64769 2001 XO_{178} 7 9.9 7°.37 1°.2/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 41.67	−16 20.2	2.093	2.901	14.3	19.6
6 10	19 38.32	−16 44.3	2.007	2.901	11.4	19.4
6 20	19 32.85	−17 17.5	1.942	2.902	8.1	19.2
6 30	19 25.71	−17 58.4	1.902	2.902	4.4	19.0
7 10	19 17.62	−18 44.2	1.887	2.903	1.2	18.8
7 20	19 9.46	−19 31.7	1.901	2.904	4.0	19.0
7 30	19 2.12	−20 17.9	1.941	2.905	7.7	19.2
8 9	18 56.39	−21 0.7	2.006	2.906	11.1	19.4

254134 2004 PK_{40} 7 9.9 235°.34 8°.2/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 40.22	+ 8 19.7	2.983	3.659	13.1	21.2
6 10	19 36.47	+ 8 50.7	2.881	3.647	11.8	21.0
6 20	19 31.20	+ 9 6.4	2.799	3.635	10.4	20.9
6 30	19 24.77	+ 9 4.0	2.738	3.623	9.1	20.8
7 10	19 17.66	+ 8 42.2	2.700	3.610	8.3	20.7
7 20	19 10.43	+ 8 1.1	2.688	3.597	8.4	20.7
7 30	19 3.70	+ 7 2.6	2.701	3.584	9.2	20.7
8 9	18 58.01	+ 5 50.0	2.738	3.570	10.6	20.8

365109 2009 CT_{12} 7 9.9 20°.97 6°.4/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 38.77	− 7 28.3	1.029	1.873	23.4	19.9
6 10	19 37.73	− 7 24.5	0.973	1.880	19.4	19.7
6 20	19 33.32	− 7 46.1	0.931	1.889	14.8	19.5
6 30	19 26.21	− 8 34.8	0.908	1.898	10.0	19.2
7 10	19 17.65	− 9 47.7	0.904	1.910	6.6	19.1
7 20	19 9.14	−11 18.1	0.923	1.922	7.9	19.2
7 30	19 2.24	−12 56.9	0.962	1.936	12.1	19.5
8 9	18 58.12	−14 35.1	1.022	1.950	16.6	19.8

133584 2003 UD_{63} 7 9.9 263°.50 7°.7/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 49.60	−38 57.6	1.995	2.804	14.9	20.0
6 10	19 45.64	−40 22.8	1.910	2.793	12.4	19.8
6 20	19 38.60	−41 45.2	1.845	2.782	10.0	19.6
6 30	19 28.94	−42 56.9	1.804	2.771	8.1	19.5
7 10	19 17.65	−43 50.3	1.789	2.760	7.8	19.4
7 20	19 6.05	−44 20.6	1.799	2.748	9.3	19.5
7 30	18 55.61	−44 26.5	1.833	2.737	11.8	19.6
8 9	18 47.58	−44 11.1	1.888	2.725	14.5	19.8

431013 2005 YM_{105} 7 9.9 115°.99 0°.5/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 46.24	−19 30.1	1.893	2.705	15.4	21.1
6 10	19 42.21	−20 23.6	1.816	2.714	12.3	20.9
6 20	19 35.71	−21 26.3	1.759	2.722	8.5	20.7
6 30	19 27.24	−22 34.6	1.727	2.731	4.3	20.5
7 10	19 17.66	−23 43.5	1.722	2.739	0.6	20.2
7 20	19 8.01	−24 48.0	1.745	2.747	4.5	20.5
7 30	18 59.38	−25 44.6	1.795	2.754	8.6	20.8
8 9	18 52.69	−26 31.6	1.869	2.762	12.1	21.0

441430 2008 GT_{132} 7 9.9 37°.08 6°.6/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 39.90	− 1 51.8	2.287	3.042	14.7	21.2
6 10	19 36.59	− 1 26.6	2.204	3.045	12.6	21.1
6 20	19 31.46	− 1 16.2	2.140	3.048	10.2	20.9
6 30	19 24.94	− 1 22.3	2.098	3.051	8.0	20.8
7 10	19 17.67	− 1 45.4	2.081	3.055	6.7	20.7
7 20	19 10.35	− 2 24.2	2.091	3.058	7.0	20.7
7 30	19 3.76	− 3 16.2	2.126	3.062	8.8	20.9
8 9	18 58.54	− 4 17.4	2.185	3.066	11.1	21.0

180884 2005 JG_{117} 7 9.9 337°.86 4°.7/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 37.61	−12 35.9	1.178	2.026	20.7	19.7
6 10	19 36.77	−12 15.8	1.098	2.011	17.1	19.4
6 20	19 32.75	−12 11.4	1.034	1.998	12.8	19.1
6 30	19 26.04	−12 24.4	0.989	1.986	8.1	18.8
7 10	19 17.67	−12 54.3	0.965	1.975	4.8	18.6
7 20	19 9.02	−13 38.3	0.964	1.966	7.0	18.7
7 30	19 1.66	−14 31.5	0.984	1.957	11.9	18.9
8 9	18 56.89	−15 28.4	1.023	1.951	16.7	19.2

195114 2002 CU_{139} 7 9.9 124°.67 1°.4/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 47.15	−17 59.1	2.051	2.853	14.8	21.3
6 10	19 42.52	−17 54.0	1.975	2.865	11.8	21.1
6 20	19 35.65	−17 55.1	1.920	2.877	8.3	20.9
6 30	19 27.10	−18 1.2	1.889	2.889	4.5	20.7
7 10	19 17.68	−18 10.6	1.885	2.900	1.4	20.5
7 20	19 8.34	−18 21.7	1.910	2.911	4.1	20.7
7 30	19 0.03	−18 33.2	1.961	2.922	7.8	20.9
8 9	18 53.50	−18 44.1	2.037	2.932	11.2	21.2

505542 2013 YN_{100} 7 9.9 201°.23 2°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 45.25	−14 27.1	2.364	3.152	13.4	22.3
6 10	19 40.87	−14 27.1	2.268	3.148	10.9	22.2
6 20	19 34.49	−14 35.1	2.193	3.143	7.9	21.9
6 30	19 26.54	−14 50.5	2.143	3.138	4.6	21.7
7 10	19 17.69	−15 12.0	2.121	3.132	2.3	21.6
7 20	19 8.73	−15 37.8	2.127	3.126	4.1	21.7
7 30	19 0.50	−16 6.0	2.161	3.119	7.4	21.9
8 9	18 53.76	−16 34.8	2.220	3.111	10.5	22.1

354324 2002 VF_{147} 7 9.9 314°.51 6°.4/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 46.54	−35 54.0	1.729	2.555	16.1	20.2
6 10	19 43.41	−36 38.7	1.638	2.537	13.3	20.0
6 20	19 37.13	−37 20.0	1.566	2.520	10.2	19.7
6 30	19 28.20	−37 51.4	1.517	2.503	7.4	19.5
7 10	19 17.68	−38 6.6	1.493	2.486	6.4	19.4
7 20	19 6.95	−38 1.7	1.493	2.470	8.3	19.5
7 30	18 57.52	−37 36.5	1.517	2.455	11.6	19.7
8 9	18 50.62	−36 54.3	1.563	2.439	15.0	19.8

427402 1998 MU_{15} 7 9.9 52°.76 5°.6/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 45.51	−11 5.7	1.711	2.511	17.3	20.6
6 10	19 41.60	−10 2.2	1.637	2.518	14.3	20.4
6 20	19 35.21	− 9 8.1	1.582	2.526	10.8	20.2
6 30	19 26.93	− 8 26.0	1.551	2.533	7.5	20.0
7 10	19 17.69	− 7 57.3	1.543	2.541	5.7	19.9
7 20	19 8.51	− 7 42.6	1.562	2.549	6.9	20.0
7 30	19 0.48	− 7 40.9	1.606	2.557	10.0	20.2
8 9	18 54.43	− 7 49.8	1.672	2.565	13.3	20.4

368902 2006 SU_{342} 7 10.0 235°.56 3°.2/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 42.66	−14 35.7	1.638	2.529	13.7	21.6
6 20	19 36.17	−14 19.4	1.568	2.523	10.0	21.3
6 30	19 27.54	−14 11.8	1.520	2.516	6.0	21.1
7 10	19 17.69	−14 12.4	1.498	2.509	3.2	20.9
7 20	19 7.70	−14 20.0	1.503	2.502	5.5	21.0
7 30	18 58.77	−14 32.9	1.533	2.494	9.5	21.2
8 9	18 51.87	−14 49.5	1.586	2.487	13.4	21.5
8 19	18 47.64	−15 7.9	1.659	2.479	16.8	21.7

344754 2003 UQ_{371} 7 10.0 345°.75 4°.0/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 38.47	−17 37.1	1.139	2.058	16.2	19.5
6 20	19 33.84	−16 25.9	1.074	2.043	11.8	19.2
6 30	19 26.54	−15 18.7	1.029	2.030	7.0	18.9
7 10	19 17.69	−14 18.0	1.006	2.018	4.0	18.7
7 20	19 8.69	−13 26.4	1.006	2.008	7.0	18.8
7 30	19 1.09	−12 45.9	1.028	1.999	11.9	19.1
8 9	18 56.10	−12 16.6	1.070	1.992	16.6	19.3
8 19	18 54.41	−11 57.3	1.129	1.987	20.6	19.6

177890 2005 QP_{146} 7 10.0 223°.18 0°.2/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 39.18	−19 37.7	2.177	3.072	10.7	20.1
6 20	19 33.42	−20 15.4	2.108	3.070	7.4	19.9
6 30	19 26.02	−20 58.1	2.065	3.067	3.8	19.7
7 10	19 17.70	−21 42.7	2.049	3.065	0.2	19.3
7 20	19 9.26	−22 26.4	2.060	3.063	3.8	19.7
7 30	19 1.59	−23 6.4	2.100	3.061	7.4	19.9
8 9	18 55.47	−23 41.3	2.164	3.058	10.7	20.1
8 19	18 51.41	−24 10.5	2.250	3.056	13.4	20.3

131647 2001 XP_{90} 7 10.0 129°.86 0°.0/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 40.19	−21 36.1	2.390	3.282	9.9	20.3
6 20	19 33.88	−21 45.8	2.331	3.291	6.9	20.1
6 30	19 26.16	−21 57.1	2.297	3.300	3.5	19.9
7 10	19 17.70	−22 8.4	2.292	3.309	0.0	19.6
7 20	19 9.28	−22 18.1	2.315	3.317	3.5	20.0
7 30	19 1.68	−22 25.1	2.366	3.325	6.8	20.2
8 9	18 55.57	−22 29.3	2.442	3.333	9.7	20.4
8 19	18 51.38	−22 30.8	2.541	3.340	12.2	20.6

254240 2004 RF_{142} 7 10.0 322°.88 5°.1/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 36.85	− 6 57.7	2.072	2.939	12.3	20.5
6 20	19 31.80	− 6 49.5	2.000	2.933	9.5	20.3
6 30	19 25.20	− 6 55.0	1.950	2.926	6.8	20.1
7 10	19 17.71	− 7 14.0	1.926	2.920	5.2	20.0
7 20	19 10.12	− 7 45.3	1.928	2.914	6.0	20.0
7 30	19 3.26	− 8 26.7	1.956	2.908	8.5	20.2
8 9	18 57.86	− 9 14.8	2.009	2.903	11.4	20.3
8 19	18 54.42	−10 6.2	2.082	2.897	14.0	20.5

14090 1997 MS_3 7 10.0 321°.84 1°.7/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 38.94	−16 27.6	1.666	2.566	13.0	18.6
6 20	19 33.62	−16 46.8	1.596	2.557	9.3	18.4
6 30	19 26.27	−17 15.1	1.548	2.549	5.2	18.1
7 10	19 17.72	−17 50.0	1.525	2.540	1.8	17.9
7 20	19 8.99	−18 28.6	1.529	2.532	4.7	18.0
7 30	19 1.21	−19 7.7	1.558	2.524	9.0	18.3
8 9	18 55.34	−19 44.8	1.610	2.517	12.9	18.5
8 19	18 52.02	−20 18.3	1.682	2.510	16.3	18.7

111538 2001 YH_{122} 7 10.0 238°.22 4°.6/ 7.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 42.26	−34 26.1	2.260	3.151	10.5	19.4
6 20	19 35.72	−35 20.4	2.194	3.145	7.8	19.2
6 30	19 27.28	−36 8.8	2.152	3.138	5.4	19.1
7 10	19 17.72	−36 46.4	2.137	3.132	4.7	19.0
7 20	19 8.02	−37 10.2	2.150	3.125	6.3	19.1
7 30	18 59.21	−37 18.9	2.189	3.118	9.0	19.3
8 9	18 52.21	−37 13.9	2.251	3.111	11.6	19.4
8 19	18 47.58	−36 57.9	2.334	3.104	14.0	19.6

71512 2000 CL_{51} 7 10.0 172°.84 0°.7/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 42.30	−24 16.5	2.364	3.256	10.0	19.7
6 20	19 35.41	−24 21.9	2.298	3.258	7.0	19.5
6 30	19 26.97	−24 26.9	2.258	3.261	3.6	19.3
7 10	19 17.73	−24 29.5	2.247	3.263	0.7	19.0
7 20	19 8.49	−24 28.3	2.263	3.264	3.7	19.3
7 30	19 0.12	−24 22.9	2.308	3.265	7.1	19.5
8 9	18 53.32	−24 13.7	2.379	3.265	10.1	19.7
8 19	18 48.57	−24 1.5	2.472	3.265	12.7	19.9

198884 2005 SH_{253} 7 10.0 103°.46 5°.5/ 8.8 17

6 10	19 48.40	−32 15.5	1.249	2.158	15.8	20.1
6 20	19 40.78	−33 5.1	1.202	2.165	11.5	19.9
6 30	19 30.08	−33 46.5	1.176	2.172	7.3	19.7
7 10	19 17.73	−34 12.1	1.174	2.179	5.6	19.6
7 20	19 5.48	−34 17.3	1.196	2.186	8.2	19.8
7 30	18 55.15	−34 2.7	1.241	2.192	12.4	20.0
8 9	18 48.02	−33 32.5	1.307	2.198	16.4	20.3
8 19	18 44.66	−32 52.0	1.390	2.205	19.8	20.5

275219 2009 WG_{195} 7 10.0 163°.64 3°.0/11.0 18

6 10	19 41.29	−13 14.7	1.953	2.836	12.2	21.0
6 20	19 34.90	−13 16.9	1.889	2.839	8.9	20.8
6 30	19 26.79	−13 28.4	1.849	2.843	5.4	20.5
7 10	19 17.73	−13 48.0	1.836	2.846	3.0	20.4
7 20	19 8.64	−14 13.7	1.850	2.848	4.8	20.5
7 30	19 0.46	−14 43.4	1.891	2.850	8.2	20.7
8 9	18 53.99	−15 14.9	1.956	2.852	11.5	20.9
8 19	18 49.76	−15 46.2	2.043	2.853	14.4	21.1

195380 2002 GY 7 10.0 112°.83 15°.0/ 5.9 18

6 10	20 8.13	−64 9.9	1.937	2.703	16.7	20.0
6 20	19 55.61	−65 28.1	1.906	2.710	15.7	19.9
6 30	19 37.98	−66 14.9	1.894	2.717	15.1	19.9
7 10	19 17.72	−66 21.0	1.900	2.724	15.1	19.9
7 20	18 58.17	−65 43.9	1.926	2.730	15.6	20.0
7 30	18 42.41	−64 28.3	1.970	2.737	16.5	20.0
8 9	18 32.08	−62 44.1	2.032	2.743	17.6	20.2
8 19	18 27.38	−60 42.1	2.108	2.749	18.7	20.3

395616 2011 UJ_{379} 7 10.0 323°.62 5°.7/ 7.7 18

6 10	19 41.95	−35 31.4	1.905	2.801	11.8	20.5
6 20	19 35.80	−36 34.0	1.842	2.794	9.0	20.3
6 30	19 27.42	−37 29.4	1.803	2.788	6.5	20.1
7 10	19 17.73	−38 11.4	1.790	2.782	5.8	20.0
7 20	19 7.87	−38 36.3	1.803	2.776	7.5	20.1
7 30	18 59.10	−38 42.7	1.840	2.770	10.4	20.3
8 9	18 52.46	−38 32.6	1.900	2.764	13.3	20.5
8 19	18 48.59	−38 9.5	1.979	2.759	15.9	20.6

44286 1998 QK_{83} 7 10.0 101°.39 6°.2/11.9 18

6 10	19 39.99	− 5 29.0	1.915	2.775	13.4	18.2
6 20	19 33.93	− 4 58.4	1.858	2.784	10.6	18.0
6 30	19 26.25	− 4 42.8	1.825	2.794	7.8	17.9
7 10	19 17.73	− 4 42.8	1.816	2.803	6.3	17.8
7 20	19 9.24	− 4 57.7	1.834	2.812	7.0	17.9
7 30	19 1.68	− 5 25.5	1.877	2.820	9.3	18.0
8 9	18 55.79	− 6 2.7	1.944	2.829	12.1	18.2
8 19	18 52.05	− 6 45.6	2.031	2.838	14.6	18.4

507165 2010 BO_{55} 7 10.0 301°.51 1°.9/10.9 18

6 10	19 39.88	−13 38.2	1.698	2.590	13.3	20.1
6 20	19 34.48	−14 40.2	1.608	2.565	9.7	19.8
6 30	19 26.86	−15 58.2	1.542	2.540	5.5	19.5
7 10	19 17.73	−17 28.6	1.501	2.516	1.9	19.2
7 20	19 8.10	−19 5.7	1.488	2.491	4.8	19.4
7 30	18 59.16	−20 43.1	1.501	2.467	9.4	19.6
8 9	18 52.05	−22 15.5	1.539	2.442	13.6	19.8
8 19	18 47.56	−23 39.1	1.597	2.418	17.3	19.9

182061 2000 EU_3 7 10.0 166°.63 1°.2/10.4 17

6 10	19 42.99	−18 9.7	1.787	2.681	12.6	21.2
6 20	19 36.25	−18 23.4	1.724	2.684	8.9	21.0
6 30	19 27.54	−18 43.1	1.686	2.687	4.8	20.8
7 10	19 17.75	−19 6.3	1.674	2.689	1.2	20.5
7 20	19 7.92	−19 30.5	1.689	2.691	4.4	20.8
7 30	18 59.14	−19 53.7	1.730	2.693	8.6	21.0
8 9	18 52.32	−20 14.6	1.796	2.694	12.3	21.3
8 19	18 48.01	−20 32.4	1.882	2.695	15.4	21.5

214519 2006 HU_{26} 7 10.0 323°.81 3°.4/11.2 18

6 10	19 38.19	−13 5.0	1.113	2.026	17.0	19.8
6 20	19 33.90	−13 33.3	1.042	2.008	12.5	19.4
6 30	19 26.76	−14 21.2	0.990	1.990	7.5	19.1
7 10	19 17.75	−15 26.0	0.960	1.974	3.5	18.8
7 20	19 8.26	−16 42.5	0.953	1.958	6.4	18.9
7 30	18 59.95	−18 3.5	0.968	1.943	11.9	19.2
8 9	18 54.29	−19 22.4	1.003	1.929	17.1	19.4
8 19	18 52.16	−20 34.3	1.055	1.916	21.5	19.7

336275 2008 SO_{239} 7 10.0 273°.82 2°.8/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 42.72	−27 51.7	1.726	2.630	12.4	20.8
6 20	19 36.32	−28 27.8	1.659	2.624	8.8	20.6
6 30	19 27.69	−29 2.0	1.616	2.617	5.0	20.4
7 10	19 17.75	−29 29.9	1.599	2.611	2.8	20.2
7 20	19 7.69	−29 47.8	1.609	2.605	5.6	20.4
7 30	18 58.73	−29 54.4	1.644	2.598	9.6	20.6
8 9	18 51.94	−29 50.5	1.701	2.592	13.2	20.8
8 19	18 47.93	−29 38.3	1.779	2.586	16.4	21.0

475717 2006 WG_{10} 7 10.0 216°.27 0°.6/10.3 18

6 10	19 39.14	−19 4.8	2.507	3.395	9.7	22.3
6 20	19 33.24	−19 25.5	2.431	3.389	6.8	22.1
6 30	19 25.91	−19 50.2	2.382	3.383	3.6	21.9
7 10	19 17.76	−20 17.0	2.360	3.376	0.6	21.6
7 20	19 9.50	−20 44.0	2.367	3.369	3.4	21.8
7 30	19 1.91	−21 9.4	2.402	3.362	6.7	22.0
8 9	18 55.65	−21 32.1	2.463	3.354	9.7	22.2
8 19	18 51.21	−21 51.5	2.547	3.346	12.2	22.4

239368 2007 RR_{230} 7 10.0 69°.11 7°.8/ 7.8 18

6 10	19 46.96	−42 8.1	1.861	2.739	12.9	20.0
6 20	19 39.34	−42 58.8	1.808	2.741	10.4	19.8
6 30	19 29.22	−43 34.8	1.779	2.743	8.4	19.7
7 10	19 17.76	−43 50.3	1.774	2.745	7.8	19.7
7 20	19 6.36	−43 42.2	1.795	2.747	9.1	19.8
7 30	18 56.46	−43 11.7	1.839	2.749	11.5	19.9
8 9	18 49.14	−42 23.2	1.905	2.751	14.0	20.1
8 19	18 44.96	−41 22.3	1.991	2.753	16.3	20.3

433587 2013 YL_{41} 7 10.0 182°.48 0°.0/10.0 17

6 10	19 41.99	−20 38.5	2.065	2.958	11.2	21.9
6 20	19 35.42	−21 5.4	1.998	2.959	7.8	21.7
6 30	19 27.09	−21 35.9	1.957	2.959	4.0	21.5
7 10	19 17.76	−22 7.3	1.942	2.959	0.0	21.1
7 20	19 8.36	−22 36.8	1.956	2.958	4.0	21.5
7 30	18 59.84	−23 2.4	1.997	2.957	7.8	21.7
8 9	18 53.04	−23 23.3	2.063	2.956	11.2	21.9
8 19	18 48.48	−23 39.3	2.151	2.953	14.1	22.1

389140 2009 AE_{46} 7 10.0 289°.85 1°.8/10.6 18

6 10	19 39.56	−16 26.0	1.846	2.741	12.2	20.9
6 20	19 33.92	−16 35.6	1.771	2.730	8.8	20.6
6 30	19 26.40	−16 52.9	1.720	2.719	4.9	20.4
7 10	19 17.77	−17 16.2	1.694	2.708	1.9	20.1
7 20	19 8.95	−17 43.0	1.695	2.698	4.5	20.3
7 30	19 1.00	−18 11.3	1.723	2.687	8.5	20.5
8 9	18 54.80	−18 39.0	1.774	2.676	12.2	20.7
8 19	18 50.96	−19 4.8	1.846	2.666	15.4	20.9

148602 2001 RK_{56} 7 10.0 117°.60 2°.6/10.9 17

6 10	19 41.98	−14 17.0	1.703	2.594	13.3	20.0
6 20	19 35.53	−14 30.7	1.647	2.603	9.6	19.8
6 30	19 27.17	−14 54.5	1.615	2.611	5.6	19.6
7 10	19 17.77	−15 26.2	1.608	2.620	2.6	19.4
7 20	19 8.39	−16 2.8	1.628	2.628	4.9	19.6
7 30	19 0.09	−16 41.5	1.673	2.637	8.8	19.8
8 9	18 53.76	−17 19.7	1.743	2.644	12.4	20.1
8 19	18 49.93	−17 55.4	1.834	2.652	15.5	20.3

474493 2003 TR_4 7 10.0 250°.01 1°.7/ 9.5 18

6 10	19 42.95	−26 37.7	2.002	2.900	11.3	21.8
6 20	19 36.25	−26 51.6	1.926	2.888	7.9	21.6
6 30	19 27.58	−27 3.8	1.875	2.876	4.3	21.3
7 10	19 17.78	−27 11.3	1.850	2.864	1.8	21.1
7 20	19 7.83	−27 11.9	1.853	2.852	4.7	21.3
7 30	18 58.83	−27 4.9	1.883	2.839	8.5	21.5
8 9	18 51.70	−26 51.2	1.937	2.827	11.9	21.7
8 19	18 47.02	−26 32.5	2.013	2.813	14.9	21.9

199926 2007 GG_{36} 7 10.0 37°.48 0°.8/10.2 17

6 10	19 42.08	−18 51.7	0.971	1.895	17.8	19.9
6 20	19 36.47	−19 18.9	0.932	1.906	12.5	19.6
6 30	19 27.89	−19 55.9	0.912	1.918	6.5	19.3
7 10	19 17.77	−20 37.7	0.914	1.931	0.8	19.0
7 20	19 7.82	−21 18.7	0.938	1.944	6.1	19.4
7 30	18 59.75	−21 54.8	0.984	1.958	11.8	19.7
8 9	18 54.79	−22 23.9	1.049	1.973	16.7	20.1
8 19	18 53.46	−22 45.5	1.131	1.989	20.7	20.4

211421 2002 WD_{24} 7 10.0 16°.17 0°.9/10.3 18

6 10	19 39.83	−19 2.3	1.842	2.741	12.0	20.2
6 20	19 34.02	−19 10.7	1.780	2.742	8.5	20.0
6 30	19 26.40	−19 24.0	1.741	2.743	4.5	19.8
7 10	19 17.78	−19 40.2	1.729	2.745	0.9	19.5
7 20	19 9.13	−19 57.3	1.743	2.746	4.2	19.8
7 30	19 1.46	−20 13.6	1.783	2.748	8.2	20.0
8 9	18 55.60	−20 27.8	1.848	2.750	11.8	20.2
8 19	18 52.08	−20 39.6	1.933	2.752	14.8	20.5

418912 2009 BR_{172} 7 10.0 247°.43 1°.9/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 46.38	−26 11.3	1.463	2.368	14.2	21.5
6 20	19 39.17	−26 22.3	1.393	2.359	10.0	21.2
6 30	19 29.28	−26 31.6	1.345	2.349	5.3	20.9
7 10	19 17.80	−26 35.1	1.323	2.338	1.9	20.7
7 20	19 6.15	−26 29.9	1.327	2.327	5.7	20.9
7 30	18 55.84	−26 15.7	1.355	2.316	10.6	21.2
8 9	18 48.12	−25 54.2	1.406	2.305	14.9	21.4
8 19	18 43.67	−25 28.0	1.475	2.293	18.6	21.6

350957 2003 AG_{20} 7 10.0 197°.46 1°.1/ 9.7 18

6 10	19 42.27	−25 57.6	2.389	3.281	9.9	21.1
6 20	19 35.44	−25 57.6	2.318	3.279	6.9	20.9
6 30	19 27.04	−25 55.8	2.274	3.276	3.6	20.7
7 10	19 17.81	−25 50.4	2.258	3.273	1.1	20.5
7 20	19 8.57	−25 40.1	2.270	3.270	3.8	20.7
7 30	19 0.18	−25 24.8	2.310	3.266	7.1	20.9
8 9	18 53.38	−25 5.5	2.376	3.262	10.2	21.1
8 19	18 48.63	−24 43.2	2.464	3.258	12.7	21.3

520095 2013 YU_{153} 7 10.0 165°.80 2°.3/11.1 18

6 10	19 40.61	−12 57.4	2.309	3.184	10.9	21.9
6 20	19 34.28	−13 28.7	2.242	3.189	7.9	21.7
6 30	19 26.46	−14 9.2	2.200	3.193	4.7	21.5
7 10	19 17.81	−14 56.7	2.186	3.197	2.3	21.4
7 20	19 9.08	−15 48.4	2.201	3.200	4.0	21.5
7 30	19 1.09	−16 41.4	2.244	3.203	7.1	21.7
8 9	18 54.54	−17 33.2	2.313	3.205	10.2	21.9
8 19	18 49.92	−18 22.0	2.406	3.207	12.8	22.1

38750 2000 QJ_{207} 7 10.0 208°.14 7°.3/12.9 18

6 10	19 39.76	− 1 14.7	1.993	2.833	13.8	19.4
6 20	19 33.87	− 0 59.7	1.922	2.830	11.2	19.3
6 30	19 26.32	− 1 3.0	1.872	2.826	8.8	19.1
7 10	19 17.81	− 1 25.4	1.848	2.822	7.4	19.0
7 20	19 9.17	− 2 5.9	1.849	2.817	7.8	19.0
7 30	19 1.32	− 3 1.7	1.876	2.812	9.8	19.2
8 9	18 55.04	− 4 8.2	1.927	2.807	12.4	19.3
8 19	18 50.87	− 5 20.7	1.999	2.801	15.0	19.5

49339 1998 VH_{54} 7 10.0 240°.04 1°.6/10.3 18

6 10	19 44.69	−19 7.2	1.806	2.698	12.6	18.8
6 20	19 37.52	−18 40.2	1.728	2.687	9.0	18.5
6 30	19 28.27	−18 16.0	1.675	2.675	4.9	18.3
7 10	19 17.82	−17 53.9	1.648	2.663	1.7	18.0
7 20	19 7.24	−17 33.6	1.649	2.651	4.7	18.2
7 30	18 57.67	−17 15.2	1.677	2.638	8.9	18.4
8 9	18 50.08	−16 58.8	1.729	2.624	12.8	18.6
8 19	18 45.08	−16 44.6	1.801	2.611	16.1	18.8

468803 2012 HJ_{24} 7 10.0 26°.82 0°.8/ 9.7 17

6 10	19 41.49	−20 53.7	1.322	2.235	14.8	20.6
6 20	19 35.77	−21 52.9	1.269	2.239	10.3	20.3
6 30	19 27.52	−22 59.3	1.238	2.243	5.3	20.1
7 10	19 17.82	−24 6.6	1.231	2.247	0.8	19.7
7 20	19 8.03	−25 8.7	1.249	2.252	5.5	20.1
7 30	18 59.60	−26 1.1	1.292	2.258	10.5	20.4
8 9	18 53.68	−26 41.9	1.356	2.263	14.8	20.7
8 19	18 50.91	−27 11.4	1.438	2.270	18.4	20.9

93565 2000 UB_{39} 7 10.0 193°.78 3°.4/ 8.8 17

6 10	19 43.51	−29 25.6	1.843	2.744	12.0	19.8
6 20	19 36.79	−30 14.2	1.782	2.743	8.5	19.6
6 30	19 27.93	−30 59.8	1.744	2.742	5.1	19.4
7 10	19 17.84	−31 37.3	1.733	2.741	3.5	19.3
7 20	19 7.65	−32 3.1	1.749	2.740	5.9	19.5
7 30	18 58.56	−32 15.6	1.790	2.738	9.4	19.7
8 9	18 51.56	−32 16.0	1.855	2.737	12.8	19.9
8 19	18 47.25	−32 6.5	1.940	2.735	15.6	20.1

431126 2006 KY_{15} 7 10.0 2°.44 10°.9/ 3.7 16

6 10	19 41.41	−39 0.7	1.228	2.139	15.9	19.7
6 20	19 36.65	−41 53.0	1.186	2.137	12.9	19.5
6 30	19 28.40	−44 33.4	1.167	2.136	11.1	19.4
7 10	19 17.84	−46 47.0	1.170	2.137	11.4	19.4
7 20	19 6.76	−48 23.0	1.196	2.140	13.6	19.5
7 30	18 57.30	−49 18.4	1.243	2.143	16.5	19.7
8 9	18 51.23	−49 37.3	1.306	2.149	19.4	19.9
8 19	18 49.47	−49 27.3	1.385	2.155	21.9	20.1

442864 2013 AO_{166} 7 10.0 25°.37 5°.0/12.2 16

6 10	19 37.74	− 6 58.5	1.972	2.840	12.8	21.2
6 20	19 32.46	− 7 3.8	1.908	2.842	9.8	21.0
6 30	19 25.59	− 7 23.9	1.866	2.844	6.9	20.8
7 10	19 17.84	− 7 58.0	1.850	2.847	5.0	20.7
7 20	19 10.03	− 8 44.0	1.861	2.849	5.9	20.8
7 30	19 3.02	− 9 38.8	1.897	2.852	8.5	21.0
8 9	18 57.58	−10 38.5	1.958	2.855	11.5	21.1
8 19	18 54.20	−11 39.4	2.040	2.858	14.2	21.3

249739 2000 SN_{180} 7 10.0 271°.85 2°.4/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 39.21	−15 24.1	2.187	3.074	11.0	20.1
6 20	19 33.42	−15 8.9	2.113	3.066	7.9	19.9
6 30	19 26.07	−14 59.6	2.063	3.058	4.7	19.7
7 10	19 17.84	−14 55.9	2.040	3.051	2.4	19.5
7 20	19 9.53	−14 56.8	2.044	3.043	4.3	19.7
7 30	19 1.98	−15 1.6	2.076	3.036	7.6	19.8
8 9	18 55.93	−15 9.0	2.132	3.028	10.7	20.0
8 19	18 51.87	−15 18.1	2.210	3.020	13.5	20.2

479927 2014 HX_{122} 7 10.0 58°.43 0°.8/ 9.8 16

6 10	19 40.37	−23 29.6	1.953	2.854	11.4	21.2
6 20	19 34.33	−23 49.8	1.897	2.862	7.9	21.0
6 30	19 26.55	−24 11.2	1.866	2.869	4.0	20.8
7 10	19 17.86	−24 30.9	1.861	2.877	0.8	20.6
7 20	19 9.19	−24 46.5	1.883	2.885	4.2	20.9
7 30	19 1.53	−24 56.9	1.932	2.893	7.9	21.1
8 9	18 55.66	−25 1.9	2.005	2.901	11.3	21.3
8 19	18 52.08	−25 2.0	2.099	2.910	14.1	21.5

510827 2013 CE_{4} 7 10.0 197°.54 0°.4/ 9.9 18

6 10	19 41.47	−23 53.9	2.263	3.157	10.3	21.4
6 20	19 34.94	−23 48.9	2.195	3.156	7.2	21.2
6 30	19 26.82	−23 43.6	2.152	3.154	3.7	21.0
7 10	19 17.87	−23 36.3	2.136	3.153	0.4	20.7
7 20	19 8.91	−23 26.0	2.149	3.151	3.8	21.0
7 30	19 0.82	−23 12.5	2.190	3.149	7.3	21.2
8 9	18 54.35	−22 56.4	2.256	3.147	10.4	21.4
8 19	18 49.95	−22 38.4	2.344	3.145	13.1	21.6

521471 2015 OM_{92} 7 10.0 273°.26 3°.0/10.9 18

6 10	19 38.41	−13 14.0	2.290	3.170	10.8	21.2
6 20	19 32.79	−12 56.9	2.217	3.165	7.9	21.0
6 30	19 25.73	−12 47.1	2.170	3.161	5.0	20.8
7 10	19 17.87	−12 44.3	2.149	3.156	3.0	20.7
7 20	19 9.95	−12 47.9	2.155	3.151	4.5	20.8
7 30	19 2.74	−12 56.7	2.189	3.146	7.4	20.9
8 9	18 56.94	−13 9.5	2.248	3.141	10.3	21.1
8 19	18 53.01	−13 24.7	2.328	3.137	12.9	21.3

41302 1999 XO_{129} 7 10.0 303°.75 3°.9/ 8.8 18

6 10	19 41.65	−33 10.4	2.160	3.055	10.7	18.9
6 20	19 35.31	−33 34.3	2.091	3.046	7.9	18.7
6 30	19 27.11	−33 51.8	2.046	3.038	5.1	18.5
7 10	19 17.87	−33 59.5	2.027	3.030	3.9	18.4
7 20	19 8.57	−33 55.2	2.036	3.022	5.7	18.5
7 30	19 0.24	−33 38.7	2.071	3.014	8.6	18.7
8 9	18 53.73	−33 11.7	2.130	3.006	11.6	18.8
8 19	18 49.60	−32 37.1	2.209	2.998	14.2	19.0

448100 2008 KM_{16} 7 10.0 337°.90 0°.1/10.1 18

6 10	19 38.27	−19 18.7	2.124	3.021	10.8	20.7
6 20	19 32.89	−20 7.6	2.055	3.017	7.5	20.5
6 30	19 25.86	−21 2.4	2.012	3.014	3.9	20.3
7 10	19 17.87	−21 59.7	1.995	3.012	0.1	19.9
7 20	19 9.74	−22 55.9	2.006	3.009	3.8	20.3
7 30	19 2.37	−23 47.9	2.045	3.007	7.5	20.5
8 9	18 56.54	−24 33.6	2.109	3.005	10.8	20.7
8 19	18 52.78	−25 12.2	2.194	3.003	13.6	20.9

30088 2000 EK_{128} 7 10.0 347°.99 1°.1/10.4 18

6 10	19 38.05	−18 22.8	1.150	2.070	15.9	17.6
6 20	19 33.66	−18 46.4	1.090	2.062	11.3	17.4
6 30	19 26.57	−19 20.4	1.050	2.055	6.0	17.0
7 10	19 17.87	−20 1.2	1.032	2.048	1.1	16.7
7 20	19 8.97	−20 44.1	1.037	2.043	5.7	17.0
7 30	19 1.43	−21 24.7	1.065	2.039	11.1	17.3
8 9	18 56.50	−22 0.1	1.113	2.037	16.0	17.5
8 19	18 54.92	−22 28.7	1.178	2.035	20.0	17.8

288191 2003 XB_{13} 7 10.0 28°.28 0°.3/10.1 18

6 10	19 41.20	−21 42.6	1.524	2.432	13.5	19.6
6 20	19 35.18	−21 34.9	1.473	2.440	9.4	19.4
6 30	19 27.07	−21 29.6	1.444	2.448	4.9	19.2
7 10	19 17.88	−21 24.9	1.440	2.456	0.3	18.8
7 20	19 8.79	−21 19.2	1.461	2.465	4.7	19.2
7 30	19 1.00	−21 12.1	1.508	2.475	9.2	19.5
8 9	18 55.42	−21 3.5	1.577	2.485	13.1	19.7
8 19	18 52.55	−20 53.9	1.666	2.495	16.4	20.0

423872 2006 RN_{43} 7 10.0 188°.28 1°.2/10.4 17

6 10	19 43.47	−17 57.6	1.861	2.753	12.3	22.2
6 20	19 36.60	−18 10.1	1.794	2.752	8.7	22.0
6 30	19 27.79	−18 28.6	1.751	2.751	4.7	21.7
7 10	19 17.89	−18 50.8	1.734	2.750	1.3	21.5
7 20	19 7.89	−19 14.2	1.745	2.748	4.4	21.7
7 30	18 58.88	−19 36.8	1.783	2.745	8.4	21.9
8 9	18 51.76	−19 57.4	1.846	2.742	12.1	22.1
8 19	18 47.09	−20 15.3	1.929	2.738	15.2	22.4

8313 Christiansen 7 10.0 302°.20 0°.9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 40.17	−16 20.4	1.590	2.490	13.5	17.3
6 20	19 34.79	−17 22.6	1.509	2.472	9.7	17.0
6 30	19 27.09	−18 38.2	1.452	2.454	5.2	16.7
7 10	19 17.88	−20 2.7	1.420	2.436	0.9	16.3
7 20	19 8.24	−21 29.9	1.414	2.418	4.9	16.6
7 30	18 59.44	−22 53.9	1.435	2.401	9.7	16.8
8 9	18 52.63	−24 10.2	1.479	2.384	14.0	17.0
8 19	18 48.63	−25 16.3	1.543	2.367	17.7	17.2

23781 1998 QT_{11} 7 10.0 332°.75 4°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 36.72	− 8 20.2	1.941	2.816	12.6	18.5
6 20	19 31.86	− 8 24.5	1.867	2.808	9.7	18.3
6 30	19 25.35	− 8 42.8	1.817	2.799	6.6	18.1
7 10	19 17.89	− 9 14.5	1.792	2.792	4.7	18.0
7 20	19 10.28	− 9 57.8	1.793	2.785	5.7	18.0
7 30	19 3.42	−10 49.6	1.820	2.778	8.6	18.2
8 9	18 58.12	−11 46.2	1.870	2.771	11.7	18.4
8 19	18 54.90	−12 44.1	1.943	2.765	14.6	18.6

187395 2005 UG_{511} 7 10.0 182°.62 4°.9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 42.46	−37 0.7	2.644	3.525	9.5	20.7
6 20	19 35.76	−38 6.9	2.583	3.525	7.3	20.5
6 30	19 27.33	−39 6.1	2.549	3.525	5.5	20.4
7 10	19 17.90	−39 53.8	2.542	3.525	5.0	20.4
7 20	19 8.33	−40 27.0	2.563	3.524	6.3	20.5
7 30	18 59.55	−40 44.7	2.611	3.523	8.4	20.6
8 9	18 52.36	−40 48.1	2.683	3.522	10.6	20.7
8 19	18 47.32	−40 39.6	2.776	3.521	12.6	20.9

69613 1998 FK_{47} 7 10.0 343°.94 6°.5/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 44.32	−34 23.8	1.152	2.069	16.2	17.4
6 20	19 38.34	−35 0.4	1.096	2.062	12.1	17.1
6 30	19 29.07	−35 26.1	1.061	2.055	8.2	16.9
7 10	19 17.91	−35 33.3	1.047	2.050	6.6	16.8
7 20	19 6.69	−35 17.9	1.056	2.045	9.1	16.9
7 30	18 57.34	−34 40.8	1.086	2.041	13.3	17.1
8 9	18 51.27	−33 47.3	1.136	2.038	17.5	17.3
8 19	18 49.14	−32 43.7	1.203	2.036	21.1	17.6

183849 2004 BO_{134} 7 10.0 175°.92 4°.7/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 42.70	− 9 16.6	1.921	2.790	13.0	20.8
6 20	19 35.95	− 9 1.2	1.855	2.793	9.9	20.6
6 30	19 27.42	− 8 57.8	1.813	2.795	6.7	20.4
7 10	19 17.92	− 9 6.4	1.797	2.796	4.7	20.3
7 20	19 8.36	− 9 25.8	1.807	2.797	5.9	20.4
7 30	18 59.73	− 9 54.0	1.845	2.797	8.9	20.6
8 9	18 52.84	−10 28.1	1.907	2.796	12.1	20.8
8 19	18 48.22	−11 5.4	1.989	2.795	14.9	21.0

332224 2006 GZ_{54} 7 10.0 34°.06 2°.6/10.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 39.99	−15 54.6	1.327	2.234	15.2	21.0
6 20	19 34.41	−15 52.9	1.287	2.252	10.8	20.8
6 30	19 26.69	−16 1.2	1.269	2.270	6.1	20.6
7 10	19 17.92	−16 17.6	1.275	2.289	2.6	20.4
7 20	19 9.35	−16 39.2	1.305	2.309	5.3	20.6
7 30	19 2.19	−17 3.5	1.360	2.329	9.7	20.9
8 9	18 57.35	−17 28.1	1.436	2.350	13.7	21.2
8 19	18 55.30	−17 51.0	1.531	2.372	17.0	21.5

320287 2007 RJ_{190} 7 10.0 233°.85 0°.2/10.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 40.85	−20 37.5	1.983	2.880	11.4	21.5
6 20	19 34.75	−20 55.1	1.913	2.875	8.0	21.3
6 30	19 26.85	−21 16.3	1.868	2.871	4.1	21.0
7 10	19 17.92	−21 38.7	1.850	2.867	0.2	20.7
7 20	19 8.89	−22 0.0	1.859	2.862	4.1	21.0
7 30	19 0.75	−22 18.4	1.895	2.857	8.0	21.2
8 9	18 54.34	−22 33.0	1.955	2.852	11.5	21.4
8 19	18 50.22	−22 43.7	2.037	2.847	14.5	21.6

432410 2010 AD_{8} 7 10.0 206°.51 3°.7/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 43.13	−28 6.4	1.722	2.626	12.5	20.0
6 20	19 36.73	−29 26.9	1.662	2.626	8.9	19.8
6 30	19 28.02	−30 47.1	1.627	2.625	5.3	19.6
7 10	19 17.93	−31 59.9	1.617	2.625	3.8	19.5
7 20	19 7.62	−32 59.8	1.635	2.624	6.4	19.7
7 30	18 58.40	−33 43.6	1.678	2.624	10.1	19.9
8 9	18 51.35	−34 11.3	1.744	2.623	13.5	20.1
8 19	18 47.16	−34 25.0	1.830	2.623	16.5	20.3

164093 2003 WF_{142} 7 10.0 268°.17 1°.6/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 42.09	−24 27.7	2.142	3.037	10.8	20.0
6 20	19 35.78	−25 14.5	2.051	3.013	7.6	19.8
6 30	19 27.50	−26 3.8	1.987	2.989	4.0	19.5
7 10	19 17.94	−26 51.6	1.949	2.964	1.6	19.3
7 20	19 8.00	−27 34.1	1.940	2.938	4.6	19.5
7 30	18 58.74	−28 8.6	1.958	2.912	8.3	19.7
8 9	18 51.11	−28 34.2	2.001	2.886	11.8	19.8
8 19	18 45.79	−28 51.4	2.066	2.859	14.9	20.0

342742 2008 WU_{54} 7 10.1 325°.48 3°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 42.27	−29 8.9	1.681	2.587	12.6	20.1
6 20	19 36.15	−30 7.1	1.619	2.583	9.0	19.9
6 30	19 27.72	−31 3.2	1.581	2.580	5.4	19.7
7 10	19 17.94	−31 51.3	1.569	2.577	3.8	19.6
7 20	19 8.01	−32 26.8	1.583	2.574	6.3	19.7
7 30	18 59.21	−32 47.6	1.621	2.571	10.1	19.9
8 9	18 52.63	−32 54.5	1.683	2.569	13.6	20.2
8 19	18 48.91	−32 49.8	1.763	2.566	16.7	20.4

429398 2010 RE_{78} 7 10.1 277°.54 3°.3/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 44.86	−27 44.8	1.456	2.365	14.0	21.3
6 20	19 38.37	−28 27.2	1.381	2.347	10.0	21.0
6 30	19 29.07	−29 9.0	1.327	2.329	5.7	20.7
7 10	19 17.96	−29 43.9	1.299	2.311	3.3	20.5
7 20	19 6.44	−30 7.0	1.295	2.292	6.6	20.7
7 30	18 56.12	−30 16.1	1.316	2.273	11.2	20.9
8 9	18 48.36	−30 12.0	1.359	2.255	15.6	21.1
8 19	18 43.98	−29 57.7	1.420	2.236	19.3	21.3

131134 2001 BD_{44} 7 10.1 105°.98 4°.8/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 40.02	− 6 29.0	1.962	2.825	13.1	19.6
6 20	19 34.03	− 6 51.5	1.904	2.836	10.0	19.4
6 30	19 26.42	− 7 29.7	1.870	2.848	6.9	19.2
7 10	19 17.95	− 8 21.8	1.861	2.859	4.9	19.1
7 20	19 9.47	− 9 25.0	1.880	2.870	5.7	19.2
7 30	19 1.88	−10 35.1	1.926	2.881	8.4	19.4
8 9	18 55.91	−11 47.7	1.996	2.891	11.4	19.6
8 19	18 52.07	−12 59.3	2.089	2.901	14.1	19.8

357493 2004 NH_{29} 7 10.1 332°.30 6°.9/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 36.44	− 1 53.8	1.826	2.680	14.3	20.0
6 20	19 31.79	− 2 8.0	1.749	2.668	11.5	19.8
6 30	19 25.40	− 2 43.3	1.694	2.657	8.8	19.6
7 10	19 17.95	− 3 39.9	1.662	2.646	7.0	19.4
7 20	19 10.29	− 4 55.3	1.656	2.636	7.4	19.4
7 30	19 3.39	− 6 25.0	1.675	2.626	9.7	19.6
8 9	18 58.08	− 8 3.0	1.718	2.617	12.7	19.7
8 19	18 54.96	− 9 43.1	1.783	2.608	15.6	19.9

503456 2016 EX_{121} 7 10.1 48°.64 2°.5/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 43.98	−25 2.5	1.183	2.101	15.8	20.9
6 20	19 37.71	−25 54.7	1.138	2.110	11.0	20.7
6 30	19 28.61	−26 48.2	1.115	2.119	5.9	20.4
7 10	19 17.98	−27 36.1	1.115	2.129	2.6	20.3
7 20	19 7.41	−28 12.9	1.138	2.139	6.5	20.5
7 30	18 58.53	−28 36.0	1.185	2.150	11.4	20.8
8 9	18 52.57	−28 46.1	1.253	2.160	15.8	21.1
8 19	18 50.10	−28 45.7	1.338	2.171	19.4	21.4

335 Roberta 7 10.1 359°.92 3°.2/11.0 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 37.55	−14 16.9	1.138	2.053	16.5	11.7
6 20	19 33.23	−14 30.1	1.083	2.050	12.0	11.4
6 30	19 26.34	−14 58.4	1.047	2.048	7.1	11.1
7 10	19 17.97	−15 39.5	1.034	2.047	3.3	10.9
7 20	19 9.47	−16 28.9	1.043	2.048	6.0	11.1
7 30	19 2.34	−17 21.7	1.075	2.050	11.0	11.4
8 9	18 57.76	−18 13.3	1.127	2.053	15.7	11.6
8 19	18 56.37	−19 0.3	1.197	2.057	19.6	11.9

12739 1992 DY_{7} 7 10.1 24°.21 1°.0/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 41.35	−23 27.3	1.731	2.635	12.4	18.2
6 20	19 35.29	−23 56.6	1.671	2.637	8.6	18.0
6 30	19 27.20	−24 27.9	1.634	2.638	4.5	17.8
7 10	19 17.98	−24 57.4	1.623	2.639	1.0	17.5
7 20	19 8.70	−25 22.1	1.639	2.641	4.7	17.8
7 30	19 0.50	−25 39.9	1.681	2.642	8.8	18.0
8 9	18 54.32	−25 50.7	1.746	2.644	12.5	18.3
8 19	18 50.73	−25 55.2	1.831	2.646	15.7	18.5

183209 2002 TW_{28} 7 10.1 247°.72 4°.1/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 41.72	−11 29.2	1.667	2.551	13.9	19.8
6 20	19 35.62	−11 23.0	1.593	2.542	10.4	19.6
6 30	19 27.43	−11 29.2	1.543	2.533	6.7	19.4
7 10	19 18.00	−11 47.3	1.517	2.524	4.2	19.2
7 20	19 8.37	−12 15.3	1.517	2.514	5.8	19.3
7 30	18 59.69	−12 50.8	1.543	2.504	9.6	19.5
8 9	18 52.94	−13 30.5	1.592	2.494	13.4	19.7
8 19	18 48.76	−14 11.6	1.662	2.483	16.7	19.9

39088 2000 VO_{50} 7 10.1 11°.98 3°.8/10.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 41.69	−16 4.0	1.117	2.031	16.9	17.7
6 20	19 36.06	−15 25.0	1.066	2.033	12.2	17.4
6 30	19 27.75	−14 55.7	1.035	2.035	7.2	17.1
7 10	19 18.01	−14 36.3	1.026	2.038	3.8	17.0
7 20	19 8.30	−14 26.5	1.040	2.042	6.6	17.1
7 30	19 0.18	−14 25.1	1.076	2.047	11.5	17.4
8 9	18 54.78	−14 30.1	1.133	2.053	16.1	17.7
8 19	18 52.71	−14 39.3	1.207	2.059	19.9	18.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
251932 1999 VW_{210}			7 10.1 295°.34	1°.1/ 9.7 18		R
	h m	° ′			°	m
6 10	19 40.14	−25 2.6	2.136	3.035	10.6	20.0
6 20	19 34.30	−25 13.6	2.055	3.018	7.5	19.8
6 30	19 26.68	−25 24.4	1.998	3.000	3.9	19.5
7 10	19 18.00	−25 32.5	1.968	2.983	1.1	19.3
7 20	19 9.16	−25 36.0	1.965	2.966	4.2	19.5
7 30	19 1.10	−25 34.0	1.989	2.948	7.9	19.7
8 9	18 54.68	−25 26.7	2.038	2.931	11.3	19.9
8 19	18 50.47	−25 15.1	2.108	2.914	14.2	20.0
144949 2005 EG_{35}			7 10.1 27°.82	0°.0/10.1 17		
6 10	19 41.63	−21 53.4	1.055	1.979	16.7	19.4
6 20	19 36.07	−21 57.4	1.015	1.989	11.7	19.1
6 30	19 27.74	−22 5.6	0.995	2.001	6.0	18.9
7 10	19 18.01	−22 14.2	0.996	2.013	0.0	18.4
7 20	19 8.49	−22 20.6	1.021	2.027	5.8	18.9
7 30	19 0.76	−22 23.2	1.068	2.041	11.2	19.3
8 9	18 55.96	−22 22.0	1.135	2.057	15.9	19.6
8 19	18 54.57	−22 17.3	1.219	2.073	19.7	19.9
464697 2002 EC_{163}			7 10.1 24°.19	5°.2/11.4 17		
6 10	19 40.01	−11 43.6	1.077	1.986	17.8	20.8
6 20	19 34.89	−11 29.2	1.031	1.992	13.2	20.5
6 30	19 27.15	−11 32.2	1.005	2.000	8.4	20.3
7 10	19 18.01	−11 52.0	1.000	2.008	5.2	20.1
7 20	19 8.93	−12 25.5	1.017	2.017	7.2	20.3
7 30	19 1.41	−13 8.4	1.057	2.027	11.6	20.6
8 9	18 56.57	−13 55.6	1.116	2.038	16.0	20.9
8 19	18 54.99	−14 42.7	1.193	2.050	19.8	21.1
198258 2004 TX_{238}			7 10.1 146°.63	0°.4/10.2 18		
6 10	19 42.17	−20 32.3	1.822	2.720	12.2	20.8
6 20	19 35.73	−20 41.4	1.760	2.723	8.5	20.6
6 30	19 27.39	−20 54.1	1.723	2.725	4.4	20.3
7 10	19 18.02	−21 8.0	1.711	2.728	0.4	20.0
7 20	19 8.62	−21 20.9	1.727	2.730	4.3	20.3
7 30	19 0.26	−21 31.6	1.769	2.732	8.4	20.6
8 9	18 53.82	−21 39.3	1.835	2.734	12.0	20.8
8 19	18 49.83	−21 44.0	1.922	2.736	15.1	21.0
293970 2007 TC_{52}			7 10.1 322°.95	0°.3/10.1 17		
6 10	19 40.44	−20 50.3	1.724	2.627	12.5	21.0
6 20	19 34.69	−20 59.6	1.656	2.621	8.8	20.8
6 30	19 26.93	−21 12.7	1.611	2.615	4.6	20.5
7 10	19 18.02	−21 27.2	1.592	2.609	0.3	20.2
7 20	19 8.99	−21 40.8	1.600	2.604	4.5	20.5
7 30	19 0.98	−21 51.9	1.633	2.598	8.7	20.7
8 9	18 54.91	−21 59.8	1.689	2.593	12.6	21.0
8 19	18 51.38	−22 4.4	1.766	2.589	15.9	21.2
467569 2007 TN_{305}			7 10.1 255°.52	0°.3/10.2 17		
6 10	19 43.65	−19 32.8	1.503	2.405	14.0	21.3
6 20	19 37.30	−20 4.6	1.429	2.394	9.9	21.0
6 30	19 28.46	−20 43.9	1.378	2.381	5.2	20.7
7 10	19 18.05	−21 26.7	1.352	2.369	0.3	20.3
7 20	19 7.32	−22 8.8	1.352	2.356	5.1	20.6
7 30	18 57.67	−22 46.6	1.378	2.343	10.0	20.9
8 9	18 50.30	−23 18.2	1.426	2.330	14.5	21.1
8 19	18 45.95	−23 43.2	1.493	2.316	18.2	21.3
186960 2004 RW_{105}			7 10.1 8°.96	9°.6/13.2 18		
6 10	19 36.93	+ 3 2.4	1.904	2.731	14.9	19.3
6 20	19 31.97	+ 3 58.3	1.845	2.732	12.7	19.2
6 30	19 25.44	+ 4 33.6	1.807	2.734	10.8	19.0
7 10	19 18.03	+ 4 45.5	1.792	2.737	9.7	19.0
7 20	19 10.58	+ 4 33.8	1.799	2.740	10.0	19.0
7 30	19 3.96	+ 4 0.3	1.830	2.743	11.4	19.1
8 9	18 58.89	+ 3 9.5	1.883	2.747	13.4	19.2
8 19	18 55.89	+ 2 6.7	1.956	2.752	15.5	19.4
504537 2008 SG_{55}			7 10.1 151°.66	8°.5/13.6 17		
6 10	19 39.83	+ 3 26.6	2.192	3.003	13.7	21.9
6 20	19 33.80	+ 3 58.7	2.131	3.010	11.6	21.7
6 30	19 26.32	+ 4 11.6	2.092	3.016	9.7	21.6
7 10	19 18.04	+ 4 3.8	2.077	3.022	8.6	21.6
7 20	19 9.74	+ 3 35.5	2.086	3.027	8.8	21.6
7 30	19 2.21	+ 2 49.3	2.121	3.032	10.1	21.7
8 9	18 56.13	+ 1 49.3	2.180	3.037	12.1	21.8
8 19	18 51.97	+ 0 40.4	2.260	3.041	14.1	22.0
102838 1999 VO_{192}			7 10.1 355°.60	11°.5/ 6.9 18		
6 10	19 43.34	−41 31.2	1.042	1.955	17.9	18.1
6 20	19 38.25	−43 0.2	0.997	1.949	14.6	17.9
6 30	19 29.30	−44 10.2	0.970	1.945	12.1	17.7
7 10	19 18.06	−44 49.4	0.964	1.942	11.6	17.7
7 20	19 6.73	−44 51.1	0.977	1.941	13.5	17.8
7 30	18 57.64	−44 16.5	1.010	1.940	16.6	17.9
8 9	18 52.42	−43 13.3	1.059	1.942	20.0	18.2
8 19	18 51.69	−41 50.9	1.124	1.944	23.1	18.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
337148 1999 TG_{271}			7 10.1 325°.68	1°.2/ 9.8 18		
	h m	° ′			°	m
6 10	19 39.87	−24 34.6	1.287	2.206	14.7	19.8
6 20	19 35.08	−24 37.5	1.206	2.178	10.4	19.5
6 30	19 27.48	−24 40.8	1.145	2.150	5.5	19.1
7 10	19 18.06	−24 41.2	1.107	2.124	1.2	18.7
7 20	19 8.16	−24 35.9	1.094	2.098	5.9	19.0
7 30	18 59.42	−24 23.7	1.102	2.073	11.3	19.2
8 9	18 53.23	−24 5.3	1.132	2.049	16.3	19.4
8 19	18 50.46	−23 42.5	1.179	2.027	20.5	19.6
363366 2002 TT_{12}			7 10.1 312°.52	0°.7/10.3 17		
6 10	19 40.52	−19 25.2	1.274	2.189	15.2	20.8
6 20	19 35.48	−19 46.1	1.198	2.168	10.8	20.5
6 30	19 27.67	−20 15.7	1.142	2.147	5.8	20.1
7 10	19 18.06	−20 50.6	1.110	2.127	0.7	19.7
7 20	19 7.99	−21 26.5	1.102	2.107	5.6	20.0
7 30	18 59.04	−21 59.8	1.116	2.088	11.1	20.2
8 9	18 52.60	−22 28.2	1.152	2.069	16.1	20.5
8 19	18 49.52	−22 50.7	1.205	2.051	20.3	20.7
338681 2003 TP_{9}			7 10.1 9°.94	20°.4/14.7 18		
6 10	19 36.99	+16 35.9	1.248	2.029	23.5	18.8
6 20	19 32.62	+19 16.0	1.214	2.032	22.1	18.7
6 30	19 25.97	+21 15.4	1.195	2.037	21.1	18.7
7 10	19 18.05	+22 25.9	1.192	2.044	20.5	18.6
7 20	19 10.07	+22 44.4	1.203	2.052	20.5	18.7
7 30	19 3.34	+22 13.1	1.229	2.062	21.0	18.8
8 9	18 58.90	+21 0.4	1.270	2.073	22.0	18.9
8 19	18 57.36	+19 17.0	1.323	2.086	23.1	19.0
31189 Tricomi			7 10.1 232°.87	0°.7/10.2 18		R
6 10	19 44.26	−20 45.6	2.025	2.915	11.5	19.5
6 20	19 37.16	−20 31.5	1.945	2.904	8.1	19.2
6 30	19 28.16	−20 19.0	1.890	2.892	4.3	19.0
7 10	19 18.08	−20 6.9	1.863	2.879	0.7	18.7
7 20	19 7.85	−19 54.3	1.864	2.866	4.2	18.9
7 30	18 58.53	−19 41.0	1.892	2.852	8.1	19.1
8 9	18 51.00	−19 27.2	1.945	2.838	11.7	19.3
8 19	18 45.82	−19 13.5	2.020	2.823	14.8	19.5
343366 2010 CG_{87}			7 10.1 14°.68	2°.2/10.8 17		
6 10	19 38.74	−15 30.3	1.380	2.287	14.8	20.0
6 20	19 33.73	−15 52.9	1.326	2.290	10.6	19.8
6 30	19 26.52	−16 27.1	1.294	2.295	5.9	19.5
7 10	19 18.07	−17 9.8	1.285	2.300	2.2	19.3
7 20	19 9.58	−17 57.1	1.302	2.306	5.2	19.5
7 30	19 2.31	−18 44.8	1.342	2.312	9.7	19.8
8 9	18 57.27	−19 29.6	1.404	2.320	13.9	20.1
8 19	18 55.02	−20 9.5	1.486	2.328	17.4	20.3
87689 2000 SB_{13}			7 10.1 282°.39	1°.4/ 9.7 18		
6 10	19 43.24	−25 2.6	1.680	2.584	12.7	19.0
6 20	19 36.88	−25 16.2	1.601	2.566	9.0	18.8
6 30	19 28.20	−25 29.8	1.546	2.549	4.8	18.5
7 10	19 18.09	−25 40.0	1.516	2.531	1.4	18.2
7 20	19 7.71	−25 44.1	1.512	2.513	5.1	18.4
7 30	18 58.36	−25 40.9	1.534	2.495	9.5	18.6
8 9	18 51.15	−25 31.1	1.579	2.478	13.6	18.8
8 19	18 46.77	−25 16.2	1.643	2.460	17.1	19.0
281832 2010 AA_{65}			7 10.1 170°.31	0°.4/10.3 18		
6 10	19 41.90	−17 56.1	1.987	2.878	11.7	21.0
6 20	19 35.54	−18 50.3	1.921	2.880	8.2	20.8
6 30	19 27.34	−19 51.8	1.880	2.882	4.3	20.6
7 10	19 18.08	−20 56.8	1.867	2.883	0.5	20.2
7 20	19 8.69	−22 0.9	1.882	2.885	4.1	20.5
7 30	19 0.15	−23 0.6	1.925	2.886	8.0	20.8
8 9	18 53.33	−23 53.4	1.993	2.886	11.5	21.0
8 19	18 48.80	−24 38.5	2.082	2.887	14.4	21.2
338603 2003 ST_{180}			7 10.1 245°.41	3°.4/11.3 16		
6 10	19 40.00	−11 55.8	1.945	2.826	12.4	20.5
6 20	19 34.21	−12 0.5	1.871	2.819	9.2	20.3
6 30	19 26.66	−12 16.1	1.821	2.812	5.8	20.1
7 10	19 18.08	−12 41.4	1.797	2.805	3.4	19.9
7 20	19 9.36	−13 14.5	1.801	2.798	5.0	20.0
7 30	19 1.44	−13 53.0	1.830	2.790	8.4	20.2
8 9	18 55.17	−14 33.9	1.884	2.783	11.8	20.4
8 19	18 51.10	−15 15.0	1.959	2.775	14.8	20.6
361102 2006 DU_{59}			7 10.1 2°.52	6°.7/ 8.9 17		
6 10	19 46.34	−34 46.5	1.133	2.048	16.6	19.9
6 20	19 39.76	−35 23.9	1.083	2.047	12.4	19.7
6 30	19 29.85	−35 49.4	1.053	2.047	8.4	19.4
7 10	19 18.10	−35 55.1	1.045	2.047	6.7	19.4
7 20	19 6.42	−35 37.4	1.059	2.048	9.2	19.5
7 30	18 56.75	−34 57.8	1.096	2.049	13.3	19.7
8 9	18 50.48	−34 2.0	1.151	2.051	17.5	20.0
8 19	18 48.20	−32 56.8	1.224	2.054	21.0	20.2

166092 2002 CO_{137} 7 10.1 228°.82 2°.4/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 44.57	−16 15.6	1.612	2.504	13.8	20.9
6 20	19 37.72	−16 10.6	1.538	2.496	10.0	20.7
6 30	19 28.60	−16 13.5	1.488	2.486	5.7	20.4
7 10	19 18.11	−16 22.7	1.463	2.476	2.4	20.2
7 20	19 7.41	−16 36.4	1.464	2.466	5.2	20.3
7 30	18 57.77	−16 52.7	1.491	2.454	9.6	20.5
8 9	18 50.25	−17 10.2	1.542	2.443	13.8	20.8
8 19	18 45.54	−17 27.5	1.612	2.431	17.3	21.0

476426 2008 DR_{65} 7 10.1 106°.46 9°.3/15.4 16

6 10	19 37.48	+ 9 0.8	2.430	3.204	13.5	21.3
6 20	19 32.08	+ 9 23.6	2.372	3.213	11.9	21.2
6 30	19 25.42	+ 9 25.4	2.335	3.223	10.3	21.1
7 10	19 18.09	+ 9 4.7	2.321	3.233	9.4	21.1
7 20	19 10.75	+ 8 22.2	2.331	3.243	9.4	21.1
7 30	19 4.10	+ 7 20.6	2.365	3.252	10.2	21.2
8 9	18 58.74	+ 6 4.3	2.423	3.261	11.6	21.3
8 19	18 55.08	+ 4 38.3	2.502	3.270	13.2	21.4

43385 2000 WQ_{54} 7 10.1 235°.94 1°.7/ 9.5 18

6 10	19 44.19	−23 36.9	1.559	2.464	13.5	18.9
6 20	19 37.65	−24 29.4	1.491	2.457	9.5	18.6
6 30	19 28.64	−25 25.5	1.447	2.450	5.0	18.4
7 10	19 18.12	−26 19.8	1.428	2.443	1.7	18.1
7 20	19 7.33	−27 7.0	1.436	2.436	5.5	18.4
7 30	18 57.68	−27 43.8	1.469	2.428	10.1	18.6
8 9	18 50.33	−28 9.5	1.524	2.420	14.2	18.8
8 19	18 46.00	−28 25.0	1.599	2.412	17.7	19.1

358915 2008 GT_{129} 7 10.1 136°.04 1°.9/10.9 18

6 10	19 38.77	−14 52.8	2.370	3.253	10.4	21.5
6 20	19 33.05	−15 6.6	2.306	3.258	7.4	21.3
6 30	19 25.95	−15 27.3	2.267	3.263	4.3	21.1
7 10	19 18.10	−15 53.4	2.256	3.268	2.0	21.0
7 20	19 10.21	−16 23.0	2.273	3.273	3.7	21.1
7 30	19 3.06	−16 54.2	2.317	3.278	6.8	21.3
8 9	18 57.27	−17 25.1	2.387	3.282	9.8	21.5
8 19	18 53.32	−17 54.6	2.480	3.286	12.3	21.7

13436 Enid 7 10.1 155°.98 0°.3/10.2 18

6 10	19 38.87	−20 18.7	2.668	3.557	9.1	18.1
6 20	19 33.03	−20 30.6	2.603	3.561	6.4	17.9
6 30	19 25.91	−20 45.1	2.563	3.565	3.3	17.7
7 10	19 18.10	−21 0.5	2.552	3.569	0.4	17.5
7 20	19 10.28	−21 15.3	2.570	3.572	3.2	17.7
7 30	19 3.14	−21 28.4	2.616	3.576	6.2	17.9
8 9	18 57.28	−21 39.2	2.688	3.579	9.0	18.1
8 19	18 53.11	−21 47.5	2.783	3.581	11.3	18.3

93032 2000 RG_{101} 7 10.1 104°.23 1°.6/ 9.9 18

6 10	19 47.40	−27 45.7	1.751	2.648	12.7	18.2
6 20	19 39.33	−27 24.1	1.696	2.657	8.9	18.0
6 30	19 29.22	−26 57.5	1.665	2.666	4.7	17.7
7 10	19 18.14	−26 24.3	1.661	2.676	1.6	17.5
7 20	19 7.27	−25 44.4	1.684	2.685	4.8	17.8
7 30	18 57.81	−24 59.3	1.734	2.693	8.8	18.0
8 9	18 50.62	−24 11.8	1.809	2.702	12.5	18.3
8 19	18 46.19	−23 24.4	1.904	2.711	15.5	18.5

420405 2012 CA_{56} 7 10.1 97°.35 0°.9/10.3 17

6 10	19 44.68	−18 57.0	1.463	2.365	14.4	21.6
6 20	19 37.71	−19 12.9	1.415	2.379	10.1	21.4
6 30	19 28.50	−19 35.0	1.390	2.392	5.3	21.1
7 10	19 18.13	−20 0.1	1.390	2.406	0.9	20.9
7 20	19 7.88	−20 25.1	1.415	2.419	4.9	21.2
7 30	18 59.01	−20 47.6	1.466	2.432	9.5	21.5
8 9	18 52.51	−21 6.4	1.540	2.445	13.5	21.8
8 19	18 48.91	−21 21.4	1.633	2.457	16.9	22.0

448079 2008 GV_{139} 7 10.1 328°.96 9°.2/ 5.9 17

6 10	19 42.44	−42 30.6	1.675	2.563	13.6	20.3
6 20	19 36.91	−43 51.8	1.602	2.538	11.3	20.1
6 30	19 28.48	−45 0.6	1.552	2.514	9.6	20.0
7 10	19 18.14	−45 48.6	1.525	2.490	9.4	19.9
7 20	19 7.34	−46 9.8	1.521	2.467	11.0	20.0
7 30	18 57.78	−46 2.8	1.540	2.445	13.6	20.1
8 9	18 50.89	−45 30.8	1.578	2.424	16.4	20.2
8 19	18 47.52	−44 39.4	1.633	2.404	19.0	20.3

328968 2010 VZ_{172} 7 10.1 200°.98 2°.0/ 9.4 17

6 10	19 44.75	−25 23.3	1.763	2.663	12.5	21.3
6 20	19 37.80	−26 4.9	1.697	2.660	8.7	21.1
6 30	19 28.62	−26 47.0	1.655	2.657	4.7	20.8
7 10	19 18.15	−27 25.1	1.640	2.654	2.0	20.6
7 20	19 7.52	−27 55.2	1.651	2.650	5.2	20.8
7 30	18 57.98	−28 15.3	1.689	2.645	9.3	21.1
8 9	18 50.56	−28 25.6	1.751	2.640	13.0	21.3
8 19	18 45.89	−28 27.6	1.832	2.635	16.1	21.5

223560 2004 ET_{106} 7 10.1 359°.09 2°.5/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 38.16	−16 45.4	1.097	2.017	16.6	19.9
6 20	19 33.78	−16 42.9	1.043	2.014	11.9	19.6
6 30	19 26.72	−16 51.5	1.008	2.011	6.7	19.3
7 10	19 18.14	−17 9.4	0.995	2.010	2.6	19.1
7 20	19 9.47	−17 33.5	1.005	2.010	6.0	19.3
7 30	19 2.24	−18 0.5	1.036	2.012	11.2	19.6
8 9	18 57.68	−18 27.4	1.088	2.015	16.0	19.9
8 19	18 56.42	−18 52.0	1.157	2.019	20.0	20.1

253754 2003 WU_{96} 7 10.1 331°.98 4°.4/10.9 18

6 10	19 38.32	−14 11.1	1.069	1.986	17.2	19.4
6 20	19 34.11	−13 47.4	1.002	1.969	12.8	19.1
6 30	19 27.03	−13 37.1	0.953	1.952	7.9	18.8
7 10	19 18.15	−13 40.5	0.926	1.937	4.5	18.6
7 20	19 8.91	−13 56.3	0.920	1.923	7.1	18.7
7 30	19 0.97	−14 21.8	0.936	1.910	12.3	18.9
8 9	18 55.74	−14 53.3	0.971	1.899	17.3	19.1
8 19	18 54.03	−15 27.0	1.022	1.889	21.7	19.4

157404 2004 TZ_{245} 7 10.1 189°.00 1°.7/10.8 18

6 10	19 38.09	−15 32.3	2.700	3.581	9.3	21.2
6 20	19 32.49	−15 37.1	2.629	3.580	6.7	21.1
6 30	19 25.66	−15 47.3	2.584	3.579	3.9	20.9
7 10	19 18.14	−16 1.9	2.566	3.578	1.8	20.7
7 20	19 10.58	−16 19.6	2.577	3.577	3.4	20.9
7 30	19 3.62	−16 39.0	2.616	3.575	6.2	21.0
8 9	18 57.87	−16 58.9	2.681	3.573	8.9	21.2
8 19	18 53.74	−17 18.3	2.769	3.571	11.3	21.4

220697 2004 RC_{320} 7 10.1 43°.29 5°.0/ 8.8 18

6 10	19 43.68	−36 37.6	2.089	2.978	11.3	19.4
6 20	19 36.76	−36 59.5	2.036	2.984	8.5	19.2
6 30	19 27.94	−37 11.7	2.006	2.990	6.0	19.1
7 10	19 18.16	−37 10.6	2.003	2.997	5.0	19.0
7 20	19 8.50	−36 54.5	2.026	3.004	6.5	19.1
7 30	19 0.03	−36 24.3	2.076	3.010	9.1	19.3
8 9	18 53.59	−35 42.8	2.149	3.017	11.8	19.5
8 19	18 49.66	−34 53.7	2.242	3.025	14.2	19.7

276004 2001 YF_{18} 7 10.1 286°.87 0°.4/ 9.9 18

6 10	19 41.99	−21 15.7	1.627	2.531	13.1	19.9
6 20	19 36.14	−21 50.2	1.545	2.511	9.2	19.7
6 30	19 27.92	−22 30.5	1.486	2.490	4.8	19.4
7 10	19 18.17	−23 12.8	1.452	2.469	0.4	19.0
7 20	19 8.02	−23 52.8	1.445	2.448	5.0	19.3
7 30	18 58.77	−24 27.3	1.463	2.427	9.7	19.5
8 9	18 51.59	−24 54.7	1.504	2.406	14.0	19.7
8 19	18 47.26	−25 14.8	1.564	2.385	17.6	19.9

383290 2006 DB_{211} 7 10.1 196°.25 2°.0/10.8 18

6 10	19 41.50	−15 19.4	2.226	3.108	11.0	22.3
6 20	19 35.09	−15 29.0	2.154	3.105	7.9	22.1
6 30	19 27.08	−15 45.5	2.106	3.102	4.6	21.9
7 10	19 18.16	−16 7.4	2.086	3.099	2.0	21.7
7 20	19 9.14	−16 32.8	2.094	3.094	4.0	21.8
7 30	19 0.89	−16 59.9	2.130	3.089	7.4	22.0
8 9	18 54.14	−17 26.9	2.191	3.084	10.6	22.2
8 19	18 49.43	−17 52.7	2.275	3.078	13.4	22.4

202974 1999 TZ_{113} 7 10.1 283°.20 8°.9/12.5 18

6 10	19 39.27	+ 0 12.5	1.830	2.670	14.8	20.4
6 20	19 33.85	+ 0 55.0	1.750	2.653	12.4	20.2
6 30	19 26.57	+ 1 18.3	1.692	2.637	10.2	20.0
7 10	19 18.16	+ 1 19.8	1.656	2.620	8.9	19.9
7 20	19 9.49	+ 0 58.8	1.645	2.603	9.4	19.9
7 30	19 1.56	+ 0 17.0	1.658	2.587	11.4	20.0
8 9	18 55.28	− 0 41.0	1.693	2.570	14.0	20.1
8 19	18 51.26	− 1 50.1	1.748	2.553	16.7	20.2

85186 1991 PR_{2} 7 10.1 332°.29 4°.9/ 9.6 18

6 10	19 47.11	−34 34.7	1.489	2.390	14.2	17.4
6 20	19 39.74	−34 30.9	1.425	2.384	10.5	17.1
6 30	19 29.68	−34 15.4	1.383	2.377	6.8	16.9
7 10	19 18.19	−33 43.7	1.366	2.371	4.9	16.8
7 20	19 6.77	−32 54.7	1.374	2.365	7.1	16.9
7 30	18 56.97	−31 51.0	1.407	2.360	11.0	17.1
8 9	18 49.93	−30 37.7	1.462	2.356	14.8	17.3
8 19	18 46.23	−29 20.4	1.536	2.351	18.2	17.5

383608 2007 JX_{17} 7 10.1 21°.84 7°.4/13.1 18

6 10	19 37.97	− 4 0.0	1.350	2.228	16.9	19.6
6 20	19 33.17	− 4 2.4	1.299	2.234	13.4	19.4
6 30	19 26.24	− 4 28.7	1.267	2.241	9.9	19.2
7 10	19 18.16	− 5 18.3	1.257	2.250	7.6	19.1
7 20	19 10.05	− 6 27.8	1.271	2.259	8.2	19.2
7 30	19 3.12	− 7 51.1	1.309	2.268	11.0	19.4
8 9	18 58.33	− 9 21.0	1.368	2.279	14.5	19.6
8 19	18 56.24	−10 50.9	1.447	2.290	17.7	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
470357 2007 RW_{313}			7 10.1 298°.81		0°.0/10.1 18	
	h m	° ′			°	m
6 10	19 40.39	−19 29.7	1.739	2.640	12.5	21.0
6 20	19 34.94	−20 16.9	1.652	2.616	8.9	20.7
6 30	19 27.28	−21 12.6	1.589	2.592	4.6	20.4
7 10	19 18.17	−22 12.7	1.551	2.568	0.0	19.9
7 20	19 8.62	−23 12.7	1.541	2.544	4.7	20.3
7 30	18 59.83	−24 8.5	1.556	2.520	9.2	20.5
8 9	18 52.91	−24 57.1	1.595	2.496	13.4	20.7
8 19	18 48.61	−25 37.6	1.654	2.473	16.9	20.9
397745 2008 FX_{23}			7 10.1 26°.65		0°.3/10.2 18	
6 10	19 38.90	−19 50.9	2.036	2.934	11.1	21.2
6 20	19 33.40	−20 19.3	1.974	2.936	7.8	21.0
6 30	19 26.24	−20 52.3	1.937	2.940	4.0	20.7
7 10	19 18.17	−21 27.2	1.926	2.943	0.3	20.4
7 20	19 10.05	−22 1.2	1.943	2.946	3.9	20.7
7 30	19 2.78	−22 32.0	1.986	2.950	7.6	21.0
8 9	18 57.14	−22 58.4	2.055	2.954	10.9	21.2
8 19	18 53.63	−23 19.9	2.144	2.958	13.7	21.4
173636 2001 FV_{107}			7 10.1 148°.93		3°.5/ 9.4 17	
6 10	19 47.63	−30 30.4	1.613	2.513	13.4	20.4
6 20	19 39.86	−30 49.6	1.557	2.518	9.6	20.2
6 30	19 29.67	−31 2.7	1.524	2.522	5.7	20.0
7 10	19 18.21	−31 5.1	1.517	2.527	3.5	19.9
7 20	19 6.83	−30 54.6	1.536	2.530	6.1	20.0
7 30	18 56.91	−30 31.6	1.581	2.534	10.0	20.3
8 9	18 49.50	−29 59.1	1.649	2.537	13.7	20.5
8 19	18 45.16	−29 20.5	1.736	2.540	16.8	20.7
22205 6703 *P–L*			7 10.1 173°.52		2°.1/10.8 18	
6 10	19 40.96	−15 45.1	1.823	2.715	12.5	19.4
6 20	19 34.95	−15 53.3	1.758	2.715	9.0	19.2
6 30	19 27.09	−16 9.6	1.717	2.715	5.1	19.0
7 10	19 18.19	−16 32.2	1.702	2.716	2.1	18.8
7 20	19 9.21	−16 58.7	1.714	2.716	4.5	18.9
7 30	19 1.19	−17 27.0	1.752	2.716	8.4	19.2
8 9	18 54.98	−17 55.0	1.814	2.716	12.0	19.4
8 19	18 51.13	−18 21.3	1.897	2.716	15.1	19.6
358187 2006 SR_{95}			7 10.1 263°.09		3°.1/11.2 18	
6 10	19 39.20	−12 42.0	2.148	3.029	11.4	21.5
6 20	19 33.58	−12 38.0	2.071	3.018	8.4	21.3
6 30	19 26.35	−12 42.8	2.017	3.008	5.3	21.0
7 10	19 18.20	−12 55.8	1.990	2.998	3.1	20.9
7 20	19 9.90	−13 15.6	1.990	2.987	4.6	21.0
7 30	19 2.32	−13 40.5	2.017	2.977	7.8	21.1
8 9	18 56.21	−14 8.5	2.069	2.966	11.0	21.3
8 19	18 52.11	−14 37.7	2.143	2.955	13.8	21.5
132447 2002 HH_{1}			7 10.1 144°.93		7°.5/12.4 18	
6 10	19 40.44	− 2 7.5	1.951	2.796	13.9	19.9
6 20	19 34.41	− 1 27.9	1.890	2.800	11.3	19.7
6 30	19 26.76	− 1 5.2	1.851	2.804	8.9	19.6
7 10	19 18.21	− 1 0.9	1.836	2.808	7.5	19.5
7 20	19 9.63	− 1 14.8	1.847	2.811	8.0	19.5
7 30	19 1.92	− 1 44.9	1.882	2.815	10.0	19.7
8 9	18 55.82	− 2 27.4	1.942	2.818	12.5	19.8
8 19	18 51.85	− 3 18.1	2.021	2.821	14.9	20.0
358456 2007 EP_{138}			7 10.1 151°.12		0°.0/10.1 18	
6 10	19 39.33	−21 3.8	2.604	3.494	9.3	22.0
6 20	19 33.41	−21 22.4	2.540	3.499	6.5	21.8
6 30	19 26.17	−21 43.3	2.502	3.504	3.3	21.6
7 10	19 18.21	−22 4.5	2.492	3.509	0.1	21.3
7 20	19 10.23	−22 24.4	2.511	3.513	3.2	21.6
7 30	19 2.95	−22 41.5	2.558	3.518	6.3	21.9
8 9	18 56.99	−22 55.4	2.632	3.522	9.1	22.0
8 19	18 52.78	−23 5.8	2.727	3.525	11.5	22.2
11995 1995 YB_{1}			7 10.1 65°.87		0°.6/10.4 18	
6 10	19 39.25	−18 56.4	2.103	2.998	11.0	17.8
6 20	19 33.56	−19 21.8	2.046	3.007	7.7	17.6
6 30	19 26.30	−19 52.0	2.014	3.016	4.0	17.4
7 10	19 18.21	−20 24.6	2.009	3.025	0.6	17.1
7 20	19 10.11	−20 57.1	2.031	3.035	3.7	17.4
7 30	19 2.88	−21 27.2	2.081	3.044	7.3	17.6
8 9	18 57.23	−21 53.7	2.155	3.053	10.5	17.9
8 19	18 53.63	−22 16.1	2.251	3.063	13.2	18.1
314034 2004 XW_{119}			7 10.1 169°.56		0°.3/10.2 17	
6 10	19 45.93	−20 56.1	1.763	2.657	12.8	21.8
6 20	19 38.47	−21 5.8	1.701	2.661	8.9	21.6
6 30	19 28.93	−21 18.5	1.663	2.665	4.6	21.3
7 10	19 18.25	−21 31.7	1.651	2.668	0.3	21.0
7 20	19 7.56	−21 42.9	1.667	2.670	4.5	21.3
7 30	18 58.01	−21 50.9	1.710	2.671	8.7	21.6
8 9	18 50.55	−21 55.5	1.777	2.672	12.5	21.8
8 19	18 45.74	−21 57.1	1.865	2.672	15.7	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
93346 2000 SO_{247}			7 10.1 273°.72		2°.5/ 9.3 18	
	h m	° ′			°	m
6 10	19 43.13	−26 35.9	1.663	2.568	12.8	19.5
6 20	19 36.78	−27 16.5	1.600	2.565	9.0	19.3
6 30	19 28.16	−27 56.7	1.561	2.563	5.0	19.0
7 10	19 18.25	−28 31.5	1.548	2.561	2.5	18.9
7 20	19 8.21	−28 57.2	1.561	2.558	5.5	19.1
7 30	18 59.32	−29 11.9	1.599	2.556	9.6	19.3
8 9	18 52.63	−29 16.1	1.660	2.554	13.3	19.5
8 19	18 48.75	−29 11.5	1.741	2.552	16.5	19.7
63252 2001 BL_{41}			7 10.1 269°.44		0°.2/10.3 10	C
6 10	19 26.78	−20 19.5	9.832	10.715	2.8	21.9
6 20	19 24.16	−20 20.5	9.745	10.700	1.9	21.8
6 30	19 21.25	−20 22.1	9.686	10.686	1.0	21.7
7 10	19 18.18	−20 24.1	9.656	10.672	0.2	21.6
7 20	19 15.10	−20 26.2	9.656	10.658	1.0	21.7
7 30	19 12.16	−20 28.2	9.685	10.643	1.9	21.8
8 9	19 9.49	−20 29.9	9.742	10.629	2.8	21.9
8 19	19 7.21	−20 31.2	9.825	10.615	3.6	21.9
390043 2012 UU_{59}			7 10.1 300°.09		1°.8/10.5 18	
6 10	19 41.26	−17 50.6	1.798	2.694	12.5	20.9
6 20	19 35.21	−17 39.6	1.730	2.690	8.9	20.6
6 30	19 27.26	−17 34.0	1.686	2.686	4.9	20.4
7 10	19 18.25	−17 32.6	1.667	2.682	1.8	20.2
7 20	19 9.16	−17 34.2	1.676	2.678	4.5	20.4
7 30	19 1.05	−17 37.6	1.710	2.674	8.5	20.6
8 9	18 54.79	−17 42.1	1.768	2.671	12.2	20.8
8 19	18 50.96	−17 46.8	1.847	2.667	15.4	21.0
249239 2008 HS_{35}			7 10.1 329°.34		9°.1/ 5.0 18	
6 10	19 46.44	−47 15.0	2.201	3.058	12.0	19.7
6 20	19 39.30	−48 48.9	2.151	3.056	10.3	19.5
6 30	19 29.59	−50 7.9	2.124	3.054	9.3	19.5
7 10	19 18.28	−51 4.9	2.122	3.052	9.2	19.5
7 20	19 6.70	−51 36.0	2.144	3.050	10.3	19.5
7 30	18 56.30	−51 40.8	2.189	3.048	12.0	19.6
8 9	18 48.30	−51 22.7	2.255	3.046	13.9	19.8
8 19	18 43.41	−50 47.0	2.338	3.045	15.6	19.9
100561 1997 GN_{18}			7 10.1 136°.81		1°.4/ 9.7 18	
6 10	19 42.27	−24 29.0	1.828	2.730	12.0	20.0
6 20	19 35.96	−24 57.9	1.767	2.731	8.4	19.8
6 30	19 27.66	−25 27.7	1.730	2.733	4.4	19.6
7 10	19 18.27	−25 54.6	1.719	2.734	1.4	19.3
7 20	19 8.81	−26 15.7	1.734	2.735	4.7	19.6
7 30	19 0.41	−26 29.5	1.777	2.736	8.6	19.8
8 9	18 53.95	−26 36.0	1.842	2.737	12.2	20.0
8 19	18 50.02	−26 36.0	1.929	2.739	15.2	20.3
399706 2004 TE_{302}			7 10.1 313°.73		5°.5/11.6 18	
6 10	19 38.08	− 7 7.9	2.129	2.993	12.1	20.6
6 20	19 32.78	− 6 32.3	2.055	2.985	9.5	20.4
6 30	19 25.95	− 6 8.3	2.004	2.977	7.0	20.2
7 10	19 18.25	− 5 57.1	1.979	2.968	5.5	20.1
7 20	19 10.45	− 5 58.7	1.980	2.961	6.3	20.1
7 30	19 3.36	− 6 11.9	2.007	2.953	8.7	20.3
8 9	18 57.70	− 6 34.6	2.058	2.945	11.4	20.4
8 19	18 53.99	− 7 3.8	2.130	2.938	14.0	20.6
283672 2002 PG_{176}			7 10.1 270°.50		3°.3/11.2 18	
6 10	19 40.06	−12 26.7	2.006	2.887	12.0	21.2
6 20	19 34.35	−12 27.7	1.922	2.870	8.9	21.0
6 30	19 26.86	−12 38.8	1.862	2.853	5.6	20.8
7 10	19 18.28	−12 59.1	1.828	2.836	3.3	20.6
7 20	19 9.45	−13 27.1	1.820	2.818	4.9	20.7
7 30	19 1.33	−14 0.4	1.840	2.800	8.3	20.8
8 9	18 54.79	−14 36.8	1.884	2.782	11.8	21.0
8 19	18 50.42	−15 13.8	1.949	2.764	14.9	21.2
323206 2003 SB_{2}			7 10.1 248°.02		4°.0/11.3 17	
6 10	19 42.60	−12 9.2	1.528	2.417	14.7	21.2
6 20	19 36.47	−12 7.8	1.457	2.409	10.9	20.9
6 30	19 28.06	−12 19.5	1.408	2.400	6.8	20.7
7 10	19 18.29	−12 43.3	1.383	2.392	4.0	20.5
7 20	19 8.29	−13 16.9	1.384	2.383	5.9	20.6
7 30	18 59.33	−13 57.2	1.411	2.374	10.0	20.8
8 9	18 52.48	−14 40.6	1.459	2.365	14.1	21.0
8 19	18 48.42	−15 24.3	1.528	2.355	17.7	21.2
72250 2001 AO_{29}			7 10.1 138°.48		4°.4/ 8.7 18	
6 10	19 46.71	−30 24.1	1.543	2.446	13.7	19.2
6 20	19 39.44	−31 24.3	1.490	2.452	9.9	19.0
6 30	19 29.60	−32 20.2	1.461	2.457	6.1	18.8
7 10	19 18.31	−33 4.8	1.457	2.463	4.5	18.7
7 20	19 6.97	−33 33.4	1.478	2.467	7.0	18.8
7 30	18 57.06	−33 44.8	1.525	2.472	10.8	19.1
8 9	18 49.72	−33 41.0	1.593	2.476	14.4	19.3
8 19	18 45.57	−33 25.5	1.681	2.480	17.5	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
158069 2000 UN_{17}			7 10.1 302°.64		0°.9/ 9.8 18	
	h m	° ′			°	m
6 10	19 41.57	−22 2.3	1.531	2.439	13.5	19.7
6 20	19 36.10	−22 41.1	1.443	2.410	9.6	19.4
6 30	19 28.07	−23 26.2	1.377	2.381	5.0	19.1
7 10	19 18.30	−24 13.3	1.336	2.352	0.9	18.7
7 20	19 7.96	−24 57.5	1.320	2.323	5.4	19.0
7 30	18 58.48	−25 35.0	1.330	2.295	10.4	19.2
8 9	18 51.16	−26 3.9	1.361	2.266	15.0	19.4
8 19	18 46.89	−26 24.2	1.412	2.238	18.9	19.6
371595 2006 WA_{101}			7 10.1 275°.91		1°.0/ 9.9 18	
6 10	19 44.08	−23 29.8	1.571	2.475	13.4	21.2
6 20	19 37.70	−23 50.7	1.490	2.456	9.5	20.9
6 30	19 28.81	−24 14.0	1.433	2.436	5.0	20.6
7 10	19 18.31	−24 35.9	1.400	2.416	1.0	20.3
7 20	19 7.44	−24 52.8	1.394	2.396	5.2	20.6
7 30	18 57.59	−25 2.8	1.413	2.376	10.0	20.8
8 9	18 50.00	−25 5.7	1.454	2.355	14.4	21.0
8 19	18 45.43	−25 2.7	1.515	2.335	18.2	21.2
428194 2006 UC_{133}			7 10.1 244°.74		2°.6/10.8 18	
6 10	19 43.28	−15 17.5	1.769	2.657	13.0	22.1
6 20	19 36.78	−15 14.5	1.689	2.644	9.5	21.9
6 30	19 28.19	−15 19.8	1.633	2.630	5.5	21.6
7 10	19 18.32	−15 32.1	1.603	2.616	2.6	21.4
7 20	19 8.19	−15 49.7	1.600	2.601	5.0	21.5
7 30	18 58.96	−16 10.7	1.623	2.585	9.1	21.7
8 9	18 51.62	−16 33.2	1.670	2.569	13.0	21.9
8 19	18 46.83	−16 55.7	1.737	2.553	16.4	22.1
425932 2011 GL_{58}			7 10.1 84°.10		6°.9/ 7.5 17	
6 10	19 46.45	−37 9.4	1.687	2.581	13.3	20.3
6 20	19 39.26	−38 29.4	1.643	2.591	10.2	20.1
6 30	19 29.51	−39 38.8	1.622	2.601	7.7	20.0
7 10	19 18.35	−40 30.1	1.626	2.611	7.0	20.0
7 20	19 7.16	−40 58.9	1.656	2.621	8.7	20.1
7 30	18 57.42	−41 4.7	1.709	2.631	11.5	20.3
8 9	18 50.26	−40 51.1	1.784	2.641	14.3	20.5
8 19	18 46.27	−40 22.7	1.878	2.651	16.8	20.7
477730 2010 TV_{34}			7 10.1 170°.65		4°.0/ 8.4 18	
6 10	19 41.77	−33 47.2	2.404	3.294	10.0	21.4
6 20	19 35.40	−34 29.0	2.343	3.295	7.3	21.3
6 30	19 27.33	−35 4.9	2.307	3.295	5.0	21.1
7 10	19 18.33	−35 31.3	2.298	3.296	4.1	21.1
7 20	19 9.27	−35 45.7	2.317	3.297	5.6	21.2
7 30	19 1.09	−35 47.3	2.362	3.297	8.2	21.3
8 9	18 54.57	−35 37.4	2.432	3.297	10.7	21.5
8 19	18 50.22	−35 18.3	2.523	3.297	13.0	21.7
283132 2008 WS_{96}			7 10.1 283°.94		2°.9/10.9 18	
6 10	19 41.89	−14 36.5	1.860	2.747	12.5	20.9
6 20	19 35.87	−14 25.3	1.766	2.719	9.2	20.6
6 30	19 27.78	−14 22.0	1.695	2.690	5.6	20.3
7 10	19 18.34	−14 26.2	1.650	2.661	3.0	20.1
7 20	19 8.51	−14 36.7	1.632	2.631	5.1	20.2
7 30	18 59.38	−14 52.1	1.640	2.601	9.1	20.4
8 9	18 51.96	−15 10.8	1.672	2.571	13.0	20.5
8 19	18 46.98	−15 31.2	1.724	2.540	16.4	20.7
331381 2012 EE_{2}			7 10.1 56°.92		1°.4/10.5 17	
6 10	19 43.62	−18 34.1	1.292	2.200	15.5	20.6
6 20	19 37.18	−18 38.4	1.249	2.215	10.9	20.4
6 30	19 28.36	−18 49.8	1.227	2.230	5.8	20.1
7 10	19 18.35	−19 5.6	1.229	2.245	1.4	19.9
7 20	19 8.50	−19 23.0	1.256	2.260	5.2	20.2
7 30	19 0.18	−19 39.7	1.307	2.276	10.1	20.5
8 9	18 54.40	−19 54.5	1.380	2.292	14.3	20.8
8 19	18 51.66	−20 6.6	1.471	2.308	17.8	21.1
429445 2010 VU_{111}			7 10.1 317°.56		0°.6/ 9.9 18	
6 10	19 40.28	−21 20.0	1.146	2.068	15.9	20.3
6 20	19 35.69	−21 53.5	1.070	2.044	11.3	20.0
6 30	19 28.06	−22 35.5	1.014	2.020	5.9	19.6
7 10	19 18.36	−23 21.2	0.981	1.997	0.6	19.2
7 20	19 8.06	−24 4.8	0.970	1.975	6.2	19.5
7 30	18 58.95	−24 41.7	0.981	1.954	12.1	19.7
8 9	18 52.60	−25 9.6	1.012	1.933	17.4	20.0
8 19	18 49.98	−25 28.2	1.059	1.914	21.9	20.2
43784 1989 XR_{1}			7 10.1 292°.35		0°.4/10.3 18	
6 10	19 40.65	−19 0.1	1.805	2.703	12.3	18.9
6 20	19 35.08	−19 36.3	1.718	2.681	8.7	18.6
6 30	19 27.40	−20 20.2	1.656	2.658	4.6	18.3
7 10	19 18.36	−21 8.5	1.619	2.636	0.4	17.9
7 20	19 8.92	−21 57.4	1.609	2.613	4.5	18.2
7 30	19 0.25	−22 43.4	1.626	2.590	8.9	18.4
8 9	18 53.37	−23 24.2	1.666	2.567	12.9	18.6
8 19	18 49.01	−23 58.6	1.727	2.545	16.3	18.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
480711 2015 RT_{12}			7 10.1 28°.27		0°.5/10.3 16	
	h m	° ′			°	m
6 10	19 39.40	−19 58.3	1.839	2.741	12.0	21.0
6 20	19 33.87	−20 11.9	1.783	2.747	8.4	20.8
6 30	19 26.58	−20 29.9	1.751	2.754	4.4	20.6
7 10	19 18.35	−20 49.8	1.744	2.761	0.5	20.3
7 20	19 10.12	−21 9.4	1.764	2.768	4.1	20.6
7 30	19 2.88	−21 27.0	1.810	2.776	8.0	20.9
8 9	18 57.44	−21 41.5	1.881	2.784	11.5	21.1
8 19	18 54.29	−21 52.5	1.971	2.793	14.5	21.3
509418 2007 EN_{44}			7 10.1 117°.51		0°.3/10.3 18	
6 10	19 39.46	−20 15.9	2.469	3.359	9.7	21.9
6 20	19 33.57	−20 31.5	2.409	3.368	6.8	21.8
6 30	19 26.31	−20 50.0	2.376	3.377	3.5	21.6
7 10	19 18.35	−21 9.5	2.369	3.386	0.3	21.3
7 20	19 10.39	−21 28.2	2.392	3.395	3.3	21.6
7 30	19 3.18	−21 44.8	2.442	3.403	6.5	21.8
8 9	18 57.35	−21 58.6	2.518	3.411	9.4	22.0
8 19	18 53.34	−22 9.4	2.617	3.419	11.8	22.2
391092 2005 UG_{310}			7 10.1 6°.49		0°.4/ 9.9 18	
6 10	19 39.75	−22 18.0	1.888	2.791	11.6	20.8
6 20	19 34.16	−22 38.9	1.826	2.791	8.1	20.6
6 30	19 26.76	−23 2.4	1.788	2.792	4.2	20.4
7 10	19 18.36	−23 25.6	1.776	2.793	0.4	20.1
7 20	19 9.90	−23 46.1	1.791	2.794	4.2	20.4
7 30	19 2.39	−24 2.0	1.832	2.795	8.1	20.6
8 9	18 56.68	−24 12.9	1.897	2.797	11.6	20.8
8 19	18 53.28	−24 18.9	1.982	2.799	14.6	21.0
288649 2004 PK_{45}			7 10.1 339°.90		5°.0/ 8.6 18	
6 10	19 42.80	−35 45.1	2.049	2.942	11.3	19.8
6 20	19 36.36	−36 18.4	1.988	2.938	8.5	19.6
6 30	19 27.92	−36 43.3	1.950	2.935	6.0	19.5
7 10	19 18.37	−36 55.6	1.938	2.933	5.0	19.4
7 20	19 8.80	−36 52.8	1.952	2.930	6.6	19.5
7 30	19 0.32	−36 34.9	1.992	2.928	9.4	19.7
8 9	18 53.84	−36 4.3	2.056	2.926	12.2	19.8
8 19	18 49.90	−35 24.3	2.139	2.924	14.7	20.0
279444 2010 RY_{46}			7 10.1 245°.23		4°.3/11.8 18	
6 10	19 38.10	− 8 17.9	2.381	3.245	11.0	21.1
6 20	19 32.70	− 8 6.2	2.306	3.239	8.5	21.0
6 30	19 25.92	− 8 5.2	2.256	3.233	5.9	20.8
7 10	19 18.36	− 8 15.0	2.231	3.227	4.4	20.7
7 20	19 10.69	− 8 34.5	2.234	3.221	5.2	20.7
7 30	19 3.67	− 9 2.2	2.264	3.215	7.6	20.9
8 9	18 57.95	− 9 35.8	2.319	3.208	10.2	21.0
8 19	18 53.98	−10 12.7	2.396	3.202	12.7	21.2
98370 2000 TW_{18}			7 10.1 170°.11		1°.0/ 9.8 17	
6 10	19 45.95	−23 24.8	1.702	2.601	12.9	20.6
6 20	19 38.65	−23 53.0	1.641	2.604	9.0	20.4
6 30	19 29.14	−24 23.0	1.604	2.607	4.7	20.1
7 10	19 18.40	−24 50.6	1.593	2.609	1.0	19.9
7 20	19 7.60	−25 12.6	1.610	2.611	4.8	20.1
7 30	18 57.98	−25 27.3	1.653	2.612	9.1	20.4
8 9	18 50.55	−25 34.8	1.719	2.613	13.0	20.6
8 19	18 45.90	−25 36.3	1.806	2.613	16.2	20.8
497770 2006 SF_{324}			7 10.1 216°.10		1°.6/10.7 17	
6 10	19 43.75	−16 38.8	2.027	2.912	11.8	22.7
6 20	19 36.91	−16 50.4	1.949	2.903	8.4	22.4
6 30	19 28.21	−17 8.8	1.895	2.894	4.7	22.2
7 10	19 18.39	−17 31.9	1.869	2.883	1.7	22.0
7 20	19 8.38	−17 57.5	1.871	2.872	4.2	22.1
7 30	18 59.18	−18 23.7	1.900	2.860	8.1	22.3
8 9	18 51.68	−18 48.8	1.954	2.848	11.6	22.5
8 19	18 46.48	−19 11.9	2.030	2.834	14.7	22.7
33118 Naiknaware			7 10.1 107°.30		0°.7/ 9.9 18	
6 10	19 43.68	−22 57.9	1.766	2.666	12.4	19.2
6 20	19 36.91	−23 20.2	1.713	2.677	8.7	19.0
6 30	19 28.17	−23 44.1	1.685	2.688	4.5	18.8
7 10	19 18.40	−24 6.4	1.682	2.698	0.7	18.5
7 20	19 8.69	−24 24.3	1.706	2.709	4.5	18.8
7 30	19 0.13	−24 36.4	1.757	2.719	8.5	19.1
8 9	18 53.61	−24 42.7	1.832	2.729	12.1	19.3
8 19	18 49.65	−24 44.0	1.927	2.738	15.1	19.6
366701 2003 WC_{67}			7 10.1 254°.31		1°.4/ 9.7 17	
6 10	19 45.01	−23 54.9	1.675	2.576	13.0	21.3
6 20	19 38.28	−24 28.3	1.596	2.559	9.1	21.1
6 30	19 29.12	−25 4.1	1.539	2.542	4.8	20.8
7 10	19 18.42	−25 38.1	1.509	2.525	1.4	20.5
7 20	19 7.35	−26 6.1	1.505	2.506	5.2	20.7
7 30	18 57.27	−26 25.9	1.528	2.488	9.7	20.9
8 9	18 49.34	−26 37.0	1.573	2.468	13.9	21.1
8 19	18 44.32	−26 40.5	1.639	2.449	17.4	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
103272 2000 AX_{30}			7 10.1 144°.10		2°.5/ 9.6 18	
	h m	° ′			°	m
6 10	19 45.43	−29 57.4	2.214	3.104	10.7	20.1
6 20	19 37.85	−30 1.4	2.156	3.112	7.6	19.9
6 30	19 28.56	−30 0.4	2.122	3.120	4.4	19.7
7 10	19 18.42	−29 51.9	2.117	3.127	2.5	19.6
7 20	19 8.38	−29 34.7	2.140	3.134	4.6	19.7
7 30	18 59.41	−29 9.3	2.190	3.141	7.8	19.9
8 9	18 52.29	−28 37.6	2.266	3.147	10.8	20.1
8 19	18 47.48	−28 1.8	2.364	3.153	13.3	20.3
398897 2013 CL_{121}			7 10.1 91°.11		1°.6/ 9.3 18	
6 10	19 41.19	−24 13.5	2.275	3.169	10.3	21.1
6 20	19 34.94	−25 17.5	2.223	3.185	7.1	21.0
6 30	19 27.10	−26 22.6	2.198	3.200	3.8	20.8
7 10	19 18.40	−27 24.5	2.201	3.215	1.6	20.7
7 20	19 9.66	−28 19.7	2.233	3.230	4.2	20.9
7 30	19 1.76	−29 5.6	2.292	3.244	7.4	21.1
8 9	18 55.43	−29 41.7	2.377	3.259	10.3	21.3
8 19	18 51.17	−30 8.3	2.484	3.273	12.7	21.5
217221 2002 VB_{84}			7 10.1 277°.48		1°.6/10.7 18	
6 10	19 42.40	−16 47.4	1.601	2.498	13.6	20.6
6 20	19 36.48	−17 7.5	1.518	2.479	9.8	20.3
6 30	19 28.21	−17 37.2	1.458	2.459	5.5	20.0
7 10	19 18.43	−18 13.9	1.423	2.438	1.7	19.7
7 20	19 8.25	−18 54.3	1.414	2.418	5.0	19.9
7 30	18 58.94	−19 35.0	1.431	2.397	9.7	20.1
8 9	18 51.68	−20 13.4	1.470	2.376	14.0	20.3
8 19	18 47.22	−20 47.8	1.530	2.355	17.8	20.5
287318 2002 TZ_{262}			7 10.1 305°.14		2°.3/ 9.5 18	
6 10	19 41.99	−27 11.2	1.764	2.669	12.2	20.5
6 20	19 36.01	−27 32.4	1.691	2.656	8.6	20.3
6 30	19 27.86	−27 52.0	1.641	2.643	4.8	20.0
7 10	19 18.43	−28 6.3	1.617	2.630	2.3	19.8
7 20	19 8.81	−28 12.5	1.619	2.618	5.2	20.0
7 30	19 0.21	−28 9.5	1.647	2.606	9.2	20.2
8 9	18 53.65	−27 58.2	1.698	2.594	13.0	20.4
8 19	18 49.77	−27 40.3	1.769	2.582	16.2	20.6
184927 2005 UZ_{523}			7 10.1 49°.15		9°.0/14.4 18	
6 10	19 37.80	+ 3 38.2	1.962	2.782	14.7	20.1
6 20	19 32.59	+ 4 4.4	1.911	2.795	12.4	20.0
6 30	19 25.88	+ 4 8.8	1.881	2.809	10.4	19.9
7 10	19 18.40	+ 3 50.3	1.874	2.823	9.1	19.8
7 20	19 10.95	+ 3 9.9	1.891	2.837	9.2	19.9
7 30	19 4.36	+ 2 10.9	1.933	2.852	10.5	20.0
8 9	18 59.31	+ 0 58.5	1.997	2.866	12.5	20.1
8 19	18 56.25	− 0 21.8	2.082	2.881	14.6	20.3
316080 2009 KD			7 10.1 77°.26		0°.2/10.1 17	
6 10	19 43.64	−19 49.3	1.367	2.274	14.8	20.2
6 20	19 37.38	−20 38.2	1.313	2.280	10.4	19.9
6 30	19 28.62	−21 34.6	1.282	2.286	5.4	19.7
7 10	19 18.46	−22 33.2	1.275	2.292	0.2	19.3
7 20	19 8.21	−23 28.5	1.294	2.298	5.2	19.7
7 30	18 59.31	−24 16.4	1.337	2.304	10.1	20.0
8 9	18 52.89	−24 55.0	1.403	2.310	14.5	20.3
8 19	18 49.57	−25 24.2	1.488	2.316	18.0	20.5
2560 Siegma			7 10.1 219°.90		2°.1/10.9 18	
6 10	19 40.44	−15 6.5	1.942	2.831	12.0	16.3
6 20	19 34.61	−15 20.8	1.874	2.829	8.7	16.1
6 30	19 27.02	−15 43.6	1.830	2.827	5.0	15.9
7 10	19 18.44	−16 13.1	1.812	2.825	2.2	15.7
7 20	19 9.74	−16 46.7	1.821	2.823	4.3	15.8
7 30	19 1.90	−17 22.1	1.857	2.821	8.0	16.1
8 9	18 55.73	−17 56.9	1.917	2.818	11.5	16.3
8 19	18 51.78	−18 29.6	1.999	2.816	14.5	16.5
129458 1992 EQ_6			7 10.2 148°.93		1°.5/10.7 18	
6 10	19 43.84	−16 35.1	1.435	2.335	14.8	19.5
6 20	19 37.43	−17 8.0	1.376	2.338	10.5	19.2
6 30	19 28.63	−17 51.3	1.339	2.341	5.7	18.9
7 10	19 18.46	−18 41.2	1.327	2.343	1.5	18.7
7 20	19 8.17	−19 33.1	1.341	2.345	5.1	18.9
7 30	18 59.11	−20 22.9	1.380	2.347	9.8	19.2
8 9	18 52.38	−21 7.8	1.442	2.349	14.1	19.5
8 19	18 48.63	−21 46.3	1.523	2.351	17.7	19.7
501869 2014 WV_{286}			7 10.2 201°.06		2°.8/10.9 17	
6 10	19 43.71	−14 26.4	1.629	2.518	13.9	22.0
6 20	19 37.15	−14 31.3	1.562	2.516	10.1	21.7
6 30	19 28.43	−14 46.3	1.517	2.514	5.9	21.5
7 10	19 18.46	−15 9.8	1.499	2.511	2.9	21.3
7 20	19 8.35	−15 39.2	1.506	2.507	5.2	21.4
7 30	18 59.30	−16 11.9	1.540	2.503	9.3	21.6
8 9	18 52.30	−16 45.4	1.597	2.499	13.3	21.9
8 19	18 47.99	−17 17.6	1.674	2.494	16.7	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
225816 2001 WZ_9			7 10.2 249°.58		0°.4/10.3 18	
	h m	° ′			°	m
6 10	19 42.67	−19 26.6	1.869	2.764	12.1	20.6
6 20	19 36.39	−19 54.9	1.789	2.750	8.6	20.3
6 30	19 28.06	−20 29.2	1.734	2.736	4.5	20.1
7 10	19 18.47	−21 6.5	1.705	2.721	0.4	19.7
7 20	19 8.60	−21 43.3	1.703	2.706	4.3	20.0
7 30	18 59.56	−22 17.2	1.728	2.691	8.6	20.2
8 9	18 52.34	−22 46.3	1.778	2.675	12.4	20.4
8 19	18 47.60	−23 10.2	1.848	2.659	15.7	20.6
212726 2007 RD_{145}			7 10.2 278°.07		3°.1/10.8 18	
6 10	19 43.48	−15 12.7	1.408	2.306	15.1	20.6
6 20	19 37.43	−15 4.4	1.328	2.288	11.0	20.3
6 30	19 28.79	−15 6.1	1.271	2.269	6.5	20.0
7 10	19 18.48	−15 17.0	1.237	2.250	3.1	19.7
7 20	19 7.76	−15 35.2	1.228	2.230	5.9	19.9
7 30	18 58.08	−15 58.3	1.244	2.211	10.7	20.1
8 9	18 50.71	−16 24.0	1.282	2.191	15.3	20.3
8 19	18 46.44	−16 50.1	1.338	2.172	19.4	20.5
507681 2013 SE_{53}			7 10.2 313°.02		0°.6/10.3 17	
6 10	19 40.96	−19 43.6	1.272	2.186	15.2	21.2
6 20	19 35.91	−20 2.3	1.196	2.165	10.9	20.8
6 30	19 28.10	−20 29.2	1.140	2.145	5.8	20.5
7 10	19 18.47	−21 0.9	1.108	2.125	0.6	20.1
7 20	19 8.39	−21 33.2	1.100	2.106	5.6	20.4
7 30	18 59.44	−22 2.8	1.115	2.087	11.1	20.6
8 9	18 52.99	−22 27.4	1.151	2.069	16.1	20.9
8 19	18 49.91	−22 46.4	1.205	2.052	20.3	21.1
437584 2014 AZ_{43}			7 10.2 263°.51		2°.5/11.1 18	
6 10	19 41.21	−13 48.6	1.929	2.814	12.3	21.5
6 20	19 35.32	−14 8.9	1.844	2.796	9.0	21.3
6 30	19 27.50	−14 39.7	1.783	2.778	5.3	21.0
7 10	19 18.47	−15 19.2	1.748	2.759	2.5	20.8
7 20	19 9.13	−16 4.8	1.740	2.741	4.6	20.9
7 30	19 0.51	−16 53.2	1.759	2.722	8.4	21.1
8 9	18 53.54	−17 41.6	1.803	2.702	12.2	21.3
8 19	18 48.89	−18 27.7	1.867	2.683	15.4	21.4
325158 2008 FW_{19}			7 10.2 11°.76		1°.0/10.3 17	
6 10	19 40.15	−20 15.5	1.092	2.015	16.4	20.1
6 20	19 35.21	−20 11.0	1.044	2.018	11.6	19.8
6 30	19 27.57	−20 12.6	1.016	2.021	6.1	19.5
7 10	19 18.46	−20 17.8	1.010	2.027	1.0	19.2
7 20	19 9.40	−20 24.0	1.027	2.033	5.7	19.6
7 30	19 1.94	−20 29.4	1.066	2.041	11.0	19.9
8 9	18 57.23	−20 33.1	1.125	2.049	15.7	20.2
8 19	18 55.86	−20 34.6	1.201	2.059	19.7	20.5
362993 2013 CU_{130}			7 10.2 22°.82		6°.9/ 8.5 18	
6 10	19 46.78	−42 50.2	2.153	3.024	11.7	20.8
6 20	19 39.12	−43 16.7	2.097	3.025	9.4	20.6
6 30	19 29.34	−43 29.1	2.065	3.027	7.6	20.5
7 10	19 18.49	−43 23.1	2.058	3.028	7.0	20.5
7 20	19 7.77	−42 56.9	2.077	3.030	8.0	20.6
7 30	18 58.39	−42 11.9	2.121	3.032	10.1	20.7
8 9	18 51.26	−41 12.3	2.188	3.034	12.5	20.9
8 19	18 46.90	−40 2.8	2.276	3.036	14.6	21.0
474260 2001 SA_{321}			7 10.2 279°.43		0°.2/10.1 18	
6 10	19 41.05	−21 57.9	2.086	2.982	11.0	21.9
6 20	19 35.14	−22 14.8	2.000	2.962	7.7	21.6
6 30	19 27.37	−22 34.5	1.938	2.941	4.0	21.3
7 10	19 18.47	−22 54.5	1.904	2.920	0.2	21.0
7 20	19 9.30	−23 12.4	1.896	2.899	4.0	21.3
7 30	19 0.86	−23 26.5	1.916	2.878	8.0	21.5
8 9	18 54.04	−23 36.3	1.961	2.856	11.5	21.6
8 19	18 49.47	−23 41.9	2.027	2.835	14.6	21.8
344722 2003 UY_{80}			7 10.2 275°.67		2°.5/ 9.1 18	
6 10	19 42.36	−26 15.2	1.883	2.784	11.7	20.5
6 20	19 36.30	−27 12.7	1.805	2.769	8.3	20.3
6 30	19 28.08	−28 11.8	1.751	2.752	4.6	20.0
7 10	19 18.48	−29 7.2	1.724	2.736	2.6	19.8
7 20	19 8.55	−29 54.4	1.724	2.720	5.4	20.0
7 30	18 59.45	−30 30.4	1.750	2.703	9.2	20.2
8 9	18 52.25	−30 54.4	1.800	2.687	12.8	20.4
8 19	18 47.66	−31 7.7	1.870	2.670	15.9	20.6
10836 1994 CS_2			7 10.2 176°.80		3°.4/11.7 18	
6 10	19 41.39	−10 20.0	1.935	2.809	12.7	17.5
6 20	19 35.27	−10 52.4	1.867	2.810	9.4	17.3
6 30	19 27.39	−11 38.2	1.822	2.811	6.0	17.1
7 10	19 18.47	−12 35.2	1.804	2.812	3.5	17.0
7 20	19 9.43	−13 40.0	1.814	2.812	4.9	17.1
7 30	19 1.21	−14 48.5	1.851	2.812	8.2	17.3
8 9	18 54.67	−15 56.7	1.913	2.812	11.6	17.5
8 19	18 50.36	−17 1.7	1.997	2.811	14.6	17.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
308038 2004 SJ_{43}			7 10.2 210°.73		1°.2/ 9.9 17	
	h m	° ′			°	m
6 10	19 47.19	−24 44.8	1.531	2.433	13.9	20.8
6 20	19 39.79	−24 54.4	1.465	2.429	9.8	20.6
6 30	19 29.87	−25 3.6	1.421	2.424	5.1	20.3
7 10	19 18.52	−25 8.8	1.404	2.420	1.2	20.0
7 20	19 7.05	−25 7.6	1.412	2.414	5.3	20.3
7 30	18 56.89	−24 59.2	1.446	2.408	10.0	20.6
8 9	18 49.19	−24 44.8	1.503	2.402	14.2	20.8
8 19	18 44.59	−24 26.4	1.580	2.395	17.7	21.0
516302 2016 XQ_{6}			7 10.2 280°.66		6°.0/ 7.4 18	
6 10	19 43.60	−37 29.4	2.146	3.033	11.1	21.0
6 20	19 37.15	−38 35.3	2.074	3.018	8.6	20.8
6 30	19 28.50	−39 33.5	2.026	3.003	6.6	20.6
7 10	19 18.50	−40 18.4	2.004	2.988	6.1	20.6
7 20	19 8.20	−40 45.7	2.009	2.972	7.6	20.6
7 30	18 58.82	−40 54.1	2.039	2.957	10.1	20.8
8 9	18 51.39	−40 45.4	2.092	2.942	12.8	20.9
8 19	18 46.62	−40 22.8	2.165	2.927	15.2	21.0
246566 2008 SQ_{194}			7 10.2 289°.61		3°.5/11.0 18	
6 10	19 41.28	−13 33.5	1.721	2.610	13.3	20.0
6 20	19 35.57	−13 21.7	1.632	2.585	9.9	19.8
6 30	19 27.72	−13 19.7	1.567	2.561	6.1	19.5
7 10	19 18.49	−13 26.9	1.526	2.536	3.5	19.3
7 20	19 8.89	−13 42.4	1.512	2.511	5.5	19.3
7 30	19 0.06	−14 4.3	1.523	2.486	9.5	19.5
8 9	18 53.07	−14 30.3	1.557	2.461	13.5	19.7
8 19	18 48.63	−14 58.3	1.612	2.436	17.1	19.9
475654 2006 UL_{334}			7 10.2 231°.89		6°.2/ 6.8 18	
6 10	19 45.10	−40 38.7	2.524	3.395	10.2	22.0
6 20	19 38.01	−41 49.2	2.455	3.385	8.2	21.9
6 30	19 28.89	−42 50.5	2.412	3.374	6.6	21.8
7 10	19 18.51	−43 37.5	2.396	3.363	6.3	21.7
7 20	19 7.86	−44 6.5	2.407	3.352	7.5	21.8
7 30	18 58.06	−44 16.5	2.444	3.340	9.6	21.9
8 9	18 50.05	−44 9.4	2.503	3.328	11.7	22.0
8 19	18 44.48	−43 48.4	2.583	3.316	13.7	22.2
327195 2005 MU_{30}			7 10.2 2°.50		0°.4/10.2 17	
6 10	19 40.25	−21 45.5	1.084	2.008	16.4	20.0
6 20	19 35.38	−21 36.3	1.032	2.006	11.5	19.7
6 30	19 27.71	−21 30.7	1.000	2.006	6.0	19.4
7 10	19 18.49	−21 26.6	0.990	2.006	0.4	19.0
7 20	19 9.26	−21 21.7	1.002	2.008	5.8	19.4
7 30	19 1.62	−21 15.1	1.036	2.011	11.2	19.7
8 9	18 56.81	−21 6.8	1.091	2.016	16.1	20.0
8 19	18 55.41	−20 57.0	1.162	2.021	20.1	20.3
335795 2007 GT_{60}			7 10.2 357°.27		4°.9/11.1 17	
6 10	19 39.96	−12 33.3	1.343	2.244	15.5	20.4
6 20	19 34.76	−11 54.8	1.284	2.241	11.6	20.2
6 30	19 27.27	−11 28.2	1.246	2.239	7.5	20.0
7 10	19 18.50	−11 14.7	1.231	2.237	5.0	19.8
7 20	19 9.67	−11 13.7	1.240	2.237	6.7	19.9
7 30	19 2.05	−11 23.8	1.272	2.237	10.7	20.1
8 9	18 56.69	−11 42.0	1.325	2.238	14.7	20.4
8 19	18 54.18	−12 5.3	1.397	2.240	18.2	20.6
26801 1981 EC_{14}			7 10.2 38°.13		1°.6/ 9.8 18	
6 10	19 44.44	−25 37.3	1.375	2.286	14.5	18.7
6 20	19 37.90	−25 46.4	1.323	2.291	10.2	18.5
6 30	19 28.88	−25 54.3	1.293	2.297	5.4	18.2
7 10	19 18.53	−25 57.4	1.288	2.303	1.6	18.0
7 20	19 8.26	−25 53.2	1.307	2.309	5.5	18.2
7 30	18 59.49	−25 41.6	1.350	2.316	10.2	18.5
8 9	18 53.29	−25 23.8	1.416	2.323	14.4	18.8
8 19	18 50.22	−25 2.0	1.500	2.330	17.8	19.0
449444 2013 JH			7 10.2 107°.58		4°.0/ 8.0 18	
6 10	19 41.33	−32 9.8	2.351	3.244	10.0	20.3
6 20	19 35.24	−33 18.2	2.291	3.245	7.3	20.1
6 30	19 27.39	−34 22.7	2.256	3.246	4.9	19.9
7 10	19 18.52	−35 18.6	2.248	3.247	4.1	19.9
7 20	19 9.49	−36 2.2	2.268	3.247	5.8	20.0
7 30	19 1.26	−36 31.8	2.315	3.248	8.4	20.2
8 9	18 54.67	−36 47.9	2.387	3.249	11.0	20.3
8 19	18 50.26	−36 52.3	2.479	3.250	13.3	20.5
352238 2007 TB_{132}			7 10.2 306°.52		2°.3/ 9.4 18	
6 10	19 41.66	−26 33.0	1.724	2.630	12.4	20.6
6 20	19 35.87	−27 6.8	1.652	2.617	8.7	20.4
6 30	19 27.87	−27 40.4	1.602	2.604	4.8	20.1
7 10	19 18.53	−28 9.5	1.579	2.592	2.3	19.9
7 20	19 8.96	−28 30.6	1.581	2.580	5.3	20.1
7 30	19 0.40	−28 41.7	1.609	2.568	9.4	20.3
8 9	18 53.89	−28 43.3	1.660	2.556	13.2	20.5
8 19	18 50.10	−28 36.6	1.730	2.545	16.5	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
190015 2004 NA_{27}			7 10.2 355°.68		1°.6/10.5 17	
	h m	° ′			°	m
6 10	19 40.06	−19 0.8	1.237	2.152	15.4	19.6
6 20	19 35.05	−18 52.4	1.179	2.148	11.0	19.3
6 30	19 27.51	−18 50.8	1.141	2.145	6.0	19.0
7 10	19 18.53	−18 54.2	1.127	2.143	1.6	18.7
7 20	19 9.46	−19 0.4	1.136	2.141	5.5	19.0
7 30	19 1.75	−19 7.7	1.168	2.141	10.5	19.3
8 9	18 56.55	−19 14.8	1.222	2.142	15.1	19.5
8 19	18 54.48	−19 20.8	1.293	2.144	18.9	19.8
153637 2001 TS_{76}			7 10.2 265°.11		1°.1/ 9.8 18	
6 10	19 41.13	−24 31.1	2.155	3.052	10.6	20.0
6 20	19 35.13	−24 54.1	2.078	3.040	7.5	19.7
6 30	19 27.35	−25 17.8	2.026	3.028	3.9	19.5
7 10	19 18.54	−25 39.3	2.001	3.016	1.2	19.3
7 20	19 9.55	−25 56.3	2.004	3.004	4.1	19.5
7 30	19 1.36	−26 7.2	2.034	2.992	7.8	19.7
8 9	18 54.79	−26 12.0	2.088	2.980	11.1	19.9
8 19	18 50.41	−26 11.2	2.164	2.967	13.9	20.0
353005 2009 BQ_{143}			7 10.2 323°.59		1°.5/10.7 18	
6 10	19 39.43	−16 49.2	1.656	2.556	13.1	20.3
6 20	19 34.25	−17 10.7	1.584	2.546	9.4	20.0
6 30	19 27.01	−17 41.1	1.535	2.536	5.2	19.8
7 10	19 18.53	−18 18.0	1.511	2.527	1.6	19.5
7 20	19 9.84	−18 58.1	1.513	2.517	4.6	19.7
7 30	19 2.08	−19 38.3	1.541	2.509	8.9	19.9
8 9	18 56.22	−20 16.0	1.591	2.500	12.9	20.2
8 19	18 52.92	−20 49.6	1.662	2.492	16.3	20.4
428158 2006 SX_{279}			7 10.2 279°.64		2°.9/10.7 18	
6 10	19 43.33	−16 9.8	1.493	2.391	14.4	21.0
6 20	19 37.15	−15 49.3	1.418	2.377	10.5	20.7
6 30	19 28.59	−15 36.3	1.365	2.363	6.1	20.4
7 10	19 18.57	−15 30.4	1.337	2.350	2.9	20.2
7 20	19 8.29	−15 30.5	1.334	2.336	5.6	20.3
7 30	18 59.09	−15 35.4	1.356	2.322	10.1	20.5
8 9	18 52.09	−15 43.8	1.401	2.308	14.5	20.8
8 19	18 48.00	−15 54.2	1.464	2.294	18.2	21.0
506612 2006 DU_{6}			7 10.2 205°.80		0°.6/ 9.9 18	
6 10	19 43.07	−22 35.9	2.074	2.968	11.1	21.9
6 20	19 36.48	−23 2.9	2.003	2.964	7.8	21.7
6 30	19 28.05	−23 32.1	1.957	2.959	4.0	21.5
7 10	19 18.56	−24 0.5	1.938	2.954	0.6	21.2
7 20	19 8.94	−24 25.3	1.947	2.949	4.1	21.5
7 30	19 0.18	−24 44.8	1.983	2.943	7.9	21.7
8 9	18 53.13	−24 58.5	2.045	2.936	11.3	21.9
8 19	18 48.38	−25 6.7	2.128	2.929	14.2	22.1
87429 2000 QM_{103}			7 10.2 291°.34		0°.5/10.0 18	
6 10	19 40.51	−22 48.8	2.048	2.946	11.0	19.6
6 20	19 34.71	−23 4.6	1.976	2.939	7.7	19.4
6 30	19 27.14	−23 22.2	1.928	2.931	4.0	19.1
7 10	19 18.55	−23 39.1	1.907	2.924	0.5	18.8
7 20	19 9.85	−23 53.1	1.914	2.916	4.0	19.1
7 30	19 1.98	−24 2.9	1.947	2.909	7.8	19.3
8 9	18 55.79	−24 8.1	2.005	2.902	11.2	19.5
8 19	18 51.83	−24 9.0	2.084	2.895	14.2	19.7
277399 2005 UB_{164}			7 10.2 207°.30		0°.6/ 9.9 17	
6 10	19 44.12	−23 7.2	1.994	2.888	11.5	21.9
6 20	19 37.25	−23 23.2	1.923	2.884	8.1	21.7
6 30	19 28.47	−23 40.6	1.876	2.879	4.2	21.4
7 10	19 18.58	−23 56.4	1.857	2.873	0.6	21.1
7 20	19 8.58	−24 8.5	1.865	2.867	4.2	21.4
7 30	18 59.52	−24 15.5	1.901	2.860	8.1	21.6
8 9	18 52.27	−24 17.5	1.961	2.853	11.7	21.9
8 19	18 47.43	−24 15.1	2.042	2.846	14.7	22.0
137664 1999 XJ_{22}			7 10.2 307°.17		4°.0/10.9 18	
6 10	19 41.21	−14 15.8	1.284	2.188	15.8	19.5
6 20	19 36.10	−13 57.7	1.201	2.162	11.8	19.2
6 30	19 28.26	−13 51.0	1.139	2.136	7.3	18.9
7 10	19 18.58	−13 55.7	1.099	2.110	4.0	18.6
7 20	19 8.36	−14 10.8	1.083	2.085	6.5	18.7
7 30	18 59.14	−14 34.0	1.090	2.060	11.5	18.9
8 9	18 52.30	−15 2.4	1.118	2.036	16.4	19.1
8 19	18 48.74	−15 33.2	1.163	2.012	20.8	19.3
492279 2013 XX_{18}			7 10.2 106°.00		9°.3/ 9.5 18	
6 10	19 53.72	−11 54.7	0.978	1.875	20.2	20.2
6 20	19 44.79	− 9 17.9	0.928	1.879	15.6	20.0
6 30	19 32.58	− 6 50.3	0.899	1.884	11.2	19.7
7 10	19 18.67	− 4 41.9	0.893	1.888	9.3	19.7
7 20	19 4.95	− 3 1.4	0.910	1.892	11.6	19.8
7 30	18 53.35	− 1 53.0	0.949	1.896	15.8	20.0
8 9	18 45.19	− 1 14.9	1.007	1.899	20.1	20.3
8 19	18 41.05	− 1 1.2	1.080	1.903	23.7	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
469953 2006 BB_{171}			7 10.2 126°.13	4°.0/12.1 17		
	h m	° ′			°	m
6 10	19 41.09	− 8 53.3	1.818	2.691	13.4	21.5
6 20	19 35.15	− 9 28.3	1.754	2.696	10.1	21.3
6 30	19 27.39	−10 18.9	1.714	2.700	6.6	21.1
7 10	19 18.58	−11 22.6	1.700	2.705	4.1	21.0
7 20	19 9.67	−12 35.6	1.712	2.709	5.3	21.1
7 30	19 1.66	−13 53.1	1.752	2.713	8.6	21.3
8 9	18 55.41	−15 10.7	1.816	2.717	12.0	21.5
8 19	18 51.46	−16 24.5	1.902	2.721	15.0	21.7
203978 2003 SV_{218}			7 10.2 228°.28	1°.8/ 9.5 18		
6 10	19 42.78	−26 10.0	2.183	3.078	10.6	21.1
6 20	19 36.28	−26 39.9	2.108	3.069	7.5	20.9
6 30	19 27.97	−27 9.2	2.059	3.060	4.1	20.7
7 10	19 18.60	−27 34.7	2.037	3.051	1.8	20.5
7 20	19 9.06	−27 53.7	2.043	3.041	4.4	20.7
7 30	19 0.35	−28 4.8	2.077	3.031	7.9	20.9
8 9	18 53.32	−28 8.1	2.135	3.021	11.1	21.0
8 19	18 48.53	−28 4.9	2.214	3.010	13.9	21.2
253732 2003 WW_{21}			7 10.2 215°.87	10°.2/ 4.4 18		
6 10	19 54.58	−46 42.4	1.957	2.812	13.4	21.0
6 20	19 45.72	−48 45.9	1.899	2.804	11.5	20.8
6 30	19 33.41	−50 34.2	1.865	2.794	10.3	20.7
7 10	19 18.74	−51 56.9	1.856	2.785	10.4	20.7
7 20	19 3.33	−52 47.5	1.871	2.774	11.8	20.8
7 30	18 49.19	−53 4.7	1.910	2.763	13.8	20.9
8 9	18 38.01	−52 53.2	1.970	2.750	16.0	21.0
8 19	18 30.79	−52 20.1	2.045	2.737	18.0	21.2
439754 2015 FD_{327}			7 10.2 29°.47	1°.1/10.6 17		
6 10	19 40.70	−17 25.2	1.547	2.449	13.7	20.7
6 20	19 35.14	−18 0.4	1.491	2.454	9.7	20.5
6 30	19 27.48	−18 44.6	1.457	2.459	5.2	20.2
7 10	19 18.62	−19 34.0	1.448	2.464	1.1	19.9
7 20	19 9.70	−20 24.4	1.465	2.470	4.6	20.2
7 30	19 1.90	−21 12.0	1.508	2.476	9.1	20.5
8 9	18 56.17	−21 54.4	1.573	2.482	13.1	20.7
8 19	18 53.12	−22 30.2	1.659	2.489	16.4	21.0
360968 2005 UJ_{197}			7 10.2 238°.76	0°.5/ 9.9 18		
6 10	19 39.93	−22 43.5	2.451	3.343	9.7	21.8
6 20	19 34.11	−23 4.3	2.376	3.336	6.8	21.6
6 30	19 26.79	−23 26.9	2.326	3.328	3.5	21.4
7 10	19 18.62	−23 48.9	2.304	3.321	0.5	21.1
7 20	19 10.32	−24 8.2	2.311	3.313	3.5	21.4
7 30	19 2.72	−24 23.5	2.345	3.305	6.8	21.6
8 9	18 56.50	−24 34.3	2.405	3.296	9.9	21.7
8 19	18 52.18	−24 40.8	2.488	3.288	12.4	21.9
519201 2010 PU_{81}			7 10.2 31°.88	0°.1/10.1 18		
6 10	19 39.95	−21 20.9	1.981	2.880	11.3	21.2
6 20	19 34.29	−21 42.5	1.921	2.884	7.9	21.0
6 30	19 26.92	−22 7.3	1.885	2.888	4.1	20.7
7 10	19 18.62	−22 32.6	1.875	2.892	0.1	20.4
7 20	19 10.27	−22 56.0	1.893	2.896	4.0	20.8
7 30	19 2.84	−23 15.6	1.937	2.900	7.7	21.0
8 9	18 57.10	−23 30.7	2.005	2.905	11.1	21.2
8 19	18 53.57	−23 41.2	2.095	2.909	14.0	21.4
33729 1999 NJ_{21}			7 10.2 31°.24	3°.0/ 8.9 18		
6 10	19 42.03	−24 36.4	1.367	2.281	14.4	16.4
6 20	19 36.40	−26 5.9	1.320	2.289	10.0	16.1
6 30	19 28.25	−27 38.5	1.295	2.298	5.5	15.9
7 10	19 18.64	−29 6.1	1.296	2.308	3.0	15.8
7 20	19 8.95	−30 21.3	1.321	2.319	6.4	16.0
7 30	19 0.59	−31 19.7	1.371	2.329	10.8	16.3
8 9	18 54.74	−32 0.6	1.443	2.341	14.7	16.6
8 19	18 52.03	−32 25.7	1.533	2.353	18.0	16.8
38534 1999 UQ_{39}			7 10.2 37°.34	9°.4/ 6.9 18		
6 10	19 46.87	−46 21.3	1.875	2.742	13.4	18.6
6 20	19 39.67	−47 33.1	1.837	2.753	11.2	18.5
6 30	19 29.87	−48 27.0	1.821	2.764	9.7	18.4
7 10	19 18.67	−48 56.7	1.829	2.775	9.5	18.5
7 20	19 7.56	−48 59.3	1.860	2.787	10.5	18.5
7 30	18 58.03	−48 35.9	1.915	2.799	12.4	18.7
8 9	18 51.20	−47 51.5	1.990	2.812	14.4	18.9
8 19	18 47.61	−46 52.0	2.083	2.824	16.3	19.0
72121 2000 YT_{63}			7 10.2 252°.77	1°.6/ 9.9 18		
6 10	19 46.45	−25 51.8	1.548	2.451	13.7	19.6
6 20	19 39.38	−25 56.9	1.476	2.441	9.7	19.3
6 30	19 29.78	−26 0.4	1.427	2.430	5.2	19.0
7 10	19 18.69	−25 58.8	1.404	2.419	1.6	18.8
7 20	19 7.42	−25 49.6	1.407	2.409	5.3	19.0
7 30	18 57.39	−25 32.7	1.435	2.397	10.0	19.2
8 9	18 49.78	−25 9.6	1.486	2.386	14.2	19.5
8 19	18 45.26	−24 42.6	1.556	2.374	17.8	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
440678 2005 YU_{33}			7 10.2 214°.63	0°.1/10.2 17		
	h m	° ′			°	m
6 10	19 41.97	−22 55.5	2.658	3.545	9.2	22.0
6 20	19 35.34	−22 36.0	2.583	3.540	6.5	21.8
6 30	19 27.36	−22 15.9	2.534	3.536	3.4	21.6
7 10	19 18.65	−21 54.7	2.514	3.531	0.1	21.3
7 20	19 9.93	−21 31.8	2.523	3.525	3.2	21.6
7 30	19 1.94	−21 7.5	2.561	3.520	6.4	21.8
8 9	18 55.31	−20 42.4	2.625	3.514	9.2	21.9
8 19	18 50.48	−20 17.3	2.713	3.508	11.6	22.1
156404 2002 AQ_{24}			7 10.2 77°.74	4°.1/12.5 18		
6 10	19 41.74	− 7 19.1	1.698	2.569	14.4	19.5
6 20	19 35.79	− 8 20.8	1.630	2.570	10.9	19.3
6 30	19 27.83	− 9 42.3	1.586	2.571	7.1	19.1
7 10	19 18.67	−11 20.2	1.567	2.572	4.3	18.9
7 20	19 9.31	−13 8.7	1.576	2.574	5.4	19.0
7 30	19 0.85	−15 0.9	1.611	2.575	9.0	19.2
8 9	18 54.26	−16 50.1	1.673	2.576	12.7	19.4
8 19	18 50.15	−18 31.8	1.756	2.577	16.0	19.6
389697 2011 QY_{61}			7 10.2 351°.61	14°.4/15.6 16		
6 10	19 34.22	+ 8 1.6	1.304	2.136	20.1	19.5
6 20	19 30.88	+ 9 2.3	1.244	2.125	17.9	19.3
6 30	19 25.40	+ 9 29.6	1.200	2.116	15.9	19.2
7 10	19 18.62	+ 9 18.4	1.174	2.109	14.6	19.1
7 20	19 11.63	+ 8 27.3	1.167	2.103	14.5	19.1
7 30	19 5.66	+ 7 0.2	1.180	2.099	15.8	19.1
8 9	19 1.75	+ 5 5.7	1.211	2.096	17.8	19.3
8 19	19 0.56	+ 2 54.6	1.260	2.096	20.2	19.4
325155 2008 FC_{10}			7 10.2 6°.25	0°.4/10.3 17		
6 10	19 39.51	−20 27.4	1.065	1.990	16.5	19.8
6 20	19 34.95	−20 39.0	1.015	1.990	11.7	19.5
6 30	19 27.59	−20 57.5	0.985	1.991	6.1	19.2
7 10	19 18.67	−21 19.2	0.977	1.993	0.5	18.8
7 20	19 9.70	−21 40.5	0.991	1.997	5.7	19.2
7 30	19 2.32	−21 58.4	1.026	2.002	11.2	19.6
8 9	18 57.73	−22 11.7	1.082	2.008	16.1	19.9
8 19	18 56.55	−22 19.8	1.155	2.016	20.1	20.1
226828 2004 RR_{321}			7 10.2 264°.36	0°.9/ 9.9 18		R
6 10	19 40.48	−24 33.0	2.432	3.325	9.7	20.4
6 20	19 34.54	−24 43.1	2.352	3.313	6.8	20.2
6 30	19 27.05	−24 53.2	2.298	3.300	3.6	19.9
7 10	19 18.66	−25 1.2	2.272	3.288	0.9	19.7
7 20	19 10.15	−25 5.4	2.274	3.275	3.7	19.9
7 30	19 2.35	−25 5.1	2.303	3.262	7.0	20.1
8 9	18 55.98	−25 0.3	2.358	3.249	10.0	20.3
8 19	18 51.55	−24 51.7	2.435	3.235	12.7	20.4
22391 1994 PE_{26}			7 10.2 313°.21	6°.9/ 8.7 18		
6 10	19 46.74	−38 25.3	1.592	2.485	13.9	17.5
6 20	19 39.81	−38 54.6	1.522	2.471	10.8	17.3
6 30	19 30.08	−39 11.0	1.475	2.456	8.0	17.1
7 10	19 18.72	−39 8.1	1.452	2.442	7.0	17.0
7 20	19 7.22	−38 42.8	1.453	2.429	8.7	17.0
7 30	18 57.19	−37 56.0	1.478	2.415	11.9	17.2
8 9	18 49.89	−36 52.5	1.525	2.402	15.3	17.4
8 19	18 45.99	−35 38.5	1.591	2.390	18.3	17.5
114645 2003 EZ_{40}			7 10.2 153°.64	10°.7/ 4.7 18		
6 10	19 54.72	−37 18.6	1.208	2.107	17.0	18.7
6 20	19 46.60	−40 27.9	1.165	2.112	13.5	18.5
6 30	19 34.20	−43 26.8	1.145	2.116	11.0	18.4
7 10	19 18.81	−45 56.8	1.150	2.121	11.1	18.4
7 20	19 2.61	−47 44.6	1.179	2.124	13.5	18.6
7 30	18 48.26	−48 46.9	1.230	2.127	16.9	18.8
8 9	18 37.89	−49 10.1	1.299	2.130	20.1	19.0
8 19	18 32.55	−49 4.3	1.382	2.132	22.8	19.2
33125 1998 BU_{33}			7 10.2 103°.04	0°.5/10.0 18		
6 10	19 42.59	−21 24.0	1.718	2.619	12.7	18.5
6 20	19 36.37	−22 1.0	1.660	2.624	8.8	18.3
6 30	19 28.10	−22 42.1	1.625	2.628	4.6	18.1
7 10	19 18.69	−23 23.5	1.616	2.633	0.5	17.7
7 20	19 9.21	−24 1.5	1.634	2.637	4.5	18.1
7 30	19 0.80	−24 33.3	1.678	2.641	8.7	18.3
8 9	18 54.40	−24 58.0	1.746	2.646	12.5	18.6
8 19	18 50.59	−25 15.8	1.834	2.650	15.6	18.8
414447 2009 FM_{50}			7 10.2 102°.99	1°.9/ 9.6 17		
6 10	19 45.33	−24 9.4	1.397	2.305	14.5	20.6
6 20	19 38.65	−24 57.8	1.344	2.311	10.2	20.3
6 30	19 29.41	−25 48.4	1.314	2.317	5.4	20.1
7 10	19 18.72	−26 35.3	1.308	2.323	1.9	19.8
7 20	19 7.99	−27 13.6	1.328	2.329	5.7	20.1
7 30	18 58.66	−27 40.7	1.373	2.335	10.4	20.4
8 9	18 51.89	−27 56.5	1.440	2.341	14.5	20.7
8 19	18 48.31	−28 2.6	1.525	2.346	18.0	20.9

509953 2009 SA_{51} 7 10.2 337°.69 1°.4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 40.04	−23 48.5	1.142	2.066	15.8	20.8
6 20	19 35.47	−24 10.9	1.078	2.052	11.1	20.5
6 30	19 27.99	−24 36.5	1.034	2.040	5.9	20.2
7 10	19 18.72	−25 0.7	1.012	2.028	1.4	19.9
7 20	19 9.14	−25 19.0	1.013	2.017	6.1	20.1
7 30	19 0.97	−25 29.0	1.036	2.008	11.6	20.4
8 9	18 55.59	−25 30.4	1.078	2.000	16.5	20.7
8 19	18 53.75	−25 24.3	1.138	1.993	20.7	20.9

96059 3030 P–L 7 10.2 243°.45 2°.2/10.9 18

6 10	19 39.73	−15 23.6	2.591	3.469	9.7	20.0
6 20	19 33.88	−15 8.5	2.509	3.458	7.1	19.8
6 30	19 26.68	−14 58.4	2.453	3.447	4.2	19.6
7 10	19 18.70	−14 52.9	2.425	3.435	2.2	19.5
7 20	19 10.61	−14 51.2	2.425	3.423	3.7	19.5
7 30	19 3.14	−14 52.8	2.453	3.411	6.7	19.7
8 9	18 56.92	−14 56.8	2.507	3.399	9.5	19.9
8 19	18 52.41	−15 2.3	2.584	3.386	12.0	20.0

202676 2006 MH_8 7 10.2 227°.79 1°.2/10.7 17

6 10	19 40.65	−17 18.6	1.961	2.854	11.7	20.2
6 20	19 34.86	−17 43.6	1.894	2.852	8.3	19.9
6 30	19 27.30	−18 15.5	1.850	2.850	4.5	19.7
7 10	19 18.72	−18 52.0	1.833	2.849	1.2	19.5
7 20	19 10.03	−19 30.1	1.844	2.847	4.0	19.7
7 30	19 2.18	−20 7.1	1.881	2.845	7.9	19.9
8 9	18 56.01	−20 41.3	1.943	2.843	11.4	20.1
8 19	18 52.07	−21 11.4	2.026	2.841	14.4	20.3

90702 1988 CN_5 7 10.2 162°.70 5°.4/12.6 18

6 10	19 40.69	− 4 18.3	2.360	3.203	11.8	20.2
6 20	19 34.55	− 4 13.9	2.294	3.209	9.3	20.1
6 30	19 27.02	− 4 23.3	2.251	3.215	6.9	19.9
7 10	19 18.72	− 4 46.3	2.235	3.220	5.4	19.8
7 20	19 10.38	− 5 21.8	2.247	3.224	5.9	19.9
7 30	19 2.74	− 6 7.1	2.285	3.227	8.0	20.0
8 9	18 56.46	− 6 59.2	2.350	3.230	10.5	20.2
8 19	18 51.99	− 7 54.8	2.436	3.233	12.8	20.3

340555 2006 KO_{54} 7 10.2 260°.65 3°.4/11.3 16

6 10	19 40.73	−12 45.1	1.876	2.760	12.6	21.1
6 20	19 34.93	−12 36.5	1.807	2.756	9.3	20.9
6 30	19 27.34	−12 37.6	1.761	2.753	5.8	20.7
7 10	19 18.73	−12 48.0	1.741	2.749	3.5	20.5
7 20	19 10.02	−13 6.0	1.748	2.745	5.1	20.6
7 30	19 2.18	−13 29.9	1.780	2.742	8.5	20.8
8 9	18 56.04	−13 57.2	1.837	2.738	11.9	21.0
8 19	18 52.16	−14 26.0	1.915	2.734	14.9	21.2

53425 1999 SO_4 7 10.2 204°.58 3°.4/ 9.3 18

6 10	19 46.33	−29 1.3	1.573	2.476	13.5	18.0
6 20	19 39.31	−29 39.0	1.512	2.475	9.6	17.8
6 30	19 29.77	−30 13.2	1.474	2.473	5.6	17.6
7 10	19 18.79	−30 38.8	1.461	2.471	3.5	17.4
7 20	19 7.70	−30 51.7	1.474	2.469	6.2	17.6
7 30	18 57.92	−30 51.1	1.512	2.466	10.3	17.8
8 9	18 50.59	−30 38.7	1.572	2.463	14.1	18.0
8 19	18 46.36	−30 17.6	1.652	2.460	17.4	18.3

243581 1997 RH_6 7 10.2 348°.79 1°.9/10.4 17

6 10	19 37.05	−20 42.6	0.831	1.770	18.4	19.4
6 20	19 33.82	−20 3.9	0.776	1.756	13.2	19.0
6 30	19 27.27	−19 29.2	0.738	1.745	7.2	18.7
7 10	19 18.75	−18 58.3	0.720	1.736	1.9	18.3
7 20	19 10.00	−18 31.5	0.721	1.729	6.7	18.6
7 30	19 3.00	−18 8.8	0.741	1.724	13.0	18.9
8 9	18 59.25	−17 50.4	0.779	1.721	18.6	19.2
8 19	18 59.46	−17 35.4	0.831	1.720	23.3	19.5

133462 2003 SL_{233} 7 10.2 259°.86 3°.3/ 8.9 18

6 10	19 43.62	−29 30.1	1.938	2.836	11.6	20.4
6 20	19 37.20	−30 15.2	1.864	2.824	8.3	20.2
6 30	19 28.64	−30 57.8	1.815	2.812	5.0	20.0
7 10	19 18.78	−31 33.2	1.792	2.800	3.4	19.8
7 20	19 8.68	−31 57.7	1.796	2.788	5.7	20.0
7 30	18 59.52	−32 9.5	1.827	2.775	9.2	20.1
8 9	18 52.31	−32 9.3	1.880	2.763	12.6	20.3
8 19	18 47.70	−31 59.4	1.955	2.750	15.5	20.5

396152 2013 EL_5 7 10.2 206°.37 1°.0/10.6 18

6 10	19 40.10	−18 13.1	2.570	3.455	9.6	22.0
6 20	19 34.17	−18 24.1	2.495	3.450	6.8	21.8
6 30	19 26.85	−18 39.2	2.446	3.446	3.7	21.6
7 10	19 18.75	−18 56.9	2.425	3.440	1.0	21.4
7 20	19 10.55	−19 15.6	2.432	3.435	3.3	21.5
7 30	19 3.00	−19 34.0	2.468	3.429	6.5	21.7
8 9	18 56.75	−19 51.0	2.530	3.422	9.4	21.9
8 19	18 52.25	−20 6.0	2.615	3.416	11.9	22.1

81010 2000 EL_{35} 7 10.2 107°.31 3°.3/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 46.09	−29 0.2	1.569	2.472	13.5	19.9
6 20	19 39.02	−29 31.3	1.515	2.478	9.6	19.7
6 30	19 29.56	−29 58.3	1.484	2.484	5.5	19.5
7 10	19 18.80	−30 16.5	1.479	2.489	3.3	19.4
7 20	19 8.08	−30 22.7	1.499	2.495	6.0	19.5
7 30	18 58.74	−30 16.5	1.545	2.501	10.0	19.8
8 9	18 51.85	−29 59.8	1.613	2.506	13.7	20.0
8 19	18 47.98	−29 35.6	1.701	2.511	16.9	20.3

22225 4091 T-$_2$ 7 10.2 342°.39 0°.1/10.2 18

6 10	19 38.49	−20 20.9	1.271	2.189	14.9	17.8
6 20	19 34.14	−20 49.0	1.205	2.177	10.5	17.5
6 30	19 27.24	−21 24.8	1.160	2.165	5.5	17.1
7 10	19 18.77	−22 4.3	1.139	2.155	0.1	16.7
7 20	19 10.03	−22 43.1	1.140	2.146	5.4	17.1
7 30	19 2.48	−23 17.3	1.165	2.138	10.6	17.4
8 9	18 57.36	−23 44.8	1.211	2.131	15.2	17.6
8 19	18 55.39	−24 4.9	1.275	2.126	19.2	17.8

475788 2006 XR_{20} 7 10.2 191°.61 2°.1/10.7 18

6 10	19 41.95	−15 55.6	2.873	3.745	9.1	21.8
6 20	19 35.25	−15 24.7	2.797	3.743	6.6	21.6
6 30	19 27.34	−14 57.1	2.748	3.741	3.9	21.4
7 10	19 18.77	−14 33.0	2.728	3.738	2.1	21.3
7 20	19 10.19	−14 12.3	2.738	3.735	3.5	21.4
7 30	19 2.25	−13 55.0	2.778	3.732	6.2	21.6
8 9	18 55.52	−13 40.9	2.844	3.728	8.8	21.7
8 19	18 50.41	−13 29.7	2.934	3.723	11.0	21.9

258946 2002 RJ_{206} 7 10.2 247°.39 3°.8/ 9.2 18

6 10	19 47.20	−30 57.0	1.735	2.632	12.8	20.5
6 20	19 39.90	−31 26.4	1.660	2.619	9.3	20.2
6 30	19 30.12	−31 50.8	1.609	2.605	5.7	20.0
7 10	19 18.83	−32 4.9	1.584	2.591	3.8	19.8
7 20	19 7.31	−32 5.5	1.585	2.577	6.3	19.9
7 30	18 56.94	−31 51.8	1.612	2.562	10.1	20.1
8 9	18 48.89	−31 26.2	1.662	2.547	13.8	20.3
8 19	18 43.85	−30 52.1	1.732	2.531	17.1	20.5

106844 2000 YQ_{14} 7 10.2 154°.69 0°.9/ 9.9 17

6 10	19 46.03	−22 52.7	1.751	2.647	12.7	20.8
6 20	19 38.76	−23 23.9	1.693	2.655	8.9	20.6
6 30	19 29.37	−23 57.2	1.659	2.661	4.6	20.3
7 10	19 18.82	−24 28.7	1.651	2.667	0.9	20.1
7 20	19 8.23	−24 55.0	1.671	2.673	4.6	20.4
7 30	18 58.80	−25 14.3	1.717	2.677	8.8	20.6
8 9	18 51.47	−25 26.5	1.788	2.681	12.5	20.8
8 19	18 46.84	−25 32.4	1.879	2.685	15.6	21.1

254456 2005 CF_{21} 7 10.2 183°.04 3°.3/ 9.3 17

6 10	19 47.56	−29 8.1	1.642	2.542	13.2	21.2
6 20	19 40.07	−29 41.9	1.581	2.542	9.5	20.9
6 30	19 30.15	−30 12.0	1.544	2.542	5.5	20.7
7 10	19 18.84	−30 33.2	1.532	2.542	3.3	20.6
7 20	19 7.47	−30 42.1	1.547	2.541	6.0	20.7
7 30	18 57.40	−30 38.0	1.587	2.540	10.0	21.0
8 9	18 49.75	−30 22.8	1.651	2.539	13.7	21.2
8 19	18 45.13	−29 59.5	1.734	2.536	16.9	21.4

252986 2002 QP_{89} 7 10.2 253°.73 1°.1/10.5 18

6 10	19 44.30	−18 45.4	1.738	2.632	12.9	21.6
6 20	19 37.76	−18 53.4	1.656	2.615	9.2	21.3
6 30	19 28.99	−19 7.1	1.597	2.598	5.0	21.0
7 10	19 18.83	−19 24.4	1.565	2.581	1.1	20.7
7 20	19 8.35	−19 42.9	1.559	2.563	4.6	20.9
7 30	18 58.77	−20 0.4	1.580	2.544	9.1	21.1
8 9	18 51.16	−20 16.0	1.624	2.525	13.2	21.3
8 19	18 46.21	−20 29.0	1.689	2.505	16.7	21.5

476254 2007 VG_{97} 7 10.2 143°.31 4°.3/11.4 18

6 10	19 41.49	−10 5.3	2.220	3.087	11.6	21.1
6 20	19 35.17	− 9 29.7	2.157	3.093	8.8	20.9
6 30	19 27.38	− 9 3.2	2.118	3.098	6.0	20.8
7 10	19 18.82	− 8 46.5	2.106	3.104	4.4	20.7
7 20	19 10.26	− 8 39.5	2.121	3.108	5.4	20.7
7 30	19 2.50	− 8 41.3	2.164	3.113	7.9	20.9
8 9	18 56.23	− 8 50.3	2.231	3.118	10.7	21.1
8 19	18 51.90	− 9 4.6	2.320	3.122	13.2	21.3

251958 1999 XL_{241} 7 10.2 257°.57 0°.5/10.0 18

6 10	19 40.12	−23 0.6	2.514	3.406	9.5	21.5
6 20	19 34.31	−23 17.6	2.432	3.392	6.7	21.3
6 30	19 27.00	−23 35.9	2.376	3.378	3.5	21.1
7 10	19 18.82	−23 53.5	2.348	3.364	0.5	20.8
7 20	19 10.47	−24 8.5	2.348	3.349	3.5	21.0
7 30	19 2.77	−24 19.6	2.376	3.335	6.8	21.2
8 9	18 56.42	−24 26.5	2.429	3.320	9.8	21.4
8 19	18 51.92	−24 29.3	2.505	3.305	12.4	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
268272 2005 OA_{29}			7 10.2 301.°56		0.°2/10.2 18	
	h m	° ′			°	m
6 10	19 43.81	−22 54.5	1.445	2.353	14.1	20.2
6 20	19 37.70	−22 49.4	1.372	2.339	10.0	19.9
6 30	19 29.06	−22 45.7	1.321	2.324	5.3	19.6
7 10	19 18.87	−22 40.7	1.294	2.310	0.2	19.1
7 20	19 8.43	−22 32.6	1.292	2.297	5.1	19.5
7 30	18 59.18	−22 20.8	1.315	2.283	10.2	19.7
8 9	18 52.32	−22 5.8	1.360	2.270	14.7	20.0
8 19	18 48.55	−21 48.8	1.424	2.257	18.5	20.2
264020 Stuttgart			7 10.2 165.°03		3.°7/ 9.2 18	
6 10	19 47.11	−31 0.9	1.807	2.702	12.4	20.6
6 20	19 39.60	−31 32.7	1.748	2.706	9.0	20.4
6 30	19 29.85	−31 59.0	1.713	2.709	5.5	20.2
7 10	19 18.89	−32 15.1	1.705	2.711	3.7	20.1
7 20	19 7.92	−32 18.3	1.723	2.714	6.0	20.2
7 30	18 58.19	−32 8.1	1.767	2.716	9.5	20.4
8 9	18 50.72	−31 46.9	1.835	2.717	12.9	20.6
8 19	18 46.07	−31 17.8	1.924	2.718	15.8	20.9
74092 1998 QJ_{5}			7 10.2 299.°86		1.°5/10.6 18	
6 10	19 41.45	−18 19.5	1.726	2.625	12.8	18.6
6 20	19 35.68	−18 13.8	1.652	2.613	9.1	18.4
6 30	19 27.87	−18 13.6	1.600	2.601	5.0	18.1
7 10	19 18.85	−18 17.5	1.574	2.590	1.6	17.9
7 20	19 9.63	−18 23.8	1.575	2.578	4.6	18.0
7 30	19 1.36	−18 31.2	1.601	2.567	8.8	18.3
8 9	18 54.99	−18 38.6	1.650	2.556	12.7	18.5
8 19	18 51.14	−18 45.5	1.720	2.545	16.1	18.7
367305 2007 VD_{316}			7 10.2 355.°38		2.°3/10.5 17	
6 10	19 42.92	−18 53.6	1.127	2.043	16.6	20.4
6 20	19 37.29	−18 20.9	1.071	2.040	11.9	20.1
6 30	19 28.87	−17 54.0	1.035	2.038	6.6	19.8
7 10	19 18.87	−17 32.4	1.021	2.036	2.3	19.6
7 20	19 8.82	−17 15.6	1.030	2.035	6.0	19.8
7 30	19 0.32	−17 3.3	1.062	2.035	11.3	20.1
8 9	18 54.60	−16 54.9	1.114	2.036	16.1	20.4
8 19	18 52.28	−16 49.4	1.184	2.037	20.2	20.6
34764 2001 QZ_{197}			7 10.2 280.°54		5.°5/11.7 18	
6 10	19 39.71	− 7 18.1	2.069	2.933	12.4	18.8
6 20	19 34.12	− 6 43.9	1.996	2.926	9.7	18.6
6 30	19 26.93	− 6 21.7	1.946	2.919	7.1	18.4
7 10	19 18.83	− 6 12.5	1.922	2.912	5.5	18.3
7 20	19 10.61	− 6 16.1	1.924	2.906	6.4	18.3
7 30	19 3.14	− 6 31.4	1.952	2.899	8.8	18.5
8 9	18 57.16	− 6 55.9	2.004	2.892	11.6	18.6
8 19	18 53.21	− 7 26.8	2.077	2.885	14.3	18.8
372400 2009 RM_{3}			7 10.2 349.°76		17.°3/11.8 18	
6 10	19 32.52	+ 3 45.5	0.924	1.803	22.7	19.1
6 20	19 30.29	+ 6 2.2	0.870	1.787	20.3	18.9
6 30	19 25.37	+ 7 46.9	0.833	1.773	18.3	18.7
7 10	19 18.79	+ 8 48.8	0.811	1.762	17.3	18.6
7 20	19 11.92	+ 9 1.6	0.805	1.753	17.8	18.6
7 30	19 6.32	+ 8 26.0	0.815	1.746	19.5	18.7
8 9	19 3.33	+ 7 10.2	0.840	1.743	22.0	18.8
8 19	19 3.73	+ 5 26.4	0.879	1.742	24.7	19.0
185004 2006 PD_{9}			7 10.2 330.°75		2.°5/ 9.8 17	
6 10	19 43.86	−27 19.2	1.174	2.093	15.8	20.2
6 20	19 38.16	−27 23.9	1.110	2.081	11.3	19.9
6 30	19 29.43	−27 25.3	1.067	2.071	6.2	19.6
7 10	19 18.89	−27 18.9	1.046	2.061	2.5	19.3
7 20	19 8.16	−27 2.2	1.049	2.052	6.4	19.6
7 30	18 58.99	−26 35.1	1.074	2.043	11.7	19.8
8 9	18 52.76	−26 0.4	1.119	2.036	16.5	20.1
8 19	18 50.18	−25 21.3	1.182	2.029	20.6	20.3
63127 2000 WW_{181}			7 10.2 305.°44		8.°0/13.1 18	
6 10	19 39.18	− 2 22.1	1.563	2.424	15.9	19.4
6 20	19 34.31	− 2 14.3	1.479	2.402	13.0	19.1
6 30	19 27.28	− 2 29.1	1.416	2.381	10.0	18.9
7 10	19 18.85	− 3 8.2	1.376	2.360	8.1	18.7
7 20	19 10.00	− 4 10.3	1.359	2.339	8.6	18.7
7 30	19 1.94	− 5 31.4	1.366	2.318	11.4	18.8
8 9	18 55.73	− 7 5.0	1.396	2.298	14.8	19.0
8 19	18 52.14	− 8 44.2	1.446	2.279	18.2	19.1
206145 2002 TE_{94}			7 10.2 259.°19		3.°0/ 9.3 18	
6 10	19 43.42	−29 37.8	1.971	2.869	11.4	20.7
6 20	19 36.96	−30 6.9	1.902	2.862	8.2	20.5
6 30	19 28.50	−30 32.5	1.858	2.856	4.8	20.2
7 10	19 18.87	−30 50.6	1.840	2.849	3.1	20.1
7 20	19 9.13	−30 58.6	1.849	2.842	5.3	20.2
7 30	19 0.38	−30 55.5	1.884	2.836	8.8	20.4
8 9	18 53.55	−30 42.5	1.943	2.829	12.1	20.6
8 19	18 49.23	−30 21.9	2.023	2.822	14.9	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
180639 2004 GQ_{9}			7 10.2 351.°73		5.°0/ 8.7 18	
	h m	° ′			°	m
6 10	19 43.36	−34 18.0	1.808	2.707	12.3	20.0
6 20	19 37.08	−34 55.8	1.749	2.704	9.1	19.8
6 30	19 28.60	−35 25.8	1.713	2.702	6.2	19.6
7 10	19 18.87	−35 43.2	1.702	2.701	5.0	19.5
7 20	19 9.10	−35 45.0	1.716	2.699	6.9	19.6
7 30	19 0.52	−35 31.1	1.756	2.698	10.0	19.8
8 9	18 54.13	−35 3.7	1.819	2.698	13.1	20.0
8 19	18 50.52	−34 26.5	1.901	2.698	15.8	20.2
510461 2011 WG_{55}			7 10.2 177.°43		2.°7/11.4 18	
6 10	19 38.89	−11 37.9	2.993	3.858	9.0	22.9
6 20	19 33.15	−11 34.3	2.921	3.859	6.7	22.8
6 30	19 26.29	−11 37.6	2.875	3.861	4.3	22.6
7 10	19 18.84	−11 47.1	2.858	3.862	2.7	22.5
7 20	19 11.33	−12 2.1	2.869	3.862	3.7	22.6
7 30	19 4.38	−12 21.2	2.909	3.862	6.0	22.7
8 9	18 58.49	−12 43.1	2.975	3.862	8.3	22.9
8 19	18 54.06	−13 6.5	3.065	3.861	10.4	23.0
164409 2005 YY_{237}			7 10.2 45.°76		3.°1/ 9.8 17	
6 10	19 47.48	−28 43.5	1.134	2.050	16.5	18.9
6 20	19 40.46	−28 49.8	1.090	2.059	11.7	18.7
6 30	19 30.45	−28 50.6	1.066	2.069	6.5	18.4
7 10	19 18.93	−28 41.0	1.066	2.079	3.2	18.2
7 20	19 7.66	−28 19.2	1.089	2.090	6.7	18.5
7 30	18 58.34	−27 46.5	1.134	2.100	11.6	18.8
8 9	18 52.18	−27 6.6	1.201	2.112	16.1	19.1
8 19	18 49.65	−26 23.1	1.285	2.123	19.8	19.4
251948 1999 XA_{65}			7 10.2 347.°37		10.°9/10.3 18	
6 10	19 41.21	+ 1 4.4	1.757	2.592	15.6	18.7
6 20	19 35.38	+ 3 8.3	1.693	2.584	13.4	18.6
6 30	19 27.67	+ 4 55.1	1.650	2.577	11.6	18.5
7 10	19 18.88	+ 6 19.2	1.631	2.570	10.9	18.4
7 20	19 9.95	+ 7 16.6	1.636	2.564	11.5	18.4
7 30	19 1.89	+ 7 46.3	1.663	2.560	13.3	18.5
8 9	18 55.58	+ 7 51.0	1.711	2.556	15.4	18.7
8 19	18 51.62	+ 7 35.5	1.777	2.552	17.6	18.8
445226 2009 FB_{73}			7 10.2 280.°98		21.°9/14.8 17	
6 10	19 42.39	+17 44.2	1.147	1.923	25.5	21.1
6 20	19 37.07	+19 57.1	1.095	1.914	24.0	20.9
6 30	19 28.90	+21 28.3	1.056	1.905	22.7	20.8
7 10	19 18.91	+22 7.4	1.031	1.896	22.0	20.7
7 20	19 8.50	+21 48.6	1.020	1.887	22.0	20.7
7 30	18 59.30	+20 33.2	1.025	1.878	22.8	20.7
8 9	18 52.71	+18 30.7	1.043	1.870	24.3	20.8
8 19	18 49.58	+15 54.1	1.075	1.861	26.0	20.9
189319 2006 XH_{71}			7 10.2 324.°69		2.°0/10.9 18	
6 10	19 38.38	−16 2.2	1.148	2.065	16.3	19.0
6 20	19 34.44	−16 29.5	1.070	2.040	11.8	18.6
6 30	19 27.64	−17 12.3	1.012	2.015	6.7	18.3
7 10	19 18.89	−18 7.8	0.975	1.991	2.1	17.9
7 20	19 9.52	−19 10.9	0.962	1.968	5.9	18.1
7 30	19 1.20	−20 15.6	0.970	1.946	11.7	18.3
8 9	18 55.44	−21 16.8	0.998	1.925	17.0	18.5
8 19	18 53.22	−22 10.8	1.043	1.906	21.6	18.7
394753 2008 FJ_{101}			7 10.2 37.°93		0.°8/10.6 18	
6 10	19 39.31	−18 22.3	1.986	2.882	11.5	20.9
6 20	19 33.89	−18 50.1	1.928	2.889	8.1	20.7
6 30	19 26.83	−19 23.8	1.895	2.896	4.3	20.5
7 10	19 18.87	−20 0.7	1.888	2.904	0.8	20.2
7 20	19 10.87	−20 37.8	1.908	2.912	3.8	20.5
7 30	19 3.75	−21 12.9	1.955	2.920	7.6	20.7
8 9	18 58.27	−21 44.2	2.027	2.929	10.9	20.9
8 19	18 54.92	−22 10.8	2.120	2.938	13.7	21.2
424521 2008 EZ_{53}			7 10.2 134.°82		3.°5/ 9.0 17	
6 10	19 46.09	−28 34.4	1.636	2.538	13.1	21.8
6 20	19 39.07	−29 29.5	1.582	2.544	9.4	21.5
6 30	19 29.67	−30 22.2	1.552	2.550	5.5	21.3
7 10	19 18.94	−31 6.4	1.547	2.556	3.5	21.2
7 20	19 8.14	−31 37.7	1.568	2.561	6.1	21.4
7 30	18 58.62	−31 54.6	1.615	2.567	10.0	21.6
8 9	18 51.46	−31 58.1	1.685	2.571	13.6	21.9
8 19	18 47.25	−31 51.0	1.774	2.576	16.6	22.1
443548 2014 KO_{13}			7 10.2 20.°08		2.°9/ 9.1 16	
6 10	19 40.69	−28 2.8	1.864	2.768	11.7	21.0
6 20	19 35.08	−28 52.1	1.808	2.772	8.3	20.8
6 30	19 27.52	−29 39.8	1.777	2.777	4.8	20.6
7 10	19 18.89	−30 21.2	1.772	2.782	3.0	20.5
7 20	19 10.19	−30 52.8	1.793	2.787	5.4	20.6
7 30	19 2.51	−31 12.9	1.840	2.793	8.8	20.9
8 9	18 56.74	−31 21.6	1.910	2.799	12.1	21.1
8 19	18 53.44	−31 20.7	2.000	2.806	14.9	21.3

443355 2014 GP_{35} 7 10.2 19°.20 5°.4/12.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 38.91	− 7 33.6	1.931	2.801	12.9	20.9
6 20	19 33.60	− 7 11.3	1.869	2.803	10.0	20.7
6 30	19 26.68	− 7 2.3	1.829	2.805	7.2	20.6
7 10	19 18.87	− 7 7.0	1.814	2.808	5.4	20.5
7 20	19 11.01	− 7 24.6	1.825	2.811	6.2	20.5
7 30	19 3.99	− 7 53.1	1.862	2.814	8.8	20.7
8 9	18 58.56	− 8 29.2	1.922	2.818	11.7	20.9
8 19	18 55.21	− 9 9.8	2.004	2.821	14.4	21.1

80731 2000 CQ_{29} 7 10.2 101°.37 1°.5/ 9.9 17

6 10	19 45.86	−25 27.4	1.555	2.459	13.6	19.6
6 20	19 38.82	−25 38.7	1.501	2.466	9.5	19.4
6 30	19 29.48	−25 48.9	1.470	2.473	5.0	19.1
7 10	19 18.94	−25 54.6	1.465	2.480	1.5	18.9
7 20	19 8.46	−25 53.5	1.485	2.487	5.1	19.2
7 30	18 59.34	−25 45.2	1.531	2.494	9.5	19.4
8 9	18 52.59	−25 30.7	1.600	2.500	13.4	19.7
8 19	18 48.74	−25 12.1	1.689	2.507	16.7	19.9

177418 2004 CT_{10} 7 10.2 114°.27 1°.9/10.8 17

6 10	19 44.39	−16 26.3	1.655	2.547	13.6	20.8
6 20	19 37.59	−16 38.1	1.603	2.560	9.7	20.6
6 30	19 28.80	−16 57.8	1.573	2.572	5.4	20.4
7 10	19 18.94	−17 23.1	1.570	2.584	1.9	20.2
7 20	19 9.13	−17 51.2	1.593	2.596	4.6	20.4
7 30	19 0.49	−18 19.6	1.642	2.607	8.8	20.7
8 9	18 53.92	−18 46.4	1.715	2.618	12.5	20.9
8 19	18 49.94	−19 10.6	1.809	2.628	15.7	21.1

420438 2012 DD_{36} 7 10.2 214°.28 3°.2/ 9.2 17

6 10	19 46.70	−28 1.4	1.685	2.585	13.0	21.4
6 20	19 39.58	−28 49.9	1.618	2.579	9.2	21.1
6 30	19 30.02	−29 36.8	1.574	2.573	5.3	20.9
7 10	19 18.98	−30 16.7	1.557	2.567	3.2	20.7
7 20	19 7.71	−30 45.0	1.566	2.560	6.0	20.9
7 30	18 57.59	−30 59.8	1.601	2.553	10.0	21.1
8 9	18 49.76	−31 2.1	1.659	2.545	13.7	21.3
8 19	18 44.91	−30 54.2	1.736	2.537	17.0	21.5

117565 2005 EN_{29} 7 10.2 140°.49 6°.6/ 7.9 18

6 10	19 47.12	−40 2.8	2.090	2.968	11.7	19.4
6 20	19 39.61	−40 57.6	2.038	2.974	9.2	19.2
6 30	19 29.89	−41 40.9	2.010	2.979	7.2	19.1
7 10	19 18.97	−42 7.1	2.008	2.984	6.7	19.1
7 20	19 8.04	−42 13.5	2.032	2.989	7.9	19.2
7 30	18 58.35	−42 0.1	2.081	2.994	10.2	19.3
8 9	18 50.86	−41 30.3	2.153	2.998	12.7	19.5
8 19	18 46.17	−40 48.4	2.245	3.002	14.9	19.7

261001 2005 SN_{95} 7 10.2 224°.54 3°.8/11.8 18

6 10	19 38.86	− 9 31.7	2.380	3.247	10.9	21.4
6 20	19 33.40	− 9 28.2	2.306	3.243	8.3	21.2
6 30	19 26.54	− 9 35.0	2.257	3.239	5.6	21.1
7 10	19 18.90	− 9 51.5	2.234	3.234	3.9	21.0
7 20	19 11.15	−10 16.7	2.238	3.229	4.8	21.0
7 30	19 4.04	−10 48.5	2.270	3.225	7.3	21.2
8 9	18 58.24	−11 24.7	2.327	3.220	10.1	21.3
8 19	18 54.21	−12 3.0	2.407	3.214	12.6	21.5

188804 2005 WP_{81} 7 10.2 61°.66 6°.7/ 6.6 18

6 10	19 44.50	−39 21.9	2.162	3.044	11.3	19.6
6 20	19 37.84	−40 54.3	2.117	3.053	8.9	19.5
6 30	19 29.03	−42 16.7	2.096	3.063	7.1	19.4
7 10	19 18.95	−43 22.8	2.102	3.072	6.9	19.4
7 20	19 8.72	−44 8.4	2.134	3.082	8.2	19.5
7 30	18 59.52	−44 32.4	2.191	3.092	10.3	19.6
8 9	18 52.36	−44 37.1	2.271	3.101	12.6	19.8
8 19	18 47.85	−44 26.1	2.369	3.111	14.6	20.0

315712 2008 EF_{109} 7 10.3 74°.49 2°.0/ 9.5 17

6 10	19 41.36	−26 14.4	2.118	3.016	10.7	20.5
6 20	19 35.31	−26 54.1	2.065	3.027	7.5	20.3
6 30	19 27.59	−27 33.1	2.036	3.037	4.1	20.1
7 10	19 18.95	−28 7.7	2.034	3.047	2.0	20.0
7 20	19 10.31	−28 35.3	2.060	3.057	4.4	20.2
7 30	19 2.59	−28 54.3	2.113	3.068	7.8	20.4
8 9	18 56.57	−29 4.7	2.190	3.078	10.8	20.6
8 19	18 52.74	−29 7.7	2.288	3.088	13.4	20.8

95560 2002 EX_{98} 7 10.3 101°.93 7°.5/ 9.7 18 R

6 10	19 55.18	−43 36.1	1.850	2.715	13.6	18.5
6 20	19 45.15	−43 41.9	1.801	2.727	10.9	18.3
6 30	19 32.65	−43 29.3	1.775	2.739	8.5	18.2
7 10	19 19.09	−42 53.7	1.775	2.750	7.5	18.2
7 20	19 6.02	−41 54.5	1.801	2.761	8.6	18.3
7 30	18 54.88	−40 35.7	1.853	2.772	10.9	18.4
8 9	18 46.63	−39 3.9	1.929	2.783	13.6	18.6
8 19	18 41.68	−37 26.0	2.026	2.794	15.9	18.8

508747 2017 UV_{34} 7 10.3 295°.26 1°.9/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 45.46	−26 19.5	1.378	2.288	14.6	21.0
6 20	19 39.06	−26 26.1	1.307	2.274	10.4	20.7
6 30	19 29.89	−26 30.9	1.258	2.261	5.6	20.4
7 10	19 19.03	−26 29.8	1.232	2.247	1.9	20.1
7 20	19 7.92	−26 20.2	1.232	2.234	5.8	20.4
7 30	18 58.13	−26 1.6	1.255	2.221	10.8	20.6
8 9	18 50.95	−25 35.9	1.301	2.208	15.3	20.8
8 19	18 47.12	−25 5.6	1.364	2.195	19.2	21.1

240447 2003 YV_{15} 7 10.3 254°.39 3°.5/ 8.7 18

6 10	19 43.53	−30 4.9	2.109	3.004	10.9	20.3
6 20	19 37.13	−30 59.3	2.033	2.991	7.9	20.1
6 30	19 28.70	−31 51.6	1.982	2.977	4.9	19.9
7 10	19 19.01	−32 36.7	1.957	2.963	3.5	19.8
7 20	19 9.04	−33 10.8	1.961	2.949	5.6	19.9
7 30	18 59.89	−33 31.9	1.990	2.934	8.9	20.0
8 9	18 52.53	−33 40.3	2.044	2.919	12.0	20.2
8 19	18 47.61	−33 37.9	2.119	2.904	14.8	20.4

64144 2001 TS_{37} 7 10.3 164°.53 0°.6/10.1 18

6 10	19 44.71	−23 32.0	1.814	2.712	12.3	19.4
6 20	19 37.84	−23 38.5	1.752	2.714	8.6	19.2
6 30	19 28.98	−23 45.6	1.714	2.716	4.5	18.9
7 10	19 19.01	−23 50.7	1.702	2.718	0.6	18.6
7 20	19 9.03	−23 51.8	1.717	2.720	4.4	18.9
7 30	19 0.15	−23 48.3	1.759	2.721	8.5	19.2
8 9	18 53.27	−23 40.5	1.825	2.722	12.2	19.4
8 19	18 48.94	−23 29.6	1.912	2.723	15.2	19.6

150751 2001 QK_{125} 7 10.3 282°.50 2°.4/ 9.6 17

6 10	19 44.59	−26 23.3	1.614	2.518	13.2	20.4
6 20	19 38.32	−26 55.6	1.532	2.497	9.4	20.1
6 30	19 29.50	−27 28.3	1.473	2.475	5.2	19.8
7 10	19 19.03	−27 56.4	1.440	2.454	2.4	19.6
7 20	19 8.16	−28 15.9	1.433	2.432	5.7	19.8
7 30	18 58.28	−28 24.6	1.451	2.410	10.2	20.0
8 9	18 50.63	−28 22.9	1.491	2.388	14.4	20.2
8 19	18 46.02	−28 12.8	1.551	2.366	18.0	20.4

350410 2012 VO_{40} 7 10.3 109°.02 0°.9/10.5 16

6 10	19 41.90	−19 9.1	1.851	2.747	12.2	21.4
6 20	19 35.85	−19 17.2	1.787	2.748	8.6	21.1
6 30	19 27.94	−19 30.1	1.748	2.749	4.6	20.9
7 10	19 19.00	−19 45.8	1.734	2.750	0.9	20.6
7 20	19 9.99	−20 2.2	1.747	2.751	4.2	20.9
7 30	19 1.96	−20 17.5	1.787	2.752	8.2	21.1
8 9	18 55.74	−20 30.7	1.851	2.753	11.8	21.4
8 19	18 51.88	−20 41.4	1.936	2.755	14.8	21.6

217136 2002 GT_{109} 7 10.3 180°.54 1°.0/ 9.8 17

6 10	19 45.53	−21 12.0	1.602	2.501	13.5	20.7
6 20	19 38.77	−22 18.8	1.539	2.502	9.5	20.5
6 30	19 29.62	−23 31.9	1.500	2.503	4.9	20.2
7 10	19 19.05	−24 45.5	1.487	2.503	1.0	19.9
7 20	19 8.24	−25 53.5	1.501	2.503	5.1	20.2
7 30	18 58.53	−26 51.5	1.542	2.502	9.6	20.5
8 9	18 51.03	−27 37.9	1.606	2.501	13.6	20.7
8 19	18 46.44	−28 12.7	1.690	2.499	17.0	20.9

465632 2009 JN_{2} 7 10.3 7°.05 21°.3/15.9 17

6 10	19 37.41	+15 27.2	1.091	1.892	25.1	19.8
6 20	19 33.43	+17 58.4	1.054	1.892	23.5	19.7
6 30	19 26.93	+19 46.5	1.031	1.894	22.2	19.6
7 10	19 18.98	+20 42.1	1.022	1.897	21.4	19.6
7 20	19 10.90	+20 41.6	1.028	1.902	21.3	19.6
7 30	19 4.15	+19 47.7	1.048	1.908	22.0	19.7
8 9	18 59.89	+18 10.2	1.082	1.916	23.1	19.8
8 19	18 58.78	+16 1.6	1.129	1.925	24.5	19.9

479043 2013 AR_{39} 7 10.3 158°.06 0°.2/10.3 17

6 10	19 41.12	−21 2.3	2.404	3.294	10.0	22.2
6 20	19 34.97	−21 11.5	2.339	3.298	7.0	22.1
6 30	19 27.37	−21 23.0	2.300	3.302	3.6	21.8
7 10	19 18.99	−21 35.0	2.288	3.305	0.2	21.6
7 20	19 10.58	−21 45.8	2.305	3.308	3.4	21.8
7 30	19 2.94	−21 54.4	2.350	3.311	6.7	22.1
8 9	18 56.73	−22 0.4	2.420	3.314	9.7	22.3
8 19	18 52.43	−22 3.8	2.513	3.316	12.3	22.4

506487 2003 SZ_{411} 7 10.3 229°.62 5°.9/ 8.2 18

6 10	19 47.70	−38 57.9	2.197	3.074	11.3	22.2
6 20	19 40.04	−39 39.0	2.126	3.064	8.8	22.1
6 30	19 30.19	−40 9.8	2.080	3.054	6.7	21.9
7 10	19 19.06	−40 25.4	2.061	3.043	6.0	21.9
7 20	19 7.80	−40 22.7	2.068	3.032	7.3	21.9
7 30	18 57.63	−40 1.8	2.101	3.021	9.8	22.1
8 9	18 49.54	−39 25.5	2.158	3.009	12.4	22.2
8 19	18 44.15	−38 38.1	2.235	2.997	14.8	22.4

224157 2005 QC_{68} 7 10.3 332.°82 0.°4/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 39.89	−21 20.3	1.178	2.099	15.6	20.3
6 20	19 35.41	−21 46.5	1.110	2.083	11.1	20.0
6 30	19 28.11	−22 19.6	1.063	2.068	5.8	19.7
7 10	19 19.02	−22 55.4	1.038	2.055	0.4	19.2
7 20	19 9.56	−23 29.1	1.036	2.042	5.7	19.6
7 30	19 1.38	−23 56.9	1.057	2.030	11.3	19.9
8 9	18 55.84	−24 17.3	1.098	2.020	16.3	20.1
8 19	18 53.75	−24 30.0	1.155	2.010	20.5	20.3

120125 2003 FR_{100} 7 10.3 11.°48 5.°0/ 8.4 18

6 10	19 42.30	−33 22.6	1.832	2.732	12.1	18.8
6 20	19 36.38	−34 19.4	1.777	2.734	8.9	18.6
6 30	19 28.31	−35 10.0	1.746	2.736	6.0	18.5
7 10	19 19.03	−35 48.9	1.740	2.738	5.0	18.4
7 20	19 9.65	−36 12.4	1.759	2.741	6.9	18.5
7 30	19 1.40	−36 19.4	1.804	2.744	9.9	18.7
8 9	18 55.25	−36 11.6	1.872	2.748	12.9	18.9
8 19	18 51.80	−35 52.0	1.959	2.752	15.6	19.1

444652 2007 BO_{21} 7 10.3 110.°62 1.°5/ 9.8 17

6 10	19 42.10	−26 39.3	2.416	3.308	9.8	21.4
6 20	19 35.63	−26 49.6	2.360	3.319	6.9	21.2
6 30	19 27.69	−26 58.1	2.329	3.330	3.7	21.0
7 10	19 19.02	−27 2.6	2.326	3.340	1.5	20.8
7 20	19 10.39	−27 1.6	2.352	3.351	3.8	21.0
7 30	19 2.64	−26 54.9	2.405	3.361	6.9	21.3
8 9	18 56.43	−26 43.1	2.484	3.371	9.7	21.5
8 19	18 52.18	−26 27.2	2.585	3.381	12.1	21.6

289307 2005 AH_{13} 7 10.3 209.°09 0.°8/10.6 18

6 10	19 42.39	−18 50.7	2.238	3.125	10.7	21.9
6 20	19 36.02	−19 5.2	2.163	3.120	7.6	21.7
6 30	19 28.00	−19 24.1	2.114	3.114	4.1	21.5
7 10	19 19.03	−19 45.5	2.091	3.107	0.8	21.2
7 20	19 9.92	−20 7.3	2.097	3.100	3.7	21.4
7 30	19 1.56	−20 27.8	2.131	3.093	7.3	21.6
8 9	18 54.73	−20 46.0	2.191	3.085	10.6	21.8
8 19	18 49.95	−21 1.4	2.272	3.076	13.4	22.0

116054 2003 WO_{107} 7 10.3 240.°91 1.°2/10.7 18

6 10	19 41.57	−18 13.0	1.975	2.867	11.7	20.3
6 20	19 35.60	−18 22.0	1.904	2.862	8.3	20.1
6 30	19 27.84	−18 36.4	1.857	2.857	4.5	19.8
7 10	19 19.04	−18 54.4	1.836	2.852	1.2	19.6
7 20	19 10.12	−19 13.9	1.843	2.846	4.0	19.8
7 30	19 2.04	−19 33.1	1.877	2.841	7.9	20.0
8 9	18 55.65	−19 50.8	1.935	2.835	11.4	20.2
8 19	18 51.50	−20 6.2	2.014	2.829	14.4	20.4

446531 2014 MX_{1} 7 10.3 16.°45 7.°4/13.1 18

6 10	19 37.77	− 1 6.8	2.036	2.878	13.5	20.9
6 20	19 32.79	− 0 35.5	1.974	2.881	11.1	20.8
6 30	19 26.31	− 0 21.6	1.934	2.884	8.8	20.6
7 10	19 19.01	− 0 26.1	1.918	2.887	7.5	20.6
7 20	19 11.65	− 0 48.7	1.927	2.891	7.9	20.6
7 30	19 5.06	− 1 27.1	1.961	2.894	9.6	20.7
8 9	18 59.92	− 2 17.5	2.018	2.899	11.9	20.9
8 19	18 56.73	− 3 15.5	2.096	2.903	14.2	21.0

198444 2004 WX_{10} 7 10.3 159.°50 2.°6/ 9.3 17

6 10	19 44.09	−27 41.2	1.936	2.833	11.6	20.6
6 20	19 37.45	−28 22.3	1.875	2.836	8.2	20.4
6 30	19 28.82	−29 1.7	1.839	2.839	4.7	20.2
7 10	19 19.08	−29 35.1	1.830	2.841	2.6	20.1
7 20	19 9.25	−29 59.1	1.848	2.843	5.1	20.2
7 30	19 0.45	−30 12.4	1.892	2.845	8.7	20.4
8 9	18 53.59	−30 15.6	1.961	2.847	12.0	20.7
8 19	18 49.23	−30 10.3	2.050	2.848	14.8	20.9

382548 2001 UP_{182} 7 10.3 294.°66 1.°6/ 9.8 18

6 10	19 43.33	−24 1.2	1.521	2.428	13.6	20.9
6 20	19 37.56	−24 36.2	1.439	2.406	9.7	20.6
6 30	19 29.18	−25 14.6	1.379	2.383	5.2	20.3
7 10	19 19.10	−25 51.7	1.344	2.360	1.6	20.0
7 20	19 8.53	−26 23.0	1.335	2.337	5.5	20.2
7 30	18 58.94	−26 45.5	1.350	2.314	10.3	20.4
8 9	18 51.60	−26 58.5	1.388	2.291	14.8	20.6
8 19	18 47.35	−27 2.9	1.444	2.269	18.6	20.8

173552 2000 YF_{51} 7 10.3 210.°45 1.°0/ 9.9 17

6 10	19 46.49	−23 43.5	1.806	2.701	12.5	21.2
6 20	19 39.26	−24 3.8	1.734	2.695	8.8	20.9
6 30	19 29.84	−24 25.4	1.686	2.688	4.6	20.7
7 10	19 19.12	−24 44.6	1.665	2.681	1.0	20.4
7 20	19 8.22	−24 58.6	1.672	2.673	4.6	20.7
7 30	18 58.37	−25 6.1	1.705	2.665	8.9	20.9
8 9	18 50.56	−25 7.1	1.762	2.656	12.7	21.1
8 19	18 45.45	−25 2.9	1.840	2.646	16.0	21.3

148449 2000 YQ_{5} 7 10.3 144.°39 1.°4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 43.24	−27 9.4	2.408	3.298	9.9	19.7
6 20	19 36.45	−27 6.0	2.344	3.303	7.0	19.6
6 30	19 28.15	−26 59.8	2.307	3.307	3.7	19.4
7 10	19 19.07	−26 49.2	2.297	3.312	1.4	19.2
7 20	19 10.04	−26 33.2	2.316	3.316	3.8	19.4
7 30	19 1.90	−26 11.9	2.364	3.320	7.0	19.6
8 9	18 55.34	−25 46.5	2.436	3.324	9.9	19.8
8 19	18 50.80	−25 18.3	2.531	3.327	12.4	20.0

442110 2010 TM_{154} 7 10.3 234.°00 2.°7/ 9.2 18

6 10	19 42.44	−31 18.1	2.782	3.668	8.9	21.7
6 20	19 35.93	−31 38.2	2.703	3.656	6.4	21.6
6 30	19 27.93	−31 54.1	2.650	3.644	4.0	21.4
7 10	19 19.08	−32 3.3	2.625	3.631	2.7	21.3
7 20	19 10.12	−32 4.0	2.629	3.618	4.3	21.4
7 30	19 1.84	−31 55.7	2.661	3.605	6.9	21.5
8 9	18 54.95	−31 39.4	2.719	3.591	9.5	21.7
8 19	18 49.93	−31 16.6	2.799	3.577	11.8	21.8

185282 2006 US_{198} 7 10.3 167.°90 0.°8/10.6 18

6 10	19 40.69	−18 52.2	2.487	3.373	9.8	21.8
6 20	19 34.66	−19 0.1	2.420	3.376	6.9	21.6
6 30	19 27.24	−19 11.7	2.379	3.378	3.7	21.4
7 10	19 19.07	−19 25.3	2.365	3.381	0.9	21.2
7 20	19 10.85	−19 39.6	2.380	3.383	3.3	21.4
7 30	19 3.34	−19 53.2	2.423	3.384	6.5	21.6
8 9	18 57.19	−20 5.4	2.492	3.385	9.5	21.8
8 19	18 52.86	−20 15.7	2.583	3.386	12.0	21.9

112076 2002 JG_{22} 7 10.3 20.°15 0.°3/10.2 17

6 10	19 40.91	−21 24.6	0.984	1.912	17.3	19.0
6 20	19 36.13	−21 47.7	0.943	1.918	12.1	18.7
6 30	19 28.41	−22 16.9	0.921	1.927	6.3	18.4
7 10	19 19.10	−22 47.4	0.920	1.936	0.3	18.0
7 20	19 9.87	−23 14.4	0.941	1.947	6.0	18.5
7 30	19 2.41	−23 34.9	0.983	1.959	11.6	18.8
8 9	18 57.95	−23 48.0	1.045	1.972	16.4	19.2
8 19	18 57.03	−23 53.9	1.124	1.987	20.4	19.5

92359 2000 HC_{24} 7 10.3 339.°31 11.°5/ 5.6 18

6 10	19 32.34	−35 52.1	0.749	1.695	18.8	17.4
6 20	19 31.58	−37 50.5	0.688	1.665	15.0	17.0
6 30	19 26.79	−39 44.3	0.644	1.637	12.1	16.7
7 10	19 19.06	−41 17.0	0.617	1.612	11.9	16.6
7 20	19 10.44	−42 13.8	0.606	1.590	14.9	16.7
7 30	19 3.64	−42 27.0	0.611	1.570	19.5	16.8
8 9	19 1.03	−41 58.6	0.629	1.554	24.2	17.0
8 19	19 3.72	−40 56.2	0.658	1.541	28.5	17.2

454971 2015 TE_{206} 7 10.3 347.°57 4.°0/11.4 15

6 10	19 36.80	−12 41.9	1.533	2.432	14.0	20.4
6 20	19 32.63	−12 27.1	1.463	2.420	10.5	20.1
6 30	19 26.44	−12 24.1	1.415	2.409	6.7	19.9
7 10	19 19.05	−12 32.8	1.391	2.399	4.1	19.7
7 20	19 11.49	−12 51.9	1.391	2.391	5.7	19.8
7 30	19 4.87	−13 18.9	1.416	2.384	9.5	20.0
8 9	19 0.15	−13 50.8	1.462	2.378	13.4	20.2
8 19	18 57.95	−14 24.6	1.528	2.373	16.8	20.4

479870 2014 GG_{40} 7 10.3 15.°93 4.°3/ 8.5 17

6 10	19 41.65	−30 47.6	1.756	2.660	12.2	20.4
6 20	19 35.98	−31 50.7	1.702	2.664	8.9	20.2
6 30	19 28.16	−32 50.0	1.672	2.667	5.6	20.0
7 10	19 19.12	−33 39.6	1.667	2.672	4.3	19.9
7 20	19 9.97	−34 15.5	1.689	2.676	6.5	20.1
7 30	19 1.94	−34 35.7	1.735	2.681	9.8	20.3
8 9	18 56.00	−34 41.3	1.804	2.687	13.0	20.5
8 19	18 52.75	−34 34.8	1.893	2.693	15.8	20.7

304401 2006 TW_{23} 7 10.3 152.°37 4.°1/ 8.6 18

6 10	19 43.31	−32 49.5	2.205	3.097	10.7	20.9
6 20	19 36.83	−33 38.5	2.145	3.099	7.8	20.8
6 30	19 28.50	−34 22.3	2.111	3.101	5.2	20.6
7 10	19 19.13	−34 56.4	2.103	3.103	4.1	20.5
7 20	19 9.67	−35 17.8	2.123	3.105	5.8	20.7
7 30	19 1.15	−35 25.5	2.169	3.106	8.6	20.8
8 9	18 54.42	−35 20.8	2.239	3.108	11.4	21.0
8 19	18 50.03	−35 6.0	2.330	3.110	13.8	21.2

411625 2011 US_{61} 7 10.3 193.°00 2.°6/11.0 17

6 10	19 45.87	−14 57.8	1.767	2.650	13.3	22.3
6 20	19 38.75	−14 59.6	1.697	2.649	9.6	22.1
6 30	19 29.56	−15 10.1	1.651	2.647	5.6	21.9
7 10	19 19.16	−15 27.6	1.631	2.643	2.6	21.7
7 20	19 8.62	−15 50.1	1.639	2.640	4.9	21.8
7 30	18 59.07	−16 15.3	1.673	2.635	8.9	22.0
8 9	18 51.48	−16 41.2	1.732	2.629	12.7	22.2
8 19	18 46.46	−17 6.5	1.811	2.623	15.9	22.4

368861 2006 OL_4 7 10.3 284.°44 0.°5/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 43.99	−20 13.6	1.498	2.402	14.0	20.9
6 20	19 37.98	−20 24.8	1.416	2.380	10.0	20.6
6 30	19 29.40	−20 41.7	1.356	2.359	5.4	20.3
7 10	19 19.16	−21 1.4	1.321	2.337	0.5	19.9
7 20	19 8.48	−21 20.7	1.311	2.315	5.1	20.1
7 30	18 58.77	−21 37.4	1.326	2.293	10.1	20.4
8 9	18 51.30	−21 50.4	1.363	2.271	14.7	20.6
8 19	18 46.88	−21 59.4	1.420	2.249	18.7	20.8

416889 2005 QG_{116} 7 10.3 331.°50 0.°3/10.2 18

6 10	19 37.34	−22 29.8	2.488	3.384	9.4	20.9
6 20	19 32.45	−22 42.7	2.410	3.372	6.6	20.7
6 30	19 26.16	−22 57.3	2.358	3.361	3.4	20.5
7 10	19 19.07	−23 11.9	2.333	3.350	0.3	20.2
7 20	19 11.86	−23 24.6	2.336	3.339	3.3	20.5
7 30	19 5.28	−23 34.5	2.366	3.329	6.6	20.7
8 9	18 59.99	−23 40.8	2.421	3.319	9.5	20.9
8 19	18 56.48	−23 43.7	2.499	3.309	12.1	21.0

256735 2008 AD_{137} 7 10.3 125.°13 4.°1/11.5 17

6 10	19 43.75	−11 53.6	1.556	2.442	14.6	20.7
6 20	19 37.33	−11 46.8	1.498	2.448	10.8	20.5
6 30	19 28.82	−11 52.6	1.463	2.454	6.9	20.3
7 10	19 19.15	−12 10.1	1.452	2.460	4.1	20.1
7 20	19 9.44	−12 37.2	1.468	2.465	5.8	20.3
7 30	19 0.88	−13 10.8	1.508	2.471	9.6	20.5
8 9	18 54.41	−13 48.0	1.572	2.476	13.3	20.7
8 19	18 50.60	−14 25.8	1.655	2.481	16.6	21.0

410206 2007 RT_{211} 7 10.3 145.°14 2.°0/10.9 17

6 10	19 46.41	−16 32.4	1.729	2.616	13.3	21.7
6 20	19 39.02	−16 31.7	1.672	2.627	9.5	21.4
6 30	19 29.63	−16 38.1	1.639	2.637	5.4	21.2
7 10	19 19.17	−16 49.6	1.632	2.646	2.1	21.0
7 20	19 8.75	−17 4.3	1.653	2.655	4.6	21.2
7 30	18 59.47	−17 20.5	1.700	2.662	8.7	21.5
8 9	18 52.25	−17 36.8	1.771	2.670	12.4	21.7
8 19	18 47.62	−17 52.2	1.863	2.676	15.5	21.9

125923 2001 XW_{235} 7 10.3 275.°29 1.°8/ 9.8 18

6 10	19 43.86	−25 9.0	1.645	2.549	13.0	20.1
6 20	19 37.62	−25 38.5	1.576	2.541	9.1	19.8
6 30	19 29.08	−26 8.8	1.531	2.534	4.9	19.6
7 10	19 19.17	−26 35.6	1.512	2.527	1.8	19.3
7 20	19 9.07	−26 55.4	1.518	2.519	5.1	19.5
7 30	19 0.06	−27 6.4	1.550	2.512	9.5	19.8
8 9	18 53.21	−27 8.9	1.605	2.504	13.4	20.0
8 19	18 49.19	−27 4.1	1.680	2.497	16.8	20.2

249804 2001 AG_{30} 7 10.3 197.°42 0.°2/10.2 18

6 10	19 40.98	−22 51.2	3.041	3.925	8.3	21.2
6 20	19 34.71	−22 51.8	2.965	3.922	5.8	21.0
6 30	19 27.25	−22 52.6	2.916	3.918	3.0	20.8
7 10	19 19.12	−22 52.5	2.896	3.913	0.2	20.5
7 20	19 10.95	−22 50.4	2.906	3.908	2.9	20.8
7 30	19 3.38	−22 45.9	2.945	3.903	5.7	21.0
8 9	18 56.96	−22 39.1	3.011	3.897	8.2	21.1
8 19	18 52.11	−22 30.3	3.100	3.890	10.4	21.3

482727 2013 EJ_{57} 7 10.3 221.°56 2.°6/ 9.3 18

6 10	19 42.36	−29 46.3	2.401	3.293	9.9	22.0
6 20	19 36.02	−30 10.7	2.331	3.289	7.1	21.8
6 30	19 28.04	−30 31.8	2.287	3.284	4.2	21.7
7 10	19 19.15	−30 46.4	2.270	3.279	2.6	21.5
7 20	19 10.17	−30 52.6	2.282	3.274	4.6	21.7
7 30	19 2.00	−30 49.7	2.320	3.269	7.5	21.8
8 9	18 55.40	−30 38.5	2.384	3.264	10.4	22.0
8 19	18 50.89	−30 20.6	2.469	3.258	12.8	22.2

188995 2008 HB_{20} 7 10.3 2.°46 2.°4/11.4 18

6 10	19 38.56	−13 14.6	2.053	2.938	11.6	19.7
6 20	19 33.44	−13 42.7	1.986	2.938	8.5	19.5
6 30	19 26.73	−14 21.0	1.943	2.938	5.1	19.3
7 10	19 19.11	−15 7.4	1.927	2.938	2.5	19.1
7 20	19 11.38	−15 59.0	1.937	2.939	4.1	19.3
7 30	19 4.39	−16 52.6	1.975	2.939	7.5	19.5
8 9	18 58.92	−17 45.2	2.037	2.941	10.8	19.7
8 19	18 55.46	−18 34.6	2.121	2.942	13.6	19.9

522664 2016 GU_{264} 7 10.3 55.°75 4.°8/11.5 17

6 10	19 43.15	−11 32.5	1.356	2.249	15.9	21.4
6 20	19 37.12	−11 14.6	1.301	2.254	11.9	21.2
6 30	19 28.79	−11 10.9	1.268	2.259	7.7	20.9
7 10	19 19.17	−11 21.1	1.258	2.264	4.9	20.8
7 20	19 9.53	−11 43.4	1.272	2.270	6.5	20.9
7 30	19 1.17	−12 14.6	1.311	2.276	10.5	21.1
8 9	18 55.13	−12 51.2	1.371	2.282	14.5	21.4
8 19	18 51.99	−13 29.7	1.450	2.288	18.0	21.6

48503 1993 FN_6 7 10.3 46.°23 5.°5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 46.55	−32 48.6	1.370	2.278	14.8	19.2
6 20	19 39.80	−33 38.5	1.322	2.284	10.9	19.0
6 30	19 30.27	−34 20.6	1.297	2.290	7.1	18.8
7 10	19 19.22	−34 47.8	1.294	2.297	5.5	18.7
7 20	19 8.20	−34 56.2	1.316	2.304	7.8	18.9
7 30	18 58.83	−34 45.5	1.362	2.312	11.6	19.1
8 9	18 52.29	−34 19.3	1.429	2.319	15.3	19.3
8 19	18 49.16	−33 42.2	1.514	2.327	18.5	19.6

472339 2015 AR_{241} 7 10.3 38.°73 5.°8/ 9.8 17

6 10	19 48.99	−35 54.3	1.285	2.190	15.8	19.9
6 20	19 41.28	−35 56.0	1.250	2.208	11.7	19.7
6 30	19 30.84	−35 43.6	1.235	2.227	7.8	19.6
7 10	19 19.23	−35 12.9	1.245	2.247	5.8	19.5
7 20	19 8.13	−34 23.7	1.278	2.267	7.8	19.7
7 30	18 59.10	−33 19.7	1.335	2.289	11.4	19.9
8 9	18 53.13	−32 7.0	1.414	2.310	15.0	20.2
8 19	18 50.60	−30 51.3	1.511	2.333	18.1	20.5

335547 2006 BA_{90} 7 10.3 158.°40 0.°6/10.5 17

6 10	19 42.78	−19 7.8	1.856	2.750	12.2	21.7
6 20	19 36.53	−19 29.8	1.792	2.752	8.6	21.5
6 30	19 28.38	−19 57.1	1.753	2.755	4.6	21.2
7 10	19 19.17	−20 27.1	1.740	2.757	0.7	20.9
7 20	19 9.88	−20 56.9	1.755	2.759	4.1	21.2
7 30	19 1.55	−21 24.2	1.796	2.760	8.2	21.4
8 9	18 55.05	−21 47.8	1.861	2.762	11.8	21.7
8 19	18 50.94	−22 7.0	1.948	2.763	14.9	21.9

15809 1994 JS 7 10.3 356.°22 0.°3/ 8.7 01 C

6 10	19 22.20	−33 23.3	32.213	33.095	0.9	23.1
6 20	19 21.19	−33 27.0	32.146	33.095	0.6	23.1
6 30	19 20.09	−33 30.4	32.107	33.094	0.4	23.0
7 10	19 18.94	−33 33.1	32.096	33.093	0.3	23.0
7 20	19 17.79	−33 35.3	32.113	33.093	0.5	23.0
7 30	19 16.69	−33 36.7	32.159	33.092	0.7	23.1
8 9	19 15.67	−33 37.4	32.231	33.091	0.9	23.1
8 19	19 14.77	−33 37.3	32.328	33.091	1.2	23.1

346779 2009 BU_{114} 7 10.3 233.°64 2.°8/ 9.4 18

6 10	19 43.99	−29 16.1	2.042	2.938	11.2	21.4
6 20	19 37.39	−29 40.4	1.973	2.933	8.0	21.2
6 30	19 28.85	−30 1.3	1.929	2.927	4.7	21.0
7 10	19 19.20	−30 15.2	1.911	2.922	2.8	20.8
7 20	19 9.45	−30 19.6	1.921	2.916	5.0	21.0
7 30	19 0.67	−30 14.0	1.958	2.910	8.5	21.2
8 9	18 53.75	−29 59.3	2.018	2.904	11.7	21.4
8 19	18 49.26	−29 37.9	2.100	2.898	14.5	21.5

71102 1999 XH_{144} 7 10.3 263.°42 5.°7/ 7.5 18

6 10	19 45.71	−35 16.8	2.022	2.911	11.6	18.6
6 20	19 38.99	−36 34.5	1.946	2.894	8.8	18.4
6 30	19 29.89	−37 46.8	1.894	2.876	6.5	18.2
7 10	19 19.24	−38 47.1	1.869	2.859	5.8	18.1
7 20	19 8.15	−39 30.0	1.871	2.840	7.6	18.2
7 30	18 57.93	−39 53.3	1.899	2.822	10.5	18.3
8 9	18 49.74	−39 58.2	1.949	2.803	13.4	18.5
8 19	18 44.35	−39 48.0	2.019	2.784	16.0	18.6

394200 2006 SF_{85} 7 10.3 167.°15 2.°9/11.4 18

6 10	19 40.19	−13 10.3	2.081	2.962	11.7	21.6
6 20	19 34.54	−13 11.7	2.014	2.963	8.6	21.4
6 30	19 27.30	−13 21.9	1.971	2.963	5.3	21.2
7 10	19 19.17	−13 40.1	1.954	2.963	2.9	21.0
7 20	19 10.96	−14 4.4	1.965	2.964	4.4	21.1
7 30	19 3.53	−14 32.9	2.002	2.964	7.7	21.3
8 9	18 57.64	−15 3.4	2.064	2.964	10.8	21.5
8 19	18 53.78	−15 34.0	2.148	2.964	13.6	21.7

89164 2001 UX_{49} 7 10.3 177.°36 1.°5/ 9.6 18

6 10	19 41.55	−24 40.4	2.288	3.182	10.2	19.6
6 20	19 35.51	−25 27.5	2.222	3.183	7.1	19.4
6 30	19 27.82	−26 15.7	2.182	3.184	3.8	19.2
7 10	19 19.19	−27 1.4	2.170	3.184	1.5	19.0
7 20	19 10.42	−27 41.4	2.186	3.184	4.1	19.2
7 30	19 2.42	−28 13.7	2.229	3.184	7.4	19.4
8 9	18 55.96	−28 37.6	2.298	3.184	10.4	19.6
8 19	18 51.57	−28 53.6	2.388	3.184	13.0	19.8

187836 1999 VM_{147} 7 10.3 281.°55 4.°0/11.6 18

6 10	19 39.03	−10 14.1	2.275	3.146	11.2	20.1
6 20	19 33.68	− 9 57.3	2.196	3.135	8.5	19.9
6 30	19 26.85	− 9 49.9	2.142	3.125	5.8	19.7
7 10	19 19.16	− 9 52.2	2.114	3.114	4.0	19.6
7 20	19 11.33	−10 3.4	2.113	3.104	5.0	19.6
7 30	19 4.15	−10 22.3	2.139	3.093	7.7	19.8
8 9	18 58.32	−10 46.7	2.189	3.083	10.6	19.9
8 19	18 54.34	−11 14.5	2.262	3.073	13.2	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
191720 2004 RG_{224}			7 10.3 322°.95		4°.9/ 8.5 17	
	h m	° ′			°	m
6 10	19 42.68	−30 3.7	1.410	2.322	14.1	19.6
6 20	19 37.31	−31 13.8	1.343	2.308	10.3	19.3
6 30	19 29.16	−32 22.5	1.298	2.295	6.5	19.1
7 10	19 19.23	−33 21.9	1.277	2.283	4.9	18.9
7 20	19 8.91	−34 5.5	1.280	2.271	7.6	19.1
7 30	18 59.80	−34 30.1	1.307	2.259	11.8	19.3
8 9	18 53.26	−34 36.6	1.355	2.248	15.8	19.5
8 19	18 50.09	−34 27.9	1.420	2.238	19.2	19.7
182919 2002 EM_{133}			7 10.3 337°.89		3°.9/11.7 18	
6 10	19 38.71	−10 28.3	2.104	2.979	11.8	19.9
6 20	19 33.51	−10 22.4	2.034	2.976	8.9	19.7
6 30	19 26.77	−10 27.2	1.988	2.974	5.9	19.5
7 10	19 19.16	−10 42.2	1.968	2.971	3.9	19.4
7 20	19 11.46	−11 6.2	1.975	2.969	5.0	19.5
7 30	19 4.49	−11 37.1	2.008	2.967	7.8	19.6
8 9	18 58.98	−12 12.3	2.066	2.965	10.9	19.8
8 19	18 55.42	−12 49.3	2.145	2.963	13.6	20.0
157907 1999 TY_{154}			7 10.3 224°.20		4°.3/12.1 18	R
6 10	19 38.55	− 6 25.9	2.906	3.753	9.7	20.9
6 20	19 33.09	− 6 10.7	2.824	3.743	7.6	20.8
6 30	19 26.47	− 6 5.2	2.766	3.733	5.6	20.6
7 10	19 19.17	− 6 9.6	2.735	3.723	4.3	20.5
7 20	19 11.76	− 6 23.4	2.733	3.712	4.9	20.5
7 30	19 4.84	− 6 45.5	2.758	3.701	6.8	20.7
8 9	18 58.97	− 7 13.9	2.810	3.689	9.0	20.8
8 19	18 54.56	− 7 46.6	2.884	3.677	11.1	20.9
292265 2006 SX_{106}			7 10.3 105°.39		4°.6/11.8 17	
6 10	19 44.03	−10 15.1	1.599	2.479	14.6	20.8
6 20	19 37.43	−10 6.5	1.548	2.492	11.0	20.6
6 30	19 28.85	−10 11.7	1.519	2.506	7.2	20.4
7 10	19 19.24	−10 29.9	1.515	2.519	4.7	20.3
7 20	19 9.67	−10 58.9	1.537	2.531	6.0	20.4
7 30	19 1.27	−11 35.8	1.584	2.544	9.4	20.6
8 9	18 54.91	−12 16.9	1.654	2.556	13.0	20.9
8 19	18 51.11	−12 59.2	1.745	2.568	16.0	21.1
479674 2014 DD_{82}			7 10.3 123°.79		2°.1/ 9.6 16	
6 10	19 43.57	−26 56.2	1.923	2.822	11.6	21.5
6 20	19 37.10	−27 21.7	1.863	2.825	8.2	21.3
6 30	19 28.70	−27 45.5	1.827	2.828	4.5	21.1
7 10	19 19.24	−28 4.2	1.818	2.831	2.1	20.9
7 20	19 9.75	−28 15.2	1.836	2.834	4.8	21.1
7 30	19 1.29	−28 17.5	1.880	2.837	8.4	21.3
8 9	18 54.75	−28 12.0	1.948	2.840	11.8	21.5
8 19	18 50.67	−28 0.0	2.037	2.843	14.6	21.7
184859 2005 UU_{72}			7 10.3 318°.50		1°.9/ 9.6 18	
6 10	19 40.63	−25 45.8	1.886	2.789	11.6	19.5
6 20	19 35.22	−26 19.5	1.812	2.776	8.2	19.3
6 30	19 27.83	−26 53.8	1.761	2.763	4.5	19.0
7 10	19 19.23	−27 24.9	1.737	2.751	1.9	18.8
7 20	19 10.41	−27 49.5	1.739	2.739	4.8	19.0
7 30	19 2.46	−28 5.7	1.767	2.727	8.6	19.2
8 9	18 56.33	−28 13.3	1.819	2.716	12.2	19.4
8 19	18 52.65	−28 13.2	1.891	2.705	15.3	19.6
333144 2012 AE_{12}			7 10.3 254°.33		3°.2/10.7 17	
6 10	19 46.24	−16 37.3	1.406	2.303	15.2	20.5
6 20	19 39.40	−15 56.2	1.339	2.297	11.0	20.2
6 30	19 30.07	−15 21.3	1.294	2.292	6.5	20.0
7 10	19 19.30	−14 52.9	1.274	2.286	3.3	19.7
7 20	19 8.40	−14 31.2	1.279	2.280	5.9	19.9
7 30	18 58.77	−14 16.2	1.309	2.274	10.5	20.1
8 9	18 51.54	−14 7.2	1.361	2.268	14.8	20.4
8 19	18 47.38	−14 3.3	1.432	2.261	18.5	20.6
519210 2010 SH_{44}			7 10.3 197°.19		6°.5/ 7.1 18	
6 10	19 46.50	−45 22.7	2.918	3.769	9.6	22.2
6 20	19 38.98	−46 11.6	2.858	3.766	8.0	22.1
6 30	19 29.64	−46 48.8	2.822	3.763	6.8	22.0
7 10	19 19.28	−47 10.3	2.813	3.759	6.5	22.0
7 20	19 8.84	−47 13.8	2.830	3.755	7.4	22.1
7 30	18 59.31	−46 59.6	2.873	3.751	8.9	22.2
8 9	18 51.52	−46 29.9	2.939	3.746	10.6	22.3
8 19	18 46.02	−45 48.2	3.026	3.741	12.2	22.4
476338 2008 AB_{53}			7 10.3 314°.91		2°.1/11.4 18	
6 10	19 40.07	−12 52.8	1.775	2.662	13.0	20.4
6 20	19 34.89	−13 54.2	1.695	2.649	9.5	20.2
6 30	19 27.70	−15 10.7	1.638	2.635	5.5	19.9
7 10	19 19.23	−16 38.5	1.608	2.622	2.2	19.7
7 20	19 10.40	−18 12.4	1.606	2.609	4.5	19.8
7 30	19 2.32	−19 46.5	1.630	2.597	8.6	20.0
8 9	18 55.96	−21 15.7	1.679	2.585	12.5	20.2
8 19	18 52.02	−22 36.6	1.749	2.573	15.9	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
235338 2003 UL_{216}			7 10.3 228°.29		2°.0/ 9.7 18	
	h m	° ′			°	m
6 10	19 43.91	−26 52.7	1.928	2.826	11.7	20.4
6 20	19 37.39	−27 11.7	1.861	2.822	8.2	20.2
6 30	19 28.88	−27 29.1	1.818	2.819	4.5	19.9
7 10	19 19.26	−27 41.4	1.802	2.816	2.0	19.8
7 20	19 9.55	−27 46.3	1.813	2.812	4.7	19.9
7 30	19 0.85	−27 43.1	1.850	2.808	8.5	20.2
8 9	18 54.05	−27 32.4	1.912	2.804	11.9	20.4
8 19	18 49.74	−27 16.1	1.994	2.800	14.9	20.6
92716 2000 QP_{91}			7 10.3 247°.48		0°.9/10.0 18	
6 10	19 44.90	−24 9.8	2.071	2.963	11.2	20.6
6 20	19 38.09	−24 22.5	1.986	2.946	7.9	20.4
6 30	19 29.30	−24 35.7	1.927	2.928	4.2	20.1
7 10	19 19.30	−24 46.6	1.894	2.910	0.9	19.9
7 20	19 9.04	−24 52.8	1.889	2.891	4.2	20.1
7 30	18 59.60	−24 53.4	1.912	2.871	8.1	20.3
8 9	18 51.89	−24 48.6	1.960	2.851	11.7	20.5
8 19	18 46.57	−24 39.4	2.029	2.831	14.8	20.6
273929 2007 JH_{4}			7 10.3 56°.89		7°.5/ 6.3 18	
6 10	19 47.44	−35 5.4	1.564	2.462	13.9	19.6
6 20	19 40.61	−37 24.0	1.520	2.471	10.6	19.4
6 30	19 30.89	−39 35.1	1.500	2.480	8.1	19.3
7 10	19 19.35	−41 27.5	1.507	2.489	7.7	19.3
7 20	19 7.46	−42 53.1	1.539	2.499	9.8	19.5
7 30	18 56.89	−43 49.1	1.595	2.508	12.7	19.7
8 9	18 49.01	−44 17.8	1.672	2.518	15.7	19.9
8 19	18 44.62	−44 24.6	1.767	2.528	18.2	20.1
333987 2000 SP_{174}			7 10.3 273°.61		7°.4/11.7 18	
6 10	19 42.34	− 4 7.3	1.900	2.751	13.9	21.1
6 20	19 36.36	− 3 17.2	1.810	2.727	11.3	20.9
6 30	19 28.44	− 2 41.2	1.743	2.704	8.8	20.7
7 10	19 19.28	− 2 21.8	1.701	2.679	7.4	20.5
7 20	19 9.76	− 2 20.2	1.684	2.654	8.2	20.5
7 30	19 0.92	− 2 35.7	1.692	2.629	10.6	20.6
8 9	18 53.68	− 3 5.6	1.724	2.604	13.6	20.7
8 19	18 48.72	− 3 46.0	1.776	2.578	16.6	20.9
370023 2000 EH_{178}			7 10.3 185°.53		1°.3/ 9.9 17	
6 10	19 46.13	−24 44.1	1.880	2.774	12.1	22.0
6 20	19 38.94	−25 3.8	1.814	2.775	8.5	21.8
6 30	19 29.71	−25 23.5	1.772	2.774	4.5	21.6
7 10	19 19.31	−25 39.8	1.758	2.773	1.3	21.3
7 20	19 8.83	−25 50.3	1.771	2.772	4.5	21.6
7 30	18 59.41	−25 53.7	1.811	2.770	8.5	21.8
8 9	18 51.97	−25 50.6	1.875	2.767	12.1	22.0
8 19	18 47.11	−25 42.3	1.960	2.764	15.2	22.2
92187 1999 XB_{212}			7 10.3 235°.49		4°.2/ 8.8 18	
6 10	19 43.45	−35 25.8	2.524	3.407	9.8	19.9
6 20	19 36.82	−35 51.4	2.455	3.402	7.3	19.7
6 30	19 28.51	−36 10.0	2.411	3.396	5.1	19.6
7 10	19 19.28	−36 18.2	2.395	3.390	4.2	19.5
7 20	19 9.98	−36 14.2	2.406	3.384	5.6	19.6
7 30	19 1.55	−35 57.6	2.445	3.378	8.0	19.7
8 9	18 54.75	−35 30.4	2.507	3.372	10.5	19.9
8 19	18 50.08	−34 55.1	2.592	3.365	12.7	20.1
34247 2000 QC_{103}			7 10.3 99°.37		1°.3/10.9 18	
6 10	19 40.17	−16 26.0	2.155	3.043	11.0	18.3
6 20	19 34.54	−16 57.5	2.092	3.047	7.9	18.1
6 30	19 27.34	−17 36.2	2.053	3.052	4.3	17.9
7 10	19 19.26	−18 19.5	2.041	3.056	1.3	17.7
7 20	19 11.09	−19 4.6	2.058	3.061	3.7	17.8
7 30	19 3.70	−19 48.7	2.101	3.065	7.2	18.1
8 9	18 57.82	−20 29.9	2.170	3.070	10.4	18.3
8 19	18 53.94	−21 6.7	2.261	3.074	13.1	18.5
338844 2003 XX_{5}			7 10.3 158°.48		4°.2/10.9 18	
6 10	19 44.99	−11 40.0	2.246	3.112	11.5	20.4
6 20	19 37.71	−10 41.6	2.180	3.117	8.7	20.3
6 30	19 28.91	− 9 50.1	2.139	3.121	5.9	20.1
7 10	19 19.31	− 9 6.8	2.126	3.125	4.2	20.0
7 20	19 9.74	− 8 32.6	2.142	3.129	5.4	20.1
7 30	19 1.02	− 8 7.9	2.186	3.132	8.1	20.2
8 9	18 53.87	− 7 51.9	2.255	3.135	10.9	20.4
8 19	18 48.73	− 7 43.3	2.346	3.137	13.4	20.6
260650 2005 GG_{151}			7 10.3 157°.20		0°.3/10.2 17	
6 10	19 46.09	−21 26.3	1.798	2.692	12.6	21.9
6 20	19 38.92	−21 54.6	1.738	2.699	8.8	21.7
6 30	19 29.70	−22 26.3	1.703	2.705	4.6	21.4
7 10	19 19.34	−22 57.8	1.694	2.711	0.3	21.1
7 20	19 8.93	−23 25.9	1.713	2.716	4.4	21.4
7 30	18 59.61	−23 48.6	1.758	2.720	8.5	21.7
8 9	18 52.31	−24 5.2	1.828	2.724	12.2	21.9
8 19	18 47.60	−24 16.3	1.919	2.727	15.3	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
261779 2006 BQ_{121}			7 10.3 284.°17		2.°0/11.2 18	
	h m	° ′			°	m
6 10	19 39.34	−14 29.9	2.347	3.228	10.5	20.8
6 20	19 34.03	−14 52.3	2.255	3.206	7.7	20.5
6 30	19 27.14	−15 23.1	2.189	3.184	4.5	20.3
7 10	19 19.27	−16 0.8	2.149	3.161	2.0	20.1
7 20	19 11.13	−16 43.1	2.137	3.139	3.8	20.2
7 30	19 3.53	−17 27.4	2.154	3.116	7.1	20.4
8 9	18 57.23	−18 11.5	2.195	3.093	10.4	20.5
8 19	18 52.80	−18 53.5	2.260	3.071	13.2	20.7
48258 2001 WA_{31}			7 10.3 107.°00		0.°9/10.6 18	
6 10	19 43.21	−18 22.0	1.671	2.568	13.2	18.8
6 20	19 36.99	−18 47.2	1.612	2.573	9.3	18.6
6 30	19 28.73	−19 19.4	1.577	2.579	5.0	18.4
7 10	19 19.32	−19 55.2	1.568	2.584	0.9	18.1
7 20	19 9.86	−20 31.3	1.585	2.590	4.4	18.4
7 30	19 1.47	−21 4.9	1.629	2.595	8.7	18.6
8 9	18 55.09	−21 34.3	1.696	2.600	12.5	18.9
8 19	18 51.30	−21 58.8	1.783	2.605	15.8	19.1
21863 1999 TC_{194}			7 10.3 52.°80		2.°2/ 9.6 18	
6 10	19 41.85	−28 0.8	2.149	3.046	10.7	18.5
6 20	19 35.76	−28 21.4	2.090	3.051	7.5	18.3
6 30	19 27.99	−28 39.6	2.056	3.055	4.2	18.1
7 10	19 19.31	−28 52.2	2.048	3.061	2.2	17.9
7 20	19 10.62	−28 57.5	2.069	3.066	4.5	18.1
7 30	19 2.87	−28 54.7	2.116	3.071	7.7	18.3
8 9	18 56.82	−28 44.6	2.187	3.076	10.8	18.5
8 19	18 52.96	−28 28.7	2.280	3.082	13.4	18.7
324994 2008 BV_{14}			7 10.3 203.°34		3.°7/11.4 17	
6 10	19 43.99	−12 43.2	1.640	2.525	14.0	21.6
6 20	19 37.59	−12 35.9	1.573	2.523	10.4	21.4
6 30	19 29.08	−12 39.7	1.528	2.520	6.5	21.1
7 10	19 19.35	−12 53.9	1.509	2.518	3.8	21.0
7 20	19 9.47	−13 16.7	1.516	2.514	5.5	21.1
7 30	19 0.61	−13 45.6	1.548	2.511	9.4	21.3
8 9	18 53.75	−14 17.8	1.604	2.507	13.2	21.5
8 19	18 49.50	−14 51.0	1.680	2.503	16.5	21.7
397760 2008 GS_{9}			7 10.3 203.°89		4.°0/11.9 18	
6 10	19 39.08	− 9 15.1	2.372	3.238	11.0	21.3
6 20	19 33.65	− 9 4.7	2.302	3.237	8.4	21.1
6 30	19 26.85	− 9 4.5	2.256	3.236	5.7	21.0
7 10	19 19.28	− 9 14.2	2.236	3.234	4.1	20.9
7 20	19 11.63	− 9 33.0	2.243	3.233	4.9	20.9
7 30	19 4.64	− 9 59.0	2.278	3.231	7.4	21.1
8 9	18 58.96	−10 30.1	2.338	3.230	10.1	21.2
8 19	18 55.04	−11 4.0	2.420	3.228	12.5	21.4
283123 2008 VD_{57}			7 10.3 290.°41		0.°8/10.1 17	
6 10	19 42.46	−22 34.5	1.729	2.631	12.5	20.5
6 20	19 36.59	−23 4.8	1.659	2.624	8.8	20.3
6 30	19 28.60	−23 38.4	1.613	2.616	4.6	20.0
7 10	19 19.34	−24 11.7	1.593	2.609	0.8	19.7
7 20	19 9.87	−24 41.1	1.599	2.602	4.6	20.0
7 30	19 1.38	−25 4.4	1.631	2.594	8.9	20.2
8 9	18 54.87	−25 20.7	1.686	2.587	12.8	20.5
8 19	18 50.96	−25 30.5	1.761	2.580	16.0	20.7
131623 2001 XG_{46}			7 10.3 221.°17		4.°7/ 9.0 17	
6 10	19 49.08	−31 51.7	1.562	2.461	13.8	19.9
6 20	19 41.59	−32 36.7	1.497	2.455	10.1	19.7
6 30	19 31.33	−33 15.9	1.454	2.448	6.5	19.5
7 10	19 19.43	−33 42.7	1.437	2.441	4.8	19.3
7 20	19 7.31	−33 52.8	1.445	2.434	7.2	19.5
7 30	18 56.55	−33 45.4	1.478	2.426	11.0	19.7
8 9	18 48.40	−33 23.1	1.534	2.417	14.8	19.9
8 19	18 43.59	−32 50.3	1.608	2.408	18.1	20.1
52076 2002 RE_{29}			7 10.3 309.°55		6.°9/ 7.9 18	
6 10	19 45.61	−36 36.0	1.635	2.532	13.4	18.2
6 20	19 39.52	−37 34.2	1.546	2.497	10.4	17.9
6 30	19 30.48	−38 25.0	1.479	2.463	7.8	17.7
7 10	19 19.41	−39 0.5	1.437	2.428	6.9	17.5
7 20	19 7.67	−39 14.9	1.419	2.393	9.0	17.6
7 30	18 56.93	−39 5.8	1.424	2.359	12.4	17.7
8 9	18 48.70	−38 35.7	1.451	2.325	16.1	17.8
8 19	18 43.93	−37 49.6	1.496	2.291	19.5	18.0
373561 2001 WG_{31}			7 10.3 195.°40		1.°9/11.0 17	
6 10	19 43.43	−15 44.6	2.235	3.114	11.0	21.9
6 20	19 36.80	−15 50.4	2.161	3.111	8.0	21.7
6 30	19 28.54	−16 2.5	2.112	3.108	4.6	21.5
7 10	19 19.34	−16 19.6	2.091	3.104	1.9	21.3
7 20	19 10.02	−16 39.9	2.098	3.099	3.9	21.4
7 30	19 1.46	−17 1.8	2.134	3.094	7.3	21.6
8 9	18 54.42	−17 23.8	2.194	3.088	10.6	21.8
8 19	18 49.42	−17 44.9	2.278	3.081	13.3	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
164927 1999 XO_{92}			7 10.3 181.°52		0.°6/10.1 18	
	h m	° ′			°	m
6 10	19 42.70	−22 14.2	2.177	3.069	10.8	20.3
6 20	19 36.37	−22 47.5	2.110	3.069	7.5	20.1
6 30	19 28.34	−23 23.4	2.068	3.070	3.9	19.9
7 10	19 19.34	−23 58.7	2.053	3.070	0.6	19.6
7 20	19 10.22	−24 30.7	2.067	3.069	3.9	19.9
7 30	19 1.91	−24 57.4	2.109	3.068	7.5	20.1
8 9	18 55.22	−25 18.0	2.175	3.067	10.7	20.3
8 19	18 50.67	−25 32.6	2.264	3.066	13.5	20.5
238634 2005 CD_{48}			7 10.3 58.°40		1.°3/10.8 17	
6 10	19 42.24	−17 47.2	1.670	2.568	13.2	20.4
6 20	19 36.18	−17 59.7	1.624	2.584	9.3	20.2
6 30	19 28.23	−18 18.9	1.600	2.601	5.1	20.0
7 10	19 19.33	−18 42.2	1.602	2.617	1.4	19.8
7 20	19 10.51	−19 7.0	1.630	2.634	4.3	20.0
7 30	19 2.83	−19 31.2	1.684	2.651	8.4	20.3
8 9	18 57.13	−19 53.1	1.762	2.668	12.0	20.6
8 19	18 53.89	−20 11.9	1.860	2.685	15.1	20.8
85292 1994 RA_{18}			7 10.3 190.°70		1.°4/10.0 17	
6 10	19 48.28	−25 9.5	1.564	2.464	13.8	18.8
6 20	19 40.77	−25 22.6	1.501	2.463	9.7	18.6
6 30	19 30.80	−25 35.0	1.460	2.462	5.2	18.3
7 10	19 19.42	−25 42.9	1.445	2.461	1.4	18.0
7 20	19 7.95	−25 43.8	1.457	2.458	5.2	18.3
7 30	18 57.79	−25 36.8	1.494	2.456	9.7	18.6
8 9	18 50.05	−25 23.3	1.555	2.453	13.8	18.8
8 19	18 45.36	−25 5.2	1.635	2.449	17.3	19.0
416265 2003 FP_{52}			7 10.3 64.°68		1.°9/11.1 17	
6 10	19 43.50	−15 3.1	1.478	2.374	14.6	20.1
6 20	19 37.20	−15 41.6	1.437	2.396	10.4	19.9
6 30	19 28.81	−16 31.0	1.418	2.417	5.8	19.7
7 10	19 19.36	−17 27.2	1.424	2.439	2.0	19.5
7 20	19 10.02	−18 25.5	1.456	2.460	4.7	19.8
7 30	19 1.96	−19 21.7	1.514	2.482	9.1	20.1
8 9	18 56.11	−20 12.7	1.595	2.503	12.9	20.4
8 19	18 52.96	−20 57.0	1.696	2.525	16.1	20.6
438166 2005 TC_{10}			7 10.3 347.°20		4.°8/ 9.7 18	
6 10	19 41.36	−33 11.8	1.313	2.228	14.7	19.3
6 20	19 36.41	−33 12.1	1.246	2.213	10.9	19.0
6 30	19 28.68	−33 2.2	1.201	2.199	6.9	18.7
7 10	19 19.36	−32 37.6	1.179	2.186	4.8	18.6
7 20	19 9.92	−31 56.3	1.179	2.175	7.2	18.7
7 30	19 1.95	−31 0.2	1.203	2.166	11.4	18.9
8 9	18 56.68	−29 53.5	1.248	2.159	15.6	19.1
8 19	18 54.76	−28 41.3	1.310	2.153	19.2	19.3
343518 2010 EY_{125}			7 10.3 256.°99		0.°9/10.7 18	
6 10	19 42.26	−17 2.7	1.950	2.840	11.9	20.2
6 20	19 36.34	−17 45.7	1.869	2.826	8.5	20.0
6 30	19 28.47	−18 37.6	1.812	2.812	4.6	19.7
7 10	19 19.37	−19 35.2	1.782	2.798	1.0	19.4
7 20	19 9.96	−20 34.4	1.780	2.783	4.1	19.6
7 30	19 1.28	−21 31.6	1.805	2.768	8.2	19.9
8 9	18 54.26	−22 24.0	1.854	2.753	11.9	20.1
8 19	18 49.56	−23 10.1	1.926	2.738	15.1	20.2
465279 2007 TY_{180}			7 10.3 321.°91		5.°6/11.7 17	
6 10	19 38.84	−11 7.4	1.052	1.963	18.0	20.3
6 20	19 35.01	−10 57.4	0.977	1.938	13.7	20.0
6 30	19 28.21	−11 6.9	0.920	1.915	9.0	19.6
7 10	19 19.37	−11 36.7	0.883	1.892	5.7	19.4
7 20	19 9.89	−12 24.7	0.868	1.870	7.7	19.4
7 30	19 1.51	−13 26.3	0.874	1.849	12.7	19.6
8 9	18 55.79	−14 34.8	0.898	1.829	18.0	19.8
8 19	18 53.72	−15 44.1	0.939	1.811	22.7	20.0
164044 2003 US_{279}			7 10.3 344.°47		3.°4/ 9.7 17	
6 10	19 44.40	−30 16.3	1.499	2.406	13.8	19.6
6 20	19 38.19	−30 22.5	1.436	2.401	9.9	19.3
6 30	19 29.49	−30 22.7	1.396	2.395	5.8	19.1
7 10	19 19.40	−30 12.8	1.380	2.391	3.4	18.9
7 20	19 9.27	−29 51.0	1.389	2.387	6.1	19.1
7 30	19 0.50	−29 17.7	1.422	2.383	10.2	19.3
8 9	18 54.19	−28 36.0	1.478	2.380	14.2	19.5
8 19	18 50.95	−27 49.2	1.553	2.378	17.6	19.8
79250 1994 TD_{5}			7 10.3 320.°30		2.°7/11.1 18	
6 10	19 42.88	−15 4.8	1.520	2.416	14.3	20.0
6 20	19 36.95	−15 8.3	1.457	2.415	10.4	19.8
6 30	19 28.80	−15 21.9	1.416	2.414	6.1	19.5
7 10	19 19.39	−15 44.0	1.400	2.413	2.7	19.3
7 20	19 9.84	−16 12.0	1.409	2.412	5.1	19.5
7 30	19 1.39	−16 43.0	1.443	2.411	9.5	19.7
8 9	18 55.07	−17 14.5	1.500	2.410	13.5	20.0
8 19	18 51.49	−17 44.5	1.577	2.409	17.0	20.2

490031 2008 TT_3 7 10.3 209°.81 16°.9/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 13.79	−55 58.8	1.219	2.054	21.0	21.7
6 20	20 1.17	−57 17.9	1.170	2.049	18.9	21.6
6 30	19 42.26	−58 1.1	1.137	2.044	17.3	21.4
7 10	19 19.82	−57 51.8	1.124	2.038	16.9	21.4
7 20	18 57.91	−56 43.4	1.131	2.032	17.8	21.4
7 30	18 40.40	−54 43.4	1.156	2.024	19.8	21.5
8 9	18 29.29	−52 8.9	1.200	2.016	22.3	21.7
8 19	18 24.70	−49 17.5	1.258	2.007	24.8	21.9

253042 2002 SD_{35} 7 10.3 283°.86 21°.4/ 2.9 18

6 10	20 8.49	−60 27.3	1.073	1.907	23.3	20.0
6 20	19 59.44	−62 39.9	1.031	1.895	22.1	19.8
6 30	19 42.37	−64 14.0	1.003	1.882	21.4	19.7
7 10	19 19.83	−64 49.4	0.990	1.870	21.6	19.7
7 20	18 56.89	−64 15.8	0.993	1.858	22.7	19.7
7 30	18 39.00	−62 38.1	1.010	1.845	24.4	19.8
8 9	18 29.08	−60 13.4	1.040	1.833	26.4	19.9
8 19	18 27.15	−57 20.1	1.082	1.821	28.5	20.0

513194 2005 NS_{35} 7 10.3 317°.41 1°.4/ 9.9 18

6 10	19 41.55	−25 8.1	1.670	2.577	12.6	20.6
6 20	19 36.19	−25 18.1	1.584	2.550	9.0	20.3
6 30	19 28.52	−25 28.2	1.521	2.524	4.8	20.0
7 10	19 19.38	−25 35.3	1.482	2.498	1.4	19.7
7 20	19 9.87	−25 36.7	1.470	2.472	5.0	19.9
7 30	19 1.25	−25 31.2	1.482	2.447	9.5	20.1
8 9	18 54.66	−25 19.3	1.517	2.423	13.6	20.3
8 19	18 50.84	−25 2.2	1.572	2.399	17.3	20.5

478568 2012 TY_{67} 7 10.3 313°.87 2°.2/10.9 18

6 10	19 41.13	−16 35.4	1.607	2.506	13.5	21.4
6 20	19 35.74	−16 33.3	1.534	2.494	9.8	21.2
6 30	19 28.20	−16 39.3	1.483	2.482	5.6	20.9
7 10	19 19.37	−16 51.9	1.456	2.470	2.2	20.6
7 20	19 10.31	−17 9.2	1.456	2.459	4.9	20.8
7 30	19 2.20	−17 28.9	1.480	2.448	9.2	21.0
8 9	18 56.07	−17 49.4	1.528	2.438	13.3	21.2
8 19	18 52.57	−18 9.0	1.595	2.428	16.8	21.4

342853 2008 YA_{14} 7 10.3 352°.92 3°.6/ 8.9 17

6 10	19 41.28	−26 47.8	1.399	2.314	14.1	19.7
6 20	19 36.22	−28 0.9	1.341	2.310	10.0	19.4
6 30	19 28.58	−29 15.5	1.304	2.306	5.8	19.1
7 10	19 19.38	−30 24.2	1.292	2.303	3.6	19.0
7 20	19 9.94	−31 20.8	1.305	2.301	6.6	19.2
7 30	19 1.71	−32 1.3	1.341	2.300	10.9	19.4
8 9	18 55.92	−32 25.4	1.399	2.299	14.9	19.7
8 19	18 53.28	−32 35.1	1.475	2.299	18.3	19.9

252174 2001 DM_{15} 7 10.3 188°.92 0°.9/10.0 17

6 10	19 46.15	−22 47.0	1.857	2.751	12.2	21.2
6 20	19 39.05	−23 23.3	1.790	2.750	8.6	20.9
6 30	19 29.85	−24 2.2	1.747	2.749	4.5	20.7
7 10	19 19.43	−24 39.7	1.731	2.747	0.9	20.4
7 20	19 8.84	−25 12.3	1.743	2.745	4.5	20.7
7 30	18 59.25	−25 37.8	1.782	2.741	8.6	20.9
8 9	18 51.63	−25 55.7	1.845	2.737	12.3	21.2
8 19	18 46.59	−26 6.6	1.929	2.733	15.4	21.4

121779 2000 AO_{40} 7 10.3 269°.67 2°.7/ 9.6 17

6 10	19 46.73	−26 6.6	1.263	2.174	15.5	19.3
6 20	19 40.24	−26 44.8	1.201	2.169	11.0	19.1
6 30	19 30.77	−27 23.4	1.160	2.163	6.0	18.8
7 10	19 19.47	−27 56.2	1.143	2.157	2.7	18.5
7 20	19 7.93	−28 18.2	1.151	2.151	6.4	18.8
7 30	18 57.86	−28 27.2	1.182	2.146	11.5	19.0
8 9	18 50.64	−28 24.3	1.234	2.140	16.1	19.3
8 19	18 47.01	−28 12.2	1.303	2.134	20.0	19.5

324735 2007 EY_{182} 7 10.3 161°.00 5°.2/12.7 18

6 10	19 38.29	− 2 50.5	2.952	3.783	10.0	21.5
6 20	19 32.89	− 2 29.9	2.884	3.787	8.1	21.4
6 30	19 26.40	− 2 20.7	2.841	3.792	6.3	21.2
7 10	19 19.34	− 2 23.3	2.824	3.796	5.2	21.2
7 20	19 12.23	− 2 37.2	2.835	3.800	5.6	21.2
7 30	19 5.67	− 3 1.3	2.873	3.803	7.0	21.3
8 9	19 0.14	− 3 33.3	2.936	3.806	8.9	21.4
8 19	18 56.03	− 4 10.8	3.023	3.809	10.8	21.6

350341 2012 UQ_{103} 7 10.3 216°.32 1°.2/10.8 18

6 10	19 41.98	−17 40.4	2.384	3.267	10.3	22.2
6 20	19 35.78	−17 51.9	2.306	3.260	7.3	22.0
6 30	19 28.04	−18 8.3	2.253	3.252	4.0	21.8
7 10	19 19.40	−18 28.1	2.228	3.243	1.2	21.6
7 20	19 10.60	−18 49.3	2.231	3.234	3.5	21.7
7 30	19 2.48	−19 10.4	2.263	3.224	6.9	21.9
8 9	18 55.75	−19 30.2	2.320	3.214	10.1	22.1
8 19	18 50.94	−19 48.0	2.400	3.203	12.7	22.3

68322 2001 FN_{175} 7 10.3 252°.54 2°.0/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 41.75	−14 24.4	2.086	2.967	11.6	18.8
6 20	19 35.87	−14 53.7	2.001	2.952	8.4	18.5
6 30	19 28.20	−15 32.6	1.941	2.937	4.9	18.3
7 10	19 19.40	−16 19.1	1.908	2.922	2.1	18.1
7 20	19 10.32	−17 10.2	1.903	2.906	4.1	18.2
7 30	19 1.91	−18 2.7	1.926	2.889	7.8	18.4
8 9	18 55.02	−18 53.9	1.974	2.872	11.3	18.6
8 19	18 50.27	−19 41.5	2.044	2.855	14.4	18.7

511448 2014 JS_{49} 7 10.3 342°.26 3°.1/ 8.6 18

6 10	19 39.79	−25 13.0	1.653	2.562	12.6	19.9
6 20	19 35.01	−26 49.9	1.583	2.550	8.9	19.6
6 30	19 27.94	−28 31.9	1.538	2.539	5.1	19.4
7 10	19 19.40	−30 11.6	1.518	2.529	3.2	19.2
7 20	19 10.46	−31 41.6	1.525	2.520	6.1	19.4
7 30	19 2.39	−32 56.4	1.558	2.511	10.1	19.6
8 9	18 56.34	−33 54.1	1.613	2.504	13.8	19.8
8 19	18 53.07	−34 35.0	1.688	2.497	17.0	20.0

177023 2003 BW_{79} 7 10.3 127°.80 4°.9/ 8.7 18

6 10	19 45.00	−35 46.5	2.141	3.028	11.1	20.2
6 20	19 38.14	−36 23.2	2.083	3.031	8.4	20.0
6 30	19 29.32	−36 51.8	2.050	3.034	5.9	19.8
7 10	19 19.45	−37 7.9	2.043	3.037	4.9	19.8
7 20	19 9.56	−37 9.0	2.063	3.039	6.4	19.9
7 30	19 0.74	−36 55.2	2.109	3.042	9.0	20.0
8 9	18 53.88	−36 28.7	2.178	3.045	11.7	20.2
8 19	18 49.51	−35 52.8	2.269	3.047	14.1	20.4

315315 2007 TS_{290} 7 10.3 178°.05 5°.4/ 8.3 16

6 10	19 49.01	−32 55.2	1.688	2.582	13.2	21.1
6 20	19 41.45	−34 9.4	1.630	2.584	9.8	20.9
6 30	19 31.27	−35 17.8	1.596	2.585	6.6	20.7
7 10	19 19.52	−36 13.0	1.588	2.586	5.5	20.6
7 20	19 7.58	−36 49.5	1.606	2.586	7.6	20.7
7 30	18 56.91	−37 5.9	1.650	2.586	10.9	20.9
8 9	18 48.72	−37 4.3	1.716	2.585	14.2	21.1
8 19	18 43.70	−36 48.8	1.801	2.583	17.1	21.3

119820 2002 AG_{175} 7 10.3 151°.84 0°.1/10.4 18

6 10	19 40.83	−20 52.3	2.451	3.340	9.8	20.6
6 20	19 34.89	−21 10.4	2.387	3.345	6.9	20.4
6 30	19 27.54	−21 31.2	2.348	3.349	3.6	20.2
7 10	19 19.40	−21 52.6	2.336	3.353	0.2	19.9
7 20	19 11.21	−22 12.7	2.354	3.357	3.3	20.2
7 30	19 3.76	−22 30.1	2.399	3.360	6.6	20.4
8 9	18 57.69	−22 44.1	2.470	3.363	9.5	20.6
8 19	18 53.47	−22 54.6	2.563	3.366	12.0	20.8

232837 2004 TZ_{50} 7 10.3 215°.88 1°.7/10.9 18

6 10	19 43.08	−17 6.9	2.066	2.951	11.5	20.8
6 20	19 36.70	−17 5.4	1.991	2.946	8.3	20.6
6 30	19 28.58	−17 9.4	1.942	2.940	4.7	20.4
7 10	19 19.44	−17 17.7	1.919	2.933	1.7	20.2
7 20	19 10.16	−17 28.6	1.924	2.926	4.1	20.3
7 30	19 1.70	−17 40.9	1.956	2.919	7.7	20.5
8 9	18 54.87	−17 53.4	2.013	2.911	11.2	20.7
8 19	18 50.23	−18 5.3	2.092	2.903	14.1	20.9

393354 1995 UC_{23} 7 10.3 279°.80 3°.8/11.4 18

6 10	19 40.21	−11 30.9	2.142	3.017	11.6	21.2
6 20	19 34.64	−11 8.9	2.065	3.008	8.7	21.0
6 30	19 27.48	−10 55.7	2.012	2.998	5.8	20.8
7 10	19 19.40	−10 51.6	1.985	2.989	3.8	20.6
7 20	19 11.18	−10 56.0	1.986	2.979	5.0	20.7
7 30	19 3.68	−11 7.7	2.013	2.970	7.9	20.8
8 9	18 57.63	−11 24.9	2.064	2.960	11.0	21.0
8 19	18 53.57	−11 45.7	2.138	2.951	13.8	21.2

390797 2004 ER_{28} 7 10.3 205°.54 1°.0/10.0 18

6 10	19 42.32	−24 5.9	2.063	2.960	11.1	21.6
6 20	19 36.20	−24 25.5	1.997	2.959	7.7	21.4
6 30	19 28.31	−24 45.9	1.956	2.958	4.1	21.2
7 10	19 19.43	−25 4.2	1.941	2.957	1.0	20.9
7 20	19 10.46	−25 18.2	1.954	2.956	4.1	21.2
7 30	19 2.39	−25 26.5	1.994	2.955	7.8	21.4
8 9	18 56.02	−25 29.2	2.058	2.953	11.1	21.6
8 19	18 51.88	−25 26.9	2.144	2.952	13.9	21.8

106783 2000 XJ_{21} 7 10.3 296°.11 2°.7/ 9.6 18

6 10	19 43.14	−29 31.7	2.059	2.955	11.1	19.1
6 20	19 36.92	−29 43.6	1.980	2.940	7.9	18.9
6 30	19 28.75	−29 51.6	1.926	2.925	4.6	18.7
7 10	19 19.45	−29 52.5	1.899	2.909	2.7	18.5
7 20	19 9.98	−29 44.3	1.898	2.894	4.9	18.6
7 30	19 1.40	−29 26.8	1.925	2.879	8.4	18.8
8 9	18 54.64	−29 1.2	1.975	2.864	11.7	19.0
8 19	18 50.27	−28 29.7	2.046	2.850	14.6	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
112655 2002 PT_{85}			7 10.3 284.°02		0.°5/10.5 18	
	h m	° ′			°	m
6 10	19 44.25	−20 15.1	1.511	2.414	14.0	19.9
6 20	19 38.25	−20 26.3	1.429	2.393	10.0	19.6
6 30	19 29.70	−20 43.0	1.369	2.371	5.3	19.3
7 10	19 19.49	−21 2.4	1.333	2.350	0.5	18.9
7 20	19 8.84	−21 21.5	1.324	2.328	5.0	19.2
7 30	18 59.16	−21 37.9	1.339	2.306	10.0	19.4
8 9	18 51.68	−21 50.6	1.377	2.285	14.6	19.6
8 19	18 47.23	−21 59.4	1.433	2.263	18.5	19.8
62607 2000 SZ_{330}			7 10.3 198.°96		0.°7/10.6 18	
6 10	19 40.41	−18 57.2	2.288	3.177	10.4	19.8
6 20	19 34.72	−19 14.9	2.219	3.177	7.3	19.6
6 30	19 27.49	−19 37.2	2.175	3.176	3.9	19.4
7 10	19 19.41	−20 1.9	2.158	3.174	0.7	19.1
7 20	19 11.23	−20 27.0	2.170	3.173	3.5	19.3
7 30	19 3.79	−20 50.7	2.209	3.172	6.9	19.5
8 9	18 57.78	−21 11.8	2.273	3.170	10.1	19.7
8 19	18 53.71	−21 29.7	2.359	3.169	12.8	19.9
432108 2009 AS_{47}			7 10.4 297.°97		1.°9/11.2 18	
6 10	19 40.81	−14 47.7	1.753	2.645	12.9	20.8
6 20	19 35.46	−15 26.3	1.676	2.633	9.4	20.5
6 30	19 28.08	−16 16.6	1.622	2.620	5.4	20.3
7 10	19 19.44	−17 15.7	1.594	2.608	1.9	20.0
7 20	19 10.49	−18 19.4	1.592	2.596	4.5	20.2
7 30	19 2.34	−19 23.5	1.617	2.584	8.7	20.4
8 9	18 55.98	−20 24.3	1.666	2.573	12.6	20.6
8 19	18 52.08	−21 19.5	1.736	2.561	16.0	20.8
494339 2016 TB_{43}			7 10.4 312.°66		1.°4/10.7 18	
6 10	19 40.87	−18 10.6	1.658	2.559	13.1	21.1
6 20	19 35.59	−18 14.9	1.580	2.542	9.4	20.8
6 30	19 28.17	−18 25.8	1.525	2.526	5.2	20.6
7 10	19 19.44	−18 41.6	1.495	2.510	1.4	20.3
7 20	19 10.44	−18 59.9	1.490	2.494	4.6	20.4
7 30	19 2.32	−19 18.8	1.511	2.479	9.0	20.7
8 9	18 56.13	−19 36.5	1.555	2.464	13.1	20.9
8 19	18 52.53	−19 52.2	1.618	2.450	16.7	21.1
164344 2005 CJ_{14}			7 10.4 343.°57		7.°2/ 9.5 18	
6 10	19 47.08	−38 47.0	1.408	2.307	15.1	18.6
6 20	19 40.41	−38 58.7	1.346	2.297	11.7	18.4
6 30	19 30.78	−38 54.6	1.305	2.289	8.5	18.2
7 10	19 19.53	−38 29.0	1.287	2.281	7.2	18.1
7 20	19 8.30	−37 39.8	1.293	2.274	8.9	18.1
7 30	18 58.79	−36 29.6	1.322	2.268	12.2	18.3
8 9	18 52.25	−35 4.6	1.372	2.263	15.8	18.5
8 19	18 49.26	−33 32.1	1.441	2.259	19.0	18.7
88109 2000 WF_{97}			7 10.4 225.°78		0.°8/ 9.9 18	
6 10	19 40.79	−23 25.9	2.608	3.498	9.3	19.5
6 20	19 34.92	−23 55.7	2.531	3.490	6.5	19.3
6 30	19 27.60	−24 27.0	2.480	3.482	3.4	19.1
7 10	19 19.43	−24 57.2	2.457	3.473	0.8	18.9
7 20	19 11.11	−25 24.1	2.463	3.464	3.4	19.1
7 30	19 3.41	−25 46.1	2.498	3.455	6.6	19.3
8 9	18 57.01	−26 2.5	2.558	3.446	9.5	19.5
8 19	18 52.42	−26 13.6	2.640	3.436	11.9	19.6
239716 Felixbaumgartner			7 10.4 323.°03		1.°1/ 9.9 18	
6 10	19 41.62	−22 59.0	1.622	2.528	13.0	20.4
6 20	19 36.17	−23 37.1	1.553	2.519	9.1	20.2
6 30	19 28.49	−24 18.9	1.507	2.511	4.8	19.9
7 10	19 19.47	−25 0.2	1.487	2.503	1.1	19.6
7 20	19 10.20	−25 36.8	1.492	2.495	4.9	19.9
7 30	19 1.95	−26 6.0	1.523	2.488	9.3	20.1
8 9	18 55.76	−26 26.7	1.576	2.481	13.3	20.3
8 19	18 52.30	−26 39.3	1.649	2.474	16.7	20.5
355633 2008 EM_{15}			7 10.4 324.°41		3.°9/ 9.1 18	
6 10	19 41.93	−31 6.1	1.818	2.720	12.0	20.3
6 20	19 36.34	−31 39.9	1.745	2.706	8.7	20.1
6 30	19 28.56	−32 9.5	1.696	2.692	5.5	19.8
7 10	19 19.47	−32 30.2	1.671	2.678	3.9	19.7
7 20	19 10.17	−32 38.8	1.673	2.665	6.1	19.8
7 30	19 1.85	−32 34.2	1.700	2.652	9.5	20.0
8 9	18 55.56	−32 17.6	1.750	2.640	13.0	20.2
8 19	18 51.94	−31 51.8	1.820	2.628	16.0	20.4
218063 2002 EB_{101}			7 10.4 20.°85		8.°4/16.0 18	
6 10	19 38.59	+ 3 50.8	1.681	2.509	16.5	18.9
6 20	19 33.71	+ 3 7.1	1.623	2.518	13.7	18.7
6 30	19 27.05	+ 1 55.0	1.586	2.529	10.9	18.6
7 10	19 19.42	+ 0 15.7	1.571	2.540	8.8	18.5
7 20	19 11.73	− 1 46.0	1.582	2.553	8.6	18.5
7 30	19 4.97	− 4 2.6	1.619	2.566	10.3	18.7
8 9	18 59.95	− 6 24.9	1.681	2.580	12.9	18.8
8 19	18 57.21	− 8 45.0	1.765	2.595	15.6	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
135876 2002 TW_{35}			7 10.4 312.°01		2.°4/11.1 18	
	h m	° ′			°	m
6 10	19 40.56	−15 19.9	1.750	2.643	12.9	20.0
6 20	19 35.22	−15 22.3	1.676	2.633	9.4	19.7
6 30	19 27.92	−15 33.4	1.625	2.622	5.5	19.5
7 10	19 19.46	−15 52.0	1.599	2.612	2.5	19.3
7 20	19 10.78	−16 16.0	1.600	2.602	4.7	19.4
7 30	19 2.98	−16 43.1	1.626	2.593	8.7	19.6
8 9	18 56.97	−17 11.2	1.676	2.583	12.5	19.8
8 19	18 53.37	−17 38.3	1.746	2.574	15.8	20.0
40228 1998 TR_{1}			7 10.4 355.°42		1.°5/11.1 18	
6 10	19 37.05	−14 19.4	1.182	2.096	16.1	16.9
6 20	19 33.41	−15 32.5	1.121	2.089	11.6	16.7
6 30	19 27.21	−17 4.9	1.081	2.084	6.5	16.4
7 10	19 19.43	−18 50.5	1.064	2.080	1.7	16.0
7 20	19 11.34	−20 40.7	1.071	2.077	5.3	16.3
7 30	19 4.42	−22 26.5	1.101	2.076	10.6	16.6
8 9	18 59.91	−24 1.2	1.152	2.077	15.4	16.8
8 19	18 58.57	−25 20.9	1.222	2.079	19.4	17.1
120694 1997 GV_{5}			7 10.4 43.°14		6.°0/ 8.5 17	
6 10	19 45.43	−34 42.7	1.530	2.433	13.9	18.6
6 20	19 38.92	−35 43.2	1.488	2.445	10.3	18.5
6 30	19 29.89	−36 34.4	1.469	2.457	7.2	18.3
7 10	19 19.52	−37 9.7	1.473	2.470	6.1	18.3
7 20	19 9.22	−37 25.2	1.503	2.483	8.0	18.4
7 30	19 0.43	−37 20.9	1.556	2.496	11.2	18.6
8 9	18 54.22	−36 59.9	1.631	2.510	14.3	18.9
8 19	18 51.14	−36 26.7	1.725	2.524	17.1	19.1
245815 2006 JV_{17}			7 10.4 178.°70		0.°1/10.3 18	
6 10	19 43.18	−21 18.0	2.253	3.142	10.6	21.6
6 20	19 36.68	−21 41.5	2.186	3.144	7.4	21.4
6 30	19 28.54	−22 7.8	2.143	3.145	3.9	21.2
7 10	19 19.49	−22 34.3	2.129	3.145	0.2	20.9
7 20	19 10.34	−22 58.6	2.143	3.145	3.6	21.2
7 30	19 1.99	−23 19.1	2.185	3.145	7.2	21.4
8 9	18 55.19	−23 35.1	2.252	3.144	10.4	21.6
8 19	18 50.47	−23 46.6	2.341	3.143	13.1	21.8
276493 2003 QZ_{16}			7 10.4 312.°67		2.°4/ 9.6 15	
6 10	19 42.32	−28 8.3	1.978	2.878	11.3	21.4
6 20	19 36.61	−28 26.0	1.881	2.842	8.1	21.1
6 30	19 28.75	−28 41.7	1.807	2.807	4.7	20.8
7 10	19 19.50	−28 51.8	1.759	2.772	2.4	20.6
7 20	19 9.82	−28 53.7	1.739	2.737	5.0	20.7
7 30	19 0.86	−28 46.0	1.744	2.702	8.9	20.9
8 9	18 53.67	−28 29.4	1.773	2.667	12.6	21.0
8 19	18 49.00	−28 5.7	1.823	2.632	15.9	21.2
97433 2000 AP_{230}			7 10.4 102.°89		4.°3/ 9.2 18	
6 10	19 46.63	−33 52.5	1.978	2.868	11.8	19.1
6 20	19 39.26	−34 17.2	1.927	2.879	8.6	18.9
6 30	19 29.90	−34 34.0	1.900	2.890	5.7	18.8
7 10	19 19.53	−34 39.0	1.899	2.900	4.3	18.7
7 20	19 9.27	−34 30.2	1.925	2.911	6.0	18.8
7 30	19 0.23	−34 8.1	1.978	2.921	9.0	19.0
8 9	18 53.30	−33 35.3	2.054	2.931	11.9	19.2
8 19	18 48.97	−32 55.2	2.152	2.940	14.5	19.4
117164 2004 RB_{3}			7 10.4 333.°32		2.°8/10.6 18	
6 10	19 43.86	−17 13.7	1.986	2.872	11.9	18.7
6 20	19 37.23	−16 11.2	1.912	2.865	8.6	18.5
6 30	19 28.84	−15 11.2	1.864	2.859	5.2	18.3
7 10	19 19.51	−14 15.0	1.842	2.853	2.8	18.1
7 20	19 10.14	−13 24.1	1.849	2.847	4.8	18.2
7 30	19 1.69	−12 39.6	1.883	2.841	8.3	18.4
8 9	18 54.97	−12 2.2	1.942	2.836	11.7	18.6
8 19	18 50.50	−11 31.9	2.022	2.832	14.6	18.8
414411 2009 BP_{112}			7 10.4 146.°70		2.°3/11.1 17	
6 10	19 46.00	−14 54.3	1.708	2.593	13.6	22.1
6 20	19 38.91	−15 11.5	1.650	2.603	9.8	21.9
6 30	19 29.79	−15 38.2	1.616	2.612	5.6	21.7
7 10	19 19.54	−16 11.9	1.608	2.621	2.3	21.5
7 20	19 9.27	−16 49.5	1.627	2.629	4.7	21.7
7 30	19 0.09	−17 28.0	1.672	2.636	8.7	21.9
8 9	18 52.94	−18 5.1	1.742	2.642	12.5	22.2
8 19	18 48.37	−18 39.2	1.833	2.648	15.6	22.4
187563 2006 VJ_{73}			7 10.4 133.°49		1.°6/ 9.6 18	
6 10	19 41.86	−26 4.5	2.515	3.407	9.5	21.3
6 20	19 35.63	−26 38.7	2.457	3.416	6.7	21.1
6 30	19 27.95	−27 12.2	2.425	3.425	3.6	20.9
7 10	19 19.48	−27 42.1	2.420	3.433	1.6	20.8
7 20	19 10.98	−28 6.1	2.444	3.442	3.8	21.0
7 30	19 3.24	−28 23.0	2.496	3.450	6.8	21.2
8 9	18 56.95	−28 32.7	2.574	3.458	9.6	21.4
8 19	18 52.55	−28 36.1	2.674	3.465	11.9	21.6

194974 2002 AL_{189} 7 10.4 32°.13 10°.6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 40.00	+ 0 12.9	1.297	2.158	18.5	18.9
6 20	19 34.92	+ 1 9.0	1.257	2.172	15.4	18.7
6 30	19 27.74	+ 1 38.2	1.236	2.188	12.5	18.6
7 10	19 19.48	+ 1 37.8	1.236	2.205	10.8	18.6
7 20	19 11.32	+ 1 8.9	1.258	2.222	11.0	18.6
7 30	19 4.43	+ 0 15.9	1.301	2.240	12.9	18.8
8 9	18 59.73	− 0 53.9	1.365	2.259	15.6	19.0
8 19	18 57.72	− 2 12.9	1.447	2.279	18.2	19.2

436311 2010 EY_{124} 7 10.4 76°.01 2°.4/11.4 18

6 10	19 42.00	−13 45.2	1.797	2.683	13.0	20.9
6 20	19 35.99	−14 10.0	1.747	2.699	9.4	20.7
6 30	19 28.21	−14 45.0	1.720	2.715	5.5	20.5
7 10	19 19.50	−15 27.7	1.719	2.731	2.5	20.3
7 20	19 10.82	−16 14.8	1.745	2.747	4.4	20.5
7 30	19 3.15	−17 3.0	1.798	2.763	8.1	20.7
8 9	18 57.29	−17 49.5	1.875	2.779	11.5	21.0
8 19	18 53.72	−18 32.3	1.973	2.795	14.5	21.2

60109 1999 TO_{212} 7 10.4 346°.46 1°.0/10.6 18

6 10	19 40.07	−19 30.7	1.791	2.692	12.3	18.6
6 20	19 34.81	−19 25.6	1.723	2.686	8.7	18.3
6 30	19 27.68	−19 24.8	1.679	2.681	4.7	18.1
7 10	19 19.49	−19 26.8	1.660	2.676	1.1	17.8
7 20	19 11.19	−19 30.1	1.667	2.672	4.2	18.0
7 30	19 3.82	−19 33.6	1.700	2.668	8.3	18.3
8 9	18 58.25	−19 36.5	1.757	2.665	12.0	18.5
8 19	18 55.03	−19 38.3	1.834	2.663	15.1	18.7

427575 2003 FX_{132} 7 10.4 69°.12 3°.6/ 9.4 16

6 10	19 46.10	−29 22.0	1.542	2.446	13.7	21.3
6 20	19 39.22	−30 0.4	1.497	2.460	9.7	21.1
6 30	19 30.00	−30 34.4	1.475	2.474	5.7	20.9
7 10	19 19.57	−30 58.9	1.478	2.487	3.6	20.8
7 20	19 9.23	−31 10.5	1.506	2.501	6.1	21.0
7 30	19 0.34	−31 8.8	1.560	2.515	10.0	21.2
8 9	18 53.89	−30 55.8	1.636	2.529	13.5	21.5
8 19	18 50.41	−30 34.4	1.732	2.543	16.6	21.7

380806 2005 YW_6 7 10.4 167°.07 0°.9/10.0 17

6 10	19 44.51	−23 15.9	2.117	3.009	11.1	22.8
6 20	19 37.71	−23 48.9	2.054	3.013	7.7	22.6
6 30	19 29.13	−24 23.4	2.015	3.017	4.0	22.4
7 10	19 19.55	−24 56.3	2.004	3.020	0.9	22.2
7 20	19 9.88	−25 24.5	2.022	3.023	4.0	22.4
7 30	19 1.11	−25 46.4	2.067	3.025	7.7	22.6
8 9	18 54.05	−26 1.5	2.137	3.027	11.0	22.8
8 19	18 49.24	−26 10.4	2.229	3.028	13.7	23.0

139888 2001 RC_{89} 7 10.4 301°.82 0°.8/10.7 18 R

6 10	19 40.91	−18 51.1	1.929	2.824	11.8	19.4
6 20	19 35.34	−19 7.2	1.857	2.817	8.3	19.2
6 30	19 27.96	−19 28.8	1.810	2.811	4.5	18.9
7 10	19 19.51	−19 53.7	1.788	2.804	0.9	18.6
7 20	19 10.90	−20 19.4	1.794	2.798	4.0	18.9
7 30	19 3.12	−20 43.8	1.826	2.792	7.9	19.1
8 9	18 57.04	−21 5.5	1.882	2.786	11.5	19.3
8 19	18 53.21	−21 23.8	1.960	2.780	14.6	19.5

434230 2003 SD_{278} 7 10.4 275°.49 4°.0/11.3 18

6 10	19 42.23	−12 17.8	1.903	2.782	12.7	20.9
6 20	19 36.32	−11 51.6	1.819	2.765	9.5	20.6
6 30	19 28.51	−11 34.4	1.758	2.747	6.2	20.4
7 10	19 19.54	−11 26.3	1.723	2.729	4.0	20.2
7 20	19 10.30	−11 27.2	1.715	2.711	5.5	20.3
7 30	19 1.83	−11 35.9	1.734	2.692	8.9	20.4
8 9	18 55.01	−11 50.7	1.776	2.674	12.4	20.6
8 19	18 50.49	−12 9.6	1.838	2.655	15.5	20.8

429540 2011 CL_3 7 10.4 204°.53 1°.0/10.6 17

6 10	19 45.54	−20 6.7	1.734	2.628	12.9	21.5
6 20	19 38.67	−19 56.2	1.666	2.626	9.2	21.2
6 30	19 29.72	−19 49.0	1.622	2.624	4.9	21.0
7 10	19 19.58	−19 43.4	1.605	2.621	1.0	20.7
7 20	19 9.36	−19 38.1	1.614	2.617	4.4	20.9
7 30	19 0.22	−19 32.4	1.649	2.614	8.7	21.2
8 9	18 53.10	−19 26.3	1.709	2.610	12.6	21.4
8 19	18 48.60	−19 19.9	1.789	2.606	15.9	21.6

192020 2005 YJ_{148} 7 10.4 307°.12 2°.2/ 9.7 18

6 10	19 43.72	−25 56.5	1.575	2.481	13.3	20.3
6 20	19 37.74	−26 28.7	1.508	2.473	9.4	20.1
6 30	19 29.38	−27 1.1	1.464	2.466	5.1	19.8
7 10	19 19.59	−27 29.1	1.444	2.459	2.2	19.6
7 20	19 9.59	−27 49.0	1.451	2.451	5.4	19.8
7 30	19 0.73	−27 58.9	1.483	2.445	9.8	20.0
8 9	18 54.11	−27 59.3	1.537	2.438	13.8	20.3
8 19	18 50.40	−27 51.7	1.610	2.432	17.2	20.5

272285 2005 SN_6 7 10.4 170°.18 0°.0/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 44.90	−21 46.6	1.781	2.677	12.5	21.3
6 20	19 38.19	−21 54.3	1.718	2.679	8.8	21.1
6 30	19 29.45	−22 4.5	1.678	2.681	4.6	20.9
7 10	19 19.59	−22 14.5	1.665	2.682	0.2	20.5
7 20	19 9.67	−22 22.3	1.679	2.683	4.3	20.9
7 30	19 0.82	−22 26.6	1.719	2.683	8.5	21.1
8 9	18 53.95	−22 27.4	1.784	2.684	12.2	21.3
8 19	18 49.64	−22 25.1	1.869	2.684	15.4	21.5

295929 2008 XF_2 7 10.4 190°.20 0°.4/10.5 18

6 10	19 43.48	−21 2.3	1.969	2.863	11.7	20.7
6 20	19 37.06	−21 2.7	1.903	2.862	8.2	20.5
6 30	19 28.82	−21 5.6	1.860	2.862	4.3	20.2
7 10	19 19.57	−21 9.2	1.845	2.861	0.4	19.9
7 20	19 10.26	−21 11.8	1.856	2.860	4.0	20.2
7 30	19 1.88	−21 12.6	1.895	2.859	7.9	20.4
8 9	18 55.27	−21 11.3	1.959	2.857	11.4	20.6
8 19	18 50.96	−21 8.1	2.043	2.856	14.3	20.8

482142 2010 SE_{13} 7 10.4 307°.87 2°.0/10.8 18

6 10	19 41.15	−17 27.8	2.035	2.925	11.5	20.4
6 20	19 35.41	−17 6.3	1.959	2.915	8.3	20.2
6 30	19 27.97	−16 49.3	1.908	2.905	4.7	19.9
7 10	19 19.54	−16 36.3	1.882	2.896	2.0	19.7
7 20	19 11.00	−16 26.7	1.885	2.886	4.2	19.9
7 30	19 3.25	−16 20.0	1.913	2.877	7.8	20.1
8 9	18 57.11	−16 15.6	1.967	2.868	11.2	20.3
8 19	18 53.11	−16 12.9	2.041	2.859	14.2	20.4

505479 2013 VS_1 7 10.4 205°.21 5°.6/12.3 17

6 10	19 42.53	− 6 8.0	2.057	2.912	12.8	22.2
6 20	19 36.33	− 5 51.3	1.983	2.908	10.1	22.1
6 30	19 28.44	− 5 48.5	1.933	2.903	7.3	21.9
7 10	19 19.56	− 5 59.9	1.907	2.898	5.6	21.8
7 20	19 10.54	− 6 24.6	1.909	2.892	6.3	21.8
7 30	19 2.26	− 7 0.5	1.938	2.885	8.8	21.9
8 9	18 55.53	− 7 44.3	1.990	2.878	11.7	22.1
8 19	18 50.89	− 8 32.8	2.065	2.870	14.5	22.3

152095 2004 RP_{72} 7 10.4 126°.20 4°.1/12.1 18

6 10	19 38.99	− 8 34.3	2.369	3.232	11.1	19.8
6 20	19 33.65	− 8 28.3	2.302	3.235	8.5	19.6
6 30	19 26.96	− 8 33.1	2.259	3.237	5.9	19.5
7 10	19 19.52	− 8 48.4	2.242	3.239	4.2	19.4
7 20	19 12.02	− 9 13.0	2.252	3.242	4.9	19.4
7 30	19 5.18	− 9 44.9	2.290	3.244	7.3	19.6
8 9	18 59.65	−10 21.8	2.353	3.246	10.0	19.8
8 19	18 55.86	−11 1.1	2.438	3.248	12.4	19.9

222431 2001 PG_{35} 7 10.4 334°.33 3°.3/ 9.5 18

6 10	19 40.76	−26 45.7	1.139	2.063	15.8	19.7
6 20	19 36.39	−27 27.7	1.073	2.046	11.3	19.4
6 30	19 28.98	−28 10.8	1.026	2.030	6.4	19.1
7 10	19 19.60	−28 48.4	1.002	2.015	3.3	18.9
7 20	19 9.81	−29 14.7	1.000	2.002	7.0	19.0
7 30	19 1.39	−29 26.5	1.020	1.989	12.2	19.3
8 9	18 55.84	−29 24.3	1.060	1.978	17.1	19.5
8 19	18 53.98	−29 10.5	1.116	1.968	21.2	19.7

336220 2008 SR_{58} 7 10.4 258°.60 3°.0/ 9.4 18

6 10	19 44.46	−28 24.0	1.811	2.711	12.2	20.7
6 20	19 38.09	−29 3.7	1.743	2.704	8.7	20.5
6 30	19 29.51	−29 41.4	1.698	2.697	5.1	20.2
7 10	19 19.63	−30 12.5	1.679	2.690	3.0	20.1
7 20	19 9.55	−30 33.4	1.687	2.682	5.5	20.2
7 30	19 0.50	−30 42.4	1.721	2.675	9.3	20.4
8 9	18 53.48	−30 40.3	1.778	2.668	12.8	20.6
8 19	18 49.17	−30 29.3	1.855	2.660	15.9	20.8

108248 2001 HS_{45} 7 10.4 6°.34 9°.6/14.3 18

6 10	19 38.39	+ 1 26.2	1.540	2.386	16.8	18.5
6 20	19 33.78	+ 1 49.5	1.480	2.386	14.1	18.3
6 30	19 27.22	+ 1 47.4	1.440	2.387	11.5	18.2
7 10	19 19.55	+ 1 18.4	1.422	2.389	9.8	18.1
7 20	19 11.77	+ 0 23.6	1.427	2.391	9.9	18.1
7 30	19 4.95	− 0 52.4	1.454	2.394	11.8	18.2
8 9	18 59.99	− 2 22.9	1.504	2.398	14.4	18.4
8 19	18 57.47	− 4 0.4	1.573	2.403	17.1	18.6

33769 1999 RN_{112} 7 10.4 80°.86 9°.6/16.3 18

6 10	19 41.66	+ 6 38.9	1.787	2.590	16.6	18.1
6 20	19 35.84	+ 6 15.9	1.723	2.596	14.1	18.0
6 30	19 28.23	+ 5 24.3	1.680	2.603	11.7	17.8
7 10	19 19.59	+ 4 3.9	1.659	2.610	9.9	17.7
7 20	19 10.87	+ 2 17.7	1.664	2.617	9.7	17.7
7 30	19 3.04	+ 0 12.1	1.694	2.623	11.1	17.8
8 9	18 56.95	− 2 4.4	1.748	2.630	13.4	18.0
8 19	18 53.14	− 4 23.4	1.825	2.637	15.9	18.2

276068 2002 CE_{162} 7 10.4 88°.00 1°.4/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 43.09	−15 36.9	1.715	2.605	13.2	20.4
6 20	19 36.93	−16 25.1	1.661	2.618	9.4	20.2
6 30	19 28.81	−17 23.2	1.631	2.630	5.2	20.0
7 10	19 19.62	−18 27.2	1.627	2.642	1.5	19.8
7 20	19 10.37	−19 32.5	1.651	2.655	4.3	20.0
7 30	19 2.17	−20 34.9	1.701	2.667	8.4	20.3
8 9	18 55.89	−21 31.4	1.775	2.679	12.1	20.5
8 19	18 52.09	−22 20.5	1.870	2.690	15.2	20.7

370238 2002 PW_{150} 7 10.4 339°.98 2°.0/10.9 17

6 10	19 37.42	−17 35.8	0.993	1.920	17.2	20.0
6 20	19 34.12	−17 42.9	0.927	1.902	12.5	19.7
6 30	19 27.82	−18 2.3	0.881	1.886	7.0	19.3
7 10	19 19.59	−18 31.5	0.855	1.871	2.0	19.0
7 20	19 10.94	−19 6.7	0.850	1.858	6.1	19.2
7 30	19 3.62	−19 43.3	0.866	1.846	12.0	19.4
8 9	18 59.13	−20 17.6	0.900	1.837	17.4	19.7
8 19	18 58.32	−20 47.0	0.951	1.829	22.0	20.0

336166 2008 RH_{27} 7 10.4 298°.30 3°.7/ 9.6 18

6 10	19 46.42	−30 50.2	1.591	2.493	13.4	20.8
6 20	19 39.87	−31 2.9	1.508	2.469	9.8	20.5
6 30	19 30.64	−31 9.6	1.447	2.445	5.9	20.2
7 10	19 19.71	−31 5.6	1.412	2.421	3.7	20.0
7 20	19 8.41	−30 47.8	1.402	2.397	6.3	20.1
7 30	18 58.24	−30 16.3	1.417	2.374	10.6	20.3
8 9	18 50.48	−29 33.6	1.454	2.350	14.7	20.5
8 19	18 45.90	−28 43.8	1.510	2.327	18.4	20.7

311163 2004 TL_{138} 7 10.4 317°.15 1°.3/10.1 18

6 10	19 42.19	−26 3.8	2.087	2.985	10.9	20.0
6 20	19 36.17	−26 2.2	2.015	2.977	7.7	19.7
6 30	19 28.39	−25 59.0	1.967	2.969	4.1	19.5
7 10	19 19.62	−25 52.0	1.946	2.961	1.3	19.3
7 20	19 10.77	−25 39.8	1.952	2.954	4.1	19.5
7 30	19 2.80	−25 22.4	1.985	2.947	7.7	19.7
8 9	18 56.53	−25 0.6	2.043	2.940	11.1	19.9
8 19	18 52.50	−24 35.6	2.122	2.933	13.9	20.1

395242 2010 NG_{70} 7 10.4 2°.89 1°.4/10.8 18

6 10	19 39.87	−17 53.3	1.848	2.745	12.1	20.9
6 20	19 34.63	−17 58.3	1.784	2.744	8.6	20.6
6 30	19 27.61	−18 9.3	1.744	2.744	4.8	20.4
7 10	19 19.59	−18 24.7	1.730	2.745	1.4	20.2
7 20	19 11.50	−18 42.4	1.742	2.746	4.1	20.4
7 30	19 4.31	−19 0.6	1.780	2.747	8.0	20.6
8 9	18 58.85	−19 17.8	1.842	2.749	11.5	20.8
8 19	18 55.63	−19 33.1	1.925	2.752	14.6	21.0

268315 2005 QQ_{153} 7 10.4 218°.26 0°.6/10.1 17

6 10	19 44.26	−21 31.6	1.738	2.636	12.7	20.7
6 20	19 37.94	−22 14.0	1.670	2.632	8.9	20.4
6 30	19 29.45	−23 1.3	1.625	2.628	4.7	20.2
7 10	19 19.67	−23 49.0	1.607	2.623	0.6	19.8
7 20	19 9.67	−24 33.1	1.616	2.619	4.6	20.1
7 30	19 0.64	−25 10.5	1.651	2.614	8.9	20.4
8 9	18 53.60	−25 39.8	1.710	2.609	12.8	20.6
8 19	18 49.21	−26 1.3	1.790	2.603	16.0	20.8

96767 1999 RP_{40} 7 10.4 199°.60 9°.9/15.5 18

6 10	19 40.54	+ 6 54.9	1.959	2.755	15.6	19.3
6 20	19 35.00	+ 7 7.0	1.890	2.754	13.5	19.2
6 30	19 27.79	+ 6 54.2	1.842	2.753	11.5	19.0
7 10	19 19.61	+ 6 14.8	1.815	2.752	10.1	18.9
7 20	19 11.28	+ 5 9.9	1.813	2.751	10.1	18.9
7 30	19 3.73	+ 3 43.1	1.836	2.749	11.3	19.0
8 9	18 57.74	+ 2 0.8	1.881	2.748	13.3	19.1
8 19	18 53.85	+ 0 9.9	1.949	2.746	15.5	19.3

453094 2007 VK_{206} 7 10.4 313°.72 19°.3/ 7.8 17

6 10	19 44.76	+ 4 14.0	0.946	1.806	23.8	20.1
6 20	19 39.34	+ 7 36.0	0.890	1.791	21.5	19.9
6 30	19 30.62	+10 32.2	0.851	1.776	19.8	19.7
7 10	19 19.73	+12 47.0	0.830	1.762	19.3	19.6
7 20	19 8.27	+14 9.3	0.826	1.748	20.4	19.6
7 30	18 58.15	+14 35.3	0.837	1.735	22.7	19.7
8 9	18 50.98	+14 11.5	0.863	1.723	25.4	19.8
8 19	18 47.73	+13 9.0	0.899	1.712	28.1	20.0

306268 2011 RU_{12} 7 10.4 5°.97 0°.0/10.4 16

6 10	19 41.72	−21 52.5	1.592	2.498	13.2	21.1
6 20	19 36.15	−21 57.4	1.533	2.498	9.3	20.8
6 30	19 28.48	−22 5.3	1.496	2.499	4.9	20.6
7 10	19 19.64	−22 13.4	1.484	2.500	0.2	20.2
7 20	19 10.75	−22 19.9	1.498	2.502	4.5	20.6
7 30	19 2.98	−22 23.2	1.536	2.505	8.9	20.8
8 9	18 57.28	−22 23.1	1.598	2.508	12.8	21.1
8 19	18 54.23	−22 20.0	1.680	2.511	16.2	21.3

439443 2013 WX_3 7 10.4 160°.72 3°.8/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 43.27	−10 19.0	2.427	3.288	10.9	21.9
6 20	19 36.57	− 9 56.9	2.362	3.295	8.2	21.7
6 30	19 28.49	− 9 43.3	2.321	3.302	5.5	21.6
7 10	19 19.65	− 9 38.5	2.309	3.308	3.8	21.5
7 20	19 10.80	− 9 41.7	2.324	3.314	4.8	21.5
7 30	19 2.69	− 9 51.9	2.368	3.318	7.3	21.7
8 9	18 55.97	−10 7.4	2.438	3.323	10.0	21.9
8 19	18 51.08	−10 26.6	2.530	3.326	12.4	22.1

171805 2001 DL_{52} 7 10.4 134°.33 2°.2/ 9.8 18

6 10	19 47.75	−26 17.8	1.649	2.547	13.2	19.9
6 20	19 40.34	−26 48.7	1.595	2.557	9.3	19.7
6 30	19 30.65	−27 18.2	1.565	2.566	5.1	19.4
7 10	19 19.73	−27 42.0	1.561	2.575	2.2	19.3
7 20	19 8.84	−27 56.8	1.584	2.584	5.2	19.5
7 30	18 59.24	−28 1.5	1.633	2.592	9.3	19.8
8 9	18 51.96	−27 57.2	1.705	2.599	13.1	20.0
8 19	18 47.55	−27 46.1	1.798	2.606	16.2	20.2

63008 2000 WH_{31} 7 10.4 125°.28 1°.6/11.1 18

6 10	19 40.18	−15 37.9	2.508	3.388	10.0	19.5
6 20	19 34.44	−15 52.1	2.447	3.398	7.1	19.3
6 30	19 27.38	−16 12.2	2.411	3.407	4.1	19.1
7 10	19 19.61	−16 36.8	2.403	3.416	1.7	19.0
7 20	19 11.82	−17 4.1	2.424	3.425	3.4	19.1
7 30	19 4.72	−17 32.3	2.472	3.434	6.4	19.3
8 9	18 58.92	−17 59.8	2.547	3.442	9.2	19.5
8 19	18 54.85	−18 25.6	2.644	3.451	11.6	19.7

407291 2010 HE_{104} 7 10.4 353°.80 7°.0/ 7.9 17

6 10	19 40.00	−30 19.2	0.888	1.824	17.8	19.2
6 20	19 36.43	−31 58.8	0.840	1.816	13.1	18.9
6 30	19 29.21	−33 36.8	0.811	1.811	8.7	18.6
7 10	19 19.69	−35 0.4	0.801	1.807	7.2	18.5
7 20	19 9.80	−35 59.1	0.812	1.804	10.4	18.7
7 30	19 1.78	−36 28.3	0.841	1.803	15.2	18.9
8 9	18 57.33	−36 30.1	0.888	1.804	19.8	19.2
8 19	18 57.24	−36 10.0	0.949	1.806	23.7	19.5

429486 2011 AO_{32} 7 10.4 215°.60 1°.3/ 9.9 17

6 10	19 46.51	−24 48.8	1.980	2.872	11.7	22.7
6 20	19 39.36	−25 11.0	1.905	2.864	8.2	22.5
6 30	19 30.16	−25 33.5	1.854	2.856	4.4	22.2
7 10	19 19.73	−25 52.7	1.831	2.846	1.3	22.0
7 20	19 9.11	−26 6.0	1.836	2.836	4.4	22.2
7 30	18 59.41	−26 12.2	1.867	2.826	8.4	22.4
8 9	18 51.58	−26 11.4	1.924	2.814	12.0	22.6
8 19	18 46.26	−26 5.0	2.002	2.802	15.0	22.8

312370 2008 EV_8 7 10.4 274°.26 1°.1/ 9.9 18

6 10	19 41.26	−22 53.8	2.141	3.037	10.8	20.9
6 20	19 35.59	−23 40.8	2.067	3.028	7.5	20.7
6 30	19 28.16	−24 31.0	2.017	3.019	4.0	20.5
7 10	19 19.66	−25 20.8	1.995	3.011	1.1	20.3
7 20	19 10.93	−26 6.6	2.001	3.002	4.1	20.5
7 30	19 2.93	−26 45.6	2.034	2.993	7.7	20.7
8 9	18 56.50	−27 16.8	2.091	2.984	11.0	20.9
8 19	18 52.23	−27 40.1	2.171	2.975	13.9	21.0

501881 2014 WG_{388} 7 10.4 227°.57 3°.4/11.4 17

6 10	19 45.02	−13 13.8	1.671	2.554	13.9	22.3
6 20	19 38.49	−13 10.5	1.596	2.546	10.3	22.1
6 30	19 29.78	−13 17.9	1.544	2.536	6.3	21.9
7 10	19 19.73	−13 35.1	1.517	2.527	3.5	21.7
7 20	19 9.42	−14 0.2	1.516	2.516	5.4	21.7
7 30	19 0.06	−14 30.6	1.542	2.505	9.4	22.0
8 9	18 52.66	−15 3.7	1.591	2.494	13.3	22.2
8 19	18 47.91	−15 37.3	1.661	2.482	16.8	22.4

375860 2009 VX_{22} 7 10.4 113°.70 7°.3/12.1 17

6 10	19 43.56	− 4 29.3	1.811	2.664	14.4	20.5
6 20	19 37.10	− 3 34.7	1.754	2.673	11.5	20.4
6 30	19 28.87	− 2 55.6	1.720	2.682	8.8	20.2
7 10	19 19.71	− 2 34.1	1.711	2.690	7.3	20.1
7 20	19 10.54	− 2 30.6	1.728	2.699	7.9	20.2
7 30	19 2.36	− 2 43.4	1.769	2.707	10.2	20.4
8 9	18 55.95	− 3 9.4	1.834	2.715	12.9	20.5
8 19	18 51.83	− 3 44.4	1.919	2.722	15.5	20.7

247931 2003 WG_{146} 7 10.4 186°.83 6°.0/ 8.3 18

6 10	19 48.98	−41 19.9	2.525	3.390	10.4	21.4
6 20	19 40.90	−41 57.9	2.463	3.390	8.3	21.3
6 30	19 30.88	−42 24.7	2.426	3.389	6.5	21.2
7 10	19 19.80	−42 36.0	2.415	3.387	6.0	21.1
7 20	19 8.69	−42 29.6	2.432	3.385	7.1	21.2
7 30	18 58.63	−42 5.9	2.475	3.382	9.0	21.3
8 9	18 50.51	−41 27.7	2.543	3.379	11.2	21.5
8 19	18 44.86	−40 39.1	2.631	3.375	13.2	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
246669 2008 YN_{126}			7 10.4 217°.23		0°.5/10.2 17	
	h m	° ′			°	m
6 10	19 42.80	−22 22.9	1.988	2.884	11.5	21.2
6 20	19 36.68	−22 44.1	1.920	2.882	8.0	21.0
6 30	19 28.72	−23 7.7	1.877	2.879	4.2	20.7
7 10	19 19.71	−23 30.8	1.860	2.877	0.5	20.4
7 20	19 10.58	−23 50.9	1.871	2.874	4.0	20.7
7 30	19 2.34	−24 6.4	1.908	2.871	7.9	21.0
8 9	18 55.83	−24 16.7	1.970	2.868	11.4	21.2
8 19	18 51.62	−24 22.1	2.053	2.865	14.3	21.4
428521 2008 AA_{27}			7 10.4 223°.33		1°.8/11.0 17	
6 10	19 44.50	−15 55.0	1.681	2.572	13.5	21.7
6 20	19 38.14	−16 17.0	1.609	2.565	9.7	21.4
6 30	19 29.61	−16 48.6	1.560	2.558	5.5	21.2
7 10	19 19.75	−17 27.1	1.537	2.551	1.9	20.9
7 20	19 9.64	−18 9.3	1.540	2.543	4.6	21.1
7 30	19 0.48	−18 51.7	1.570	2.535	9.0	21.3
8 9	18 53.30	−19 31.8	1.623	2.527	13.0	21.5
8 19	18 48.75	−20 8.1	1.697	2.518	16.5	21.7
439348 2012 XS_{41}			7 10.4 64°.89		1°.1/10.7 17	
6 10	19 42.25	−18 56.5	1.929	2.822	11.9	20.8
6 20	19 36.25	−18 54.8	1.865	2.824	8.4	20.6
6 30	19 28.47	−18 57.5	1.825	2.825	4.6	20.4
7 10	19 19.71	−19 3.0	1.811	2.826	1.2	20.1
7 20	19 10.89	−19 9.9	1.824	2.828	4.0	20.3
7 30	19 3.00	−19 16.8	1.864	2.829	7.9	20.6
8 9	18 56.84	−19 23.0	1.928	2.830	11.4	20.8
8 19	18 52.94	−19 28.0	2.013	2.832	14.3	21.0
381159 2007 GQ_{56}			7 10.4 61°.35		0°.5/10.6 17	
6 10	19 43.88	−19 0.3	1.490	2.392	14.2	21.1
6 20	19 37.62	−19 31.6	1.447	2.410	9.9	20.9
6 30	19 29.23	−20 9.4	1.426	2.428	5.2	20.6
7 10	19 19.73	−20 49.8	1.431	2.447	0.6	20.3
7 20	19 10.34	−21 28.9	1.461	2.466	4.6	20.7
7 30	19 2.24	−22 3.6	1.517	2.485	9.0	21.0
8 9	18 56.38	−22 32.6	1.596	2.504	12.9	21.3
8 19	18 53.25	−22 55.3	1.695	2.523	16.2	21.5
150287 1999 TB_{113}			7 10.4 250°.41		5°.5/12.3 18	
6 10	19 39.35	− 5 17.1	2.336	3.186	11.7	19.7
6 20	19 33.99	− 4 50.1	2.263	3.182	9.3	19.5
6 30	19 27.22	− 4 35.4	2.214	3.178	7.0	19.4
7 10	19 19.66	− 4 33.8	2.190	3.174	5.6	19.3
7 20	19 12.00	− 4 45.0	2.193	3.170	6.1	19.3
7 30	19 4.98	− 5 7.7	2.223	3.165	8.2	19.4
8 9	18 59.26	− 5 39.2	2.277	3.161	10.6	19.6
8 19	18 55.31	− 6 16.6	2.353	3.157	13.0	19.7
246838 2010 CN_{144}			7 10.4 165°.88		4°.9/12.2 18	
6 10	19 42.30	− 6 27.3	2.384	3.233	11.5	21.4
6 20	19 35.96	− 6 7.9	2.317	3.239	9.0	21.3
6 30	19 28.22	− 6 0.1	2.275	3.243	6.5	21.1
7 10	19 19.70	− 6 4.1	2.259	3.248	5.0	21.0
7 20	19 11.14	− 6 19.3	2.271	3.251	5.6	21.1
7 30	19 3.29	− 6 44.1	2.310	3.254	7.8	21.2
8 9	18 56.79	− 7 15.9	2.375	3.257	10.3	21.4
8 19	18 52.11	− 7 52.2	2.462	3.258	12.7	21.6
403432 2009 SK_{183}			7 10.4 207°.21		3°.3/ 8.9 18	
6 10	19 42.19	−34 8.7	3.019	3.900	8.4	21.9
6 20	19 35.86	−34 31.3	2.949	3.896	6.2	21.8
6 30	19 28.15	−34 48.6	2.904	3.891	4.2	21.6
7 10	19 19.70	−34 57.9	2.888	3.886	3.3	21.6
7 20	19 11.20	−34 57.6	2.901	3.881	4.5	21.7
7 30	19 3.37	−34 47.6	2.941	3.876	6.7	21.8
8 9	18 56.85	−34 28.8	3.007	3.871	8.9	21.9
8 19	18 52.10	−34 3.0	3.096	3.865	10.9	22.1
318457 2005 EH_{12}			7 10.4 142°.05		3°.4/ 9.4 17	
6 10	19 49.88	−30 6.0	1.824	2.715	12.5	21.5
6 20	19 41.72	−30 40.7	1.771	2.728	9.0	21.3
6 30	19 31.35	−31 10.2	1.743	2.739	5.4	21.1
7 10	19 19.83	−31 30.1	1.742	2.751	3.4	21.0
7 20	19 8.37	−31 37.3	1.769	2.761	5.7	21.2
7 30	18 58.22	−31 31.7	1.822	2.771	9.2	21.4
8 9	18 50.34	−31 15.4	1.899	2.780	12.5	21.7
8 19	18 45.28	−30 51.4	1.996	2.788	15.4	21.9
238650 2005 EV_{44}			7 10.4 138°.12		2°.4/11.3 18 R	
6 10	19 41.79	−14 40.5	1.997	2.881	11.9	20.8
6 20	19 35.87	−14 47.0	1.933	2.885	8.7	20.6
6 30	19 28.26	−15 1.7	1.894	2.889	5.1	20.4
7 10	19 19.71	−15 23.2	1.880	2.892	2.4	20.2
7 20	19 11.10	−15 49.3	1.894	2.895	4.2	20.4
7 30	19 3.34	−16 17.9	1.935	2.899	7.7	20.6
8 9	18 57.21	−16 47.0	2.000	2.902	11.1	20.8
8 19	18 53.22	−17 15.0	2.088	2.904	13.9	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
504275 2006 WK_{59}			7 10.4 195°.22		1°.6/10.8 17	
	h m	° ′			°	m
6 10	19 45.84	−18 0.2	1.997	2.881	11.9	22.3
6 20	19 38.74	−17 49.9	1.925	2.879	8.5	22.1
6 30	19 29.78	−17 44.0	1.878	2.876	4.8	21.9
7 10	19 19.78	−17 41.4	1.858	2.872	1.6	21.6
7 20	19 9.67	−17 40.7	1.866	2.868	4.2	21.8
7 30	19 0.47	−17 41.2	1.902	2.863	8.0	22.0
8 9	18 53.05	−17 42.4	1.962	2.858	11.5	22.3
8 19	18 47.94	−17 43.7	2.044	2.852	14.5	22.4
174599 2003 QM_{70}			7 10.4 235°.50		11°.2/ 5.3 18	
6 10	20 1.25	−53 27.8	2.136	2.954	13.8	20.2
6 20	19 50.80	−54 48.6	2.068	2.936	12.3	20.1
6 30	19 36.63	−55 49.2	2.022	2.918	11.4	20.0
7 10	19 20.06	−56 20.3	2.000	2.898	11.3	19.9
7 20	19 3.03	−56 16.9	2.001	2.878	12.3	19.9
7 30	18 47.74	−55 39.6	2.025	2.856	13.9	20.0
8 9	18 35.88	−54 34.5	2.069	2.834	15.8	20.1
8 19	18 28.30	−53 10.1	2.130	2.810	17.6	20.2
181008 2005 NH_{57}			7 10.4 17°.38		3°.9/11.8 17	
6 10	19 39.50	−12 22.0	1.080	1.991	17.5	19.0
6 20	19 35.13	−12 40.7	1.033	1.997	12.9	18.7
6 30	19 28.15	−13 17.8	1.006	2.004	7.9	18.5
7 10	19 19.71	−14 10.3	1.000	2.012	4.1	18.3
7 20	19 11.23	−15 12.9	1.017	2.021	6.2	18.4
7 30	19 4.19	−16 19.4	1.056	2.032	11.0	18.7
8 9	18 59.75	−17 24.1	1.115	2.043	15.5	19.0
8 19	18 58.50	−18 22.8	1.193	2.056	19.4	19.3
14200 1998 XY_{77}			7 10.4 218°.78		3°.3/11.5 18	
6 10	19 43.19	−12 42.0	1.733	2.617	13.5	17.7
6 20	19 37.11	−12 49.7	1.663	2.613	10.0	17.4
6 30	19 29.03	−13 8.8	1.616	2.609	6.2	17.2
7 10	19 19.76	−13 38.1	1.594	2.604	3.4	17.0
7 20	19 10.30	−14 15.0	1.599	2.599	5.1	17.1
7 30	19 1.75	−14 56.4	1.630	2.594	8.9	17.3
8 9	18 55.06	−15 39.4	1.685	2.589	12.6	17.5
8 19	18 50.85	−16 21.4	1.761	2.584	15.9	17.8
184838 2005 UX_{33}			7 10.4 39°.05		9°.0/13.0 18	
6 10	19 40.42	+ 0 22.1	1.822	2.659	15.0	19.3
6 20	19 34.85	+ 1 30.2	1.777	2.675	12.5	19.1
6 30	19 27.68	+ 2 18.6	1.753	2.692	10.3	19.0
7 10	19 19.70	+ 2 44.7	1.753	2.709	9.1	19.0
7 20	19 11.79	+ 2 48.2	1.777	2.727	9.4	19.1
7 30	19 4.82	+ 2 31.0	1.825	2.745	11.0	19.2
8 9	18 59.54	+ 1 57.3	1.894	2.763	13.1	19.4
8 19	18 56.37	+ 1 12.1	1.984	2.782	15.2	19.6
53930 2000 GO_{42}			7 10.4 256°.27		3°.5/11.3 18 R	
6 10	19 43.50	−13 23.0	1.685	2.571	13.7	19.8
6 20	19 37.42	−13 10.5	1.609	2.560	10.1	19.5
6 30	19 29.24	−13 8.0	1.557	2.550	6.3	19.3
7 10	19 19.77	−13 15.0	1.530	2.539	3.6	19.1
7 20	19 10.07	−13 30.1	1.529	2.528	5.4	19.2
7 30	19 1.29	−13 51.4	1.553	2.517	9.3	19.4
8 9	18 54.42	−14 16.7	1.601	2.505	13.2	19.6
8 19	18 50.11	−14 43.6	1.670	2.494	16.5	19.8
306662 2000 SZ_{238}			7 10.4 345°.28		10°.9/ 5.1 18	
6 10	19 36.89	−36 44.2	0.982	1.911	17.2	18.3
6 20	19 34.45	−39 2.2	0.925	1.891	13.7	18.0
6 30	19 28.37	−41 13.8	0.888	1.873	11.3	17.8
7 10	19 19.75	−43 3.9	0.871	1.857	11.2	17.7
7 20	19 10.42	−44 19.9	0.873	1.843	13.8	17.8
7 30	19 2.72	−44 56.0	0.894	1.831	17.6	18.0
8 9	18 58.60	−44 54.7	0.931	1.822	21.4	18.2
8 19	18 59.07	−44 22.7	0.981	1.815	24.8	18.4
247525 2002 QQ_{92}			7 10.4 172°.33		6°.0/ 8.8 16	
6 10	19 48.24	−38 54.5	2.037	2.916	11.9	20.2
6 20	19 40.63	−39 27.0	1.978	2.917	9.2	20.0
6 30	19 30.83	−39 48.0	1.943	2.918	6.9	19.9
7 10	19 19.84	−39 52.9	1.934	2.919	6.1	19.8
7 20	19 8.88	−39 39.3	1.951	2.919	7.4	19.9
7 30	18 59.17	−39 7.9	1.994	2.920	9.9	20.1
8 9	18 51.69	−38 22.3	2.060	2.920	12.6	20.2
8 19	18 46.99	−37 26.9	2.147	2.920	15.0	20.4
304624 2006 VB_{134}			7 10.4 326°.30		4°.3/ 8.7 18	
6 10	19 43.04	−31 57.5	1.944	2.842	11.6	20.6
6 20	19 37.08	−32 52.4	1.880	2.837	8.5	20.4
6 30	19 29.05	−33 43.0	1.840	2.833	5.5	20.2
7 10	19 19.78	−34 24.1	1.827	2.829	4.3	20.2
7 20	19 10.34	−34 51.8	1.840	2.825	6.3	20.3
7 30	19 1.86	−35 4.5	1.878	2.821	9.4	20.4
8 9	18 55.34	−35 3.5	1.940	2.817	12.5	20.6
8 19	18 51.38	−34 51.0	2.021	2.814	15.2	20.8

498400 2007 YF_7 7 10.4 169°.91 2°.0/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 47.36	−25 30.0	1.730	2.627	12.8	22.1
6 20	19 40.12	−26 7.5	1.669	2.630	9.0	21.9
6 30	19 30.63	−26 45.1	1.632	2.633	4.9	21.7
7 10	19 19.85	−27 18.1	1.621	2.635	2.0	21.5
7 20	19 8.97	−27 42.8	1.638	2.637	5.1	21.7
7 30	18 59.24	−27 57.7	1.681	2.638	9.2	21.9
8 9	18 51.69	−28 3.1	1.747	2.639	12.9	22.2
8 19	18 46.92	−28 0.7	1.834	2.639	16.0	22.4

25727 Karsonmiller 7 10.4 148°.91 4°.2/12.1 18

6 10	19 41.31	− 8 58.7	2.113	2.979	12.1	18.7
6 20	19 35.45	− 8 59.6	2.049	2.984	9.2	18.5
6 30	19 28.03	− 9 12.5	2.008	2.989	6.2	18.4
7 10	19 19.75	− 9 36.8	1.993	2.993	4.3	18.3
7 20	19 11.40	−10 10.5	2.005	2.997	5.2	18.3
7 30	19 3.82	−10 51.3	2.045	3.001	7.9	18.5
8 9	18 57.75	−11 36.2	2.109	3.005	10.8	18.7
8 19	18 53.66	−12 22.3	2.195	3.008	13.5	18.9

202196 2004 XE_{71} 7 10.4 135°.51 3°.6/11.3 18

6 10	19 43.80	−12 28.2	2.139	3.011	11.8	20.1
6 20	19 37.09	−11 56.7	2.078	3.020	8.7	19.9
6 30	19 28.84	−11 33.1	2.043	3.030	5.6	19.7
7 10	19 19.79	−11 17.5	2.034	3.038	3.6	19.6
7 20	19 10.75	−11 9.8	2.053	3.047	4.9	19.7
7 30	19 2.60	−11 9.0	2.100	3.055	7.8	19.9
8 9	18 56.03	−11 13.9	2.171	3.062	10.8	20.1
8 19	18 51.50	−11 22.8	2.265	3.070	13.4	20.3

282929 2007 PH_{29} 7 10.4 2°.48 0°.3/10.4 18

6 10	19 44.51	−25 24.7	1.146	2.065	16.1	18.5
6 20	19 38.61	−24 14.3	1.091	2.063	11.4	18.3
6 30	19 29.94	−22 58.5	1.058	2.062	6.0	18.0
7 10	19 19.83	−21 38.4	1.047	2.063	0.4	17.6
7 20	19 9.87	−20 17.1	1.060	2.066	5.5	17.9
7 30	19 1.61	−18 58.8	1.096	2.070	10.9	18.3
8 9	18 56.18	−17 47.4	1.153	2.076	15.6	18.6
8 19	18 54.11	−16 44.7	1.229	2.083	19.5	18.8

316083 2009 KZ_3 7 10.4 55°.23 1°.0/10.1 17

6 10	19 45.52	−22 13.6	1.211	2.124	15.9	20.1
6 20	19 39.18	−22 52.0	1.171	2.140	11.1	19.9
6 30	19 30.20	−23 34.5	1.152	2.156	5.8	19.6
7 10	19 19.85	−24 15.4	1.157	2.173	1.0	19.4
7 20	19 9.64	−24 49.9	1.186	2.190	5.5	19.7
7 30	19 1.06	−25 15.5	1.239	2.208	10.5	20.1
8 9	18 55.23	−25 31.8	1.313	2.225	14.9	20.4
8 19	18 52.66	−25 39.8	1.405	2.243	18.4	20.6

227428 2005 VC_{81} 7 10.4 95°.96 2°.4/ 9.6 18

6 10	19 44.90	−26 15.9	1.650	2.553	13.0	20.8
6 20	19 38.47	−26 57.9	1.593	2.557	9.2	20.6
6 30	19 29.79	−27 39.6	1.560	2.561	5.1	20.3
7 10	19 19.84	−28 16.1	1.552	2.565	2.4	20.2
7 20	19 9.81	−28 43.4	1.570	2.569	5.3	20.4
7 30	19 0.95	−28 59.9	1.614	2.573	9.4	20.6
8 9	18 54.28	−29 5.8	1.682	2.577	13.1	20.8
8 19	18 50.42	−29 3.0	1.768	2.581	16.2	21.1

509162 2006 DS_{99} 7 10.4 230°.88 0°.4/10.3 18

6 10	19 43.77	−21 59.7	1.933	2.828	11.8	21.9
6 20	19 37.49	−22 25.5	1.860	2.821	8.3	21.7
6 30	19 29.24	−22 54.4	1.811	2.813	4.4	21.4
7 10	19 19.83	−23 23.3	1.789	2.806	0.5	21.1
7 20	19 10.22	−23 49.3	1.795	2.798	4.2	21.4
7 30	19 1.48	−24 10.4	1.827	2.790	8.2	21.6
8 9	18 54.53	−24 25.7	1.884	2.781	11.8	21.8
8 19	18 49.99	−24 35.6	1.962	2.773	14.9	22.0

38890 2000 SO_{146} 7 10.4 307°.37 3°.8/ 9.6 18

6 10	19 46.63	−29 0.3	1.298	2.209	15.2	18.5
6 20	19 40.29	−29 32.8	1.235	2.202	10.9	18.3
6 30	19 30.98	−30 1.9	1.195	2.195	6.4	18.0
7 10	19 19.90	−30 21.3	1.177	2.189	3.8	17.8
7 20	19 8.61	−30 26.8	1.184	2.182	6.8	18.0
7 30	18 58.81	−30 17.4	1.215	2.176	11.5	18.2
8 9	18 51.83	−29 55.5	1.266	2.170	15.9	18.5
8 19	18 48.39	−29 24.7	1.335	2.165	19.6	18.7

336257 2008 SX_{149} 7 10.4 350°.03 6°.7/ 9.0 18

6 10	19 48.27	−37 53.7	1.573	2.467	14.1	19.9
6 20	19 41.12	−38 25.5	1.516	2.465	10.8	19.7
6 30	19 31.26	−38 44.6	1.481	2.463	7.9	19.6
7 10	19 19.92	−38 45.0	1.470	2.462	6.7	19.5
7 20	19 8.58	−38 23.8	1.484	2.461	8.4	19.6
7 30	18 58.80	−37 42.3	1.521	2.460	11.5	19.8
8 9	18 51.75	−36 45.3	1.581	2.459	14.8	20.0
8 19	18 48.02	−35 38.4	1.660	2.459	17.7	20.2

117588 2005 EY_{46} 7 10.4 31°.72 2°.1/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 43.96	−18 4.6	1.166	2.078	16.5	19.1
6 20	19 38.14	−17 51.0	1.119	2.086	11.8	18.9
6 30	19 29.69	−17 45.4	1.092	2.094	6.5	18.6
7 10	19 19.85	−17 46.2	1.088	2.103	2.2	18.3
7 20	19 10.07	−17 51.2	1.107	2.112	5.6	18.6
7 30	19 1.85	−17 58.7	1.149	2.122	10.7	18.9
8 9	18 56.29	−18 7.2	1.212	2.133	15.2	19.2
8 19	18 53.97	−18 15.3	1.294	2.144	19.0	19.5

383327 2006 KD_{17} 7 10.4 58°.82 1°.5/11.0 17

6 10	19 42.95	−16 5.3	1.595	2.491	13.8	20.4
6 20	19 36.87	−16 40.7	1.553	2.512	9.8	20.2
6 30	19 28.84	−17 25.2	1.534	2.534	5.4	20.0
7 10	19 19.82	−18 15.1	1.541	2.556	1.6	19.8
7 20	19 10.89	−19 6.3	1.573	2.578	4.4	20.0
7 30	19 3.15	−19 55.2	1.632	2.600	8.5	20.3
8 9	18 57.45	−20 39.2	1.714	2.622	12.2	20.6
8 19	18 54.28	−21 17.1	1.818	2.644	15.3	20.9

86866 2000 HD_{18} 7 10.4 275°.32 2°.8/11.1 18

6 10	19 43.46	−15 25.2	1.590	2.483	13.9	19.7
6 20	19 37.47	−15 16.1	1.521	2.478	10.2	19.4
6 30	19 29.30	−15 15.6	1.475	2.472	6.0	19.2
7 10	19 19.85	−15 22.9	1.454	2.467	2.8	19.0
7 20	19 10.23	−15 36.2	1.459	2.461	5.1	19.1
7 30	19 1.64	−15 53.6	1.489	2.455	9.3	19.3
8 9	18 55.09	−16 13.1	1.542	2.450	13.3	19.6
8 19	18 51.21	−16 33.0	1.615	2.444	16.8	19.8

37092 2000 UG_{78} 7 10.4 223°.88 2°.6/11.4 18

6 10	19 40.32	−12 44.5	2.945	3.810	9.1	19.4
6 20	19 34.51	−12 34.0	2.859	3.799	6.7	19.2
6 30	19 27.50	−12 29.6	2.800	3.787	4.3	19.0
7 10	19 19.78	−12 30.8	2.769	3.775	2.6	18.9
7 20	19 11.95	−12 37.1	2.767	3.762	3.7	18.9
7 30	19 4.62	−12 47.6	2.794	3.749	6.1	19.1
8 9	18 58.36	−13 1.0	2.847	3.735	8.6	19.2
8 19	18 53.59	−13 16.3	2.924	3.721	10.9	19.4

397040 2005 UV_{63} 7 10.4 310°.88 4°.6/ 8.3 18

6 10	19 42.66	−32 42.2	2.003	2.900	11.3	20.6
6 20	19 36.89	−33 44.6	1.933	2.888	8.4	20.4
6 30	19 29.02	−34 42.8	1.887	2.877	5.7	20.2
7 10	19 19.85	−35 31.4	1.868	2.867	4.7	20.1
7 20	19 10.41	−36 6.2	1.875	2.856	6.5	20.2
7 30	19 1.85	−36 25.2	1.907	2.846	9.5	20.4
8 9	18 55.18	−36 29.2	1.963	2.836	12.5	20.6
8 19	18 51.06	−36 20.5	2.039	2.826	15.2	20.7

255258 2005 VH_4 7 10.4 235°.37 2°.4/11.3 18

6 10	19 40.62	−13 43.8	2.940	3.809	9.0	21.8
6 20	19 34.74	−13 30.4	2.852	3.794	6.6	21.6
6 30	19 27.63	−13 22.4	2.789	3.778	4.1	21.4
7 10	19 19.80	−13 19.3	2.755	3.763	2.4	21.2
7 20	19 11.82	−13 20.7	2.750	3.746	3.6	21.3
7 30	19 4.35	−13 25.9	2.773	3.729	6.1	21.4
8 9	18 57.95	−13 33.8	2.824	3.712	8.7	21.6
8 19	18 53.07	−13 43.6	2.898	3.694	11.0	21.7

442561 2012 AK_{15} 7 10.4 204°.68 2°.7/ 9.6 18

6 10	19 43.86	−31 1.1	2.436	3.325	9.9	21.0
6 20	19 37.21	−31 9.2	2.369	3.323	7.1	20.8
6 30	19 28.96	−31 12.5	2.326	3.322	4.3	20.6
7 10	19 19.85	−31 8.3	2.312	3.320	2.7	20.5
7 20	19 10.72	−30 55.4	2.325	3.318	4.5	20.6
7 30	19 2.46	−30 33.8	2.366	3.316	7.4	20.8
8 9	18 55.80	−30 5.0	2.432	3.314	10.1	21.0
8 19	18 51.21	−29 31.1	2.521	3.311	12.6	21.2

470297 2007 GW_{18} 7 10.4 58°.86 4°.0/11.5 17

6 10	19 43.12	−12 41.9	1.531	2.421	14.6	21.2
6 20	19 37.05	−12 25.1	1.482	2.433	10.8	21.0
6 30	19 28.97	−12 19.9	1.455	2.446	6.8	20.8
7 10	19 19.85	−12 25.6	1.452	2.460	4.0	20.6
7 20	19 10.78	−12 40.7	1.474	2.473	5.6	20.8
7 30	19 2.91	−13 2.7	1.522	2.487	9.3	21.0
8 9	18 57.11	−13 29.0	1.593	2.500	13.0	21.3
8 19	18 53.90	−13 56.9	1.683	2.514	16.1	21.5

4223 Shikoku 7 10.4 307°.41 1°.7/10.8 18

6 10	19 41.91	−18 13.6	1.975	2.867	11.7	15.3
6 20	19 36.08	−17 51.2	1.899	2.857	8.4	15.1
6 30	19 28.47	−17 32.7	1.848	2.847	4.7	14.8
7 10	19 19.83	−17 17.6	1.823	2.837	1.8	14.6
7 20	19 11.07	−17 5.3	1.825	2.827	4.2	14.7
7 30	19 3.14	−16 55.3	1.854	2.818	7.9	15.0
8 9	18 56.87	−16 47.4	1.907	2.809	11.5	15.1
8 19	18 52.83	−16 41.2	1.981	2.800	14.5	15.3

135661 2002 LC_{60} 7 10.4 66°.58 7°.8/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 42.63	− 3 37.9	1.716	2.571	15.0	19.3
6 20	19 36.53	− 2 40.4	1.665	2.583	12.1	19.1
6 30	19 28.65	− 2 0.2	1.636	2.595	9.4	19.0
7 10	19 19.84	− 1 39.5	1.631	2.607	7.9	18.9
7 20	19 11.07	− 1 38.4	1.651	2.620	8.4	19.0
7 30	19 3.32	− 1 55.2	1.695	2.632	10.6	19.1
8 9	18 57.41	− 2 25.9	1.761	2.645	13.2	19.3
8 19	18 53.80	− 3 6.2	1.848	2.657	15.8	19.5

191077 2002 CA_{210} 7 10.4 52°.19 0°.9/10.2 17

6 10	19 44.17	−23 21.7	1.522	2.428	13.7	19.9
6 20	19 37.92	−23 39.8	1.473	2.439	9.6	19.7
6 30	19 29.48	−23 59.6	1.447	2.451	5.0	19.5
7 10	19 19.87	−24 17.4	1.446	2.462	0.9	19.2
7 20	19 10.34	−24 30.6	1.471	2.475	4.8	19.5
7 30	19 2.10	−24 37.6	1.521	2.487	9.2	19.8
8 9	18 56.12	−24 38.7	1.593	2.500	13.1	20.1
8 19	18 52.93	−24 34.8	1.686	2.513	16.3	20.3

48170 2001 HP_{15} 7 10.4 333°.37 1°.4/10.0 18

6 10	19 44.82	−24 6.2	1.397	2.306	14.5	18.8
6 20	19 38.73	−24 33.1	1.336	2.303	10.2	18.5
6 30	19 30.07	−25 2.0	1.298	2.301	5.4	18.2
7 10	19 19.91	−25 28.2	1.283	2.299	1.4	17.9
7 20	19 9.59	−25 48.0	1.293	2.297	5.4	18.2
7 30	19 0.56	−25 59.3	1.328	2.295	10.2	18.5
8 9	18 54.01	−26 2.2	1.385	2.293	14.5	18.7
8 19	18 50.59	−25 58.2	1.461	2.292	18.2	19.0

234345 2001 FW_{89} 7 10.4 52°.66 7°.6/13.4 18

6 10	19 40.58	− 2 8.2	1.717	2.569	15.1	20.6
6 20	19 35.16	− 1 45.4	1.663	2.578	12.2	20.4
6 30	19 27.97	− 1 42.5	1.630	2.588	9.5	20.3
7 10	19 19.83	− 2 0.2	1.620	2.598	7.8	20.2
7 20	19 11.66	− 2 37.2	1.635	2.608	8.1	20.2
7 30	19 4.44	− 3 30.1	1.674	2.618	10.2	20.4
8 9	18 58.99	− 4 33.7	1.736	2.628	13.0	20.6
8 19	18 55.80	− 5 42.9	1.819	2.639	15.6	20.8

437250 2012 XW_{59} 7 10.4 14°.37 2°.1/11.0 16

6 10	19 41.76	−16 30.3	1.705	2.600	13.1	21.1
6 20	19 36.10	−16 26.9	1.643	2.601	9.4	20.9
6 30	19 28.52	−16 31.1	1.604	2.602	5.4	20.6
7 10	19 19.85	−16 41.2	1.590	2.604	2.2	20.4
7 20	19 11.11	−16 55.6	1.603	2.606	4.5	20.6
7 30	19 3.37	−17 12.3	1.641	2.608	8.6	20.8
8 9	18 57.52	−17 29.7	1.703	2.611	12.3	21.1
8 19	18 54.10	−17 46.4	1.785	2.614	15.5	21.3

376885 2001 XM_{39} 7 10.4 225°.68 4°.5/ 8.4 18

6 10	19 48.01	−34 20.0	2.377	3.257	10.4	22.5
6 20	19 40.47	−35 17.2	2.298	3.243	7.8	22.3
6 30	19 30.86	−36 9.0	2.244	3.229	5.4	22.1
7 10	19 19.96	−36 50.3	2.219	3.213	4.6	22.1
7 20	19 8.73	−37 17.4	2.222	3.196	6.2	22.1
7 30	18 58.29	−37 28.8	2.252	3.179	8.9	22.3
8 9	18 49.61	−37 25.8	2.307	3.161	11.6	22.4
8 19	18 43.35	−37 11.1	2.383	3.142	14.0	22.6

305305 2008 AE_{36} 7 10.4 20°.84 0°.9/10.8 18

6 10	19 40.79	−17 36.9	1.969	2.862	11.7	20.4
6 20	19 35.30	−18 10.4	1.905	2.863	8.3	20.2
6 30	19 28.07	−18 50.9	1.864	2.864	4.5	19.9
7 10	19 19.84	−19 35.6	1.850	2.866	1.0	19.7
7 20	19 11.48	−20 21.3	1.863	2.867	3.9	19.9
7 30	19 3.95	−21 4.9	1.903	2.869	7.7	20.1
8 9	18 58.06	−21 44.5	1.968	2.870	11.1	20.4
8 19	18 54.35	−22 18.8	2.054	2.872	14.1	20.6

386088 2007 OD_{7} 7 10.4 356°.33 6°.3/10.4 16

6 10	19 45.55	−36 56.6	1.096	2.011	17.0	19.2
6 20	19 39.79	−36 32.3	1.040	2.004	12.9	19.0
6 30	19 30.73	−35 49.3	1.004	1.998	8.7	18.7
7 10	19 19.95	−34 43.3	0.989	1.994	6.3	18.6
7 20	19 9.33	−33 14.9	0.997	1.992	8.4	18.7
7 30	19 0.75	−31 29.8	1.026	1.992	12.6	18.9
8 9	18 55.50	−29 36.7	1.076	1.993	17.0	19.2
8 19	18 54.06	−27 43.6	1.144	1.997	20.8	19.4

510258 2011 HG_{34} 7 10.4 37°.30 5°.0/ 9.0 17

6 10	19 45.39	−31 59.0	1.421	2.329	14.4	20.7
6 20	19 39.10	−32 49.5	1.376	2.338	10.5	20.5
6 30	19 30.22	−33 33.2	1.353	2.348	6.7	20.3
7 10	19 19.94	−34 3.7	1.354	2.359	5.1	20.2
7 20	19 9.71	−34 17.1	1.380	2.369	7.3	20.4
7 30	19 1.00	−34 12.8	1.429	2.381	11.0	20.6
8 9	18 54.93	−33 53.8	1.500	2.392	14.6	20.9
8 19	18 52.05	−33 24.0	1.590	2.404	17.7	21.1

354264 2002 QL_{145} 7 10.4 293°.69 0°.5/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 43.20	−21 25.1	1.885	2.782	12.0	21.3
6 20	19 37.42	−22 0.7	1.787	2.749	8.5	21.0
6 30	19 29.43	−22 42.1	1.713	2.715	4.5	20.7
7 10	19 19.93	−23 25.5	1.665	2.681	0.5	20.3
7 20	19 9.88	−24 7.3	1.644	2.647	4.5	20.6
7 30	19 0.44	−24 44.2	1.650	2.613	8.9	20.8
8 9	18 52.71	−25 14.5	1.680	2.578	13.0	20.9
8 19	18 47.51	−25 37.7	1.730	2.544	16.5	21.1

44127 1998 HO_{43} 7 10.4 352°.82 6°.0/12.1 18

6 10	19 40.50	− 9 36.8	1.165	2.064	17.5	17.4
6 20	19 35.86	− 9 19.9	1.106	2.060	13.4	17.2
6 30	19 28.64	− 9 22.0	1.067	2.057	9.1	16.9
7 10	19 19.90	− 9 43.4	1.050	2.054	6.2	16.7
7 20	19 10.95	−10 21.9	1.054	2.052	7.5	16.8
7 30	19 3.26	−11 13.2	1.081	2.051	11.6	17.0
8 9	18 58.04	−12 11.4	1.129	2.051	15.9	17.3
8 19	18 55.97	−13 11.2	1.194	2.052	19.8	17.5

38213 1999 NU_{6} 7 10.4 290°.04 2°.1/11.2 18

6 10	19 41.88	−15 5.2	1.697	2.589	13.3	18.5
6 20	19 36.35	−15 31.2	1.624	2.581	9.6	18.2
6 30	19 28.76	−16 8.0	1.575	2.573	5.5	18.0
7 10	19 19.90	−16 52.9	1.551	2.565	2.1	17.7
7 20	19 10.80	−17 42.6	1.553	2.557	4.6	17.9
7 30	19 2.58	−18 33.2	1.582	2.549	8.8	18.1
8 9	18 56.23	−19 21.7	1.634	2.541	12.7	18.3
8 19	18 52.39	−20 6.0	1.706	2.534	16.1	18.6

399180 2014 FY_{49} 7 10.4 118°.06 0°.0/10.4 18

6 10	19 43.74	−22 22.9	2.192	3.082	10.8	20.7
6 20	19 37.12	−22 18.3	2.133	3.092	7.5	20.5
6 30	19 28.92	−22 14.6	2.100	3.101	3.9	20.3
7 10	19 19.91	−22 10.3	2.094	3.110	0.2	20.0
7 20	19 10.94	−22 4.3	2.116	3.119	3.6	20.3
7 30	19 2.89	−21 56.0	2.166	3.128	7.1	20.6
8 9	18 56.47	−21 45.8	2.241	3.136	10.3	20.8
8 19	18 52.14	−21 34.2	2.338	3.144	12.9	21.0

471944 2013 RV_{34} 7 10.4 312°.75 5°.5/11.7 17

6 10	19 41.53	−10 44.9	1.322	2.216	16.1	21.1
6 20	19 36.54	−10 21.4	1.248	2.200	12.3	20.8
6 30	19 29.03	−10 12.9	1.194	2.184	8.3	20.6
7 10	19 19.93	−10 20.4	1.163	2.168	5.6	20.4
7 20	19 10.44	−10 42.7	1.156	2.153	7.1	20.4
7 30	19 1.98	−11 17.3	1.172	2.139	11.2	20.6
8 9	18 55.77	−11 59.9	1.208	2.124	15.6	20.8
8 19	18 52.59	−12 46.4	1.263	2.111	19.5	21.0

308989 2006 UK_{16} 7 10.4 351°.81 4°.7/ 8.3 18

6 10	19 43.18	−32 2.0	1.865	2.764	11.9	20.5
6 20	19 37.32	−33 12.9	1.805	2.762	8.8	20.3
6 30	19 29.28	−34 19.8	1.769	2.761	5.8	20.1
7 10	19 19.94	−35 16.6	1.760	2.759	4.8	20.0
7 20	19 10.39	−35 58.5	1.776	2.758	6.7	20.2
7 30	19 1.84	−36 23.6	1.818	2.758	9.8	20.3
8 9	18 55.31	−36 32.7	1.882	2.757	12.9	20.5
8 19	18 51.45	−36 28.4	1.967	2.757	15.6	20.7

382127 2011 HR_{95} 7 10.4 207°.19 2°.4/11.3 17

6 10	19 43.29	−14 50.6	1.837	2.723	12.7	21.3
6 20	19 37.15	−14 57.4	1.768	2.721	9.3	21.1
6 30	19 29.10	−15 13.0	1.722	2.718	5.5	20.9
7 10	19 19.93	−15 35.9	1.702	2.715	2.5	20.7
7 20	19 10.62	−16 3.8	1.709	2.711	4.5	20.8
7 30	19 2.19	−16 34.3	1.743	2.707	8.4	21.0
8 9	18 55.54	−17 5.2	1.801	2.704	12.0	21.3
8 19	18 51.27	−17 34.8	1.880	2.699	15.2	21.5

470654 2008 SD_{131} 7 10.4 307°.96 2°.5/11.1 16

6 10	19 42.46	−16 8.1	1.638	2.533	13.5	21.5
6 20	19 36.76	−15 57.7	1.568	2.526	9.8	21.2
6 30	19 28.97	−15 55.0	1.520	2.518	5.7	21.0
7 10	19 19.93	−15 59.1	1.497	2.510	2.5	20.8
7 20	19 10.72	−16 8.5	1.500	2.503	4.9	20.9
7 30	19 2.48	−16 21.4	1.529	2.496	9.1	21.1
8 9	18 56.20	−16 36.2	1.580	2.489	13.0	21.3
8 19	18 52.50	−16 51.6	1.652	2.482	16.4	21.5

259755 2004 AZ_{4} 7 10.4 144°.73 1°.2/10.9 17

6 10	19 44.58	−17 14.6	1.608	2.503	13.7	20.6
6 20	19 38.24	−17 46.2	1.548	2.507	9.8	20.4
6 30	19 29.73	−18 26.4	1.510	2.511	5.3	20.1
7 10	19 19.97	−19 11.8	1.498	2.514	1.2	19.9
7 20	19 10.08	−19 58.4	1.513	2.518	4.5	20.1
7 30	19 1.28	−20 42.7	1.554	2.521	9.0	20.4
8 9	18 54.56	−21 22.2	1.618	2.523	13.0	20.6
8 19	18 50.53	−21 56.0	1.703	2.526	16.3	20.8

46645 1995 OP_1 7 10.4 83°.02 1°.9/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 43.96	−26 56.2	2.016	2.913	11.3	18.8
6 20	19 37.43	−27 13.9	1.964	2.925	7.9	18.7
6 30	19 29.14	−27 29.7	1.936	2.936	4.3	18.5
7 10	19 19.94	−27 40.4	1.935	2.948	1.9	18.3
7 20	19 10.80	−27 44.3	1.961	2.960	4.4	18.5
7 30	19 2.69	−27 40.6	2.014	2.972	7.9	18.7
8 9	18 56.41	−27 30.4	2.091	2.984	11.1	19.0
8 19	18 52.44	−27 15.0	2.190	2.995	13.7	19.2

218885 2007 CT_{10} 7 10.5 224°.01 0°.5/10.3 18

6 10	19 45.66	−22 40.0	1.874	2.768	12.1	21.2
6 20	19 38.91	−22 55.8	1.800	2.760	8.6	21.0
6 30	19 30.07	−23 13.6	1.750	2.751	4.5	20.7
7 10	19 20.00	−23 30.4	1.726	2.743	0.5	20.4
7 20	19 9.73	−23 43.7	1.730	2.733	4.3	20.7
7 30	19 0.39	−23 52.1	1.761	2.723	8.5	20.9
8 9	18 52.96	−23 55.4	1.816	2.713	12.2	21.1
8 19	18 48.05	−23 54.3	1.892	2.702	15.4	21.3

511435 2014 JW_4 7 10.5 95°.13 0°.3/10.3 18

6 10	19 41.07	−21 2.2	2.187	3.081	10.7	21.6
6 20	19 35.41	−21 41.6	2.123	3.083	7.5	21.4
6 30	19 28.12	−22 24.8	2.084	3.086	3.9	21.2
7 10	19 19.91	−23 8.6	2.072	3.088	0.3	20.9
7 20	19 11.59	−23 50.0	2.088	3.091	3.7	21.2
7 30	19 4.03	−24 26.7	2.131	3.094	7.2	21.4
8 9	18 58.00	−24 57.3	2.200	3.096	10.4	21.6
8 19	18 54.01	−25 21.5	2.290	3.099	13.1	21.8

345054 2005 GK_{104} 7 10.5 98°.34 2°.7/ 9.6 17

6 10	19 44.95	−28 33.1	1.925	2.821	11.7	21.3
6 20	19 38.25	−29 0.7	1.871	2.831	8.3	21.1
6 30	19 29.63	−29 25.2	1.841	2.840	4.8	20.9
7 10	19 19.98	−29 42.8	1.838	2.849	2.7	20.8
7 20	19 10.35	−29 51.1	1.862	2.858	5.0	21.0
7 30	19 1.81	−29 49.4	1.912	2.867	8.5	21.2
8 9	18 55.24	−29 38.8	1.987	2.876	11.7	21.4
8 19	18 51.15	−29 21.5	2.082	2.885	14.5	21.6

134736 2000 AS_{151} 7 10.5 292°.83 3°.6/ 9.2 18

6 10	19 45.70	−27 2.0	1.416	2.324	14.4	19.2
6 20	19 39.86	−28 3.5	1.331	2.297	10.4	18.9
6 30	19 31.02	−29 8.0	1.268	2.269	6.0	18.6
7 10	19 20.06	−30 8.4	1.230	2.241	3.6	18.3
7 20	19 8.36	−30 57.5	1.216	2.213	6.9	18.5
7 30	18 57.60	−31 30.9	1.227	2.185	11.8	18.7
8 9	18 49.34	−31 48.1	1.259	2.157	16.4	18.9
8 19	18 44.60	−31 51.1	1.309	2.129	20.4	19.0

254383 2004 TL_{179} 7 10.5 253°.78 3°.4/11.8 18

6 10	19 39.35	−10 39.3	2.462	3.330	10.5	21.3
6 20	19 34.06	−10 36.5	2.383	3.321	7.9	21.2
6 30	19 27.38	−10 42.9	2.328	3.313	5.3	21.0
7 10	19 19.90	−10 58.0	2.301	3.304	3.5	20.8
7 20	19 12.28	−11 20.6	2.301	3.295	4.4	20.9
7 30	19 5.24	−11 49.1	2.328	3.286	7.0	21.0
8 9	18 59.45	−12 21.4	2.382	3.277	9.8	21.2
8 19	18 55.37	−12 55.5	2.457	3.267	12.3	21.4

417216 2005 XV_{109} 7 10.5 220°.60 0°.6/10.3 18

6 10	19 46.89	−24 29.3	2.176	3.063	11.0	22.2
6 20	19 39.52	−24 22.6	2.096	3.053	7.7	22.0
6 30	19 30.31	−24 14.8	2.042	3.043	4.1	21.7
7 10	19 20.04	−24 3.9	2.016	3.033	0.6	21.4
7 20	19 9.63	−23 48.8	2.019	3.021	3.9	21.7
7 30	19 0.11	−23 29.4	2.050	3.009	7.7	21.9
8 9	18 52.31	−23 6.6	2.106	2.997	11.1	22.1
8 19	18 46.81	−22 41.8	2.185	2.984	14.0	22.3

499048 2009 DK_{77} 7 10.5 103°.44 2°.3/11.1 17

6 10	19 46.93	−15 44.1	1.469	2.362	14.9	21.6
6 20	19 39.83	−15 53.6	1.422	2.379	10.7	21.4
6 30	19 30.52	−16 12.7	1.398	2.396	6.1	21.2
7 10	19 20.05	−16 38.6	1.398	2.412	2.4	21.0
7 20	19 9.68	−17 8.3	1.425	2.428	5.0	21.2
7 30	19 0.65	−17 38.9	1.477	2.443	9.4	21.5
8 9	18 53.94	−18 8.3	1.552	2.458	13.3	21.8
8 19	18 50.08	−18 35.0	1.647	2.473	16.7	22.0

290655 2005 UN_{287} 7 10.5 163°.41 0°.4/10.3 17

6 10	19 44.89	−21 41.6	1.929	2.822	11.9	21.7
6 20	19 38.24	−22 12.2	1.866	2.826	8.3	21.5
6 30	19 29.67	−22 46.1	1.828	2.829	4.4	21.3
7 10	19 20.02	−23 19.7	1.816	2.833	0.4	20.9
7 20	19 10.27	−23 50.1	1.832	2.835	4.1	21.3
7 30	19 1.48	−24 15.1	1.876	2.838	8.1	21.5
8 9	18 54.52	−24 34.0	1.944	2.840	11.6	21.7
8 19	18 49.96	−24 47.0	2.033	2.841	14.6	21.9

360972 2005 UZ_{230} 7 10.5 248°.16 0°.6/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 41.49	−23 10.7	2.494	3.384	9.6	21.8
6 20	19 35.64	−23 29.8	2.414	3.372	6.8	21.6
6 30	19 28.25	−23 50.4	2.359	3.360	3.6	21.3
7 10	19 19.97	−24 10.0	2.331	3.347	0.6	21.1
7 20	19 11.51	−24 26.7	2.332	3.335	3.5	21.3
7 30	19 3.69	−24 39.3	2.362	3.322	6.8	21.5
8 9	18 57.23	−24 47.2	2.416	3.308	9.8	21.7
8 19	18 52.64	−24 50.8	2.494	3.295	12.4	21.8

67361 2000 KQ_{42} 7 10.5 344°.30 6°.7/12.4 18

6 10	19 35.37	− 9 28.7	0.888	1.808	19.5	18.3
6 20	19 32.85	− 9 18.5	0.827	1.792	15.1	18.0
6 30	19 27.36	− 9 33.3	0.784	1.778	10.3	17.7
7 10	19 19.94	−10 14.1	0.759	1.766	6.9	17.4
7 20	19 12.08	−11 17.7	0.753	1.755	8.3	17.5
7 30	19 5.56	−12 37.3	0.767	1.747	13.1	17.7
8 9	19 1.89	−14 3.7	0.798	1.741	18.2	18.0
8 19	19 1.94	−15 28.6	0.845	1.737	22.8	18.2

305402 2008 CO_{82} 7 10.5 252°.18 0°.6/10.6 18

6 10	19 42.38	−20 24.8	2.136	3.027	11.0	21.1
6 20	19 36.36	−20 23.5	2.062	3.021	7.8	20.9
6 30	19 28.66	−20 25.1	2.013	3.014	4.2	20.7
7 10	19 19.99	−20 27.9	1.991	3.008	0.6	20.4
7 20	19 11.20	−20 30.5	1.997	3.001	3.7	20.6
7 30	19 3.21	−20 32.1	2.030	2.994	7.4	20.9
8 9	18 56.80	−20 32.1	2.088	2.987	10.8	21.1
8 19	18 52.49	−20 30.6	2.168	2.980	13.6	21.2

168112 2006 FG 7 10.5 6°.98 17°.5/ 4.0 17

6 10	19 38.21	−50 16.9	0.911	1.816	20.7	17.4
6 20	19 35.99	−52 39.1	0.889	1.818	18.7	17.3
6 30	19 29.32	−54 26.5	0.883	1.823	17.6	17.3
7 10	19 20.03	−55 26.0	0.893	1.831	17.7	17.3
7 20	19 10.74	−55 32.3	0.920	1.842	18.9	17.4
7 30	19 4.14	−54 48.7	0.962	1.855	20.8	17.6
8 9	19 1.90	−53 26.1	1.018	1.871	22.9	17.8
8 19	19 4.39	−51 36.1	1.087	1.890	24.8	18.0

288662 2004 PA_{59} 7 10.5 310°.47 4°.4/12.4 18

6 10	19 39.03	− 8 20.3	2.023	2.893	12.4	20.1
6 20	19 34.12	− 8 28.4	1.943	2.880	9.5	19.9
6 30	19 27.55	− 8 50.3	1.886	2.867	6.6	19.7
7 10	19 19.97	− 9 25.3	1.855	2.855	4.5	19.5
7 20	19 12.17	−10 11.7	1.850	2.843	5.4	19.5
7 30	19 5.02	−11 6.3	1.871	2.831	8.2	19.7
8 9	18 59.34	−12 5.5	1.917	2.819	11.4	19.9
8 19	18 55.69	−13 5.9	1.984	2.808	14.3	20.0

507548 2012 XY_{115} 7 10.5 237°.94 6°.2/12.4 18

6 10	19 41.38	− 3 54.1	2.284	3.126	12.2	21.6
6 20	19 35.58	− 3 23.2	2.202	3.114	9.8	21.4
6 30	19 28.25	− 3 5.5	2.144	3.102	7.6	21.3
7 10	19 20.01	− 3 2.3	2.112	3.090	6.2	21.2
7 20	19 11.57	− 3 13.5	2.106	3.077	6.7	21.2
7 30	19 3.76	− 3 37.9	2.127	3.064	8.8	21.3
8 9	18 57.28	− 4 12.7	2.172	3.051	11.3	21.4
8 19	18 52.67	− 4 54.8	2.239	3.037	13.7	21.6

69338 1993 TM_6 7 10.5 61°.53 2°.5/ 9.9 18

6 10	19 47.84	−26 41.7	1.233	2.144	15.8	18.7
6 20	19 40.91	−27 4.2	1.190	2.158	11.1	18.4
6 30	19 31.23	−27 24.6	1.170	2.172	6.1	18.2
7 10	19 20.15	−27 37.7	1.172	2.186	2.5	18.0
7 20	19 9.24	−27 40.4	1.199	2.201	6.0	18.3
7 30	19 0.08	−27 32.3	1.250	2.215	10.8	18.6
8 9	18 53.79	−27 15.5	1.322	2.230	15.1	18.9
8 19	18 50.89	−26 52.7	1.412	2.245	18.6	19.2

86348 1999 XF_{102} 7 10.5 241°.07 0°.0/10.5 18

6 10	19 41.02	−21 37.2	2.662	3.549	9.2	19.6
6 20	19 35.21	−21 44.4	2.581	3.538	6.5	19.4
6 30	19 28.02	−21 53.4	2.526	3.527	3.4	19.2
7 10	19 20.01	−22 2.5	2.499	3.516	0.2	18.9
7 20	19 11.88	−22 10.4	2.501	3.504	3.1	19.1
7 30	19 4.35	−22 16.0	2.531	3.492	6.3	19.3
8 9	18 58.07	−22 19.0	2.587	3.480	9.2	19.5
8 19	18 53.52	−22 19.5	2.666	3.468	11.7	19.6

45803 2000 QH_1 7 10.5 352°.42 8°.5/ 9.2 18

6 10	19 46.62	−39 29.7	1.202	2.108	16.6	17.7
6 20	19 40.66	−40 0.3	1.147	2.101	13.0	17.5
6 30	19 31.35	−40 13.8	1.113	2.095	9.8	17.3
7 10	19 20.16	−40 2.6	1.100	2.091	8.6	17.2
7 20	19 8.97	−39 23.3	1.109	2.088	10.3	17.3
7 30	18 59.73	−38 18.5	1.139	2.086	13.7	17.5
8 9	18 53.82	−36 55.5	1.190	2.085	17.4	17.7
8 19	18 51.83	−35 22.2	1.257	2.085	20.7	17.9

249526 2010 FY_{84} 7 10.5 195°.19 1°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 43.30	−24 19.9	1.974	2.871	11.5	20.9
6 20	19 37.19	−24 58.9	1.908	2.870	8.1	20.7
6 30	19 29.18	−25 39.4	1.868	2.869	4.3	20.4
7 10	19 20.07	−26 17.5	1.854	2.868	1.4	20.2
7 20	19 10.81	−26 49.9	1.867	2.868	4.4	20.4
7 30	19 2.45	−27 14.5	1.907	2.866	8.1	20.7
8 9	18 55.87	−27 30.8	1.971	2.865	11.6	20.9
8 19	18 51.64	−27 39.6	2.057	2.864	14.5	21.1

377663 2005 UU_{234} 7 10.5 173°.96 1°.3/10.9 17

6 10	19 44.10	−17 19.2	1.918	2.806	12.2	21.7
6 20	19 37.69	−17 34.5	1.852	2.808	8.7	21.5
6 30	19 29.42	−17 56.5	1.811	2.810	4.8	21.2
7 10	19 20.09	−18 22.7	1.796	2.811	1.4	21.0
7 20	19 10.66	−18 50.7	1.808	2.812	4.1	21.2
7 30	19 2.13	−19 18.3	1.848	2.812	8.0	21.4
8 9	18 55.36	−19 43.9	1.912	2.812	11.5	21.7
8 19	18 50.91	−20 6.5	1.997	2.812	14.6	21.9

335045 2004 RW_{96} 7 10.5 8°.94 5°.5/10.2 18

6 10	19 48.56	−35 18.9	1.261	2.168	15.9	19.0
6 20	19 41.58	−35 8.0	1.209	2.169	11.8	18.8
6 30	19 31.63	−34 42.9	1.178	2.171	7.7	18.6
7 10	19 20.19	−33 59.5	1.169	2.174	5.5	18.5
7 20	19 8.97	−32 57.3	1.185	2.178	7.6	18.6
7 30	18 59.65	−31 40.2	1.224	2.183	11.6	18.8
8 9	18 53.42	−30 14.8	1.284	2.189	15.7	19.1
8 19	18 50.75	−28 47.3	1.363	2.196	19.1	19.4

395610 2011 UH_{362} 7 10.5 257°.11 4°.5/ 8.2 18

6 10	19 43.74	−32 58.7	2.195	3.087	10.7	20.8
6 20	19 37.57	−34 7.3	2.130	3.082	7.9	20.6
6 30	19 29.43	−35 11.7	2.089	3.077	5.4	20.5
7 10	19 20.10	−36 6.5	2.076	3.072	4.6	20.4
7 20	19 10.53	−36 47.7	2.089	3.067	6.2	20.5
7 30	19 1.78	−37 13.4	2.129	3.062	9.0	20.7
8 9	18 54.79	−37 24.2	2.193	3.057	11.7	20.8
8 19	18 50.18	−37 22.4	2.278	3.052	14.2	21.0

398305 2010 XZ_{30} 7 10.5 335°.09 0°.4/10.3 18

6 10	19 39.40	−21 54.0	1.649	2.557	12.7	20.5
6 20	19 34.80	−22 16.1	1.573	2.540	9.0	20.2
6 30	19 28.08	−22 42.5	1.520	2.524	4.8	19.9
7 10	19 20.04	−23 10.0	1.491	2.508	0.4	19.6
7 20	19 11.72	−23 35.5	1.488	2.493	4.5	19.8
7 30	19 4.29	−23 56.6	1.510	2.479	9.0	20.1
8 9	18 58.78	−24 12.0	1.555	2.466	13.0	20.3
8 19	18 55.86	−24 21.7	1.619	2.454	16.5	20.5

99914 1997 ST_{24} 7 10.5 19°.79 1°.0/10.2 17

6 10	19 42.99	−24 0.6	1.906	2.805	11.7	19.8
6 20	19 36.97	−24 19.6	1.843	2.805	8.2	19.5
6 30	19 29.05	−24 39.5	1.804	2.806	4.4	19.3
7 10	19 20.08	−24 57.4	1.791	2.806	1.0	19.1
7 20	19 11.03	−25 10.8	1.805	2.807	4.2	19.3
7 30	19 2.93	−25 18.3	1.845	2.808	8.1	19.5
8 9	18 56.66	−25 20.1	1.910	2.809	11.6	19.8
8 19	18 52.77	−25 16.8	1.995	2.810	14.6	20.0

35569 1998 GN_{9} 7 10.5 350°.64 2°.6/ 9.2 18

6 10	19 42.61	−23 16.2	1.448	2.358	14.0	17.4
6 20	19 37.34	−24 53.9	1.387	2.354	9.9	17.1
6 30	19 29.53	−26 38.5	1.348	2.351	5.4	16.8
7 10	19 20.11	−28 21.7	1.335	2.348	2.7	16.7
7 20	19 10.32	−29 55.4	1.348	2.346	6.1	16.9
7 30	19 1.61	−31 13.3	1.386	2.345	10.6	17.1
8 9	18 55.20	−32 13.3	1.446	2.344	14.7	17.4
8 19	18 51.88	−32 55.9	1.525	2.343	18.1	17.6

106804 2000 XY_{33} 7 10.5 249°.87 5°.2/ 8.7 18

6 10	19 48.98	−32 29.8	1.654	2.550	13.4	20.1
6 20	19 41.85	−33 30.6	1.579	2.535	9.9	19.9
6 30	19 31.94	−34 26.9	1.528	2.519	6.6	19.6
7 10	19 20.23	−35 11.4	1.502	2.503	5.2	19.5
7 20	19 8.07	−35 38.6	1.502	2.487	7.5	19.6
7 30	18 57.02	−35 46.4	1.527	2.469	11.2	19.8
8 9	18 48.43	−35 36.7	1.575	2.452	14.9	20.0
8 19	18 43.11	−35 13.6	1.641	2.434	18.1	20.1

434688 2006 BH_{54} 7 10.5 162°.23 1°.4/10.9 17

6 10	19 43.46	−17 4.9	1.995	2.882	11.8	21.7
6 20	19 37.17	−17 21.1	1.931	2.885	8.4	21.5
6 30	19 29.13	−17 43.9	1.890	2.889	4.7	21.3
7 10	19 20.10	−18 10.9	1.877	2.892	1.4	21.1
7 20	19 10.98	−18 39.9	1.891	2.894	3.9	21.3
7 30	19 2.73	−19 8.6	1.932	2.896	7.7	21.5
8 9	18 56.16	−19 35.4	1.998	2.898	11.1	21.7
8 19	18 51.81	−19 59.3	2.086	2.900	14.1	21.9

127343 2002 JE_{119} 7 10.5 18°.16 0°.6/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 42.64	−17 3.6	1.683	2.578	13.2	19.2
6 20	19 36.94	−18 3.1	1.619	2.579	9.4	18.9
6 30	19 29.15	−19 12.8	1.578	2.580	5.0	18.7
7 10	19 20.11	−20 28.0	1.564	2.580	0.7	18.4
7 20	19 10.85	−21 43.3	1.577	2.581	4.3	18.6
7 30	19 2.53	−22 53.8	1.616	2.583	8.7	18.9
8 9	18 56.14	−23 56.3	1.679	2.584	12.6	19.1
8 19	18 52.32	−24 49.2	1.763	2.585	15.9	19.4

414464 2009 HA_{67} 7 10.5 214°.24 3°.2/11.4 17

6 10	19 45.76	−13 54.1	1.639	2.524	14.1	21.8
6 20	19 39.15	−13 51.6	1.567	2.518	10.3	21.5
6 30	19 30.32	−13 59.4	1.519	2.513	6.3	21.3
7 10	19 20.17	−14 16.3	1.495	2.506	3.2	21.1
7 20	19 9.80	−14 40.2	1.498	2.499	5.2	21.2
7 30	19 0.41	−15 8.6	1.527	2.492	9.3	21.4
8 9	18 53.05	−15 39.2	1.580	2.483	13.3	21.6
8 19	18 48.38	−16 9.7	1.653	2.475	16.8	21.9

248451 2005 TH_{152} 7 10.5 235°.78 1°.0/ 9.9 18

6 10	19 41.08	−22 37.5	2.443	3.334	9.8	19.9
6 20	19 35.42	−23 33.1	2.371	3.330	6.8	19.7
6 30	19 28.21	−24 31.8	2.325	3.326	3.6	19.5
7 10	19 20.07	−25 30.1	2.307	3.322	1.0	19.3
7 20	19 11.74	−26 24.5	2.317	3.318	3.7	19.5
7 30	19 4.03	−27 12.4	2.356	3.314	6.9	19.7
8 9	18 57.69	−27 52.4	2.421	3.310	9.9	19.9
8 19	18 53.24	−28 24.2	2.509	3.305	12.4	20.0

206117 2002 RS_{248} 7 10.5 339°.42 0°.0/10.5 17

6 10	19 42.41	−21 13.2	1.727	2.628	12.6	20.5
6 20	19 36.72	−21 28.6	1.662	2.625	8.9	20.3
6 30	19 29.00	−21 47.8	1.619	2.622	4.7	20.0
7 10	19 20.11	−22 8.1	1.603	2.619	0.2	19.7
7 20	19 11.08	−22 26.7	1.612	2.617	4.3	20.0
7 30	19 3.05	−22 41.8	1.648	2.615	8.5	20.3
8 9	18 56.94	−22 52.6	1.707	2.613	12.4	20.5
8 19	18 53.35	−22 59.2	1.787	2.611	15.6	20.7

246043 2006 UO_{190} 7 10.5 188°.46 0°.5/10.6 18

6 10	19 43.20	−21 6.3	2.359	3.246	10.2	20.6
6 20	19 36.79	−20 56.4	2.289	3.245	7.2	20.4
6 30	19 28.86	−20 48.1	2.244	3.244	3.8	20.2
7 10	19 20.10	−20 40.1	2.227	3.243	0.5	19.9
7 20	19 11.30	−20 31.6	2.239	3.242	3.4	20.1
7 30	19 3.29	−20 22.1	2.278	3.241	6.8	20.4
8 9	18 56.75	−20 11.8	2.344	3.239	9.9	20.5
8 19	18 52.17	−20 0.9	2.432	3.237	12.5	20.7

225855 2001 XZ_{172} 7 10.5 188°.04 0°.4/10.6 18

6 10	19 44.35	−19 51.9	1.974	2.864	11.8	20.9
6 20	19 37.88	−20 13.4	1.906	2.864	8.3	20.7
6 30	19 29.55	−20 39.3	1.862	2.863	4.4	20.4
7 10	19 20.14	−21 7.1	1.845	2.862	0.4	20.1
7 20	19 10.60	−21 33.9	1.856	2.860	3.9	20.4
7 30	19 1.95	−21 57.9	1.894	2.858	7.9	20.6
8 9	18 55.04	−22 17.7	1.957	2.855	11.4	20.8
8 19	18 50.44	−22 33.4	2.042	2.853	14.4	21.0

323388 2003 YS_{90} 7 10.5 166°.67 1°.0/10.1 17

6 10	19 45.89	−22 5.8	1.625	2.524	13.4	20.8
6 20	19 39.30	−22 53.9	1.564	2.527	9.4	20.6
6 30	19 30.42	−23 46.4	1.526	2.529	4.9	20.3
7 10	19 20.19	−24 38.3	1.514	2.530	1.0	20.1
7 20	19 9.78	−25 25.0	1.529	2.532	4.8	20.4
7 30	19 0.48	−26 3.3	1.570	2.533	9.3	20.6
8 9	18 53.35	−26 32.0	1.635	2.534	13.2	20.9
8 19	18 49.03	−26 51.9	1.719	2.534	16.5	21.1

39467 1978 RA_{7} 7 10.5 11°.24 0°.6/10.6 18

6 10	19 40.28	−20 10.4	0.940	1.869	17.8	17.9
6 20	19 36.13	−20 21.3	0.896	1.872	12.6	17.6
6 30	19 28.98	−20 40.2	0.870	1.876	6.7	17.3
7 10	19 20.14	−21 3.4	0.865	1.882	0.7	16.9
7 20	19 11.27	−21 26.5	0.881	1.889	5.9	17.3
7 30	19 4.12	−21 46.3	0.918	1.897	11.7	17.6
8 9	18 59.95	−22 1.1	0.974	1.907	16.7	17.9
8 19	18 59.37	−22 10.3	1.047	1.919	20.9	18.2

475449 2006 RB_{56} 7 10.5 321°.61 0°.2/10.4 16

6 10	19 41.40	−21 28.5	1.740	2.642	12.5	21.9
6 20	19 36.09	−21 47.8	1.667	2.631	8.8	21.6
6 30	19 28.73	−22 11.3	1.617	2.620	4.7	21.3
7 10	19 20.13	−22 35.8	1.593	2.610	0.3	21.0
7 20	19 11.30	−22 58.6	1.595	2.599	4.3	21.3
7 30	19 3.37	−23 17.4	1.622	2.589	8.6	21.5
8 9	18 57.33	−23 31.3	1.673	2.580	12.5	21.7
8 19	18 53.79	−23 40.2	1.744	2.571	15.8	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
243719 2000 GU_{180}			7 10.5 308°.74	2°.8/ 9.5 18		
	h m	° ′			°	m
6 10	19 43.85	−28 31.6	1.907	2.805	11.7	20.8
6 20	19 37.69	−29 6.7	1.843	2.803	8.4	20.5
6 30	19 29.51	−29 39.5	1.803	2.802	4.9	20.3
7 10	19 20.17	−30 5.8	1.789	2.800	2.9	20.2
7 20	19 10.71	−30 22.5	1.803	2.798	5.2	20.3
7 30	19 2.24	−30 28.4	1.842	2.796	8.7	20.6
8 9	18 55.69	−30 24.2	1.905	2.795	12.1	20.8
8 19	18 51.65	−30 11.8	1.988	2.793	15.0	21.0
18603 1998 BM_{25}			7 10.5 138°.51	3°.2/ 9.7 18		
6 10	19 49.82	−29 16.7	1.638	2.534	13.4	18.7
6 20	19 41.98	−29 42.3	1.584	2.544	9.6	18.5
6 30	19 31.77	−30 3.3	1.555	2.553	5.6	18.2
7 10	19 20.28	−30 15.0	1.550	2.561	3.2	18.1
7 20	19 8.84	−30 14.8	1.573	2.569	5.7	18.3
7 30	18 58.81	−30 2.4	1.621	2.576	9.7	18.5
8 9	18 51.22	−29 40.3	1.693	2.583	13.3	18.8
8 19	18 46.62	−29 11.5	1.785	2.590	16.4	19.0
370641 2004 AO_{17}			7 10.5 291°.59	1°.4/11.0 17		
6 10	19 43.25	−16 15.0	1.423	2.324	14.8	21.0
6 20	19 37.82	−16 54.7	1.347	2.309	10.7	20.7
6 30	19 29.85	−17 47.4	1.293	2.293	6.0	20.4
7 10	19 20.20	−18 49.2	1.263	2.278	1.5	20.1
7 20	19 10.10	−19 55.0	1.258	2.263	5.0	20.3
7 30	19 0.95	−20 59.5	1.278	2.248	10.1	20.5
8 9	18 54.02	−21 58.6	1.320	2.233	14.7	20.8
8 19	18 50.13	−22 50.1	1.382	2.219	18.7	21.0
62494 2000 SP_{225}			7 10.5 185°.36	1°.6/11.2 18		
6 10	19 40.51	−15 33.9	2.296	3.178	10.7	19.1
6 20	19 34.99	−15 55.1	2.226	3.178	7.7	18.9
6 30	19 27.98	−16 23.3	2.182	3.178	4.4	18.7
7 10	19 20.11	−16 56.9	2.164	3.178	1.7	18.5
7 20	19 12.12	−17 33.4	2.175	3.178	3.6	18.6
7 30	19 4.83	−18 10.6	2.213	3.177	6.9	18.8
8 9	18 58.92	−18 46.5	2.277	3.177	10.0	19.0
8 19	18 54.89	−19 19.8	2.363	3.176	12.6	19.2
216890 2008 YL_{91}			7 10.5 53°.30	0°.2/10.5 18		
6 10	19 44.41	−22 18.2	1.748	2.646	12.6	19.9
6 20	19 37.96	−22 6.2	1.692	2.654	8.9	19.7
6 30	19 29.57	−21 55.5	1.660	2.662	4.7	19.4
7 10	19 20.18	−21 44.5	1.654	2.670	0.3	19.1
7 20	19 10.84	−21 32.1	1.674	2.679	4.2	19.4
7 30	19 2.64	−21 18.1	1.721	2.687	8.3	19.7
8 9	18 56.43	−21 2.8	1.792	2.696	12.0	19.9
8 19	18 52.72	−20 46.9	1.884	2.705	15.0	20.2
35912 1999 JY_{95}			7 10.5 346°.71	2°.9/11.8 18		
6 10	19 40.96	−12 21.4	1.430	2.325	15.1	18.3
6 20	19 36.02	−13 3.8	1.365	2.321	11.1	18.1
6 30	19 28.78	−14 2.7	1.321	2.317	6.7	17.8
7 10	19 20.15	−15 14.9	1.301	2.314	3.1	17.6
7 20	19 11.25	−16 35.0	1.307	2.311	5.2	17.7
7 30	19 3.37	−17 56.8	1.337	2.308	9.6	18.0
8 9	18 57.60	−19 15.1	1.390	2.307	13.9	18.2
8 19	18 54.63	−20 26.0	1.463	2.305	17.6	18.5
140659 2001 US_{39}			7 10.5 140°.34	0°.3/10.4 18		
6 10	19 42.40	−22 2.9	2.475	3.363	9.8	20.4
6 20	19 36.19	−22 23.1	2.414	3.372	6.8	20.3
6 30	19 28.55	−22 45.0	2.379	3.380	3.6	20.1
7 10	19 20.14	−23 6.4	2.372	3.389	0.3	19.8
7 20	19 11.70	−23 25.5	2.394	3.397	3.3	20.1
7 30	19 4.01	−23 40.9	2.443	3.404	6.5	20.3
8 9	18 57.73	−23 52.1	2.519	3.411	9.4	20.5
8 19	18 53.31	−23 59.3	2.617	3.418	11.9	20.7
472546 2015 DH_{32}			7 10.5 81°.45	4°.9/12.7 17		
6 10	19 42.57	− 7 26.7	1.655	2.526	14.7	20.9
6 20	19 36.74	− 7 50.8	1.599	2.536	11.2	20.7
6 30	19 28.99	− 8 32.4	1.565	2.547	7.6	20.5
7 10	19 20.17	− 9 29.5	1.556	2.557	5.0	20.4
7 20	19 11.29	−10 38.4	1.573	2.568	5.9	20.5
7 30	19 3.41	−11 54.1	1.616	2.579	9.1	20.7
8 9	18 57.42	−13 11.4	1.684	2.589	12.5	20.9
8 19	18 53.86	−14 26.1	1.772	2.600	15.6	21.2
267428 2002 CE_{65}			7 10.5 95°.26	0°.2/10.6 18		
6 10	19 44.02	−18 12.3	1.738	2.632	12.9	19.9
6 20	19 37.81	−19 14.0	1.682	2.642	9.1	19.6
6 30	19 29.58	−20 23.6	1.651	2.652	4.8	19.4
7 10	19 20.20	−21 36.3	1.645	2.662	0.3	19.1
7 20	19 10.71	−22 46.8	1.668	2.672	4.2	19.4
7 30	19 2.22	−23 51.0	1.717	2.681	8.5	19.7
8 9	18 55.67	−24 46.4	1.790	2.691	12.2	19.9
8 19	18 51.63	−25 32.0	1.885	2.700	15.3	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
250699 2005 QG_{172}			7 10.5 273°.28	1°.8/11.1 18		
	h m	° ′			°	m
6 10	19 41.01	−16 23.7	2.204	3.090	10.9	20.8
6 20	19 35.45	−16 23.3	2.125	3.078	7.9	20.6
6 30	19 28.27	−16 28.8	2.070	3.067	4.6	20.4
7 10	19 20.14	−16 39.2	2.042	3.055	1.9	20.2
7 20	19 11.84	−16 53.0	2.041	3.043	3.8	20.3
7 30	19 4.22	−17 8.8	2.068	3.032	7.3	20.5
8 9	18 58.04	−17 25.2	2.120	3.020	10.6	20.7
8 19	18 53.84	−17 41.2	2.193	3.008	13.4	20.9
476077 2007 TA_{29}			7 10.5 315°.74	2°.3/ 9.8 18		
6 10	19 43.33	−26 43.8	1.745	2.648	12.4	20.8
6 20	19 37.49	−27 14.9	1.677	2.641	8.8	20.5
6 30	19 29.49	−27 45.2	1.632	2.634	4.9	20.3
7 10	19 20.20	−28 10.8	1.613	2.627	2.3	20.1
7 20	19 10.72	−28 28.3	1.621	2.620	5.1	20.3
7 30	19 2.25	−28 36.0	1.653	2.614	9.1	20.5
8 9	18 55.81	−28 34.5	1.709	2.607	12.8	20.7
8 19	18 52.02	−28 25.2	1.786	2.602	16.0	20.9
215585 2003 GO_{39}			7 10.5 0°.11	3°.3/11.7 18		
6 10	19 39.40	−12 44.8	1.740	2.630	13.1	19.4
6 20	19 34.54	−12 49.6	1.676	2.628	9.7	19.2
6 30	19 27.85	−13 5.7	1.635	2.627	6.0	18.9
7 10	19 20.12	−13 31.9	1.618	2.627	3.4	18.8
7 20	19 12.26	−14 5.9	1.627	2.628	4.9	18.9
7 30	19 5.29	−14 44.8	1.661	2.628	8.5	19.1
8 9	19 0.05	−15 25.7	1.719	2.630	12.0	19.3
8 19	18 57.10	−16 5.7	1.798	2.632	15.2	19.5
476363 2008 BJ_{49}			7 10.5 155°.60	3°.7/12.3 16		
6 10	19 40.48	− 8 38.3	2.482	3.341	10.8	22.5
6 20	19 34.83	− 8 48.9	2.415	3.346	8.2	22.3
6 30	19 27.84	− 9 10.3	2.372	3.351	5.6	22.2
7 10	19 20.12	− 9 41.7	2.356	3.356	3.8	22.0
7 20	19 12.32	−10 21.2	2.368	3.360	4.5	22.1
7 30	19 5.17	−11 6.4	2.408	3.364	6.9	22.3
8 9	18 59.27	−11 54.8	2.474	3.367	9.5	22.4
8 19	18 55.07	−12 43.7	2.564	3.370	11.9	22.6
335023 2004 PM_{1}			7 10.5 108°.09	10°.6/10.9 18		
6 10	20 5.53	−44 47.4	1.077	1.959	19.9	19.4
6 20	19 54.12	−44 51.1	1.031	1.966	16.0	19.2
6 30	19 38.35	−44 24.9	1.004	1.974	12.4	19.0
7 10	19 20.61	−43 19.8	0.999	1.981	10.6	19.0
7 20	19 3.75	−41 35.6	1.016	1.988	11.9	19.0
7 30	18 50.29	−39 22.3	1.056	1.995	15.3	19.3
8 9	18 41.60	−36 55.0	1.117	2.002	19.0	19.5
8 19	18 37.86	−34 26.9	1.195	2.008	22.4	19.8
10137 Thucydides			7 10.5 301°.82	1°.5/10.2 18		
6 10	19 44.91	−25 1.8	1.458	2.365	14.1	17.9
6 20	19 39.06	−25 11.6	1.377	2.343	10.1	17.6
6 30	19 30.53	−25 21.7	1.318	2.321	5.4	17.3
7 10	19 20.26	−25 28.3	1.283	2.299	1.5	16.9
7 20	19 9.56	−25 28.2	1.274	2.277	5.4	17.2
7 30	18 59.93	−25 20.4	1.289	2.256	10.4	17.4
8 9	18 52.66	−25 5.5	1.326	2.235	15.0	17.6
8 19	18 48.58	−24 45.4	1.381	2.214	18.9	17.8
319168 2005 YY_{99}			7 10.5 215°.34	1°.2/10.0 18		
6 10	19 41.54	−25 23.4	2.672	3.562	9.1	22.0
6 20	19 35.62	−25 43.3	2.599	3.557	6.4	21.8
6 30	19 28.29	−26 2.9	2.551	3.551	3.4	21.6
7 10	19 20.15	−26 20.0	2.531	3.546	1.2	21.4
7 20	19 11.91	−26 32.7	2.540	3.540	3.5	21.6
7 30	19 4.31	−26 40.0	2.577	3.534	6.4	21.8
8 9	18 58.02	−26 41.9	2.640	3.527	9.2	22.0
8 19	18 53.50	−26 39.0	2.725	3.521	11.6	22.1
59084 1998 VD_{26}			7 10.5 309°.26	7°.0/12.0 18		
6 10	19 39.75	− 3 36.8	2.116	2.964	12.8	18.5
6 20	19 34.61	− 2 44.1	2.032	2.945	10.5	18.4
6 30	19 27.86	− 2 4.5	1.972	2.927	8.3	18.2
7 10	19 20.14	− 1 40.4	1.936	2.909	7.1	18.1
7 20	19 12.18	− 1 32.6	1.925	2.892	7.6	18.1
7 30	19 4.85	− 1 40.8	1.940	2.874	9.6	18.2
8 9	18 58.91	− 2 2.5	1.978	2.857	12.2	18.3
8 19	18 54.91	− 2 34.4	2.037	2.840	14.7	18.4
69672 1998 GX_{7}			7 10.5 147°.02	11°.0/16.7 17		
6 10	19 44.48	+10 30.8	1.961	2.728	16.5	19.5
6 20	19 37.85	+10 45.9	1.902	2.739	14.5	19.4
6 30	19 29.50	+10 33.7	1.862	2.750	12.6	19.3
7 10	19 20.21	+ 9 52.5	1.845	2.759	11.3	19.2
7 20	19 10.87	+ 8 43.2	1.851	2.768	11.1	19.2
7 30	19 2.42	+ 7 10.3	1.881	2.776	12.0	19.3
8 9	18 55.65	+ 5 20.5	1.935	2.783	13.7	19.4
8 19	18 51.06	+ 3 21.4	2.011	2.790	15.7	19.6

354318 2002 VX_{69} 7 10.5 281.°96 3.°4/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 44.36	−29 3.7	1.989	2.885	11.4	20.7
6 20	19 38.26	−29 57.7	1.903	2.862	8.3	20.5
6 30	19 29.98	−30 51.0	1.841	2.838	5.0	20.2
7 10	19 20.24	−31 38.4	1.807	2.814	3.4	20.1
7 20	19 10.08	−32 15.6	1.799	2.791	5.7	20.2
7 30	19 0.66	−32 39.9	1.818	2.767	9.2	20.3
8 9	18 53.05	−32 51.2	1.860	2.742	12.7	20.5
8 19	18 48.01	−32 51.3	1.923	2.718	15.7	20.7

341265 2007 RJ_{251} 7 10.5 192.°17 1.°8/11.0 18

6 10	19 42.92	−17 10.5	1.983	2.871	11.8	21.3
6 20	19 36.83	−17 5.1	1.915	2.870	8.5	21.1
6 30	19 29.00	−17 5.4	1.872	2.870	4.8	20.9
7 10	19 20.19	−17 10.2	1.855	2.869	1.8	20.7
7 20	19 11.30	−17 17.9	1.866	2.868	4.1	20.8
7 30	19 3.26	−17 27.3	1.903	2.867	7.8	21.0
8 9	18 56.91	−17 37.3	1.965	2.866	11.2	21.2
8 19	18 52.75	−17 47.1	2.048	2.865	14.2	21.4

205767 2002 CO_{43} 7 10.5 12.°36 0.°6/10.3 17

6 10	19 42.47	−19 54.0	1.077	1.997	16.8	19.2
6 20	19 37.60	−20 54.0	1.027	1.999	11.9	18.9
6 30	19 29.79	−22 4.5	0.996	2.001	6.2	18.6
7 10	19 20.24	−23 18.4	0.988	2.005	0.6	18.2
7 20	19 10.49	−24 28.0	1.003	2.009	5.9	18.6
7 30	19 2.25	−25 27.4	1.040	2.014	11.4	18.9
8 9	18 56.86	−26 13.8	1.098	2.020	16.3	19.2
8 19	18 55.01	−26 46.9	1.173	2.026	20.3	19.5

80467 2000 AT_{23} 7 10.5 182.°33 1.°4/10.0 18

6 10	19 46.83	−24 26.1	1.885	2.778	12.1	20.6
6 20	19 39.76	−24 57.1	1.819	2.779	8.5	20.4
6 30	19 30.62	−25 28.8	1.778	2.779	4.5	20.2
7 10	19 20.28	−25 57.6	1.764	2.779	1.4	19.9
7 20	19 9.81	−26 20.2	1.777	2.778	4.5	20.2
7 30	19 0.35	−26 34.9	1.818	2.777	8.5	20.4
8 9	18 52.85	−26 41.9	1.882	2.775	12.1	20.6
8 19	18 47.91	−26 42.3	1.968	2.772	15.1	20.8

513117 2017 WF_{27} 7 10.5 243.°14 1.°1/10.2 17

6 10	19 46.11	−24 9.2	1.863	2.758	12.2	22.3
6 20	19 39.39	−24 29.7	1.784	2.744	8.6	22.0
6 30	19 30.51	−24 51.3	1.729	2.730	4.6	21.8
7 10	19 20.29	−25 10.5	1.700	2.716	1.1	21.5
7 20	19 9.78	−25 24.6	1.699	2.701	4.5	21.7
7 30	19 0.19	−25 31.9	1.725	2.686	8.7	21.9
8 9	18 52.51	−25 32.6	1.775	2.671	12.5	22.1
8 19	18 47.44	−25 27.6	1.845	2.654	15.8	22.3

155536 1999 TO_{196} 7 10.5 256.°03 4.°3/ 8.5 18

6 10	19 44.15	−35 21.4	2.605	3.486	9.6	20.9
6 20	19 37.70	−36 4.7	2.525	3.470	7.2	20.7
6 30	19 29.50	−36 42.1	2.471	3.454	5.1	20.6
7 10	19 20.23	−37 9.7	2.444	3.437	4.4	20.5
7 20	19 10.74	−37 24.8	2.445	3.419	5.7	20.6
7 30	19 1.94	−37 26.3	2.473	3.402	8.1	20.7
8 9	18 54.67	−37 15.4	2.526	3.384	10.6	20.8
8 19	18 49.52	−36 54.3	2.600	3.366	12.8	21.0

148124 1999 TK_{165} 7 10.5 330.°93 4.°2/ 9.4 18

6 10	19 44.28	−33 21.0	1.969	2.864	11.6	19.4
6 20	19 38.01	−33 41.5	1.903	2.857	8.6	19.2
6 30	19 29.70	−33 55.2	1.860	2.851	5.6	19.0
7 10	19 20.24	−33 58.0	1.843	2.846	4.2	18.9
7 20	19 10.71	−33 47.9	1.852	2.840	5.9	19.0
7 30	19 2.22	−33 24.8	1.888	2.835	9.0	19.1
8 9	18 55.72	−32 50.9	1.947	2.830	12.1	19.3
8 19	18 51.76	−32 9.3	2.026	2.826	14.9	19.5

219969 2002 JB_{108} 7 10.5 101.°56 2.°9/12.1 18

6 10	19 40.38	−10 29.2	2.424	3.290	10.8	19.9
6 20	19 34.77	−11 0.3	2.364	3.303	8.0	19.7
6 30	19 27.83	−11 41.6	2.329	3.316	5.1	19.6
7 10	19 20.16	−12 31.3	2.322	3.328	3.0	19.4
7 20	19 12.44	−13 26.8	2.343	3.340	3.9	19.5
7 30	19 5.40	−14 25.1	2.392	3.353	6.6	19.7
8 9	18 59.67	−15 23.3	2.467	3.364	9.4	19.9
8 19	18 55.66	−16 19.1	2.566	3.376	11.8	20.1

68825 2002 GH_{81} 7 10.5 314.°42 2.°4/11.2 18 R

6 10	19 41.65	−15 33.8	1.195	2.105	16.3	18.6
6 20	19 37.06	−15 52.7	1.119	2.084	12.0	18.3
6 30	19 29.62	−16 26.1	1.064	2.065	6.9	17.9
7 10	19 20.26	−17 11.4	1.031	2.045	2.5	17.6
7 20	19 10.35	−18 4.3	1.021	2.026	5.8	17.7
7 30	19 1.50	−18 59.7	1.033	2.008	11.3	18.0
8 9	18 55.16	−19 53.0	1.067	1.991	16.4	18.2
8 19	18 52.24	−20 41.0	1.117	1.975	20.9	18.4

316111 2009 PY_{10} 7 10.5 310.°29 5.°7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 39.17	− 2 36.9	2.155	2.998	12.8	19.7
6 20	19 34.21	− 3 3.7	2.072	2.986	10.2	19.5
6 30	19 27.67	− 3 48.8	2.012	2.974	7.7	19.3
7 10	19 20.16	− 4 51.8	1.977	2.963	5.9	19.2
7 20	19 12.43	− 6 10.1	1.969	2.951	6.2	19.2
7 30	19 5.28	− 7 39.5	1.988	2.940	8.4	19.3
8 9	18 59.49	− 9 15.0	2.033	2.929	11.1	19.5
8 19	18 55.60	−10 51.6	2.100	2.918	13.8	19.6

211931 2004 VP_{25} 7 10.5 176.°93 3.°8/ 9.3 17

6 10	19 49.75	−30 10.1	1.725	2.619	13.0	20.9
6 20	19 42.06	−30 57.3	1.664	2.621	9.4	20.7
6 30	19 31.92	−31 40.4	1.628	2.623	5.7	20.5
7 10	19 20.38	−32 13.6	1.617	2.624	3.9	20.4
7 20	19 8.69	−32 33.0	1.633	2.625	6.2	20.5
7 30	18 58.25	−32 37.2	1.676	2.624	9.9	20.8
8 9	18 50.15	−32 28.3	1.741	2.623	13.4	21.0
8 19	18 45.05	−32 9.5	1.827	2.622	16.5	21.2

421315 2013 TY_{51} 7 10.5 335.°08 0.°8/10.8 18

6 10	19 37.90	−19 20.9	2.309	3.203	10.2	20.4
6 20	19 33.27	−19 24.0	2.228	3.188	7.2	20.2
6 30	19 27.14	−19 31.0	2.172	3.173	3.9	20.0
7 10	19 20.14	−19 40.5	2.142	3.158	0.8	19.7
7 20	19 12.98	−19 51.1	2.140	3.144	3.4	19.9
7 30	19 6.45	−20 1.5	2.164	3.131	6.8	20.1
8 9	19 1.25	−20 10.8	2.214	3.118	10.0	20.2
8 19	18 57.90	−20 18.4	2.285	3.106	12.8	20.4

43009 1999 UB_{39} 7 10.5 199.°34 2.°1/ 9.9 18

6 10	19 45.38	−27 17.0	1.972	2.867	11.6	18.7
6 20	19 38.70	−27 37.5	1.906	2.866	8.2	18.5
6 30	19 30.05	−27 55.9	1.864	2.864	4.6	18.2
7 10	19 20.29	−28 9.0	1.849	2.862	2.1	18.1
7 20	19 10.44	−28 14.3	1.861	2.860	4.7	18.2
7 30	19 1.57	−28 11.0	1.900	2.857	8.3	18.5
8 9	18 54.59	−28 0.0	1.963	2.854	11.7	18.7
8 19	18 50.06	−27 43.1	2.047	2.851	14.6	18.9

385811 2006 DL_{121} 7 10.5 85.°57 9.°8/17.3 18

6 10	19 43.24	+ 8 44.9	1.844	2.630	16.8	20.1
6 20	19 37.11	+ 8 9.2	1.779	2.637	14.4	20.0
6 30	19 29.19	+ 7 3.3	1.733	2.645	12.0	19.8
7 10	19 20.25	+ 5 27.2	1.710	2.653	10.3	19.7
7 20	19 11.22	+ 3 24.3	1.713	2.661	9.9	19.7
7 30	19 3.06	+ 1 1.7	1.743	2.669	11.1	19.8
8 9	18 56.63	− 1 31.5	1.798	2.676	13.3	20.0
8 19	18 52.45	− 4 6.3	1.876	2.684	15.6	20.2

169806 2002 QQ_{18} 7 10.5 242.°12 0.°2/10.4 18

6 10	19 42.82	−21 7.5	2.032	2.925	11.4	20.5
6 20	19 36.88	−21 35.3	1.959	2.919	8.0	20.2
6 30	19 29.11	−22 7.0	1.910	2.912	4.2	20.0
7 10	19 20.25	−22 39.7	1.888	2.905	0.3	19.7
7 20	19 11.20	−23 10.4	1.894	2.898	3.9	20.0
7 30	19 2.94	−23 37.0	1.927	2.890	7.8	20.2
8 9	18 56.34	−23 58.4	1.984	2.883	11.3	20.4
8 19	18 51.98	−24 14.4	2.063	2.875	14.3	20.6

100870 1998 HM_{78} 7 10.5 90.°06 1.°4/10.2 17

6 10	19 48.22	−24 23.9	1.445	2.348	14.5	19.6
6 20	19 40.93	−24 46.2	1.401	2.365	10.1	19.4
6 30	19 31.25	−25 8.9	1.379	2.381	5.4	19.1
7 10	19 20.36	−25 27.7	1.382	2.398	1.4	18.9
7 20	19 9.60	−25 39.5	1.411	2.414	5.1	19.2
7 30	19 0.33	−25 43.3	1.465	2.430	9.6	19.5
8 9	18 53.58	−25 39.9	1.542	2.445	13.6	19.8
8 19	18 49.85	−25 31.0	1.639	2.461	16.9	20.0

512167 2015 RN_{85} 7 10.5 320.°53 3.°2/11.4 18

6 10	19 40.39	−13 16.0	2.116	2.996	11.5	20.3
6 20	19 35.02	−12 55.7	2.043	2.990	8.5	20.1
6 30	19 28.06	−12 43.2	1.994	2.984	5.4	19.9
7 10	19 20.21	−12 38.4	1.971	2.978	3.3	19.8
7 20	19 12.23	−12 40.6	1.975	2.972	4.6	19.8
7 30	19 4.99	−12 48.8	2.006	2.967	7.7	20.0
8 9	18 59.22	−13 1.3	2.061	2.961	10.8	20.2
8 19	18 55.43	−13 16.5	2.138	2.956	13.6	20.4

436592 2011 JL_{27} 7 10.5 11.°73 6.°9/ 7.5 17

6 10	19 44.24	−33 20.1	1.374	2.283	14.6	19.8
6 20	19 38.77	−35 4.9	1.325	2.286	11.0	19.6
6 30	19 30.43	−36 43.8	1.299	2.288	7.8	19.4
7 10	19 20.33	−38 7.0	1.297	2.292	7.0	19.4
7 20	19 9.98	−39 7.1	1.319	2.296	9.2	19.5
7 30	19 1.02	−39 41.3	1.364	2.301	12.6	19.7
8 9	18 54.81	−39 51.7	1.429	2.307	16.0	20.0
8 19	18 52.07	−39 42.9	1.512	2.314	19.0	20.2

505445 2013 SC_{84} 7 10.5 284°.58 4°.0/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 46.76	−30 3.2	1.505	2.409	13.9	21.6
6 20	19 40.37	−30 41.7	1.433	2.395	10.1	21.3
6 30	19 31.24	−31 16.7	1.384	2.381	6.2	21.1
7 10	19 20.38	−31 42.0	1.359	2.367	4.1	20.9
7 20	19 9.18	−31 53.4	1.359	2.353	6.7	21.0
7 30	18 59.19	−31 49.2	1.383	2.339	10.9	21.2
8 9	18 51.69	−31 31.4	1.430	2.325	15.0	21.4
8 19	18 47.47	−31 3.4	1.495	2.311	18.5	21.6

231301 2006 BU_{161} 7 10.5 127°.94 3°.5/11.4 17

6 10	19 44.55	−13 0.8	1.976	2.852	12.4	20.3
6 20	19 37.87	−12 34.6	1.918	2.862	9.2	20.1
6 30	19 29.52	−12 16.7	1.883	2.872	5.8	19.9
7 10	19 20.29	−12 7.0	1.875	2.881	3.6	19.8
7 20	19 11.08	−12 5.0	1.894	2.890	4.9	19.9
7 30	19 2.81	−12 9.5	1.941	2.899	8.1	20.1
8 9	18 56.24	−12 18.9	2.012	2.908	11.3	20.3
8 19	18 51.86	−12 31.7	2.104	2.916	14.0	20.5

57327 2001 QY_{242} 7 10.5 20°.20 4°.6/ 9.6 17

6 10	19 47.29	−29 50.1	1.105	2.023	16.7	19.2
6 20	19 41.09	−30 28.3	1.056	2.025	12.1	19.0
6 30	19 31.66	−31 1.2	1.027	2.028	7.2	18.7
7 10	19 20.40	−31 21.8	1.021	2.031	4.6	18.6
7 20	19 9.11	−31 25.4	1.037	2.035	7.6	18.8
7 30	18 59.66	−31 11.7	1.076	2.039	12.4	19.0
8 9	18 53.41	−30 44.1	1.134	2.044	16.9	19.3
8 19	18 50.99	−30 7.1	1.209	2.049	20.6	19.6

79106 1981 EW_{34} 7 10.5 156°.97 4°.0/ 9.4 18

6 10	19 49.00	−31 41.5	1.790	2.683	12.7	20.1
6 20	19 41.41	−32 13.2	1.732	2.688	9.2	19.9
6 30	19 31.53	−32 38.7	1.699	2.693	5.7	19.7
7 10	19 20.40	−32 53.2	1.691	2.697	4.0	19.6
7 20	19 9.25	−32 53.9	1.710	2.700	6.1	19.7
7 30	18 59.37	−32 40.6	1.755	2.704	9.5	19.9
8 9	18 51.77	−32 15.9	1.824	2.707	12.9	20.1
8 19	18 47.03	−31 43.1	1.913	2.709	15.8	20.3

280974 2006 DE_{31} 7 10.5 161°.00 7°.0/13.7 18

6 10	19 41.95	− 0 33.5	2.135	2.964	13.4	21.0
6 20	19 36.04	− 0 23.4	2.069	2.969	10.9	20.8
6 30	19 28.58	− 0 31.0	2.025	2.973	8.6	20.7
7 10	19 20.25	− 0 56.9	2.006	2.977	7.1	20.6
7 20	19 11.84	− 1 39.9	2.014	2.980	7.4	20.6
7 30	19 4.16	− 2 36.9	2.048	2.983	9.2	20.7
8 9	18 57.94	− 3 43.8	2.106	2.986	11.5	20.9
8 19	18 53.68	− 4 55.9	2.186	2.988	13.9	21.1

470848 2008 YH_{12} 7 10.5 81°.04 3°.5/11.3 17

6 10	19 44.55	−13 58.9	1.839	2.721	12.9	20.9
6 20	19 37.92	−13 21.1	1.786	2.734	9.5	20.7
6 30	19 29.55	−12 51.1	1.757	2.747	5.9	20.5
7 10	19 20.30	−12 29.2	1.753	2.761	3.6	20.4
7 20	19 11.14	−12 15.3	1.777	2.774	5.1	20.5
7 30	19 3.02	−12 8.7	1.827	2.787	8.4	20.7
8 9	18 56.72	−12 8.2	1.902	2.800	11.7	20.9
8 19	18 52.72	−12 12.1	1.997	2.813	14.5	21.2

189240 2004 QL_{25} 7 10.5 1°.16 5°.3/11.1 18

6 10	19 43.30	−10 16.7	1.985	2.855	12.6	19.3
6 20	19 37.04	− 9 4.0	1.918	2.854	9.7	19.1
6 30	19 29.11	− 7 59.6	1.876	2.854	6.9	19.0
7 10	19 20.29	− 7 6.0	1.860	2.854	5.3	18.9
7 20	19 11.42	− 6 24.7	1.871	2.854	6.4	18.9
7 30	19 3.43	− 5 56.1	1.909	2.855	9.0	19.1
8 9	18 57.07	− 5 39.4	1.970	2.856	11.9	19.3
8 19	18 52.83	− 5 32.6	2.052	2.858	14.5	19.5

509041 2005 SO_{127} 7 10.5 212°.44 5°.2/ 8.5 18

6 10	19 45.26	−37 5.9	2.328	3.210	10.6	21.7
6 20	19 38.57	−37 48.8	2.265	3.208	8.1	21.6
6 30	19 29.99	−38 23.5	2.227	3.206	5.9	21.4
7 10	19 20.33	−38 45.7	2.216	3.203	5.2	21.4
7 20	19 10.58	−38 52.8	2.231	3.201	6.5	21.5
7 30	19 1.76	−38 44.3	2.272	3.198	8.9	21.6
8 9	18 54.75	−38 22.3	2.338	3.196	11.3	21.8
8 19	18 50.10	−37 49.8	2.424	3.193	13.6	21.9

91744 1999 TD_{183} 7 10.5 339°.03 5°.6/ 8.2 18

6 10	19 43.67	−35 38.8	1.941	2.834	11.8	18.9
6 20	19 37.77	−36 37.0	1.879	2.829	9.0	18.7
6 30	19 29.69	−37 27.9	1.840	2.824	6.5	18.6
7 10	19 20.32	−38 5.9	1.828	2.819	5.7	18.5
7 20	19 10.77	−38 27.1	1.841	2.815	7.3	18.6
7 30	19 2.24	−38 30.5	1.879	2.811	10.0	18.8
8 9	18 55.74	−38 17.9	1.939	2.808	12.9	18.9
8 19	18 51.92	−37 52.6	2.019	2.804	15.4	19.1

153048 2000 QN_{75} 7 10.5 343°.22 1°.0/10.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 39.97	−23 24.8	1.133	2.057	15.8	19.6
6 20	19 35.91	−23 39.3	1.069	2.043	11.3	19.3
6 30	19 28.99	−23 57.1	1.025	2.030	6.0	19.0
7 10	19 20.30	−24 14.3	1.002	2.018	1.1	18.6
7 20	19 11.28	−24 26.9	1.002	2.008	5.8	18.9
7 30	19 3.61	−24 32.7	1.024	2.000	11.3	19.2
8 9	18 58.63	−24 31.3	1.066	1.992	16.2	19.4
8 19	18 57.12	−24 23.6	1.125	1.987	20.4	19.7

24927 Brianpalmer 7 10.5 303°.08 2°.3/ 9.9 18

6 10	19 44.57	−25 22.0	1.359	2.270	14.6	17.9
6 20	19 39.10	−25 58.5	1.278	2.245	10.5	17.6
6 30	19 30.73	−26 37.8	1.218	2.221	5.8	17.2
7 10	19 20.39	−27 14.1	1.182	2.197	2.3	16.9
7 20	19 9.45	−27 42.2	1.171	2.173	6.1	17.1
7 30	18 59.55	−27 59.0	1.183	2.149	11.2	17.3
8 9	18 52.17	−28 4.1	1.216	2.125	16.0	17.5
8 19	18 48.21	−27 59.3	1.267	2.103	20.2	17.7

79424 1997 NZ_3 7 10.5 263°.32 2°.3/ 9.9 18

6 10	19 47.01	−29 15.5	2.209	3.097	10.8	19.7
6 20	19 39.84	−29 15.8	2.120	3.076	7.8	19.4
6 30	19 30.70	−29 11.7	2.057	3.054	4.5	19.2
7 10	19 20.38	−29 0.3	2.021	3.033	2.3	19.0
7 20	19 9.85	−28 40.2	2.013	3.010	4.5	19.1
7 30	19 0.15	−28 11.3	2.033	2.988	8.0	19.3
8 9	18 52.20	−27 35.4	2.079	2.965	11.4	19.5
8 19	18 46.61	−26 54.9	2.146	2.941	14.3	19.6

389255 2009 FK_{48} 7 10.5 46°.32 3°.6/ 9.3 16

6 10	19 44.11	−30 0.0	1.747	2.649	12.5	20.6
6 20	19 37.92	−30 41.5	1.701	2.662	8.9	20.4
6 30	19 29.67	−31 18.8	1.679	2.675	5.4	20.2
7 10	19 20.33	−31 47.1	1.682	2.689	3.6	20.1
7 20	19 11.03	−32 3.3	1.711	2.704	5.8	20.3
7 30	19 2.93	−32 6.8	1.765	2.718	9.2	20.5
8 9	18 56.95	−31 58.8	1.843	2.733	12.4	20.8
8 19	18 53.60	−31 41.9	1.941	2.748	15.2	21.0

441945 2010 KZ_{79} 7 10.5 235°.23 5°.3/ 9.3 18

6 10	19 48.28	−38 52.3	2.282	3.157	11.0	20.9
6 20	19 40.63	−39 6.2	2.215	3.153	8.5	20.7
6 30	19 31.04	−39 9.1	2.173	3.149	6.3	20.6
7 10	19 20.40	−38 57.4	2.158	3.145	5.3	20.5
7 20	19 9.79	−38 29.5	2.169	3.141	6.6	20.6
7 30	19 0.30	−37 46.3	2.208	3.136	8.9	20.7
8 9	18 52.81	−36 51.2	2.270	3.132	11.5	20.9
8 19	18 47.83	−35 48.3	2.355	3.127	13.8	21.0

495619 2015 TB_8 7 10.5 303°.73 23°.4/15.8 17

6 10	19 42.44	+18 18.3	1.055	1.836	27.0	21.2
6 20	19 37.72	+20 39.5	1.005	1.827	25.5	21.1
6 30	19 30.01	+22 16.4	0.967	1.818	24.3	21.0
7 10	19 20.37	+22 57.6	0.942	1.809	23.5	20.9
7 20	19 10.23	+22 36.7	0.931	1.800	23.4	20.8
7 30	19 1.31	+21 14.7	0.933	1.792	24.1	20.8
8 9	18 55.11	+19 1.3	0.949	1.785	25.5	20.9
8 19	18 52.51	+16 10.9	0.977	1.777	27.2	21.0

387543 2000 WL_{32} 7 10.5 254°.05 0°.9/10.2 18

6 10	19 45.02	−22 39.2	2.160	3.049	11.0	21.7
6 20	19 38.54	−23 17.3	2.069	3.027	7.8	21.4
6 30	19 30.10	−23 58.9	2.004	3.005	4.1	21.2
7 10	19 20.37	−24 40.5	1.966	2.982	0.9	20.9
7 20	19 10.26	−25 18.5	1.956	2.958	4.1	21.1
7 30	19 0.78	−25 50.4	1.975	2.934	7.9	21.3
8 9	18 52.88	−26 15.2	2.018	2.908	11.5	21.4
8 19	18 47.24	−26 33.0	2.084	2.883	14.6	21.6

328952 2010 VF_{105} 7 10.5 122°.51 0°.2/10.6 17

6 10	19 46.08	−20 7.9	1.636	2.532	13.5	21.8
6 20	19 39.34	−20 32.8	1.581	2.542	9.5	21.5
6 30	19 30.45	−21 2.6	1.549	2.551	5.0	21.3
7 10	19 20.38	−21 33.9	1.543	2.560	0.4	21.0
7 20	19 10.28	−22 3.3	1.564	2.568	4.4	21.3
7 30	19 1.35	−22 28.5	1.611	2.577	8.8	21.6
8 9	18 54.55	−22 48.5	1.682	2.585	12.7	21.8
8 19	18 50.44	−23 3.2	1.773	2.592	15.9	22.1

291915 2006 QQ_{17} 7 10.5 300°.28 2°.1/ 9.9 18

6 10	19 44.71	−24 39.1	1.329	2.240	14.9	20.2
6 20	19 39.22	−25 19.8	1.250	2.219	10.6	19.9
6 30	19 30.81	−26 4.4	1.194	2.197	5.8	19.6
7 10	19 20.42	−26 47.0	1.161	2.176	2.1	19.3
7 20	19 9.45	−27 22.0	1.152	2.155	6.1	19.4
7 30	18 59.57	−27 45.9	1.167	2.134	11.3	19.7
8 9	18 52.24	−27 57.9	1.203	2.113	16.1	19.9
8 19	18 48.38	−27 59.6	1.257	2.093	20.3	20.1

188156 2002 GU_{88} 7 10.5 70°.33 4°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 39.97	− 6 31.3	2.212	3.069	12.0	19.8
6 20	19 34.57	− 6 43.8	2.158	3.086	9.2	19.6
6 30	19 27.78	− 7 9.8	2.128	3.102	6.5	19.5
7 10	19 20.26	− 7 48.2	2.123	3.118	4.7	19.4
7 20	19 12.74	− 8 36.8	2.146	3.135	5.2	19.5
7 30	19 5.97	− 9 32.5	2.196	3.151	7.5	19.6
8 9	19 0.60	−10 31.7	2.271	3.167	10.1	19.8
8 19	18 57.05	−11 31.4	2.369	3.183	12.6	20.0

282283 2002 PJ_{41} 7 10.5 308°.50 0°.8/10.4 17

6 10	19 44.94	−24 23.9	1.649	2.551	13.1	20.6
6 20	19 39.02	−24 18.1	1.551	2.515	9.4	20.3
6 30	19 30.57	−24 11.6	1.476	2.479	5.1	19.9
7 10	19 20.42	−24 1.9	1.427	2.443	0.8	19.5
7 20	19 9.70	−23 47.0	1.403	2.407	4.9	19.8
7 30	18 59.79	−23 26.2	1.405	2.371	9.8	19.9
8 9	18 51.93	−23 0.6	1.429	2.335	14.3	20.1
8 19	18 46.99	−22 32.0	1.473	2.300	18.2	20.3

96734 1999 NR_{42} 7 10.5 8°.85 4°.5/ 9.9 17 R

6 10	19 42.61	−30 22.0	0.902	1.834	18.0	17.7
6 20	19 38.09	−30 31.8	0.860	1.836	13.0	17.5
6 30	19 30.16	−30 33.6	0.836	1.839	7.7	17.2
7 10	19 20.38	−30 21.7	0.831	1.843	4.5	17.0
7 20	19 10.71	−29 53.8	0.848	1.850	7.7	17.2
7 30	19 3.09	−29 11.5	0.884	1.858	12.9	17.5
8 9	18 58.86	−28 19.5	0.939	1.868	17.7	17.8
8 19	18 58.54	−27 22.6	1.011	1.879	21.7	18.1

9253 Oberth 7 10.5 325°.50 7°.0/11.9 18

6 10	19 40.44	− 8 47.0	1.221	2.116	17.2	17.5
6 20	19 36.03	− 8 9.0	1.149	2.099	13.4	17.2
6 30	19 29.02	− 7 48.4	1.097	2.082	9.6	16.9
7 10	19 20.34	− 7 47.3	1.066	2.066	7.1	16.7
7 20	19 11.25	− 8 5.9	1.057	2.050	8.3	16.8
7 30	19 3.22	− 8 41.6	1.070	2.036	12.1	16.9
8 9	18 57.52	− 9 29.6	1.103	2.023	16.4	17.1
8 19	18 54.96	−10 24.2	1.154	2.010	20.4	17.3

396557 1999 TE_{79} 7 10.5 346°.88 5°.6/ 8.5 18

6 10	19 44.44	−36 22.3	1.995	2.885	11.7	20.8
6 20	19 38.24	−37 9.2	1.935	2.882	8.9	20.6
6 30	19 29.92	−37 47.7	1.898	2.880	6.5	20.5
7 10	19 20.38	−38 12.9	1.887	2.878	5.6	20.4
7 20	19 10.74	−38 21.5	1.902	2.876	7.1	20.5
7 30	19 2.15	−38 13.0	1.942	2.874	9.7	20.7
8 9	18 55.60	−37 49.8	2.005	2.873	12.5	20.8
8 19	18 51.67	−37 15.3	2.088	2.872	15.0	21.0

16235 2000 FF_{46} 7 10.5 273°.60 2°.7/ 9.3 18

6 10	19 44.29	−27 27.7	2.053	2.948	11.2	18.0
6 20	19 38.18	−28 19.0	1.967	2.926	8.0	17.8
6 30	19 29.97	−29 10.7	1.906	2.905	4.6	17.5
7 10	19 20.40	−29 58.1	1.872	2.883	2.7	17.3
7 20	19 10.43	−30 37.0	1.866	2.861	5.1	17.5
7 30	19 1.17	−31 4.9	1.887	2.839	8.7	17.6
8 9	18 53.63	−31 21.3	1.931	2.816	12.2	17.8
8 19	18 48.54	−31 27.5	1.997	2.793	15.2	18.0

417933 2007 RY_{308} 7 10.5 258°.07 1°.8/10.2 17

6 10	19 48.21	−25 41.0	1.480	2.382	14.2	21.8
6 20	19 41.34	−25 54.1	1.406	2.369	10.1	21.6
6 30	19 31.76	−26 6.6	1.354	2.356	5.5	21.3
7 10	19 20.49	−26 14.2	1.327	2.343	1.8	21.0
7 20	19 8.90	−26 13.8	1.326	2.329	5.5	21.2
7 30	18 58.52	−26 4.5	1.350	2.314	10.3	21.4
8 9	18 50.61	−25 47.5	1.397	2.300	14.8	21.7
8 19	18 45.93	−25 25.1	1.462	2.285	18.5	21.9

304545 2006 UR_{287} 7 10.5 129°.23 0°.4/10.7 18

6 10	19 42.14	−20 10.8	2.209	3.099	10.7	21.3
6 20	19 36.20	−20 23.3	2.146	3.103	7.5	21.1
6 30	19 28.70	−20 39.2	2.107	3.108	4.0	20.8
7 10	19 20.33	−20 56.5	2.096	3.112	0.5	20.6
7 20	19 11.91	−21 13.2	2.112	3.116	3.5	20.8
7 30	19 4.28	−21 27.9	2.156	3.120	7.0	21.1
8 9	18 58.18	−21 39.9	2.226	3.124	10.2	21.3
8 19	18 54.10	−21 48.8	2.317	3.128	12.9	21.5

190362 1999 JX_{99} 7 10.5 32°.57 1°.5/11.2 17

6 10	19 41.94	−15 14.8	1.316	2.220	15.5	18.6
6 20	19 36.75	−16 10.0	1.268	2.231	11.1	18.3
6 30	19 29.21	−17 18.6	1.241	2.242	6.1	18.1
7 10	19 20.36	−18 35.3	1.239	2.254	1.7	17.8
7 20	19 11.44	−19 53.8	1.261	2.267	4.9	18.1
7 30	19 3.78	−21 8.2	1.308	2.280	9.7	18.4
8 9	18 58.44	−22 14.2	1.377	2.294	14.0	18.7
8 19	18 56.02	−23 9.8	1.466	2.309	17.5	19.0

158292 2001 UA_{100} 7 10.5 162°.00 5°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 43.79	− 6 13.8	2.169	3.019	12.4	20.9
6 20	19 37.30	− 5 48.8	2.104	3.025	9.7	20.8
6 30	19 29.26	− 5 36.5	2.062	3.031	7.1	20.6
7 10	19 20.37	− 5 37.4	2.047	3.035	5.5	20.5
7 20	19 11.42	− 5 50.9	2.060	3.040	6.1	20.6
7 30	19 3.25	− 6 15.2	2.099	3.043	8.4	20.7
8 9	18 56.58	− 6 47.7	2.163	3.047	11.1	20.9
8 19	18 51.90	− 7 25.3	2.248	3.049	13.6	21.1

433976 1999 UV_{14} 7 10.5 264°.57 7°.3/12.5 18

6 10	19 42.30	− 2 1.6	2.117	2.953	13.2	21.6
6 20	19 36.52	− 1 24.7	2.026	2.931	10.9	21.5
6 30	19 29.00	− 1 3.0	1.958	2.908	8.7	21.3
7 10	19 20.37	− 0 58.4	1.914	2.885	7.3	21.1
7 20	19 11.42	− 1 11.5	1.897	2.862	7.8	21.1
7 30	19 3.04	− 1 41.1	1.905	2.838	9.9	21.2
8 9	18 56.08	− 2 24.1	1.937	2.814	12.5	21.3
8 19	18 51.14	− 3 16.4	1.990	2.789	15.2	21.5

502563 2015 BH_{488} 7 10.5 296°.39 1°.3/10.3 18

6 10	19 47.23	−25 35.5	1.362	2.270	14.9	21.0
6 20	19 40.89	−25 27.4	1.282	2.248	10.7	20.7
6 30	19 31.63	−25 17.1	1.224	2.227	5.8	20.3
7 10	19 20.51	−25 1.5	1.189	2.205	1.3	20.0
7 20	19 8.95	−24 38.3	1.180	2.184	5.6	20.2
7 30	18 58.60	−24 7.7	1.194	2.163	10.9	20.4
8 9	18 50.85	−23 32.0	1.230	2.142	15.7	20.7
8 19	18 46.53	−22 53.9	1.285	2.121	19.9	20.9

361947 2008 HE_{62} 7 10.5 126°.96 5°.9/13.2 16

6 10	19 39.98	− 1 39.5	2.668	3.495	11.1	22.3
6 20	19 34.41	− 1 13.9	2.608	3.506	9.0	22.2
6 30	19 27.66	− 1 1.6	2.571	3.517	7.1	22.1
7 10	19 20.29	− 1 3.1	2.560	3.527	6.0	22.0
7 20	19 12.91	− 1 17.9	2.576	3.538	6.3	22.1
7 30	19 6.13	− 1 44.5	2.619	3.548	7.7	22.2
8 9	19 0.52	− 2 20.4	2.687	3.557	9.6	22.3
8 19	18 56.46	− 3 2.5	2.777	3.567	11.6	22.5

322169 2010 XT_{18} 7 10.5 16°.26 0°.8/10.8 17

6 10	19 41.70	−17 28.6	1.151	2.066	16.4	19.5
6 20	19 36.91	−18 16.1	1.100	2.069	11.7	19.2
6 30	19 29.43	−19 15.9	1.070	2.074	6.3	18.9
7 10	19 20.39	−20 22.6	1.063	2.079	1.0	18.6
7 20	19 11.21	−21 29.6	1.079	2.085	5.3	18.9
7 30	19 3.42	−22 31.2	1.118	2.093	10.7	19.2
8 9	18 58.25	−23 23.7	1.178	2.101	15.3	19.5
8 19	18 56.34	−24 5.6	1.256	2.109	19.2	19.8

309658 2008 DM_{67} 7 10.5 177°.38 3°.2/11.6 18

6 10	19 41.01	−12 14.7	2.334	3.206	10.9	21.1
6 20	19 35.33	−12 1.8	2.265	3.207	8.1	20.9
6 30	19 28.23	−11 57.0	2.220	3.207	5.2	20.7
7 10	19 20.33	−11 59.8	2.202	3.208	3.2	20.6
7 20	19 12.36	−12 9.4	2.212	3.208	4.4	20.6
7 30	19 5.07	−12 24.6	2.249	3.208	7.1	20.8
8 9	18 59.15	−12 43.5	2.312	3.208	10.0	21.0
8 19	18 55.05	−13 4.6	2.396	3.207	12.5	21.2

154245 2002 KA_{8} 7 10.5 68°.84 0°.9/11.1 18

6 10	19 41.03	−16 8.4	2.228	3.112	10.9	19.6
6 20	19 35.44	−17 3.5	2.168	3.122	7.7	19.4
6 30	19 28.32	−18 6.5	2.134	3.132	4.2	19.2
7 10	19 20.34	−19 13.7	2.127	3.142	1.0	19.0
7 20	19 12.25	−20 21.6	2.148	3.152	3.4	19.2
7 30	19 4.90	−21 26.4	2.198	3.163	6.9	19.4
8 9	18 58.99	−22 25.8	2.274	3.173	10.0	19.6
8 19	18 55.01	−23 18.2	2.372	3.183	12.7	19.8

442077 2010 RE_{176} 7 10.5 284°.14 4°.0/ 9.2 18

6 10	19 44.27	−33 17.4	2.204	3.094	10.7	21.3
6 20	19 37.96	−33 45.2	2.131	3.083	7.9	21.1
6 30	19 29.74	−34 7.0	2.083	3.073	5.2	21.0
7 10	19 20.41	−34 19.1	2.061	3.062	4.0	20.9
7 20	19 10.94	−34 19.1	2.066	3.052	5.6	21.0
7 30	19 2.35	−34 6.3	2.098	3.041	8.5	21.1
8 9	18 55.53	−33 42.6	2.153	3.031	11.4	21.3
8 19	18 51.06	−33 10.3	2.230	3.020	14.0	21.4

485222 2010 VO_{15} 7 10.5 284°.53 2°.1/11.1 17

6 10	19 42.07	−16 9.5	2.317	3.198	10.6	22.0
6 20	19 36.29	−15 56.8	2.220	3.170	7.8	21.8
6 30	19 28.86	−15 49.2	2.148	3.143	4.6	21.5
7 10	19 20.38	−15 46.1	2.103	3.115	2.1	21.3
7 20	19 11.61	−15 46.7	2.086	3.087	3.9	21.4
7 30	19 3.40	−15 50.2	2.097	3.059	7.3	21.6
8 9	18 56.54	−15 55.6	2.133	3.030	10.7	21.7
8 19	18 51.62	−16 2.3	2.191	3.001	13.6	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
238219 2003 UQ_{110}			7 10.5 133.°33	3.°1/ 9.3 17		
	h m	° ′			°	m
6 10	19 45.63	−30 1.2	2.231	3.120	10.6	21.1
6 20	19 38.74	−30 45.6	2.176	3.131	7.6	20.9
6 30	19 30.07	−31 26.4	2.147	3.142	4.6	20.7
7 10	19 20.43	−31 59.5	2.146	3.152	3.1	20.7
7 20	19 10.77	−32 22.1	2.172	3.162	5.0	20.8
7 30	19 2.04	−32 33.2	2.226	3.172	8.0	21.0
8 9	18 55.06	−32 33.7	2.304	3.181	10.8	21.2
8 19	18 50.34	−32 25.5	2.404	3.189	13.2	21.4
87682 2000 SX_{1}			7 10.5 8.°39	18.°0/26.5 18		
6 10	19 41.44	+24 45.0	1.415	2.117	24.5	19.1
6 20	19 36.40	+24 33.2	1.354	2.118	22.8	19.0
6 30	19 29.05	+23 31.8	1.304	2.120	21.0	18.8
7 10	19 20.38	+21 35.4	1.270	2.123	19.4	18.7
7 20	19 11.58	+18 44.4	1.254	2.128	18.3	18.7
7 30	19 3.94	+15 6.5	1.259	2.133	18.1	18.7
8 9	18 58.52	+10 57.0	1.286	2.140	19.0	18.8
8 19	18 55.95	+ 6 34.0	1.336	2.147	20.6	18.9
311462 2005 UP_{432}			7 10.5 47.°28	2.°6/11.4 16		
6 10	19 40.94	−14 34.4	1.990	2.876	11.9	20.3
6 20	19 35.40	−14 27.2	1.935	2.887	8.7	20.1
6 30	19 28.29	−14 27.8	1.904	2.898	5.2	19.9
7 10	19 20.35	−14 35.3	1.899	2.910	2.7	19.8
7 20	19 12.41	−14 48.2	1.921	2.922	4.3	19.9
7 30	19 5.36	−15 4.9	1.970	2.934	7.6	20.2
8 9	18 59.90	−15 23.7	2.042	2.946	10.7	20.4
8 19	18 56.50	−15 42.9	2.137	2.959	13.5	20.6
309105 2006 WK_{73}			7 10.5 108.°87	2.°9/ 9.3 17		
6 10	19 44.10	−30 12.6	2.453	3.341	9.9	21.5
6 20	19 37.51	−30 54.9	2.403	3.358	7.1	21.4
6 30	19 29.37	−31 33.6	2.380	3.374	4.3	21.2
7 10	19 20.41	−32 5.1	2.383	3.389	2.9	21.1
7 20	19 11.45	−32 27.0	2.416	3.405	4.6	21.3
7 30	19 3.35	−32 38.4	2.475	3.420	7.3	21.5
8 9	18 56.82	−32 40.2	2.560	3.435	9.9	21.7
8 19	18 52.32	−32 33.8	2.667	3.449	12.2	21.8
129765 1999 GG_{36}			7 10.5 48.°51	4.°8/ 9.6 17		
6 10	19 48.56	−30 39.3	1.118	2.033	16.8	18.9
6 20	19 41.77	−31 15.8	1.081	2.048	12.1	18.7
6 30	19 31.93	−31 45.0	1.064	2.063	7.3	18.4
7 10	19 20.53	−32 0.2	1.070	2.079	4.8	18.3
7 20	19 9.38	−31 58.0	1.099	2.096	7.5	18.6
7 30	19 0.23	−31 38.9	1.151	2.112	12.0	18.9
8 9	18 54.28	−31 7.1	1.223	2.130	16.1	19.2
8 19	18 52.00	−30 27.2	1.312	2.147	19.6	19.4
362725 2011 UW_{250}			7 10.5 217.°86	2.°8/11.6 18		
6 10	19 40.90	−12 49.1	2.441	3.314	10.5	21.6
6 20	19 35.26	−12 43.2	2.366	3.309	7.8	21.4
6 30	19 28.21	−12 44.8	2.315	3.304	4.9	21.2
7 10	19 20.35	−12 53.4	2.291	3.298	2.9	21.1
7 20	19 12.38	−13 8.0	2.296	3.293	4.1	21.2
7 30	19 5.03	−13 27.0	2.328	3.287	6.9	21.3
8 9	18 58.97	−13 48.9	2.385	3.281	9.7	21.5
8 19	18 54.68	−14 12.2	2.466	3.275	12.3	21.7
43034 1999 VO_{34}			7 10.5 283.°45	4.°6/11.4 18		
6 10	19 43.39	−11 36.2	1.823	2.701	13.2	18.1
6 20	19 37.45	−10 55.0	1.741	2.684	10.0	17.9
6 30	19 29.54	−10 22.6	1.682	2.667	6.8	17.7
7 10	19 20.43	−10 0.2	1.648	2.650	4.7	17.5
7 20	19 11.05	− 9 48.2	1.641	2.633	6.0	17.5
7 30	19 2.46	− 9 46.2	1.659	2.616	9.3	17.7
8 9	18 55.60	− 9 52.6	1.701	2.599	12.8	17.9
8 19	18 51.10	−10 5.4	1.764	2.582	16.0	18.1
318312 2004 TU_{131}			7 10.5 294.°46	1.°6/10.9 18		
6 10	19 44.28	−17 25.9	1.269	2.176	15.8	20.5
6 20	19 38.88	−17 41.6	1.193	2.158	11.5	20.2
6 30	19 30.63	−18 8.0	1.138	2.139	6.4	19.8
7 10	19 20.49	−18 42.4	1.106	2.121	1.7	19.5
7 20	19 9.83	−19 20.8	1.097	2.103	5.5	19.7
7 30	19 0.24	−19 59.2	1.113	2.085	11.0	19.9
8 9	18 53.13	−20 34.7	1.149	2.068	16.0	20.1
8 19	18 49.41	−21 5.5	1.203	2.050	20.3	20.4
220513 2004 EW_{19}			7 10.5 51.°26	1.°5/10.0 17		
6 10	19 44.98	−22 56.7	1.329	2.239	15.0	20.0
6 20	19 38.93	−23 46.5	1.285	2.252	10.5	19.8
6 30	19 30.38	−24 39.8	1.262	2.266	5.5	19.5
7 10	19 20.47	−25 30.7	1.264	2.280	1.5	19.3
7 20	19 10.57	−26 14.0	1.291	2.294	5.4	19.6
7 30	19 2.11	−26 46.9	1.342	2.309	10.1	19.9
8 9	18 56.18	−27 8.7	1.415	2.323	14.2	20.2
8 19	18 53.34	−27 20.6	1.506	2.338	17.7	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
163894 2003 SM_{203}			7 10.5 256.°00	0.°9/10.9 18		
	h m	° ′			°	m
6 10	19 43.11	−18 41.6	1.844	2.738	12.3	20.3
6 20	19 37.21	−18 54.4	1.775	2.734	8.8	20.0
6 30	19 29.38	−19 12.8	1.729	2.729	4.8	19.8
7 10	19 20.42	−19 34.7	1.709	2.725	1.0	19.5
7 20	19 11.30	−19 57.6	1.716	2.720	4.1	19.7
7 30	19 3.07	−20 19.4	1.749	2.716	8.2	20.0
8 9	18 56.62	−20 38.8	1.807	2.711	11.9	20.2
8 19	18 52.56	−20 55.1	1.885	2.706	15.0	20.4
350353 2012 UL_{119}			7 10.5 205.°46	2.°7/11.5 18		
6 10	19 42.44	−13 27.0	2.346	3.219	10.8	21.4
6 20	19 36.38	−13 18.9	2.271	3.215	8.0	21.2
6 30	19 28.82	−13 18.1	2.221	3.211	5.0	21.0
7 10	19 20.40	−13 24.0	2.197	3.206	2.8	20.8
7 20	19 11.85	−13 35.4	2.202	3.200	4.1	20.9
7 30	19 3.99	−13 51.2	2.235	3.194	7.1	21.1
8 9	18 57.50	−14 9.7	2.293	3.188	10.1	21.3
8 19	18 52.88	−14 29.5	2.374	3.181	12.7	21.4
41700 2000 UV_{46}			7 10.5 208.°02	0.°3/10.7 18		
6 10	19 44.44	−20 31.4	1.968	2.859	11.8	19.8
6 20	19 38.06	−20 42.8	1.897	2.856	8.3	19.5
6 30	19 29.80	−20 57.7	1.851	2.852	4.4	19.3
7 10	19 20.46	−21 13.9	1.832	2.848	0.4	19.0
7 20	19 10.97	−21 29.1	1.840	2.844	3.9	19.3
7 30	19 2.36	−21 41.8	1.875	2.839	7.9	19.5
8 9	18 55.50	−21 51.3	1.935	2.834	11.5	19.7
8 19	18 50.96	−21 57.5	2.016	2.829	14.5	19.9
280073 2002 CQ_{224}			7 10.6 46.°35	2.°2/ 9.9 17		
6 10	19 44.86	−26 4.5	1.479	2.386	13.9	20.4
6 20	19 38.69	−26 36.5	1.432	2.398	9.8	20.2
6 30	19 30.20	−27 7.8	1.409	2.411	5.3	20.0
7 10	19 20.48	−27 33.6	1.409	2.423	2.2	19.8
7 20	19 10.82	−27 50.5	1.436	2.437	5.4	20.1
7 30	19 2.51	−27 57.4	1.487	2.450	9.6	20.3
8 9	18 56.57	−27 54.9	1.560	2.464	13.4	20.6
8 19	18 53.52	−27 45.1	1.653	2.478	16.6	20.9
23469 Neilpeart			7 10.6 309.°31	2.°0/10.8 18		
6 10	19 44.69	−19 24.5	1.571	2.470	13.8	17.5
6 20	19 38.68	−18 44.0	1.488	2.449	9.9	17.3
6 30	19 30.32	−18 5.6	1.428	2.428	5.6	17.0
7 10	19 20.50	−17 29.1	1.393	2.408	2.0	16.7
7 20	19 10.36	−16 55.0	1.384	2.388	5.0	16.8
7 30	19 1.21	−16 24.1	1.401	2.368	9.7	17.0
8 9	18 54.16	−15 56.9	1.440	2.349	14.0	17.2
8 19	18 49.92	−15 33.9	1.498	2.330	17.7	17.4
439404 2013 BQ_{56}			7 10.6 60.°92	1.°7/11.5 18		
6 10	19 41.42	−13 59.8	2.069	2.951	11.7	20.8
6 20	19 35.87	−14 48.9	2.001	2.952	8.5	20.6
6 30	19 28.63	−15 48.5	1.957	2.953	4.9	20.4
7 10	19 20.41	−16 55.5	1.940	2.954	1.8	20.2
7 20	19 12.01	−18 5.8	1.951	2.955	3.8	20.4
7 30	19 4.34	−19 15.5	1.991	2.956	7.4	20.6
8 9	18 58.20	−20 21.3	2.055	2.957	10.8	20.8
8 19	18 54.12	−21 21.1	2.142	2.958	13.7	21.0
299742 2006 RO_{79}			7 10.6 238.°75	1.°0/10.2 18		
6 10	19 43.07	−24 14.1	2.136	3.030	10.9	21.3
6 20	19 37.03	−24 35.4	2.065	3.025	7.6	21.1
6 30	19 29.25	−24 57.4	2.019	3.020	4.1	20.9
7 10	19 20.44	−25 17.5	2.000	3.015	1.1	20.7
7 20	19 11.49	−25 33.1	2.008	3.010	4.0	20.9
7 30	19 3.35	−25 43.0	2.044	3.005	7.6	21.1
8 9	18 56.85	−25 47.0	2.104	2.999	10.9	21.3
8 19	18 52.51	−25 45.8	2.186	2.994	13.7	21.5
153329 2001 OM_{41}			7 10.6 295.°71	7.°3/ 8.7 18		
6 10	19 50.39	−37 51.5	1.528	2.420	14.5	19.7
6 20	19 43.39	−38 33.7	1.443	2.390	11.3	19.4
6 30	19 33.11	−39 4.9	1.379	2.361	8.4	19.1
7 10	19 20.66	−39 16.9	1.340	2.331	7.4	19.0
7 20	19 7.60	−39 4.1	1.325	2.301	9.3	19.0
7 30	18 55.81	−38 25.9	1.333	2.271	12.8	19.2
8 9	18 46.88	−37 26.8	1.363	2.241	16.7	19.3
8 19	18 41.72	−36 13.6	1.411	2.211	20.2	19.5
424453 2008 CW_{83}			7 10.6 69.°77	1.°9/10.1 17		
6 10	19 47.31	−25 17.9	1.390	2.297	14.7	21.2
6 20	19 40.44	−25 45.4	1.347	2.313	10.3	21.0
6 30	19 31.12	−26 12.6	1.326	2.329	5.5	20.8
7 10	19 20.54	−26 34.7	1.330	2.345	1.9	20.6
7 20	19 10.08	−26 48.4	1.359	2.361	5.4	20.9
7 30	19 1.15	−26 52.6	1.413	2.378	9.9	21.2
8 9	18 54.78	−26 48.3	1.489	2.394	13.9	21.5
8 19	18 51.48	−26 37.6	1.584	2.410	17.2	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
176289 2001 SV_{40}			7 10.6 338°.36		0°.9/10.9 18	
	h m	° ′			°	m
6 10	19 40.92	−18 38.3	1.678	2.578	12.9	19.6
6 20	19 35.84	−18 54.1	1.609	2.571	9.2	19.4
6 30	19 28.74	−19 16.7	1.563	2.564	5.0	19.1
7 10	19 20.42	−19 43.5	1.541	2.557	1.0	18.8
7 20	19 11.91	−20 11.8	1.546	2.551	4.3	19.1
7 30	19 4.32	−20 38.9	1.576	2.546	8.6	19.3
8 9	18 58.61	−21 3.1	1.630	2.541	12.5	19.5
8 19	18 55.40	−21 23.5	1.704	2.537	15.9	19.7
292540 2006 TV_{47}			7 10.6 198°.35		1°.0/10.9 17	
6 10	19 45.84	−18 38.4	1.875	2.763	12.4	21.8
6 20	19 39.11	−18 48.4	1.805	2.761	8.8	21.6
6 30	19 30.39	−19 3.8	1.758	2.758	4.8	21.3
7 10	19 20.52	−19 22.2	1.738	2.754	1.1	21.1
7 20	19 10.48	−19 41.4	1.746	2.750	4.1	21.3
7 30	19 1.36	−19 59.5	1.781	2.745	8.2	21.5
8 9	18 54.08	−20 15.4	1.840	2.740	11.9	21.7
8 19	18 49.24	−20 28.7	1.920	2.734	15.1	21.9
136879 1998 FH_{124}			7 10.6 71°.53		0°.9/10.2 18	
6 10	19 43.01	−23 15.0	2.004	2.900	11.4	19.9
6 20	19 36.93	−23 43.8	1.954	2.915	7.9	19.7
6 30	19 29.13	−24 14.0	1.928	2.930	4.2	19.5
7 10	19 20.45	−24 42.5	1.930	2.946	0.9	19.3
7 20	19 11.79	−25 6.7	1.958	2.961	3.9	19.6
7 30	19 4.09	−25 24.9	2.014	2.976	7.6	19.8
8 9	18 58.13	−25 36.9	2.094	2.992	10.8	20.1
8 19	18 54.38	−25 43.1	2.196	3.007	13.5	20.3
478670 2012 TZ_{277}			7 10.6 228°.54		1°.0/10.8 17	
6 10	19 43.83	−19 12.4	2.041	2.930	11.5	21.7
6 20	19 37.59	−19 12.0	1.967	2.924	8.2	21.5
6 30	19 29.56	−19 15.6	1.917	2.917	4.5	21.2
7 10	19 20.48	−19 21.5	1.895	2.910	1.0	21.0
7 20	19 11.26	−19 28.3	1.899	2.903	3.9	21.2
7 30	19 2.86	−19 34.8	1.931	2.896	7.7	21.4
8 9	18 56.11	−19 40.1	1.988	2.888	11.2	21.6
8 19	18 51.58	−19 44.1	2.067	2.881	14.2	21.8
121460 1999 TW_{207}			7 10.6 221°.04		5°.2/ 8.9 18	R
6 10	19 48.59	−41 5.8	2.802	3.664	9.6	20.1
6 20	19 40.69	−41 21.5	2.730	3.656	7.6	19.9
6 30	19 31.08	−41 26.5	2.683	3.648	5.9	19.8
7 10	19 20.56	−41 17.6	2.663	3.639	5.2	19.8
7 20	19 10.04	−40 53.3	2.671	3.630	6.2	19.8
7 30	19 0.45	−40 14.3	2.706	3.620	8.1	19.9
8 9	18 52.58	−39 23.3	2.767	3.611	10.2	20.1
8 19	18 46.92	−38 23.7	2.850	3.601	12.2	20.2
422393 2014 SJ_{278}			7 10.6 347°.86		2°.8/10.3 17	
6 10	19 43.38	−27 57.2	0.889	1.821	18.2	19.6
6 20	19 38.87	−27 49.1	0.834	1.811	13.1	19.3
6 30	19 30.78	−27 35.5	0.798	1.803	7.3	18.9
7 10	19 20.56	−27 11.9	0.781	1.796	2.8	18.6
7 20	19 10.14	−26 36.2	0.785	1.791	7.0	18.9
7 30	19 1.64	−25 50.0	0.809	1.787	13.0	19.2
8 9	18 56.60	−24 57.6	0.851	1.785	18.4	19.5
8 19	18 55.72	−24 3.1	0.909	1.784	23.0	19.7
149976 2005 UO_{6}			7 10.6 14°.03		1°.3/10.9 18	
6 10	19 41.18	−18 6.3	2.024	2.916	11.5	19.8
6 20	19 35.68	−18 8.2	1.960	2.917	8.2	19.6
6 30	19 28.52	−18 15.2	1.919	2.919	4.5	19.3
7 10	19 20.43	−18 26.0	1.905	2.920	1.3	19.1
7 20	19 12.28	−18 38.6	1.918	2.922	3.8	19.3
7 30	19 4.95	−18 51.8	1.958	2.924	7.5	19.5
8 9	18 59.23	−19 4.3	2.022	2.926	10.8	19.7
8 19	18 55.60	−19 15.4	2.108	2.929	13.7	19.9
23655 1997 CG_{26}			7 10.6 94°.36		2°.9/ 9.7 18	
6 10	19 47.79	−27 18.8	1.504	2.407	14.0	18.6
6 20	19 40.79	−28 2.3	1.456	2.419	9.9	18.4
6 30	19 31.35	−28 43.8	1.431	2.431	5.6	18.2
7 10	19 20.59	−29 17.9	1.431	2.443	2.9	18.0
7 20	19 9.85	−29 40.4	1.457	2.455	5.8	18.2
7 30	19 0.52	−29 50.2	1.508	2.466	9.9	18.5
8 9	18 53.66	−29 48.5	1.581	2.478	13.7	18.8
8 19	18 49.84	−29 37.8	1.674	2.489	16.9	19.0
282994 2007 TJ_{248}			7 10.6 300°.93		2°.5/11.1 18	
6 10	19 43.14	−16 44.8	1.730	2.623	13.0	20.6
6 20	19 37.45	−16 20.7	1.646	2.602	9.5	20.4
6 30	19 29.64	−16 2.3	1.585	2.582	5.6	20.1
7 10	19 20.51	−15 49.1	1.549	2.562	2.6	19.9
7 20	19 11.07	−15 40.8	1.539	2.542	4.9	20.0
7 30	19 2.46	−15 36.6	1.555	2.522	9.0	20.2
8 9	18 55.70	−15 35.7	1.595	2.502	13.0	20.4
8 19	18 51.46	−15 37.2	1.654	2.482	16.5	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
423042 2003 US_{104}			7 10.6 196°.12		2°.6/11.3 17	
	h m	° ′			°	m
6 10	19 46.34	−14 52.4	1.919	2.798	12.6	22.5
6 20	19 39.40	−14 46.6	1.847	2.795	9.2	22.3
6 30	19 30.54	−14 48.4	1.798	2.792	5.5	22.0
7 10	19 20.56	−14 56.9	1.777	2.788	2.7	21.9
7 20	19 10.42	−15 10.4	1.783	2.783	4.6	22.0
7 30	19 1.17	−15 27.2	1.816	2.778	8.3	22.2
8 9	18 53.70	−15 45.9	1.874	2.772	11.9	22.4
8 19	18 48.59	−16 5.0	1.954	2.765	15.0	22.6
320466 2007 VR_{280}			7 10.6 226°.18		0°.3/10.5 17	
6 10	19 47.23	−21 45.8	1.681	2.576	13.2	22.2
6 20	19 40.39	−22 5.8	1.607	2.568	9.4	21.9
6 30	19 31.21	−22 29.4	1.557	2.558	5.0	21.6
7 10	19 20.61	−22 53.1	1.532	2.549	0.4	21.2
7 20	19 9.72	−23 13.7	1.535	2.538	4.6	21.6
7 30	18 59.85	−23 29.2	1.563	2.528	9.2	21.8
8 9	18 52.08	−23 39.2	1.616	2.516	13.3	22.0
8 19	18 47.11	−23 44.0	1.688	2.504	16.7	22.2
478600 2012 TA_{130}			7 10.6 278°.23		3°.6/ 9.4 18	
6 10	19 46.33	−30 24.4	1.892	2.786	12.0	21.3
6 20	19 39.80	−30 56.9	1.807	2.764	8.7	21.1
6 30	19 30.95	−31 25.9	1.746	2.741	5.4	20.8
7 10	19 20.61	−31 46.6	1.711	2.718	3.6	20.7
7 20	19 9.89	−31 55.5	1.702	2.695	5.8	20.8
7 30	19 0.06	−31 51.3	1.720	2.672	9.5	20.9
8 9	18 52.22	−31 35.2	1.762	2.648	13.1	21.1
8 19	18 47.11	−31 9.7	1.824	2.624	16.3	21.3
339150 2004 TQ_{11}			7 10.6 119°.56		4°.5/10.5 17	
6 10	19 55.38	−17 53.5	1.120	2.018	18.1	19.9
6 20	19 46.38	−16 13.8	1.068	2.026	13.2	19.6
6 30	19 34.36	−14 36.9	1.037	2.033	8.0	19.4
7 10	19 20.79	−13 6.9	1.030	2.040	4.5	19.2
7 20	19 7.44	−11 48.2	1.049	2.047	7.4	19.4
7 30	18 56.05	−10 44.6	1.091	2.054	12.4	19.7
8 9	18 47.86	− 9 57.1	1.155	2.060	17.1	20.0
8 19	18 43.39	− 9 24.3	1.236	2.066	20.9	20.3
144707 2004 GG_{18}			7 10.6 56°.38		10°.7/16.6 18	
6 10	19 39.82	+ 9 31.7	2.019	2.798	15.7	19.5
6 20	19 34.66	+ 9 57.4	1.963	2.807	13.8	19.4
6 30	19 27.98	+ 9 57.8	1.926	2.817	12.1	19.3
7 10	19 20.45	+ 9 31.0	1.911	2.827	10.9	19.2
7 20	19 12.88	+ 8 38.0	1.919	2.837	10.7	19.3
7 30	19 6.10	+ 7 21.9	1.950	2.847	11.6	19.3
8 9	19 0.81	+ 5 48.9	2.004	2.857	13.2	19.5
8 19	18 57.49	+ 4 5.5	2.079	2.867	14.9	19.6
342388 2008 UT_{34}			7 10.6 222°.87		0°.4/10.4 18	
6 10	19 43.82	−21 37.5	1.873	2.769	12.0	20.7
6 20	19 37.76	−22 6.0	1.805	2.766	8.5	20.5
6 30	19 29.74	−22 38.2	1.762	2.763	4.5	20.2
7 10	19 20.56	−23 10.8	1.744	2.761	0.4	19.9
7 20	19 11.22	−23 40.6	1.754	2.758	4.1	20.2
7 30	19 2.78	−24 5.4	1.790	2.755	8.2	20.4
8 9	18 56.16	−24 24.3	1.851	2.751	11.8	20.7
8 19	18 51.95	−24 37.4	1.932	2.748	14.9	20.9
290096 2005 QX_{108}			7 10.6 298°.25		0°.7/10.8 18	
6 10	19 41.58	−19 34.7	2.013	2.907	11.4	20.8
6 20	19 36.11	−19 44.9	1.936	2.895	8.1	20.6
6 30	19 28.85	−19 59.7	1.883	2.883	4.4	20.4
7 10	19 20.52	−20 17.0	1.856	2.872	0.7	20.1
7 20	19 11.98	−20 34.8	1.856	2.861	3.8	20.3
7 30	19 4.20	−20 51.3	1.883	2.849	7.7	20.5
8 9	18 58.03	−21 5.4	1.934	2.838	11.3	20.7
8 19	18 54.04	−21 16.7	2.007	2.827	14.3	20.9
237067 2008 SR_{208}			7 10.6 258°.46		0°.6/10.4 18	
6 10	19 43.81	−22 13.3	1.882	2.778	12.0	21.0
6 20	19 37.82	−22 42.2	1.807	2.769	8.5	20.8
6 30	19 29.81	−23 14.5	1.757	2.759	4.5	20.5
7 10	19 20.58	−23 46.9	1.733	2.750	0.6	20.2
7 20	19 11.11	−24 16.1	1.737	2.740	4.2	20.5
7 30	19 2.49	−24 39.8	1.767	2.730	8.3	20.7
8 9	18 55.68	−24 57.2	1.821	2.721	12.0	20.9
8 19	18 51.30	−25 8.5	1.896	2.711	15.2	21.1
106457 2000 WC			7 10.6 43°.49		0°.2/10.5 17	
6 10	19 44.01	−21 26.6	1.686	2.586	12.9	19.9
6 20	19 38.00	−21 49.1	1.624	2.587	9.1	19.6
6 30	19 29.89	−22 15.5	1.586	2.588	4.8	19.4
7 10	19 20.58	−22 42.5	1.573	2.590	0.3	19.0
7 20	19 11.16	−23 7.0	1.587	2.591	4.4	19.4
7 30	19 2.78	−23 26.8	1.626	2.593	8.7	19.6
8 9	18 56.41	−23 41.1	1.689	2.594	12.5	19.9
8 19	18 52.64	−23 50.2	1.772	2.596	15.8	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
342438 2008 UH_{94}			7 10.6 207°.99		5°.4/12.7 18	
	h m	° ′			°	m
6 10	19 42.21	− 4 27.4	2.469	3.309	11.5	21.8
6 20	19 36.21	− 4 9.1	2.390	3.302	9.1	21.6
6 30	19 28.78	− 4 3.4	2.335	3.295	6.9	21.4
7 10	19 20.53	− 4 10.8	2.306	3.288	5.5	21.3
7 20	19 12.12	− 4 30.7	2.305	3.280	6.0	21.4
7 30	19 4.30	− 5 1.6	2.331	3.271	8.0	21.5
8 9	18 57.73	− 5 40.8	2.382	3.261	10.4	21.6
8 19	18 52.91	− 6 25.4	2.456	3.251	12.7	21.8
330813 2008 VZ_{49}			7 10.6 299°.91		4°.3/ 8.7 18	
6 10	19 42.57	−35 21.5	2.548	3.433	9.7	20.7
6 20	19 36.65	−35 57.1	2.477	3.424	7.3	20.6
6 30	19 29.08	−36 26.4	2.431	3.415	5.1	20.4
7 10	19 20.54	−36 45.9	2.413	3.406	4.3	20.4
7 20	19 11.87	−36 53.3	2.421	3.398	5.6	20.4
7 30	19 3.96	−36 48.0	2.456	3.389	8.0	20.6
8 9	18 57.58	−36 31.1	2.516	3.381	10.4	20.7
8 19	18 53.26	−36 4.9	2.596	3.372	12.6	20.9
469469 2002 RE_{131}			7 10.6 276°.87		6°.2/ 8.8 18	
6 10	19 48.48	−38 28.0	1.962	2.844	12.2	21.1
6 20	19 41.31	−39 3.0	1.887	2.829	9.5	20.9
6 30	19 31.72	−39 27.4	1.836	2.813	7.1	20.7
7 10	19 20.69	−39 35.7	1.811	2.798	6.2	20.6
7 20	19 9.44	−39 24.7	1.811	2.782	7.7	20.7
7 30	18 59.33	−38 54.5	1.837	2.767	10.4	20.8
8 9	18 51.46	−38 8.4	1.886	2.751	13.3	21.0
8 19	18 46.51	−37 11.0	1.955	2.735	16.0	21.1
283328 1997 KN_{2}			7 10.6 9°.81		2°.4/11.3 16	
6 10	19 40.78	−15 54.4	1.390	2.295	14.8	20.5
6 20	19 35.94	−15 58.8	1.334	2.297	10.7	20.3
6 30	19 28.86	−16 13.5	1.300	2.299	6.2	20.1
7 10	19 20.53	−16 36.6	1.289	2.303	2.5	19.8
7 20	19 12.11	−17 5.0	1.303	2.308	5.0	20.0
7 30	19 4.84	−17 35.9	1.340	2.313	9.5	20.3
8 9	18 59.74	−18 6.3	1.400	2.319	13.6	20.5
8 19	18 57.40	−18 34.4	1.479	2.326	17.2	20.8
509678 2008 LN_{10}			7 10.6 91°.96		6°.6/ 6.8 18	
6 10	19 48.06	−40 57.3	2.441	3.309	10.6	21.4
6 20	19 40.66	−42 28.5	2.404	3.330	8.5	21.3
6 30	19 31.24	−43 48.7	2.393	3.350	7.0	21.2
7 10	19 20.66	−44 52.2	2.409	3.370	6.7	21.2
7 20	19 9.96	−45 35.6	2.451	3.389	7.8	21.4
7 30	19 0.25	−45 58.2	2.520	3.409	9.6	21.5
8 9	18 52.44	−46 2.3	2.611	3.428	11.5	21.7
8 19	18 47.13	−45 51.6	2.723	3.447	13.3	21.8
318174 2004 RW_{25}			7 10.6 274°.85		5°.3/11.9 18	
6 10	19 44.67	−10 20.4	1.405	2.291	15.9	20.6
6 20	19 38.92	−10 5.6	1.326	2.273	12.2	20.3
6 30	19 30.62	−10 6.0	1.268	2.256	8.2	20.1
7 10	19 20.64	−10 22.1	1.233	2.238	5.4	19.8
7 20	19 10.20	−10 52.6	1.222	2.219	6.9	19.9
7 30	19 0.69	−11 34.3	1.236	2.201	11.0	20.1
8 9	18 53.37	−12 23.0	1.272	2.183	15.4	20.3
8 19	18 49.06	−13 14.7	1.326	2.164	19.3	20.5
44202 1998 MJ_{32}			7 10.6 7°.30		0°.2/10.6 18	
6 10	19 46.96	−25 53.6	1.049	1.969	17.2	17.4
6 20	19 40.75	−24 51.5	0.997	1.969	12.2	17.1
6 30	19 31.51	−23 43.9	0.966	1.971	6.5	16.8
7 10	19 20.68	−22 30.9	0.957	1.974	0.4	16.4
7 20	19 10.00	−21 15.3	0.971	1.978	5.8	16.8
7 30	19 1.20	−20 1.2	1.008	1.983	11.4	17.1
8 9	18 55.50	−18 52.7	1.065	1.990	16.4	17.4
8 19	18 53.42	−17 52.1	1.140	1.998	20.5	17.7
426145 2012 HD_{37}			7 10.6 230°.29		1°.8/ 9.9 17	
6 10	19 46.79	−24 33.4	1.699	2.596	13.0	21.7
6 20	19 40.16	−25 18.4	1.626	2.588	9.2	21.4
6 30	19 31.15	−26 5.8	1.578	2.579	5.0	21.2
7 10	19 20.67	−26 50.4	1.556	2.570	1.8	20.9
7 20	19 9.87	−27 27.9	1.560	2.561	5.1	21.1
7 30	19 0.06	−27 55.3	1.591	2.551	9.4	21.4
8 9	18 52.37	−28 12.4	1.645	2.540	13.4	21.6
8 19	18 47.51	−28 20.3	1.719	2.529	16.7	21.8
521093 2015 DV_{242}			7 10.6 182°.78		0°.9/10.3 17	
6 10	19 45.39	−23 17.9	1.761	2.659	12.6	22.2
6 20	19 38.95	−23 43.6	1.697	2.659	8.9	22.0
6 30	19 30.40	−24 11.3	1.657	2.659	4.7	21.7
7 10	19 20.64	−24 37.4	1.643	2.659	0.9	21.5
7 20	19 10.74	−24 58.8	1.656	2.659	4.5	21.7
7 30	19 1.88	−25 13.7	1.695	2.658	8.6	22.0
8 9	18 55.02	−25 21.9	1.757	2.657	12.4	22.2
8 19	18 50.75	−25 24.1	1.841	2.656	15.6	22.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
414059 2007 RM_{295}			7 10.6 70°.41		3°.6/ 9.7 17	
	h m	° ′			°	m
6 10	19 48.71	−28 27.7	1.276	2.185	15.5	20.5
6 20	19 41.75	−29 5.5	1.231	2.197	11.1	20.3
6 30	19 31.99	−29 39.5	1.208	2.209	6.4	20.0
7 10	19 20.72	−30 3.8	1.209	2.221	3.6	19.9
7 20	19 9.55	−30 14.2	1.234	2.233	6.6	20.1
7 30	19 0.07	−30 10.2	1.284	2.245	11.0	20.4
8 9	18 53.45	−29 54.3	1.354	2.257	15.1	20.7
8 19	18 50.27	−29 29.9	1.443	2.269	18.6	20.9
96314 1997 AL_{6}			7 10.6 228°.04		0°.5/10.6 18	
6 10	19 49.74	−23 30.8	1.825	2.714	12.6	18.9
6 20	19 41.82	−22 41.9	1.753	2.711	9.0	18.7
6 30	19 31.82	−21 50.6	1.707	2.708	4.8	18.4
7 10	19 20.72	−20 56.5	1.688	2.705	0.6	18.1
7 20	19 9.63	−20 0.6	1.698	2.701	4.3	18.4
7 30	18 59.71	−19 4.9	1.735	2.698	8.5	18.6
8 9	18 51.89	−18 11.7	1.797	2.694	12.3	18.9
8 19	18 46.69	−17 22.7	1.881	2.691	15.5	19.1
69393 1995 FY_{7}			7 10.6 345°.02		4°.9/ 9.0 18	
6 10	19 42.67	−28 23.8	1.062	1.987	16.6	18.0
6 20	19 38.21	−29 34.8	1.005	1.978	12.0	17.7
6 30	19 30.48	−30 46.1	0.969	1.970	7.3	17.4
7 10	19 20.67	−31 48.3	0.954	1.963	5.0	17.3
7 20	19 10.48	−32 33.6	0.961	1.958	8.2	17.4
7 30	19 1.84	−32 57.8	0.989	1.953	13.1	17.7
8 9	18 56.30	−33 2.1	1.036	1.950	17.8	18.0
8 19	18 54.69	−32 50.0	1.099	1.948	21.7	18.2
163402 2002 QA_{86}			7 10.6 306°.40		1°.3/10.9 18	
6 10	19 42.59	−18 24.6	1.764	2.659	12.7	20.0
6 20	19 36.99	−18 28.3	1.692	2.651	9.1	19.8
6 30	19 29.39	−18 38.0	1.643	2.643	5.0	19.5
7 10	19 20.60	−18 51.6	1.620	2.635	1.3	19.2
7 20	19 11.62	−19 7.2	1.623	2.628	4.2	19.4
7 30	19 3.54	−19 22.9	1.652	2.620	8.4	19.7
8 9	18 57.29	−19 37.4	1.705	2.613	12.3	19.9
8 19	18 53.48	−19 49.9	1.779	2.606	15.6	20.1
7742 Altamira			7 10.6 237°.33		0°.6/10.8 18	
6 10	19 43.15	−19 0.5	1.979	2.870	11.7	18.2
6 20	19 37.24	−19 21.9	1.906	2.864	8.3	18.0
6 30	19 29.47	−19 49.0	1.857	2.858	4.5	17.7
7 10	19 20.61	−20 18.9	1.835	2.852	0.7	17.4
7 20	19 11.55	−20 49.2	1.841	2.845	3.9	17.7
7 30	19 3.30	−21 17.4	1.873	2.838	7.8	17.9
8 9	18 56.72	−21 42.1	1.930	2.832	11.4	18.1
8 19	18 52.40	−22 2.8	2.009	2.825	14.4	18.3
149111 2002 CJ_{219}			7 10.6 73°.50		2°.7/ 9.6 18	
6 10	19 43.47	−29 9.8	2.171	3.065	10.7	19.9
6 20	19 37.30	−29 37.9	2.114	3.072	7.6	19.7
6 30	19 29.41	−30 2.9	2.083	3.080	4.5	19.5
7 10	19 20.61	−30 21.4	2.078	3.088	2.7	19.4
7 20	19 11.79	−30 31.2	2.101	3.096	4.7	19.6
7 30	19 3.90	−30 31.5	2.151	3.104	7.8	19.8
8 9	18 57.70	−30 23.2	2.225	3.112	10.7	20.0
8 19	18 53.71	−30 8.1	2.321	3.120	13.3	20.2
440951 2007 BQ_{11}			7 10.6 81°.15		1°.0/11.1 17	
6 10	19 41.78	−16 15.4	2.309	3.190	10.6	21.2
6 20	19 35.92	−17 2.4	2.257	3.209	7.5	21.0
6 30	19 28.63	−17 56.2	2.230	3.228	4.1	20.9
7 10	19 20.57	−18 53.6	2.232	3.247	1.1	20.7
7 20	19 12.49	−19 51.4	2.262	3.266	3.3	20.9
7 30	19 5.17	−20 46.5	2.321	3.285	6.6	21.1
8 9	18 59.27	−21 37.0	2.405	3.303	9.6	21.3
8 19	18 55.24	−22 21.6	2.513	3.322	12.1	21.5
155199 2005 UU_{433}			7 10.6 302°.83		0°.9/10.9 18	
6 10	19 41.26	−19 0.8	2.041	2.934	11.3	20.2
6 20	19 35.90	−19 6.9	1.961	2.920	8.1	20.0
6 30	19 28.78	−19 17.7	1.906	2.906	4.4	19.7
7 10	19 20.59	−19 31.6	1.876	2.892	1.0	19.4
7 20	19 12.18	−19 46.7	1.874	2.878	3.8	19.6
7 30	19 4.51	−20 1.3	1.898	2.865	7.6	19.8
8 9	18 58.39	−20 14.4	1.947	2.851	11.2	20.0
8 19	18 54.42	−20 25.4	2.017	2.838	14.2	20.2
28083 1998 QP_{90}			7 10.6 298°.95		9°.1/ 8.0 18	
6 10	19 50.00	−38 6.0	1.197	2.101	16.7	17.9
6 20	19 43.74	−39 18.3	1.128	2.081	13.2	17.6
6 30	19 33.62	−40 19.2	1.079	2.061	10.2	17.4
7 10	19 20.88	−40 57.5	1.052	2.041	9.2	17.3
7 20	19 7.49	−41 5.0	1.047	2.022	11.4	17.3
7 30	18 55.75	−40 40.2	1.063	2.003	15.2	17.5
8 9	18 47.55	−39 48.7	1.098	1.984	19.3	17.7
8 19	18 43.84	−38 38.9	1.149	1.965	23.0	17.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
209319 2004 BQ_{44}			7 10.6 227.°51		3.°4/12.1 18	
	h m	° ′			°	m
6 10	19 41.93	−10 0.5	2.522	3.383	10.6	21.2
6 20	19 36.07	−10 4.3	2.437	3.371	8.0	21.0
6 30	19 28.78	−10 17.9	2.376	3.358	5.3	20.8
7 10	19 20.60	−10 40.5	2.343	3.345	3.5	20.7
7 20	19 12.23	−11 10.8	2.338	3.331	4.4	20.7
7 30	19 4.41	−11 46.9	2.361	3.317	7.0	20.9
8 9	18 57.81	−12 26.5	2.410	3.302	9.8	21.0
8 19	18 52.94	−13 7.5	2.483	3.287	12.3	21.2
193390 2000 VX_{44}			7 10.6 123.°25		11.°7/13.6 18	
6 10	19 45.04	+ 9 18.5	2.072	2.842	15.7	19.6
6 20	19 38.30	+10 52.7	2.021	2.853	14.0	19.5
6 30	19 29.93	+12 4.2	1.991	2.864	12.5	19.4
7 10	19 20.67	+12 49.0	1.983	2.875	11.7	19.4
7 20	19 11.36	+13 5.5	1.999	2.886	11.8	19.4
7 30	19 2.89	+12 54.9	2.037	2.896	12.8	19.5
8 9	18 56.01	+12 21.3	2.096	2.906	14.2	19.6
8 19	18 51.23	+11 30.5	2.174	2.915	15.7	19.8
340357 2006 DP_{94}			7 10.6 163.°51		1.°5/11.1 17	
6 10	19 43.61	−17 8.0	1.888	2.776	12.3	21.2
6 20	19 37.54	−17 16.7	1.823	2.778	8.8	21.0
6 30	19 29.62	−17 32.1	1.781	2.780	5.0	20.8
7 10	19 20.66	−17 52.1	1.766	2.781	1.6	20.6
7 20	19 11.59	−18 14.7	1.778	2.782	4.1	20.7
7 30	19 3.42	−18 37.6	1.817	2.783	8.0	21.0
8 9	18 57.00	−18 59.5	1.880	2.784	11.5	21.2
8 19	18 52.88	−19 19.2	1.965	2.785	14.6	21.4
431924 2008 TM_{91}			7 10.6 229.°10		6.°6/ 8.3 17	
6 10	19 48.31	−37 37.9	1.812	2.699	12.8	21.0
6 20	19 41.30	−38 37.2	1.753	2.697	9.9	20.8
6 30	19 31.78	−39 26.7	1.717	2.695	7.4	20.7
7 10	19 20.78	−39 59.7	1.706	2.692	6.6	20.6
7 20	19 9.61	−40 12.2	1.721	2.689	8.2	20.7
7 30	18 59.68	−40 3.8	1.760	2.687	10.9	20.9
8 9	18 52.13	−39 37.5	1.822	2.684	13.8	21.0
8 19	18 47.63	−38 58.0	1.902	2.681	16.5	21.2
166151 2002 EM_{20}			7 10.6 116.°64		1.°0/10.3 18	
6 10	19 48.58	−22 43.6	1.575	2.472	13.8	19.9
6 20	19 41.23	−23 18.7	1.526	2.488	9.7	19.7
6 30	19 31.61	−23 56.4	1.501	2.503	5.1	19.5
7 10	19 20.77	−24 31.9	1.501	2.517	1.0	19.2
7 20	19 9.97	−25 1.5	1.528	2.531	4.8	19.5
7 30	19 0.48	−25 23.2	1.581	2.545	9.2	19.8
8 9	18 53.31	−25 36.8	1.658	2.558	13.0	20.1
8 19	18 49.01	−25 43.5	1.755	2.570	16.2	20.3
479395 2013 YS_{26}			7 10.6 112.°60		1.°2/ 9.9 18	
6 10	19 44.81	−22 44.0	2.036	2.928	11.4	20.9
6 20	19 38.31	−23 44.4	1.982	2.942	8.0	20.7
6 30	19 30.01	−24 47.6	1.954	2.955	4.2	20.5
7 10	19 20.69	−25 48.9	1.952	2.968	1.2	20.3
7 20	19 11.28	−26 44.2	1.980	2.980	4.2	20.5
7 30	19 2.79	−27 30.8	2.034	2.992	7.8	20.8
8 9	18 56.03	−28 7.5	2.114	3.004	11.0	21.0
8 19	18 51.55	−28 34.7	2.215	3.016	13.8	21.2
90238 2003 BZ_{44}			7 10.6 148.°16		2.°8/11.7 18	
6 10	19 41.37	−12 39.4	2.241	3.116	11.2	20.1
6 20	19 35.72	−12 43.4	2.174	3.119	8.3	19.9
6 30	19 28.58	−12 56.1	2.132	3.122	5.2	19.7
7 10	19 20.61	−13 16.6	2.117	3.125	2.9	19.6
7 20	19 12.55	−13 43.1	2.129	3.128	4.2	19.7
7 30	19 5.22	−14 13.6	2.169	3.131	7.1	19.9
8 9	18 59.29	−14 46.0	2.234	3.133	10.1	20.1
8 19	18 55.26	−15 18.4	2.321	3.135	12.8	20.3
441977 2010 MJ_{110}			7 10.6 326.°38		10.°5/14.1 17	
6 10	19 38.64	+ 4 55.7	1.853	2.668	15.6	20.8
6 20	19 34.15	+ 5 44.0	1.777	2.654	13.6	20.7
6 30	19 27.90	+ 6 9.8	1.722	2.640	11.7	20.5
7 10	19 20.58	+ 6 10.0	1.687	2.626	10.6	20.4
7 20	19 13.00	+ 5 43.6	1.676	2.613	10.7	20.4
7 30	19 6.12	+ 4 52.5	1.687	2.601	12.1	20.4
8 9	19 0.77	+ 3 41.5	1.720	2.589	14.2	20.5
8 19	18 57.55	+ 2 16.8	1.772	2.578	16.5	20.7
503035 2015 FX_{145}			7 10.6 143.°75		6.°7/ 8.3 17	
6 10	19 50.38	−39 14.7	1.970	2.848	12.4	21.5
6 20	19 42.54	−40 11.5	1.919	2.856	9.7	21.3
6 30	19 32.34	−40 56.8	1.892	2.863	7.4	21.2
7 10	19 20.82	−41 24.6	1.890	2.870	6.7	21.2
7 20	19 9.28	−41 31.7	1.914	2.876	8.0	21.3
7 30	18 59.03	−41 18.4	1.964	2.882	10.5	21.4
8 9	18 51.13	−40 47.9	2.037	2.888	13.0	21.6
8 19	18 46.16	−40 5.2	2.129	2.893	15.4	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
443541 2014 KT_4			7 10.6 60.°14		4.°2/12.9 18	
	h m	° ′			°	m
6 10	19 41.05	− 7 19.5	2.012	2.875	12.8	20.8
6 20	19 35.54	− 7 53.5	1.959	2.892	9.7	20.6
6 30	19 28.48	− 8 42.2	1.931	2.910	6.6	20.4
7 10	19 20.61	− 9 43.6	1.928	2.928	4.3	20.3
7 20	19 12.72	−10 54.0	1.952	2.947	5.0	20.4
7 30	19 5.67	−12 9.3	2.004	2.965	7.7	20.6
8 9	19 0.15	−13 25.1	2.081	2.983	10.7	20.8
8 19	18 56.62	−14 38.0	2.181	3.002	13.3	21.1
230444 2002 QJ_{91}			7 10.6 237.°57		2.°1/ 9.7 18	
6 10	19 44.40	−26 43.2	2.214	3.105	10.6	21.2
6 20	19 38.10	−27 20.8	2.137	3.095	7.5	20.9
6 30	19 29.96	−27 58.1	2.085	3.084	4.2	20.7
7 10	19 20.70	−28 31.4	2.060	3.073	2.1	20.6
7 20	19 11.20	−28 57.6	2.064	3.061	4.4	20.7
7 30	19 2.46	−29 15.0	2.094	3.049	7.8	20.9
8 9	18 55.32	−29 23.4	2.150	3.037	11.0	21.1
8 19	18 50.41	−29 24.0	2.227	3.024	13.8	21.2
434753 2006 HY_{75}			7 10.6 161.°94		5.°4/13.0 17	
6 10	19 42.41	− 3 57.0	2.411	3.249	11.8	22.1
6 20	19 36.34	− 3 48.6	2.344	3.255	9.3	21.9
6 30	19 28.87	− 3 53.8	2.301	3.261	7.0	21.8
7 10	19 20.64	− 4 12.6	2.284	3.266	5.5	21.7
7 20	19 12.34	− 4 44.0	2.295	3.271	5.9	21.7
7 30	19 4.71	− 5 25.8	2.333	3.275	7.9	21.9
8 9	18 58.38	− 6 14.7	2.396	3.278	10.2	22.0
8 19	18 53.83	− 7 7.7	2.483	3.281	12.5	22.2
332501 2008 FE_{117}			7 10.6 83.°28		0.°8/10.8 17	
6 10	19 46.12	−19 4.9	1.517	2.415	14.2	21.3
6 20	19 39.49	−19 19.9	1.470	2.431	10.0	21.1
6 30	19 30.69	−19 40.9	1.444	2.446	5.4	20.9
7 10	19 20.75	−20 4.8	1.444	2.461	0.9	20.6
7 20	19 10.86	−20 28.5	1.470	2.475	4.5	20.9
7 30	19 2.26	−20 49.9	1.522	2.490	9.0	21.2
8 9	18 55.89	−21 7.7	1.597	2.505	12.9	21.5
8 19	18 52.28	−21 21.6	1.692	2.519	16.2	21.7
352108 2007 BX_{55}			7 10.6 39.°93		8.°7/10.7 18	
6 10	19 59.46	−49 2.0	1.971	2.812	13.9	19.4
6 20	19 48.58	−48 53.2	1.923	2.824	11.6	19.3
6 30	19 35.24	−48 22.1	1.897	2.836	9.6	19.2
7 10	19 20.99	−47 24.3	1.896	2.849	8.7	19.2
7 20	19 7.45	−46 0.3	1.921	2.862	9.4	19.2
7 30	18 56.08	−44 14.9	1.973	2.876	11.2	19.4
8 9	18 47.76	−42 16.1	2.049	2.889	13.4	19.5
8 19	18 42.81	−40 11.6	2.147	2.904	15.5	19.7
53949 2000 GO_{54}			7 10.6 97.°77		1.°9/10.1 18	
6 10	19 47.75	−25 51.3	1.622	2.521	13.4	19.4
6 20	19 40.62	−26 17.2	1.574	2.535	9.4	19.2
6 30	19 31.29	−26 42.1	1.549	2.550	5.1	19.0
7 10	19 20.79	−27 1.7	1.550	2.564	1.9	18.8
7 20	19 10.37	−27 13.3	1.577	2.578	5.0	19.1
7 30	19 1.26	−27 15.9	1.630	2.592	9.1	19.3
8 9	18 54.44	−27 10.4	1.707	2.605	12.8	19.6
8 19	18 50.43	−26 58.8	1.804	2.618	15.9	19.8
126725 2002 CH_{263}			7 10.6 0.°71		4.°8/13.8 18	
6 10	19 41.21	− 3 52.6	1.710	2.568	14.9	18.0
6 20	19 36.07	− 5 16.9	1.638	2.566	11.5	17.8
6 30	19 28.98	− 7 6.1	1.588	2.565	7.9	17.6
7 10	19 20.67	− 9 16.3	1.565	2.565	5.1	17.4
7 20	19 12.09	−11 40.5	1.569	2.566	5.6	17.5
7 30	19 4.30	−14 9.8	1.602	2.568	8.8	17.7
8 9	18 58.25	−16 35.4	1.660	2.570	12.4	17.9
8 19	18 54.57	−18 50.7	1.742	2.573	15.7	18.1
88210 2000 YQ_{128}			7 10.6 274.°38		0.°3/10.5 18	
6 10	19 41.85	−20 33.6	2.373	3.261	10.1	19.7
6 20	19 36.27	−21 17.3	2.283	3.241	7.2	19.5
6 30	19 29.01	−22 6.0	2.219	3.220	3.8	19.2
7 10	19 20.68	−22 56.8	2.183	3.199	0.3	18.9
7 20	19 12.02	−23 46.4	2.175	3.178	3.5	19.1
7 30	19 3.91	−24 32.0	2.195	3.157	7.1	19.3
8 9	18 57.14	−25 11.8	2.241	3.135	10.4	19.5
8 19	18 52.30	−25 45.1	2.310	3.113	13.2	19.7
364470 2007 CM_{65}			7 10.6 142.°96		4.°3/ 9.2 18	
6 10	19 45.91	−36 31.1	2.617	3.494	9.7	21.1
6 20	19 38.86	−36 52.6	2.558	3.500	7.3	21.0
6 30	19 30.22	−37 6.2	2.525	3.506	5.2	20.9
7 10	19 20.75	−37 8.7	2.520	3.512	4.3	20.8
7 20	19 11.30	−36 58.8	2.542	3.517	5.5	20.9
7 30	19 2.77	−36 36.6	2.591	3.522	7.7	21.1
8 9	18 55.87	−36 4.2	2.666	3.527	10.0	21.2
8 19	18 51.06	−35 24.2	2.762	3.532	12.1	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
357516 2004 RZ_{82}			7 10.6 358.°82	5.°0/ 9.6 17		
	h m	° ′			°	m
6 10	19 41.44	−29 23.4	0.859	1.794	18.3	19.6
6 20	19 37.65	−30 1.7	0.812	1.789	13.2	19.3
6 30	19 30.27	−30 35.6	0.783	1.786	8.0	19.0
7 10	19 20.76	−30 57.0	0.773	1.785	5.0	18.8
7 20	19 11.08	−31 0.3	0.783	1.785	8.4	19.0
7 30	19 3.37	−30 44.6	0.813	1.787	13.7	19.3
8 9	18 59.16	−30 13.2	0.860	1.790	18.7	19.6
8 19	18 59.10	−29 31.0	0.922	1.796	22.9	19.9
92236 2000 AM_{112}			7 10.6 285.°19	1.°1/10.9 18		
6 10	19 41.22	−18 26.5	2.308	3.195	10.4	19.5
6 20	19 35.74	−18 26.1	2.224	3.179	7.5	19.3
6 30	19 28.68	−18 29.9	2.165	3.164	4.2	19.1
7 10	19 20.68	−18 36.8	2.133	3.148	1.2	18.8
7 20	19 12.48	−18 45.2	2.129	3.132	3.5	19.0
7 30	19 4.92	−18 54.1	2.152	3.117	7.0	19.2
8 9	18 58.74	−19 2.5	2.201	3.101	10.2	19.3
8 19	18 54.47	−19 9.9	2.271	3.086	13.0	19.5
307974 2004 NJ_{26}			7 10.6 353.°98	2.°1/10.9 17		
6 10	19 37.78	−19 56.6	0.785	1.725	19.0	19.9
6 20	19 35.01	−19 25.2	0.735	1.715	13.7	19.6
6 30	19 28.87	−19 0.5	0.701	1.707	7.6	19.2
7 10	19 20.70	−18 42.0	0.686	1.702	2.2	18.9
7 20	19 12.30	−18 28.8	0.690	1.699	6.6	19.1
7 30	19 5.65	−18 19.7	0.713	1.698	12.8	19.5
8 9	19 2.26	−18 13.6	0.752	1.699	18.5	19.8
8 19	19 2.83	−18 9.0	0.806	1.702	23.2	20.1
480579 2015 ML_{79}			7 10.6 214.°99	1.°2/10.9 18		
6 10	19 43.15	−18 59.8	2.350	3.234	10.4	21.4
6 20	19 36.97	−18 46.5	2.276	3.230	7.4	21.2
6 30	19 29.27	−18 36.2	2.228	3.226	4.1	21.0
7 10	19 20.72	−18 28.0	2.207	3.222	1.2	20.7
7 20	19 12.08	−18 21.1	2.214	3.218	3.5	20.9
7 30	19 4.18	−18 15.0	2.250	3.213	6.8	21.1
8 9	18 57.71	−18 9.3	2.311	3.208	9.9	21.3
8 19	18 53.15	−18 3.9	2.394	3.203	12.6	21.5
19063 3147 $T\text{-}_{2}$			7 10.6 146.°97	0.°1/10.6 18		
6 10	19 42.16	−21 19.2	2.406	3.294	10.0	19.1
6 20	19 36.27	−21 41.1	2.342	3.299	7.0	19.0
6 30	19 28.91	−22 5.5	2.303	3.304	3.7	18.8
7 10	19 20.72	−22 30.2	2.291	3.308	0.2	18.5
7 20	19 12.46	−22 53.1	2.308	3.312	3.3	18.7
7 30	19 4.93	−23 12.7	2.353	3.316	6.6	19.0
8 9	18 58.80	−23 28.2	2.424	3.320	9.6	19.2
8 19	18 54.55	−23 39.6	2.517	3.323	12.2	19.3
167344 2003 VX_{7}			7 10.6 267.°62	7.°8/12.8 18		
6 10	19 42.05	− 0 49.6	2.084	2.916	13.6	19.9
6 20	19 36.46	− 0 7.1	1.998	2.897	11.3	19.7
6 30	19 29.15	+ 0 19.5	1.934	2.878	9.1	19.5
7 10	19 20.76	+ 0 27.8	1.894	2.859	7.9	19.4
7 20	19 12.08	+ 0 17.0	1.879	2.839	8.3	19.4
7 30	19 4.00	− 0 11.6	1.890	2.819	10.2	19.5
8 9	18 57.35	− 0 54.8	1.924	2.799	12.7	19.6
8 19	18 52.71	− 1 48.5	1.979	2.778	15.2	19.7
509146 2006 BD_{110}			7 10.6 274.°04	0.°7/10.4 18		
6 10	19 44.80	−22 20.0	1.765	2.663	12.6	21.5
6 20	19 38.80	−22 49.6	1.683	2.644	8.9	21.2
6 30	19 30.55	−23 23.2	1.624	2.626	4.8	21.0
7 10	19 20.85	−23 57.1	1.591	2.607	0.7	20.6
7 20	19 10.76	−24 27.7	1.585	2.588	4.5	20.9
7 30	19 1.50	−24 52.4	1.604	2.569	9.0	21.1
8 9	18 54.15	−25 10.2	1.648	2.550	13.0	21.3
8 19	18 49.45	−25 21.3	1.712	2.530	16.5	21.5
247816 2003 SQ_{144}			7 10.6 326.°91	9.°3/10.8 18		
6 10	19 41.88	− 9 3.4	1.067	1.968	18.6	18.8
6 20	19 37.48	− 7 20.9	0.994	1.945	14.9	18.5
6 30	19 30.13	− 5 50.2	0.941	1.923	11.2	18.2
7 10	19 20.83	− 4 38.2	0.908	1.902	9.3	18.0
7 20	19 11.00	− 3 50.0	0.896	1.882	10.8	18.0
7 30	19 2.31	− 3 28.0	0.904	1.864	14.7	18.2
8 9	18 56.24	− 3 30.0	0.931	1.847	19.1	18.3
8 19	18 53.69	− 3 50.9	0.972	1.831	23.2	18.6
267752 2003 JS_{1}			7 10.6 66.°14	6.°5/12.8 17		
6 10	19 43.34	− 6 9.9	1.569	2.437	15.5	20.5
6 20	19 37.45	− 5 48.3	1.520	2.451	12.1	20.3
6 30	19 29.64	− 5 44.4	1.492	2.466	8.7	20.1
7 10	19 20.80	− 5 58.4	1.489	2.481	6.6	20.0
7 20	19 11.99	− 6 28.8	1.510	2.496	7.3	20.1
7 30	19 4.29	− 7 11.9	1.555	2.511	10.0	20.3
8 9	18 58.54	− 8 3.3	1.624	2.526	13.1	20.5
8 19	18 55.26	− 8 58.4	1.713	2.541	16.0	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
311469 2005 UQ_{485}			7 10.6 301.°40	7.°0/ 6.8 18		
	h m	° ′			°	m
6 10	19 45.65	−38 49.0	2.052	2.935	11.7	19.9
6 20	19 39.51	−40 18.1	1.984	2.922	9.3	19.7
6 30	19 30.98	−41 39.2	1.941	2.910	7.4	19.6
7 10	19 20.89	−42 45.4	1.924	2.898	7.1	19.6
7 20	19 10.38	−43 31.4	1.932	2.886	8.5	19.6
7 30	19 0.76	−43 55.2	1.965	2.874	11.0	19.7
8 9	18 53.17	−43 58.3	2.021	2.862	13.5	19.9
8 19	18 48.40	−43 44.3	2.095	2.850	15.8	20.0
12108 1998 KJ_{48}			7 10.6 342.°53	2.°5/11.5 18		
6 10	19 39.74	−14 44.6	1.731	2.625	13.0	17.7
6 20	19 35.06	−14 51.3	1.660	2.616	9.5	17.5
6 30	19 28.47	−15 7.7	1.612	2.608	5.7	17.3
7 10	19 20.75	−15 32.6	1.589	2.601	2.6	17.1
7 20	19 12.83	−16 3.5	1.591	2.594	4.6	17.2
7 30	19 5.74	−16 37.7	1.619	2.589	8.4	17.4
8 9	19 0.40	−17 12.6	1.670	2.583	12.2	17.6
8 19	18 57.38	−17 46.1	1.742	2.579	15.4	17.8
429656 2011 GK_{32}			7 10.6 49.°91	5.°0/12.3 17		
6 10	19 43.14	− 9 54.8	1.451	2.336	15.5	20.2
6 20	19 37.40	− 9 45.1	1.408	2.354	11.7	20.0
6 30	19 29.63	− 9 50.9	1.385	2.372	7.8	19.8
7 10	19 20.81	−10 11.3	1.387	2.390	5.1	19.7
7 20	19 12.07	−10 43.8	1.413	2.409	6.2	19.8
7 30	19 4.55	−11 24.8	1.463	2.428	9.6	20.1
8 9	18 59.13	−12 10.1	1.537	2.448	13.2	20.3
8 19	18 56.30	−12 56.3	1.630	2.467	16.3	20.6
365700 2010 VF_{128}			7 10.6 261.°62	2.°8/ 9.8 18		
6 10	19 44.53	−30 54.9	2.351	3.240	10.2	20.7
6 20	19 38.08	−31 5.2	2.278	3.233	7.4	20.5
6 30	19 29.93	−31 10.8	2.231	3.226	4.5	20.3
7 10	19 20.83	−31 9.0	2.211	3.219	2.8	20.2
7 20	19 11.65	−30 58.1	2.219	3.213	4.6	20.3
7 30	19 3.31	−30 38.0	2.254	3.206	7.6	20.4
8 9	18 56.59	−30 10.2	2.315	3.199	10.5	20.6
8 19	18 52.02	−29 36.7	2.397	3.192	13.0	20.8
91505 1999 RA_{158}			7 10.6 252.°96	6.°8/ 8.4 18		
6 10	19 50.28	−39 57.0	2.014	2.890	12.2	18.7
6 20	19 42.69	−40 41.9	1.941	2.875	9.7	18.5
6 30	19 32.60	−41 15.6	1.891	2.861	7.5	18.3
7 10	19 21.00	−41 31.9	1.866	2.846	6.8	18.2
7 20	19 9.14	−41 27.4	1.868	2.830	8.1	18.3
7 30	18 58.43	−41 2.0	1.895	2.815	10.7	18.4
8 9	18 50.01	−40 18.9	1.945	2.799	13.5	18.6
8 19	18 44.57	−39 23.3	2.015	2.782	16.0	18.7
480919 2002 WA			7 10.6 306.°02	1.°2/10.8 16		
6 10	19 44.90	−20 8.3	1.712	2.608	13.0	22.0
6 20	19 39.01	−19 46.8	1.612	2.572	9.4	21.7
6 30	19 30.75	−19 27.6	1.536	2.536	5.2	21.4
7 10	19 20.90	−19 9.5	1.485	2.500	1.3	21.0
7 20	19 10.50	−18 51.6	1.460	2.464	4.7	21.2
7 30	19 0.82	−18 33.9	1.461	2.429	9.4	21.4
8 9	18 53.03	−18 16.5	1.486	2.393	13.8	21.5
8 19	18 47.96	−17 59.9	1.530	2.357	17.7	21.7
119916 2002 ER_{83}			7 10.6 227.°14	1.°3/10.1 18		
6 10	19 42.40	−24 52.8	2.346	3.238	10.1	20.3
6 20	19 36.57	−25 18.8	2.276	3.235	7.1	20.1
6 30	19 29.15	−25 45.3	2.231	3.232	3.8	19.8
7 10	19 20.81	−26 9.4	2.213	3.228	1.3	19.6
7 20	19 12.34	−26 28.8	2.224	3.225	3.8	19.8
7 30	19 4.60	−26 42.2	2.262	3.221	7.1	20.0
8 9	18 58.33	−26 49.3	2.325	3.218	10.1	20.2
8 19	18 54.05	−26 50.8	2.410	3.214	12.7	20.4
476038 2007 RZ_{272}			7 10.6 305.°93	9.°7/ 7.5 18		
6 10	19 50.69	−44 25.7	1.670	2.545	14.4	21.2
6 20	19 43.70	−45 24.5	1.593	2.518	12.0	20.9
6 30	19 33.45	−46 7.8	1.537	2.493	10.2	20.8
7 10	19 21.08	−46 26.8	1.504	2.467	9.7	20.7
7 20	19 8.23	−46 16.1	1.495	2.441	11.1	20.7
7 30	18 56.77	−45 35.3	1.508	2.416	13.7	20.8
8 9	18 48.26	−44 29.4	1.541	2.391	16.6	20.9
8 19	18 43.54	−43 5.9	1.593	2.366	19.4	21.1
284608 2007 TE_{443}			7 10.6 287.°60	1.°5/10.0 18		
6 10	19 43.37	−23 53.7	1.865	2.763	11.9	20.6
6 20	19 37.65	−24 38.7	1.793	2.756	8.4	20.4
6 30	19 29.88	−25 26.3	1.746	2.748	4.5	20.1
7 10	19 20.87	−26 12.5	1.725	2.740	1.5	19.9
7 20	19 11.60	−26 53.2	1.731	2.732	4.6	20.1
7 30	19 3.18	−27 25.7	1.763	2.724	8.5	20.3
8 9	18 56.58	−27 49.0	1.819	2.717	12.2	20.5
8 19	18 52.45	−28 3.7	1.896	2.709	15.3	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
328509 2009 QC_{10}			7 10.6 314°.73		0°.8/10.5 17	
	h m	° ′			°	m
6 10	19 43.70	−22 51.4	1.280	2.194	15.2	20.3
6 20	19 38.65	−23 6.3	1.203	2.172	10.9	20.0
6 30	19 30.73	−23 25.2	1.147	2.151	5.8	19.6
7 10	19 20.93	−23 44.0	1.115	2.131	0.8	19.2
7 20	19 10.62	−23 59.1	1.105	2.111	5.5	19.5
7 30	19 1.42	−24 7.8	1.120	2.092	11.0	19.7
8 9	18 54.75	−24 9.8	1.155	2.073	15.9	20.0
8 19	18 51.48	−24 5.9	1.207	2.055	20.2	20.2
162193 1999 RO_{30}			7 10.6 339°.08		24°.0/21.8 17	
6 10	19 40.34	+20 48.5	1.004	1.778	28.5	19.9
6 20	19 36.43	+22 40.1	0.957	1.771	27.0	19.8
6 30	19 29.58	+23 41.4	0.920	1.766	25.6	19.6
7 10	19 20.86	+23 41.6	0.895	1.761	24.5	19.5
7 20	19 11.74	+22 35.5	0.882	1.756	24.0	19.5
7 30	19 3.91	+20 25.6	0.883	1.753	24.3	19.5
8 9	18 58.81	+17 24.0	0.897	1.750	25.3	19.5
8 19	18 57.29	+13 47.7	0.926	1.749	26.8	19.7
23687 1997 JA_{11}			7 10.6 300°.66		5°.0/12.8 18	
6 10	19 40.23	− 6 7.7	2.165	3.021	12.2	17.8
6 20	19 35.26	− 6 15.4	2.065	2.991	9.7	17.6
6 30	19 28.59	− 6 38.1	1.988	2.961	7.0	17.4
7 10	19 20.81	− 7 15.8	1.936	2.930	5.1	17.2
7 20	19 12.63	− 8 7.2	1.912	2.900	5.8	17.2
7 30	19 4.93	− 9 9.5	1.914	2.870	8.4	17.3
8 9	18 58.54	−10 18.7	1.941	2.839	11.5	17.4
8 19	18 54.09	−11 31.0	1.990	2.809	14.5	17.6
476766 2008 UX_{109}			7 10.6 269°.08		0°.1/10.6 16	
6 10	19 45.03	−22 13.1	1.797	2.693	12.5	21.7
6 20	19 38.78	−22 13.4	1.723	2.684	8.8	21.4
6 30	19 30.46	−22 15.6	1.674	2.676	4.7	21.2
7 10	19 20.91	−22 17.4	1.650	2.667	0.3	20.8
7 20	19 11.18	−22 17.0	1.653	2.658	4.2	21.1
7 30	19 2.40	−22 13.5	1.683	2.649	8.5	21.3
8 9	18 55.53	−22 7.0	1.736	2.640	12.3	21.5
8 19	18 51.20	−21 58.1	1.811	2.631	15.6	21.7
333553 2005 UN_{460}			7 10.6 337°.84		19°.9/ 9.3 17	
6 10	19 47.69	+ 5 34.7	0.934	1.786	24.7	20.6
6 20	19 41.65	+ 9 2.2	0.889	1.782	22.3	20.4
6 30	19 32.35	+11 58.0	0.861	1.778	20.5	20.2
7 10	19 21.04	+14 7.0	0.850	1.774	19.9	20.2
7 20	19 9.38	+15 19.6	0.855	1.771	20.7	20.2
7 30	18 59.25	+15 34.9	0.877	1.768	22.5	20.3
8 9	18 52.18	+15 1.2	0.912	1.766	24.9	20.5
8 19	18 48.98	+13 51.0	0.960	1.765	27.2	20.7
204529 2005 EF_{90}			7 10.6 18°.86		0°.5/10.8 18 R	
6 10	19 43.38	−20 26.5	1.708	2.607	12.8	20.1
6 20	19 37.58	−20 29.9	1.647	2.609	9.1	19.9
6 30	19 29.78	−20 37.2	1.610	2.611	4.9	19.6
7 10	19 20.87	−20 46.3	1.597	2.614	0.6	19.3
7 20	19 11.88	−20 55.1	1.611	2.616	4.2	19.6
7 30	19 3.93	−21 2.2	1.651	2.619	8.4	19.9
8 9	18 57.91	−21 7.0	1.714	2.622	12.2	20.1
8 19	18 54.38	−21 9.3	1.798	2.626	15.4	20.3
284611 2007 UR_{5}			7 10.6 330°.97		11°.6/ 3.0 18	
6 10	19 48.92	−44 51.3	1.583	2.460	14.8	19.2
6 20	19 42.94	−47 28.5	1.528	2.449	12.8	19.0
6 30	19 33.34	−49 52.2	1.497	2.437	11.6	18.9
7 10	19 21.12	−51 49.5	1.490	2.427	11.9	18.9
7 20	19 7.93	−53 11.2	1.506	2.417	13.6	19.0
7 30	18 55.92	−53 54.4	1.543	2.407	15.9	19.1
8 9	18 47.03	−54 3.0	1.598	2.399	18.3	19.3
8 19	18 42.41	−53 44.4	1.668	2.390	20.4	19.4
434064 2001 VX_{71}			7 10.6 321°.63		5°.0/ 8.3 18	
6 10	19 43.61	−31 41.7	1.753	2.654	12.4	20.4
6 20	19 38.16	−33 1.3	1.683	2.641	9.2	20.2
6 30	19 30.31	−34 18.4	1.638	2.629	6.2	20.0
7 10	19 20.92	−35 26.1	1.617	2.617	5.1	19.9
7 20	19 11.13	−36 18.6	1.623	2.606	7.2	20.0
7 30	19 2.27	−36 52.8	1.654	2.595	10.5	20.1
8 9	18 55.50	−37 9.0	1.707	2.585	13.9	20.3
8 19	18 51.59	−37 9.7	1.778	2.575	16.8	20.5
69604 1998 FH_{35}			7 10.6 219°.90		2°.3/11.3 18	
6 10	19 46.13	−15 43.6	1.659	2.547	13.8	19.7
6 20	19 39.66	−15 48.7	1.587	2.541	10.0	19.5
6 30	19 30.98	−16 2.7	1.538	2.535	5.8	19.2
7 10	19 20.97	−16 23.8	1.514	2.528	2.4	19.0
7 20	19 10.70	−16 49.4	1.517	2.520	4.8	19.1
7 30	19 1.40	−17 17.2	1.546	2.512	9.1	19.4
8 9	18 54.11	−17 44.9	1.599	2.504	13.1	19.6
8 19	18 49.47	−18 11.0	1.672	2.496	16.5	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
143619 2003 GC_{49}			7 10.6 85°.65		2°.2/11.5 17	
	h m	° ′			°	m
6 10	19 45.43	−14 45.2	1.700	2.586	13.6	19.9
6 20	19 38.83	−15 8.2	1.655	2.608	9.8	19.7
6 30	19 30.36	−15 40.7	1.634	2.630	5.6	19.5
7 10	19 20.92	−16 20.0	1.638	2.651	2.3	19.3
7 20	19 11.56	−17 2.6	1.669	2.672	4.4	19.5
7 30	19 3.32	−17 45.3	1.727	2.693	8.3	19.8
8 9	18 57.05	−18 25.7	1.809	2.714	11.8	20.1
8 19	18 53.22	−19 2.1	1.912	2.734	14.8	20.3
443497 2014 JR_{32}			7 10.6 311°.83		0°.5/10.9 18	
6 10	19 41.75	−17 8.4	2.142	3.029	11.1	21.1
6 20	19 36.26	−18 8.3	2.071	3.026	7.9	20.8
6 30	19 29.07	−19 16.6	2.024	3.023	4.3	20.6
7 10	19 20.85	−20 29.5	2.005	3.021	0.6	20.3
7 20	19 12.41	−21 42.7	2.014	3.018	3.6	20.6
7 30	19 4.63	−22 52.2	2.051	3.016	7.3	20.8
8 9	18 58.34	−23 55.2	2.114	3.013	10.6	21.0
8 19	18 54.10	−24 50.2	2.199	3.011	13.5	21.2
491718 2012 UP_{153}			7 10.6 287°.51		7°.7/12.3 18	
6 10	19 42.26	− 3 32.4	1.834	2.685	14.3	21.7
6 20	19 36.80	− 2 42.5	1.752	2.667	11.7	21.5
6 30	19 29.44	− 2 8.0	1.692	2.650	9.2	21.3
7 10	19 20.88	− 1 51.5	1.655	2.632	7.7	21.1
7 20	19 12.02	− 1 53.9	1.644	2.614	8.3	21.1
7 30	19 3.86	− 2 14.2	1.657	2.597	10.6	21.2
8 9	18 57.32	− 2 49.1	1.693	2.579	13.5	21.4
8 19	18 53.05	− 3 34.6	1.749	2.562	16.4	21.5
195410 2002 GO_{38}			7 10.6 44°.66		2°.5/11.4 17	
6 10	19 43.19	−15 18.5	1.585	2.478	14.0	20.2
6 20	19 37.49	−15 20.7	1.529	2.485	10.1	20.0
6 30	19 29.75	−15 32.3	1.496	2.492	5.9	19.7
7 10	19 20.89	−15 51.6	1.487	2.500	2.6	19.5
7 20	19 11.98	−16 16.2	1.504	2.508	4.7	19.7
7 30	19 4.16	−16 43.6	1.547	2.516	8.8	19.9
8 9	18 58.33	−17 11.3	1.613	2.524	12.6	20.2
8 19	18 55.05	−17 37.6	1.699	2.533	15.9	20.4
473222 2015 KD_{141}			7 10.6 117°.67		2°.2/11.4 17	
6 10	19 43.86	−15 40.5	1.949	2.833	12.2	21.4
6 20	19 37.66	−15 39.2	1.889	2.841	8.8	21.2
6 30	19 29.75	−15 45.1	1.853	2.849	5.1	21.0
7 10	19 20.90	−15 56.8	1.844	2.857	2.3	20.9
7 20	19 12.01	−16 12.6	1.862	2.864	4.2	21.0
7 30	19 4.03	−16 30.8	1.907	2.872	7.7	21.2
8 9	18 57.75	−16 49.7	1.976	2.879	11.1	21.5
8 19	18 53.67	−17 8.2	2.067	2.886	14.0	21.7
38059 1999 CO_{38}			7 10.6 325°.37		1°.5/11.1 18	
6 10	19 42.30	−17 18.5	1.105	2.021	16.9	17.7
6 20	19 37.82	−17 44.2	1.039	2.007	12.2	17.4
6 30	19 30.35	−18 23.1	0.991	1.994	6.8	17.1
7 10	19 20.95	−19 11.6	0.966	1.982	1.6	16.7
7 20	19 11.07	−20 4.2	0.963	1.970	5.7	16.9
7 30	19 2.42	−20 55.6	0.982	1.959	11.4	17.2
8 9	18 56.48	−21 41.8	1.022	1.949	16.7	17.5
8 19	18 54.12	−22 20.6	1.078	1.940	21.1	17.7
471736 2012 UH_{41}			7 10.6 346°.61		3°.1/ 9.7 16	
6 10	19 42.56	−26 56.0	1.356	2.270	14.4	20.6
6 20	19 37.63	−27 39.9	1.294	2.263	10.3	20.3
6 30	19 30.08	−28 23.9	1.254	2.256	5.9	20.0
7 10	19 20.92	−29 2.3	1.237	2.250	3.1	19.8
7 20	19 11.52	−29 30.1	1.245	2.245	6.2	20.0
7 30	19 3.35	−29 44.9	1.276	2.241	10.7	20.3
8 9	18 57.64	−29 46.9	1.328	2.238	14.9	20.5
8 19	18 55.11	−29 38.3	1.399	2.235	18.5	20.7
347135 2010 NZ_{93}			7 10.6 99°.98		3°.8/11.5 17	
6 10	19 44.62	−13 6.8	1.899	2.777	12.8	20.3
6 20	19 38.20	−12 27.6	1.838	2.783	9.5	20.1
6 30	19 30.04	−11 56.4	1.801	2.789	6.1	19.9
7 10	19 20.95	−11 33.8	1.790	2.795	3.9	19.8
7 20	19 11.84	−11 19.8	1.806	2.801	5.2	19.9
7 30	19 3.68	−11 13.8	1.848	2.807	8.4	20.1
8 9	18 57.25	−11 14.3	1.915	2.813	11.6	20.3
8 19	18 53.06	−11 19.9	2.002	2.818	14.5	20.5
293202 2007 BC_{12}			7 10.7 105°.78		1°.9/ 9.9 18	
6 10	19 42.90	−26 53.8	2.292	3.185	10.3	21.0
6 20	19 36.95	−27 23.4	2.231	3.189	7.2	20.8
6 30	19 29.38	−27 51.8	2.194	3.194	4.0	20.6
7 10	19 20.91	−28 16.0	2.185	3.198	1.9	20.5
7 20	19 12.37	−28 33.5	2.204	3.202	4.1	20.6
7 30	19 4.64	−28 43.4	2.250	3.206	7.3	20.8
8 9	18 58.46	−28 45.6	2.321	3.210	10.2	21.0
8 19	18 54.33	−28 41.4	2.414	3.215	12.8	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
168794 2000 SV_{63}			7 10.7 224°.10	5°.4/ 8.8 18		
	h m	° ′			°	m
6 10	19 46.60	−37 32.2	2.211	3.092	11.1	19.9
6 20	19 39.77	−38 9.6	2.148	3.090	8.5	19.7
6 30	19 30.96	−38 38.0	2.110	3.088	6.3	19.6
7 10	19 21.02	−38 52.9	2.099	3.086	5.4	19.5
7 20	19 10.99	−38 51.8	2.113	3.084	6.7	19.6
7 30	19 1.99	−38 34.6	2.154	3.083	9.2	19.7
8 9	18 54.92	−38 3.7	2.219	3.081	11.7	19.9
8 19	18 50.33	−37 22.6	2.304	3.079	14.1	20.1
58897 1998 KZ			7 10.7 299°.14	19°.3/28.9 18		
6 10	19 59.36	−53 0.4	1.044	1.914	21.4	18.0
6 20	19 53.03	−56 35.4	1.009	1.906	19.8	17.9
6 30	19 40.03	−59 40.9	0.992	1.898	19.3	17.9
7 10	19 21.65	−61 54.9	0.993	1.891	20.1	17.9
7 20	19 1.31	−63 3.9	1.011	1.883	21.8	18.0
7 30	18 43.84	−63 8.5	1.044	1.876	24.0	18.1
8 9	18 32.98	−62 21.8	1.089	1.869	26.2	18.2
8 19	18 29.98	−61 0.1	1.143	1.862	28.3	18.4
398445 2011 UQ_{50}			7 10.7 176°.54	3°.4/ 9.1 18		
6 10	19 44.28	−31 25.5	2.468	3.355	9.8	21.6
6 20	19 37.94	−32 10.7	2.404	3.356	7.2	21.5
6 30	19 29.93	−32 52.1	2.365	3.357	4.6	21.3
7 10	19 20.96	−33 25.8	2.354	3.358	3.4	21.2
7 20	19 11.87	−33 49.3	2.372	3.358	5.0	21.3
7 30	19 3.54	−34 1.2	2.416	3.358	7.6	21.5
8 9	18 56.76	−34 2.4	2.486	3.358	10.3	21.7
8 19	18 52.05	−33 54.4	2.577	3.357	12.6	21.8
218264 2003 BO_{35}			7 10.7 277°.83	3°.0/11.2 18		
6 10	19 45.86	−15 45.1	1.662	2.550	13.7	19.9
6 20	19 39.62	−15 17.7	1.575	2.528	10.1	19.7
6 30	19 31.07	−14 56.8	1.511	2.506	6.1	19.4
7 10	19 21.04	−14 42.3	1.472	2.484	3.1	19.1
7 20	19 10.60	−14 33.7	1.460	2.461	5.3	19.2
7 30	19 1.01	−14 30.5	1.473	2.438	9.6	19.4
8 9	18 53.36	−14 31.6	1.510	2.415	13.7	19.6
8 19	18 48.41	−14 36.1	1.566	2.392	17.4	19.8
20491 Ericstrege			7 10.7 79°.78	0°.6/10.5 18		R
6 10	19 48.83	−24 2.8	1.372	2.276	15.0	18.3
6 20	19 41.72	−23 55.5	1.320	2.284	10.6	18.1
6 30	19 32.08	−23 48.2	1.290	2.293	5.6	17.8
7 10	19 21.09	−23 38.0	1.284	2.301	0.7	17.5
7 20	19 10.18	−23 23.4	1.304	2.309	5.0	17.8
7 30	19 0.77	−23 4.5	1.349	2.317	9.9	18.1
8 9	18 53.95	−22 42.5	1.416	2.326	14.2	18.4
8 19	18 50.28	−22 19.2	1.502	2.334	17.7	18.7
512358 2016 NH_{30}			7 10.7 236°.31	0°.3/10.7 17		
6 10	19 46.81	−22 23.4	1.936	2.827	12.0	21.2
6 20	19 39.88	−22 0.1	1.863	2.821	8.5	21.0
6 30	19 31.01	−21 37.0	1.814	2.815	4.5	20.7
7 10	19 21.05	−21 12.8	1.793	2.809	0.5	20.4
7 20	19 11.00	−20 47.1	1.799	2.803	4.0	20.7
7 30	19 1.91	−20 20.3	1.832	2.796	8.0	20.9
8 9	18 54.68	−19 53.2	1.890	2.790	11.7	21.1
8 19	18 49.86	−19 26.8	1.970	2.783	14.8	21.3
254340 2004 SW_{45}			7 10.7 266°.50	1°.7/11.2 18		
6 10	19 41.99	−17 12.3	2.498	3.378	10.0	20.5
6 20	19 36.23	−16 58.1	2.412	3.363	7.2	20.3
6 30	19 29.02	−16 47.8	2.352	3.347	4.2	20.1
7 10	19 20.93	−16 40.9	2.318	3.332	1.7	19.9
7 20	19 12.68	−16 36.6	2.314	3.316	3.5	20.0
7 30	19 5.02	−16 34.3	2.337	3.300	6.7	20.1
8 9	18 58.64	−16 33.5	2.386	3.284	9.7	20.3
8 19	18 54.04	−16 33.6	2.458	3.267	12.3	20.5
242445 2004 PP_{95}			7 10.7 19°.62	3°.1/ 9.5 17		
6 10	19 43.45	−25 19.2	1.264	2.180	15.2	19.3
6 20	19 38.30	−26 30.0	1.215	2.185	10.7	19.1
6 30	19 30.45	−27 43.2	1.188	2.190	6.0	18.8
7 10	19 21.03	−28 51.2	1.184	2.197	3.1	18.7
7 20	19 11.45	−29 47.3	1.205	2.205	6.4	18.9
7 30	19 3.27	−30 27.8	1.249	2.213	11.0	19.2
8 9	18 57.70	−30 52.2	1.314	2.222	15.2	19.5
8 19	18 55.38	−31 2.7	1.397	2.232	18.6	19.7
433110 2012 TE_{125}			7 10.7 323°.45	8°.4/ 7.1 18		
6 10	19 45.10	−37 13.0	1.404	2.308	14.8	19.7
6 20	19 39.95	−38 46.3	1.336	2.288	11.7	19.4
6 30	19 31.61	−40 12.2	1.288	2.268	9.1	19.2
7 10	19 21.12	−41 20.4	1.264	2.249	8.5	19.2
7 20	19 10.00	−42 3.2	1.263	2.231	10.5	19.2
7 30	19 0.11	−42 17.3	1.284	2.214	13.9	19.4
8 9	18 53.06	−42 5.2	1.324	2.197	17.4	19.5
8 19	18 49.78	−41 32.4	1.381	2.181	20.5	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
338617 2003 SQ_{226}			7 10.7 284°.49	4°.2/11.9 16		
	h m	° ′			°	m
6 10	19 42.46	−10 58.9	1.823	2.700	13.2	21.0
6 20	19 36.92	−10 44.0	1.749	2.692	10.0	20.8
6 30	19 29.51	−10 40.5	1.698	2.684	6.6	20.6
7 10	19 20.98	−10 48.4	1.672	2.676	4.3	20.4
7 20	19 12.24	−11 6.4	1.673	2.669	5.5	20.5
7 30	19 4.32	−11 32.5	1.699	2.661	8.8	20.7
8 9	18 58.08	−12 4.2	1.749	2.653	12.2	20.9
8 19	18 54.13	−12 38.6	1.820	2.645	15.3	21.1
458151 2010 JF_{77}			7 10.7 90°.52	0°.3/10.7 17		
6 10	19 48.19	−20 27.1	1.267	2.172	15.9	21.8
6 20	19 41.43	−20 44.9	1.218	2.183	11.2	21.5
6 30	19 32.01	−21 8.4	1.190	2.193	6.0	21.3
7 10	19 21.13	−21 33.5	1.187	2.203	0.5	20.9
7 20	19 10.26	−21 56.6	1.208	2.213	5.1	21.3
7 30	19 0.91	−22 15.1	1.253	2.223	10.3	21.6
8 9	18 54.23	−22 28.3	1.320	2.233	14.7	21.9
8 19	18 50.81	−22 36.6	1.406	2.243	18.4	22.1
321989 2010 UB_{61}			7 10.7 144°.99	2°.0/ 9.8 18		
6 10	19 42.72	−27 43.9	2.612	3.500	9.3	20.7
6 20	19 36.69	−28 13.3	2.549	3.506	6.6	20.6
6 30	19 29.22	−28 41.0	2.513	3.511	3.7	20.4
7 10	19 20.96	−29 4.3	2.504	3.516	2.0	20.3
7 20	19 12.63	−29 21.0	2.524	3.520	3.9	20.4
7 30	19 5.02	−29 30.2	2.572	3.525	6.7	20.6
8 9	18 58.78	−29 32.2	2.645	3.529	9.3	20.8
8 19	18 54.39	−29 27.8	2.741	3.533	11.6	20.9
181218 2005 SE_{255}			7 10.7 316°.09	4°.5/12.3 18		
6 10	19 40.79	− 8 55.4	2.063	2.930	12.3	20.1
6 20	19 35.55	− 8 43.0	1.992	2.927	9.4	20.0
6 30	19 28.70	− 8 42.5	1.944	2.923	6.5	19.8
7 10	19 20.93	− 8 53.8	1.921	2.920	4.6	19.6
7 20	19 13.03	− 9 15.8	1.926	2.917	5.4	19.7
7 30	19 5.84	− 9 46.6	1.956	2.914	8.1	19.8
8 9	19 0.11	−10 23.3	2.011	2.911	11.1	20.0
8 19	18 56.37	−11 3.1	2.088	2.908	13.8	20.2
39438 2218 $T\text{-}_3$			7 10.7 229°.35	3°.9/ 9.6 18		
6 10	19 50.55	−30 17.9	1.659	2.554	13.4	19.2
6 20	19 43.09	−30 54.8	1.587	2.544	9.8	19.0
6 30	19 32.98	−31 27.6	1.537	2.533	6.0	18.7
7 10	19 21.22	−31 50.5	1.513	2.521	3.9	18.6
7 20	19 9.15	−31 59.5	1.516	2.509	6.3	18.7
7 30	18 58.24	−31 53.4	1.545	2.497	10.3	18.9
8 9	18 49.74	−31 34.2	1.596	2.483	14.1	19.1
8 19	18 44.37	−31 5.6	1.667	2.469	17.5	19.3
391636 2007 VJ_{220}			7 10.7 232°.30	0°.8/10.9 18		
6 10	19 43.01	−19 6.5	2.085	2.974	11.3	21.5
6 20	19 37.15	−19 16.3	2.013	2.970	8.0	21.2
6 30	19 29.57	−19 30.6	1.966	2.966	4.4	21.0
7 10	19 21.00	−19 47.5	1.946	2.962	0.9	20.7
7 20	19 12.28	−20 5.0	1.954	2.958	3.7	21.0
7 30	19 4.35	−20 21.5	1.988	2.954	7.4	21.2
8 9	18 57.99	−20 36.0	2.048	2.949	10.8	21.4
8 19	18 53.76	−20 47.8	2.129	2.945	13.7	21.6
185822 2000 AU_4			7 10.7 216°.28	3°.1/ 9.5 18		
6 10	19 48.10	−27 56.1	1.863	2.756	12.2	20.8
6 20	19 41.13	−28 50.9	1.791	2.749	8.8	20.6
6 30	19 31.86	−29 45.0	1.744	2.742	5.1	20.3
7 10	19 21.16	−30 32.8	1.723	2.733	3.1	20.2
7 20	19 10.14	−31 9.8	1.730	2.724	5.6	20.3
7 30	19 0.07	−31 33.8	1.764	2.715	9.3	20.5
8 9	18 52.02	−31 44.8	1.821	2.705	12.8	20.7
8 19	18 46.71	−31 45.1	1.899	2.694	15.9	20.9
206988 2004 TL_{152}			7 10.7 119°.16	2°.5/11.4 17		
6 10	19 48.15	−15 29.1	1.529	2.417	14.7	21.0
6 20	19 41.00	−15 31.3	1.478	2.432	10.6	20.7
6 30	19 31.65	−15 42.7	1.449	2.446	6.2	20.5
7 10	19 21.14	−16 1.2	1.446	2.459	2.6	20.3
7 20	19 10.65	−16 24.3	1.469	2.472	4.9	20.5
7 30	19 1.43	−16 49.5	1.518	2.484	9.2	20.8
8 9	18 54.45	−17 14.7	1.590	2.496	13.1	21.1
8 19	18 50.24	−17 38.4	1.682	2.507	16.4	21.3
319308 2006 BG_{142}			7 10.7 41°.07	0°.9/10.4 17		
6 10	19 44.78	−23 20.1	1.627	2.528	13.2	20.9
6 20	19 38.73	−23 38.6	1.569	2.532	9.3	20.7
6 30	19 30.50	−23 59.0	1.534	2.536	4.9	20.5
7 10	19 21.07	−24 17.8	1.524	2.540	0.9	20.2
7 20	19 11.57	−24 32.1	1.541	2.545	4.5	20.5
7 30	19 3.20	−24 40.5	1.583	2.550	8.9	20.7
8 9	18 56.94	−24 42.9	1.648	2.554	12.7	21.0
8 19	18 53.35	−24 40.2	1.734	2.559	16.0	21.2

127042 2002 GV_{39} 7 10.7 82°.99 1°.2/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 44.47	−18 28.7	1.721	2.615	13.0	20.0
6 20	19 38.36	−18 31.7	1.661	2.619	9.3	19.8
6 30	19 30.26	−18 40.4	1.624	2.624	5.1	19.6
7 10	19 21.06	−18 52.8	1.613	2.629	1.3	19.3
7 20	19 11.79	−19 6.8	1.628	2.633	4.2	19.5
7 30	19 3.55	−19 20.7	1.670	2.638	8.4	19.8
8 9	18 57.25	−19 33.2	1.735	2.642	12.1	20.0
8 19	18 53.42	−19 43.8	1.821	2.647	15.3	20.3

288816 2004 RT_{177} 7 10.7 260°.14 3°.2/10.2 17

6 10	19 50.92	−29 25.2	1.389	2.291	15.0	20.3
6 20	19 43.60	−29 30.3	1.320	2.281	10.8	20.1
6 30	19 33.32	−29 29.5	1.272	2.271	6.3	19.8
7 10	19 21.27	−29 18.3	1.249	2.261	3.2	19.6
7 20	19 8.99	−28 53.9	1.251	2.251	6.2	19.7
7 30	18 58.16	−28 17.0	1.278	2.240	10.9	20.0
8 9	18 50.11	−27 31.3	1.326	2.229	15.4	20.2
8 19	18 45.56	−26 41.0	1.394	2.219	19.2	20.4

380813 2005 YU_{60} 7 10.7 208°.81 0°.4/10.5 18

6 10	19 45.08	−21 19.2	1.943	2.835	11.9	21.5
6 20	19 38.80	−21 56.9	1.872	2.831	8.4	21.3
6 30	19 30.54	−22 38.9	1.826	2.827	4.4	21.1
7 10	19 21.10	−23 21.5	1.806	2.822	0.5	20.7
7 20	19 11.44	−24 1.3	1.814	2.818	4.1	21.0
7 30	19 2.62	−24 35.4	1.849	2.812	8.1	21.2
8 9	18 55.57	−25 2.8	1.909	2.807	11.7	21.5
8 19	18 50.89	−25 23.4	1.990	2.801	14.7	21.7

327696 2006 SH_4 7 10.7 279°.66 2°.2/10.2 18

6 10	19 48.12	−26 58.9	1.483	2.386	14.2	20.4
6 20	19 41.52	−27 6.8	1.409	2.372	10.2	20.2
6 30	19 32.20	−27 12.3	1.357	2.358	5.7	19.9
7 10	19 21.22	−27 11.4	1.329	2.344	2.2	19.6
7 20	19 9.92	−27 1.2	1.327	2.329	5.5	19.8
7 30	18 59.82	−26 41.4	1.350	2.315	10.3	20.0
8 9	18 52.18	−26 13.9	1.395	2.300	14.7	20.3
8 19	18 47.75	−25 41.3	1.460	2.286	18.4	20.5

183613 2003 UP_{201} 7 10.7 212°.98 3°.8/11.8 18

6 10	19 45.85	−12 14.3	1.742	2.619	13.7	21.1
6 20	19 39.40	−12 6.1	1.669	2.614	10.3	20.9
6 30	19 30.89	−12 8.9	1.619	2.608	6.5	20.6
7 10	19 21.13	−12 22.1	1.595	2.602	3.9	20.4
7 20	19 11.15	−12 44.0	1.597	2.595	5.3	20.5
7 30	19 2.08	−13 12.3	1.626	2.588	9.0	20.7
8 9	18 54.86	−13 44.4	1.678	2.580	12.8	20.9
8 19	18 50.15	−14 17.9	1.751	2.572	16.0	21.1

402366 2005 WP_{42} 7 10.7 257°.28 1°.1/10.4 17

6 10	19 48.48	−23 12.2	1.375	2.279	15.0	22.0
6 20	19 41.95	−23 38.4	1.301	2.266	10.7	21.7
6 30	19 32.53	−24 8.1	1.249	2.252	5.8	21.4
7 10	19 21.25	−24 36.7	1.221	2.237	1.1	21.1
7 20	19 9.52	−24 59.7	1.219	2.223	5.5	21.3
7 30	18 58.95	−25 14.4	1.241	2.208	10.7	21.6
8 9	18 50.93	−25 20.7	1.284	2.192	15.4	21.8
8 19	18 46.29	−25 19.8	1.347	2.177	19.5	22.0

39863 1998 DL_{15} 7 10.7 216°.57 4°.8/ 9.3 18

6 10	19 50.18	−32 17.9	1.608	2.503	13.7	18.0
6 20	19 42.87	−33 2.5	1.543	2.499	10.1	17.8
6 30	19 32.88	−33 41.1	1.501	2.494	6.5	17.6
7 10	19 21.27	−34 7.2	1.485	2.488	4.8	17.5
7 20	19 9.43	−34 16.7	1.494	2.483	7.0	17.6
7 30	18 58.89	−34 8.7	1.529	2.477	10.7	17.8
8 9	18 50.87	−33 45.9	1.586	2.470	14.4	18.0
8 19	18 46.06	−33 12.4	1.662	2.463	17.6	18.2

192357 1995 UY_{16} 7 10.7 293°.83 4°.2/ 8.9 18

6 10	19 45.59	−29 53.6	1.690	2.591	12.9	19.8
6 20	19 39.74	−30 55.2	1.608	2.568	9.4	19.5
6 30	19 31.32	−31 55.9	1.550	2.546	5.9	19.2
7 10	19 21.18	−32 49.2	1.517	2.523	4.3	19.1
7 20	19 10.51	−33 29.5	1.510	2.501	6.7	19.2
7 30	19 0.72	−33 53.6	1.528	2.479	10.5	19.4
8 9	18 53.08	−34 1.8	1.569	2.456	14.3	19.5
8 19	18 48.43	−33 56.5	1.628	2.434	17.7	19.7

325531 2009 SY_{19} 7 10.7 1°.34 4°.1/ 9.8 17

6 10	19 43.00	−29 4.0	1.051	1.976	16.7	19.7
6 20	19 38.41	−29 32.0	1.000	1.973	12.0	19.4
6 30	19 30.69	−29 55.8	0.969	1.972	7.1	19.1
7 10	19 21.14	−30 9.2	0.960	1.972	4.1	19.0
7 20	19 11.49	−30 7.9	0.972	1.973	7.2	19.1
7 30	19 3.54	−29 51.5	1.006	1.976	12.2	19.4
8 9	18 58.64	−29 22.6	1.059	1.980	16.8	19.7
8 19	18 57.43	−28 45.1	1.128	1.986	20.7	20.0

20317 Hendrickson 7 10.7 176°.89 1°.8/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 46.03	−26 0.4	1.761	2.659	12.6	19.2
6 20	19 39.57	−26 18.4	1.698	2.660	8.9	19.0
6 30	19 30.97	−26 35.4	1.659	2.660	4.9	18.7
7 10	19 21.16	−26 48.1	1.645	2.660	1.8	18.5
7 20	19 11.26	−26 53.7	1.658	2.660	4.7	18.7
7 30	19 2.43	−26 51.4	1.698	2.660	8.7	19.0
8 9	18 55.65	−26 42.0	1.761	2.660	12.4	19.2
8 19	18 51.50	−26 27.0	1.844	2.660	15.5	19.4

501779 2014 VB_{10} 7 10.7 212°.72 7°.5/ 9.3 17

6 10	19 59.36	−43 25.0	2.012	2.868	13.1	21.9
6 20	19 49.10	−43 49.5	1.940	2.860	10.6	21.7
6 30	19 36.07	−43 57.4	1.892	2.851	8.4	21.5
7 10	19 21.49	−43 42.6	1.870	2.841	7.5	21.5
7 20	19 6.92	−43 2.4	1.875	2.830	8.7	21.5
7 30	18 53.95	−41 58.8	1.907	2.818	11.1	21.6
8 9	18 43.76	−40 37.7	1.962	2.806	13.8	21.8
8 19	18 36.97	−39 6.4	2.038	2.792	16.3	22.0

199991 2007 JX_{24} 7 10.7 312°.62 0°.3/10.8 17

6 10	19 43.51	−20 28.5	1.524	2.428	13.8	20.7
6 20	19 38.11	−20 42.1	1.451	2.415	9.9	20.5
6 30	19 30.35	−21 1.1	1.400	2.403	5.3	20.2
7 10	19 21.13	−21 22.6	1.374	2.391	0.5	19.8
7 20	19 11.60	−21 43.5	1.373	2.379	4.6	20.1
7 30	19 3.07	−22 1.5	1.397	2.368	9.4	20.3
8 9	18 56.65	−22 15.4	1.444	2.357	13.7	20.5
8 19	18 53.07	−22 24.9	1.510	2.346	17.4	20.8

492172 2013 PA_{58} 7 10.7 326°.45 3°.5/11.2 17

6 10	19 43.72	−16 22.2	1.190	2.099	16.5	21.2
6 20	19 38.63	−15 46.0	1.122	2.086	12.1	20.9
6 30	19 30.77	−15 18.1	1.074	2.073	7.3	20.6
7 10	19 21.17	−14 58.7	1.048	2.060	3.6	20.3
7 20	19 11.23	−14 47.6	1.045	2.049	6.2	20.4
7 30	19 2.52	−14 44.0	1.065	2.038	11.3	20.7
8 9	18 56.36	−14 46.5	1.105	2.028	16.1	20.9
8 19	18 53.52	−14 53.1	1.162	2.019	20.3	21.2

188502 Darrellstrobel 7 10.7 351°.00 0°.5/10.9 18

6 10	19 40.54	−19 46.1	1.683	2.586	12.8	20.2
6 20	19 35.76	−20 0.7	1.617	2.580	9.1	20.0
6 30	19 28.99	−20 20.8	1.573	2.575	4.9	19.8
7 10	19 21.05	−20 44.0	1.554	2.571	0.7	19.4
7 20	19 12.94	−21 7.5	1.561	2.567	4.2	19.7
7 30	19 5.75	−21 29.0	1.594	2.564	8.4	19.9
8 9	19 0.41	−21 47.2	1.650	2.562	12.3	20.2
8 19	18 57.53	−22 1.3	1.725	2.561	15.6	20.4

236597 2006 JB_6 7 10.7 252°.64 3°.7/11.9 18

6 10	19 42.88	−12 6.4	1.855	2.734	13.0	20.3
6 20	19 37.18	−11 57.8	1.787	2.732	9.7	20.1
6 30	19 29.67	−11 59.6	1.742	2.731	6.2	19.9
7 10	19 21.10	−12 11.4	1.723	2.729	3.7	19.7
7 20	19 12.40	−12 31.6	1.730	2.728	5.0	19.8
7 30	19 4.54	−12 58.2	1.763	2.726	8.4	20.0
8 9	18 58.37	−13 28.5	1.821	2.725	11.8	20.2
8 19	18 54.45	−14 0.3	1.899	2.723	14.8	20.4

168963 2001 BT_{32} 7 10.7 168°.33 1°.1/11.0 17

6 10	19 47.27	−18 24.3	1.805	2.692	12.9	20.4
6 20	19 40.32	−18 36.1	1.741	2.697	9.2	20.2
6 30	19 31.34	−18 53.7	1.701	2.700	5.0	19.9
7 10	19 21.21	−19 14.4	1.687	2.703	1.2	19.7
7 20	19 10.97	−19 35.9	1.701	2.706	4.2	19.9
7 30	19 1.74	−19 56.2	1.742	2.707	8.3	20.1
8 9	18 54.43	−20 14.0	1.807	2.708	12.1	20.4
8 19	18 49.64	−20 28.9	1.894	2.709	15.2	20.6

95207 2002 BG_{29} 7 10.7 16°.62 2°.6/ 9.2 18

6 10	19 41.52	−22 1.5	1.416	2.327	14.2	17.8
6 20	19 36.79	−24 4.5	1.369	2.337	9.9	17.6
6 30	19 29.67	−26 14.7	1.345	2.348	5.4	17.3
7 10	19 21.12	−28 22.5	1.348	2.361	2.7	17.2
7 20	19 12.34	−30 18.3	1.376	2.375	6.0	17.4
7 30	19 4.69	−31 55.6	1.430	2.389	10.3	17.7
8 9	18 59.30	−33 11.8	1.506	2.406	14.1	18.0
8 19	18 56.83	−34 7.4	1.602	2.423	17.3	18.3

437147 2012 VC_{18} 7 10.7 327°.93 6°.9/ 7.5 18

6 10	19 45.14	−34 32.7	1.539	2.441	13.8	20.2
6 20	19 39.67	−36 10.6	1.475	2.430	10.5	19.9
6 30	19 31.38	−37 43.5	1.435	2.420	7.7	19.8
7 10	19 21.24	−39 2.3	1.419	2.410	7.0	19.7
7 20	19 10.61	−39 59.7	1.427	2.400	9.1	19.8
7 30	19 1.11	−40 32.4	1.459	2.391	12.3	20.0
8 9	18 54.11	−40 41.8	1.512	2.383	15.7	20.1
8 19	18 50.47	−40 32.1	1.582	2.375	18.7	20.3

115862 2003 UK_{274} 7 10.7 281°.69 0°.3/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 44.98	−22 56.7	1.814	2.711	12.3	19.3
6 20	19 38.78	−22 58.4	1.745	2.706	8.7	19.1
6 30	19 30.56	−23 1.3	1.700	2.702	4.6	18.8
7 10	19 21.17	−23 3.2	1.681	2.697	0.4	18.5
7 20	19 11.65	−23 2.1	1.688	2.693	4.1	18.8
7 30	19 3.10	−22 57.4	1.722	2.688	8.3	19.0
8 9	18 56.46	−22 49.1	1.780	2.684	12.1	19.2
8 19	18 52.31	−22 38.1	1.859	2.680	15.3	19.4

92298 2000 EE_{165} 7 10.7 2°.78 5°.4/ 9.7 17

6 10	19 47.46	−31 21.4	1.048	1.968	17.2	19.1
6 20	19 41.68	−31 57.1	0.998	1.966	12.6	18.8
6 30	19 32.49	−32 25.5	0.967	1.966	7.9	18.6
7 10	19 21.30	−32 39.0	0.958	1.966	5.4	18.4
7 20	19 10.02	−32 33.0	0.970	1.967	8.2	18.6
7 30	19 0.62	−32 7.7	1.005	1.969	12.9	18.8
8 9	18 54.57	−31 27.4	1.058	1.972	17.5	19.1
8 19	18 52.51	−30 37.7	1.128	1.975	21.4	19.4

233274 2006 AK_{16} 7 10.7 127°.29 5°.3/13.3 18

6 10	19 42.98	− 5 25.0	1.902	2.758	13.7	20.1
6 20	19 37.19	− 5 45.0	1.838	2.764	10.7	19.9
6 30	19 29.66	− 6 22.2	1.797	2.770	7.6	19.7
7 10	19 21.13	− 7 15.3	1.781	2.776	5.4	19.6
7 20	19 12.48	− 8 21.5	1.792	2.782	6.0	19.7
7 30	19 4.66	− 9 36.3	1.830	2.787	8.6	19.8
8 9	18 58.45	−10 55.0	1.892	2.792	11.7	20.0
8 19	18 54.42	−12 13.1	1.977	2.797	14.5	20.2

275946 2001 UZ_{170} 7 10.7 291°.20 9°.8/ 6.9 18

6 10	19 50.80	−43 11.4	1.599	2.478	14.7	19.6
6 20	19 43.90	−44 36.7	1.536	2.465	12.1	19.4
6 30	19 33.72	−45 47.6	1.495	2.453	10.2	19.3
7 10	19 21.42	−46 34.5	1.477	2.440	9.9	19.2
7 20	19 8.67	−46 51.4	1.483	2.427	11.4	19.3
7 30	18 57.36	−46 37.5	1.511	2.415	13.9	19.4
8 9	18 49.05	−45 57.5	1.559	2.402	16.7	19.6
8 19	18 44.58	−44 58.4	1.624	2.390	19.3	19.7

113852 2002 TF_{245} 7 10.7 348°.66 11°.5/15.1 16

6 10	19 39.09	+ 5 13.9	1.562	2.387	17.6	19.6
6 20	19 34.79	+ 5 58.4	1.497	2.380	15.3	19.4
6 30	19 28.52	+ 6 16.0	1.451	2.375	13.1	19.3
7 10	19 21.07	+ 6 3.1	1.425	2.370	11.7	19.2
7 20	19 13.41	+ 5 19.4	1.421	2.366	11.7	19.1
7 30	19 6.60	+ 4 8.2	1.439	2.362	13.1	19.2
8 9	19 1.60	+ 2 36.4	1.477	2.360	15.4	19.4
8 19	18 59.00	+ 0 52.0	1.535	2.359	17.8	19.5

521545 2015 OM_{101} 7 10.7 33°.76 3°.8/ 9.8 18

6 10	19 46.23	−34 16.7	2.269	3.154	10.7	21.4
6 20	19 39.38	−34 24.0	2.206	3.156	7.9	21.3
6 30	19 30.76	−34 23.8	2.168	3.157	5.2	21.1
7 10	19 21.22	−34 13.1	2.157	3.159	3.8	21.0
7 20	19 11.71	−33 50.5	2.174	3.161	5.3	21.1
7 30	19 3.19	−33 16.9	2.217	3.163	8.0	21.3
8 9	18 56.48	−32 34.3	2.286	3.164	10.8	21.5
8 19	18 52.04	−31 45.9	2.376	3.166	13.2	21.7

335094 2004 TJ_{78} 7 10.7 275°.41 1°.8/10.4 18

6 10	19 48.88	−27 13.9	1.894	2.785	12.2	20.8
6 20	19 41.75	−27 10.6	1.801	2.759	8.7	20.6
6 30	19 32.29	−27 4.0	1.733	2.732	4.9	20.3
7 10	19 21.34	−26 50.9	1.690	2.705	1.8	20.0
7 20	19 10.01	−26 29.7	1.676	2.677	4.7	20.2
7 30	18 59.54	−26 0.2	1.688	2.649	8.9	20.4
8 9	18 51.04	−25 24.3	1.726	2.620	12.9	20.5
8 19	18 45.25	−24 44.6	1.783	2.591	16.3	20.7

478181 2011 UN_{202} 7 10.7 209°.73 2°.4/ 9.5 18

6 10	19 43.74	−28 57.9	2.761	3.646	9.0	22.8
6 20	19 37.51	−29 35.6	2.686	3.640	6.4	22.6
6 30	19 29.79	−30 11.3	2.638	3.633	3.8	22.5
7 10	19 21.18	−30 42.0	2.617	3.626	2.4	22.4
7 20	19 12.41	−31 5.3	2.626	3.619	4.1	22.5
7 30	19 4.25	−31 19.9	2.663	3.611	6.7	22.6
8 9	18 57.41	−31 26.0	2.726	3.602	9.3	22.8
8 19	18 52.38	−31 24.6	2.811	3.594	11.6	22.9

177928 2005 SK_{260} 7 10.7 103°.28 4°.3/12.6 17

6 10	19 41.09	− 8 6.7	2.163	3.025	12.0	20.5
6 20	19 35.72	− 8 12.1	2.097	3.029	9.2	20.3
6 30	19 28.84	− 8 30.1	2.055	3.033	6.4	20.2
7 10	19 21.12	− 8 59.9	2.039	3.037	4.4	20.0
7 20	19 13.29	− 9 39.8	2.050	3.042	5.1	20.1
7 30	19 6.17	−10 27.0	2.088	3.046	7.7	20.3
8 9	19 0.47	−11 18.2	2.151	3.049	10.5	20.5
8 19	18 56.66	−12 10.5	2.236	3.053	13.1	20.6

173559 2000 YV_{128} 7 10.7 150°.00 1°.1/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 47.24	−22 27.0	1.578	2.476	13.7	20.5
6 20	19 40.63	−23 10.6	1.519	2.481	9.7	20.3
6 30	19 31.66	−23 58.1	1.483	2.485	5.1	20.1
7 10	19 21.31	−24 44.5	1.472	2.488	1.1	19.8
7 20	19 10.80	−25 25.4	1.489	2.492	4.8	20.1
7 30	19 1.44	−25 57.8	1.531	2.495	9.3	20.3
8 9	18 54.32	−26 21.0	1.596	2.498	13.3	20.6
8 19	18 50.05	−26 35.6	1.681	2.500	16.7	20.8

369037 2008 AA_{115} 7 10.7 3°.09 3°.0/10.2 17

6 10	19 46.97	−28 25.9	1.213	2.127	15.8	20.3
6 20	19 40.92	−28 31.3	1.158	2.126	11.3	20.1
6 30	19 31.95	−28 32.1	1.124	2.126	6.4	19.8
7 10	19 21.33	−28 23.9	1.113	2.126	3.0	19.6
7 20	19 10.67	−28 4.3	1.125	2.127	6.2	19.8
7 30	19 1.62	−27 33.8	1.161	2.129	11.1	20.1
8 9	18 55.44	−26 55.6	1.217	2.132	15.6	20.3
8 19	18 52.74	−26 13.0	1.291	2.135	19.4	20.6

254145 2004 PQ_{73} 7 10.7 289°.24 3°.1/ 9.7 18

6 10	19 44.69	−30 58.8	2.179	3.071	10.8	20.2
6 20	19 38.47	−31 16.3	2.105	3.060	7.8	20.0
6 30	19 30.40	−31 29.3	2.054	3.049	4.8	19.8
7 10	19 21.23	−31 34.4	2.031	3.038	3.1	19.7
7 20	19 11.91	−31 29.5	2.035	3.028	5.0	19.8
7 30	19 3.46	−31 14.3	2.065	3.017	8.1	19.9
8 9	18 56.72	−30 50.0	2.120	3.007	11.2	20.1
8 19	18 52.28	−30 18.9	2.197	2.996	13.9	20.3

213327 2001 SM_{138} 7 10.7 305°.62 6°.2/12.7 18

6 10	19 40.84	− 5 31.7	1.878	2.738	13.7	20.3
6 20	19 35.84	− 5 9.3	1.799	2.724	10.9	20.1
6 30	19 29.05	− 5 2.2	1.742	2.711	8.1	19.9
7 10	19 21.15	− 5 11.4	1.709	2.698	6.4	19.8
7 20	19 13.00	− 5 36.5	1.702	2.685	6.9	19.8
7 30	19 5.55	− 6 15.2	1.720	2.672	9.4	19.9
8 9	18 59.65	− 7 3.9	1.761	2.659	12.5	20.1
8 19	18 55.92	− 7 58.5	1.823	2.647	15.4	20.3

118438 1999 UK_{17} 7 10.7 30°.72 5°.3/12.8 18

6 10	19 40.45	− 6 26.8	2.016	2.877	12.8	19.7
6 20	19 35.34	− 6 15.3	1.953	2.881	10.0	19.5
6 30	19 28.67	− 6 17.9	1.913	2.885	7.3	19.3
7 10	19 21.12	− 6 34.8	1.897	2.889	5.5	19.2
7 20	19 13.49	− 7 4.5	1.908	2.894	6.0	19.3
7 30	19 6.61	− 7 44.6	1.945	2.899	8.4	19.4
8 9	19 1.22	− 8 31.6	2.006	2.904	11.2	19.6
8 19	18 57.80	− 9 22.1	2.088	2.909	13.8	19.8

285500 2000 DR_{39} 7 10.7 226°.70 5°.3/12.6 18

6 10	19 44.33	− 7 15.6	1.806	2.669	14.0	21.2
6 20	19 38.35	− 7 13.1	1.730	2.661	10.9	21.0
6 30	19 30.40	− 7 26.3	1.676	2.653	7.7	20.8
7 10	19 21.25	− 7 54.8	1.648	2.645	5.5	20.6
7 20	19 11.83	− 8 37.1	1.646	2.636	6.3	20.7
7 30	19 3.21	− 9 29.8	1.669	2.627	9.3	20.8
8 9	18 56.29	−10 28.8	1.717	2.617	12.7	21.0
8 19	18 51.73	−11 30.0	1.786	2.607	15.8	21.2

404742 2014 JN_{28} 7 10.7 340°.79 0°.1/10.6 18

6 10	19 40.72	−17 28.7	1.674	2.573	13.0	19.6
6 20	19 36.10	−18 54.5	1.599	2.561	9.3	19.4
6 30	19 29.34	−20 33.0	1.547	2.549	5.0	19.1
7 10	19 21.18	−22 18.5	1.522	2.538	0.3	18.7
7 20	19 12.61	−24 3.9	1.524	2.529	4.4	19.0
7 30	19 4.80	−25 42.6	1.552	2.520	8.9	19.3
8 9	18 58.80	−27 9.8	1.605	2.511	13.0	19.5
8 19	18 55.36	−28 23.3	1.678	2.504	16.4	19.7

476520 2008 GU_{82} 7 10.7 110°.65 4°.4/12.6 18

6 10	19 40.71	− 7 38.5	2.310	3.168	11.5	21.3
6 20	19 35.38	− 7 34.3	2.245	3.173	8.9	21.2
6 30	19 28.64	− 7 42.0	2.203	3.178	6.2	21.0
7 10	19 21.13	− 8 1.1	2.187	3.183	4.5	20.9
7 20	19 13.54	− 8 30.3	2.199	3.187	5.1	21.0
7 30	19 6.62	− 9 7.4	2.238	3.192	7.4	21.1
8 9	19 1.02	− 9 49.7	2.301	3.197	10.1	21.3
8 19	18 57.19	−10 34.5	2.388	3.201	12.5	21.5

318533 2005 ER_{268} 7 10.7 107°.50 0°.2/10.8 18

6 10	19 44.21	−21 2.3	1.930	2.823	11.9	20.9
6 20	19 38.11	−21 9.1	1.867	2.826	8.4	20.7
6 30	19 30.18	−21 18.8	1.828	2.829	4.5	20.5
7 10	19 21.23	−21 29.3	1.816	2.832	0.4	20.1
7 20	19 12.21	−21 38.7	1.830	2.835	3.8	20.4
7 30	19 4.12	−21 45.7	1.872	2.838	7.8	20.7
8 9	18 57.78	−21 49.8	1.938	2.841	11.3	20.9
8 19	18 53.74	−21 51.1	2.025	2.843	14.2	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
182928 2002 FV_{26}			7 10.7 60°.30		1°.1/10.2 18	
	h m	° ′			°	m
6 10	19 43.19	−22 37.2	1.998	2.893	11.4	19.4
6 20	19 37.31	−23 29.7	1.952	2.912	8.0	19.2
6 30	19 29.72	−24 24.6	1.930	2.931	4.2	19.0
7 10	19 21.20	−25 17.9	1.935	2.950	1.1	18.8
7 20	19 12.67	−26 5.7	1.967	2.970	4.0	19.1
7 30	19 5.07	−26 45.7	2.027	2.989	7.6	19.4
8 9	18 59.18	−27 16.9	2.112	3.008	10.8	19.6
8 19	18 55.48	−27 39.6	2.218	3.028	13.5	19.8
164749 1998 TP_{22}			7 10.7 212°.75		2°.4/ 9.9 17	
6 10	19 45.34	−27 41.4	1.978	2.873	11.5	21.2
6 20	19 39.01	−28 11.3	1.912	2.871	8.2	21.0
6 30	19 30.71	−28 39.5	1.871	2.869	4.7	20.8
7 10	19 21.27	−29 2.1	1.855	2.867	2.4	20.6
7 20	19 11.70	−29 16.3	1.868	2.865	4.8	20.8
7 30	19 3.06	−29 20.9	1.906	2.863	8.3	21.0
8 9	18 56.27	−29 16.5	1.969	2.861	11.7	21.2
8 19	18 51.90	−29 4.8	2.053	2.858	14.5	21.4
384875 2012 SE_{45}			7 10.7 278°.65		1°.5/10.4 18	
6 10	19 46.79	−26 16.0	1.775	2.672	12.5	20.4
6 20	19 40.26	−26 16.8	1.697	2.657	8.9	20.2
6 30	19 31.48	−26 15.8	1.642	2.643	4.9	19.9
7 10	19 21.33	−26 9.8	1.613	2.628	1.6	19.6
7 20	19 10.94	−25 57.0	1.610	2.613	4.7	19.8
7 30	19 1.54	−25 37.2	1.634	2.598	8.9	20.0
8 9	18 54.17	−25 11.6	1.682	2.583	12.8	20.2
8 19	18 49.50	−24 42.2	1.750	2.568	16.2	20.4
94107 2000 YW_{82}			7 10.7 109°.74		4°.0/12.0 18	
6 10	19 42.45	− 9 35.5	2.537	3.395	10.6	19.3
6 20	19 36.40	− 9 5.7	2.479	3.409	8.1	19.2
6 30	19 29.11	− 8 44.6	2.447	3.424	5.6	19.1
7 10	19 21.17	− 8 32.5	2.442	3.438	4.0	19.0
7 20	19 13.24	− 8 29.0	2.464	3.451	4.7	19.1
7 30	19 6.02	− 8 33.3	2.515	3.465	6.9	19.2
8 9	19 0.07	− 8 43.7	2.591	3.478	9.4	19.4
8 19	18 55.80	− 8 58.6	2.690	3.491	11.6	19.6
432494 2010 EQ_{88}			7 10.7 35°.61		6°.3/ 9.8 16	
6 10	19 50.45	−37 40.2	1.585	2.475	14.1	20.4
6 20	19 42.94	−37 56.3	1.533	2.481	10.8	20.2
6 30	19 32.84	−37 59.1	1.504	2.487	7.7	20.0
7 10	19 21.41	−37 43.7	1.499	2.494	6.3	19.9
7 20	19 10.13	−37 8.3	1.520	2.501	7.8	20.1
7 30	19 0.48	−36 15.1	1.564	2.508	10.9	20.2
8 9	18 53.52	−35 9.1	1.632	2.515	14.1	20.5
8 19	18 49.77	−33 55.9	1.719	2.523	17.0	20.7
24784 1993 TV_{12}			7 10.7 203°.06		4°.1/ 8.9 18	
6 10	19 46.46	−32 58.4	2.298	3.183	10.5	18.5
6 20	19 39.72	−33 46.3	2.230	3.180	7.8	18.3
6 30	19 31.08	−34 29.2	2.188	3.176	5.2	18.1
7 10	19 21.31	−35 2.7	2.172	3.172	4.1	18.1
7 20	19 11.36	−35 23.6	2.185	3.167	5.7	18.2
7 30	19 2.25	−35 30.8	2.224	3.162	8.4	18.3
8 9	18 54.86	−35 25.4	2.288	3.157	11.2	18.5
8 19	18 49.78	−35 9.9	2.373	3.151	13.6	18.7
312695 2010 OE_{6}			7 10.7 287°.37		2°.6/11.7 18	
6 10	19 41.12	−13 45.6	2.196	3.075	11.2	20.9
6 20	19 35.87	−13 45.5	2.113	3.061	8.3	20.7
6 30	19 29.01	−13 53.5	2.055	3.046	5.1	20.5
7 10	19 21.17	−14 8.9	2.022	3.032	2.7	20.3
7 20	19 13.11	−14 30.1	2.018	3.018	4.1	20.4
7 30	19 5.68	−14 55.4	2.040	3.004	7.4	20.6
8 9	18 59.64	−15 22.8	2.087	2.990	10.6	20.7
8 19	18 55.53	−15 50.7	2.156	2.976	13.5	20.9
19114 1981 EP_{37}			7 10.7 269°.35		0°.7/10.9 18	
6 10	19 44.96	−19 56.6	1.798	2.691	12.6	19.3
6 20	19 38.90	−19 59.4	1.719	2.678	9.0	19.0
6 30	19 30.74	−20 6.3	1.664	2.665	4.9	18.7
7 10	19 21.29	−20 15.5	1.635	2.651	0.8	18.4
7 20	19 11.57	−20 24.8	1.632	2.637	4.2	18.6
7 30	19 2.71	−20 32.8	1.656	2.623	8.5	18.9
8 9	18 55.71	−20 38.8	1.704	2.609	12.4	19.1
8 19	18 51.20	−20 42.5	1.772	2.595	15.8	19.3
504843 2010 RT_{164}			7 10.7 319°.84		0°.5/10.6 17	
6 10	19 42.88	−22 13.4	1.087	2.008	16.6	20.8
6 20	19 38.59	−22 27.5	1.010	1.983	12.0	20.4
6 30	19 31.08	−22 47.3	0.953	1.958	6.5	20.0
7 10	19 21.34	−23 8.9	0.917	1.933	0.7	19.6
7 20	19 10.88	−23 27.7	0.903	1.910	6.0	19.9
7 30	19 1.60	−23 40.5	0.911	1.887	12.1	20.1
8 9	18 55.15	−23 46.3	0.937	1.866	17.7	20.3
8 19	18 52.55	−23 45.5	0.980	1.846	22.5	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
40220 1998 SH_{122}			7 10.7 299°.72		2°.4/11.5 18	
	h m	° ′			°	m
6 10	19 41.01	−15 0.5	2.194	3.076	11.1	18.6
6 20	19 35.79	−14 54.1	2.112	3.062	8.1	18.4
6 30	19 28.97	−14 54.5	2.054	3.048	4.9	18.2
7 10	19 21.18	−15 1.0	2.023	3.034	2.4	18.0
7 20	19 13.19	−15 12.4	2.019	3.020	4.0	18.1
7 30	19 5.85	−15 27.5	2.042	3.006	7.3	18.3
8 9	18 59.90	−15 44.6	2.089	2.993	10.6	18.4
8 19	18 55.89	−16 2.4	2.159	2.979	13.4	18.6
424436 2008 CG_{15}			7 10.7 206°.12		0°.4/10.6 17	
6 10	19 47.30	−21 41.0	1.770	2.663	12.8	22.2
6 20	19 40.56	−22 7.1	1.700	2.659	9.1	22.0
6 30	19 31.63	−22 37.0	1.653	2.654	4.8	21.7
7 10	19 21.38	−23 6.9	1.633	2.649	0.5	21.4
7 20	19 10.90	−23 33.8	1.640	2.644	4.3	21.7
7 30	19 1.38	−23 55.2	1.673	2.638	8.7	21.9
8 9	18 53.86	−24 10.5	1.731	2.631	12.6	22.1
8 19	18 48.97	−24 20.1	1.809	2.624	15.8	22.3
510083 2010 KC_{114}			7 10.7 296°.15		2°.3/10.2 18	
6 10	19 46.11	−29 31.2	2.121	3.012	11.1	21.2
6 20	19 39.39	−29 28.2	2.052	3.009	7.9	21.0
6 30	19 30.85	−29 20.5	2.009	3.006	4.6	20.8
7 10	19 21.32	−29 5.8	1.992	3.004	2.3	20.6
7 20	19 11.75	−28 42.9	2.003	3.001	4.4	20.8
7 30	19 3.15	−28 12.1	2.041	2.998	7.8	21.0
8 9	18 56.35	−27 35.5	2.104	2.996	11.0	21.2
8 19	18 51.85	−26 55.1	2.189	2.993	13.8	21.4
250765 2005 SR_{259}			7 10.7 280°.03		3°.4/12.3 18	
6 10	19 41.09	−10 14.3	2.186	3.055	11.7	20.5
6 20	19 35.89	−10 31.9	2.100	3.039	8.8	20.3
6 30	19 29.06	−11 1.5	2.038	3.023	5.8	20.1
7 10	19 21.21	−11 42.0	2.002	3.008	3.6	19.9
7 20	19 13.09	−12 31.3	1.994	2.992	4.6	20.0
7 30	19 5.54	−13 26.2	2.013	2.976	7.6	20.1
8 9	18 59.35	−14 23.6	2.058	2.960	10.8	20.3
8 19	18 55.10	−15 20.6	2.125	2.944	13.6	20.5
476886 2008 VW_{66}			7 10.7 213°.95		1°.7/11.3 18	
6 10	19 44.19	−16 49.8	2.034	2.918	11.8	22.0
6 20	19 38.08	−16 51.1	1.961	2.914	8.5	21.8
6 30	19 30.20	−16 58.5	1.913	2.909	4.9	21.5
7 10	19 21.29	−17 10.6	1.891	2.905	1.8	21.3
7 20	19 12.22	−17 25.7	1.896	2.900	3.9	21.5
7 30	19 3.94	−17 42.1	1.929	2.895	7.6	21.7
8 9	18 57.28	−17 58.5	1.987	2.889	11.1	21.9
8 19	18 52.79	−18 14.0	2.067	2.883	14.1	22.1
481186 2005 UU_{333}			7 10.7 307°.66		7°.0/12.9 16	
6 10	19 40.88	− 2 4.5	2.205	3.042	12.7	21.2
6 20	19 35.60	− 1 19.9	2.134	3.038	10.5	21.0
6 30	19 28.83	− 0 49.8	2.086	3.034	8.4	20.9
7 10	19 21.20	− 0 36.1	2.062	3.031	7.1	20.8
7 20	19 13.44	− 0 39.0	2.064	3.027	7.5	20.8
7 30	19 6.34	− 0 57.4	2.092	3.024	9.2	20.9
8 9	19 0.59	− 1 28.5	2.143	3.020	11.5	21.1
8 19	18 56.69	− 2 8.6	2.216	3.017	13.7	21.2
335946 2007 TF_{71}			7 10.7 112°.56		18°.9/15.7 18	
6 10	19 47.52	+13 10.7	1.172	1.965	24.1	20.5
6 20	19 41.15	+15 19.7	1.130	1.972	22.0	20.4
6 30	19 32.08	+16 49.2	1.104	1.979	20.2	20.3
7 10	19 21.42	+17 30.7	1.095	1.986	19.1	20.3
7 20	19 10.62	+17 20.9	1.102	1.992	19.0	20.3
7 30	19 1.20	+16 23.1	1.126	1.998	20.0	20.4
8 9	18 54.40	+14 47.3	1.167	2.004	21.5	20.5
8 19	18 50.89	+12 45.9	1.223	2.010	23.4	20.7
357933 2005 XV_{46}			7 10.7 9°.10		3°.5/ 9.2 18	
6 10	19 43.10	−29 54.1	2.030	2.927	11.2	20.2
6 20	19 37.47	−30 47.0	1.970	2.928	8.1	20.0
6 30	19 29.93	−31 37.3	1.934	2.929	5.0	19.8
7 10	19 21.28	−32 20.2	1.924	2.930	3.5	19.7
7 20	19 12.48	−32 52.3	1.941	2.932	5.4	19.8
7 30	19 4.57	−33 11.7	1.985	2.934	8.6	20.0
8 9	18 58.43	−33 18.9	2.052	2.936	11.6	20.2
8 19	18 54.63	−33 15.7	2.140	2.938	14.2	20.4
511586 2014 YW_{6}			7 10.7 107°.30		0°.7/10.9 17	
6 10	19 47.51	−20 36.6	1.619	2.514	13.6	20.8
6 20	19 40.61	−20 29.7	1.563	2.523	9.7	20.6
6 30	19 31.57	−20 26.1	1.531	2.532	5.2	20.4
7 10	19 21.39	−20 23.8	1.525	2.541	0.8	20.1
7 20	19 11.23	−20 21.2	1.545	2.550	4.4	20.4
7 30	19 2.28	−20 17.5	1.591	2.558	8.8	20.6
8 9	18 55.49	−20 12.6	1.660	2.566	12.6	20.9
8 19	18 51.39	−20 6.8	1.750	2.575	15.9	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
288884 2004 RU_{246}			7 10.7 257.°60		2.°8/11.6 18	
	h m	° ′			°	m
6 10	19 41.72	−13 5.3	2.611	3.480	10.0	21.3
6 20	19 36.09	−12 48.7	2.523	3.464	7.4	21.1
6 30	19 29.08	−12 38.5	2.460	3.447	4.8	20.9
7 10	19 21.24	−12 34.6	2.424	3.430	2.9	20.8
7 20	19 13.21	−12 36.3	2.417	3.413	4.0	20.8
7 30	19 5.71	−12 42.8	2.437	3.396	6.7	21.0
8 9	18 59.39	−12 53.0	2.484	3.378	9.5	21.1
8 19	18 54.73	−13 5.7	2.553	3.360	12.0	21.3
127162 2002 GF_{144}			7 10.7 159.°80		5.°8/ 7.9 18	
6 10	19 47.98	−34 18.2	1.872	2.763	12.3	19.4
6 20	19 41.22	−35 45.2	1.815	2.765	9.3	19.2
6 30	19 32.07	−37 6.3	1.783	2.767	6.6	19.1
7 10	19 21.45	−38 14.2	1.777	2.768	5.8	19.0
7 20	19 10.54	−39 3.6	1.797	2.770	7.6	19.1
7 30	19 0.68	−39 32.4	1.843	2.771	10.4	19.3
8 9	18 52.99	−39 42.1	1.912	2.773	13.4	19.5
8 19	18 48.16	−39 36.3	2.000	2.774	15.9	19.7
331478 1997 TR_{19}			7 10.7 349.°44		2.°7/10.2 17	
6 10	19 41.68	−26 32.1	1.085	2.010	16.3	19.5
6 20	19 37.53	−26 51.5	1.026	2.000	11.7	19.2
6 30	19 30.35	−27 10.3	0.987	1.991	6.5	18.9
7 10	19 21.34	−27 23.3	0.969	1.984	2.7	18.6
7 20	19 12.06	−27 26.3	0.974	1.978	6.4	18.8
7 30	19 4.26	−27 18.1	1.000	1.974	11.7	19.1
8 9	18 59.34	−26 59.8	1.045	1.971	16.5	19.4
8 19	18 58.00	−26 33.9	1.107	1.970	20.7	19.6
54190 2000 HT_{75}			7 10.7 335.°65		3.°4/11.7 18	
6 10	19 42.59	−13 41.0	1.372	2.270	15.4	18.1
6 20	19 37.58	−13 42.8	1.306	2.263	11.4	17.9
6 30	19 30.19	−13 57.8	1.261	2.257	7.0	17.6
7 10	19 21.33	−14 24.4	1.239	2.251	3.5	17.4
7 20	19 12.21	−15 0.0	1.242	2.245	5.5	17.5
7 30	19 4.15	−15 40.8	1.268	2.240	10.0	17.7
8 9	18 58.28	−16 23.3	1.317	2.236	14.3	18.0
8 19	18 55.31	−17 4.3	1.384	2.232	18.1	18.2
466110 2012 DR_{14}			7 10.7 57.°42		1.°1/10.4 16	
6 10	19 46.70	−22 17.7	1.269	2.179	15.6	21.8
6 20	19 40.46	−23 2.0	1.228	2.194	10.9	21.5
6 30	19 31.64	−23 50.4	1.207	2.211	5.8	21.3
7 10	19 21.42	−24 37.2	1.211	2.227	1.2	21.0
7 20	19 11.26	−25 17.3	1.239	2.244	5.3	21.4
7 30	19 2.62	−25 47.7	1.292	2.261	10.2	21.7
8 9	18 56.59	−26 7.9	1.366	2.278	14.4	22.0
8 19	18 53.74	−26 19.0	1.459	2.295	17.9	22.3
67602 2000 SR_{147}			7 10.7 114.°23		4.°4/ 9.6 18	
6 10	19 50.49	−30 49.3	1.458	2.359	14.5	18.3
6 20	19 43.13	−31 31.9	1.408	2.367	10.5	18.1
6 30	19 33.07	−32 8.9	1.380	2.376	6.5	17.9
7 10	19 21.52	−32 33.9	1.377	2.384	4.4	17.8
7 20	19 9.96	−32 43.1	1.399	2.392	6.8	17.9
7 30	18 59.92	−32 35.9	1.445	2.399	10.7	18.2
8 9	18 52.56	−32 15.3	1.514	2.407	14.5	18.4
8 19	18 48.49	−31 45.2	1.602	2.414	17.7	18.7
397408 2006 WL_{199}			7 10.7 93.°84		3.°9/11.9 18	
6 10	19 43.20	−10 20.1	2.362	3.225	11.1	21.4
6 20	19 37.00	− 9 50.5	2.310	3.243	8.4	21.3
6 30	19 29.47	− 9 29.9	2.282	3.261	5.7	21.1
7 10	19 21.28	− 9 18.4	2.281	3.280	4.0	21.0
7 20	19 13.14	− 9 15.5	2.308	3.297	4.8	21.1
7 30	19 5.78	− 9 20.3	2.362	3.315	7.2	21.3
8 9	18 59.80	− 9 31.0	2.442	3.332	9.7	21.5
8 19	18 55.61	− 9 45.9	2.544	3.350	12.1	21.7
273812 2007 FX_{32}			7 10.7 63.°65		6.°2/12.8 17	
6 10	19 43.61	− 6 54.6	1.574	2.445	15.3	20.1
6 20	19 37.84	− 6 34.1	1.523	2.457	11.9	19.9
6 30	19 30.11	− 6 30.6	1.493	2.469	8.5	19.7
7 10	19 21.33	− 6 44.2	1.487	2.482	6.3	19.6
7 20	19 12.54	− 7 13.3	1.506	2.494	7.0	19.7
7 30	19 4.82	− 7 54.7	1.550	2.507	9.8	19.9
8 9	18 59.04	− 8 43.8	1.616	2.520	13.1	20.1
8 19	18 55.73	− 9 36.5	1.703	2.533	16.0	20.3
389663 2011 OT_{56}			7 10.7 318.°88		1.°6/10.1 18	
6 10	19 43.10	−23 57.0	1.657	2.561	12.9	20.3
6 20	19 37.82	−24 39.9	1.584	2.549	9.1	20.0
6 30	19 30.29	−25 26.2	1.535	2.537	5.0	19.8
7 10	19 21.35	−26 11.2	1.511	2.526	1.6	19.5
7 20	19 12.09	−26 50.5	1.513	2.516	4.9	19.7
7 30	19 3.75	−27 21.1	1.541	2.505	9.2	19.9
8 9	18 57.40	−27 42.0	1.591	2.496	13.2	20.2
8 19	18 53.77	−27 53.7	1.661	2.486	16.6	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
397770 2008 GU_{100}			7 10.7 105.°08		4.°2/12.4 16	
	h m	° ′			°	m
6 10	19 41.13	− 8 29.0	2.346	3.206	11.3	21.2
6 20	19 35.66	− 8 16.2	2.283	3.213	8.7	21.0
6 30	19 28.83	− 8 14.2	2.244	3.220	6.0	20.9
7 10	19 21.25	− 8 22.8	2.231	3.228	4.3	20.8
7 20	19 13.62	− 8 41.0	2.246	3.235	5.0	20.8
7 30	19 6.68	− 9 7.0	2.288	3.242	7.3	21.0
8 9	19 1.05	− 9 38.5	2.355	3.249	9.9	21.2
8 19	18 57.17	−10 13.0	2.444	3.256	12.3	21.3
201623 2003 SE_{253}			7 10.7 238.°48		0.°2/10.8 18	
6 10	19 44.85	−21 1.8	1.946	2.838	11.9	21.4
6 20	19 38.68	−21 8.6	1.873	2.832	8.4	21.2
6 30	19 30.59	−21 18.4	1.824	2.825	4.5	21.0
7 10	19 21.38	−21 29.1	1.802	2.819	0.4	20.6
7 20	19 11.99	−21 38.6	1.807	2.812	3.9	20.9
7 30	19 3.47	−21 45.6	1.839	2.805	7.9	21.1
8 9	18 56.68	−21 49.7	1.896	2.798	11.5	21.3
8 19	18 52.23	−21 50.8	1.974	2.791	14.6	21.5
446402 2014 HV_{189}			7 10.7 5.°57		0.°2/10.8 18	
6 10	19 41.54	−20 23.8	1.842	2.740	12.1	21.2
6 20	19 36.37	−20 41.7	1.779	2.740	8.5	21.0
6 30	19 29.35	−21 3.9	1.739	2.741	4.6	20.8
7 10	19 21.29	−21 28.0	1.726	2.742	0.4	20.5
7 20	19 13.11	−21 51.4	1.739	2.744	3.9	20.8
7 30	19 5.82	−22 12.0	1.778	2.746	7.9	21.0
8 9	19 0.27	−22 28.8	1.841	2.749	11.5	21.2
8 19	18 57.01	−22 41.2	1.925	2.752	14.5	21.4
260455 2005 AQ_{31}			7 10.7 222.°08		1.°1/11.1 18	
6 10	19 46.84	−17 28.1	1.615	2.506	13.9	21.0
6 20	19 40.43	−17 57.3	1.542	2.500	10.0	20.8
6 30	19 31.67	−18 35.3	1.493	2.493	5.5	20.5
7 10	19 21.46	−19 18.9	1.469	2.485	1.2	20.2
7 20	19 10.93	−20 4.1	1.472	2.477	4.5	20.4
7 30	19 1.36	−20 47.2	1.501	2.469	9.2	20.7
8 9	18 53.86	−21 25.9	1.554	2.460	13.4	20.9
8 19	18 49.13	−21 59.0	1.627	2.451	16.9	21.1
280575 2004 TX_{131}			7 10.7 253.°51		1.°8/10.1 18	
6 10	19 46.00	−25 22.1	1.990	2.883	11.6	21.0
6 20	19 39.65	−25 58.8	1.908	2.867	8.2	20.8
6 30	19 31.20	−26 36.5	1.850	2.850	4.6	20.5
7 10	19 21.43	−27 11.4	1.819	2.834	1.8	20.3
7 20	19 11.31	−27 39.9	1.816	2.816	4.6	20.4
7 30	19 1.96	−27 59.7	1.840	2.799	8.4	20.6
8 9	18 54.38	−28 10.6	1.888	2.781	12.1	20.8
8 19	18 49.25	−28 13.5	1.957	2.762	15.2	21.0
6715 Sheldonmarks			7 10.7 49.°06		2.°0/10.1 18	
6 10	19 45.80	−26 26.5	1.763	2.662	12.5	17.9
6 20	19 39.50	−26 50.5	1.701	2.662	8.9	17.7
6 30	19 31.07	−27 13.5	1.662	2.662	4.9	17.4
7 10	19 21.42	−27 31.7	1.649	2.663	2.0	17.3
7 20	19 11.65	−27 42.2	1.663	2.663	4.8	17.4
7 30	19 2.95	−27 44.0	1.702	2.664	8.8	17.7
8 9	18 56.29	−27 37.6	1.765	2.664	12.4	17.9
8 19	18 52.24	−27 24.7	1.849	2.665	15.5	18.1
165585 2001 EY_{22}			7 10.7 206.°36		2.°6/11.7 17	
6 10	19 43.18	−13 53.6	1.934	2.815	12.4	20.5
6 20	19 37.44	−14 3.7	1.865	2.814	9.1	20.3
6 30	19 29.91	−14 23.2	1.819	2.813	5.5	20.1
7 10	19 21.34	−14 50.6	1.800	2.811	2.7	19.9
7 20	19 12.60	−15 23.6	1.808	2.809	4.3	20.0
7 30	19 4.67	−15 59.7	1.842	2.808	7.9	20.2
8 9	18 58.38	−16 36.3	1.901	2.806	11.4	20.4
8 19	18 54.29	−17 11.6	1.981	2.804	14.4	20.6
506394 2017 SK			7 10.7 295.°01		5.°6/ 8.9 17	
6 10	19 48.03	−31 0.5	1.273	2.183	15.5	20.8
6 20	19 42.23	−32 5.1	1.198	2.161	11.5	20.5
6 30	19 33.06	−33 7.7	1.143	2.139	7.5	20.2
7 10	19 21.58	−33 59.4	1.112	2.117	5.6	20.0
7 20	19 9.38	−34 32.4	1.104	2.096	8.4	20.1
7 30	18 58.40	−34 43.4	1.119	2.074	13.0	20.3
8 9	18 50.34	−34 33.8	1.155	2.053	17.5	20.5
8 19	18 46.20	−34 8.4	1.206	2.032	21.5	20.7
312387 2008 EX_{138}			7 10.7 31.°37		5.°0/12.5 18	
6 10	19 41.03	− 7 56.2	2.062	2.926	12.5	20.6
6 20	19 35.77	− 7 34.0	1.998	2.929	9.7	20.5
6 30	19 28.95	− 7 24.1	1.957	2.933	6.9	20.3
7 10	19 21.28	− 7 26.8	1.942	2.936	5.1	20.2
7 20	19 13.52	− 7 41.2	1.953	2.940	5.8	20.3
7 30	19 6.52	− 8 5.6	1.990	2.944	8.2	20.4
8 9	19 0.99	− 8 37.3	2.051	2.948	11.0	20.6
8 19	18 57.41	− 9 13.3	2.134	2.953	13.6	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
255367 2005 WE_{107}			7 10.7 39°.64	0°.4/10.9 18		
	h m	° ′			°	m
6 10	19 42.03	−19 57.0	2.035	2.928	11.4	21.1
6 20	19 36.54	−20 12.8	1.975	2.934	8.0	20.9
6 30	19 29.38	−20 32.7	1.939	2.940	4.3	20.7
7 10	19 21.31	−20 54.4	1.929	2.946	0.5	20.4
7 20	19 13.16	−21 15.8	1.947	2.952	3.6	20.6
7 30	19 5.86	−21 35.0	1.991	2.958	7.3	20.9
8 9	19 0.16	−21 51.0	2.061	2.965	10.6	21.1
8 19	18 56.56	−22 3.5	2.151	2.972	13.5	21.3
145189 2005 JM_{24}			7 10.7 44°.73	1°.9/11.2 17		
6 10	19 45.39	−17 20.1	1.195	2.102	16.5	20.2
6 20	19 39.54	−17 24.1	1.152	2.117	11.8	20.0
6 30	19 31.15	−17 37.7	1.131	2.131	6.6	19.7
7 10	19 21.43	−17 58.0	1.132	2.147	2.1	19.5
7 20	19 11.78	−18 21.7	1.157	2.163	5.2	19.7
7 30	19 3.66	−18 45.9	1.205	2.179	10.2	20.1
8 9	18 58.12	−19 8.3	1.275	2.196	14.6	20.4
8 19	18 55.70	−19 27.7	1.363	2.213	18.2	20.6
338682 2003 TW_{17}			7 10.7 260°.01	1°.5/10.3 18		
6 10	19 45.71	−25 38.3	1.894	2.790	11.9	20.3
6 20	19 39.38	−25 50.8	1.822	2.782	8.5	20.1
6 30	19 31.00	−26 2.5	1.774	2.775	4.6	19.9
7 10	19 21.43	−26 10.6	1.752	2.767	1.5	19.6
7 20	19 11.67	−26 12.6	1.757	2.759	4.4	19.8
7 30	19 2.86	−26 7.8	1.788	2.751	8.3	20.0
8 9	18 55.92	−25 56.7	1.844	2.743	12.0	20.2
8 19	18 51.46	−25 40.7	1.921	2.734	15.1	20.4
490760 2010 TD_{174}			7 10.7 321°.13	5°.1/ 9.5 15		
6 10	19 45.78	−34 41.0	1.735	2.631	12.8	21.2
6 20	19 39.84	−35 2.6	1.655	2.609	9.7	20.9
6 30	19 31.42	−35 15.8	1.597	2.587	6.6	20.7
7 10	19 21.47	−35 15.6	1.565	2.566	5.1	20.5
7 20	19 11.20	−34 59.0	1.558	2.545	7.0	20.6
7 30	19 2.01	−34 25.7	1.575	2.525	10.4	20.8
8 9	18 55.06	−33 38.6	1.616	2.505	13.9	20.9
8 19	18 51.05	−32 42.0	1.675	2.486	17.1	21.1
330836 Orius			7 10.7 48°.25	0°.9/ 8.5 12 C		
6 10	19 26.83	−37 47.0	17.697	18.565	1.7	22.7
6 20	19 25.00	−37 55.2	17.649	18.582	1.3	22.7
6 30	19 22.98	−38 2.2	17.629	18.599	1.0	22.6
7 10	19 20.88	−38 7.6	17.636	18.616	0.9	22.6
7 20	19 18.77	−38 11.4	17.672	18.633	1.0	22.6
7 30	19 16.74	−38 13.4	17.735	18.650	1.4	22.7
8 9	19 14.88	−38 13.6	17.825	18.667	1.8	22.7
8 19	19 13.27	−38 12.0	17.939	18.684	2.1	22.8
182962 2002 JV_{118}			7 10.7 106°.85	0°.7/11.1 18		
6 10	19 42.28	−17 16.9	2.468	3.349	10.1	20.0
6 20	19 36.48	−17 58.7	2.410	3.363	7.1	19.9
6 30	19 29.28	−18 46.2	2.378	3.376	3.9	19.7
7 10	19 21.32	−19 36.7	2.374	3.390	0.8	19.5
7 20	19 13.29	−20 27.2	2.399	3.403	3.1	19.7
7 30	19 5.95	−21 15.3	2.452	3.416	6.3	19.9
8 9	18 59.93	−21 59.1	2.532	3.428	9.2	20.1
8 19	18 55.68	−22 37.6	2.634	3.441	11.7	20.3
401182 2011 WD_{103}			7 10.7 185°.50	2°.6/11.5 18		
6 10	19 42.85	−14 36.1	2.330	3.206	10.8	20.8
6 20	19 36.93	−14 13.7	2.260	3.206	7.9	20.7
6 30	19 29.54	−13 57.2	2.215	3.206	4.9	20.5
7 10	19 21.34	−13 46.5	2.196	3.205	2.7	20.3
7 20	19 13.07	−13 41.1	2.206	3.205	4.0	20.4
7 30	19 5.50	−13 40.2	2.243	3.204	7.0	20.6
8 9	18 59.33	−13 42.9	2.306	3.204	10.0	20.8
8 19	18 55.01	−13 48.1	2.391	3.203	12.5	21.0
64822 2001 XM_{240}			7 10.7 99°.62	0°.4/10.6 18		
6 10	19 43.36	−22 24.0	2.243	3.133	10.6	19.8
6 20	19 37.34	−22 40.3	2.185	3.143	7.4	19.6
6 30	19 29.76	−22 58.3	2.152	3.153	3.9	19.4
7 10	19 21.36	−23 15.6	2.147	3.163	0.4	19.1
7 20	19 12.92	−23 30.4	2.169	3.173	3.5	19.4
7 30	19 5.31	−23 41.3	2.219	3.183	6.9	19.7
8 9	18 59.23	−23 48.1	2.294	3.192	10.0	19.9
8 19	18 55.16	−23 50.9	2.392	3.202	12.6	20.1
3678 Mongmanwai			7 10.7 73°.43	3°.0/11.9 18 R		
6 10	19 45.27	−12 37.2	1.559	2.444	14.6	16.3
6 20	19 39.01	−13 2.1	1.514	2.464	10.7	16.1
6 30	19 30.74	−13 39.7	1.492	2.485	6.5	15.9
7 10	19 21.42	−14 27.1	1.495	2.506	3.2	15.8
7 20	19 12.16	−15 20.3	1.524	2.526	4.9	15.9
7 30	19 4.06	−16 15.1	1.579	2.547	8.7	16.2
8 9	18 58.02	−17 8.1	1.657	2.567	12.5	16.5
8 19	18 54.55	−17 56.7	1.757	2.587	15.6	16.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
288278 2003 YJ_{173}			7 10.7 162°.67	2°.2/ 9.9 18		
	h m	° ′			°	m
6 10	19 45.37	−26 59.1	2.018	2.911	11.4	21.2
6 20	19 39.02	−27 30.1	1.954	2.913	8.1	21.0
6 30	19 30.77	−28 0.0	1.916	2.915	4.5	20.8
7 10	19 21.43	−28 25.0	1.904	2.916	2.2	20.7
7 20	19 11.98	−28 42.2	1.919	2.918	4.6	20.8
7 30	19 3.46	−28 50.4	1.961	2.919	8.1	21.1
8 9	18 56.73	−28 50.1	2.028	2.920	11.4	21.3
8 19	18 52.36	−28 42.6	2.116	2.921	14.2	21.5
400925 2010 UU_{9}			7 10.7 299°.18	5°.5/12.5 18		
6 10	19 40.77	− 6 13.6	2.199	3.054	12.1	21.0
6 20	19 35.59	− 5 42.6	2.123	3.046	9.6	20.8
6 30	19 28.90	− 5 23.8	2.070	3.037	7.1	20.6
7 10	19 21.30	− 5 18.1	2.042	3.029	5.6	20.5
7 20	19 13.55	− 5 25.4	2.040	3.020	6.2	20.5
7 30	19 6.43	− 5 44.5	2.065	3.012	8.4	20.6
8 9	19 0.66	− 6 12.8	2.114	3.004	11.0	20.8
8 19	18 56.75	− 6 47.5	2.184	2.996	13.6	21.0
116909 2004 GG_{3}			7 10.7 215°.75	1°.9/11.3 17		
6 10	19 45.63	−16 46.2	1.667	2.558	13.6	20.3
6 20	19 39.42	−16 48.8	1.599	2.555	9.8	20.1
6 30	19 31.07	−16 59.0	1.554	2.552	5.6	19.8
7 10	19 21.46	−17 15.1	1.535	2.549	2.0	19.6
7 20	19 11.67	−17 34.7	1.542	2.546	4.5	19.8
7 30	19 2.86	−17 55.7	1.575	2.542	8.8	20.0
8 9	18 56.03	−18 16.4	1.631	2.539	12.7	20.2
8 19	18 51.79	−18 35.5	1.708	2.535	16.1	20.5
187553 2006 VG_{12}			7 10.7 210°.92	1°.0/10.4 17		
6 10	19 46.66	−22 50.6	1.669	2.566	13.2	20.8
6 20	19 40.25	−23 24.6	1.602	2.564	9.3	20.6
6 30	19 31.56	−24 1.8	1.559	2.561	5.0	20.3
7 10	19 21.50	−24 38.1	1.541	2.557	1.0	20.0
7 20	19 11.22	−25 9.5	1.550	2.554	4.6	20.3
7 30	19 1.96	−25 33.6	1.586	2.550	9.0	20.5
8 9	18 54.79	−25 49.7	1.644	2.546	13.0	20.8
8 19	18 50.38	−25 58.5	1.723	2.542	16.3	21.0
509329 2006 WP_{180}			7 10.7 159°.17	1°.0/11.1 18		
6 10	19 42.59	−18 18.6	2.459	3.341	10.1	22.3
6 20	19 36.72	−18 25.4	2.392	3.345	7.2	22.1
6 30	19 29.43	−18 36.4	2.350	3.348	4.0	21.9
7 10	19 21.35	−18 50.1	2.336	3.352	1.1	21.7
7 20	19 13.20	−19 4.8	2.351	3.355	3.2	21.9
7 30	19 5.74	−19 19.3	2.393	3.357	6.4	22.1
8 9	18 59.61	−19 32.6	2.461	3.360	9.4	22.3
8 19	18 55.29	−19 44.3	2.553	3.362	11.9	22.5
308505 2005 TN_{185}			7 10.7 25°.36	0°.5/10.6 18		
6 10	19 42.31	−22 6.4	1.806	2.706	12.2	20.5
6 20	19 36.93	−22 30.6	1.750	2.712	8.6	20.3
6 30	19 29.67	−22 57.8	1.716	2.719	4.5	20.0
7 10	19 21.37	−23 24.9	1.709	2.726	0.5	19.7
7 20	19 13.00	−23 49.0	1.728	2.733	4.0	20.0
7 30	19 5.60	−24 8.4	1.773	2.741	8.0	20.3
8 9	19 0.01	−24 22.0	1.842	2.749	11.6	20.5
8 19	18 56.77	−24 30.3	1.932	2.757	14.6	20.8
122895 2000 SB_{156}			7 10.7 234°.63	1°.6/11.3 18		
6 10	19 45.03	−17 0.0	2.114	2.995	11.5	20.8
6 20	19 38.75	−17 5.7	2.031	2.983	8.3	20.6
6 30	19 30.66	−17 17.5	1.973	2.970	4.7	20.3
7 10	19 21.46	−17 33.7	1.942	2.956	1.6	20.1
7 20	19 12.00	−17 52.4	1.939	2.942	3.9	20.2
7 30	19 3.25	−18 12.0	1.963	2.928	7.6	20.4
8 9	18 56.05	−18 31.1	2.013	2.913	11.1	20.6
8 19	18 50.99	−18 48.8	2.085	2.897	14.1	20.8
263112 2007 TB_{385}			7 10.7 327°.31	2°.9/ 9.9 17		
6 10	19 42.50	−25 14.8	1.037	1.963	16.8	20.2
6 20	19 38.48	−26 1.7	0.968	1.943	12.1	19.9
6 30	19 31.13	−26 53.3	0.919	1.924	6.8	19.5
7 10	19 21.51	−27 42.2	0.891	1.906	3.0	19.3
7 20	19 11.25	−28 21.5	0.885	1.889	7.0	19.4
7 30	19 2.32	−28 46.3	0.900	1.873	12.8	19.7
8 9	18 56.42	−28 56.0	0.933	1.859	18.1	19.9
8 19	18 54.51	−28 52.5	0.983	1.846	22.6	20.2
100347 1995 SE_{69}			7 10.8 325°.88	5°.5/ 9.6 18		
6 10	19 47.24	−32 27.9	1.233	2.144	15.8	19.1
6 20	19 41.49	−33 1.1	1.168	2.132	11.7	18.8
6 30	19 32.54	−33 26.8	1.125	2.121	7.6	18.5
7 10	19 21.60	−33 38.0	1.104	2.110	5.5	18.4
7 20	19 10.35	−33 30.1	1.105	2.099	8.0	18.5
7 30	19 0.63	−33 2.8	1.130	2.090	12.4	18.7
8 9	18 53.90	−32 19.8	1.175	2.081	16.7	18.9
8 19	18 50.92	−31 26.6	1.236	2.073	20.5	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
426597 2013 SJ_{36}			7 10.8	5°.95	2°.4/10.2	17
	h m	° ′			°	m
6 10	19 45.45	−26 17.8	1.195	2.112	15.8	20.8
6 20	19 39.94	−26 37.3	1.142	2.111	11.3	20.5
6 30	19 31.56	−26 56.0	1.109	2.112	6.2	20.2
7 10	19 21.53	−27 8.9	1.099	2.113	2.4	20.0
7 20	19 11.39	−27 12.3	1.112	2.115	6.0	20.2
7 30	19 2.79	−27 5.3	1.148	2.118	11.0	20.5
8 9	18 56.96	−26 49.3	1.205	2.122	15.5	20.8
8 19	18 54.55	−26 26.7	1.280	2.126	19.3	21.1
429431 2010 UX_{101}			7 10.8	303°.80	3°.4/11.4	18
6 10	19 44.75	−15 45.1	1.292	2.194	15.9	21.0
6 20	19 39.45	−15 22.2	1.213	2.173	11.8	20.7
6 30	19 31.41	−15 8.6	1.154	2.152	7.1	20.4
7 10	19 21.53	−15 3.8	1.119	2.131	3.4	20.1
7 20	19 11.14	−15 7.1	1.107	2.111	6.0	20.2
7 30	19 1.77	−15 16.6	1.119	2.091	11.0	20.4
8 9	18 54.78	−15 30.6	1.152	2.071	15.9	20.7
8 19	18 51.03	−15 47.0	1.202	2.052	20.1	20.9
372882 2010 XT_{83}			7 10.8	350°.93	12°.0/ 9.6	18
6 10	19 49.06	− 4 56.8	1.200	2.072	19.0	19.1
6 20	19 42.27	− 2 5.3	1.142	2.067	15.8	18.9
6 30	19 32.75	+ 0 32.0	1.106	2.062	13.1	18.8
7 10	19 21.64	+ 2 44.6	1.092	2.059	12.0	18.7
7 20	19 10.35	+ 4 24.4	1.102	2.057	13.3	18.7
7 30	19 0.42	+ 5 27.6	1.133	2.055	16.0	18.9
8 9	18 53.07	+ 5 57.0	1.183	2.054	19.1	19.1
8 19	18 49.01	+ 5 58.9	1.248	2.054	22.0	19.3
470722 2008 UK_{37}			7 10.8	201°.79	4°.8/12.3	17
6 10	19 43.79	− 7 19.6	2.432	3.281	11.3	22.0
6 20	19 37.59	− 6 53.8	2.355	3.277	8.8	21.8
6 30	19 29.94	− 6 38.3	2.302	3.272	6.4	21.7
7 10	19 21.44	− 6 33.9	2.276	3.266	4.8	21.6
7 20	19 12.79	− 6 40.1	2.278	3.260	5.5	21.6
7 30	19 4.77	− 6 55.8	2.307	3.253	7.7	21.7
8 9	18 58.05	− 7 19.1	2.362	3.246	10.3	21.9
8 19	18 53.11	− 7 47.5	2.439	3.238	12.7	22.0
511342 2014 EA_{28}			7 10.8	94°.68	0°.3/10.7	17
6 10	19 45.13	−22 16.5	2.066	2.956	11.3	22.1
6 20	19 38.64	−22 30.3	2.015	2.973	7.9	21.9
6 30	19 30.48	−22 45.8	1.988	2.989	4.2	21.7
7 10	19 21.47	−23 0.6	1.989	3.006	0.4	21.5
7 20	19 12.50	−23 12.6	2.018	3.022	3.6	21.8
7 30	19 4.48	−23 20.8	2.074	3.038	7.3	22.0
8 9	18 58.17	−23 24.9	2.154	3.053	10.5	22.3
8 19	18 54.03	−23 25.3	2.257	3.068	13.2	22.5
127779 2003 FN_{54}			7 10.8	101°.30	0°.3/10.9	17
6 10	19 45.57	−20 0.6	1.684	2.579	13.2	20.1
6 20	19 39.32	−20 22.6	1.626	2.586	9.3	19.8
6 30	19 31.00	−20 49.7	1.592	2.593	5.0	19.6
7 10	19 21.51	−21 18.7	1.584	2.600	0.5	19.3
7 20	19 11.95	−21 46.5	1.602	2.607	4.2	19.6
7 30	19 3.46	−22 10.7	1.647	2.614	8.5	19.9
8 9	18 56.97	−22 30.1	1.715	2.621	12.3	20.1
8 19	18 53.05	−22 44.8	1.804	2.628	15.5	20.3
521353 2015 LG_{46}			7 10.8	261°.73	0°.8/10.4	18
6 10	19 42.81	−22 5.1	2.178	3.070	10.8	21.2
6 20	19 37.19	−22 48.8	2.104	3.063	7.6	21.0
6 30	19 29.84	−23 36.2	2.055	3.056	4.0	20.8
7 10	19 21.44	−24 23.8	2.033	3.049	0.8	20.5
7 20	19 12.80	−25 8.2	2.039	3.042	3.8	20.7
7 30	19 4.85	−25 46.9	2.073	3.035	7.4	20.9
8 9	18 58.42	−26 18.5	2.131	3.028	10.7	21.1
8 19	18 54.08	−26 42.7	2.212	3.021	13.5	21.3
63691 2001 QY_{157}			7 10.8	217°.35	0°.9/11.1	18
6 10	19 43.29	−18 45.5	2.177	3.063	11.0	19.9
6 20	19 37.43	−18 55.0	2.105	3.060	7.8	19.7
6 30	19 29.92	−19 9.2	2.057	3.056	4.3	19.5
7 10	19 21.44	−19 26.1	2.037	3.052	1.0	19.2
7 20	19 12.82	−19 43.9	2.044	3.049	3.5	19.4
7 30	19 4.94	−20 0.9	2.079	3.044	7.2	19.6
8 9	18 58.57	−20 16.2	2.139	3.040	10.4	19.8
8 19	18 54.24	−20 29.0	2.221	3.036	13.3	20.0
361035 2005 WX_{121}			7 10.8	143°.15	2°.0/10.1	17
6 10	19 50.58	−24 27.9	1.565	2.461	14.0	21.4
6 20	19 43.06	−25 18.3	1.511	2.471	9.9	21.2
6 30	19 33.07	−26 10.2	1.481	2.481	5.4	21.0
7 10	19 21.68	−26 57.8	1.476	2.491	2.0	20.8
7 20	19 10.19	−27 36.4	1.498	2.499	5.2	21.0
7 30	18 59.99	−28 3.5	1.547	2.507	9.6	21.3
8 9	18 52.18	−28 19.3	1.618	2.514	13.5	21.5
8 19	18 47.40	−28 25.6	1.710	2.521	16.8	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
96865 1999 SA_{10}			7 10.8	266°.10	7°.0/ 7.4	18
	h m	° ′			°	m
6 10	19 49.83	−39 12.9	2.038	2.915	12.0	19.5
6 20	19 42.79	−40 29.6	1.958	2.893	9.6	19.3
6 30	19 33.12	−41 38.0	1.903	2.871	7.6	19.1
7 10	19 21.70	−42 30.8	1.873	2.849	7.1	19.1
7 20	19 9.72	−43 2.8	1.870	2.826	8.6	19.1
7 30	18 58.61	−43 11.8	1.891	2.802	11.2	19.2
8 9	18 49.66	−43 0.0	1.935	2.778	13.9	19.3
8 19	18 43.70	−42 31.7	1.998	2.754	16.5	19.5
347101 2010 HZ_{53}			7 10.8	81°.97	5°.1/12.1	18
6 10	19 44.32	− 8 41.9	2.054	2.915	12.6	20.6
6 20	19 37.97	− 7 57.9	2.002	2.932	9.7	20.5
6 30	19 30.10	− 7 25.0	1.974	2.949	6.9	20.3
7 10	19 21.46	− 7 4.2	1.973	2.966	5.2	20.3
7 20	19 12.88	− 6 55.3	1.998	2.982	5.9	20.3
7 30	19 5.19	− 6 57.4	2.050	2.999	8.3	20.5
8 9	18 59.08	− 7 8.2	2.126	3.016	11.0	20.7
8 19	18 54.98	− 7 25.4	2.224	3.032	13.5	20.9
384490 2010 CS_{65}			7 10.8	202°.34	4°.7/12.8	18
6 10	19 42.99	− 7 17.6	2.043	2.901	12.8	21.2
6 20	19 37.26	− 7 23.1	1.970	2.899	9.9	21.0
6 30	19 29.86	− 7 42.7	1.920	2.896	6.9	20.8
7 10	19 21.46	− 8 15.9	1.897	2.894	4.9	20.7
7 20	19 12.88	− 9 0.7	1.900	2.890	5.5	20.7
7 30	19 5.01	− 9 54.0	1.930	2.887	8.2	20.9
8 9	18 58.65	−10 52.2	1.985	2.883	11.3	21.1
8 19	18 54.34	−11 51.8	2.062	2.879	14.1	21.3
394313 2006 WV_{16}			7 10.8	149°.83	6°.0/ 7.8	18
6 10	19 46.98	−38 29.2	2.294	3.171	10.9	20.8
6 20	19 40.27	−39 39.0	2.238	3.174	8.5	20.6
6 30	19 31.53	−40 40.0	2.207	3.177	6.6	20.5
7 10	19 21.58	−41 27.0	2.202	3.180	6.0	20.5
7 20	19 11.44	−41 56.3	2.224	3.182	7.3	20.6
7 30	19 2.23	−42 7.0	2.272	3.185	9.5	20.7
8 9	18 54.88	−42 0.9	2.343	3.187	11.8	20.9
8 19	18 50.01	−41 41.3	2.434	3.189	13.9	21.0
308616 2005 WW_{127}			7 10.8	92°.60	4°.5/ 8.6	18
6 10	19 44.99	−34 3.5	2.311	3.197	10.5	20.7
6 20	19 38.71	−35 4.4	2.258	3.206	7.8	20.6
6 30	19 30.63	−35 59.5	2.230	3.214	5.4	20.4
7 10	19 21.51	−36 44.2	2.229	3.223	4.5	20.4
7 20	19 12.29	−37 15.1	2.255	3.231	6.0	20.5
7 30	19 3.94	−37 31.3	2.308	3.240	8.4	20.7
8 9	18 57.29	−37 33.8	2.385	3.248	11.0	20.8
8 19	18 52.87	−37 24.8	2.483	3.257	13.2	21.0
81587 2000 HC_{49}			7 10.8	2°.15	1°.1/10.4	18
6 10	19 43.78	−23 34.3	1.869	2.767	12.0	19.7
6 20	19 38.02	−24 2.4	1.805	2.767	8.4	19.5
6 30	19 30.32	−24 32.3	1.765	2.767	4.5	19.2
7 10	19 21.50	−25 0.7	1.751	2.767	1.1	19.0
7 20	19 12.54	−25 24.6	1.764	2.767	4.2	19.2
7 30	19 4.49	−25 42.2	1.803	2.767	8.1	19.5
8 9	18 58.26	−25 52.9	1.866	2.768	11.7	19.7
8 19	18 54.42	−25 57.3	1.950	2.768	14.7	19.9
131495 2001 SW_{236}			7 10.8	224°.09	3°.4/ 9.8	17
6 10	19 50.00	−28 5.3	1.469	2.370	14.4	20.7
6 20	19 43.02	−28 47.3	1.403	2.364	10.4	20.5
6 30	19 33.23	−29 27.5	1.359	2.358	6.1	20.2
7 10	19 21.72	−29 59.9	1.341	2.352	3.4	20.0
7 20	19 9.91	−30 19.7	1.347	2.345	6.2	20.2
7 30	18 59.37	−30 25.1	1.379	2.338	10.7	20.4
8 9	18 51.40	−30 17.5	1.433	2.330	14.8	20.6
8 19	18 46.74	−30 0.1	1.506	2.322	18.4	20.9
38700 2000 QL_{65}			7 10.8	292°.42	5°.5/ 8.9	18
6 10	19 47.93	−30 48.9	1.318	2.226	15.2	18.4
6 20	19 42.02	−31 59.9	1.249	2.212	11.2	18.1
6 30	19 32.93	−33 8.9	1.201	2.197	7.3	17.8
7 10	19 21.72	−34 6.9	1.177	2.182	5.5	17.7
7 20	19 9.94	−34 46.8	1.177	2.168	8.2	17.8
7 30	18 59.42	−35 4.9	1.200	2.153	12.5	18.0
8 9	18 51.73	−35 2.9	1.244	2.139	16.8	18.2
8 19	18 47.76	−34 44.9	1.304	2.125	20.5	18.4
310669 2002 ES_{160}			7 10.8	103°.40	2°.1/10.2	17
6 10	19 48.77	−25 4.1	1.418	2.321	14.7	20.9
6 20	19 41.93	−25 42.4	1.366	2.330	10.4	20.7
6 30	19 32.53	−26 21.4	1.337	2.339	5.7	20.4
7 10	19 21.68	−26 55.8	1.333	2.348	2.1	20.2
7 20	19 10.78	−27 21.2	1.355	2.357	5.4	20.5
7 30	19 1.28	−27 35.7	1.401	2.365	10.0	20.7
8 9	18 54.30	−27 39.9	1.470	2.373	14.1	21.0
8 19	18 50.47	−27 35.8	1.557	2.381	17.5	21.3

368879 2006 RU_{86} 7 10.8 355°.97 4°.0/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 38.53	−14 41.9	0.933	1.857	18.4	20.1
6 20	19 35.40	−14 27.9	0.880	1.850	13.6	19.8
6 30	19 29.32	−14 29.4	0.844	1.845	8.3	19.5
7 10	19 21.46	−14 45.6	0.828	1.841	4.1	19.3
7 20	19 13.34	−15 13.7	0.833	1.839	6.6	19.4
7 30	19 6.66	−15 49.5	0.858	1.839	11.9	19.7
8 9	19 2.78	−16 28.1	0.901	1.841	17.0	20.0
8 19	19 2.43	−17 5.4	0.961	1.845	21.3	20.3

262576 2006 VQ_{64} 7 10.8 215°.47 0°.8/10.5 18

6 10	19 47.31	−22 47.9	1.881	2.772	12.2	21.3
6 20	19 40.59	−23 14.7	1.807	2.765	8.7	21.1
6 30	19 31.75	−23 44.2	1.757	2.758	4.6	20.8
7 10	19 21.63	−24 12.6	1.734	2.750	0.8	20.5
7 20	19 11.26	−24 37.0	1.739	2.742	4.2	20.8
7 30	19 1.78	−24 55.2	1.771	2.733	8.4	21.0
8 9	18 54.19	−25 6.8	1.827	2.724	12.1	21.2
8 19	18 49.11	−25 12.5	1.904	2.714	15.3	21.4

476294 2007 VZ_{310} 7 10.8 269°.94 0°.2/10.7 18

6 10	19 43.71	−21 15.0	2.129	3.019	11.0	21.3
6 20	19 37.94	−21 41.3	2.043	3.001	7.9	21.1
6 30	19 30.32	−22 11.7	1.982	2.983	4.2	20.8
7 10	19 21.53	−22 43.2	1.947	2.964	0.3	20.5
7 20	19 12.43	−23 13.0	1.941	2.945	3.7	20.7
7 30	19 3.98	−23 39.1	1.962	2.926	7.6	20.9
8 9	18 57.06	−24 0.1	2.008	2.907	11.1	21.1
8 19	18 52.31	−24 15.9	2.075	2.887	14.2	21.3

510330 2011 SX_{48} 7 10.8 277°.27 0°.5/10.9 18

6 10	19 43.49	−20 4.9	1.985	2.877	11.7	22.0
6 20	19 37.75	−20 14.0	1.911	2.869	8.3	21.8
6 30	19 30.18	−20 27.1	1.861	2.861	4.5	21.5
7 10	19 21.52	−20 42.3	1.837	2.853	0.6	21.2
7 20	19 12.67	−20 57.2	1.840	2.845	3.8	21.4
7 30	19 4.61	−21 10.5	1.871	2.837	7.7	21.7
8 9	18 58.21	−21 21.1	1.925	2.829	11.3	21.9
8 19	18 54.04	−21 28.8	2.001	2.822	14.3	22.1

13167 1995 WC_{5} 7 10.8 191°.31 1°.6/11.3 18

6 10	19 44.56	−17 7.5	1.985	2.870	12.0	18.6
6 20	19 38.43	−17 8.3	1.916	2.870	8.6	18.4
6 30	19 30.50	−17 15.2	1.872	2.869	4.9	18.2
7 10	19 21.55	−17 26.5	1.853	2.868	1.7	17.9
7 20	19 12.47	−17 40.6	1.863	2.866	3.9	18.1
7 30	19 4.23	−17 55.8	1.899	2.865	7.7	18.3
8 9	18 57.65	−18 10.9	1.960	2.863	11.2	18.5
8 19	18 53.27	−18 24.9	2.042	2.861	14.2	18.7

39216 2000 XA_{48} 7 10.8 162°.69 4°.3/ 9.2 18

6 10	19 45.75	−34 37.2	2.296	3.181	10.6	19.7
6 20	19 39.24	−35 10.3	2.234	3.182	7.9	19.5
6 30	19 30.92	−35 36.7	2.197	3.183	5.4	19.4
7 10	19 21.58	−35 52.6	2.187	3.184	4.3	19.3
7 20	19 12.16	−35 55.5	2.203	3.184	5.7	19.4
7 30	19 3.66	−35 45.1	2.247	3.185	8.3	19.5
8 9	18 56.90	−35 23.2	2.314	3.185	11.0	19.7
8 19	18 52.42	−34 52.4	2.403	3.186	13.3	19.9

441973 2010 MN_{81} 7 10.8 257°.23 2°.0/10.2 16

6 10	19 46.26	−29 8.0	2.548	3.432	9.7	20.9
6 20	19 39.45	−29 5.6	2.462	3.415	7.0	20.7
6 30	19 31.00	−28 59.2	2.401	3.398	4.0	20.5
7 10	19 21.60	−28 46.7	2.368	3.380	2.0	20.4
7 20	19 12.04	−28 26.9	2.365	3.362	3.9	20.5
7 30	19 3.20	−27 59.9	2.389	3.344	7.0	20.6
8 9	18 55.84	−27 27.0	2.440	3.326	9.9	20.8
8 19	18 50.49	−26 50.1	2.514	3.307	12.5	20.9

511467 2014 KC_{70} 7 10.8 314°.18 3°.3/12.1 18

6 10	19 40.67	−11 45.9	2.029	2.907	12.1	21.2
6 20	19 35.73	−11 53.6	1.951	2.896	9.0	21.0
6 30	19 29.11	−12 12.3	1.897	2.886	5.8	20.8
7 10	19 21.46	−12 40.9	1.869	2.876	3.4	20.6
7 20	19 13.60	−13 17.5	1.867	2.866	4.6	20.6
7 30	19 6.41	−13 59.4	1.892	2.857	7.8	20.8
8 9	19 0.68	−14 43.7	1.941	2.848	11.1	21.0
8 19	18 56.99	−15 27.9	2.012	2.839	14.0	21.2

252764 2002 EB_{69} 7 10.8 84°.81 9°.4/16.5 18

6 10	19 40.84	+ 9 18.7	2.398	3.164	13.9	20.1
6 20	19 35.45	+ 9 44.5	2.347	3.182	12.2	20.0
6 30	19 28.78	+ 9 48.9	2.316	3.200	10.6	19.9
7 10	19 21.43	+ 9 30.6	2.308	3.217	9.6	19.9
7 20	19 14.08	+ 8 50.3	2.324	3.235	9.4	19.9
7 30	19 7.42	+ 7 50.7	2.364	3.252	10.2	20.0
8 9	19 2.05	+ 6 36.2	2.428	3.269	11.5	20.1
8 19	18 58.36	+ 5 12.1	2.513	3.286	13.0	20.2

7596 Yumi 7 10.8 350°.50 5°.9/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 45.53	−35 57.9	1.879	2.770	12.2	16.1
6 20	19 39.53	−36 57.6	1.819	2.768	9.3	15.9
6 30	19 31.25	−37 49.5	1.784	2.766	6.8	15.8
7 10	19 21.63	−38 27.6	1.773	2.764	5.9	15.7
7 20	19 11.81	−38 48.1	1.788	2.762	7.5	15.8
7 30	19 3.07	−38 49.9	1.828	2.761	10.2	16.0
8 9	18 56.45	−38 35.1	1.891	2.760	13.1	16.2
8 19	18 52.57	−38 7.2	1.973	2.760	15.7	16.3

269394 2009 QC_{45} 7 10.8 269°.83 0°.9/11.0 18

6 10	19 46.30	−19 9.9	1.710	2.602	13.2	21.7
6 20	19 40.13	−19 16.8	1.624	2.582	9.5	21.4
6 30	19 31.65	−19 29.3	1.561	2.561	5.3	21.1
7 10	19 21.67	−19 45.2	1.524	2.540	1.1	20.8
7 20	19 11.25	−20 2.0	1.513	2.518	4.4	21.0
7 30	19 1.65	−20 17.7	1.529	2.496	9.0	21.2
8 9	18 53.97	−20 31.2	1.568	2.474	13.3	21.4
8 19	18 48.97	−20 41.9	1.628	2.452	16.9	21.6

82391 2001 MU_{26} 7 10.8 316°.92 3°.5/11.9 18

6 10	19 42.33	−13 6.7	1.333	2.232	15.7	18.5
6 20	19 37.67	−13 19.9	1.258	2.215	11.7	18.2
6 30	19 30.46	−13 48.4	1.203	2.199	7.2	17.9
7 10	19 21.59	−14 30.7	1.172	2.183	3.6	17.7
7 20	19 12.25	−15 23.2	1.164	2.168	5.6	17.8
7 30	19 3.87	−16 21.4	1.181	2.154	10.4	18.0
8 9	18 57.71	−17 20.3	1.218	2.140	15.0	18.2
8 19	18 54.57	−18 16.1	1.275	2.127	19.1	18.4

313753 2003 UW_{370} 7 10.8 196°.98 2°.2/11.3 18

6 10	19 43.22	−15 54.6	2.651	3.524	9.7	20.7
6 20	19 37.10	−15 25.3	2.577	3.522	7.1	20.5
6 30	19 29.67	−14 59.9	2.529	3.521	4.3	20.3
7 10	19 21.52	−14 38.5	2.509	3.519	2.2	20.2
7 20	19 13.31	−14 21.0	2.517	3.517	3.6	20.3
7 30	19 5.74	−14 7.1	2.555	3.514	6.3	20.5
8 9	18 59.41	−13 56.5	2.618	3.512	9.1	20.6
8 19	18 54.75	−13 48.7	2.705	3.509	11.5	20.8

450102 2015 RJ_{100} 7 10.8 289°.29 0°.3/10.7 17

6 10	19 42.24	−21 48.7	2.249	3.140	10.5	21.3
6 20	19 36.83	−22 10.8	2.163	3.121	7.5	21.1
6 30	19 29.72	−22 36.1	2.102	3.103	4.0	20.8
7 10	19 21.54	−23 2.0	2.067	3.084	0.4	20.5
7 20	19 13.09	−23 26.2	2.061	3.065	3.6	20.7
7 30	19 5.25	−23 46.7	2.082	3.046	7.2	20.9
8 9	18 58.85	−24 2.7	2.128	3.027	10.6	21.1
8 19	18 54.46	−24 13.9	2.196	3.009	13.5	21.3

322112 2010 VB_{159} 7 10.8 338°.10 10°.6/13.1 17

6 10	19 39.40	− 3 16.7	1.071	1.958	19.6	19.6
6 20	19 35.84	− 2 16.0	1.007	1.943	16.2	19.3
6 30	19 29.56	− 1 40.3	0.960	1.929	12.9	19.1
7 10	19 21.54	− 1 34.7	0.932	1.917	10.8	18.9
7 20	19 13.09	− 2 0.5	0.924	1.906	11.3	18.9
7 30	19 5.76	− 2 54.8	0.936	1.896	14.3	19.1
8 9	19 0.89	− 4 9.9	0.966	1.887	18.0	19.2
8 19	18 59.31	− 5 37.0	1.013	1.880	21.8	19.5

377826 2006 BA_{101} 7 10.8 170°.03 1°.6/10.2 17

6 10	19 47.25	−26 11.5	2.208	3.095	10.8	22.2
6 20	19 40.24	−26 33.4	2.143	3.099	7.7	22.0
6 30	19 31.45	−26 54.2	2.103	3.102	4.2	21.8
7 10	19 21.66	−27 10.8	2.091	3.105	1.6	21.6
7 20	19 11.80	−27 20.9	2.108	3.107	4.1	21.8
7 30	19 2.81	−27 23.6	2.152	3.109	7.5	22.0
8 9	18 55.52	−27 19.4	2.221	3.110	10.6	22.2
8 19	18 50.45	−27 9.6	2.313	3.111	13.3	22.4

347865 2002 RE_{235} 7 10.8 253°.26 1°.9/11.4 18

6 10	19 43.60	−16 32.3	2.004	2.889	11.9	21.6
6 20	19 37.80	−16 30.9	1.929	2.882	8.6	21.4
6 30	19 30.22	−16 35.8	1.879	2.875	5.0	21.2
7 10	19 21.58	−16 45.9	1.855	2.868	2.0	21.0
7 20	19 12.77	−16 59.6	1.858	2.861	4.0	21.1
7 30	19 4.72	−17 15.2	1.888	2.854	7.7	21.3
8 9	18 58.28	−17 31.3	1.943	2.847	11.2	21.5
8 19	18 54.01	−17 46.8	2.019	2.840	14.2	21.7

380737 2005 SD_{39} 7 10.8 297°.42 1°.6/11.2 17

6 10	19 44.64	−17 44.7	1.490	2.389	14.4	21.5
6 20	19 39.22	−17 48.7	1.406	2.366	10.5	21.2
6 30	19 31.29	−18 0.8	1.343	2.343	5.9	20.9
7 10	19 21.69	−18 19.1	1.305	2.320	1.8	20.5
7 20	19 11.56	−18 40.9	1.291	2.297	4.9	20.7
7 30	19 2.30	−19 3.7	1.303	2.274	9.9	20.9
8 9	18 55.14	−19 25.5	1.337	2.251	14.5	21.1
8 19	18 50.92	−19 45.0	1.389	2.229	18.5	21.3

425635 2010 VU_{138} 7 10.8 236°.53 1°.1/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 47.27	−18 30.5	1.796	2.684	12.9	22.0
6 20	19 40.66	−18 38.3	1.716	2.671	9.3	21.7
6 30	19 31.88	−18 51.9	1.659	2.658	5.2	21.5
7 10	19 21.73	−19 9.1	1.629	2.644	1.2	21.1
7 20	19 11.25	−19 27.6	1.625	2.630	4.3	21.3
7 30	19 1.62	−19 45.3	1.649	2.615	8.6	21.6
8 9	18 53.87	−20 1.0	1.697	2.599	12.6	21.8
8 19	18 48.68	−20 14.3	1.765	2.583	16.0	22.0

74832 1999 TH_{26} 7 10.8 145°.44 5°.5/12.5 17

6 10	19 46.59	− 7 15.4	1.911	2.767	13.6	19.2
6 20	19 39.77	− 6 52.2	1.852	2.778	10.6	19.0
6 30	19 31.20	− 6 42.5	1.815	2.788	7.5	18.9
7 10	19 21.67	− 6 46.8	1.805	2.798	5.6	18.8
7 20	19 12.09	− 7 4.0	1.821	2.806	6.3	18.8
7 30	19 3.43	− 7 32.0	1.864	2.814	8.9	19.0
8 9	18 56.49	− 8 7.7	1.931	2.822	11.9	19.2
8 19	18 51.79	− 8 47.7	2.019	2.829	14.6	19.4

318918 2005 UH_{60} 7 10.8 250°.92 1°.3/11.3 17

6 10	19 42.59	−17 22.2	2.721	3.597	9.4	22.2
6 20	19 36.79	−17 21.9	2.630	3.579	6.8	22.0
6 30	19 29.60	−17 25.7	2.564	3.560	3.9	21.8
7 10	19 21.55	−17 32.6	2.526	3.541	1.4	21.5
7 20	19 13.30	−17 41.5	2.518	3.521	3.2	21.7
7 30	19 5.55	−17 51.3	2.538	3.501	6.2	21.8
8 9	18 58.96	−18 1.2	2.584	3.480	9.1	22.0
8 19	18 54.02	−18 10.5	2.654	3.459	11.6	22.1

203733 2002 QT_{62} 7 10.8 291°.70 0°.8/10.6 18

6 10	19 44.83	−23 43.8	1.834	2.731	12.2	20.5
6 20	19 38.86	−23 55.3	1.763	2.725	8.6	20.3
6 30	19 30.85	−24 7.9	1.717	2.718	4.6	20.0
7 10	19 21.64	−24 18.8	1.696	2.712	0.8	19.8
7 20	19 12.26	−24 25.7	1.701	2.705	4.2	20.0
7 30	19 3.81	−24 27.5	1.734	2.699	8.3	20.2
8 9	18 57.22	−24 24.0	1.790	2.693	12.0	20.4
8 19	18 53.11	−24 16.2	1.866	2.687	15.2	20.6

200199 1999 RT_{221} 7 10.8 296°.29 1°.6/11.1 18

6 10	19 45.65	−19 2.1	1.700	2.593	13.2	20.3
6 20	19 39.73	−18 43.6	1.607	2.565	9.6	20.0
6 30	19 31.49	−18 28.8	1.537	2.536	5.4	19.7
7 10	19 21.72	−18 16.8	1.492	2.507	1.6	19.4
7 20	19 11.46	−18 6.6	1.474	2.478	4.6	19.5
7 30	19 1.97	−17 57.6	1.481	2.449	9.2	19.7
8 9	18 54.38	−17 49.5	1.512	2.421	13.5	19.9
8 19	18 49.46	−17 42.2	1.563	2.392	17.3	20.1

53739 2000 EB_{49} 7 10.8 10°.62 0°.1/10.8 18

6 10	19 45.37	−21 21.7	1.375	2.281	14.8	18.7
6 20	19 39.61	−21 29.2	1.317	2.282	10.5	18.5
6 30	19 31.37	−21 40.8	1.280	2.283	5.6	18.2
7 10	19 21.70	−21 53.6	1.268	2.284	0.4	17.8
7 20	19 11.91	−22 4.7	1.280	2.286	4.8	18.1
7 30	19 3.39	−22 12.3	1.317	2.289	9.7	18.4
8 9	18 57.25	−22 15.8	1.376	2.292	14.1	18.7
8 19	18 54.11	−22 15.7	1.454	2.295	17.7	18.9

506457 2001 YG_{4} 7 10.8 173°.51 0°.8/10.9 17

6 10	19 48.23	−20 44.6	2.173	3.054	11.2	22.6
6 20	19 40.85	−20 25.2	2.104	3.057	8.0	22.4
6 30	19 31.75	−20 7.1	2.061	3.059	4.3	22.2
7 10	19 21.73	−19 49.5	2.045	3.061	0.9	21.9
7 20	19 11.67	−19 31.6	2.059	3.063	3.6	22.1
7 30	19 2.51	−19 13.6	2.101	3.063	7.3	22.4
8 9	18 55.03	−18 55.6	2.168	3.064	10.6	22.6
8 19	18 49.74	−18 38.3	2.259	3.063	13.4	22.8

436833 2012 SH_{9} 7 10.8 267°.39 8°.0/ 7.9 18

6 10	19 50.54	−41 45.9	1.877	2.752	13.0	20.5
6 20	19 43.34	−42 47.2	1.811	2.741	10.5	20.3
6 30	19 33.43	−43 35.8	1.768	2.731	8.6	20.2
7 10	19 21.86	−44 4.8	1.750	2.720	8.0	20.2
7 20	19 10.00	−44 9.8	1.757	2.709	9.3	20.2
7 30	18 59.38	−43 50.4	1.788	2.698	11.7	20.3
8 9	18 51.25	−43 10.5	1.840	2.688	14.4	20.5
8 19	18 46.32	−42 15.6	1.912	2.677	16.8	20.6

440693 2005 YJ_{81} 7 10.8 217°.95 0°.0/10.8 18

6 10	19 41.82	−20 31.1	2.618	3.503	9.4	21.9
6 20	19 36.27	−20 57.2	2.543	3.498	6.7	21.7
6 30	19 29.32	−21 26.7	2.493	3.493	3.6	21.5
7 10	19 21.55	−21 57.2	2.471	3.488	0.3	21.2
7 20	19 13.63	−22 26.7	2.478	3.482	3.0	21.5
7 30	19 6.28	−22 53.5	2.513	3.477	6.2	21.7
8 9	19 0.18	−23 16.4	2.575	3.471	9.1	21.9
8 19	18 55.78	−23 35.1	2.659	3.465	11.6	22.0

288036 2003 UM_{256} 7 10.8 254°.65 3°.4/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 45.96	−13 12.0	1.624	2.508	14.2	21.3
6 20	19 39.89	−13 10.2	1.544	2.494	10.6	21.0
6 30	19 31.54	−13 19.7	1.487	2.479	6.6	20.7
7 10	19 21.73	−13 39.7	1.455	2.464	3.5	20.5
7 20	19 11.54	−14 8.1	1.448	2.449	5.3	20.6
7 30	19 2.20	−14 42.2	1.467	2.434	9.4	20.8
8 9	18 54.81	−15 19.0	1.510	2.418	13.6	21.0
8 19	18 50.10	−15 56.0	1.573	2.402	17.2	21.2

389751 2011 SW_{162} 7 10.8 357°.70 4°.9/ 9.7 18

6 10	19 46.86	−34 14.6	1.703	2.599	13.0	20.5
6 20	19 40.48	−34 34.8	1.643	2.598	9.7	20.3
6 30	19 31.76	−34 46.3	1.606	2.596	6.5	20.1
7 10	19 21.73	−34 44.7	1.594	2.596	4.9	20.0
7 20	19 11.66	−34 27.6	1.607	2.595	6.6	20.1
7 30	19 2.85	−33 55.5	1.645	2.595	9.9	20.3
8 9	18 56.34	−33 11.6	1.706	2.596	13.3	20.5
8 19	18 52.70	−32 19.8	1.787	2.597	16.2	20.7

431305 2006 VN_{67} 7 10.8 253°.16 1°.9/10.1 18

6 10	19 47.50	−25 2.8	1.709	2.606	12.9	21.8
6 20	19 41.05	−25 41.6	1.631	2.592	9.2	21.5
6 30	19 32.19	−26 22.1	1.577	2.577	5.1	21.3
7 10	19 21.78	−26 59.8	1.548	2.562	1.9	21.0
7 20	19 10.97	−27 30.3	1.546	2.547	5.0	21.2
7 30	19 1.07	−27 51.0	1.570	2.531	9.4	21.4
8 9	18 53.25	−28 1.7	1.618	2.515	13.4	21.6
8 19	18 48.26	−28 3.7	1.685	2.499	16.9	21.8

476339 2008 AS_{72} 7 10.8 275°.92 3°.5/12.2 18

6 10	19 43.73	−10 35.8	2.275	3.138	11.5	21.7
6 20	19 37.94	−10 44.8	2.170	3.107	8.7	21.4
6 30	19 30.39	−11 4.9	2.090	3.075	5.7	21.2
7 10	19 21.65	−11 35.3	2.037	3.042	3.6	21.0
7 20	19 12.48	−12 14.5	2.012	3.008	4.6	21.0
7 30	19 3.75	−13 0.2	2.014	2.974	7.7	21.1
8 9	18 56.31	−13 49.5	2.043	2.940	11.1	21.3
8 19	18 50.80	−14 39.8	2.094	2.904	14.1	21.4

370918 2005 LG_{11} 7 10.8 18°.11 4°.3/12.2 17

6 10	19 43.29	−11 24.3	1.274	2.170	16.5	20.6
6 20	19 38.19	−11 32.0	1.218	2.172	12.4	20.4
6 30	19 30.64	−11 56.5	1.183	2.175	7.9	20.1
7 10	19 21.66	−12 36.2	1.170	2.179	4.5	19.9
7 20	19 12.52	−13 27.3	1.181	2.183	6.0	20.0
7 30	19 4.59	−14 24.9	1.216	2.188	10.3	20.3
8 9	18 58.97	−15 23.9	1.272	2.193	14.6	20.5
8 19	18 56.33	−16 20.4	1.347	2.199	18.3	20.8

251881 1999 VN_{71} 7 10.8 333°.44 4°.1/11.8 18

6 10	19 40.91	−12 19.7	1.766	2.651	13.2	19.4
6 20	19 36.11	−11 51.9	1.690	2.638	10.0	19.2
6 30	19 29.42	−11 33.8	1.636	2.625	6.5	19.0
7 10	19 21.59	−11 26.0	1.607	2.613	4.2	18.8
7 20	19 13.54	−11 28.0	1.604	2.601	5.5	18.8
7 30	19 6.27	−11 38.5	1.625	2.590	8.8	19.0
8 9	19 0.68	−11 55.5	1.670	2.580	12.4	19.2
8 19	18 57.37	−12 16.7	1.736	2.570	15.6	19.4

177723 2005 GY_{214} 7 10.8 311°.64 0°.1/10.8 17

6 10	19 45.46	−20 49.6	1.365	2.271	14.9	20.6
6 20	19 39.84	−21 8.2	1.298	2.263	10.7	20.3
6 30	19 31.61	−21 32.7	1.253	2.256	5.7	20.0
7 10	19 21.76	−21 59.3	1.232	2.248	0.4	19.6
7 20	19 11.61	−22 24.3	1.235	2.241	4.9	19.9
7 30	19 2.62	−22 45.0	1.263	2.234	10.1	20.2
8 9	18 56.01	−23 0.2	1.312	2.228	14.6	20.4
8 19	18 52.53	−23 9.8	1.380	2.221	18.5	20.7

403111 2008 CV_{187} 7 10.8 69°.53 1°.9/11.9 17

6 10	19 43.11	−13 10.6	2.059	2.936	11.9	20.8
6 20	19 37.31	−14 4.9	2.006	2.954	8.6	20.7
6 30	19 29.91	−15 9.5	1.979	2.972	5.1	20.5
7 10	19 21.63	−16 21.0	1.978	2.991	2.0	20.3
7 20	19 13.30	−17 35.1	2.006	3.009	3.7	20.5
7 30	19 5.79	−18 47.8	2.061	3.028	7.1	20.7
8 9	18 59.82	−19 55.7	2.143	3.046	10.3	20.9
8 19	18 55.90	−20 57.0	2.247	3.064	13.1	21.2

127422 2002 OX_{11} 7 10.8 345°.12 12°.0/14.7 17

6 10	19 38.41	+ 3 29.8	1.373	2.217	18.6	18.2
6 20	19 34.70	+ 4 23.9	1.307	2.205	16.1	18.0
6 30	19 28.81	+ 4 50.2	1.258	2.194	13.7	17.8
7 10	19 21.56	+ 4 44.4	1.230	2.185	12.2	17.7
7 20	19 14.02	+ 4 5.4	1.222	2.176	12.2	17.7
7 30	19 7.37	+ 2 56.3	1.235	2.169	13.9	17.7
8 9	19 2.69	+ 1 24.4	1.267	2.164	16.5	17.9
8 19	19 0.67	− 0 21.3	1.319	2.159	19.2	18.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
183716 2003 YA_{73}			7 10.8 283°.79		0°.6/10.6 18	
	h m	° ′			°	m
6 10	19 47.41	−22 46.5	1.476	2.377	14.3	20.6
6 20	19 41.33	−22 59.7	1.391	2.354	10.3	20.3
6 30	19 32.51	−23 16.1	1.329	2.331	5.6	20.0
7 10	19 21.86	−23 32.0	1.291	2.308	0.7	19.6
7 20	19 10.65	−23 44.1	1.279	2.284	5.0	19.9
7 30	19 0.39	−23 50.2	1.292	2.260	10.2	20.1
8 9	18 52.43	−23 50.1	1.326	2.236	14.9	20.3
8 19	18 47.64	−23 44.9	1.380	2.212	19.0	20.5
251299 2006 XH_{41}			7 10.8 189°.06		0°.3/10.9 18	
6 10	19 43.71	−21 11.6	2.488	3.373	9.9	21.1
6 20	19 37.59	−21 8.3	2.417	3.372	7.0	20.9
6 30	19 30.02	−21 6.6	2.371	3.371	3.8	20.7
7 10	19 21.65	−21 5.4	2.354	3.370	0.4	20.4
7 20	19 13.20	−21 3.3	2.364	3.369	3.2	20.6
7 30	19 5.45	−20 59.9	2.403	3.367	6.4	20.8
8 9	18 59.07	−20 54.9	2.468	3.365	9.4	21.0
8 19	18 54.52	−20 48.6	2.556	3.363	12.0	21.2
374865 2006 VO_{50}			7 10.8 192°.67		0°.3/10.7 17	
6 10	19 47.65	−22 1.1	1.951	2.840	12.0	21.9
6 20	19 40.74	−22 16.4	1.881	2.838	8.5	21.7
6 30	19 31.85	−22 34.0	1.836	2.836	4.5	21.5
7 10	19 21.80	−22 51.2	1.817	2.833	0.4	21.1
7 20	19 11.58	−23 5.6	1.826	2.830	4.0	21.4
7 30	19 2.28	−23 15.6	1.863	2.826	8.0	21.7
8 9	18 54.81	−23 21.0	1.924	2.822	11.6	21.9
8 19	18 49.75	−23 22.3	2.007	2.817	14.7	22.1
62550 2000 SM_{263}			7 10.8 28°.19		2°.8/10.2 18	
6 10	19 46.30	−27 38.0	1.353	2.263	14.8	18.8
6 20	19 40.31	−27 58.5	1.304	2.269	10.5	18.5
6 30	19 31.75	−28 16.4	1.276	2.277	6.0	18.3
7 10	19 21.79	−28 27.0	1.272	2.285	2.8	18.1
7 20	19 11.83	−28 27.2	1.292	2.294	5.8	18.3
7 30	19 3.33	−28 16.7	1.337	2.303	10.2	18.6
8 9	18 57.40	−27 57.1	1.403	2.313	14.3	18.9
8 19	18 54.58	−27 31.1	1.488	2.323	17.7	19.1
96800 1999 RY_{127}			7 10.8 287°.18		3°.8/11.8 18	
6 10	19 44.96	−13 0.9	1.445	2.335	15.3	19.6
6 20	19 39.49	−12 57.2	1.362	2.314	11.4	19.3
6 30	19 31.49	−13 6.5	1.300	2.293	7.2	19.0
7 10	19 21.79	−13 28.1	1.262	2.272	3.9	18.8
7 20	19 11.57	−14 0.0	1.249	2.251	5.8	18.8
7 30	19 2.20	−14 39.1	1.261	2.230	10.3	19.0
8 9	18 54.94	−15 21.7	1.294	2.209	14.9	19.2
8 19	18 50.64	−16 4.7	1.347	2.188	18.9	19.4
482158 2010 TN_{71}			7 10.8 255°.29		9°.5/14.8 17	
6 10	19 40.50	+ 9 20.0	2.580	3.342	13.1	21.9
6 20	19 35.38	+10 3.7	2.499	3.329	11.7	21.8
6 30	19 28.90	+10 28.4	2.439	3.316	10.4	21.7
7 10	19 21.60	+10 31.8	2.402	3.302	9.6	21.6
7 20	19 14.09	+10 13.0	2.388	3.289	9.6	21.6
7 30	19 7.08	+ 9 33.2	2.398	3.275	10.5	21.6
8 9	19 1.20	+ 8 35.7	2.431	3.261	11.9	21.7
8 19	18 56.93	+ 7 24.9	2.485	3.247	13.5	21.8
350396 2012 VF_{19}			7 10.8 22°.98		3°.3/11.9 17	
6 10	19 42.45	−13 24.2	1.584	2.474	14.1	20.2
6 20	19 37.24	−13 23.4	1.526	2.479	10.4	20.0
6 30	19 30.02	−13 33.9	1.491	2.484	6.4	19.7
7 10	19 21.68	−13 54.5	1.480	2.490	3.4	19.6
7 20	19 13.24	−14 22.8	1.494	2.496	5.0	19.7
7 30	19 5.81	−14 56.0	1.533	2.503	8.8	19.9
8 9	19 0.31	−15 31.1	1.596	2.510	12.6	20.2
8 19	18 57.29	−16 5.6	1.679	2.517	15.8	20.4
471111 2010 CJ_{20}			7 10.8 205°.48		7°.2/14.8 18	
6 10	19 43.12	+ 0 28.6	1.932	2.761	14.6	21.0
6 20	19 37.50	+ 0 7.2	1.859	2.759	12.0	20.8
6 30	19 30.13	− 0 36.4	1.808	2.758	9.3	20.6
7 10	19 21.69	− 1 41.9	1.781	2.756	7.4	20.5
7 20	19 13.05	− 3 6.7	1.780	2.754	7.5	20.5
7 30	19 5.13	− 4 45.8	1.806	2.752	9.5	20.6
8 9	18 58.77	− 6 32.7	1.857	2.750	12.2	20.8
8 19	18 54.54	− 8 21.4	1.930	2.748	14.9	21.0
173655 2001 HX_{12}			7 10.8 21°.36		2°.2/11.4 17	
6 10	19 43.10	−17 5.9	1.089	2.004	17.1	18.6
6 20	19 38.28	−17 5.5	1.043	2.011	12.3	18.3
6 30	19 30.76	−17 15.9	1.018	2.019	7.0	18.1
7 10	19 21.75	−17 34.6	1.014	2.029	2.4	17.8
7 20	19 12.72	−17 58.2	1.033	2.039	5.5	18.1
7 30	19 5.20	−18 23.5	1.074	2.051	10.6	18.4
8 9	19 0.34	−18 47.8	1.135	2.064	15.3	18.7
8 19	18 58.72	−19 9.1	1.215	2.077	19.2	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
336206 2008 SP_{29}			7 10.8 225°.82		5°.2/12.5 18	
	h m	° ′			°	m
6 10	19 43.75	− 7 15.7	2.064	2.921	12.7	20.9
6 20	19 37.89	− 6 57.3	1.986	2.913	10.0	20.7
6 30	19 30.32	− 6 51.6	1.932	2.905	7.1	20.5
7 10	19 21.73	− 6 59.2	1.904	2.897	5.3	20.3
7 20	19 12.92	− 7 19.3	1.902	2.889	6.0	20.4
7 30	19 4.82	− 7 49.9	1.927	2.880	8.6	20.5
8 9	18 58.20	− 8 28.2	1.977	2.870	11.5	20.7
8 19	18 53.63	− 9 11.1	2.048	2.861	14.3	20.8
519172 2010 OW_{45}			7 10.8 319°.76		3°.6/ 9.1 18	
6 10	19 43.53	−29 41.3	1.998	2.895	11.3	21.0
6 20	19 38.04	−30 42.2	1.928	2.886	8.2	20.8
6 30	19 30.53	−31 41.6	1.882	2.877	5.1	20.6
7 10	19 21.75	−32 34.2	1.863	2.869	3.7	20.5
7 20	19 12.69	−33 15.8	1.871	2.861	5.7	20.6
7 30	19 4.43	−33 43.9	1.905	2.853	8.9	20.8
8 9	18 57.96	−33 58.7	1.962	2.846	12.1	21.0
8 19	18 53.90	−34 1.6	2.040	2.838	14.8	21.1
435155 2007 LN			7 10.8 43°.81		13°.2/14.9 17	
6 10	19 44.69	+ 5 20.4	1.362	2.188	19.7	20.2
6 20	19 38.75	+ 6 57.8	1.332	2.212	17.0	20.0
6 30	19 30.76	+ 8 4.6	1.320	2.236	14.7	20.0
7 10	19 21.76	+ 8 36.3	1.328	2.261	13.3	20.0
7 20	19 12.91	+ 8 32.8	1.356	2.287	13.3	20.0
7 30	19 5.35	+ 7 57.8	1.406	2.313	14.6	20.2
8 9	18 59.97	+ 6 58.8	1.475	2.339	16.4	20.4
8 19	18 57.23	+ 5 44.1	1.562	2.366	18.4	20.6
503270 2015 OA_{20}			7 10.8 286°.45		3°.4/11.8 18	
6 10	19 42.10	−12 23.0	2.231	3.104	11.3	20.8
6 20	19 36.62	−11 59.5	2.155	3.096	8.5	20.6
6 30	19 29.60	−11 43.9	2.103	3.089	5.5	20.4
7 10	19 21.69	−11 36.3	2.077	3.082	3.5	20.3
7 20	19 13.63	−11 36.1	2.079	3.075	4.6	20.3
7 30	19 6.24	−11 42.4	2.108	3.068	7.4	20.5
8 9	19 0.24	−11 53.8	2.162	3.061	10.4	20.7
8 19	18 56.12	−12 8.5	2.238	3.054	13.1	20.8
110928 2001 UE_{146}			7 10.8 238°.41		0°.9/10.5 18	
6 10	19 43.85	−23 44.8	2.254	3.144	10.5	20.3
6 20	19 37.95	−24 8.3	2.179	3.137	7.4	20.1
6 30	19 30.35	−24 33.1	2.130	3.130	4.0	19.9
7 10	19 21.75	−24 56.5	2.107	3.123	0.9	19.6
7 20	19 12.97	−25 16.0	2.113	3.116	3.7	19.8
7 30	19 4.90	−25 30.2	2.146	3.108	7.2	20.0
8 9	18 58.35	−25 38.7	2.205	3.101	10.4	20.2
8 19	18 53.85	−25 41.8	2.285	3.093	13.2	20.4
477754 2010 VS_{214}			7 10.8 237°.03		1°.5/10.4 18	
6 10	19 44.32	−26 43.0	2.406	3.294	10.0	21.4
6 20	19 38.15	−26 48.2	2.333	3.290	7.1	21.2
6 30	19 30.39	−26 51.7	2.286	3.286	3.9	21.0
7 10	19 21.75	−26 51.2	2.267	3.281	1.5	20.9
7 20	19 13.02	−26 45.4	2.276	3.277	3.7	21.0
7 30	19 5.04	−26 33.8	2.312	3.272	6.9	21.2
8 9	18 58.55	−26 17.1	2.374	3.267	9.9	21.4
8 19	18 54.04	−25 56.5	2.459	3.262	12.5	21.6
217006 2000 UU_{78}			7 10.8 284°.03		2°.5/ 9.9 18	
6 10	19 46.28	−26 18.4	1.739	2.637	12.7	20.4
6 20	19 40.31	−27 0.9	1.653	2.614	9.1	20.1
6 30	19 31.91	−27 44.7	1.591	2.591	5.2	19.8
7 10	19 21.88	−28 25.0	1.555	2.568	2.5	19.6
7 20	19 11.35	−28 57.1	1.545	2.544	5.3	19.7
7 30	19 1.63	−29 18.3	1.561	2.520	9.6	19.9
8 9	18 53.91	−29 28.2	1.600	2.497	13.6	20.1
8 19	18 49.00	−29 28.3	1.659	2.473	17.1	20.3
435228 2007 RR_{300}			7 10.8 14°.44		6°.0/12.8 16	
6 10	19 40.76	− 8 21.4	1.348	2.236	16.3	20.3
6 20	19 36.26	− 8 4.7	1.295	2.240	12.6	20.1
6 30	19 29.59	− 8 6.2	1.262	2.246	8.8	19.9
7 10	19 21.69	− 8 25.9	1.252	2.252	6.2	19.7
7 20	19 13.70	− 9 1.8	1.265	2.260	7.0	19.8
7 30	19 6.83	− 9 49.9	1.302	2.269	10.3	20.0
8 9	19 2.05	−10 45.0	1.360	2.278	14.0	20.3
8 19	18 59.94	−11 42.1	1.438	2.289	17.4	20.5
65171 2002 CB_{173}			7 10.8 259°.11		0°.9/11.3 18	
6 10	19 42.01	−17 19.0	2.242	3.127	10.8	19.5
6 20	19 36.62	−17 52.5	2.170	3.124	7.7	19.3
6 30	19 29.63	−18 32.8	2.122	3.120	4.3	19.1
7 10	19 21.70	−19 17.3	2.101	3.116	1.0	18.8
7 20	19 13.58	−20 3.0	2.108	3.113	3.4	19.0
7 30	19 6.12	−20 47.4	2.143	3.109	6.9	19.2
8 9	19 0.06	−21 28.2	2.203	3.106	10.1	19.4
8 19	18 55.94	−22 4.4	2.286	3.102	12.9	19.6

10892 1997 SX_2 7 10.8 134°.70 1°.9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 50.95	−25 47.6	1.591	2.486	13.8	18.5
6 20	19 43.31	−26 10.5	1.537	2.497	9.8	18.3
6 30	19 33.29	−26 32.3	1.507	2.508	5.3	18.0
7 10	19 21.98	−26 48.7	1.503	2.518	1.9	17.8
7 20	19 10.67	−26 56.8	1.525	2.527	5.0	18.1
7 30	19 0.70	−26 55.8	1.574	2.536	9.3	18.3
8 9	18 53.12	−26 46.7	1.646	2.544	13.2	18.6
8 19	18 48.49	−26 31.9	1.738	2.552	16.4	18.8

16044 Kurtbachmann 7 10.8 5°.08 0°.9/11.1 18

6 10	19 43.02	−19 6.4	1.835	2.729	12.3	18.0
6 20	19 37.54	−19 15.2	1.770	2.729	8.8	17.8
6 30	19 30.18	−19 29.3	1.729	2.729	4.8	17.6
7 10	19 21.75	−19 46.4	1.714	2.730	1.0	17.3
7 20	19 13.20	−20 4.4	1.725	2.731	3.9	17.5
7 30	19 5.54	−20 21.4	1.763	2.732	7.9	17.8
8 9	18 59.63	−20 36.2	1.825	2.733	11.6	18.0
8 19	18 56.04	−20 48.2	1.907	2.735	14.7	18.2

250087 2002 GW_{24} 7 10.8 219°.19 0°.6/10.6 18

6 10	19 42.77	−23 15.8	2.687	3.572	9.2	21.6
6 20	19 36.96	−23 35.0	2.609	3.565	6.5	21.4
6 30	19 29.75	−23 55.3	2.558	3.558	3.5	21.2
7 10	19 21.72	−24 14.6	2.535	3.551	0.6	21.0
7 20	19 13.54	−24 31.1	2.541	3.544	3.1	21.2
7 30	19 5.95	−24 43.7	2.575	3.536	6.2	21.4
8 9	18 59.61	−24 51.7	2.635	3.528	9.0	21.5
8 19	18 55.00	−24 55.6	2.719	3.520	11.5	21.7

323516 2004 RP_{68} 7 10.8 310°.36 3°.7/12.1 18

6 10	19 40.95	−11 26.5	1.960	2.838	12.4	20.4
6 20	19 36.15	−11 26.2	1.868	2.812	9.4	20.1
6 30	19 29.53	−11 37.1	1.799	2.787	6.2	19.9
7 10	19 21.71	−11 59.0	1.756	2.762	3.8	19.7
7 20	19 13.53	−12 30.3	1.738	2.737	4.9	19.7
7 30	19 5.93	−13 8.7	1.747	2.712	8.3	19.9
8 9	18 59.80	−13 51.3	1.780	2.688	11.8	20.0
8 19	18 55.81	−14 35.3	1.834	2.664	15.1	20.2

115357 2003 SS_{249} 7 10.8 228°.70 1°.1/11.2 18

6 10	19 47.62	−18 25.2	1.783	2.670	13.0	20.8
6 20	19 40.96	−18 35.0	1.704	2.659	9.3	20.6
6 30	19 32.12	−18 50.9	1.650	2.648	5.2	20.3
7 10	19 21.92	−19 10.4	1.621	2.637	1.2	20.0
7 20	19 11.41	−19 31.2	1.620	2.625	4.2	20.2
7 30	19 1.76	−19 51.1	1.645	2.612	8.6	20.5
8 9	18 54.02	−20 8.8	1.695	2.598	12.6	20.7
8 19	18 48.85	−20 23.8	1.766	2.584	16.0	20.9

166526 2002 RK 7 10.8 180°.99 1°.8/11.5 17

6 10	19 43.70	−16 15.4	2.059	2.942	11.7	20.7
6 20	19 37.85	−16 22.9	1.991	2.943	8.4	20.5
6 30	19 30.30	−16 37.3	1.947	2.943	4.9	20.3
7 10	19 21.77	−16 56.8	1.929	2.943	1.9	20.1
7 20	19 13.11	−17 19.5	1.939	2.943	3.8	20.2
7 30	19 5.23	−17 43.5	1.976	2.942	7.4	20.5
8 9	18 58.92	−18 7.1	2.038	2.942	10.8	20.7
8 19	18 54.71	−18 29.1	2.122	2.941	13.7	20.9

286714 2002 GO_{79} 7 10.8 197°.23 1°.7/ 9.8 18

6 10	19 43.61	−25 19.6	2.729	3.614	9.1	21.0
6 20	19 37.61	−26 15.1	2.656	3.612	6.4	20.8
6 30	19 30.13	−27 11.6	2.610	3.609	3.6	20.6
7 10	19 21.76	−28 5.6	2.593	3.605	1.7	20.5
7 20	19 13.18	−28 54.0	2.604	3.602	3.7	20.6
7 30	19 5.16	−29 34.7	2.645	3.598	6.5	20.8
8 9	18 58.40	−30 6.7	2.712	3.593	9.2	21.0
8 19	18 53.39	−30 30.5	2.802	3.588	11.5	21.1

387501 1996 XC_{17} 7 10.8 281°.87 0°.4/10.6 18

6 10	19 41.03	−21 30.6	2.563	3.451	9.5	21.0
6 20	19 35.84	−22 7.2	2.486	3.444	6.7	20.8
6 30	19 29.20	−22 47.1	2.435	3.436	3.6	20.6
7 10	19 21.70	−23 27.7	2.412	3.428	0.5	20.3
7 20	19 14.01	−24 6.3	2.417	3.421	3.2	20.5
7 30	19 6.88	−24 41.0	2.450	3.413	6.4	20.7
8 9	19 1.00	−25 10.4	2.509	3.405	9.3	20.9
8 19	18 56.85	−25 34.1	2.591	3.398	11.8	21.0

264346 1999 XE_{106} 7 10.8 243°.88 4°.1/10.7 18

6 10	19 56.47	−18 40.0	1.209	2.103	17.4	20.1
6 20	19 47.89	−17 6.7	1.136	2.092	12.8	19.8
6 30	19 36.06	−15 32.2	1.085	2.081	7.7	19.5
7 10	19 22.25	−13 59.3	1.058	2.069	4.1	19.3
7 20	19 8.13	−12 32.7	1.057	2.057	7.1	19.4
7 30	18 55.56	−11 17.2	1.081	2.044	12.4	19.7
8 9	18 46.00	−10 15.9	1.126	2.030	17.5	19.9
8 19	18 40.23	− 9 29.2	1.190	2.017	21.7	20.2

315129 2007 ED_{96} 7 10.8 150°.97 1°.6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 41.56	−15 50.8	2.735	3.610	9.4	21.9
6 20	19 35.99	−15 55.5	2.668	3.615	6.8	21.7
6 30	19 29.18	−16 5.5	2.626	3.620	4.0	21.6
7 10	19 21.70	−16 19.5	2.612	3.625	1.7	21.4
7 20	19 14.15	−16 36.2	2.627	3.630	3.1	21.5
7 30	19 7.19	−16 54.5	2.671	3.634	5.9	21.7
8 9	19 1.40	−17 12.9	2.741	3.638	8.6	21.9
8 19	18 57.18	−17 30.7	2.834	3.642	10.9	22.1

381615 2008 WZ_{82} 7 10.8 251°.67 0°.8/11.1 18

6 10	19 44.81	−18 35.7	2.078	2.964	11.5	21.6
6 20	19 38.80	−18 55.2	1.994	2.948	8.2	21.3
6 30	19 30.91	−19 20.4	1.933	2.932	4.5	21.1
7 10	19 21.84	−19 49.1	1.900	2.916	0.9	20.8
7 20	19 12.46	−20 18.7	1.894	2.899	3.7	20.9
7 30	19 3.75	−20 46.9	1.916	2.881	7.7	21.2
8 9	18 56.60	−21 12.3	1.963	2.864	11.3	21.3
8 19	18 51.64	−21 33.9	2.031	2.846	14.4	21.5

231680 1995 SW_6 7 10.8 206°.05 6°.7/ 8.6 18

6 10	19 52.43	−41 45.9	2.243	3.107	11.6	21.1
6 20	19 44.28	−42 28.7	2.177	3.102	9.3	21.0
6 30	19 33.84	−42 59.2	2.135	3.096	7.4	20.8
7 10	19 22.08	−43 12.3	2.120	3.091	6.8	20.8
7 20	19 10.18	−43 4.8	2.131	3.084	7.9	20.8
7 30	18 59.43	−42 37.3	2.168	3.077	10.0	21.0
8 9	18 50.86	−41 53.1	2.228	3.070	12.4	21.1
8 19	18 45.09	−40 57.0	2.309	3.062	14.6	21.3

400199 2006 YO_{54} 7 10.8 27°.30 1°.4/11.5 18

6 10	19 41.60	−15 30.6	1.983	2.869	11.9	20.3
6 20	19 36.44	−16 10.3	1.920	2.874	8.6	20.1
6 30	19 29.59	−16 59.2	1.881	2.878	4.9	19.9
7 10	19 21.75	−17 54.1	1.868	2.883	1.6	19.7
7 20	19 13.76	−18 51.6	1.883	2.888	3.7	19.8
7 30	19 6.56	−19 48.0	1.925	2.894	7.4	20.1
8 9	19 0.91	−20 40.7	1.992	2.899	10.8	20.3
8 19	18 57.36	−21 27.7	2.081	2.905	13.7	20.5

81681 2000 JQ_5 7 10.8 345°.76 1°.0/10.5 18

6 10	19 41.63	−21 30.8	1.170	2.089	15.9	18.1
6 20	19 37.50	−22 17.9	1.108	2.080	11.3	17.8
6 30	19 30.56	−23 13.2	1.067	2.071	6.1	17.5
7 10	19 21.84	−24 11.0	1.047	2.063	1.1	17.1
7 20	19 12.73	−25 4.9	1.051	2.057	5.6	17.4
7 30	19 4.86	−25 49.9	1.077	2.052	11.0	17.7
8 9	18 59.58	−26 23.7	1.124	2.048	15.8	18.0
8 19	18 57.68	−26 45.9	1.189	2.045	19.9	18.2

65235 2002 EG_{97} 7 10.8 32°.05 21°.5/27.3 17

6 10	19 40.61	+21 0.9	1.049	1.816	27.9	18.0
6 20	19 36.42	+22 36.0	1.028	1.836	25.9	18.0
6 30	19 29.73	+23 18.1	1.018	1.857	24.1	17.9
7 10	19 21.76	+23 1.7	1.020	1.880	22.6	17.9
7 20	19 13.89	+21 47.6	1.036	1.904	21.7	17.9
7 30	19 7.53	+19 43.1	1.066	1.929	21.5	18.0
8 9	19 3.71	+17 1.7	1.112	1.955	22.0	18.1
8 19	19 2.94	+13 59.0	1.174	1.981	23.1	18.3

469666 2004 TV_{348} 7 10.8 303°.43 3°.4/ 9.6 18

6 10	19 45.70	−27 44.5	1.540	2.445	13.6	21.7
6 20	19 40.23	−28 33.4	1.455	2.419	9.9	21.4
6 30	19 32.03	−29 23.3	1.392	2.392	5.9	21.1
7 10	19 21.97	−30 8.0	1.354	2.365	3.4	20.9
7 20	19 11.27	−30 42.2	1.341	2.339	6.3	21.0
7 30	19 1.45	−31 2.3	1.353	2.313	10.7	21.2
8 9	18 53.88	−31 8.3	1.386	2.287	15.0	21.3
8 19	18 49.47	−31 2.1	1.438	2.261	18.8	21.5

362331 2010 JQ_{151} 7 10.8 9°.79 1°.4/11.1 17

6 10	19 42.27	−19 22.1	0.883	1.812	18.6	20.1
6 20	19 38.21	−19 16.6	0.839	1.813	13.4	19.8
6 30	19 30.95	−19 20.2	0.812	1.816	7.4	19.5
7 10	19 21.87	−19 30.1	0.804	1.820	1.6	19.1
7 20	19 12.69	−19 43.0	0.818	1.826	5.9	19.4
7 30	19 5.25	−19 55.9	0.852	1.833	11.9	19.8
8 9	19 0.92	−20 6.9	0.904	1.842	17.1	20.1
8 19	19 0.30	−20 14.9	0.973	1.852	21.5	20.4

396098 2013 CF_{123} 7 10.8 132°.29 4°.5/12.8 18

6 10	19 41.31	− 6 38.0	2.541	3.389	10.9	21.4
6 20	19 35.86	− 6 27.0	2.476	3.397	8.5	21.2
6 30	19 29.15	− 6 27.2	2.436	3.404	6.1	21.1
7 10	19 21.73	− 6 38.4	2.421	3.412	4.6	21.0
7 20	19 14.25	− 6 59.8	2.435	3.418	5.1	21.0
7 30	19 7.39	− 7 29.6	2.476	3.425	7.1	21.2
8 9	19 1.73	− 8 5.3	2.542	3.432	9.4	21.3
8 19	18 57.69	− 8 44.5	2.631	3.438	11.7	21.5

104615 2000 GH_{105} 7 10.8 64°.48 4°.6/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 46.85	−32 19.9	1.804	2.699	12.5	19.3
6 20	19 40.39	−33 18.0	1.758	2.713	9.1	19.1
6 30	19 31.76	−34 10.2	1.736	2.727	6.0	18.9
7 10	19 21.94	−34 50.9	1.740	2.741	4.7	18.9
7 20	19 12.09	−35 16.4	1.770	2.755	6.5	19.0
7 30	19 3.42	−35 25.7	1.825	2.769	9.5	19.2
8 9	18 56.88	−35 20.6	1.904	2.784	12.6	19.5
8 19	18 53.04	−35 4.2	2.002	2.798	15.2	19.7

186944 2004 QW_{27} 7 10.8 260°.41 1°.2/11.3 18

6 10	19 42.33	−18 6.6	2.321	3.206	10.5	20.9
6 20	19 36.79	−18 8.6	2.247	3.200	7.5	20.7
6 30	19 29.73	−18 15.1	2.197	3.195	4.2	20.5
7 10	19 21.79	−18 24.8	2.174	3.189	1.3	20.3
7 20	19 13.71	−18 36.1	2.180	3.184	3.4	20.4
7 30	19 6.29	−18 48.0	2.213	3.178	6.8	20.6
8 9	19 0.25	−18 59.2	2.271	3.173	9.9	20.8
8 19	18 56.09	−19 9.2	2.352	3.167	12.6	21.0

391262 2006 RR_{77} 7 10.8 305°.76 0°.9/11.2 18

6 10	19 43.00	−18 33.2	1.903	2.795	12.1	21.4
6 20	19 37.57	−18 47.0	1.831	2.788	8.6	21.1
6 30	19 30.26	−19 6.7	1.782	2.781	4.8	20.9
7 10	19 21.84	−19 30.2	1.759	2.774	1.1	20.6
7 20	19 13.21	−19 54.9	1.763	2.768	3.9	20.8
7 30	19 5.37	−20 18.7	1.793	2.761	7.9	21.0
8 9	18 59.21	−20 40.2	1.848	2.755	11.5	21.2
8 19	18 55.32	−20 58.4	1.923	2.749	14.6	21.4

237104 2008 TX_{98} 7 10.8 178°.52 0°.3/10.9 17

6 10	19 45.39	−20 16.5	1.903	2.794	12.1	21.3
6 20	19 39.20	−20 31.3	1.837	2.795	8.6	21.0
6 30	19 31.10	−20 50.2	1.795	2.795	4.6	20.8
7 10	19 21.91	−21 10.7	1.779	2.796	0.5	20.5
7 20	19 12.57	−21 30.4	1.791	2.796	3.9	20.8
7 30	19 4.13	−21 47.3	1.829	2.795	7.9	21.0
8 9	18 57.46	−22 0.7	1.892	2.795	11.5	21.2
8 19	18 53.14	−22 10.3	1.976	2.794	14.5	21.4

15167 2000 GS_{135} 7 10.8 113°.94 2°.6/11.8 18

6 10	19 45.58	−13 47.8	1.663	2.547	13.9	17.8
6 20	19 39.43	−14 8.3	1.605	2.556	10.2	17.6
6 30	19 31.25	−14 40.0	1.570	2.564	6.1	17.4
7 10	19 21.92	−15 20.4	1.560	2.572	2.7	17.2
7 20	19 12.48	−16 6.2	1.576	2.580	4.6	17.3
7 30	19 4.05	−16 53.9	1.619	2.587	8.6	17.6
8 9	18 57.57	−17 40.2	1.686	2.595	12.3	17.8
8 19	18 53.59	−18 23.0	1.774	2.602	15.6	18.1

182209 2000 WM_{69} 7 10.8 271°.24 4°.7/ 9.2 18

6 10	19 46.54	−35 12.6	2.217	3.101	10.9	19.8
6 20	19 40.06	−35 46.2	2.145	3.091	8.2	19.6
6 30	19 31.60	−36 12.8	2.097	3.081	5.7	19.4
7 10	19 21.96	−36 28.0	2.075	3.071	4.7	19.3
7 20	19 12.14	−36 29.2	2.081	3.061	6.1	19.4
7 30	19 3.21	−36 15.9	2.113	3.050	8.8	19.5
8 9	18 56.09	−35 49.9	2.168	3.040	11.6	19.7
8 19	18 51.37	−35 14.2	2.245	3.030	14.1	19.9

70361 1999 RK_{189} 7 10.8 174°.50 2°.1/10.2 18

6 10	19 49.93	−26 46.6	1.880	2.770	12.3	19.4
6 20	19 42.48	−27 11.2	1.816	2.773	8.8	19.2
6 30	19 32.88	−27 34.3	1.776	2.775	4.9	19.0
7 10	19 22.06	−27 51.7	1.764	2.777	2.1	18.8
7 20	19 11.13	−28 0.9	1.778	2.778	4.7	19.0
7 30	19 1.26	−28 0.7	1.820	2.778	8.6	19.2
8 9	18 53.43	−27 52.2	1.887	2.778	12.1	19.4
8 19	18 48.24	−27 37.3	1.974	2.777	15.1	19.6

360147 2013 CU_{54} 7 10.8 176°.86 3°.6/ 9.1 18

6 10	19 45.49	−32 7.1	2.546	3.430	9.7	21.4
6 20	19 39.07	−32 58.7	2.482	3.431	7.1	21.3
6 30	19 30.99	−33 46.4	2.443	3.432	4.7	21.1
7 10	19 21.92	−34 26.1	2.433	3.433	3.6	21.1
7 20	19 12.70	−34 54.9	2.450	3.434	5.1	21.1
7 30	19 4.20	−35 11.5	2.495	3.434	7.6	21.3
8 9	18 57.20	−35 16.5	2.566	3.433	10.1	21.5
8 19	18 52.24	−35 11.6	2.657	3.433	12.4	21.6

67747 2000 UF_{43} 7 10.8 337°.94 3°.5/11.6 18

6 10	19 42.41	−15 29.6	1.067	1.982	17.5	18.3
6 20	19 38.15	−15 13.7	1.004	1.970	12.9	18.0
6 30	19 30.96	−15 10.2	0.960	1.959	7.8	17.7
7 10	19 21.94	−15 18.5	0.936	1.949	3.6	17.5
7 20	19 12.52	−15 36.4	0.935	1.941	6.2	17.6
7 30	19 4.40	−16 0.9	0.955	1.933	11.5	17.8
8 9	18 58.95	−16 28.6	0.995	1.927	16.6	18.1
8 19	18 56.99	−16 56.4	1.052	1.921	21.0	18.4

92243 2000 AP_{148} 7 10.8 133°.60 4°.6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 41.95	− 5 57.7	2.792	3.632	10.3	19.1
6 20	19 36.20	− 5 29.1	2.729	3.643	8.1	19.0
6 30	19 29.30	− 5 10.5	2.691	3.653	6.0	18.8
7 10	19 21.79	− 5 2.4	2.680	3.664	4.7	18.8
7 20	19 14.25	− 5 4.6	2.697	3.674	5.1	18.8
7 30	19 7.30	− 5 15.9	2.742	3.683	6.9	18.9
8 9	19 1.47	− 5 34.6	2.813	3.692	9.0	19.1
8 19	18 57.14	− 5 58.6	2.906	3.701	11.0	19.2

518552 2007 BJ_{103} 7 10.8 262°.26 1°.2/10.5 18

6 10	19 44.85	−25 39.0	2.244	3.134	10.6	20.7
6 20	19 38.68	−25 41.4	2.169	3.126	7.5	20.5
6 30	19 30.79	−25 42.7	2.118	3.118	4.1	20.3
7 10	19 21.92	−25 40.6	2.094	3.110	1.2	20.0
7 20	19 12.91	−25 33.9	2.099	3.101	3.7	20.2
7 30	19 4.68	−25 21.8	2.131	3.093	7.2	20.4
8 9	18 58.02	−25 5.2	2.188	3.084	10.5	20.6
8 19	18 53.47	−24 45.0	2.267	3.076	13.2	20.8

513686 2012 BU_{27} 7 10.8 243°.38 1°.1/11.4 18

6 10	19 42.17	−16 52.7	2.663	3.540	9.6	22.1
6 20	19 36.62	−17 14.1	2.576	3.525	6.9	21.9
6 30	19 29.66	−17 41.1	2.515	3.511	3.9	21.7
7 10	19 21.83	−18 12.1	2.482	3.496	1.2	21.5
7 20	19 13.79	−18 45.1	2.477	3.481	3.1	21.6
7 30	19 6.25	−19 18.1	2.502	3.466	6.2	21.8
8 9	18 59.86	−19 49.5	2.552	3.450	9.1	21.9
8 19	18 55.14	−20 18.3	2.626	3.434	11.7	22.1

161777 2006 UE_{11} 7 10.8 82°.03 2°.2/11.5 17

6 10	19 46.29	−16 14.6	1.475	2.370	14.8	20.6
6 20	19 40.12	−16 20.0	1.420	2.378	10.7	20.4
6 30	19 31.69	−16 34.6	1.388	2.385	6.1	20.2
7 10	19 22.00	−16 56.1	1.379	2.393	2.3	20.0
7 20	19 12.23	−17 21.8	1.397	2.401	4.8	20.1
7 30	19 3.65	−17 48.9	1.439	2.409	9.2	20.4
8 9	18 57.27	−18 15.1	1.505	2.417	13.3	20.7
8 19	18 53.67	−18 39.1	1.590	2.425	16.7	20.9

370444 2002 WF_{14} 7 10.8 255°.12 4°.4/12.1 18

6 10	19 45.66	−10 40.6	1.806	2.678	13.6	21.4
6 20	19 39.60	−10 27.0	1.721	2.661	10.4	21.2
6 30	19 31.47	−10 25.2	1.659	2.643	6.9	20.9
7 10	19 22.00	−10 35.1	1.622	2.625	4.5	20.7
7 20	19 12.15	−10 55.9	1.611	2.607	5.7	20.8
7 30	19 3.03	−11 25.3	1.627	2.588	9.1	20.9
8 9	18 55.62	−12 0.6	1.666	2.568	12.8	21.1
8 19	18 50.64	−12 38.9	1.727	2.548	16.2	21.3

435644 2008 SN_{219} 7 10.8 265°.57 7°.4/13.1 16

6 10	19 43.42	− 2 36.5	1.910	2.752	14.2	21.4
6 20	19 37.89	− 2 3.5	1.827	2.737	11.6	21.2
6 30	19 30.49	− 1 47.3	1.765	2.721	9.1	21.0
7 10	19 21.92	− 1 49.6	1.728	2.704	7.5	20.9
7 20	19 13.02	− 2 10.7	1.717	2.688	8.0	20.9
7 30	19 4.79	− 2 48.8	1.730	2.671	10.2	21.0
8 9	18 58.10	− 3 40.0	1.767	2.654	13.0	21.1
8 19	18 53.60	− 4 39.8	1.824	2.637	15.8	21.3

114465 2003 AY_{36} 7 10.9 110°.74 2°.0/11.9 18

6 10	19 42.98	−13 33.0	2.140	3.017	11.6	19.3
6 20	19 37.33	−14 12.7	2.076	3.024	8.4	19.1
6 30	19 30.07	−15 2.4	2.037	3.030	5.0	18.9
7 10	19 21.89	−15 59.2	2.024	3.037	2.1	18.7
7 20	19 13.57	−16 59.7	2.040	3.043	3.7	18.8
7 30	19 5.98	−18 0.6	2.084	3.050	7.1	19.0
8 9	18 59.86	−18 58.8	2.153	3.056	10.3	19.2
8 19	18 55.73	−19 52.3	2.245	3.062	13.1	19.5

113679 2002 TB_{108} 7 10.9 281°.16 7°.5/ 7.9 18

6 10	19 49.25	−40 40.4	1.915	2.793	12.7	19.7
6 20	19 42.40	−41 46.1	1.856	2.790	10.1	19.5
6 30	19 33.02	−42 40.1	1.821	2.786	8.1	19.4
7 10	19 22.13	−43 15.8	1.810	2.783	7.5	19.4
7 20	19 11.01	−43 29.2	1.824	2.779	8.8	19.4
7 30	19 1.08	−43 19.8	1.863	2.776	11.2	19.6
8 9	18 53.50	−42 50.7	1.924	2.773	13.8	19.7
8 19	18 48.93	−42 7.0	2.003	2.769	16.1	19.9

438084 2004 TE_{136} 7 10.9 254°.99 6°.5/12.9 18

6 10	19 41.28	− 1 31.2	2.549	3.374	11.6	20.7
6 20	19 35.96	− 0 49.3	2.468	3.364	9.6	20.5
6 30	19 29.30	− 0 20.3	2.411	3.354	7.7	20.4
7 10	19 21.83	− 0 5.8	2.380	3.343	6.6	20.3
7 20	19 14.21	− 0 6.1	2.375	3.333	6.9	20.3
7 30	19 7.10	− 0 20.5	2.396	3.322	8.4	20.4
8 9	19 1.15	− 0 46.7	2.441	3.311	10.5	20.5
8 19	18 56.82	− 1 21.8	2.509	3.300	12.6	20.6

321005 2008 KQ_{24} 7 10.9 231°.33 1°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 42.11	−16 1.2	2.760	3.633	9.4	21.3
6 20	19 36.55	−16 39.3	2.675	3.623	6.7	21.1
6 30	19 29.63	−17 24.0	2.616	3.612	3.8	20.9
7 10	19 21.86	−18 13.2	2.586	3.601	1.2	20.7
7 20	19 13.88	−19 4.5	2.585	3.589	3.0	20.8
7 30	19 6.37	−19 55.2	2.614	3.577	6.0	21.0
8 9	18 59.97	−20 43.3	2.669	3.565	8.8	21.2
8 19	18 55.17	−21 27.5	2.748	3.552	11.3	21.3

77956 2002 HR_{8} 7 10.9 343°.26 6°.3/12.9 18

6 10	19 39.80	− 5 48.0	1.833	2.697	13.8	18.6
6 20	19 35.31	− 5 20.4	1.761	2.688	11.0	18.4
6 30	19 29.09	− 5 7.9	1.710	2.680	8.2	18.2
7 10	19 21.82	− 5 11.8	1.684	2.672	6.4	18.1
7 20	19 14.36	− 5 31.6	1.682	2.666	6.9	18.1
7 30	19 7.63	− 6 5.1	1.706	2.660	9.4	18.2
8 9	19 2.45	− 6 48.9	1.752	2.654	12.3	18.4
8 19	18 59.40	− 7 38.9	1.819	2.650	15.1	18.6

19240 1994 AZ_{10} 7 10.9 4°.58 2°.7/10.1 18

6 10	19 43.51	−25 58.9	1.238	2.155	15.3	18.7
6 20	19 38.69	−26 39.4	1.184	2.154	10.9	18.4
6 30	19 31.14	−27 20.9	1.152	2.155	6.1	18.1
7 10	19 21.99	−27 57.2	1.142	2.156	2.7	17.9
7 20	19 12.65	−28 23.5	1.156	2.159	6.0	18.2
7 30	19 4.70	−28 37.4	1.193	2.162	10.8	18.4
8 9	18 59.35	−28 39.3	1.251	2.167	15.2	18.7
8 19	18 57.27	−28 31.1	1.326	2.172	18.8	19.0

12946 1290 T_{-1} 7 10.9 169°.07 4°.1/12.1 18

6 10	19 45.98	−11 35.1	1.669	2.547	14.2	18.7
6 20	19 39.76	−11 26.9	1.605	2.549	10.7	18.5
6 30	19 31.49	−11 30.8	1.563	2.551	6.9	18.3
7 10	19 22.01	−11 46.1	1.546	2.552	4.2	18.2
7 20	19 12.39	−12 11.1	1.555	2.553	5.5	18.2
7 30	19 3.73	−12 43.1	1.590	2.554	9.1	18.5
8 9	18 56.99	−13 19.0	1.648	2.554	12.7	18.7
8 19	18 52.76	−13 56.1	1.728	2.554	16.0	18.9

380289 2002 CQ_{4} 7 10.9 217°.29 1°.3/11.4 18

6 10	19 45.29	−15 58.6	2.019	2.900	12.0	21.5
6 20	19 39.17	−16 39.1	1.942	2.894	8.6	21.2
6 30	19 31.17	−17 28.6	1.890	2.887	4.9	21.0
7 10	19 21.99	−18 24.2	1.864	2.880	1.4	20.7
7 20	19 12.53	−19 22.1	1.867	2.872	3.8	20.9
7 30	19 3.78	−20 18.8	1.898	2.863	7.7	21.1
8 9	18 56.63	−21 11.4	1.954	2.855	11.3	21.3
8 19	18 51.70	−21 58.3	2.032	2.846	14.4	21.5

428093 2006 QE_{16} 7 10.9 286°.28 0°.9/11.1 18

6 10	19 46.44	−18 43.7	1.481	2.379	14.5	21.4
6 20	19 40.72	−19 1.8	1.393	2.353	10.5	21.0
6 30	19 32.34	−19 28.3	1.326	2.327	5.9	20.7
7 10	19 22.11	−20 0.3	1.285	2.301	1.1	20.3
7 20	19 11.23	−20 34.2	1.268	2.274	4.9	20.5
7 30	19 1.16	−21 6.5	1.277	2.247	10.1	20.7
8 9	18 53.23	−21 34.9	1.308	2.220	14.9	20.9
8 19	18 48.38	−21 58.6	1.358	2.193	19.0	21.1

22107 2000 OV_{21} 7 10.9 326°.07 7°.4/ 8.5 18

6 10	19 43.20	−32 21.9	0.994	1.920	17.3	17.3
6 20	19 39.61	−33 36.6	0.922	1.892	13.1	17.0
6 30	19 32.22	−34 49.0	0.869	1.866	9.1	16.7
7 10	19 22.11	−35 48.0	0.837	1.840	7.5	16.5
7 20	19 11.06	−36 23.5	0.824	1.816	10.4	16.5
7 30	19 1.39	−36 30.4	0.831	1.793	15.3	16.7
8 9	18 55.12	−36 10.6	0.856	1.772	20.3	16.9
8 19	18 53.42	−35 29.8	0.894	1.753	24.7	17.1

440066 2002 RK_{239} 7 10.9 183°.98 18°.0/19.8 17

6 10	19 46.94	+16 27.3	1.236	2.004	24.3	21.4
6 20	19 41.03	+17 17.8	1.180	2.005	22.2	21.2
6 30	19 32.41	+17 24.5	1.137	2.005	20.2	21.1
7 10	19 22.10	+16 40.6	1.110	2.005	18.6	21.0
7 20	19 11.48	+15 4.5	1.100	2.004	18.0	21.0
7 30	19 2.05	+12 42.1	1.110	2.003	18.6	21.0
8 9	18 55.09	+ 9 46.1	1.139	2.002	20.3	21.1
8 19	18 51.38	+ 6 31.9	1.186	2.000	22.5	21.3

505875 2015 DV_{101} 7 10.9 305°.21 5°.5/ 9.0 18

6 10	19 47.39	−31 20.7	1.354	2.261	14.9	20.9
6 20	19 41.69	−32 26.4	1.285	2.247	11.1	20.6
6 30	19 32.93	−33 29.0	1.239	2.233	7.3	20.3
7 10	19 22.15	−34 20.3	1.215	2.220	5.5	20.2
7 20	19 10.87	−34 53.5	1.216	2.206	8.0	20.3
7 30	19 0.83	−35 5.7	1.240	2.193	12.2	20.5
8 9	18 53.52	−34 58.7	1.285	2.180	16.3	20.7
8 19	18 49.80	−34 36.5	1.347	2.168	19.9	20.9

393273 2013 WU_{68} 7 10.9 268°.97 2°.4/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 46.07	−24 55.6	1.757	2.654	12.6	20.2
6 20	19 40.13	−26 1.7	1.681	2.642	9.0	19.9
6 30	19 31.87	−27 11.4	1.629	2.629	5.0	19.7
7 10	19 22.08	−28 18.9	1.604	2.617	2.4	19.5
7 20	19 11.85	−29 18.6	1.605	2.604	5.3	19.6
7 30	19 2.44	−30 6.5	1.633	2.591	9.4	19.9
8 9	18 55.00	−30 41.3	1.684	2.578	13.2	20.1
8 19	18 50.28	−31 4.0	1.755	2.564	16.5	20.3

292542 2006 TH_{48} 7 10.9 201°.37 0°.5/11.0 17

6 10	19 47.42	−19 46.9	1.869	2.756	12.5	21.9
6 20	19 40.73	−20 0.5	1.797	2.753	8.9	21.7
6 30	19 32.01	−20 18.7	1.750	2.749	4.8	21.4
7 10	19 22.08	−20 38.9	1.729	2.745	0.7	21.1
7 20	19 11.94	−20 58.6	1.735	2.740	4.0	21.4
7 30	19 2.70	−21 15.9	1.769	2.735	8.2	21.6
8 9	18 55.30	−21 29.8	1.827	2.729	11.9	21.8
8 19	18 50.36	−21 40.3	1.907	2.722	15.1	22.0

388562 2007 PQ_{39} 7 10.9 294°.76 3°.1/10.3 18

6 10	19 48.75	−30 20.4	1.745	2.640	12.8	20.5
6 20	19 42.06	−30 21.4	1.660	2.617	9.4	20.2
6 30	19 32.88	−30 16.4	1.598	2.595	5.6	19.9
7 10	19 22.16	−30 1.7	1.561	2.572	3.1	19.7
7 20	19 11.09	−29 35.1	1.551	2.549	5.5	19.8
7 30	19 1.03	−28 56.9	1.566	2.526	9.6	20.0
8 9	18 53.15	−28 9.8	1.606	2.503	13.5	20.2
8 19	18 48.17	−27 17.2	1.665	2.481	17.0	20.4

437842 1998 RB_{56} 7 10.9 311°.95 0°.6/10.7 18

6 10	19 44.78	−23 8.8	1.546	2.450	13.6	20.5
6 20	19 39.51	−23 15.5	1.453	2.417	9.8	20.2
6 30	19 31.68	−23 24.5	1.383	2.385	5.4	19.8
7 10	19 22.08	−23 32.9	1.337	2.353	0.7	19.4
7 20	19 11.87	−23 37.7	1.316	2.322	4.8	19.6
7 30	19 2.47	−23 37.2	1.320	2.290	9.9	19.8
8 9	18 55.15	−23 31.2	1.347	2.260	14.5	20.0
8 19	18 50.81	−23 20.7	1.392	2.229	18.6	20.2

50869 2000 GJ_{8} 7 10.9 191°.17 0°.6/11.0 18

6 10	19 47.30	−19 37.0	1.917	2.803	12.3	20.6
6 20	19 40.59	−19 52.0	1.847	2.802	8.7	20.4
6 30	19 31.92	−20 11.7	1.801	2.801	4.8	20.1
7 10	19 22.09	−20 33.3	1.782	2.798	0.7	19.8
7 20	19 12.07	−20 54.5	1.791	2.796	3.9	20.1
7 30	19 2.94	−21 13.4	1.827	2.792	8.0	20.3
8 9	18 55.61	−21 28.9	1.888	2.788	11.6	20.5
8 19	18 50.68	−21 40.8	1.970	2.784	14.7	20.7

163474 2002 RE_{212} 7 10.9 32°.66 6°.6/14.5 18

6 10	19 39.59	− 0 2.7	2.300	3.127	12.6	19.3
6 20	19 34.82	+ 0 1.1	2.235	3.132	10.4	19.2
6 30	19 28.70	− 0 12.2	2.193	3.138	8.2	19.1
7 10	19 21.82	− 0 42.9	2.176	3.143	6.8	19.0
7 20	19 14.85	− 1 29.6	2.184	3.149	6.9	19.0
7 30	19 8.51	− 2 29.5	2.218	3.156	8.4	19.1
8 9	19 3.43	− 3 38.4	2.277	3.162	10.6	19.3
8 19	19 0.06	− 4 52.2	2.358	3.169	12.7	19.4

302853 2003 GZ_{10} 7 10.9 133°.12 3°.5/10.0 17

6 10	19 51.15	−28 46.6	1.382	2.285	15.1	20.7
6 20	19 43.92	−29 18.6	1.328	2.290	10.8	20.5
6 30	19 33.88	−29 47.0	1.296	2.294	6.3	20.3
7 10	19 22.25	−30 5.7	1.288	2.299	3.5	20.1
7 20	19 10.53	−30 11.1	1.305	2.303	6.3	20.3
7 30	19 0.33	−30 2.6	1.347	2.307	10.7	20.5
8 9	18 52.87	−29 42.5	1.410	2.311	14.8	20.8
8 19	18 48.78	−29 14.3	1.493	2.315	18.3	21.0

362402 2010 OG_{114} 7 10.9 118°.97 5°.8/12.9 18

6 10	19 41.95	− 3 34.5	2.558	3.392	11.3	20.7
6 20	19 36.33	− 2 53.6	2.495	3.400	9.1	20.6
6 30	19 29.45	− 2 24.8	2.456	3.408	7.1	20.4
7 10	19 21.89	− 2 9.0	2.443	3.415	5.9	20.4
7 20	19 14.28	− 2 6.5	2.456	3.423	6.2	20.4
7 30	19 7.30	− 2 16.2	2.497	3.430	7.8	20.5
8 9	19 1.51	− 2 35.9	2.562	3.437	9.9	20.7
8 19	18 57.34	− 3 3.1	2.650	3.444	11.9	20.8

14589 Stevenbyrnes 7 10.9 182°.64 2°.8/11.9 18

6 10	19 46.35	−13 24.4	2.032	2.904	12.3	19.6
6 20	19 39.79	−13 27.3	1.961	2.905	9.0	19.4
6 30	19 31.44	−13 39.2	1.915	2.906	5.6	19.2
7 10	19 22.06	−13 58.8	1.895	2.905	2.9	19.0
7 20	19 12.52	−14 24.2	1.904	2.904	4.4	19.1
7 30	19 3.78	−14 53.3	1.940	2.902	7.8	19.3
8 9	18 56.66	−15 23.9	2.001	2.900	11.1	19.5
8 19	18 51.72	−15 54.2	2.084	2.897	14.1	19.7

246373 2007 TQ_{418} 7 10.9 318.°89 1.°0/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 44.13	−19 22.2	1.802	2.696	12.5	20.7
6 20	19 38.45	−19 21.1	1.732	2.691	9.0	20.4
6 30	19 30.80	−19 24.7	1.686	2.686	5.0	20.2
7 10	19 22.01	−19 31.0	1.665	2.681	1.1	19.9
7 20	19 13.05	−19 38.5	1.671	2.677	4.0	20.1
7 30	19 4.98	−19 45.5	1.704	2.672	8.1	20.4
8 9	18 58.72	−19 51.4	1.760	2.668	11.9	20.6
8 19	18 54.84	−19 55.7	1.837	2.664	15.1	20.8

211045 2002 CE_{43} 7 10.9 184.°48 13.°1/ 7.7 17

6 10	20 12.87	−58 28.1	1.966	2.755	15.8	20.7
6 20	19 59.98	−59 34.4	1.918	2.756	14.4	20.6
6 30	19 42.68	−60 13.1	1.889	2.756	13.4	20.6
7 10	19 22.96	−60 14.5	1.882	2.755	13.1	20.5
7 20	19 3.54	−59 34.8	1.897	2.753	13.8	20.6
7 30	18 47.06	−58 17.7	1.934	2.751	15.0	20.7
8 9	18 35.16	−56 32.7	1.991	2.747	16.6	20.8
8 19	18 28.30	−54 30.8	2.066	2.743	18.2	20.9

113532 2002 TX_{20} 7 10.9 310.°67 0.°1/10.9 18

6 10	19 44.32	−20 25.9	1.290	2.200	15.4	19.8
6 20	19 39.47	−20 47.5	1.210	2.176	11.1	19.5
6 30	19 31.77	−21 17.0	1.150	2.153	6.1	19.1
7 10	19 22.12	−21 50.5	1.114	2.131	0.5	18.7
7 20	19 11.86	−22 23.8	1.102	2.108	5.2	19.0
7 30	19 2.57	−22 53.1	1.113	2.087	10.8	19.2
8 9	18 55.70	−23 16.4	1.145	2.066	15.9	19.4
8 19	18 52.18	−23 33.0	1.195	2.045	20.2	19.6

368198 2001 BY_{29} 7 10.9 177.°02 1.°0/10.7 17

6 10	19 49.81	−24 40.0	1.533	2.431	14.1	20.5
6 20	19 42.71	−24 37.4	1.471	2.432	10.0	20.2
6 30	19 33.16	−24 34.1	1.431	2.432	5.4	19.9
7 10	19 22.22	−24 27.2	1.417	2.433	1.0	19.6
7 20	19 11.18	−24 14.9	1.428	2.433	4.7	19.9
7 30	19 1.43	−23 57.0	1.466	2.433	9.4	20.2
8 9	18 54.04	−23 34.8	1.526	2.432	13.6	20.4
8 19	18 49.64	−23 10.2	1.607	2.432	17.1	20.7

90808 1995 CM_{6} 7 10.9 263.°31 0.°9/11.2 18

6 10	19 42.17	−18 40.6	2.394	3.279	10.2	20.2
6 20	19 36.73	−18 49.6	2.317	3.271	7.3	20.0
6 30	19 29.78	−19 3.0	2.264	3.262	4.0	19.8
7 10	19 21.95	−19 19.0	2.238	3.254	1.0	19.6
7 20	19 13.94	−19 36.1	2.240	3.245	3.2	19.7
7 30	19 6.56	−19 52.8	2.271	3.236	6.6	19.9
8 9	19 0.50	−20 8.0	2.326	3.228	9.7	20.1
8 19	18 56.28	−20 21.0	2.405	3.219	12.4	20.3

149964 2005 TX_{104} 7 10.9 303.°89 0.°2/10.8 18

6 10	19 43.60	−22 20.4	2.002	2.896	11.5	20.0
6 20	19 38.02	−22 23.3	1.923	2.882	8.2	19.8
6 30	19 30.58	−22 27.9	1.867	2.869	4.4	19.5
7 10	19 22.01	−22 32.4	1.838	2.855	0.4	19.2
7 20	19 13.22	−22 34.9	1.837	2.842	3.8	19.4
7 30	19 5.20	−22 34.5	1.861	2.828	7.7	19.7
8 9	18 58.82	−22 30.8	1.911	2.815	11.3	19.9
8 19	18 54.69	−22 24.2	1.981	2.803	14.4	20.0

259367 2003 HP_{11} 7 10.9 89.°68 2.°4/ 9.9 17

6 10	19 48.79	−25 44.4	1.735	2.629	12.9	20.2
6 20	19 41.70	−26 45.1	1.693	2.652	9.1	20.0
6 30	19 32.49	−27 45.3	1.676	2.675	5.1	19.8
7 10	19 22.16	−28 39.5	1.685	2.697	2.4	19.7
7 20	19 11.87	−29 23.4	1.721	2.720	5.0	19.9
7 30	19 2.78	−29 54.8	1.784	2.741	8.8	20.1
8 9	18 55.83	−30 14.0	1.871	2.762	12.2	20.4
8 19	18 51.55	−30 22.9	1.979	2.783	15.0	20.6

13098 1993 FM_{6} 7 10.9 325.°30 0.°6/10.7 18

6 10	19 45.19	−21 42.4	1.357	2.265	14.9	17.9
6 20	19 39.79	−22 10.4	1.292	2.258	10.6	17.6
6 30	19 31.77	−22 43.9	1.248	2.251	5.7	17.3
7 10	19 22.12	−23 18.5	1.228	2.244	0.7	16.9
7 20	19 12.16	−23 49.9	1.232	2.238	5.0	17.2
7 30	19 3.35	−24 15.1	1.261	2.232	10.1	17.5
8 9	18 56.94	−24 32.7	1.311	2.227	14.6	17.7
8 19	18 53.65	−24 43.0	1.380	2.222	18.5	18.0

67854 2000 WF_{12} 7 10.9 356.°39 2.°5/10.9 18

6 10	19 44.45	−21 29.8	1.102	2.020	16.7	17.4
6 20	19 39.41	−20 7.1	1.043	2.013	12.1	17.1
6 30	19 31.56	−18 43.1	1.005	2.007	6.8	16.8
7 10	19 22.11	−17 20.4	0.989	2.003	2.5	16.6
7 20	19 12.59	−16 2.6	0.996	2.002	5.9	16.8
7 30	19 4.59	−14 53.5	1.026	2.001	11.2	17.1
8 9	18 59.32	−13 55.3	1.076	2.003	16.0	17.3
8 19	18 57.39	−13 8.5	1.143	2.007	20.1	17.6

390838 2004 QM_{12} 7 10.9 350.°26 3.°9/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 40.38	−27 10.9	1.426	2.341	13.8	19.1
6 20	19 36.45	−28 29.7	1.362	2.330	9.9	18.9
6 30	19 30.02	−29 50.8	1.320	2.320	5.9	18.6
7 10	19 21.99	−31 6.9	1.302	2.312	3.9	18.5
7 20	19 13.59	−32 11.2	1.309	2.305	6.6	18.6
7 30	19 6.21	−32 59.0	1.339	2.299	10.8	18.8
8 9	19 1.09	−33 29.3	1.391	2.295	14.7	19.0
8 19	18 58.98	−33 43.6	1.461	2.292	18.1	19.3

359487 2010 OM_{43} 7 10.9 322.°59 4.°0/ 8.7 18

6 10	19 44.17	−29 38.2	1.993	2.889	11.4	19.7
6 20	19 38.65	−31 0.7	1.924	2.881	8.3	19.5
6 30	19 31.04	−32 22.7	1.880	2.873	5.3	19.3
7 10	19 22.08	−33 37.9	1.862	2.866	4.0	19.2
7 20	19 12.76	−34 41.0	1.872	2.859	6.0	19.3
7 30	19 4.20	−35 28.7	1.908	2.852	9.2	19.5
8 9	18 57.42	−36 0.5	1.968	2.845	12.3	19.7
8 19	18 53.11	−36 18.0	2.048	2.839	15.1	19.9

211157 2002 GP_{165} 7 10.9 351.°61 2.°3/11.5 17

6 10	19 41.00	−16 27.1	1.005	1.925	17.7	19.4
6 20	19 37.27	−16 37.1	0.948	1.918	12.9	19.1
6 30	19 30.58	−17 1.0	0.909	1.911	7.4	18.7
7 10	19 22.06	−17 36.0	0.891	1.906	2.5	18.4
7 20	19 13.20	−18 17.7	0.895	1.903	5.8	18.6
7 30	19 5.71	−19 1.0	0.920	1.901	11.4	18.9
8 9	19 0.99	−19 41.8	0.965	1.900	16.6	19.2
8 19	18 59.81	−20 17.2	1.026	1.901	21.0	19.5

97004 1999 TS_{241} 7 10.9 175.°48 3.°6/ 9.2 18

6 10	19 47.41	−30 39.6	2.173	3.061	11.0	19.5
6 20	19 40.68	−31 36.6	2.110	3.063	8.0	19.3
6 30	19 32.01	−32 30.3	2.072	3.064	5.0	19.1
7 10	19 22.17	−33 15.9	2.061	3.065	3.7	19.0
7 20	19 12.13	−33 49.8	2.078	3.066	5.4	19.2
7 30	19 2.95	−34 10.2	2.122	3.066	8.4	19.3
8 9	18 55.54	−34 17.7	2.191	3.066	11.3	19.5
8 19	18 50.49	−34 14.5	2.281	3.065	13.9	19.7

3980 Hviezdoslav 7 10.9 228.°30 0.°5/10.6 18

6 10	19 43.01	−22 52.9	2.633	3.518	9.4	18.5
6 20	19 37.26	−23 13.1	2.554	3.510	6.6	18.3
6 30	19 30.06	−23 34.8	2.502	3.502	3.5	18.1
7 10	19 22.01	−23 55.9	2.477	3.493	0.6	17.8
7 20	19 13.79	−24 14.4	2.481	3.484	3.1	18.0
7 30	19 6.15	−24 29.0	2.513	3.475	6.3	18.2
8 9	18 59.78	−24 39.2	2.571	3.465	9.2	18.4
8 19	18 55.16	−24 45.0	2.652	3.455	11.7	18.5

128775 2004 RL_{196} 7 10.9 31.°64 1.°3/11.2 18

6 10	19 43.37	−18 49.3	2.029	2.918	11.6	19.0
6 20	19 37.65	−18 34.2	1.967	2.923	8.3	18.8
6 30	19 30.28	−18 23.0	1.930	2.928	4.6	18.6
7 10	19 22.02	−18 14.8	1.919	2.934	1.4	18.3
7 20	19 13.72	−18 8.7	1.935	2.939	3.7	18.5
7 30	19 6.29	−18 3.9	1.978	2.946	7.3	18.8
8 9	19 0.46	−18 0.0	2.046	2.952	10.6	19.0
8 19	18 56.72	−17 56.6	2.136	2.959	13.5	19.2

257518 1997 GL_{25} 7 10.9 338.°27 2.°2/10.4 17

6 10	19 44.44	−25 24.1	1.179	2.097	15.9	19.8
6 20	19 39.61	−25 47.0	1.116	2.086	11.4	19.5
6 30	19 31.81	−26 11.0	1.073	2.077	6.3	19.2
7 10	19 22.16	−26 31.1	1.052	2.068	2.2	18.9
7 20	19 12.18	−26 42.9	1.055	2.060	5.9	19.2
7 30	19 3.54	−26 44.3	1.080	2.053	11.2	19.4
8 9	18 57.64	−26 36.0	1.125	2.046	16.0	19.7
8 19	18 55.25	−26 19.9	1.188	2.041	20.1	19.9

368654 2005 EK_{180} 7 10.9 320.°86 5.°9/12.4 17

6 10	19 43.56	− 9 47.6	1.270	2.161	16.9	20.5
6 20	19 38.66	− 9 25.9	1.202	2.150	13.0	20.2
6 30	19 31.20	− 9 21.2	1.153	2.140	8.9	20.0
7 10	19 22.12	− 9 34.3	1.127	2.130	6.0	19.8
7 20	19 12.66	−10 3.9	1.124	2.121	7.2	19.8
7 30	19 4.27	−10 46.5	1.143	2.112	11.2	20.0
8 9	18 58.18	−11 37.3	1.184	2.104	15.5	20.2
8 19	18 55.14	−12 31.4	1.243	2.096	19.4	20.5

336224 2008 SZ_{73} 7 10.9 246.°09 2.°0/11.5 18

6 10	19 45.09	−16 22.0	1.934	2.818	12.3	21.4
6 20	19 39.09	−16 22.2	1.856	2.808	8.9	21.2
6 30	19 31.19	−16 29.4	1.802	2.798	5.2	20.9
7 10	19 22.11	−16 42.0	1.774	2.787	2.1	20.7
7 20	19 12.79	−16 58.4	1.773	2.776	4.1	20.8
7 30	19 4.24	−17 16.8	1.799	2.765	8.0	21.0
8 9	18 57.36	−17 35.6	1.849	2.754	11.6	21.2
8 19	18 52.75	−17 53.6	1.921	2.742	14.8	21.4

523146 2016 SG_{55} 7 10.9 299.°37 0.°4/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 43.74	−21 46.6	1.899	2.794	11.9	21.5
6 20	19 38.21	−22 11.9	1.826	2.786	8.5	21.3
6 30	19 30.74	−22 40.9	1.776	2.778	4.5	21.1
7 10	19 22.08	−23 10.5	1.753	2.770	0.5	20.7
7 20	19 13.18	−23 37.7	1.757	2.762	4.0	21.0
7 30	19 5.10	−24 0.4	1.787	2.754	8.0	21.2
8 9	18 58.74	−24 17.5	1.841	2.746	11.7	21.4
8 19	18 54.72	−24 29.0	1.917	2.738	14.8	21.6

93454 2000 SP_{352} 7 10.9 172.°35 1.°8/11.8 18

6 10	19 45.14	−14 14.1	2.038	2.915	12.1	19.4
6 20	19 39.00	−14 54.2	1.969	2.917	8.8	19.2
6 30	19 31.09	−15 44.2	1.925	2.919	5.1	19.0
7 10	19 22.11	−16 41.3	1.907	2.921	2.0	18.8
7 20	19 12.93	−17 41.9	1.918	2.922	3.8	18.9
7 30	19 4.51	−18 42.3	1.957	2.923	7.5	19.1
8 9	18 57.68	−19 39.5	2.021	2.923	10.9	19.3
8 19	18 52.99	−20 31.5	2.108	2.923	13.9	19.5

63793 2001 RF_{19} 7 10.9 322.°19 1.°1/11.2 18

6 10	19 43.33	−18 29.1	1.833	2.726	12.4	19.1
6 20	19 37.90	−18 37.0	1.762	2.720	8.9	18.9
6 30	19 30.55	−18 50.8	1.715	2.715	4.9	18.7
7 10	19 22.07	−19 8.5	1.694	2.710	1.2	18.4
7 20	19 13.39	−19 27.7	1.699	2.705	4.0	18.6
7 30	19 5.55	−19 46.7	1.731	2.700	8.0	18.8
8 9	18 59.46	−20 3.9	1.786	2.695	11.7	19.0
8 19	18 55.69	−20 18.5	1.863	2.691	14.9	19.2

68960 2002 RE_{49} 7 10.9 232.°66 4.°2/ 9.6 18

6 10	19 49.62	−30 51.7	1.674	2.569	13.3	19.6
6 20	19 42.74	−31 34.4	1.606	2.562	9.7	19.4
6 30	19 33.30	−32 12.9	1.561	2.555	6.1	19.2
7 10	19 22.30	−32 41.3	1.542	2.548	4.2	19.0
7 20	19 11.02	−32 55.4	1.549	2.540	6.4	19.2
7 30	19 0.87	−32 54.1	1.581	2.533	10.1	19.4
8 9	18 53.05	−32 39.1	1.636	2.524	13.8	19.6
8 19	18 48.25	−32 13.7	1.711	2.516	17.0	19.8

299912 2006 SK_{398} 7 10.9 325.°67 3.°5/12.0 18

6 10	19 42.35	−12 41.0	1.793	2.676	13.1	20.5
6 20	19 37.21	−12 33.6	1.721	2.669	9.8	20.2
6 30	19 30.19	−12 36.7	1.671	2.662	6.2	20.0
7 10	19 22.04	−12 49.8	1.647	2.655	3.6	19.8
7 20	19 13.69	−13 11.2	1.649	2.649	4.9	19.9
7 30	19 6.13	−13 38.8	1.676	2.643	8.5	20.1
8 9	19 0.26	−14 10.0	1.727	2.637	12.0	20.3
8 19	18 56.67	−14 42.3	1.799	2.632	15.2	20.5

105941 2000 SX_{230} 7 10.9 281.°82 3.°7/ 9.9 18

6 10	19 48.64	−28 19.8	1.381	2.287	14.8	20.1
6 20	19 42.47	−29 2.4	1.311	2.274	10.8	19.8
6 30	19 33.34	−29 43.9	1.262	2.261	6.4	19.6
7 10	19 22.32	−30 17.5	1.237	2.248	3.7	19.4
7 20	19 10.85	−30 38.2	1.237	2.235	6.6	19.5
7 30	19 0.60	−30 43.5	1.261	2.222	11.2	19.7
8 9	18 52.97	−30 34.9	1.306	2.210	15.6	20.0
8 19	18 48.79	−30 15.3	1.370	2.197	19.4	20.2

496319 2013 HG_{50} 7 10.9 244.°41 1.°1/11.1 17

6 10	19 49.15	−19 46.0	1.404	2.302	15.1	21.9
6 20	19 42.54	−19 40.2	1.333	2.294	10.9	21.6
6 30	19 33.25	−19 39.6	1.285	2.285	6.0	21.3
7 10	19 22.31	−19 41.6	1.261	2.277	1.2	21.0
7 20	19 11.06	−19 44.3	1.262	2.267	4.9	21.2
7 30	19 0.98	−19 46.2	1.288	2.258	10.1	21.5
8 9	18 53.31	−19 46.8	1.336	2.248	14.7	21.7
8 19	18 48.81	−19 46.1	1.404	2.238	18.6	21.9

410741 2009 CQ_{53} 7 10.9 102.°19 2.°9/10.1 17

6 10	19 51.11	−26 53.1	1.444	2.344	14.7	21.2
6 20	19 43.68	−27 37.0	1.399	2.361	10.4	21.0
6 30	19 33.70	−28 19.3	1.377	2.377	5.9	20.7
7 10	19 22.34	−28 54.0	1.380	2.393	2.9	20.6
7 20	19 11.01	−29 16.9	1.409	2.408	5.7	20.8
7 30	19 1.19	−29 26.8	1.462	2.423	10.0	21.1
8 9	18 53.95	−29 25.1	1.539	2.437	13.9	21.4
8 19	18 49.87	−29 14.4	1.634	2.451	17.2	21.6

298793 2004 QE_{3} 7 10.9 94.°67 4.°8/12.4 17

6 10	19 46.81	−10 35.5	1.307	2.194	16.8	20.3
6 20	19 40.74	−10 36.0	1.252	2.201	12.6	20.1
6 30	19 32.19	−10 53.4	1.219	2.208	8.2	19.8
7 10	19 22.22	−11 26.4	1.208	2.215	5.0	19.7
7 20	19 12.13	−12 11.5	1.222	2.222	6.3	19.8
7 30	19 3.29	−13 4.4	1.260	2.228	10.4	20.0
8 9	18 56.82	−14 0.1	1.319	2.235	14.6	20.3
8 19	18 53.36	−14 54.6	1.398	2.241	18.2	20.5

343444 Halluzinelle 7 10.9 230.°16 1.°1/11.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 45.45	−18 43.4	1.953	2.840	12.0	21.2
6 20	19 39.31	−18 43.6	1.879	2.834	8.6	21.0
6 30	19 31.29	−18 48.4	1.830	2.828	4.8	20.8
7 10	19 22.15	−18 56.3	1.807	2.822	1.2	20.5
7 20	19 12.83	−19 5.5	1.811	2.816	3.9	20.7
7 30	19 4.33	−19 14.7	1.843	2.809	7.8	20.9
8 9	18 57.53	−19 22.9	1.899	2.803	11.4	21.1
8 19	18 53.02	−19 29.7	1.976	2.796	14.5	21.3

80164 1999 TZ_{264} 7 10.9 14.°90 27.°6/24.9 18

6 10	19 42.48	+24 56.9	0.972	1.721	30.7	18.8
6 20	19 38.34	+27 51.3	0.943	1.722	29.7	18.7
6 30	19 31.17	+29 51.2	0.924	1.725	28.7	18.7
7 10	19 22.16	+30 45.9	0.914	1.728	28.0	18.6
7 20	19 12.83	+30 30.6	0.913	1.732	27.7	18.6
7 30	19 4.95	+29 7.7	0.923	1.738	27.7	18.7
8 9	18 59.93	+26 47.7	0.943	1.744	28.0	18.7
8 19	18 58.56	+23 45.4	0.974	1.751	28.7	18.8

218592 2005 MF_{37} 7 10.9 292.°15 0.°1/10.9 17

6 10	19 47.60	−22 56.0	1.493	2.394	14.2	20.4
6 20	19 41.44	−22 46.0	1.414	2.377	10.2	20.1
6 30	19 32.69	−22 37.0	1.358	2.360	5.5	19.8
7 10	19 22.30	−22 26.5	1.326	2.343	0.5	19.4
7 20	19 11.54	−22 12.9	1.320	2.326	4.8	19.6
7 30	19 1.84	−21 55.7	1.339	2.309	9.8	19.9
8 9	18 54.42	−21 35.7	1.380	2.292	14.3	20.1
8 19	18 50.03	−21 14.2	1.441	2.276	18.2	20.3

470677 2008 SD_{246} 7 10.9 241.°56 4.°1/ 9.8 18

6 10	19 50.35	−33 37.2	2.090	2.973	11.5	21.2
6 20	19 42.89	−33 54.8	2.011	2.960	8.6	21.0
6 30	19 33.27	−34 5.1	1.957	2.946	5.6	20.8
7 10	19 22.34	−34 4.1	1.930	2.933	4.1	20.6
7 20	19 11.22	−33 49.3	1.931	2.918	5.8	20.7
7 30	19 1.07	−33 20.9	1.958	2.904	8.9	20.9
8 9	18 52.91	−32 41.4	2.010	2.889	12.0	21.0
8 19	18 47.35	−31 54.1	2.083	2.873	14.9	21.2

440546 2005 UT_{224} 7 10.9 318.°76 1.°3/11.2 18

6 10	19 42.94	−18 43.9	1.887	2.780	12.1	21.2
6 20	19 37.63	−18 35.6	1.810	2.767	8.7	21.0
6 30	19 30.44	−18 31.9	1.756	2.755	4.9	20.7
7 10	19 22.11	−18 31.7	1.727	2.743	1.4	20.5
7 20	19 13.56	−18 33.5	1.726	2.731	4.0	20.6
7 30	19 5.79	−18 36.2	1.750	2.719	8.0	20.8
8 9	18 59.70	−18 39.0	1.799	2.708	11.7	21.1
8 19	18 55.88	−18 41.4	1.869	2.698	14.9	21.2

224312 2005 UL_{24} 7 10.9 172.°17 3.°4/ 9.7 17

6 10	19 49.19	−30 33.0	2.110	2.996	11.3	21.9
6 20	19 41.94	−31 12.1	2.047	2.999	8.2	21.7
6 30	19 32.69	−31 47.1	2.009	3.002	5.1	21.5
7 10	19 22.30	−32 13.7	1.998	3.004	3.4	21.4
7 20	19 11.78	−32 28.8	2.015	3.006	5.2	21.5
7 30	19 2.22	−32 31.6	2.059	3.007	8.4	21.7
8 9	18 54.53	−32 23.3	2.128	3.007	11.4	21.9
8 19	18 49.30	−32 6.3	2.218	3.007	14.1	22.1

371492 2006 TT_{93} 7 10.9 218.°21 0.°9/10.6 17

6 10	19 47.89	−22 46.3	1.845	2.736	12.4	21.9
6 20	19 41.25	−23 17.8	1.771	2.729	8.8	21.6
6 30	19 32.44	−23 52.3	1.721	2.722	4.8	21.4
7 10	19 22.29	−24 26.0	1.697	2.714	0.9	21.1
7 20	19 11.86	−24 55.4	1.701	2.705	4.3	21.3
7 30	19 2.30	−25 18.2	1.732	2.696	8.5	21.5
8 9	18 54.65	−25 33.6	1.787	2.686	12.3	21.7
8 19	18 49.56	−25 42.4	1.863	2.676	15.5	21.9

290257 2005 SA_{118} 7 10.9 278.°43 0.°0/10.9 17

6 10	19 45.56	−19 56.5	1.602	2.500	13.6	20.5
6 20	19 39.87	−20 32.6	1.526	2.487	9.7	20.2
6 30	19 31.82	−21 15.9	1.473	2.475	5.3	19.9
7 10	19 22.25	−22 2.6	1.445	2.462	0.4	19.5
7 20	19 12.28	−22 48.2	1.444	2.449	4.5	19.8
7 30	19 3.19	−23 29.2	1.468	2.436	9.2	20.1
8 9	18 56.14	−24 3.4	1.515	2.424	13.5	20.3
8 19	18 51.86	−24 30.2	1.582	2.411	17.1	20.5

300773 2007 VV_{258} 7 10.9 78.°57 3.°4/ 9.3 17

6 10	19 46.19	−28 26.0	1.917	2.812	11.9	20.1
6 20	19 39.94	−29 38.3	1.867	2.824	8.5	19.9
6 30	19 31.67	−30 49.1	1.840	2.836	5.1	19.7
7 10	19 22.22	−31 52.4	1.841	2.848	3.4	19.6
7 20	19 12.64	−32 43.8	1.869	2.860	5.5	19.8
7 30	19 4.04	−33 20.7	1.923	2.872	8.8	20.0
8 9	18 57.35	−33 43.6	2.002	2.884	11.9	20.2
8 19	18 53.15	−33 54.1	2.100	2.896	14.6	20.4

314374 2005 UJ_{49} 7 10.9 195°.16 4°.2/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 46.34	−38 4.1	3.249	4.115	8.3	22.6
6 20	19 39.52	−38 40.6	3.179	4.111	6.4	22.5
6 30	19 31.27	−39 10.2	3.136	4.108	4.8	22.4
7 10	19 22.19	−39 29.9	3.121	4.103	4.2	22.3
7 20	19 13.00	−39 37.7	3.135	4.098	5.2	22.4
7 30	19 4.44	−39 33.4	3.176	4.093	6.9	22.5
8 9	18 57.18	−39 17.9	3.243	4.087	8.8	22.6
8 19	18 51.68	−38 53.4	3.332	4.081	10.6	22.7

180395 2004 AH_{13} 7 10.9 152°.39 0°.0/10.9 17

6 10	19 46.87	−20 9.2	1.538	2.436	14.1	20.7
6 20	19 40.70	−20 41.4	1.477	2.438	10.0	20.4
6 30	19 32.18	−21 19.9	1.438	2.439	5.4	20.2
7 10	19 22.28	−22 0.5	1.424	2.441	0.5	19.8
7 20	19 12.17	−22 39.1	1.436	2.442	4.5	20.1
7 30	19 3.15	−23 12.6	1.474	2.443	9.2	20.4
8 9	18 56.32	−23 39.5	1.535	2.444	13.3	20.6
8 19	18 52.31	−23 59.6	1.616	2.445	16.8	20.9

263595 2008 FR_{117} 7 10.9 224°.47 4°.2/12.1 17

6 10	19 45.92	−11 37.7	1.714	2.591	14.0	20.9
6 20	19 39.82	−11 22.6	1.643	2.586	10.5	20.7
6 30	19 31.65	−11 18.9	1.593	2.581	6.9	20.5
7 10	19 22.24	−11 26.4	1.569	2.575	4.3	20.3
7 20	19 12.59	−11 43.8	1.572	2.569	5.5	20.4
7 30	19 3.84	−12 9.0	1.600	2.563	9.1	20.6
8 9	18 56.93	−12 39.2	1.651	2.556	12.8	20.8
8 19	18 52.50	−13 11.9	1.724	2.550	16.0	21.0

44461 1998 VH_{17} 7 10.9 3°.93 6°.2/12.6 18

6 10	19 42.11	− 8 6.9	1.518	2.396	15.3	17.7
6 20	19 37.21	− 7 33.2	1.457	2.396	11.9	17.5
6 30	19 30.26	− 7 15.1	1.417	2.396	8.5	17.3
7 10	19 22.12	− 7 13.7	1.400	2.397	6.3	17.2
7 20	19 13.83	− 7 28.4	1.408	2.398	7.1	17.3
7 30	19 6.52	− 7 56.9	1.440	2.401	10.1	17.4
8 9	19 1.13	− 8 35.1	1.494	2.404	13.5	17.7
8 19	18 58.25	− 9 18.8	1.567	2.407	16.7	17.9

337114 1999 RZ_{204} 7 10.9 282°.85 5°.0/11.8 18

6 10	19 45.79	−10 22.4	1.911	2.779	13.1	20.7
6 20	19 39.76	− 9 40.4	1.814	2.750	10.2	20.4
6 30	19 31.68	− 9 7.4	1.741	2.721	7.1	20.2
7 10	19 22.25	− 8 44.9	1.693	2.692	5.1	20.0
7 20	19 12.37	− 8 33.3	1.672	2.662	6.2	20.0
7 30	19 3.09	− 8 32.7	1.677	2.632	9.4	20.1
8 9	18 55.39	− 8 41.3	1.706	2.601	12.9	20.3
8 19	18 50.00	− 8 57.2	1.755	2.571	16.2	20.4

217822 2001 FK_{47} 7 10.9 44°.32 5°.0/ 9.8 17

6 10	19 49.08	−30 45.8	1.161	2.073	16.5	19.4
6 20	19 42.66	−31 31.8	1.126	2.091	11.9	19.2
6 30	19 33.27	−32 10.9	1.111	2.109	7.4	19.0
7 10	19 22.36	−32 36.2	1.120	2.128	5.0	18.9
7 20	19 11.63	−32 43.5	1.151	2.147	7.4	19.1
7 30	19 2.77	−32 33.0	1.206	2.167	11.6	19.4
8 9	18 56.94	−32 8.2	1.281	2.187	15.6	19.7
8 19	18 54.64	−31 33.8	1.374	2.207	19.0	20.0

354098 2001 XF_{248} 7 10.9 100°.22 0°.1/10.9 18

6 10	19 44.99	−22 13.2	2.164	3.052	11.0	21.0
6 20	19 38.79	−22 2.5	2.097	3.054	7.8	20.8
6 30	19 30.93	−21 52.8	2.055	3.055	4.2	20.6
7 10	19 22.17	−21 42.8	2.040	3.057	0.4	20.3
7 20	19 13.36	−21 31.4	2.053	3.058	3.5	20.5
7 30	19 5.39	−21 18.4	2.094	3.060	7.1	20.8
8 9	18 59.00	−21 4.0	2.160	3.061	10.4	21.0
8 19	18 54.70	−20 48.7	2.248	3.063	13.1	21.2

35880 1999 JC_{76} 7 10.9 8°.89 5°.4/11.9 18

6 10	19 43.95	−12 32.1	1.081	1.987	18.0	16.7
6 20	19 39.08	−11 54.4	1.029	1.988	13.5	16.4
6 30	19 31.45	−11 31.7	0.996	1.989	8.8	16.2
7 10	19 22.24	−11 25.0	0.984	1.992	5.5	16.0
7 20	19 12.88	−11 33.1	0.994	1.995	7.2	16.1
7 30	19 4.93	−11 53.5	1.026	2.000	11.6	16.4
8 9	18 59.62	−12 22.1	1.078	2.005	16.1	16.6
8 19	18 57.60	−12 54.7	1.148	2.011	20.0	16.9

308727 2006 HF_{29} 7 10.9 155°.09 0°.6/11.1 17

6 10	19 48.73	−19 9.0	1.530	2.423	14.4	21.4
6 20	19 41.98	−19 31.1	1.470	2.428	10.2	21.1
6 30	19 32.86	−19 59.7	1.433	2.433	5.6	20.9
7 10	19 22.36	−20 31.5	1.421	2.437	0.8	20.5
7 20	19 11.70	−21 2.7	1.435	2.440	4.5	20.8
7 30	19 2.21	−21 30.5	1.475	2.444	9.2	21.1
8 9	18 54.95	−21 53.7	1.538	2.446	13.4	21.4
8 19	18 50.57	−22 11.7	1.622	2.449	16.8	21.6

202851 2008 TW_{90} 7 10.9 340°.75 13°.0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 38.98	−40 53.7	0.981	1.902	18.0	18.8
6 20	19 37.01	−43 5.2	0.918	1.873	15.1	18.5
6 30	19 31.09	−45 6.1	0.873	1.847	13.2	18.3
7 10	19 22.26	−46 40.9	0.847	1.822	13.4	18.2
7 20	19 12.44	−47 36.6	0.840	1.799	15.6	18.3
7 30	19 4.19	−47 47.7	0.849	1.779	19.1	18.4
8 9	18 59.72	−47 17.5	0.874	1.762	22.7	18.5
8 19	19 0.20	−46 14.0	0.911	1.748	26.1	18.7

442147 2010 VK_{59} 7 10.9 187°.56 3°.8/ 9.5 18

6 10	19 45.86	−34 14.9	2.524	3.406	9.9	21.7
6 20	19 39.39	−34 40.0	2.459	3.405	7.3	21.5
6 30	19 31.27	−34 58.8	2.419	3.405	4.9	21.4
7 10	19 22.24	−35 8.3	2.406	3.405	3.8	21.3
7 20	19 13.12	−35 6.4	2.421	3.404	5.2	21.4
7 30	19 4.83	−34 53.0	2.463	3.403	7.6	21.6
8 9	18 58.11	−34 29.4	2.530	3.402	10.1	21.7
8 19	18 53.45	−33 58.0	2.619	3.401	12.4	21.9

165583 2001 EF_{22} 7 10.9 168°.67 4°.4/12.5 18

6 10	19 43.56	− 9 27.8	1.883	2.752	13.2	19.8
6 20	19 37.97	− 9 24.6	1.816	2.753	10.1	19.6
6 30	19 30.60	− 9 34.3	1.771	2.753	6.8	19.5
7 10	19 22.18	− 9 56.3	1.752	2.754	4.5	19.3
7 20	19 13.61	−10 29.0	1.759	2.754	5.4	19.4
7 30	19 5.85	−11 9.6	1.793	2.754	8.4	19.5
8 9	18 59.71	−11 54.8	1.850	2.755	11.7	19.7
8 19	18 55.76	−12 41.4	1.930	2.755	14.6	19.9

231313 2006 BH_{263} 7 10.9 156°.99 5°.3/ 9.4 17

6 10	19 52.27	−37 57.1	2.241	3.113	11.3	21.2
6 20	19 44.05	−38 25.9	2.184	3.120	8.7	21.1
6 30	19 33.79	−38 44.5	2.151	3.127	6.3	20.9
7 10	19 22.46	−38 48.6	2.145	3.133	5.3	20.9
7 20	19 11.14	−38 36.1	2.167	3.138	6.5	21.0
7 30	19 0.98	−38 7.7	2.215	3.143	8.9	21.1
8 9	18 52.88	−37 26.4	2.288	3.148	11.5	21.3
8 19	18 47.36	−36 36.2	2.383	3.152	13.8	21.5

434676 2006 AV_{90} 7 10.9 89°.13 1°.6/11.7 18

6 10	19 45.08	−14 27.5	1.702	2.588	13.6	20.7
6 20	19 39.25	−15 24.8	1.641	2.594	9.8	20.5
6 30	19 31.37	−16 34.4	1.603	2.599	5.6	20.2
7 10	19 22.27	−17 52.0	1.590	2.605	1.8	20.0
7 20	19 12.95	−19 12.2	1.605	2.611	4.2	20.2
7 30	19 4.55	−20 29.8	1.647	2.616	8.4	20.5
8 9	18 58.02	−21 40.9	1.714	2.622	12.2	20.7
8 19	18 53.98	−22 43.3	1.802	2.628	15.5	20.9

36101 1999 RY_{115} 7 10.9 295°.99 4°.4/12.8 18

6 10	19 41.32	− 8 3.3	2.099	2.962	12.3	18.0
6 20	19 36.38	− 8 10.5	2.015	2.948	9.5	17.8
6 30	19 29.77	− 8 31.3	1.955	2.933	6.6	17.6
7 10	19 22.13	− 9 5.2	1.920	2.919	4.6	17.4
7 20	19 14.22	− 9 50.5	1.911	2.905	5.2	17.5
7 30	19 6.91	−10 44.2	1.930	2.890	8.0	17.6
8 9	19 0.97	−11 42.8	1.973	2.876	11.1	17.8
8 19	18 56.99	−12 42.8	2.038	2.862	14.0	17.9

306964 2001 VN_{9} 7 10.9 185°.46 2°.3/11.5 17

6 10	19 49.09	−16 22.3	1.616	2.501	14.2	20.6
6 20	19 42.14	−16 13.8	1.549	2.502	10.3	20.4
6 30	19 32.94	−16 12.9	1.506	2.502	6.0	20.2
7 10	19 22.40	−16 18.2	1.487	2.501	2.5	19.9
7 20	19 11.69	−16 27.7	1.496	2.499	4.8	20.1
7 30	19 2.05	−16 40.0	1.531	2.498	9.1	20.3
8 9	18 54.51	−16 53.4	1.589	2.495	13.1	20.6
8 19	18 49.71	−17 6.9	1.668	2.492	16.6	20.8

125113 2001 UF_{45} 7 10.9 200°.05 2°.5/10.1 18

6 10	19 47.20	−26 25.3	1.620	2.521	13.3	19.6
6 20	19 40.96	−27 5.5	1.559	2.520	9.5	19.4
6 30	19 32.36	−27 45.6	1.520	2.520	5.4	19.2
7 10	19 22.36	−28 20.6	1.507	2.520	2.5	19.0
7 20	19 12.15	−28 46.4	1.520	2.520	5.3	19.2
7 30	19 3.06	−29 1.0	1.559	2.520	9.4	19.4
8 9	18 56.17	−29 4.9	1.620	2.520	13.3	19.6
8 19	18 52.12	−28 59.7	1.701	2.520	16.5	19.8

512743 2016 UX_{30} 7 10.9 223°.30 3°.2/ 9.9 18

6 10	19 47.13	−32 51.7	2.655	3.534	9.5	21.7
6 20	19 40.23	−33 3.8	2.579	3.526	7.0	21.5
6 30	19 31.72	−33 10.3	2.528	3.517	4.5	21.3
7 10	19 22.30	−33 8.4	2.505	3.508	3.2	21.2
7 20	19 12.77	−32 56.6	2.510	3.499	4.6	21.3
7 30	19 4.00	−32 34.8	2.544	3.489	7.1	21.5
8 9	18 56.73	−32 4.6	2.604	3.479	9.7	21.6
8 19	18 51.45	−31 28.0	2.686	3.469	12.1	21.8

132805 2002 QQ_8 7 10.9 322°.30 2°.7/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 44.55	−26 3.0	1.661	2.564	12.9	19.2
6 20	19 39.16	−26 58.2	1.592	2.555	9.2	19.0
6 30	19 31.45	−27 55.2	1.546	2.547	5.3	18.7
7 10	19 22.29	−28 48.3	1.526	2.539	2.7	18.5
7 20	19 12.80	−29 32.8	1.532	2.531	5.4	18.7
7 30	19 4.25	−30 5.3	1.563	2.524	9.5	18.9
8 9	18 57.75	−30 25.4	1.617	2.517	13.3	19.1
8 19	18 54.00	−30 34.1	1.691	2.510	16.6	19.3

233888 2008 XZ_{22} 7 10.9 267°.57 1°.4/11.4 18

6 10	19 44.67	−17 41.2	1.838	2.727	12.6	20.3
6 20	19 38.92	−17 49.8	1.763	2.719	9.1	20.1
6 30	19 31.20	−18 5.1	1.712	2.711	5.1	19.9
7 10	19 22.27	−18 25.0	1.687	2.702	1.5	19.6
7 20	19 13.10	−18 47.2	1.689	2.694	4.0	19.8
7 30	19 4.75	−19 9.6	1.717	2.685	8.1	20.0
8 9	18 58.14	−19 30.6	1.769	2.677	11.9	20.2
8 19	18 53.90	−19 49.2	1.842	2.668	15.2	20.4

244731 2003 RT_{12} 7 10.9 310°.11 3°.9/ 9.6 18

6 10	19 45.58	−26 35.8	1.195	2.111	15.8	19.6
6 20	19 40.85	−27 40.8	1.117	2.086	11.5	19.2
6 30	19 32.82	−28 50.5	1.059	2.060	6.8	18.9
7 10	19 22.44	−29 56.9	1.023	2.035	3.9	18.7
7 20	19 11.20	−30 51.6	1.011	2.011	7.4	18.8
7 30	19 1.00	−31 29.1	1.021	1.987	12.6	19.0
8 9	18 53.58	−31 48.3	1.051	1.963	17.7	19.2
8 19	18 50.04	−31 51.2	1.097	1.941	22.1	19.4

336642 2009 WR_{77} 7 10.9 36°.65 0°.6/10.8 17

6 10	19 46.91	−23 26.2	1.535	2.436	13.9	20.9
6 20	19 40.69	−23 30.8	1.477	2.440	9.8	20.6
6 30	19 32.17	−23 36.7	1.441	2.443	5.3	20.4
7 10	19 22.36	−23 40.8	1.431	2.447	0.7	20.0
7 20	19 12.47	−23 41.1	1.446	2.451	4.5	20.3
7 30	19 3.78	−23 36.5	1.486	2.455	9.1	20.6
8 9	18 57.32	−23 27.5	1.549	2.460	13.1	20.9
8 19	18 53.68	−23 15.1	1.633	2.464	16.5	21.1

78264 2002 PZ_{23} 7 10.9 237°.25 0°.5/10.8 18

6 10	19 49.49	−23 44.0	1.666	2.560	13.4	19.7
6 20	19 42.52	−23 39.5	1.592	2.551	9.5	19.5
6 30	19 33.20	−23 35.2	1.542	2.543	5.2	19.2
7 10	19 22.45	−23 28.4	1.517	2.533	0.7	18.8
7 20	19 11.48	−23 17.4	1.519	2.524	4.5	19.1
7 30	19 1.57	−23 1.7	1.548	2.514	9.0	19.4
8 9	18 53.82	−22 42.3	1.600	2.504	13.2	19.6
8 19	18 48.89	−22 20.8	1.672	2.494	16.6	19.8

196345 2003 FB_{84} 7 10.9 145°.34 2°.8/10.1 17

6 10	19 51.29	−26 46.9	1.477	2.375	14.5	20.3
6 20	19 43.97	−27 30.4	1.422	2.383	10.3	20.1
6 30	19 34.01	−28 13.1	1.390	2.389	5.9	19.9
7 10	19 22.52	−28 48.8	1.383	2.396	2.8	19.7
7 20	19 10.91	−29 13.2	1.402	2.401	5.7	19.9
7 30	19 0.67	−29 24.4	1.446	2.407	10.1	20.2
8 9	18 52.97	−29 23.8	1.513	2.411	14.1	20.4
8 19	18 48.47	−29 13.9	1.599	2.415	17.5	20.7

147723 2005 MX_9 7 10.9 332°.74 0°.8/11.1 18

6 10	19 42.17	−19 10.9	1.164	2.080	16.2	19.0
6 20	19 38.06	−19 26.4	1.095	2.064	11.7	18.7
6 30	19 31.11	−19 51.4	1.045	2.048	6.5	18.3
7 10	19 22.29	−20 22.5	1.017	2.033	1.1	17.9
7 20	19 13.00	−20 55.6	1.012	2.020	5.3	18.2
7 30	19 4.85	−21 26.8	1.030	2.007	10.9	18.5
8 9	18 59.24	−21 53.5	1.067	1.996	16.0	18.7
8 19	18 57.03	−22 14.4	1.122	1.986	20.3	19.0

395919 2013 AH_{90} 7 10.9 240°.05 2°.1/ 9.9 18

6 10	19 44.71	−25 37.5	2.127	3.020	11.0	21.1
6 20	19 38.86	−26 31.7	2.057	3.015	7.8	20.9
6 30	19 31.14	−27 27.2	2.012	3.011	4.4	20.7
7 10	19 22.29	−28 19.5	1.993	3.006	2.1	20.5
7 20	19 13.18	−29 4.9	2.003	3.001	4.4	20.7
7 30	19 4.81	−29 40.8	2.040	2.996	7.9	20.9
8 9	18 58.06	−30 6.4	2.101	2.991	11.1	21.1
8 19	18 53.53	−30 22.4	2.184	2.986	13.9	21.3

353288 2010 GO_{97} 7 10.9 316°.19 0°.5/10.7 18

6 10	19 43.76	−21 4.5	1.755	2.653	12.6	20.3
6 20	19 38.42	−21 44.4	1.684	2.646	9.0	20.0
6 30	19 31.00	−22 29.9	1.637	2.638	4.8	19.8
7 10	19 22.28	−23 17.0	1.615	2.631	0.6	19.5
7 20	19 13.28	−24 1.7	1.619	2.624	4.2	19.7
7 30	19 5.13	−24 40.8	1.650	2.617	8.5	20.0
8 9	18 58.81	−25 12.5	1.704	2.611	12.3	20.2
8 19	18 54.99	−25 36.6	1.779	2.605	15.6	20.4

501894 2014 WS_{428} 7 10.9 175°.43 4°.0/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 50.62	−32 19.7	2.125	3.007	11.4	22.4
6 20	19 43.01	−33 0.3	2.061	3.010	8.4	22.2
6 30	19 33.34	−33 35.5	2.023	3.013	5.4	22.1
7 10	19 22.48	−34 0.5	2.012	3.014	4.0	22.0
7 20	19 11.49	−34 12.3	2.029	3.015	5.7	22.1
7 30	19 1.49	−34 10.3	2.073	3.015	8.6	22.3
8 9	18 53.44	−33 56.1	2.141	3.015	11.6	22.5
8 19	18 47.91	−33 32.5	2.231	3.014	14.2	22.6

291035 2005 YE_{37} 7 10.9 262°.64 5°.5/11.0 17

6 10	20 2.34	−35 26.9	1.093	1.990	18.5	20.2
6 20	19 52.90	−34 56.3	1.021	1.977	14.0	19.9
6 30	19 39.22	−34 6.0	0.970	1.963	9.0	19.6
7 10	19 23.00	−32 48.9	0.941	1.949	5.5	19.4
7 20	19 6.60	−31 4.5	0.937	1.935	8.1	19.5
7 30	18 52.49	−29 0.3	0.957	1.921	13.5	19.7
8 9	18 42.43	−26 48.3	0.997	1.906	18.8	20.0
8 19	18 37.13	−24 39.6	1.056	1.891	23.4	20.2

240549 2004 RC_7 7 10.9 239°.38 5°.1/ 8.8 18

6 10	19 49.44	−34 16.0	2.041	2.926	11.7	20.9
6 20	19 42.49	−35 13.9	1.966	2.913	8.8	20.7
6 30	19 33.23	−36 6.2	1.915	2.900	6.2	20.5
7 10	19 22.49	−36 47.1	1.891	2.886	5.1	20.4
7 20	19 11.37	−37 12.3	1.893	2.872	6.8	20.5
7 30	19 1.14	−37 20.1	1.922	2.857	9.7	20.6
8 9	18 52.89	−37 12.0	1.975	2.842	12.7	20.8
8 19	18 47.34	−36 51.2	2.047	2.826	15.4	21.0

206132 2002 SY_{60} 7 10.9 296°.81 2°.1/10.1 18

6 10	19 45.01	−25 45.6	1.827	2.725	12.2	20.0
6 20	19 39.30	−26 25.2	1.756	2.717	8.7	19.8
6 30	19 31.47	−27 5.7	1.708	2.709	4.9	19.5
7 10	19 22.33	−27 42.7	1.687	2.700	2.1	19.3
7 20	19 12.92	−28 12.6	1.692	2.692	4.8	19.5
7 30	19 4.39	−28 33.0	1.723	2.684	8.7	19.7
8 9	18 57.73	−28 43.7	1.778	2.676	12.3	19.9
8 19	18 53.61	−28 45.7	1.853	2.669	15.5	20.1

120525 1994 PV_6 7 10.9 315°.29 2°.0/10.6 18

6 10	19 46.69	−25 47.5	1.108	2.026	16.7	19.2
6 20	19 41.58	−25 55.8	1.036	2.006	12.0	18.9
6 30	19 33.15	−26 3.7	0.983	1.987	6.7	18.6
7 10	19 22.50	−26 6.4	0.952	1.968	2.1	18.2
7 20	19 11.27	−26 0.1	0.944	1.950	6.2	18.4
7 30	19 1.38	−25 43.4	0.958	1.933	12.0	18.7
8 9	18 54.46	−25 18.2	0.992	1.916	17.4	18.9
8 19	18 51.43	−24 47.2	1.042	1.901	21.9	19.1

49046 1998 RV_{18} 7 10.9 15°.54 2°.8/10.2 18

6 10	19 44.52	−25 54.3	1.072	1.994	16.7	17.6
6 20	19 39.71	−26 31.4	1.026	1.998	11.9	17.4
6 30	19 31.90	−27 9.0	1.000	2.004	6.6	17.1
7 10	19 22.37	−27 40.8	0.996	2.010	2.8	16.9
7 20	19 12.76	−28 1.7	1.014	2.018	6.3	17.1
7 30	19 4.78	−28 9.7	1.055	2.027	11.4	17.5
8 9	18 59.71	−28 5.6	1.115	2.037	16.1	17.8
8 19	18 58.17	−27 52.0	1.192	2.048	19.9	18.0

474565 2004 CJ_{25} 7 10.9 195°.19 2°.4/10.2 17

6 10	19 47.06	−28 50.6	2.138	3.027	11.1	21.8
6 20	19 40.42	−29 6.0	2.070	3.026	7.9	21.6
6 30	19 31.92	−29 18.1	2.028	3.025	4.6	21.4
7 10	19 22.38	−29 23.9	2.012	3.023	2.4	21.3
7 20	19 12.74	−29 21.3	2.024	3.021	4.5	21.4
7 30	19 4.00	−29 9.9	2.063	3.020	7.8	21.6
8 9	18 57.02	−28 50.8	2.127	3.017	11.0	21.8
8 19	18 52.32	−28 26.0	2.213	3.015	13.7	22.0

396007 2013 BC_{62} 7 10.9 192°.77 0°.0/10.9 18

6 10	19 43.80	−21 1.2	2.407	3.292	10.1	22.1
6 20	19 37.94	−21 21.8	2.335	3.290	7.2	22.0
6 30	19 30.55	−21 45.4	2.289	3.289	3.9	21.7
7 10	19 22.27	−22 9.7	2.271	3.287	0.3	21.4
7 20	19 13.84	−22 32.5	2.281	3.285	3.2	21.7
7 30	19 6.09	−22 52.3	2.319	3.283	6.6	21.9
8 9	18 59.72	−23 8.2	2.383	3.280	9.7	22.1
8 19	18 55.22	−23 20.0	2.469	3.278	12.3	22.3

410702 2008 YH_{162} 7 10.9 146°.94 0°.8/11.1 17

6 10	19 50.64	−20 49.4	1.462	2.358	14.8	21.7
6 20	19 43.38	−20 37.5	1.403	2.363	10.6	21.5
6 30	19 33.65	−20 28.7	1.367	2.368	5.8	21.2
7 10	19 22.54	−20 20.9	1.356	2.372	0.9	20.9
7 20	19 11.37	−20 12.7	1.371	2.376	4.7	21.2
7 30	19 1.53	−20 3.5	1.411	2.380	9.5	21.5
8 9	18 54.09	−19 53.5	1.475	2.384	13.8	21.7
8 19	18 49.67	−19 43.2	1.558	2.387	17.3	22.0

256609 2007 VB_{86} 7 10.9 293.°88 0.°2/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 48.13	−21 59.0	1.310	2.216	15.5	21.0
6 20	19 42.27	−21 52.4	1.227	2.192	11.2	20.6
6 30	19 33.42	−21 48.4	1.166	2.168	6.1	20.3
7 10	19 22.55	−21 44.5	1.128	2.144	0.6	19.8
7 20	19 11.05	−21 38.2	1.114	2.120	5.3	20.1
7 30	19 0.61	−21 28.4	1.124	2.096	10.9	20.3
8 9	18 52.69	−21 15.6	1.155	2.073	16.0	20.6
8 19	18 48.21	−21 0.7	1.205	2.049	20.4	20.8

35026 1981 EM_{16} 7 10.9 337.°55 3.°4/ 9.9 18

6 10	19 46.52	−31 52.7	2.086	2.976	11.3	19.1
6 20	19 40.10	−32 7.2	2.021	2.975	8.2	18.9
6 30	19 31.77	−32 16.0	1.980	2.973	5.1	18.7
7 10	19 22.38	−32 15.8	1.965	2.971	3.4	18.6
7 20	19 12.91	−32 4.6	1.977	2.970	5.2	18.7
7 30	19 4.42	−31 42.6	2.016	2.968	8.2	18.9
8 9	18 57.75	−31 11.5	2.080	2.967	11.3	19.1
8 19	18 53.46	−30 33.9	2.164	2.966	14.0	19.2

420419 2012 DL_{17} 7 10.9 195.°90 0.°9/11.3 17

6 10	19 47.75	−17 47.3	1.694	2.583	13.5	21.4
6 20	19 41.25	−18 17.8	1.625	2.581	9.7	21.1
6 30	19 32.53	−18 56.4	1.580	2.579	5.4	20.9
7 10	19 22.46	−19 39.7	1.560	2.576	1.1	20.6
7 20	19 12.13	−20 23.8	1.568	2.573	4.2	20.8
7 30	19 2.73	−21 5.4	1.602	2.569	8.7	21.1
8 9	18 55.32	−21 42.2	1.660	2.565	12.7	21.3
8 19	18 50.55	−22 13.4	1.738	2.560	16.1	21.5

293833 2007 RW_{205} 7 10.9 300.°06 4.°4/ 9.8 17

6 10	19 48.56	−29 33.8	1.243	2.153	15.8	20.5
6 20	19 42.80	−30 15.4	1.171	2.136	11.6	20.2
6 30	19 33.78	−30 54.5	1.120	2.119	7.1	19.9
7 10	19 22.59	−31 23.7	1.092	2.102	4.4	19.7
7 20	19 10.83	−31 37.2	1.087	2.085	7.4	19.8
7 30	19 0.38	−31 32.8	1.106	2.069	12.2	20.0
8 9	18 52.83	−31 12.5	1.144	2.053	16.9	20.3
8 19	18 49.07	−30 40.5	1.200	2.037	21.0	20.5

388888 2008 RH_{120} 7 10.9 274.°57 3.°0/ 9.7 18

6 10	19 46.40	−27 17.2	1.810	2.706	12.3	20.5
6 20	19 40.45	−28 11.6	1.732	2.692	8.9	20.2
6 30	19 32.19	−29 6.7	1.679	2.678	5.2	20.0
7 10	19 22.44	−29 57.1	1.652	2.663	3.0	19.8
7 20	19 12.28	−30 38.0	1.652	2.648	5.5	19.9
7 30	19 2.95	−31 6.5	1.677	2.634	9.3	20.1
8 9	18 55.57	−31 22.2	1.726	2.619	13.0	20.3
8 19	18 50.88	−31 26.8	1.796	2.604	16.2	20.5

183034 2002 PD_{183} 7 10.9 272.°84 2.°2/10.3 18

6 10	19 46.64	−27 22.0	1.862	2.757	12.1	20.4
6 20	19 40.35	−27 40.6	1.796	2.755	8.7	20.2
6 30	19 31.98	−27 57.2	1.753	2.752	4.9	19.9
7 10	19 22.41	−28 8.4	1.736	2.749	2.2	19.7
7 20	19 12.70	−28 11.6	1.747	2.747	4.7	19.9
7 30	19 3.97	−28 6.1	1.783	2.744	8.5	20.1
8 9	18 57.18	−27 52.6	1.844	2.742	12.0	20.3
8 19	18 52.92	−27 33.1	1.925	2.739	15.0	20.5

180419 2004 BO_{70} 7 10.9 154.°50 1.°6/10.5 17

6 10	19 49.57	−25 18.5	1.804	2.696	12.7	21.4
6 20	19 42.37	−25 41.7	1.744	2.702	9.0	21.2
6 30	19 33.04	−26 4.7	1.708	2.708	4.9	20.9
7 10	19 22.51	−26 23.5	1.699	2.714	1.6	20.7
7 20	19 11.89	−26 35.4	1.717	2.719	4.5	20.9
7 30	19 2.36	−26 39.2	1.762	2.723	8.5	21.2
8 9	18 54.90	−26 35.6	1.830	2.727	12.2	21.4
8 19	18 50.07	−26 26.1	1.920	2.731	15.2	21.6

304444 2006 TH_{128} 7 10.9 228.°02 0.°7/10.7 18

6 10	19 44.66	−23 27.5	2.128	3.019	11.0	21.4
6 20	19 38.72	−23 43.0	2.058	3.016	7.8	21.2
6 30	19 31.04	−23 59.7	2.013	3.014	4.2	21.0
7 10	19 22.34	−24 15.1	1.995	3.011	0.8	20.7
7 20	19 13.49	−24 27.0	2.005	3.009	3.7	21.0
7 30	19 5.45	−24 34.2	2.042	3.006	7.3	21.2
8 9	18 59.01	−24 36.4	2.104	3.003	10.7	21.4
8 19	18 54.70	−24 34.2	2.187	3.001	13.5	21.6

294430 2007 VH_{245} 7 10.9 289.°46 2.°0/10.3 17

6 10	19 47.08	−23 36.2	1.345	2.252	15.0	20.7
6 20	19 41.51	−24 26.9	1.268	2.234	10.8	20.4
6 30	19 33.02	−25 23.4	1.214	2.216	5.9	20.1
7 10	19 22.54	−26 19.6	1.183	2.198	2.0	19.8
7 20	19 11.43	−27 9.2	1.177	2.180	5.8	20.0
7 30	19 1.34	−27 47.6	1.194	2.162	11.0	20.2
8 9	18 53.73	−28 13.3	1.234	2.144	15.8	20.5
8 19	18 49.54	−28 27.4	1.291	2.126	19.9	20.7

508844 2002 CS_{74} 7 10.9 106.°55 4.°2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 42.27	− 6 6.7	2.454	3.301	11.3	21.4
6 20	19 36.71	− 6 28.7	2.394	3.315	8.7	21.3
6 30	19 29.83	− 7 3.5	2.358	3.329	6.2	21.2
7 10	19 22.23	− 7 50.0	2.348	3.343	4.4	21.1
7 20	19 14.57	− 8 45.8	2.367	3.356	4.8	21.1
7 30	19 7.56	− 9 47.9	2.414	3.369	6.9	21.3
8 9	19 1.79	−10 52.8	2.487	3.382	9.4	21.4
8 19	18 57.71	−11 57.6	2.583	3.395	11.7	21.6

74535 1999 JS_{3} 7 10.9 353.°49 9.°7/13.1 18

6 10	19 37.64	− 6 17.0	0.900	1.808	20.5	18.2
6 20	19 35.02	− 5 17.9	0.846	1.799	16.5	17.9
6 30	19 29.52	− 4 44.1	0.809	1.791	12.5	17.6
7 10	19 22.22	− 4 39.8	0.790	1.785	9.9	17.5
7 20	19 14.60	− 5 5.8	0.789	1.782	10.6	17.5
7 30	19 8.30	− 5 57.7	0.808	1.780	14.0	17.7
8 9	19 4.72	− 7 7.4	0.844	1.780	18.2	17.9
8 19	19 4.60	− 8 25.5	0.896	1.783	22.2	18.2

80468 2000 AE_{26} 7 10.9 240.°68 0.°7/10.7 18

6 10	19 47.79	−21 57.9	1.762	2.655	12.9	20.4
6 20	19 41.38	−22 31.7	1.684	2.643	9.2	20.2
6 30	19 32.68	−23 10.0	1.629	2.630	4.9	19.9
7 10	19 22.51	−23 48.7	1.601	2.617	0.7	19.5
7 20	19 11.96	−24 23.9	1.599	2.603	4.4	19.8
7 30	19 2.25	−24 52.8	1.624	2.589	8.8	20.0
8 9	18 54.50	−25 14.4	1.674	2.575	12.8	20.2
8 19	18 49.41	−25 28.8	1.743	2.560	16.3	20.4

284059 2005 CG_{54} 7 10.9 358.°98 2.°3/10.2 18

6 10	19 45.72	−26 32.8	1.725	2.625	12.7	20.8
6 20	19 39.82	−27 3.9	1.663	2.624	9.0	20.6
6 30	19 31.76	−27 34.4	1.624	2.624	5.1	20.4
7 10	19 22.43	−28 0.1	1.610	2.624	2.3	20.2
7 20	19 12.93	−28 17.6	1.623	2.624	4.9	20.4
7 30	19 4.47	−28 25.6	1.662	2.624	8.9	20.6
8 9	18 58.03	−28 24.3	1.723	2.624	12.5	20.8
8 19	18 54.23	−28 15.3	1.805	2.625	15.7	21.0

175246 2005 JS_{17} 7 10.9 191.°11 0.°2/10.9 18

6 10	19 47.39	−20 3.4	1.615	2.509	13.7	20.3
6 20	19 41.12	−20 48.7	1.549	2.509	9.7	20.1
6 30	19 32.52	−21 40.9	1.507	2.508	5.2	19.8
7 10	19 22.51	−22 35.3	1.490	2.507	0.5	19.5
7 20	19 12.22	−23 27.2	1.500	2.506	4.4	19.8
7 30	19 2.93	−24 12.9	1.537	2.504	9.0	20.0
8 9	18 55.73	−24 50.3	1.597	2.502	13.1	20.3
8 19	18 51.30	−25 19.2	1.677	2.500	16.5	20.5

422581 2014 TC_{57} 7 10.9 68.°56 1.°8/10.3 17

6 10	19 47.87	−23 19.3	1.335	2.242	15.2	20.7
6 20	19 41.77	−24 13.6	1.281	2.246	10.8	20.5
6 30	19 32.96	−25 12.2	1.248	2.251	5.8	20.2
7 10	19 22.54	−26 8.6	1.240	2.255	1.8	20.0
7 20	19 11.92	−26 57.0	1.257	2.260	5.5	20.2
7 30	19 2.61	−27 33.7	1.298	2.265	10.3	20.5
8 9	18 55.85	−27 58.0	1.360	2.269	14.7	20.8
8 19	18 52.32	−28 11.1	1.442	2.274	18.3	21.0

237469 2000 BR_{47} 7 10.9 22.°79 2.°6/12.1 18

6 10	19 42.66	−12 47.1	1.565	2.455	14.4	19.2
6 20	19 37.67	−13 27.5	1.507	2.460	10.5	19.0
6 30	19 30.61	−14 22.1	1.471	2.465	6.3	18.8
7 10	19 22.35	−15 27.5	1.459	2.471	2.8	18.6
7 20	19 13.91	−16 38.9	1.473	2.478	4.6	18.7
7 30	19 6.43	−17 51.2	1.513	2.485	8.7	19.0
8 9	19 0.87	−18 59.9	1.577	2.493	12.6	19.2
8 19	18 57.84	−20 2.0	1.661	2.501	15.9	19.5

51407 2001 EU_{5} 7 10.9 5.°12 2.°0/10.3 18

6 10	19 39.99	−23 2.2	0.921	1.854	17.7	17.8
6 20	19 36.83	−23 51.4	0.875	1.853	12.5	17.5
6 30	19 30.53	−24 47.0	0.848	1.854	6.8	17.2
7 10	19 22.35	−25 41.9	0.841	1.856	2.0	16.9
7 20	19 13.96	−26 28.8	0.855	1.861	6.3	17.2
7 30	19 7.18	−27 3.1	0.889	1.868	12.0	17.5
8 9	19 3.40	−27 23.3	0.942	1.876	17.0	17.8
8 19	19 3.29	−27 30.4	1.011	1.886	21.2	18.1

362954 2013 AG_{74} 7 10.9 43.°37 4.°6/10.1 18

6 10	19 48.64	−35 8.4	1.878	2.766	12.4	19.8
6 20	19 41.62	−35 17.5	1.831	2.781	9.2	19.6
6 30	19 32.57	−35 17.1	1.807	2.795	6.2	19.5
7 10	19 22.51	−35 3.8	1.810	2.810	4.6	19.4
7 20	19 12.61	−34 36.4	1.838	2.825	6.1	19.6
7 30	19 4.00	−33 56.2	1.893	2.840	9.0	19.8
8 9	18 57.56	−33 6.5	1.971	2.856	12.0	20.0
8 19	18 53.74	−32 11.0	2.070	2.872	14.5	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
395290 2011 BZ_{65}			7 10.9 249°.23		6°.6/ 7.3 17	
	h m	° ′			°	m
6 10	19 53.80	−26 32.6	1.148	2.055	17.1	20.1
6 20	19 47.22	−29 35.2	1.082	2.045	12.5	19.8
6 30	19 36.62	−32 50.0	1.040	2.035	8.1	19.5
7 10	19 22.94	−35 58.8	1.023	2.025	6.9	19.4
7 20	19 7.94	−38 42.8	1.032	2.014	10.4	19.6
7 30	18 53.98	−40 49.8	1.066	2.003	15.3	19.8
8 9	18 43.27	−42 17.9	1.119	1.991	19.9	20.0
8 19	18 37.21	−43 12.5	1.188	1.980	23.7	20.3
469665 2004 TS_{345}			7 10.9 329°.41		1°.5/10.7 18	
6 10	19 42.96	−25 20.9	1.151	2.072	15.9	20.5
6 20	19 38.94	−25 17.3	1.068	2.040	11.6	20.1
6 30	19 31.79	−25 12.9	1.006	2.010	6.4	19.7
7 10	19 22.49	−25 4.1	0.965	1.981	1.6	19.3
7 20	19 12.48	−24 47.9	0.946	1.953	5.9	19.5
7 30	19 3.57	−24 23.4	0.949	1.926	11.7	19.7
8 9	18 57.37	−23 52.2	0.972	1.902	17.1	19.9
8 19	18 54.86	−23 16.5	1.011	1.879	21.8	20.2
436271 2010 CJ_{93}			7 10.9 68°.03		0°.6/11.2 17	
6 10	19 45.15	−18 50.2	1.728	2.621	13.0	21.2
6 20	19 39.22	−19 15.3	1.676	2.634	9.2	21.0
6 30	19 31.35	−19 46.5	1.647	2.647	5.0	20.8
7 10	19 22.42	−20 20.6	1.644	2.660	0.8	20.5
7 20	19 13.44	−20 54.5	1.668	2.673	4.0	20.8
7 30	19 5.50	−21 25.4	1.718	2.687	8.1	21.1
8 9	18 59.45	−21 52.0	1.791	2.700	11.7	21.3
8 19	18 55.82	−22 13.6	1.886	2.713	14.8	21.6
47672 2000 CZ_{63}			7 10.9 344°.28		1°.3/10.6 18	
6 10	19 45.48	−24 55.5	1.745	2.644	12.6	18.4
6 20	19 39.61	−25 6.3	1.679	2.641	9.0	18.1
6 30	19 31.64	−25 17.2	1.637	2.639	4.9	17.9
7 10	19 22.45	−25 25.2	1.621	2.636	1.3	17.6
7 20	19 13.12	−25 27.8	1.631	2.634	4.4	17.9
7 30	19 4.79	−25 24.2	1.666	2.633	8.5	18.1
8 9	18 58.43	−25 14.7	1.726	2.631	12.3	18.3
8 19	18 54.63	−25 0.6	1.806	2.630	15.5	18.5
205099 1999 TX_{209}			7 10.9 253°.11		3°.9/ 9.5 18	
6 10	19 48.90	−32 24.3	2.170	3.055	11.1	20.8
6 20	19 41.99	−32 59.0	2.086	3.036	8.2	20.6
6 30	19 32.95	−33 28.8	2.027	3.017	5.4	20.4
7 10	19 22.58	−33 49.4	1.995	2.998	3.9	20.2
7 20	19 11.86	−33 57.5	1.990	2.978	5.7	20.3
7 30	19 1.94	−33 52.0	2.012	2.957	8.7	20.5
8 9	18 53.81	−33 34.1	2.059	2.936	11.9	20.6
8 19	18 48.16	−33 6.7	2.127	2.914	14.7	20.8
370373 2002 TH_{47}			7 10.9 254°.20		1°.9/10.4 18	
6 10	19 48.74	−25 43.9	1.758	2.652	12.8	20.8
6 20	19 42.13	−26 10.8	1.677	2.636	9.2	20.5
6 30	19 33.13	−26 38.0	1.620	2.620	5.1	20.3
7 10	19 22.60	−27 1.4	1.588	2.603	1.9	20.0
7 20	19 11.66	−27 17.5	1.584	2.585	4.9	20.2
7 30	19 1.62	−27 24.2	1.606	2.568	9.2	20.4
8 9	18 53.61	−27 22.0	1.651	2.549	13.2	20.6
8 19	18 48.39	−27 12.6	1.717	2.531	16.6	20.8
292466 2006 SX_{377}			7 10.9 189°.93		0°.9/11.4 18	
6 10	19 43.38	−17 21.6	2.161	3.045	11.2	21.3
6 20	19 37.82	−17 56.0	2.092	3.045	8.0	21.1
6 30	19 30.59	−18 37.3	2.047	3.045	4.4	20.9
7 10	19 22.39	−19 22.7	2.029	3.044	1.0	20.6
7 20	19 14.00	−20 9.2	2.039	3.044	3.4	20.8
7 30	19 6.31	−20 54.0	2.076	3.043	7.1	21.0
8 9	19 0.09	−21 35.0	2.139	3.042	10.4	21.2
8 19	18 55.88	−22 10.9	2.225	3.042	13.2	21.4
326297 1998 SQ_{51}			7 10.9 334°.78		0°.9/10.8 18	
6 10	19 42.41	−23 21.9	1.081	2.004	16.5	20.2
6 20	19 38.50	−23 30.3	1.012	1.985	11.9	19.8
6 30	19 31.51	−23 42.1	0.962	1.966	6.5	19.5
7 10	19 22.49	−23 53.4	0.933	1.950	1.0	19.1
7 20	19 12.96	−24 0.4	0.927	1.934	5.7	19.3
7 30	19 4.69	−24 0.9	0.942	1.920	11.6	19.6
8 9	18 59.22	−23 54.6	0.976	1.907	16.9	19.8
8 19	18 57.40	−23 42.6	1.027	1.896	21.4	20.1
327187 2005 LF_{53}			7 10.9 350°.43		0°.9/11.2 17	
6 10	19 40.63	−18 39.5	1.051	1.973	17.0	19.9
6 20	19 37.10	−19 2.1	0.991	1.963	12.2	19.6
6 30	19 30.67	−19 36.0	0.951	1.955	6.8	19.3
7 10	19 22.42	−20 17.2	0.932	1.949	1.2	18.9
7 20	19 13.81	−21 0.7	0.935	1.944	5.4	19.1
7 30	19 6.50	−21 41.6	0.960	1.940	11.1	19.4
8 9	19 1.87	−22 16.5	1.004	1.938	16.2	19.7
8 19	19 0.70	−22 43.7	1.065	1.938	20.5	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
187620 2007 AH_{26}			7 10.9 211°.83		2°.7/12.3 18	
	h m	° ′			°	m
6 10	19 42.02	−11 17.9	2.682	3.544	10.0	21.1
6 20	19 36.60	−11 30.9	2.602	3.538	7.5	21.0
6 30	19 29.86	−11 52.5	2.547	3.532	4.8	20.8
7 10	19 22.35	−12 21.8	2.520	3.526	2.9	20.6
7 20	19 14.67	−12 57.1	2.522	3.520	3.7	20.7
7 30	19 7.50	−13 36.3	2.552	3.513	6.3	20.8
8 9	19 1.45	−14 17.5	2.608	3.506	8.9	21.0
8 19	18 56.99	−14 58.5	2.688	3.498	11.4	21.2
349857 2009 DE_{21}			7 10.9 18°.12		0°.8/10.7 18	
6 10	19 44.59	−22 12.6	1.848	2.744	12.2	20.8
6 20	19 38.92	−22 49.5	1.784	2.745	8.6	20.5
6 30	19 31.28	−23 30.1	1.744	2.745	4.6	20.3
7 10	19 22.48	−24 10.6	1.730	2.746	0.8	20.0
7 20	19 13.49	−24 47.4	1.743	2.747	4.1	20.3
7 30	19 5.39	−25 17.9	1.782	2.748	8.1	20.5
8 9	18 59.09	−25 41.1	1.846	2.749	11.7	20.7
8 19	18 55.18	−25 57.0	1.930	2.750	14.8	21.0
333468 2004 RX_{144}			7 10.9 324°.50		0°.4/11.1 17	
6 10	19 44.10	−20 9.7	1.405	2.311	14.6	20.8
6 20	19 39.11	−20 24.8	1.333	2.298	10.5	20.5
6 30	19 31.61	−20 46.4	1.284	2.286	5.7	20.2
7 10	19 22.52	−21 11.4	1.258	2.274	0.7	19.8
7 20	19 13.06	−21 36.4	1.256	2.263	4.7	20.1
7 30	19 4.64	−21 58.5	1.279	2.252	9.8	20.3
8 9	18 58.44	−22 16.1	1.324	2.242	14.3	20.6
8 19	18 55.22	−22 28.7	1.387	2.233	18.2	20.8
280960 2006 BJ_{250}			7 10.9 5°.68		1°.6/10.6 17	
6 10	19 44.79	−24 52.0	1.364	2.274	14.7	20.2
6 20	19 39.53	−25 9.7	1.307	2.274	10.4	19.9
6 30	19 31.76	−25 28.2	1.272	2.275	5.7	19.7
7 10	19 22.54	−25 43.5	1.261	2.277	1.6	19.4
7 20	19 13.18	−25 52.3	1.274	2.279	5.1	19.6
7 30	19 5.09	−25 53.1	1.312	2.282	9.9	19.9
8 9	18 59.40	−25 46.5	1.370	2.286	14.1	20.2
8 19	18 56.73	−25 33.8	1.448	2.291	17.7	20.4
203265 2001 QB_{258}			7 10.9 311°.67		5°.8/ 9.3 18	
6 10	19 47.13	−30 35.7	1.102	2.020	16.7	18.9
6 20	19 42.27	−31 37.2	1.030	1.998	12.4	18.6
6 30	19 33.78	−32 37.2	0.977	1.975	8.0	18.3
7 10	19 22.76	−33 26.1	0.946	1.954	5.8	18.1
7 20	19 10.91	−33 55.8	0.937	1.932	8.8	18.2
7 30	19 0.39	−34 2.1	0.949	1.912	13.8	18.4
8 9	18 53.04	−33 47.0	0.980	1.892	18.7	18.6
8 19	18 49.92	−33 15.3	1.027	1.873	23.1	18.8
248354 2005 QY_{136}			7 10.9 333°.09		1°.2/10.6 18	
6 10	19 43.03	−23 53.3	1.692	2.596	12.7	20.6
6 20	19 38.06	−24 17.9	1.620	2.584	9.0	20.3
6 30	19 30.93	−24 44.7	1.570	2.572	4.9	20.0
7 10	19 22.47	−25 10.2	1.546	2.561	1.2	19.8
7 20	19 13.74	−25 31.2	1.547	2.551	4.5	20.0
7 30	19 5.89	−25 45.6	1.573	2.541	8.8	20.2
8 9	18 59.96	−25 52.8	1.623	2.532	12.7	20.4
8 19	18 56.61	−25 53.3	1.692	2.524	16.0	20.6
364153 2006 GX_{40}			7 10.9 32°.70		7°.2/ 8.8 17	
6 10	19 48.49	−32 49.9	1.065	1.982	17.3	19.6
6 20	19 42.85	−34 19.0	1.026	1.990	12.9	19.4
6 30	19 33.78	−35 40.2	1.007	2.000	8.8	19.2
7 10	19 22.72	−36 42.6	1.010	2.011	7.3	19.2
7 20	19 11.57	−37 18.9	1.035	2.022	9.6	19.3
7 30	19 2.31	−37 27.8	1.081	2.034	13.6	19.6
8 9	18 56.39	−37 13.3	1.147	2.046	17.6	19.9
8 19	18 54.44	−36 41.8	1.228	2.059	20.9	20.1
427974 2005 YB_{167}			7 10.9 83°.54		2°.0/11.9 17	
6 10	19 46.43	−13 30.0	1.758	2.638	13.5	21.0
6 20	19 40.06	−14 18.8	1.711	2.660	9.8	20.8
6 30	19 31.81	−15 18.8	1.688	2.682	5.7	20.6
7 10	19 22.54	−16 26.1	1.690	2.704	2.2	20.5
7 20	19 13.27	−17 36.0	1.721	2.725	4.1	20.6
7 30	19 5.01	−18 44.2	1.778	2.746	7.9	20.9
8 9	18 58.61	−19 47.3	1.861	2.767	11.5	21.2
8 19	18 54.59	−20 43.2	1.965	2.788	14.5	21.4
272450 2005 UG_{22}			7 10.9 162°.43		2°.3/11.7 17	
6 10	19 46.75	−15 23.0	1.992	2.869	12.3	22.0
6 20	19 40.20	−15 18.8	1.926	2.874	8.9	21.8
6 30	19 31.88	−15 21.8	1.885	2.878	5.3	21.6
7 10	19 22.56	−15 30.6	1.870	2.882	2.4	21.4
7 20	19 13.13	−15 43.8	1.883	2.886	4.1	21.5
7 30	19 4.56	−15 59.8	1.924	2.888	7.7	21.8
8 9	18 57.66	−16 16.9	1.989	2.891	11.1	22.0
8 19	18 52.97	−16 34.1	2.076	2.893	14.0	22.2

280936 2006 BB_{59} 7 10.9 2.°79 1.°0/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 45.16	−23 0.1	1.560	2.462	13.6	20.8
6 20	19 39.60	−23 30.8	1.498	2.462	9.6	20.6
6 30	19 31.75	−24 4.7	1.460	2.462	5.2	20.3
7 10	19 22.55	−24 37.7	1.446	2.462	1.1	20.0
7 20	19 13.16	−25 6.1	1.458	2.463	4.6	20.3
7 30	19 4.84	−25 27.2	1.495	2.464	9.1	20.5
8 9	18 58.64	−25 40.6	1.555	2.465	13.1	20.8
8 19	18 55.20	−25 46.7	1.635	2.467	16.5	21.0

32330 2000 QK_{64} 7 10.9 222.°88 2.°6/ 9.7 18

6 10	19 45.06	−28 32.8	2.434	3.322	10.0	19.1
6 20	19 39.02	−29 18.4	2.361	3.315	7.2	18.9
6 30	19 31.29	−30 2.6	2.313	3.309	4.3	18.7
7 10	19 22.52	−30 41.8	2.293	3.302	2.6	18.6
7 20	19 13.53	−31 12.8	2.302	3.295	4.4	18.7
7 30	19 5.22	−31 33.9	2.338	3.288	7.4	18.9
8 9	18 58.36	−31 45.2	2.399	3.280	10.2	19.0
8 19	18 53.52	−31 47.6	2.482	3.273	12.7	19.2

304558 2006 UW_{359} 7 10.9 87.°03 1.°3/11.5 18

6 10	19 43.81	−17 20.8	2.084	2.969	11.5	21.1
6 20	19 38.08	−17 31.8	2.025	2.978	8.2	20.9
6 30	19 30.72	−17 48.8	1.989	2.987	4.6	20.7
7 10	19 22.47	−18 9.7	1.980	2.995	1.4	20.5
7 20	19 14.15	−18 32.6	1.999	3.004	3.6	20.6
7 30	19 6.64	−18 55.5	2.045	3.012	7.1	20.9
8 9	19 0.68	−19 17.0	2.116	3.021	10.4	21.1
8 19	18 56.76	−19 36.2	2.209	3.030	13.1	21.3

257074 2008 FN_{117} 7 10.9 29.°65 2.°2/11.7 18

6 10	19 42.48	−15 45.4	1.897	2.785	12.3	20.4
6 20	19 37.24	−15 43.2	1.839	2.792	8.9	20.2
6 30	19 30.30	−15 48.5	1.805	2.800	5.3	20.0
7 10	19 22.43	−16 0.0	1.796	2.808	2.3	19.8
7 20	19 14.50	−16 15.9	1.814	2.817	4.0	19.9
7 30	19 7.44	−16 34.5	1.858	2.826	7.6	20.1
8 9	19 2.01	−16 53.9	1.926	2.836	11.0	20.4
8 19	18 58.71	−17 12.8	2.016	2.846	13.9	20.6

385603 2005 ED_{184} 7 10.9 140.°48 6.°2/14.1 17

6 10	19 43.64	− 0 55.9	2.466	3.286	12.1	22.3
6 20	19 37.70	− 0 44.3	2.404	3.298	9.8	22.1
6 30	19 30.44	− 0 47.8	2.365	3.309	7.7	22.0
7 10	19 22.45	− 1 6.8	2.352	3.320	6.3	22.0
7 20	19 14.40	− 1 40.2	2.365	3.331	6.5	22.0
7 30	19 6.99	− 2 25.7	2.406	3.340	8.0	22.1
8 9	19 0.85	− 3 20.0	2.472	3.350	10.1	22.2
8 19	18 56.40	− 4 19.3	2.561	3.358	12.2	22.4

105374 2000 QG_{128} 7 10.9 271.°71 3.°6/12.3 18

6 10	19 42.70	−10 37.0	2.359	3.223	11.1	19.8
6 20	19 37.33	−10 31.5	2.267	3.202	8.5	19.6
6 30	19 30.39	−10 35.6	2.199	3.181	5.7	19.4
7 10	19 22.46	−10 49.0	2.157	3.160	3.7	19.2
7 20	19 14.25	−11 10.7	2.143	3.138	4.5	19.2
7 30	19 6.55	−11 39.0	2.157	3.116	7.3	19.4
8 9	19 0.09	−12 11.9	2.196	3.094	10.3	19.5
8 19	18 55.44	−12 47.0	2.257	3.072	13.1	19.7

459565 2013 GH_{99} 7 10.9 160.°80 8.°6/15.5 17

6 10	19 41.27	+10 12.6	2.961	3.706	12.0	21.3
6 20	19 35.94	+10 56.4	2.895	3.711	10.6	21.2
6 30	19 29.48	+11 22.9	2.851	3.715	9.5	21.2
7 10	19 22.39	+11 30.2	2.831	3.719	8.7	21.1
7 20	19 15.20	+11 18.1	2.834	3.723	8.7	21.1
7 30	19 8.51	+10 47.8	2.862	3.726	9.4	21.2
8 9	19 2.84	+10 2.2	2.913	3.729	10.5	21.2
8 19	18 58.58	+ 9 4.8	2.986	3.732	11.8	21.4

290683 2005 UZ_{351} 7 10.9 113.°72 2.°6/11.8 18

6 10	19 43.63	−14 36.3	2.314	3.189	10.9	20.1
6 20	19 37.81	−14 17.2	2.249	3.194	8.0	19.9
6 30	19 30.54	−14 4.3	2.208	3.199	4.9	19.8
7 10	19 22.48	−13 57.3	2.195	3.204	2.6	19.6
7 20	19 14.36	−13 55.5	2.209	3.209	3.9	19.7
7 30	19 6.96	−13 57.9	2.251	3.214	6.9	19.9
8 9	19 0.94	−14 3.6	2.318	3.218	9.8	20.1
8 19	18 56.76	−14 11.3	2.408	3.223	12.4	20.3

395495 2011 UE_{89} 7 10.9 268.°73 5.°0/ 8.7 18

6 10	19 46.65	−34 57.4	2.167	3.053	11.1	20.6
6 20	19 40.45	−35 54.2	2.098	3.044	8.4	20.4
6 30	19 32.18	−36 45.1	2.053	3.036	6.0	20.2
7 10	19 22.64	−37 24.9	2.034	3.027	5.1	20.2
7 20	19 12.83	−37 49.8	2.042	3.018	6.5	20.2
7 30	19 3.85	−37 58.4	2.076	3.009	9.2	20.4
8 9	18 56.67	−37 52.1	2.134	3.001	11.9	20.6
8 19	18 51.95	−37 33.4	2.212	2.992	14.4	20.7

165168 2000 QF_{110} 7 10.9 311.°58 2.°0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 44.88	−17 48.9	1.167	2.077	16.6	20.0
6 20	19 40.18	−17 45.2	1.089	2.054	12.2	19.7
6 30	19 32.47	−17 51.0	1.031	2.032	7.0	19.3
7 10	19 22.70	−18 4.4	0.995	2.010	2.2	19.0
7 20	19 12.26	−18 22.9	0.982	1.989	5.6	19.1
7 30	19 2.87	−18 43.4	0.992	1.968	11.4	19.4
8 9	18 56.06	−19 3.6	1.021	1.949	16.7	19.6
8 19	18 52.79	−19 22.0	1.068	1.929	21.3	19.8

302035 2000 SU_{285} 7 10.9 237.°95 2.°7/11.8 18

6 10	19 43.84	−14 13.9	2.325	3.198	10.9	20.5
6 20	19 38.05	−13 54.1	2.248	3.192	8.1	20.3
6 30	19 30.74	−13 40.7	2.195	3.185	5.0	20.1
7 10	19 22.54	−13 33.3	2.170	3.178	2.8	20.0
7 20	19 14.18	−13 31.4	2.172	3.171	4.0	20.1
7 30	19 6.48	−13 34.2	2.202	3.164	7.0	20.2
8 9	19 0.14	−13 40.4	2.257	3.157	10.1	20.4
8 19	18 55.65	−13 49.1	2.335	3.149	12.7	20.6

442242 2011 MT_{10} 7 10.9 304.°12 3.°3/12.6 18

6 10	19 43.06	−10 30.3	1.774	2.650	13.6	20.8
6 20	19 38.00	−11 10.9	1.694	2.638	10.2	20.6
6 30	19 30.93	−12 7.5	1.636	2.626	6.5	20.4
7 10	19 22.58	−13 17.8	1.604	2.613	3.5	20.1
7 20	19 13.85	−14 37.6	1.599	2.601	4.7	20.2
7 30	19 5.81	−16 1.8	1.621	2.590	8.5	20.4
8 9	18 59.43	−17 25.2	1.667	2.578	12.3	20.6
8 19	18 55.40	−18 43.8	1.734	2.567	15.7	20.8

233387 2006 EP_{23} 7 10.9 198.°14 0.°4/10.9 18

6 10	19 47.03	−22 20.6	2.153	3.039	11.1	22.2
6 20	19 40.47	−22 37.4	2.080	3.036	7.9	22.0
6 30	19 32.10	−22 56.3	2.033	3.033	4.3	21.7
7 10	19 22.68	−23 14.6	2.012	3.029	0.5	21.4
7 20	19 13.07	−23 30.1	2.020	3.024	3.6	21.7
7 30	19 4.25	−23 41.3	2.056	3.019	7.3	21.9
8 9	18 57.05	−23 47.8	2.117	3.014	10.7	22.1
8 19	18 52.03	−23 50.0	2.200	3.008	13.6	22.3

174833 2003 YW_{83} 7 10.9 117.°50 1.°1/10.7 17

6 10	19 49.54	−23 31.9	1.607	2.503	13.7	20.6
6 20	19 42.55	−23 57.6	1.554	2.514	9.7	20.4
6 30	19 33.29	−24 25.0	1.524	2.525	5.2	20.2
7 10	19 22.78	−24 49.9	1.520	2.536	1.1	19.9
7 20	19 12.23	−25 9.0	1.543	2.547	4.6	20.2
7 30	19 2.90	−25 20.8	1.591	2.557	8.9	20.5
8 9	18 55.80	−25 25.4	1.664	2.567	12.8	20.7
8 19	18 51.51	−25 24.0	1.756	2.576	16.0	20.9

343857 2011 HA_{50} 7 10.9 7.°00 10.°3/14.5 18

6 10	19 40.90	+ 0 11.8	1.357	2.213	18.1	19.5
6 20	19 36.64	+ 0 57.4	1.301	2.214	15.2	19.3
6 30	19 30.21	+ 1 17.2	1.264	2.215	12.3	19.2
7 10	19 22.51	+ 1 8.5	1.248	2.218	10.5	19.1
7 20	19 14.63	+ 0 31.5	1.253	2.222	10.6	19.1
7 30	19 7.78	− 0 29.7	1.281	2.226	12.6	19.2
8 9	19 2.95	− 1 48.1	1.329	2.232	15.4	19.4
8 19	19 0.75	− 3 15.9	1.395	2.238	18.2	19.6

143634 2003 HR_{54} 7 10.9 95.°11 2.°1/11.7 17

6 10	19 43.76	−15 38.1	2.209	3.088	11.2	20.1
6 20	19 37.97	−15 31.0	2.148	3.097	8.1	19.9
6 30	19 30.67	−15 30.2	2.112	3.105	4.8	19.7
7 10	19 22.54	−15 34.6	2.102	3.114	2.2	19.5
7 20	19 14.37	−15 43.1	2.120	3.123	3.7	19.7
7 30	19 6.97	−15 54.3	2.166	3.131	6.9	19.9
8 9	19 1.03	−16 7.0	2.236	3.139	10.0	20.1
8 19	18 57.00	−16 20.0	2.329	3.148	12.6	20.3

382955 2004 VJ_{31} 7 10.9 280.°70 2.°1/10.2 16

6 10	19 46.25	−25 18.6	1.725	2.623	12.8	21.4
6 20	19 40.38	−26 0.2	1.655	2.616	9.1	21.2
6 30	19 32.25	−26 43.2	1.608	2.609	5.1	20.9
7 10	19 22.71	−27 23.1	1.588	2.602	2.1	20.7
7 20	19 12.88	−27 55.7	1.593	2.594	4.9	20.9
7 30	19 3.98	−28 18.4	1.624	2.587	9.0	21.1
8 9	18 57.08	−28 31.0	1.679	2.580	12.8	21.3
8 19	18 52.86	−28 34.6	1.754	2.573	16.1	21.5

40866 1999 TU_{117} 7 10.9 49.°52 4.°9/12.3 18

6 10	19 44.81	−10 29.5	1.632	2.510	14.5	18.6
6 20	19 39.08	−10 0.8	1.575	2.517	11.0	18.4
6 30	19 31.40	− 9 44.6	1.541	2.524	7.4	18.2
7 10	19 22.63	− 9 41.4	1.530	2.532	5.0	18.1
7 20	19 13.79	− 9 50.3	1.545	2.540	6.0	18.1
7 30	19 5.96	−10 9.2	1.585	2.548	9.2	18.3
8 9	19 0.01	−10 35.3	1.649	2.556	12.7	18.6
8 19	18 56.50	−11 5.4	1.733	2.565	15.7	18.8

483250 2015 SP_7 7 10.9 325°.06 2°.0/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 47.97	−20 56.9	1.673	2.566	13.4	20.3
6 20	19 41.63	−19 45.4	1.581	2.539	9.7	20.1
6 30	19 32.95	−18 31.0	1.513	2.512	5.6	19.8
7 10	19 22.79	−17 14.8	1.471	2.485	2.1	19.5
7 20	19 12.29	−15 59.1	1.456	2.460	4.9	19.6
7 30	19 2.68	−14 46.9	1.468	2.435	9.4	19.8
8 9	18 55.08	−13 40.9	1.503	2.410	13.7	20.0
8 19	18 50.20	−12 42.9	1.559	2.387	17.3	20.2

285937 2001 QU_{317} 7 10.9 329°.31 0°.9/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 44.80	−23 35.5	1.799	2.697	12.4	20.2
6 20	19 39.18	−23 52.5	1.730	2.692	8.8	19.9
6 30	19 31.53	−24 11.3	1.686	2.687	4.7	19.7
7 10	19 22.67	−24 28.6	1.666	2.682	1.0	19.4
7 20	19 13.61	−24 41.9	1.674	2.678	4.2	19.6
7 30	19 5.47	−24 49.7	1.707	2.674	8.3	19.9
8 9	18 59.18	−24 51.6	1.764	2.670	12.0	20.1
8 19	18 55.36	−24 48.4	1.842	2.667	15.2	20.3

11821 Coleman 7 10.9 175°.52 4°.4/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 46.86	−34 40.9	2.327	3.210	10.5	18.4
6 20	19 40.38	−35 18.1	2.265	3.211	7.9	18.3
6 30	19 32.07	−35 48.7	2.227	3.211	5.4	18.1
7 10	19 22.71	−36 8.8	2.215	3.211	4.4	18.0
7 20	19 13.24	−36 15.9	2.231	3.212	5.7	18.1
7 30	19 4.65	−36 9.4	2.274	3.212	8.3	18.3
8 9	18 57.76	−35 50.9	2.341	3.212	10.9	18.5
8 19	18 53.13	−35 23.1	2.430	3.212	13.2	18.6

481115 2005 TL_{129} 7 10.9 245°.45 0°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 43.84	−21 48.2	2.560	3.443	9.7	22.7
6 20	19 38.08	−22 4.3	2.476	3.430	6.9	22.5
6 30	19 30.80	−22 22.7	2.417	3.417	3.7	22.2
7 10	19 22.61	−22 41.4	2.387	3.403	0.4	21.9
7 20	19 14.21	−22 58.3	2.385	3.389	3.1	22.2
7 30	19 6.37	−23 12.2	2.411	3.375	6.4	22.3
8 9	18 59.81	−23 22.4	2.463	3.360	9.4	22.5
8 19	18 55.03	−23 28.9	2.538	3.345	12.0	22.7

446427 2014 JC_{32} 7 10.9 61°.01 1°.0/10.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 44.30	−23 23.0	2.019	2.913	11.4	21.4
6 20	19 38.56	−23 54.4	1.964	2.924	8.0	21.3
6 30	19 31.08	−24 27.6	1.934	2.935	4.3	21.1
7 10	19 22.63	−24 59.1	1.930	2.946	1.0	20.8
7 20	19 14.13	−25 26.2	1.954	2.957	3.8	21.1
7 30	19 6.51	−25 47.2	2.004	2.969	7.5	21.3
8 9	19 0.56	−26 1.4	2.079	2.980	10.7	21.5
8 19	18 56.79	−26 9.4	2.176	2.992	13.5	21.7

11443 1977 CP 7 11.0 119°.88 0°.7/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 50.34	−22 40.3	1.580	2.474	14.0	18.3
6 20	19 43.13	−23 3.4	1.528	2.487	9.9	18.0
6 30	19 33.63	−23 28.9	1.499	2.500	5.3	17.8
7 10	19 22.87	−23 52.7	1.496	2.513	0.8	17.5
7 20	19 12.10	−24 11.7	1.520	2.525	4.5	17.8
7 30	19 2.59	−24 24.2	1.570	2.536	8.9	18.1
8 9	18 55.36	−24 30.2	1.643	2.547	12.9	18.4
8 19	18 50.96	−24 30.7	1.737	2.558	16.1	18.6

2564 Kayala 7 11.0 204°.44 1°.0/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 48.94	−18 37.7	1.583	2.474	14.1	17.1
6 20	19 42.31	−18 53.3	1.514	2.471	10.2	16.8
6 30	19 33.31	−19 15.8	1.468	2.467	5.6	16.5
7 10	19 22.86	−19 42.2	1.447	2.463	1.2	16.2
7 20	19 12.13	−20 9.3	1.453	2.459	4.4	16.5
7 30	19 2.44	−20 34.5	1.485	2.454	9.1	16.7
8 9	18 54.88	−20 56.3	1.540	2.448	13.3	17.0
8 19	18 50.15	−21 14.1	1.616	2.442	16.9	17.2

86138 1999 RL_{175} 7 11.0 230°.18 0°.1/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 43.57	−21 3.6	2.662	3.544	9.4	19.7
6 20	19 37.81	−21 14.5	2.581	3.535	6.7	19.5
6 30	19 30.63	−21 27.8	2.526	3.525	3.6	19.3
7 10	19 22.61	−21 41.7	2.498	3.515	0.4	19.0
7 20	19 14.41	−21 54.6	2.500	3.504	3.0	19.2
7 30	19 6.78	−22 5.3	2.530	3.494	6.1	19.4
8 9	19 0.38	−22 13.3	2.586	3.483	9.0	19.6
8 19	18 55.68	−22 18.5	2.665	3.471	11.5	19.7

102763 1999 VO_{135} 7 11.0 301°.44 3°.8/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 48.41	−28 51.1	1.388	2.294	14.8	19.5
6 20	19 42.41	−29 33.5	1.322	2.285	10.7	19.3
6 30	19 33.55	−30 13.8	1.278	2.277	6.4	19.0
7 10	19 22.89	−30 45.6	1.258	2.268	3.8	18.8
7 20	19 11.87	−31 4.0	1.263	2.260	6.5	19.0
7 30	19 2.12	−31 6.9	1.291	2.252	11.0	19.2
8 9	18 54.95	−30 55.9	1.341	2.245	15.2	19.4
8 19	18 51.14	−30 34.2	1.409	2.237	18.9	19.7

71125 1999 XY_{173} 7 11.0 219°.76 2°.5/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 48.25	−29 4.9	2.213	3.099	10.9	19.4
6 20	19 41.39	−29 20.2	2.138	3.092	7.8	19.2
6 30	19 32.64	−29 32.1	2.088	3.084	4.6	18.9
7 10	19 22.80	−29 37.4	2.066	3.077	2.5	18.8
7 20	19 12.79	−29 34.2	2.071	3.068	4.5	18.9
7 30	19 3.62	−29 21.8	2.104	3.060	7.8	19.1
8 9	18 56.16	−29 1.5	2.163	3.051	10.9	19.3
8 19	18 50.98	−28 35.3	2.243	3.041	13.7	19.5

358409 2007 CE_2 7 11.0 161°.65 3°.0/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 47.22	−32 6.6	2.478	3.360	10.0	20.8
6 20	19 40.43	−32 15.2	2.413	3.362	7.3	20.7
6 30	19 32.02	−32 18.3	2.373	3.364	4.6	20.5
7 10	19 22.74	−32 13.3	2.360	3.366	3.0	20.4
7 20	19 13.43	−31 58.8	2.376	3.368	4.5	20.5
7 30	19 4.98	−31 35.0	2.420	3.370	7.2	20.7
8 9	18 58.12	−31 3.4	2.490	3.371	9.9	20.9
8 19	18 53.32	−30 26.3	2.581	3.372	12.3	21.0

102002 1999 RR_{80} 7 11.0 241°.84 3°.9/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 46.90	−12 30.3	1.604	2.485	14.5	19.9
6 20	19 40.83	−12 17.2	1.531	2.477	10.9	19.7
6 30	19 32.52	−12 15.6	1.479	2.469	7.0	19.4
7 10	19 22.81	−12 25.0	1.452	2.460	4.1	19.2
7 20	19 12.80	−12 44.0	1.451	2.451	5.5	19.3
7 30	19 3.70	−13 10.2	1.476	2.442	9.4	19.5
8 9	18 56.57	−13 40.8	1.524	2.433	13.4	19.7
8 19	18 52.09	−14 13.3	1.592	2.423	16.9	19.9

472418 2015 BV_{262} 7 11.0 68°.11 5°.4/10.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 52.50	−35 18.4	1.566	2.457	14.2	21.2
6 20	19 44.77	−35 35.7	1.520	2.471	10.6	21.0
6 30	19 34.51	−35 42.0	1.497	2.485	7.2	20.9
7 10	19 22.98	−35 32.4	1.498	2.499	5.4	20.8
7 20	19 11.62	−35 5.2	1.525	2.512	7.1	20.9
7 30	19 1.88	−34 22.2	1.577	2.526	10.3	21.2
8 9	18 54.78	−33 27.7	1.652	2.540	13.7	21.4
8 19	18 50.83	−32 26.7	1.747	2.554	16.6	21.6

205734 2002 AM_{163} 7 11.0 81°.07 0°.3/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 50.52	−22 6.5	1.331	2.233	15.6	20.3
6 20	19 43.44	−22 17.8	1.288	2.250	11.0	20.1
6 30	19 33.84	−22 32.2	1.266	2.267	5.9	19.9
7 10	19 22.92	−22 45.9	1.268	2.285	0.6	19.5
7 20	19 12.10	−22 55.9	1.296	2.302	4.8	19.9
7 30	19 2.82	−23 0.9	1.349	2.319	9.7	20.2
8 9	18 56.12	−23 1.0	1.423	2.336	13.9	20.5
8 19	18 52.54	−22 57.0	1.518	2.352	17.4	20.8

226032 2002 FN_{16} 7 11.0 130°.92 4°.9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 50.21	−34 2.6	2.092	2.974	11.5	20.4
6 20	19 42.90	−35 8.3	2.041	2.987	8.6	20.2
6 30	19 33.50	−36 7.4	2.016	2.999	6.0	20.1
7 10	19 22.90	−36 54.4	2.017	3.011	4.9	20.0
7 20	19 12.19	−37 25.4	2.046	3.023	6.4	20.1
7 30	19 2.51	−37 39.5	2.101	3.034	9.1	20.3
8 9	18 54.81	−37 38.3	2.180	3.044	11.8	20.5
8 19	18 49.68	−37 25.0	2.280	3.054	14.2	20.7

25862 2000 FC_{16} 7 11.0 277°.98 1°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 44.09	−16 16.2	1.944	2.829	12.2	18.0
6 20	19 38.67	−16 48.2	1.861	2.814	8.8	17.8
6 30	19 31.31	−17 29.5	1.801	2.798	5.1	17.5
7 10	19 22.71	−18 17.2	1.768	2.783	1.5	17.3
7 20	19 13.75	−19 8.2	1.762	2.767	3.9	17.4
7 30	19 5.44	−19 59.0	1.783	2.751	7.9	17.6
8 9	18 58.71	−20 46.7	1.829	2.736	11.6	17.8
8 19	18 54.23	−21 29.6	1.896	2.720	14.9	18.0

512298 2016 GS_{246} 7 11.0 87°.54 4°.2/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 51.40	−30 8.9	1.395	2.296	15.0	21.5
6 20	19 44.25	−30 47.6	1.348	2.308	10.9	21.2
6 30	19 34.37	−31 21.2	1.323	2.319	6.6	21.0
7 10	19 22.98	−31 43.3	1.322	2.331	4.2	20.9
7 20	19 11.61	−31 50.4	1.346	2.342	6.6	21.1
7 30	19 1.80	−31 41.9	1.395	2.353	10.6	21.4
8 9	18 54.70	−31 20.7	1.466	2.364	14.5	21.6
8 19	18 50.91	−30 50.6	1.555	2.375	17.8	21.9

359576 2010 TR_{163} 7 11.0 325°.47 2°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 45.85	−29 32.1	2.036	2.929	11.4	20.6
6 20	19 39.79	−29 41.9	1.966	2.923	8.2	20.4
6 30	19 31.82	−29 47.6	1.920	2.917	4.8	20.2
7 10	19 22.75	−29 46.5	1.901	2.911	2.7	20.0
7 20	19 13.55	−29 36.5	1.908	2.906	4.7	20.1
7 30	19 5.27	−29 17.5	1.942	2.901	8.1	20.3
8 9	18 58.77	−28 50.8	2.001	2.896	11.3	20.5
8 19	18 54.61	−28 18.6	2.081	2.892	14.2	20.7