.79	+24 20.8	0.944	1.920	6.8	18.7	11 17	4 21.73	+20 21.1	1.697	2.671	4.5	19.7
11 27	4 11.45	+23 37.5	0.937	1.924	1.3	18.4	11 27	4 11.52	+20 25.0	1.677	2.664	0.3	19.3
12 7	4 1.38	+22 48.1	0.955	1.929	6.3	18.7	12 7	4 1.24	+20 27.4	1.686	2.656	4.7	19.7
12 17	3 53.38	+22 0.3	0.995	1.935	12.1	19.1	12 17	3 52.11	+20 30.3	1.723	2.648	9.0	19.9
12 27	3 48.77	+21 21.3	1.057	1.942	17.2	19.4	12 27	3 45.12	+20 36.4	1.785	2.640	12.9	20.1
410895	2009 SD ₈₈		11 26.9	63 ^o 86	4 ^o 3/24.9	18	385433	2003 FR ₅₆		11 26.9	345 ^o 69	5 ^o 6/28.1	18
10 18	4 36.72	+10 48.2	2.160	2.946	13.9	21.4	10 18	4 38.52	+29 17.6	1.186	1.997	21.7	19.8
10 28	4 32.94	+10 0.8	2.084	2.952	11.2	21.2	10 28	4 37.21	+30 23.3	1.107	1.986	18.0	19.5
11 7	4 27.08	+9 14.3	2.030	2.958	8.1	21.1	11 7	4 31.81	+31 20.3	1.045	1.977	13.5	19.3
11 17	4 19.66	+8 32.0	2.001	2.965	5.3	20.9	11 17	4 22.78	+32 2.6	1.003	1.968	8.8	19.0
11 27	4 11.48	+7 57.9	2.001	2.971	4.3	20.9	11 27	4 11.50	+32 24.7	0.984	1.961	5.7	18.8
12 7	4 3.44	+7 34.9	2.030	2.977	6.3	21.0	12 7	4 0.05	+32 25.4	0.989	1.956	7.8	18.9
12 17	3 56.40	+7 25.0	2.087	2.984	9.3	21.2	12 17	3 50.52	+32 8.7	1.017	1.952	12.5	19.1
12 27	3 51.07	+7 28.7	2.168	2.990	12.2	21.4	12 27	3 44.58	+31 43.0	1.066	1.949	17.3	19.4
461325	2015 XN ₂₆₂		11 26.9	22 ^o 55	1 ^o 7/26.1	18	212149	2005 EB ₂₉₃		11 26.9	191 ^o 31	0 ^o 1/26.9	18
10 18	4 37.18	+19 52.9	1.869	2.661	15.6	20.9	10 18	4 43.10	+20 46.0	2.265	3.031	14.0	21.1
10 28	4 33.79	+19 7.8	1.789	2.664	12.4	20.7	10 28	4 38.19	+21 0.4	2.171	3.030	11.2	20.9
11 7	4 27.92	+18 16.1	1.730	2.668	8.6	20.5	11 7	4 30.90	+21 12.0	2.099	3.028	7.8	20.7
11 17	4 20.16	+17 20.1	1.697	2.672	4.4	20.3	11 17	4 21.73	+21 20.1	2.053	3.026	4.0	20.4
11 27	4 11.48	+16 23.7	1.692	2.677	1.7	20.1	11 27	4 11.52	+21 24.7	2.037	3.024	0.1	20.1
12 7	4 2.98	+15 31.4	1.715	2.681	5.2	20.3	12 7	4 1.31	+21 26.8	2.051	3.021	4.1	20.4
12 17	3 55.70	+14 47.5	1.766	2.687	9.2	20.6	12 17	3 52.12	+21 28.1	2.096	3.017	7.9	20.7
12 27	3 50.47	+14 15.4	1.842	2.692	12.8	20.8	12 27	3 44.79	+21 31.1	2.167	3.014	11.2	20.9
54858	2001 OE ₂₄		11 26.9	161 ^o 36	6 ^o 0/24.9	18	486329	2013 CR ₁₄₆		11 26.9	358 ^o 41	10 ^o 7/23.8	17
10 18	4 40.64	+ 4 11.5	2.084	2.857	14.8	19.6	10 18	4 36.20	- 1 10.4	1.447	2.246	19.0	20.7
10 28	4 36.13	+ 3 43.0	2.005	2.859	12.2	19.4	10 28	4 33.61	- 2 21.0	1.381	2.243	16.1	20.5
11 7	4 29.36	+ 3 21.4	1.947	2.861	9.3	19.2	11 7	4 28.15	- 3 19.2	1.335	2.241	13.3	20.4
11 17	4 20.87	+ 3 10.2	1.914	2.863	6.8	19.1	11 17	4 20.42	- 3 56.7	1.310	2.240	11.2	20.2
11 27	4 11.48	+ 3 12.8	1.909	2.864	6.1	19.1	11 27	4 11.53	- 4 6.5	1.308	2.240	10.8	20.2
12 7	4 2.19	+ 3 31.0	1.933	2.866	7.7	19.2	12 7	4 2.79	- 3 45.2	1.329	2.241	12.4	20.3
12 17	3 53.95	+ 4 4.8	1.984	2.867	10.4	19.3	12 17	3 55.43	- 2 54.0	1.373	2.242	15.1	20.5
12 27	3 47.54	+ 4 52.7	2.060	2.868	13.2	19.5	12 27	3 50.44	- 1 37.2	1.438	2.245	18.0	20.7
229063	2004 GP ₃₁		11 26.9	163 ^o 56	0 ^o 4/27.1	18	134256	2006 AE ₉₁		11 26.9	173 ^o 31	5 ^o 2/23.5	18
10 18	4 45.07	+22 39.4	2.012	2.780	15.4	21.6	10 18	4 35.70	+ 1 50.5	3.208	3.962	10.5	20.2
10 28	4 39.97	+22 39.9	1.926	2.786	12.4	21.4	10 28	4 31.38	+ 1 0.7	3.127	3.965	8.7	20.1
11 7	4 32.21	+22 34.8	1.862	2.791	8.7	21.2	11 7	4 25.64	+ 0 15.7	3.069	3.968	6.9	19.9
11 17	4 22.39	+22 23.6	1.823	2.795	4.5	20.9	11 17	4 18.85	- 0 21.5	3.039	3.970	5.5	19.9
11 27	4 11.49	+22 6.7	1.813	2.799	0.4	20.6	11 27	4 11.55	- 0 47.8	3.039	3.971	5.3	19.8
12 7	4 0.71	+21 46.4	1.833	2.802	4.4	20.9	12 7	4 4.32	- 1 1.3	3.067	3.972	6.4	19.9
12 17	3 51.20	+21 25.8	1.882	2.805	8.5	21.2	12 17	3 57.73	- 1 1.3	3.124	3.973	8.1	20.0
12 27	3 43.87	+21 8.6	1.958	2.807	12.1	21.4	12 27	3 52.27	- 0 48.0	3.206	3.973	9.9	20.2
486023	2012 SK ₆₁		11 26.9	17 ^o 33	0 ^o 2/27.0	17	154860	2004 RO ₇₄		11 26.9	130 ^o 79	0 ^o 7/26.7	18
10 18	4 37.31	+23 12.2	1.177	2.000	21.1	21.1	10 18	4 40.07	+19 3.9	2.372	3.143	13.3	20.1
10 28	4 35.44	+23 1.8	1.114	2.006	16.9	20.8	10 28	4 35.53	+19 5.3	2.287	3.150	10.5	20.0
11 7	4 29.88	+22 41.6	1.069	2.013	11.8	20.6	11 7	4 28.89	+19 4.2	2.225	3.157	7.3	19.8
11 17	4 21.41	+22 12.2	1.045	2.022	6.1	20.3	11 17	4 20.63	+19 1.0	2.189	3.163	3.7	19.6
11 27	4 11.49	+21 35.9	1.045	2.032	0.2	19.9	11 27	4 11.55	+18 56.6	2.183	3.169	0.7	19.3
12 7	4 1.91	+20 57.7	1.070	2.043	6.0	20.4	12 7	4 2.56	+18 52.2	2.207	3.175	3.9	19.6
12 17	3 54.25	+20 23.5	1.118	2.055	11.4	20.7	12 17	3 54.54	+18 49.9	2.261	3.181	7.4	19.8
12 27	3 49.69	+19 58.6	1.189	2.068	16.2	21.0	12 27	3 48.22	+18 51.4	2.341	3.187	10.6	20.0
164941	1999 XQ ₁₆₈		11 26.9	318 ^o 60	2 ^o 5/27.7	17	515504	2014 DL ₁₁₆		11 26.9	42 ^o 55	8 ^o 2/24.0	18
10 18	4 38.47	+26 44.2	1.533	2.328	18.3	19.2	10 18	4 38.95	+ 3 54.9	1.603	2.398	17.6	20.8
10 28	4 36.11	+27 2.2	1.434	2.308	15.0	18.9	10 28	4 35.43	+ 2 45.9	1.537	2.403	14.6	20.7
11 7	4 30.41	+27 11.5	1.355	2.288	10.9	18.6	11 7	4 29.20	+ 1 43.7	1.490	2.407	11.4	20.5
11 17	4 21.84	+27 9.4	1.298	2.269	6.3	18.3	11 17	4 20.89	+ 0 55.0	1.467	2.412	8.8	20.3
11 27	4 11.50	+26 54.8	1.266	2.250	2.5	18.0	11 27	4 11.55	+ 0 26.0	1.469	2.417	8.3	20.3
12 7	4 0.95	+26 29.3	1.261	2.232	5.7	18.2	12 7	4 2.41	+ 0 20.4	1.497	2.422	10.2	20.4
12 17	3 51.78	+25 57.3	1.282	2.215	10.6	18.4	12 17	3 54.62	+ 0 38.9	1.549	2.428	13.1	20.6
12 27	3 45.36	+25 25.1	1.325	2.199	15.2	18.7	12 27	3 49.07	+ 1 19.3	1.623	2.433	16.1	

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
332484	2008 <i>ET</i> ₁₃₃		11 26.9 152°15'	3°8'/25.2	16		443628	2014 <i>MS</i> ₄₆		11 26.9 46°11'	5°0'/24.4	17	
10 18	4 43.48	+14 10.4	1.875	2.656	15.9	22.1	10 18	4 36.89	+11 7.2	1.915	2.708	15.2	20.9
10 28	4 38.62	+13 14.0	1.798	2.665	12.7	21.9	10 28	4 33.34	+9 57.1	1.843	2.716	12.2	20.7
11 7	4 31.20	+12 15.2	1.742	2.673	9.0	21.6	11 7	4 27.50	+8 46.8	1.794	2.724	8.9	20.5
11 17	4 21.84	+11 17.5	1.713	2.681	5.4	21.4	11 17	4 19.96	+7 41.0	1.770	2.732	5.9	20.4
11 27	4 11.55	+10 25.6	1.712	2.688	3.9	21.4	11 27	4 11.59	+6 45.0	1.774	2.740	5.1	20.4
12 7	4 1.48	+9 43.9	1.740	2.694	6.5	21.6	12 7	4 3.43	+6 3.2	1.805	2.749	7.3	20.5
12 17	3 52.71	+9 15.7	1.796	2.699	10.2	21.8	12 17	3 56.42	+5 38.4	1.864	2.758	10.4	20.7
12 27	3 46.08	+9 2.8	1.877	2.704	13.6	22.0	12 27	3 51.29	+5 31.4	1.946	2.767	13.4	20.9
448762	2011 <i>QJ</i> ₈₅		11 26.9 112°57'	1°5'/27.6	18		130376	2000 <i>GJ</i> ₁₇₈		11 26.9 216°08'	1°4'/26.3	18	
10 18	4 43.09	+26 24.5	1.940	2.709	15.9	22.4	10 18	4 37.57	+16 44.8	2.675	3.445	11.9	20.4
10 28	4 38.49	+26 22.5	1.862	2.720	12.8	22.2	10 28	4 33.37	+16 35.0	2.579	3.441	9.5	20.3
11 7	4 31.21	+26 11.8	1.805	2.732	9.1	22.0	11 7	4 27.32	+16 23.8	2.506	3.437	6.6	20.1
11 17	4 21.88	+25 51.4	1.772	2.742	5.0	21.8	11 17	4 19.85	+16 12.0	2.460	3.433	3.5	19.9
11 27	4 11.55	+25 21.9	1.768	2.753	1.5	21.5	11 27	4 11.61	+16 1.2	2.444	3.428	1.5	19.7
12 7	4 1.44	+24 46.1	1.793	2.764	4.4	21.8	12 7	4 3.40	+15 52.8	2.459	3.423	4.0	19.9
12 17	3 52.70	+24 8.1	1.847	2.774	8.4	22.0	12 17	3 55.96	+15 48.6	2.503	3.418	7.1	20.1
12 27	3 46.20	+23 32.7	1.927	2.783	12.0	22.3	12 27	3 49.96	+15 50.0	2.574	3.413	9.9	20.3
263779	2008 <i>LB</i> ₃		11 26.9 100°59'	2°8'/28.6	18		432236	2009 <i>NO</i> ₁		11 26.9 62°74'	2°7'/27.9	18	
10 18	4 40.44	+31 39.1	2.350	3.098	14.0	20.8	10 18	4 48.09	+28 31.3	1.322	2.109	21.1	21.0
10 28	4 36.03	+31 35.8	2.265	3.107	11.4	20.6	10 28	4 43.42	+28 36.6	1.271	2.137	17.0	20.8
11 7	4 29.30	+31 21.6	2.202	3.115	8.4	20.5	11 7	4 35.02	+28 28.5	1.237	2.166	12.1	20.6
11 17	4 20.85	+30 55.1	2.164	3.124	5.2	20.3	11 17	4 23.87	+28 4.9	1.225	2.194	6.9	20.4
11 27	4 11.55	+30 16.6	2.155	3.133	2.9	20.1	11 27	4 11.59	+27 26.5	1.239	2.223	2.8	20.2
12 7	4 2.45	+29 28.6	2.175	3.141	4.2	20.3	12 7	4 0.02	+26 37.9	1.281	2.251	5.7	20.5
12 17	3 54.51	+28 35.1	2.225	3.150	7.3	20.5	12 17	3 50.67	+25 46.2	1.348	2.279	10.4	20.8
12 27	3 48.48	+27 41.2	2.302	3.158	10.3	20.7	12 27	3 44.54	+24 58.9	1.439	2.307	14.6	21.1
229844	2009 <i>ST</i> ₂₀₄		11 26.9 282°94'	0°6'/26.7	18		32378	2000 <i>QB</i> ₁₇₃		11 26.9 226°00'	1°5'/27.7	18	R
10 18	4 40.92	+21 26.7	1.555	2.351	18.0	21.7	10 18	4 40.13	+27 22.3	2.185	2.949	14.5	19.5
10 28	4 37.72	+21 9.6	1.461	2.338	14.5	21.4	10 28	4 36.02	+27 9.6	2.090	2.945	11.7	19.3
11 7	4 31.31	+20 45.1	1.386	2.324	10.2	21.1	11 7	4 29.47	+26 47.3	2.016	2.941	8.3	19.0
11 17	4 22.21	+20 13.7	1.334	2.310	5.3	20.8	11 17	4 21.04	+26 15.0	1.968	2.937	4.6	18.8
11 27	4 11.55	+19 37.3	1.309	2.296	0.6	20.4	11 27	4 11.61	+25 33.4	1.948	2.933	1.5	18.6
12 7	4 0.81	+18 59.9	1.312	2.282	5.6	20.7	12 7	4 2.27	+24 45.5	1.959	2.929	4.1	18.8
12 17	3 51.46	+18 26.3	1.340	2.268	10.8	21.0	12 17	3 54.04	+23 55.4	1.998	2.924	7.9	19.0
12 27	3 44.74	+18 1.6	1.393	2.254	15.4	21.2	12 27	3 47.78	+23 8.1	2.064	2.920	11.3	19.2
326627	2002 <i>RW</i> ₂₄₂		11 26.9 129°05'	3°3'/29.0	18		389085	2008 <i>WC</i> ₁₃₈		11 26.9 36°02'	4°4'/25.8	18	
10 18	4 41.29	+34 9.4	2.891	3.616	12.1	22.0	10 18	4 40.48	+11 35.6	1.444	2.250	18.7	19.7
10 28	4 36.28	+34 21.4	2.806	3.629	10.0	21.9	10 28	4 37.03	+11 15.3	1.379	2.260	15.0	19.5
11 7	4 29.27	+34 23.6	2.742	3.642	7.5	21.7	11 7	4 30.52	+10 58.1	1.333	2.269	10.7	19.3
11 17	4 20.78	+34 14.3	2.705	3.654	5.1	21.6	11 17	4 21.65	+10 47.0	1.310	2.280	6.4	19.1
11 27	4 11.57	+33 53.0	2.697	3.666	3.4	21.5	11 27	4 11.61	+10 45.4	1.313	2.290	4.4	19.0
12 7	4 2.51	+33 21.0	2.720	3.678	4.2	21.6	12 7	4 1.82	+10 55.5	1.342	2.302	7.3	19.2
12 17	3 54.42	+32 41.2	2.773	3.689	6.4	21.7	12 17	3 53.59	+11 18.3	1.397	2.313	11.5	19.5
12 27	3 47.99	+31 57.8	2.853	3.700	8.8	21.9	12 27	3 47.91	+11 53.4	1.475	2.326	15.3	19.7
108891	2001 <i>PH</i> ₂		11 26.9 121°37'	4°1'/25.5	18		88740	2001 <i>SY</i> ₄₄		11 26.9 118°23'	0°8'/26.7	18	
10 18	4 42.79	+12 35.2	1.707	2.496	16.9	19.9	10 18	4 44.88	+19 56.9	1.816	2.594	16.5	20.5
10 28	4 38.34	+11 59.1	1.635	2.506	13.5	19.7	10 28	4 39.92	+19 47.0	1.743	2.609	13.1	20.3
11 7	4 31.15	+11 23.5	1.583	2.515	9.7	19.5	11 7	4 32.20	+19 32.7	1.691	2.624	9.1	20.0
11 17	4 21.87	+10 51.6	1.556	2.525	5.8	19.3	11 17	4 22.41	+19 14.5	1.664	2.638	4.6	19.8
11 27	4 11.56	+10 27.1	1.557	2.533	4.1	19.3	11 27	4 11.61	+18 54.2	1.666	2.652	0.8	19.6
12 7	4 1.48	+10 13.4	1.586	2.542	6.8	19.4	12 7	4 1.08	+18 34.2	1.697	2.665	4.9	19.9
12 17	3 52.79	+10 12.4	1.642	2.550	10.6	19.7	12 17	3 51.96	+18 17.8	1.756	2.678	9.1	20.2
12 27	3 46.38	+10 24.9	1.722	2.558	14.2	19.9	12 27	3 45.17	+18 8.0	1.841	2.690	12.8	20.4
9894	1996 <i>BS</i> ₁		11 26.9 94°57'	1°5'/27.4	18		7991	Kaguyahime		11 26.9 58°24'	0°8'/26.6	18	
10 18	4 44.82	+24 30.9	1.600	2.383	18.2	17.6	10 18	4 38.87	+19 44.9	2.091	2.872	14.5	17.3
10 28	4 40.51	+24 47.1	1.525	2.392	14.6	17.4	10 28	4 34.76	+19 31.8	2.021	2.890	11.5	17.1
11 7	4 32.99	+24 56.2	1.470	2.402	10.3	17.2	11 7	4 28.41	+19 14.9	1.974	2.908	7.9	17.0
11 17	4 22.93	+24 56.4	1.439	2.411	5.6	17.0	11 17	4 20.40	+18 55.1	1.952	2.926	4.0	16.8
11 27	4 11.56	+24 47.4	1.435	2.421	1.5	16.7	11 27	4 11.62	+18 34.2	1.959	2.945	0.9	16.5
12 7	4 0.41	+24 31.2	1.459	2.430	5.1	17.0	12 7	4 3.08	+18 14.5	1.995	2.963	4.3	16.8
12 17	3 50.87	+24 11.7	1.510	2.439	9.7	17.3	12 17	3 55.68	+17 58.6	2.060	2.982	7.9	17.1
12 27	3 44.03	+23 53.8	1.586	2.448	13.8	17.5	12 27	3 50.17	+17 48.8	2.150	3.001	11.2	17.3
364211	2006 <i>QO</i> ₁₆₂		11 26.9 169°10'	7°1'/23.7	18		486625	2013 <i>LX</i> ₂₀		11 26.9 122°78'	0°7'/27.3	18	
10 18	4 39.23	+1 57.1	2.220	2.988	14.2	21.2	10 18	4 41.42	+22 54.3	2.503	3.263	12.9	20.8
10 28	4 34.85	+0 56.3	2.144	2.991	11.8	21.1	10 28	4 36.54	+23 9.8	2.419	3.274	10.3	20.7
11 7	4 28.40	+0 1.8	2.090	2.994	9.3	20.9	11 7	4 29.56	+23 21.2	2.359	3.285	7.2	20.5
11 17	4 20.38	-0 41.4	2.062	2.996	7.5	20.8	11 17	4 21.00	+23 27.8	2.325	3.296	3.8	20.3
11 27	4 11.58	-1 8.8	2.061	2.998	7.2	20.8	11 27	4 11.62	+23 29.6	2.321	3.307	0.7	20.0
12 7	4 2.90	-1 17.5	2.088	2.999	8.6	20.9	12 7	4 2.35	+23 27.5	2.347	3.317	3.6	20.3
12 17	3 55.19	-1 6.9	2.141	3.000	10.9	21.0	12 17	3 54.04	+23 23.4	2.404	3.327	6.9	20.5
12 27	3 49.17	-0 37.9	2.219	3.000	13.3	21.2	12 27	3 47.43	+23 19.8	2.488	3.336	9.9	20.7
267028	1996 <i>RF</i> ₁₉		11 26.9 133°25'	2°1'/25.8	18		2319	Aristides		11 26.9 34°29'			

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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
333709	2008 YD ₁₂₂		11 26.9 101°77	1°4/27.9	17		51267	2000 JE ₇₂		11 26.9 204°89	3°4/25.2	17	
10 18	4 37.43	+27 51.1	2.766	3.519	12.0	20.9	10 18	4 36.13	+11 28.2	2.506	3.284	12.5	19.8
10 28	4 33.23	+27 39.6	2.679	3.528	9.6	20.7	10 28	4 32.29	+10 53.6	2.419	3.283	10.0	19.6
11 7	4 27.17	+27 20.3	2.614	3.536	6.9	20.5	11 7	4 26.60	+10 19.6	2.355	3.283	7.2	19.5
11 17	4 19.74	+26 53.0	2.577	3.544	3.9	20.4	11 17	4 19.51	+9 48.7	2.318	3.282	4.5	19.3
11 27	4 11.65	+26 18.5	2.569	3.552	1.4	20.2	11 27	4 11.70	+9 23.8	2.309	3.282	3.5	19.2
12 7	4 3.69	+25 39.1	2.591	3.561	3.3	20.4	12 7	4 3.96	+9 7.2	2.331	3.281	5.4	19.4
12 17	3 56.63	+24 57.6	2.644	3.568	6.3	20.6	12 17	3 57.04	+9 0.6	2.380	3.280	8.2	19.5
12 27	3 51.08	+24 17.6	2.724	3.576	9.0	20.8	12 27	3 51.60	+9 4.9	2.456	3.279	10.9	19.7
458139	2010 HF ₂₇		11 26.9 336°95	5°6/28.0	16		25437	1999 WP ₄		11 26.9 233°83	2°8/26.2	18	
10 18	4 41.03	+30 52.3	1.790	2.559	17.0	20.2	10 18	4 43.46	+14 36.7	1.607	2.400	17.7	18.0
10 28	4 37.98	+32 13.1	1.690	2.542	14.2	20.0	10 28	4 39.42	+14 29.6	1.522	2.396	14.2	17.7
11 7	4 31.71	+33 28.8	1.611	2.525	10.9	19.7	11 7	4 32.30	+14 23.0	1.456	2.392	10.1	17.5
11 17	4 22.59	+34 33.9	1.556	2.510	7.6	19.5	11 17	4 22.70	+14 18.5	1.415	2.387	5.5	17.2
11 27	4 11.63	+35 23.1	1.527	2.495	5.6	19.4	11 27	4 11.69	+14 18.2	1.400	2.383	2.8	17.0
12 7	4 0.28	+35 53.7	1.525	2.481	7.0	19.4	12 7	4 0.69	+14 24.2	1.414	2.378	6.3	17.2
12 17	3 50.12	+36 6.6	1.550	2.469	10.3	19.6	12 17	3 51.06	+14 38.1	1.454	2.374	10.8	17.5
12 27	3 42.54	+36 6.6	1.599	2.457	13.9	19.8	12 27	3 43.93	+15 1.4	1.518	2.369	15.0	17.7
98725	2000 YP ₁₄		11 26.9 1°35	2°4/27.8	18		101328	1998 SJ ₁₆₂		11 26.9 10°65	4°3/25.5	18	
10 18	4 40.43	+26 45.9	1.514	2.306	18.6	19.2	10 18	4 25.18	+18 40.9	0.740	1.619	24.8	17.9
10 28	4 37.44	+27 1.5	1.433	2.305	15.1	18.9	10 28	4 27.10	+17 32.1	0.699	1.624	19.7	17.7
11 7	4 31.12	+27 7.6	1.372	2.304	10.9	18.7	11 7	4 24.73	+16 13.5	0.673	1.632	13.7	17.4
11 17	4 22.12	+27 2.0	1.334	2.304	6.2	18.4	11 17	4 19.01	+14 53.2	0.665	1.645	7.4	17.1
11 27	4 11.64	+26 44.3	1.321	2.305	2.4	18.2	11 27	4 11.73	+13 42.0	0.677	1.660	4.4	17.0
12 7	4 1.26	+26 16.8	1.335	2.306	5.4	18.4	12 7	4 4.98	+12 49.3	0.708	1.678	9.0	17.4
12 17	3 52.46	+25 44.2	1.375	2.307	10.1	18.7	12 17	4 0.47	+12 21.0	0.759	1.700	14.6	17.8
12 27	3 46.44	+25 12.7	1.439	2.310	14.4	18.9	12 27	3 59.31	+12 18.1	0.828	1.723	19.6	18.2
383581	2007 FS ₂₂		11 26.9 271°63	0°4/26.8	18		93486	2000 TE ₂₅		11 26.9 164°20	1°9/27.6	18	
10 18	4 41.96	+20 54.3	1.671	2.461	17.2	21.6	10 18	4 45.08	+25 36.6	1.969	2.734	15.8	19.9
10 28	4 38.36	+20 50.1	1.574	2.447	13.9	21.3	10 28	4 40.26	+25 58.9	1.882	2.738	12.8	19.7
11 7	4 31.68	+20 40.8	1.496	2.432	9.8	21.0	11 7	4 32.64	+26 14.9	1.816	2.741	9.1	19.5
11 17	4 22.43	+20 26.2	1.443	2.418	5.1	20.7	11 17	4 22.80	+26 22.5	1.775	2.744	5.1	19.3
11 27	4 11.65	+20 7.4	1.417	2.403	0.4	20.3	11 27	4 11.74	+26 20.8	1.762	2.746	1.9	19.1
12 7	4 0.74	+19 47.0	1.418	2.388	5.3	20.7	12 7	4 0.73	+26 10.9	1.779	2.748	4.6	19.2
12 17	3 51.12	+19 28.7	1.447	2.374	10.2	20.9	12 17	3 51.01	+25 55.7	1.825	2.750	8.6	19.5
12 27	3 43.98	+19 16.5	1.500	2.359	14.6	21.2	12 27	3 43.57	+25 39.6	1.896	2.751	12.2	19.7
177444	2004 CD ₁₀₅		11 26.9 180°97	2°9/25.5	18		354481	2004 ET ₁₂		11 26.9 203°71	3°7/28.7	18	
10 18	4 39.47	+12 47.9	2.624	3.392	12.2	20.9	10 18	4 43.83	+32 27.8	2.414	3.151	14.0	21.6
10 28	4 34.79	+12 16.7	2.534	3.393	9.7	20.7	10 28	4 38.97	+32 54.8	2.314	3.147	11.5	21.4
11 7	4 28.26	+11 45.3	2.467	3.394	6.9	20.5	11 7	4 31.60	+33 12.5	2.237	3.142	8.7	21.2
11 17	4 20.32	+11 15.8	2.427	3.394	4.2	20.4	11 17	4 22.23	+33 18.0	2.184	3.138	5.7	21.0
11 27	4 11.67	+10 50.7	2.418	3.393	3.0	20.3	11 27	4 11.74	+33 9.9	2.161	3.132	3.8	20.9
12 7	4 3.08	+10 32.2	2.439	3.392	5.0	20.4	12 7	4 1.24	+32 48.6	2.167	3.127	4.9	21.0
12 17	3 55.32	+10 22.2	2.490	3.390	7.8	20.6	12 17	3 51.80	+32 17.3	2.202	3.121	7.7	21.1
12 27	3 49.05	+10 21.7	2.567	3.388	10.5	20.8	12 27	3 44.35	+31 40.7	2.265	3.114	10.7	21.3
413011	2000 FY ₇		11 26.9 327°43	6°1/29.5	17		137481	1999 UJ ₃₀		11 26.9 250°93	3°9/27.9	18	
10 18	4 43.52	+38 4.5	2.370	3.091	14.6	20.7	10 18	4 46.69	+28 9.7	1.596	2.370	18.6	20.7
10 28	4 39.06	+39 3.1	2.277	3.089	12.4	20.6	10 28	4 42.65	+29 0.4	1.504	2.362	15.3	20.5
11 7	4 31.86	+39 50.9	2.205	3.087	9.9	20.4	11 7	4 35.03	+29 44.3	1.432	2.354	11.3	20.2
11 17	4 22.41	+40 23.3	2.157	3.086	7.6	20.3	11 17	4 24.32	+30 16.9	1.382	2.347	7.0	20.0
11 27	4 11.66	+40 36.9	2.137	3.084	6.1	20.2	11 27	4 11.73	+30 34.4	1.360	2.338	4.0	19.8
12 7	4 0.83	+40 31.2	2.144	3.083	6.7	20.2	12 7	3 58.96	+30 35.9	1.364	2.330	6.2	19.9
12 17	3 51.15	+40 8.7	2.179	3.082	8.7	20.3	12 17	3 47.71	+30 24.5	1.396	2.322	10.6	20.1
12 27	3 43.66	+39 34.6	2.240	3.080	11.2	20.5	12 27	3 39.42	+30 6.5	1.451	2.313	14.8	20.4
514948	2008 YG ₄₃		11 26.9 86°87	0°8/27.3	18		336571	2009 SB ₁₂₅		11 26.9 281°88	2°5/25.9	18	
10 18	4 42.61	+25 18.1	1.733	2.513	17.1	20.9	10 18	4 40.19	+19 11.7	1.535	2.336	18.0	20.9
10 28	4 38.38	+25 0.3	1.660	2.526	13.7	20.7	10 28	4 37.03	+18 19.9	1.445	2.325	14.5	20.6
11 7	4 31.28	+24 32.8	1.606	2.538	9.6	20.5	11 7	4 30.76	+17 19.7	1.375	2.315	10.2	20.4
11 17	4 21.99	+23 55.7	1.577	2.550	5.0	20.2	11 17	4 21.96	+16 13.6	1.329	2.304	5.4	20.1
11 27	4 11.67	+23 10.7	1.576	2.563	0.8	20.0	11 27	4 11.74	+15 6.6	1.310	2.294	2.6	19.9
12 7	4 1.64	+22 21.9	1.604	2.575	4.7	20.3	12 7	4 1.56	+14 4.9	1.318	2.283	6.5	20.1
12 17	3 53.13	+21 34.4	1.659	2.587	9.1	20.6	12 17	3 52.80	+13 14.7	1.352	2.272	11.4	20.3
12 27	3 47.03	+20 53.2	1.739	2.598	12.9	20.8	12 27	3 46.58	+12 40.5	1.409	2.262	15.8	20.6
419035	2009 QV ₆₃		11 26.9 50°52	5°5/24.6	18		220784	2004 TC ₁₆₈		11 26.9 18°68	4°2/25.3	18	
10 18	4 37.06	+ 7 40.4	2.011	2.798	14.8	21.1	10 18	4 36.58	+11 58.1	1.852	2.648	15.5	19.9
10 28	4 33.37	+ 6 48.7	1.941	2.807	12.0	20.9	10 28	4 33.32	+11 17.0	1.777	2.652	12.4	19.7
11 7	4 27.49	+ 6 0.4	1.893	2.816	8.9	20.7	11 7	4 27.66	+10 36.5	1.723	2.656	8.9	19.5
11 17	4 19.99	+ 5 19.8	1.870	2.826	6.3	20.6	11 17	4 20.17	+10 0.0	1.694	2.661	5.6	19.3
11 27	4 11.69	+ 4 51.0	1.874	2.835	5.6	20.6	11 27	4 11.76	+ 9 31.5	1.692	2.666	4.3	19.3
12 7	4 3.57	+ 4 37.1	1.907	2.845	7.4	20.7	12 7	4 3.50	+ 9 14.3	1.718	2.672	6.6	19.4
12 17	3 56.53	+ 4 39.4	1.966	2.854	10.2	20.9	12 17	3 56.38	+ 9 10.3	1.771	2.678	10.1	19.6
12 27	3 51.28	+ 4 57.4	2.049	2.864	13.0	21.1	12 27	3 51.22	+ 9 20.3	1.848	2.685	13.3	19.9
213886	2003 SM ₂₇₁		11 26.9 50°50	2°4/26.5	18		456171	2006 HQ ₁₁		11 26.9 229°31	0°0/26.9	18	
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2020	α_{2000}	δ_{2000}	Δ	r	β	V	2020	α_{2000}	δ_{2000}	Δ	r	β	V
254909	2005 <i>SL</i> ₉₁		11 26.9 79°82	0°1/26.9	18		228820	2003 <i>BJ</i> ₅₅		11 26.9 228°33	0°4/26.8	18	
10 18	4 39.74	+22 4.6	2.050	2.828	14.9	21.0	10 18	4 43.69	+20 36.2	1.974	2.748	15.5	21.6
10 28	4 35.70	+21 52.7	1.969	2.835	11.8	20.9	10 28	4 39.18	+20 32.2	1.874	2.738	12.4	21.4
11 7	4 29.25	+21 35.2	1.909	2.842	8.2	20.6	11 7	4 31.95	+20 23.7	1.796	2.727	8.7	21.1
11 17	4 20.97	+21 12.4	1.876	2.850	4.2	20.4	11 17	4 22.51	+20 10.8	1.742	2.716	4.5	20.9
11 27	4 11.77	+20 45.7	1.870	2.857	0.1	20.1	11 27	4 11.80	+19 54.4	1.718	2.704	0.4	20.5
12 7	4 2.73	+20 17.9	1.894	2.864	4.2	20.5	12 7	4 1.02	+19 36.6	1.723	2.692	4.7	20.8
12 17	3 54.84	+19 52.2	1.947	2.871	8.2	20.7	12 17	3 51.36	+19 20.5	1.756	2.679	9.1	21.1
12 27	3 48.93	+19 31.7	2.025	2.879	11.6	20.9	12 27	3 43.84	+19 9.4	1.816	2.665	12.9	21.3
421685	2014 <i>OG</i> ₃₉₀		11 26.9 37°42	1°8/26.5	18		413170	2002 <i>QN</i> ₈₂		11 26.9 47°97	3°5/28.5	17	
10 18	4 40.44	+15 32.9	1.778	2.570	16.3	20.6	10 18	4 40.79	+31 0.2	2.264	3.016	14.4	21.3
10 28	4 36.47	+15 42.9	1.710	2.584	12.9	20.4	10 28	4 36.61	+31 31.4	2.179	3.021	11.8	21.1
11 7	4 29.89	+15 53.5	1.663	2.599	9.0	20.2	11 7	4 29.97	+31 53.9	2.114	3.027	8.8	20.9
11 17	4 21.32	+16 5.3	1.641	2.615	4.7	20.0	11 17	4 21.40	+32 5.1	2.075	3.033	5.6	20.7
11 27	4 11.77	+16 19.2	1.647	2.631	1.8	19.8	11 27	4 11.80	+32 3.6	2.065	3.039	3.5	20.6
12 7	4 2.44	+16 36.2	1.681	2.648	5.1	20.1	12 7	4 2.28	+31 50.4	2.083	3.045	4.8	20.7
12 17	3 54.41	+16 57.2	1.742	2.665	9.1	20.3	12 17	3 53.87	+31 28.1	2.129	3.052	7.7	20.9
12 27	3 48.55	+17 23.2	1.829	2.683	12.7	20.6	12 27	3 47.45	+31 1.3	2.203	3.058	10.7	21.1
260012	2004 <i>FN</i> ₁₃₉		11 26.9 294°60	14°4/ 1.0	17		166470	2002 <i>PW</i> ₁₀₈		11 26.9 82°80	1°2/27.5	18	
10 18	4 56.60	+55 29.7	2.019	2.651	19.2	20.6	10 18	4 44.61	+24 25.8	1.852	2.624	16.4	20.8
10 28	4 52.85	+57 38.4	1.923	2.632	17.8	20.4	10 28	4 39.76	+24 39.0	1.784	2.645	13.1	20.6
11 7	4 43.88	+59 31.5	1.844	2.612	16.4	20.3	11 7	4 32.16	+24 45.5	1.737	2.666	9.2	20.4
11 17	4 29.72	+60 57.5	1.783	2.593	15.2	20.2	11 17	4 22.48	+24 44.3	1.715	2.686	4.9	20.2
11 27	4 11.74	+61 44.9	1.743	2.574	14.5	20.1	11 27	4 11.81	+24 35.2	1.721	2.706	1.3	20.0
12 7	3 52.68	+61 47.2	1.725	2.554	14.5	20.0	12 7	4 1.44	+24 20.3	1.756	2.726	4.5	20.3
12 17	3 35.76	+61 6.2	1.728	2.535	15.4	20.1	12 17	3 52.52	+24 2.8	1.819	2.746	8.5	20.6
12 27	3 23.61	+59 51.7	1.750	2.516	16.9	20.1	12 27	3 45.93	+23 46.8	1.908	2.765	12.1	20.8
309501	2007 <i>VN</i> ₃₁₀		11 26.9 190°94	2°1/26.3	18		440772	2006 <i>HY</i> ₃₇		11 26.9 132°17	0°6/26.8	18	
10 18	4 42.43	+14 28.0	2.257	3.028	13.9	21.4	10 18	4 43.28	+19 6.9	1.886	2.666	15.9	21.3
10 28	4 37.60	+14 27.8	2.165	3.027	11.1	21.2	10 28	4 38.78	+19 15.1	1.804	2.671	12.7	21.1
11 7	4 30.50	+14 28.2	2.095	3.025	7.8	21.0	11 7	4 31.57	+19 21.0	1.742	2.676	8.9	20.8
11 17	4 21.62	+14 30.2	2.052	3.023	4.3	20.7	11 17	4 22.26	+19 24.4	1.706	2.680	4.5	20.6
11 27	4 11.78	+14 35.0	2.039	3.021	2.1	20.6	11 27	4 11.82	+19 25.9	1.699	2.685	0.6	20.3
12 7	4 1.95	+14 43.8	2.055	3.018	4.8	20.8	12 7	4 1.47	+19 26.9	1.720	2.689	4.7	20.6
12 17	3 53.09	+14 57.7	2.102	3.015	8.3	21.0	12 17	3 52.37	+19 29.4	1.770	2.694	8.9	20.9
12 27	3 46.02	+15 17.9	2.174	3.012	11.6	21.2	12 27	3 45.47	+19 36.0	1.845	2.698	12.6	21.1
191894	2005 <i>AN</i> ₂₀		11 26.9 329°24	4°1/25.3	17		405780	2006 <i>AZ</i> ₃₄		11 26.9 47°02	4°9/29.6	14 C	
10 18	4 37.25	+ 9 26.2	2.233	3.015	13.7	20.1	10 18	4 41.78	+36 9.3	1.951	2.697	16.6	21.1
10 28	4 33.46	+ 9 1.4	2.147	3.012	11.0	19.9	10 28	4 37.80	+36 21.2	1.876	2.710	13.8	20.9
11 7	4 27.59	+ 8 39.4	2.083	3.009	8.1	19.8	11 7	4 30.94	+36 18.0	1.820	2.723	10.5	20.7
11 17	4 20.11	+ 8 22.8	2.045	3.007	5.2	19.6	11 17	4 21.90	+35 56.7	1.788	2.736	7.3	20.6
11 27	4 11.78	+ 8 14.5	2.034	3.004	4.2	19.5	11 27	4 11.81	+35 16.7	1.782	2.749	5.0	20.5
12 7	4 3.50	+ 8 16.5	2.053	3.002	6.1	19.6	12 7	4 2.03	+34 20.6	1.804	2.763	5.8	20.6
12 17	3 56.12	+ 8 29.8	2.100	3.000	9.1	19.8	12 17	3 53.75	+33 14.0	1.854	2.777	8.7	20.8
12 27	3 50.40	+ 8 54.7	2.172	2.998	12.0	20.0	12 27	3 47.88	+32 4.1	1.930	2.791	11.8	21.0
303530	2005 <i>EW</i> ₂₅₇		11 26.9 202°03	0°3/27.1	18		53338	1999 <i>JY</i> ₄₆		11 26.9 81°80	0°9/26.6	18	
10 18	4 41.36	+23 10.1	2.108	2.879	14.7	21.5	10 18	4 39.51	+19 58.9	2.028	2.810	14.9	18.8
10 28	4 37.05	+23 0.2	2.015	2.877	11.8	21.3	10 28	4 35.53	+19 41.1	1.947	2.815	11.8	18.6
11 7	4 30.27	+22 44.0	1.944	2.874	8.3	21.1	11 7	4 29.15	+19 18.8	1.887	2.821	8.2	18.4
11 17	4 21.54	+22 21.2	1.898	2.871	4.3	20.9	11 17	4 20.94	+18 52.8	1.853	2.827	4.2	18.2
11 27	4 11.78	+21 53.0	1.881	2.868	0.3	20.5	11 27	4 11.82	+18 25.4	1.847	2.833	0.9	17.9
12 7	4 2.08	+21 22.0	1.894	2.864	4.2	20.9	12 7	4 2.84	+17 59.1	1.871	2.839	4.5	18.2
12 17	3 53.49	+20 51.5	1.936	2.860	8.2	21.1	12 17	3 55.00	+17 37.0	1.923	2.845	8.4	18.5
12 27	3 46.88	+20 25.3	2.004	2.856	11.8	21.3	12 27	3 49.12	+17 22.0	2.000	2.851	11.9	18.7
266531	2008 <i>FT</i> ₄₄		11 26.9 105°86	3°7/25.6	18		131303	2001 <i>FV</i> ₁₄₄		11 26.9 131°06	7°2/24.4	18	
10 18	4 45.24	+13 48.9	1.725	2.509	17.0	20.9	10 18	4 41.36	+ 0 47.7	2.149	2.912	14.7	19.9
10 28	4 40.11	+13 7.1	1.662	2.531	13.5	20.7	10 28	4 36.58	+ 0 3.7	2.080	2.923	12.2	19.8
11 7	4 32.28	+12 24.7	1.620	2.552	9.5	20.5	11 7	4 29.65	- 0 31.9	2.032	2.933	9.7	19.6
11 17	4 22.47	+11 44.8	1.604	2.573	5.6	20.3	11 17	4 21.12	- 0 54.4	2.010	2.943	7.7	19.5
11 27	4 11.79	+11 11.5	1.615	2.593	3.8	20.3	11 27	4 11.82	- 1 0.3	2.015	2.952	7.2	19.5
12 7	4 1.49	+10 48.0	1.656	2.612	6.5	20.5	12 7	4 2.71	- 0 47.4	2.048	2.961	8.6	19.6
12 17	3 52.67	+10 37.0	1.723	2.631	10.2	20.7	12 17	3 54.66	- 0 16.2	2.107	2.970	10.9	19.8
12 27	3 46.17	+10 39.3	1.816	2.649	13.7	21.0	12 27	3 48.38	+ 0 31.5	2.191	2.978	13.3	19.9
281895	2011 <i>AC</i> ₄₉		11 26.9 206°15	4°3/29.3	17		433018	2012 <i>RM</i> ₃₂		11 26.9 94°88	1°3/27.5	16	
10 18	4 41.33	+35 41.9	2.525	3.254	13.6	21.1	10 18	4 50.01	+24 42.6	1.895	2.654	16.6	22.3
10 28	4 36.90	+36 1.3	2.429	3.252	11.4	20.9	10 28	4 43.77	+24 55.1	1.834	2.687	13.2	22.1
11 7	4 30.10	+36 9.5	2.354	3.250	8.8	20.7	11 7	4 34.75	+25 0.4	1.794	2.719	9.2	22.0
11 17	4 21.44	+36 3.7	2.304	3.248	6.1	20.5	11 17	4 23.72	+24 57.3	1.781	2.751	4.9	21.8
11 27	4 11.79	+35 42.7	2.282	3.246	4.4	20.4	11 27	4 11.83	+24 45.7	1.796	2.781	1.3	21.6
12 7	4 2.21	+35 7.6	2.289	3.243	5.1	20.5	12 7	4 0.39	+24 27.8	1.842	2.811	4.4	21.9
12 17	3 53.68	+34 21.7	2.325	3.241	7.5	20.6	12 17	3 50.54	+24 7.1	1.917	2.840	8.4	22.2
12 27	3 47.07	+33 30.1	2.388	3.238	10.2	20.8	12 27	3 43.14	+23 47.9	2.018	2.868	11.8	22.4
307474	2002 <i>XD</i> ₁₆		11 26.9 351°95	6°5/30.2	17		493148 </						

EPHEMERIDES

11 26.9

11 27.0

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V	2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
92663	2000 <i>QQ</i> ₄₄		11 26.9 44°63	5°9/25.0	18		69144	2003 <i>FU</i> ₁₁₅		11 27.0 207°34	1°6/27.7	18	
10 18	4 40.23	+ 9 1.8	1.577	2.376	17.7	19.9	10 28	4 39.42	+26 17.3	1.876	2.732	12.8	20.0
10 28	4 36.65	+ 8 14.3	1.505	2.379	14.3	19.7	11 7	4 32.13	+26 12.1	1.803	2.729	9.1	19.8
11 7	4 30.23	+ 7 29.9	1.453	2.383	10.6	19.5	11 17	4 22.61	+25 57.3	1.754	2.724	5.1	19.5
11 17	4 21.60	+ 6 53.5	1.425	2.387	7.1	19.3	11 27	4 11.87	+25 32.9	1.735	2.719	1.6	19.3
11 27	4 11.85	+ 6 30.1	1.423	2.391	6.0	19.2	12 7	4 1.15	+25 1.0	1.744	2.714	4.5	19.5
12 7	4 2.27	+ 6 23.2	1.447	2.395	8.3	19.4	12 17	3 51.69	+24 25.7	1.782	2.708	8.7	19.7
12 17	3 54.06	+ 6 34.3	1.497	2.399	12.0	19.6	12 27	3 44.48	+23 51.9	1.846	2.702	12.4	19.9
12 27	3 48.20	+ 7 2.9	1.570	2.403	15.5	19.8	1 6	3 40.08	+23 23.8	1.932	2.696	15.6	20.1
97219	1999 <i>XS</i> ₄₉		11 26.9 184°10	0°3/27.1	18		75305	1999 <i>XV</i> ₃₆		11 27.0 42°41	5°4/28.5	18	
10 18	4 42.30	+22 28.8	2.075	2.847	14.9	19.9	10 28	4 42.09	+31 36.7	1.203	2.068	17.8	17.8
10 28	4 37.84	+22 27.8	1.985	2.847	11.9	19.7	11 7	4 34.85	+32 20.2	1.155	2.079	13.3	17.6
11 7	4 30.85	+22 21.6	1.916	2.847	8.4	19.5	11 17	4 24.25	+32 45.8	1.129	2.090	8.6	17.4
11 17	4 21.88	+22 9.6	1.873	2.846	4.3	19.2	11 27	4 11.87	+32 49.6	1.126	2.102	5.5	17.2
11 27	4 11.85	+21 52.7	1.859	2.846	0.3	18.9	12 7	3 59.75	+32 32.5	1.149	2.114	7.3	17.4
12 7	4 1.88	+21 32.9	1.874	2.845	4.3	19.2	12 17	3 49.79	+32 0.3	1.196	2.127	11.5	17.6
12 17	3 53.04	+21 13.1	1.919	2.843	8.3	19.5	12 27	3 43.34	+31 22.1	1.266	2.140	15.8	17.9
12 27	3 46.24	+20 56.8	1.989	2.841	11.8	19.7	1 6	3 40.93	+30 45.8	1.355	2.153	19.4	18.2
206040	2002 <i>QF</i> ₄₄		11 26.9 41°86	9°3/30.6	18		66999	1999 <i>XX</i> ₁₁₅		11 27.0 265°26	1°2/27.7	18	
10 18	4 47.51	+41 53.6	1.664	2.394	19.6	19.4	10 28	4 35.05	+26 43.1	2.168	3.025	11.3	18.9
10 28	4 43.66	+43 14.9	1.593	2.403	16.9	19.2	11 7	4 28.82	+26 16.8	2.094	3.020	8.0	18.7
11 7	4 35.85	+44 19.4	1.540	2.414	14.0	19.0	11 17	4 20.82	+25 40.9	2.046	3.016	4.4	18.4
11 17	4 24.76	+44 59.1	1.508	2.424	11.2	18.9	11 27	4 11.88	+24 56.6	2.026	3.012	1.3	18.2
11 27	4 11.84	+45 7.8	1.500	2.435	9.5	18.8	12 7	4 3.02	+24 7.0	2.037	3.007	3.9	18.4
12 7	3 59.07	+44 45.1	1.518	2.446	9.8	18.9	12 17	3 55.21	+23 15.9	2.076	3.003	7.6	18.6
12 17	3 48.31	+43 56.3	1.560	2.458	11.8	19.0	12 27	3 49.25	+22 28.1	2.142	2.998	11.0	18.8
12 27	3 40.94	+42 51.3	1.625	2.470	14.4	19.2	1 6	3 45.63	+21 47.3	2.231	2.994	13.8	19.0
139904	2001 <i>RV</i> ₁₀₂		11 26.9 111°27	1°8/26.3	18		133693	2003 <i>UC</i> ₂₂₀		11 27.0 357°35	2°4/25.6	18	
10 18	4 40.54	+16 57.1	2.036	2.817	14.8	20.2	10 28	4 32.60	+17 11.3	1.986	2.860	11.4	19.0
10 28	4 36.29	+16 41.7	1.955	2.824	11.8	20.0	11 7	4 27.10	+16 8.3	1.922	2.859	7.9	18.8
11 7	4 29.66	+16 24.2	1.897	2.831	8.2	19.8	11 17	4 19.92	+15 2.6	1.884	2.858	4.3	18.5
11 17	4 21.22	+16 6.0	1.864	2.838	4.4	19.6	11 27	4 11.88	+13 58.1	1.875	2.857	2.5	18.4
11 27	4 11.85	+15 49.2	1.860	2.844	1.8	19.4	12 7	4 3.97	+12 59.7	1.895	2.856	5.3	18.6
12 7	4 2.63	+15 35.9	1.886	2.851	4.9	19.7	12 17	3 57.09	+12 11.3	1.943	2.856	8.9	18.8
12 17	3 54.53	+15 28.5	1.939	2.857	8.6	19.9	12 27	3 52.02	+11 36.0	2.016	2.857	12.2	19.0
12 27	3 48.37	+15 28.9	2.019	2.864	12.0	20.1	1 6	3 49.19	+11 14.8	2.110	2.858	15.0	19.2
255143	2005 <i>UV</i> ₁₅₃		11 27.0 126°51	0°5/27.2	18		53104	1999 <i>AP</i> ₃		11 27.0 260°09	6°5/24.1	18	
10 28	4 36.00	+23 2.1	2.121	2.982	11.3	20.7	10 28	4 33.11	- 0 26.1	2.488	3.327	10.6	18.8
11 7	4 29.45	+22 57.8	2.056	2.986	7.9	20.5	11 7	4 27.22	- 0 56.4	2.421	3.318	8.5	18.6
11 17	4 21.12	+22 47.9	2.017	2.990	4.1	20.3	11 17	4 19.93	- 1 15.8	2.379	3.308	6.9	18.5
11 27	4 11.86	+22 33.1	2.007	2.993	0.5	20.0	11 27	4 11.89	- 1 20.7	2.365	3.299	6.6	18.5
12 7	4 2.68	+22 15.2	2.026	2.997	4.0	20.3	12 7	4 3.86	- 1 9.2	2.380	3.289	7.8	18.5
12 17	3 54.57	+21 56.8	2.075	3.000	7.7	20.5	12 17	3 56.58	- 0 41.1	2.421	3.279	9.8	18.6
12 27	3 48.32	+21 41.2	2.150	3.003	11.0	20.7	12 27	3 50.71	+ 0 2.6	2.488	3.269	12.0	18.8
1 6	3 44.43	+21 30.9	2.247	3.007	13.8	20.9	1 6	3 46.69	+ 0 59.3	2.575	3.259	14.0	18.9
53021	1998 <i>VX</i> ₃₆		11 27.0 125°04	1°7/27.7	18		358263	2006 <i>TX</i> ₆₀		11 27.0 222°93	0°6/26.8	18	
10 28	4 41.28	+26 16.4	1.700	2.559	13.8	19.2	10 28	4 36.45	+19 44.7	1.970	2.837	11.8	21.2
11 7	4 33.39	+26 12.7	1.645	2.571	9.8	19.0	11 7	4 29.90	+19 38.0	1.902	2.835	8.2	20.9
11 17	4 23.19	+25 58.7	1.614	2.584	5.4	18.7	11 17	4 21.42	+19 28.2	1.859	2.833	4.2	20.7
11 27	4 11.86	+25 34.7	1.610	2.595	1.7	18.5	11 27	4 11.89	+19 16.3	1.844	2.830	0.6	20.4
12 7	4 0.78	+25 3.1	1.636	2.607	4.7	18.8	12 7	4 2.40	+19 4.4	1.859	2.828	4.4	20.7
12 17	3 51.23	+24 28.6	1.691	2.617	9.0	19.0	12 17	3 53.99	+18 54.8	1.902	2.826	8.4	20.9
12 27	3 44.20	+23 56.2	1.770	2.628	12.8	19.3	12 27	3 47.54	+18 50.2	1.972	2.823	12.0	21.2
1 6	3 40.17	+23 30.3	1.871	2.637	16.0	19.5	1 6	3 43.58	+18 52.5	2.063	2.820	14.9	21.4
515829	2015 <i>MF</i> ₁₃₅		11 27.0 99°67	5°3/24.9	18		428081	2006 <i>JR</i> ₈₀		11 27.0 109°06	3°7/26.0	15	
10 28	4 36.34	+ 6 35.8	1.988	2.848	12.0	21.1	10 28	4 41.88	+12 37.0	1.449	2.321	14.9	21.2
11 7	4 29.49	+ 5 54.8	1.946	2.867	8.9	20.9	11 7	4 33.85	+12 20.9	1.404	2.337	10.6	20.9
11 17	4 21.03	+ 5 21.8	1.930	2.885	6.2	20.8	11 17	4 23.44	+12 8.9	1.382	2.352	6.1	20.7
11 27	4 11.86	+ 5 0.6	1.943	2.903	5.4	20.8	11 27	4 11.90	+12 3.7	1.388	2.368	3.8	20.6
12 7	4 2.95	+ 4 53.4	1.983	2.921	7.2	20.9	12 7	4 0.68	+12 7.7	1.422	2.382	6.8	20.9
12 17	3 55.18	+ 5 1.2	2.051	2.939	9.9	21.1	12 17	3 51.13	+12 22.3	1.482	2.396	11.1	21.1
12 27	3 49.26	+ 5 23.3	2.144	2.956	12.7	21.4	12 27	3 44.22	+12 47.9	1.566	2.410	14.9	21.4
1 6	3 45.60	+ 5 57.9	2.258	2.973	15.0	21.6	1 6	3 40.42	+13 23.6	1.670	2.423	18.1	21.7
176681	2002 <i>PJ</i> ₈₈		11 27.0 159°40	3°9/25.6	18		189872	2003 <i>QY</i> ₂₂		11 27.0 47°66	4°0/29.0	18	
10 28	4 39.09	+12 42.7	1.663	2.533	13.4	20.4	10 28	4 36.69	+33 43.3	2.006	2.847	12.7	19.1
11 7	4 31.80	+12 2.4	1.606	2.538	9.6	20.2	11 7	4 30.11	+33 43.7	1.946	2.856	9.6	19.0
11 17	4 22.37	+11 24.5	1.574	2.543	5.7	20.0	11 17	4 21.50	+33 29.5	1.910	2.865	6.3	18.8
11 27	4 11.86	+10 53.0	1.570	2.547	3.9	19.9	11 27	4 11.89	+32 59.9	1.902	2.874	4.1	18.7
12 7	4 1.52	+10 31.6	1.594	2.550	6.7	20.1	12 7	4 2.48	+32 17.1	1.922	2.884	5.1	18.7
12 17	3 52.53	+10 22.8	1.645	2.553	10.6	20.3	12 17	3 54.37	+31 25.6	1.970	2.894	8.1	18.9
12 27	3 45.82	+10 27.9	1.721	2.556	14.2	20.5	12 27	3 48.44	+30 31.2	2.044	2.904	11.2	19.2
1 6	3 41.88	+10 46.3	1.817	2.558	17.2	20.7	1 6	3 45.16	+29 39.6	2.141	2.914	14.0	19.4
38253	1999 <i>RM</i> ₉												