263271 2008 BT_{25} 9 22.9 264.°13 0.°4/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.20	+ 2 50.1	1.504	2.362	16.4	20.9
8 29	0 22.33	+ 2 37.8	1.423	2.351	12.5	20.7
9 8	0 14.89	+ 2 10.6	1.362	2.339	8.0	20.4
9 18	0 5.56	+ 1 31.7	1.326	2.327	2.9	20.0
9 28	23 55.43	+ 0 47.1	1.316	2.315	2.6	20.0
10 8	23 45.83	+ 0 4.2	1.332	2.302	7.8	20.3
10 18	23 37.95	− 0 30.2	1.373	2.290	12.6	20.5
10 28	23 32.70	− 0 50.6	1.435	2.277	16.8	20.8

175007 2004 ET_{79} 9 22.9 293.°30 5.°6/16.7 18

8 19	0 21.11	−11 37.4	1.837	2.721	12.6	19.5
8 29	0 17.31	−13 7.6	1.766	2.708	9.6	19.3
9 8	0 11.53	−14 41.3	1.720	2.695	6.7	19.1
9 18	0 4.36	−16 9.8	1.700	2.682	5.7	19.0
9 28	23 56.66	−17 24.4	1.706	2.670	7.4	19.1
10 8	23 49.42	−18 18.0	1.739	2.657	10.5	19.3
10 18	23 43.53	−18 47.0	1.794	2.644	13.7	19.5
10 28	23 39.68	−18 50.5	1.870	2.632	16.5	19.6

233024 2005 EN_{269} 9 22.9 38.°11 1.°2/24.0 18

8 19	0 23.93	+ 4 44.0	1.542	2.398	16.1	19.9
8 29	0 19.48	+ 4 34.6	1.486	2.411	12.3	19.7
9 8	0 12.85	+ 4 9.9	1.450	2.424	7.9	19.5
9 18	0 4.77	+ 3 33.1	1.438	2.438	3.2	19.2
9 28	23 56.31	+ 2 50.1	1.453	2.452	2.3	19.2
10 8	23 48.58	+ 2 7.6	1.493	2.467	6.8	19.5
10 18	23 42.53	+ 1 31.9	1.559	2.482	11.0	19.8
10 28	23 38.82	+ 1 7.8	1.648	2.497	14.6	20.1

69917 1998 TF 9 22.9 233.°15 1.°2/21.8 18

8 19	0 25.65	− 1 58.1	2.235	3.087	11.9	18.3
8 29	0 20.33	− 2 22.9	2.149	3.076	8.9	18.1
9 8	0 13.25	− 2 55.2	2.087	3.065	5.5	17.9
9 18	0 4.92	− 3 31.2	2.052	3.053	1.9	17.6
9 28	23 56.11	− 4 6.3	2.046	3.041	2.7	17.7
10 8	23 47.68	− 4 35.7	2.070	3.029	6.4	17.9
10 18	23 40.41	− 4 55.6	2.120	3.016	9.9	18.1
10 28	23 34.94	− 5 3.2	2.194	3.003	12.9	18.3

313630 2003 RH_{27} 9 22.9 86.°72 4.°8/28.3 18

8 19	0 25.23	+16 2.4	2.352	3.129	13.7	20.3
8 29	0 19.93	+16 31.5	2.276	3.138	11.3	20.2
9 8	0 12.94	+16 44.2	2.222	3.148	8.6	20.0
9 18	0 4.80	+16 40.0	2.192	3.158	6.1	19.9
9 28	23 56.26	+16 20.3	2.190	3.168	4.8	19.8
10 8	23 48.16	+15 48.9	2.217	3.178	5.9	19.9
10 18	23 41.23	+15 10.5	2.270	3.187	8.3	20.1
10 28	23 36.07	+14 30.9	2.349	3.197	10.9	20.3

14970 1997 QA_{2} 9 23.0 99.°32 2.°3/25.3 18

8 19	0 23.07	+ 8 46.7	1.947	2.775	14.4	19.1
8 29	0 18.58	+ 8 33.5	1.872	2.778	11.2	18.9
9 8	0 12.21	+ 8 4.0	1.819	2.782	7.6	18.7
9 18	0 4.57	+ 7 20.3	1.791	2.785	3.9	18.4
9 28	23 56.50	+ 6 26.8	1.791	2.788	2.5	18.4
10 8	23 48.92	+ 5 29.7	1.818	2.791	5.8	18.6
10 18	23 42.66	+ 4 35.2	1.872	2.794	9.5	18.8
10 28	23 38.36	+ 3 49.1	1.951	2.797	12.8	19.0

173191 1998 KJ_{61} 9 23.0 76.°29 3.°2/20.2 17

8 19	0 26.68	− 3 26.2	1.376	2.254	16.4	20.1
8 29	0 21.55	− 4 42.2	1.336	2.278	12.0	19.9
9 8	0 14.08	− 6 7.5	1.319	2.302	7.3	19.7
9 18	0 5.16	− 7 32.7	1.326	2.326	3.4	19.6
9 28	23 56.01	− 8 48.0	1.360	2.349	5.2	19.8
10 8	23 47.85	− 9 45.4	1.420	2.372	9.4	20.1
10 18	23 41.64	−10 20.4	1.503	2.395	13.4	20.4
10 28	23 37.98	−10 32.1	1.607	2.418	16.7	20.6

167932 2005 EH_{171} 9 23.0 281.°38 2.°4/25.9 18

8 19	0 19.47	+13 8.9	1.841	2.659	15.5	19.9
8 29	0 16.09	+11 58.9	1.752	2.652	12.2	19.7
9 8	0 10.78	+10 23.2	1.686	2.644	8.4	19.4
9 18	0 4.12	+ 8 25.1	1.644	2.636	4.4	19.2
9 28	23 56.94	+ 6 12.2	1.631	2.629	2.6	19.0
10 8	23 50.20	+ 3 55.1	1.647	2.621	6.1	19.3
10 18	23 44.78	+ 1 44.6	1.690	2.613	10.2	19.5
10 28	23 41.34	− 0 10.0	1.758	2.606	13.9	19.7

387985 2005 QH_{2} 9 23.0 339.°94 4.°0/25.9 18

8 19	0 20.65	+ 9 45.4	1.187	2.048	19.6	19.8
8 29	0 17.94	+ 9 59.1	1.113	2.036	15.7	19.5
9 8	0 12.42	+ 9 48.5	1.058	2.025	11.0	19.2
9 18	0 4.78	+ 9 14.1	1.022	2.015	6.2	18.9
9 28	23 56.25	+ 8 20.6	1.010	2.007	4.2	18.8
10 8	23 48.32	+ 7 17.0	1.021	1.999	8.2	19.0
10 18	23 42.36	+ 6 13.9	1.054	1.993	13.3	19.3
10 28	23 39.35	+ 5 21.4	1.108	1.988	17.9	19.5

15879 1996 XH_{6} 9 23.0 3.°66 1.°9/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 21.38	− 2 17.1	1.710	2.584	14.0	17.7
8 29	0 17.49	− 3 0.2	1.645	2.584	10.3	17.5
9 8	0 11.61	− 3 52.8	1.601	2.584	6.3	17.3
9 18	0 4.38	− 4 49.4	1.583	2.584	2.4	17.0
9 28	23 56.71	− 5 42.9	1.592	2.586	3.6	17.1
10 8	23 49.61	− 6 26.8	1.627	2.587	7.7	17.4
10 18	23 43.94	− 6 56.1	1.687	2.589	11.6	17.6
10 28	23 40.37	− 7 8.0	1.769	2.592	14.9	17.8

262395 2006 US_{10} 9 23.0 257.°61 1.°9/21.5 18

8 19	0 26.49	− 2 12.8	1.558	2.428	15.3	21.3
8 29	0 21.65	− 2 49.3	1.482	2.419	11.4	21.1
9 8	0 14.39	− 3 36.6	1.428	2.409	7.0	20.8
9 18	0 5.38	− 4 29.1	1.398	2.399	2.6	20.5
9 28	23 55.70	− 5 19.4	1.395	2.389	3.9	20.6
10 8	23 46.58	− 6 0.0	1.418	2.379	8.6	20.8
10 18	23 39.14	− 6 25.4	1.466	2.369	13.0	21.1
10 28	23 34.19	− 6 32.3	1.535	2.358	16.8	21.3

235640 2004 RS_{81} 9 23.0 323.°59 1.°9/24.4 18

8 19	0 23.28	+ 5 30.0	1.398	2.259	17.2	20.7
8 29	0 19.57	+ 5 33.9	1.317	2.244	13.4	20.4
9 8	0 13.29	+ 5 20.4	1.256	2.230	8.9	20.1
9 18	0 5.06	+ 4 51.4	1.217	2.216	4.0	19.8
9 28	23 55.99	+ 4 11.8	1.204	2.203	2.7	19.7
10 8	23 47.43	+ 3 29.1	1.215	2.190	7.6	20.0
10 18	23 40.59	+ 2 50.8	1.250	2.178	12.6	20.2
10 28	23 36.43	+ 2 23.9	1.306	2.167	16.9	20.5

300348 2007 RP_{49} 9 23.0 135.°44 0.°8/23.8 18

8 19	0 22.58	+ 5 45.5	1.962	2.803	13.8	21.1
8 29	0 18.16	+ 5 5.1	1.890	2.808	10.5	20.9
9 8	0 11.93	+ 4 9.6	1.841	2.813	6.7	20.7
9 18	0 4.48	+ 3 2.8	1.818	2.818	2.6	20.4
9 28	23 56.64	+ 1 50.6	1.824	2.823	1.9	20.4
10 8	23 49.31	+ 0 40.0	1.857	2.827	6.0	20.7
10 18	23 43.28	− 0 22.7	1.917	2.831	9.8	20.9
10 28	23 39.16	− 1 12.3	2.002	2.835	13.0	21.1

392042 2009 BL_{91} 9 23.0 16.°76 1.°9/24.7 18

8 19	0 24.18	+ 6 25.3	1.680	2.524	15.6	20.7
8 29	0 19.67	+ 6 23.1	1.609	2.526	12.0	20.5
9 8	0 13.03	+ 6 5.1	1.559	2.528	8.0	20.2
9 18	0 4.89	+ 5 33.5	1.533	2.530	3.7	20.0
9 28	23 56.24	+ 4 53.0	1.534	2.532	2.5	19.9
10 8	23 48.17	+ 4 10.0	1.562	2.535	6.5	20.2
10 18	23 41.63	+ 3 30.7	1.615	2.538	10.6	20.4
10 28	23 37.35	+ 3 0.8	1.691	2.541	14.2	20.7

222186 2000 CX_{74} 9 23.0 53.°69 3.°3/25.5 17

8 19	0 27.36	+ 8 37.3	1.384	2.227	18.3	20.1
8 29	0 22.38	+ 8 52.3	1.324	2.238	14.3	19.9
9 8	0 14.83	+ 8 47.4	1.283	2.248	9.8	19.6
9 18	0 5.52	+ 8 24.0	1.266	2.259	5.2	19.4
9 28	23 55.67	+ 7 46.7	1.273	2.270	3.6	19.3
10 8	23 46.65	+ 7 2.9	1.307	2.281	7.3	19.6
10 18	23 39.58	+ 6 20.3	1.364	2.292	11.8	19.9
10 28	23 35.23	+ 5 46.1	1.444	2.304	15.7	20.2

235968 2005 EY_{236} 9 23.0 93.°30 1.°7/21.4 18 R

8 19	0 24.92	− 2 18.2	1.803	2.668	13.8	20.8
8 29	0 19.99	− 2 54.5	1.741	2.675	10.2	20.6
9 8	0 13.09	− 3 39.2	1.701	2.682	6.2	20.4
9 18	0 4.88	− 4 27.4	1.687	2.689	2.3	20.1
9 28	23 56.30	− 5 12.7	1.701	2.695	3.4	20.2
10 8	23 48.33	− 5 49.2	1.743	2.702	7.4	20.5
10 18	23 41.84	− 6 12.7	1.810	2.709	11.1	20.7
10 28	23 37.45	− 6 20.6	1.899	2.715	14.3	21.0

288307 2004 BY_{31} 9 23.0 185.°12 2.°5/25.6 18

8 19	0 24.82	+ 9 20.5	2.172	2.988	13.5	20.9
8 29	0 19.76	+ 9 19.3	2.090	2.988	10.6	20.7
9 8	0 12.92	+ 9 3.3	2.030	2.988	7.3	20.5
9 18	0 4.84	+ 8 34.1	1.997	2.987	4.0	20.3
9 28	23 56.32	+ 7 54.8	1.991	2.986	2.7	20.3
10 8	23 48.21	+ 7 10.4	2.014	2.985	5.5	20.4
10 18	23 41.32	+ 6 26.2	2.065	2.984	8.9	20.6
10 28	23 36.27	+ 5 47.5	2.140	2.982	12.0	20.8

298262 2002 VD_{144} 9 23.0 359.°81 1.°1/21.9 18

8 19	0 22.23	− 0 15.1	1.667	2.536	14.5	20.2
8 29	0 18.21	− 0 51.3	1.599	2.535	10.8	20.0
9 8	0 12.11	− 1 39.0	1.553	2.534	6.6	19.8
9 18	0 4.59	− 2 33.2	1.532	2.534	2.2	19.5
9 28	23 56.59	− 3 27.0	1.538	2.534	3.0	19.6
10 8	23 49.16	− 4 13.5	1.570	2.535	7.5	19.8
10 18	23 43.23	− 4 47.2	1.627	2.536	11.6	20.1
10 28	23 39.46	− 5 4.6	1.706	2.537	15.0	20.3

428599 2008 EE_{74} 9 23.0 131°.16 2°.4/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.54	− 3 32.6	1.743	2.608	14.2	21.6
8 29	0 21.95	− 4 23.5	1.685	2.619	10.5	21.4
9 8	0 14.30	− 5 22.3	1.650	2.631	6.4	21.2
9 18	0 5.29	− 6 22.9	1.642	2.642	2.7	21.0
9 28	23 55.93	− 7 18.0	1.662	2.652	4.1	21.1
10 8	23 47.28	− 8 1.2	1.709	2.662	8.0	21.4
10 18	23 40.24	− 8 28.4	1.781	2.672	11.8	21.6
10 28	23 35.43	− 8 37.6	1.876	2.680	14.9	21.8

211847 2004 FK_{104} 9 23.0 169°.46 0°.3/22.7 18

8 19	0 22.15	+ 2 15.7	2.054	2.905	12.9	20.7
8 29	0 17.79	+ 1 34.8	1.980	2.906	9.7	20.5
9 8	0 11.70	+ 0 42.0	1.930	2.907	6.0	20.3
9 18	0 4.43	− 0 18.4	1.906	2.907	2.0	20.1
9 28	23 56.76	− 1 20.9	1.910	2.908	2.2	20.1
10 8	23 49.56	− 2 19.2	1.943	2.908	6.2	20.3
10 18	23 43.58	− 3 7.8	2.002	2.909	9.8	20.6
10 28	23 39.41	− 3 43.0	2.085	2.909	12.9	20.8

398680 2012 VW_{71} 9 23.0 247°.93 4°.2/18.9 18

8 19	0 25.59	− 9 42.8	1.944	2.817	12.6	21.3
8 29	0 20.53	−10 34.2	1.870	2.807	9.4	21.1
9 8	0 13.49	−11 28.5	1.819	2.796	6.2	20.9
9 18	0 5.06	−12 19.4	1.795	2.786	4.2	20.8
9 28	23 56.13	−13 0.3	1.798	2.775	5.7	20.8
10 8	23 47.68	−13 25.8	1.829	2.764	9.0	21.0
10 18	23 40.61	−13 32.8	1.884	2.753	12.3	21.2
10 28	23 35.58	−13 20.5	1.961	2.742	15.2	21.4

479113 2013 AS_{177} 9 23.0 329°.52 0°.7/22.3 18

8 19	0 19.74	+ 2 46.2	1.676	2.540	14.7	20.9
8 29	0 16.40	+ 1 43.9	1.601	2.534	11.0	20.6
9 8	0 11.03	+ 0 25.1	1.549	2.529	6.8	20.4
9 18	0 4.24	− 1 4.4	1.521	2.523	2.2	20.1
9 28	23 56.93	− 2 36.3	1.521	2.518	2.8	20.1
10 8	23 50.13	− 4 1.6	1.548	2.514	7.4	20.4
10 18	23 44.73	− 5 12.5	1.600	2.509	11.6	20.6
10 28	23 41.44	− 6 3.8	1.674	2.505	15.2	20.9

288448 2004 EZ_{55} 9 23.0 181°.72 3°.0/26.9 18

8 19	0 21.56	+13 37.7	2.372	3.168	13.1	20.8
8 29	0 17.21	+13 8.4	2.287	3.169	10.5	20.7
9 8	0 11.28	+12 21.3	2.223	3.169	7.5	20.5
9 18	0 4.28	+11 18.1	2.186	3.169	4.5	20.3
9 28	23 56.91	+10 2.6	2.176	3.169	3.0	20.2
10 8	23 49.92	+ 8 40.8	2.196	3.168	5.1	20.3
10 18	23 44.00	+ 7 19.2	2.245	3.167	8.1	20.5
10 28	23 39.72	+ 6 4.0	2.319	3.165	11.1	20.7

23042 Craigpeters 9 23.0 152°.36 1°.3/21.5 18

8 19	0 21.72	− 1 35.8	2.330	3.187	11.4	19.1
8 29	0 17.26	− 2 15.3	2.259	3.189	8.4	18.9
9 8	0 11.27	− 3 2.3	2.211	3.191	5.1	18.7
9 18	0 4.27	− 3 52.8	2.191	3.193	1.8	18.4
9 28	23 56.94	− 4 41.8	2.200	3.194	2.7	18.5
10 8	23 50.02	− 5 24.3	2.238	3.196	6.1	18.7
10 18	23 44.19	− 5 56.6	2.302	3.198	9.2	19.0
10 28	23 39.97	− 6 16.0	2.391	3.199	12.0	19.1

360382 2002 CB_{262} 9 23.0 179°.70 1°.2/21.6 18

8 19	0 21.53	− 0 53.5	2.312	3.168	11.5	21.6
8 29	0 17.14	− 1 39.1	2.238	3.168	8.5	21.4
9 8	0 11.22	− 2 33.2	2.189	3.168	5.1	21.2
9 18	0 4.25	− 3 31.6	2.167	3.168	1.8	21.0
9 28	23 56.95	− 4 28.8	2.174	3.168	2.7	21.1
10 8	23 50.05	− 5 19.7	2.209	3.168	6.1	21.3
10 18	23 44.23	− 5 59.9	2.272	3.168	9.3	21.5
10 28	23 40.03	− 6 26.6	2.358	3.167	12.1	21.7

79570 1998 QK_{90} 9 23.0 30°.89 10°.6/ 2.5 18

8 19	0 22.65	+23 45.2	1.147	1.945	24.1	17.9
8 29	0 19.45	+24 40.3	1.097	1.959	20.7	17.7
9 8	0 13.28	+24 57.8	1.061	1.975	16.9	17.5
9 18	0 5.05	+24 33.9	1.043	1.991	13.2	17.4
9 28	23 56.19	+23 30.5	1.045	2.009	10.9	17.3
10 8	23 48.31	+21 57.0	1.068	2.027	11.0	17.4
10 18	23 42.69	+20 7.1	1.114	2.046	13.4	17.6
10 28	23 40.18	+18 16.3	1.181	2.067	16.6	17.8

353180 2009 RG_{14} 9 23.0 205°.23 0°.4/22.2 18

8 19	0 16.05	− 1 0.0	4.327	5.170	6.8	21.1
8 29	0 12.43	− 1 18.5	4.247	5.170	5.0	20.9
9 8	0 8.04	− 1 40.9	4.193	5.169	3.0	20.8
9 18	0 3.14	− 2 5.5	4.167	5.169	1.0	20.6
9 28	23 58.06	− 2 30.0	4.172	5.169	1.3	20.7
10 8	23 53.18	− 2 52.3	4.207	5.168	3.4	20.8
10 18	23 48.83	− 3 10.5	4.271	5.168	5.3	21.0
10 28	23 45.29	− 3 23.0	4.362	5.168	7.0	21.1

409100 2003 SO_{387} 9 23.0 318°.29 5°.1/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 29.67	−15 51.5	2.193	3.056	11.7	21.1
8 29	0 23.27	−16 8.6	2.124	3.051	9.0	21.0
9 8	0 15.02	−16 21.6	2.079	3.046	6.4	20.8
9 18	0 5.54	−16 25.7	2.060	3.040	5.1	20.7
9 28	23 55.70	−16 16.3	2.071	3.035	6.2	20.8
10 8	23 46.45	−15 51.1	2.109	3.030	8.8	20.9
10 18	23 38.58	−15 9.9	2.173	3.026	11.5	21.1
10 28	23 32.71	−14 13.6	2.260	3.021	14.0	21.3

219326 2000 HP_{68} 9 23.0 219°.53 4°.0/19.4 18

8 19	0 27.93	− 8 44.4	1.844	2.713	13.3	20.7
8 29	0 22.36	− 9 33.0	1.771	2.707	9.9	20.4
9 8	0 14.65	−10 25.4	1.721	2.699	6.4	20.2
9 18	0 5.46	−11 15.2	1.698	2.692	4.1	20.1
9 28	23 55.75	−11 55.2	1.703	2.683	5.6	20.1
10 8	23 46.59	−12 19.9	1.735	2.675	9.0	20.3
10 18	23 38.92	−12 26.3	1.792	2.666	12.6	20.5
10 28	23 33.47	−12 13.4	1.871	2.656	15.7	20.7

137221 1999 RX 9 23.0 353°.36 3°.9/25.7 18

8 19	0 20.63	+ 9 10.8	1.062	1.933	20.8	18.7
8 29	0 18.11	+ 9 25.6	0.998	1.926	16.5	18.4
9 8	0 12.60	+ 9 14.8	0.951	1.921	11.4	18.1
9 18	0 4.89	+ 8 39.2	0.923	1.918	6.2	17.8
9 28	23 56.32	+ 7 44.6	0.918	1.915	4.2	17.7
10 8	23 48.52	+ 6 41.0	0.935	1.914	8.5	17.9
10 18	23 42.87	+ 5 39.8	0.973	1.914	13.8	18.2
10 28	23 40.36	+ 4 51.0	1.031	1.916	18.5	18.5

451183 2009 SB_{318} 9 23.0 259°.52 0°.7/23.9 18

8 19	0 19.56	+ 5 51.0	2.347	3.183	12.0	21.4
8 29	0 15.72	+ 5 8.6	2.264	3.179	9.1	21.2
9 8	0 10.37	+ 4 13.0	2.205	3.175	5.9	21.0
9 18	0 3.99	+ 3 7.2	2.172	3.171	2.3	20.8
9 28	23 57.24	+ 1 56.3	2.168	3.167	1.7	20.7
10 8	23 50.84	+ 0 46.0	2.193	3.163	5.2	20.9
10 18	23 45.46	− 0 17.9	2.246	3.159	8.6	21.1
10 28	23 41.65	− 1 11.0	2.323	3.154	11.5	21.3

436455 2011 CN_{86} 9 23.0 168°.48 0°.5/23.6 17

8 19	0 25.83	+ 4 40.5	1.993	2.831	13.7	22.5
8 29	0 20.58	+ 4 5.6	1.919	2.836	10.4	22.3
9 8	0 13.45	+ 3 16.8	1.868	2.839	6.6	22.1
9 18	0 5.04	+ 2 17.7	1.843	2.843	2.5	21.9
9 28	23 56.21	+ 1 13.9	1.846	2.845	2.0	21.8
10 8	23 47.89	+ 0 12.0	1.879	2.847	6.1	22.1
10 18	23 40.92	− 0 42.1	1.938	2.848	9.9	22.4
10 28	23 35.94	− 1 23.6	2.022	2.849	13.2	22.6

65124 2002 CV_{61} 9 23.0 282°.26 5°.8/16.7 18

8 19	0 23.38	−15 7.0	2.080	2.957	11.7	19.9
8 29	0 18.76	−16 10.7	2.014	2.949	9.0	19.7
9 8	0 12.32	−17 13.1	1.973	2.941	6.6	19.5
9 18	0 4.66	−18 7.2	1.958	2.933	5.8	19.5
9 28	23 56.59	−18 46.4	1.970	2.925	7.2	19.5
10 8	23 49.00	−19 6.5	2.008	2.917	9.8	19.7
10 18	23 42.70	−19 5.4	2.070	2.910	12.5	19.8
10 28	23 38.29	−18 43.4	2.152	2.902	15.0	20.0

310867 2003 GF_{28} 9 23.0 195°.47 0°.1/23.3 18

8 19	0 14.55	+ 2 23.7	4.737	5.568	6.4	21.5
8 29	0 11.28	+ 2 0.0	4.652	5.567	4.8	21.4
9 8	0 7.32	+ 1 31.4	4.594	5.566	3.0	21.2
9 18	0 2.90	+ 0 59.5	4.564	5.565	1.1	21.1
9 28	23 58.33	+ 0 26.3	4.565	5.563	1.0	21.1
10 8	23 53.92	− 0 6.1	4.596	5.562	2.9	21.2
10 18	23 49.98	− 0 35.6	4.656	5.560	4.7	21.4
10 28	23 46.76	− 1 0.4	4.744	5.559	6.3	21.5

178696 2000 SB_{58} 9 23.0 143°.70 0°.8/22.1 18

8 19	0 20.52	+ 1 31.6	2.140	2.994	12.3	19.6
8 29	0 16.52	+ 0 34.0	2.067	2.996	9.2	19.4
9 8	0 10.89	− 0 35.2	2.019	2.997	5.6	19.2
9 18	0 4.17	− 1 51.1	1.997	2.999	1.8	18.9
9 28	23 57.09	− 3 7.5	2.004	3.001	2.5	19.0
10 8	23 50.44	− 4 17.9	2.040	3.002	6.2	19.2
10 18	23 44.94	− 5 16.8	2.102	3.003	9.7	19.4
10 28	23 41.15	− 6 0.4	2.188	3.005	12.7	19.6

339233 2004 UG 9 23.0 199°.89 8°.2/12.2 18

8 19	0 33.67	−31 32.9	2.898	3.720	10.3	21.1
8 29	0 25.94	−32 30.6	2.844	3.714	9.0	21.0
9 8	0 16.53	−33 16.4	2.815	3.708	8.3	21.0
9 18	0 6.04	−33 44.5	2.813	3.701	8.3	21.0
9 28	23 55.28	−33 50.7	2.837	3.693	9.2	21.0
10 8	23 45.10	−33 33.5	2.888	3.684	10.6	21.1
10 18	23 36.25	−32 53.8	2.961	3.675	12.1	21.2
10 28	23 29.27	−31 54.5	3.055	3.664	13.5	21.3

6234 Sheilawolfman 9 23.0 69°.28 0°.7/23.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 30.03	+ 3 25.1	1.260	2.123	18.6	16.9
8 29	0 24.33	+ 3 14.7	1.215	2.144	14.1	16.7
9 8	0 15.97	+ 2 47.8	1.189	2.165	8.8	16.5
9 18	0 5.89	+ 2 8.8	1.186	2.187	3.2	16.2
9 28	23 55.49	+ 1 25.0	1.209	2.208	2.6	16.2
10 8	23 46.18	+ 0 44.3	1.257	2.229	7.9	16.6
10 18	23 39.07	+ 0 13.5	1.329	2.250	12.6	16.9
10 28	23 34.83	− 0 3.0	1.423	2.271	16.5	17.2

514805 2007 RU_{308} 9 23.0 346°.56 1°.7/24.5 18

8 19	0 23.18	+ 6 34.2	1.704	2.549	15.4	21.7
8 29	0 18.96	+ 6 19.9	1.629	2.547	11.9	21.5
9 8	0 12.63	+ 5 49.0	1.576	2.546	7.8	21.3
9 18	0 4.82	+ 5 4.3	1.547	2.544	3.5	21.0
9 28	23 56.47	+ 4 10.8	1.544	2.543	2.3	20.9
10 8	23 48.67	+ 3 15.6	1.569	2.542	6.5	21.2
10 18	23 42.33	+ 2 25.5	1.619	2.541	10.7	21.4
10 28	23 38.20	+ 1 46.4	1.692	2.541	14.3	21.7

343338 2010 CH_{36} 9 23.0 118°.16 0°.6/23.5 18

8 19	0 29.22	+ 2 7.5	1.826	2.671	14.5	20.5
8 29	0 23.25	+ 2 13.3	1.757	2.677	11.0	20.2
9 8	0 15.17	+ 2 8.6	1.709	2.683	7.0	20.0
9 18	0 5.66	+ 1 55.9	1.688	2.689	2.6	19.8
9 28	23 55.70	+ 1 39.1	1.695	2.694	2.1	19.7
10 8	23 46.36	+ 1 23.0	1.730	2.700	6.4	20.0
10 18	23 38.57	+ 1 11.9	1.792	2.705	10.4	20.3
10 28	23 33.01	+ 1 9.3	1.877	2.710	13.8	20.5

394798 2008 RA_{8} 9 23.0 302°.00 0°.8/24.7 18

8 19	0 14.24	+ 6 52.3	4.240	5.057	7.4	21.1
8 29	0 11.17	+ 6 21.4	4.149	5.051	5.7	21.0
9 8	0 7.31	+ 5 42.9	4.083	5.046	3.7	20.8
9 18	0 2.94	+ 4 58.5	4.045	5.041	1.7	20.7
9 28	23 58.38	+ 4 10.5	4.037	5.036	1.1	20.6
10 8	23 54.00	+ 3 21.8	4.060	5.030	3.0	20.8
10 18	23 50.12	+ 2 34.9	4.112	5.025	5.0	20.9
10 28	23 47.06	+ 1 52.6	4.192	5.020	6.9	21.0

11252 Laërtes 9 23.0 315°.02 1°.4/20.2 18

8 19	0 15.67	− 5 57.5	4.177	5.034	6.7	17.7
8 29	0 12.21	− 6 27.6	4.101	5.033	4.9	17.6
9 8	0 7.95	− 7 0.0	4.052	5.031	3.0	17.5
9 18	0 3.16	− 7 32.3	4.031	5.029	1.5	17.3
9 28	23 58.20	− 8 2.1	4.041	5.027	2.2	17.4
10 8	23 53.43	− 8 27.0	4.080	5.026	4.1	17.5
10 18	23 49.21	− 8 45.3	4.147	5.024	5.9	17.7
10 28	23 45.84	− 8 55.5	4.240	5.022	7.6	17.8

265310 2004 JW_{13} 9 23.0 219°.41 1°.1/21.9 18

8 19	0 26.33	− 0 22.2	1.802	2.660	14.1	21.0
8 29	0 21.25	− 0 59.9	1.724	2.654	10.6	20.8
9 8	0 14.04	− 1 48.8	1.668	2.647	6.5	20.5
9 18	0 5.32	− 2 44.2	1.638	2.640	2.2	20.2
9 28	23 56.04	− 3 39.5	1.636	2.632	3.0	20.3
10 8	23 47.27	− 4 28.0	1.662	2.624	7.4	20.5
10 18	23 39.94	− 5 4.2	1.713	2.615	11.5	20.8
10 28	23 34.81	− 5 24.5	1.788	2.606	15.0	21.0

321625 2009 WR_{99} 9 23.0 324°.23 0°.8/24.6 18

8 19	0 15.16	+ 5 44.5	4.092	4.913	7.6	20.9
8 29	0 11.88	+ 5 27.0	4.002	4.908	5.8	20.7
9 8	0 7.77	+ 5 2.5	3.937	4.902	3.8	20.6
9 18	0 3.11	+ 4 32.7	3.900	4.897	1.7	20.4
9 28	23 58.26	+ 3 59.4	3.893	4.891	1.1	20.4
10 8	23 53.58	+ 3 25.4	3.916	4.886	3.1	20.5
10 18	23 49.44	+ 2 53.1	3.968	4.881	5.2	20.7
10 28	23 46.15	+ 2 24.8	4.046	4.876	7.1	20.8

65698 Emmarochelle 9 23.0 316°.12 0°.1/23.1 18

8 19	0 19.74	+ 3 57.6	1.403	2.274	16.6	19.4
8 29	0 17.17	+ 3 17.2	1.300	2.235	12.8	19.1
9 8	0 12.04	+ 2 14.9	1.217	2.197	8.2	18.7
9 18	0 4.82	+ 0 53.9	1.157	2.158	2.9	18.3
9 28	23 56.46	− 0 37.9	1.121	2.120	2.9	18.2
10 8	23 48.29	− 2 9.6	1.111	2.083	8.7	18.4
10 18	23 41.64	− 3 30.0	1.124	2.046	14.3	18.6
10 28	23 37.63	− 4 29.9	1.156	2.010	19.2	18.8

64783 2001 XL_{196} 9 23.0 10°.98 4°.0/20.2 18

8 19	0 19.69	− 3 36.6	0.919	1.830	19.5	17.8
8 29	0 17.48	− 4 43.1	0.874	1.832	14.5	17.5
9 8	0 12.19	− 6 3.8	0.846	1.835	8.9	17.3
9 18	0 4.76	− 7 27.4	0.839	1.840	4.3	17.0
9 28	23 56.72	− 8 40.3	0.854	1.846	6.5	17.2
10 8	23 49.73	− 9 30.7	0.890	1.854	11.8	17.5
10 18	23 45.08	− 9 52.6	0.946	1.863	16.9	17.8
10 28	23 43.58	− 9 44.7	1.019	1.873	21.2	18.1

511715 2015 CE_{53} 9 23.0 259°.25 1°.7/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.85	− 2 2.6	1.595	2.460	15.2	21.5
8 29	0 22.76	− 2 32.3	1.511	2.446	11.4	21.2
9 8	0 15.19	− 3 12.7	1.450	2.431	7.1	21.0
9 18	0 5.79	− 3 58.7	1.414	2.415	2.6	20.6
9 28	23 55.62	− 4 43.4	1.404	2.399	3.7	20.7
10 8	23 45.93	− 5 19.5	1.422	2.383	8.4	20.9
10 18	23 37.89	− 5 41.5	1.464	2.367	13.0	21.2
10 28	23 32.35	− 5 46.1	1.527	2.350	16.9	21.4

67337 2000 JJ_{11} 9 23.0 182°.30 1°.0/22.1 18

8 19	0 26.11	− 1 31.1	2.150	3.002	12.3	20.1
8 29	0 20.69	− 1 49.7	2.075	3.002	9.2	19.9
9 8	0 13.51	− 2 15.7	2.025	3.003	5.6	19.7
9 18	0 5.13	− 2 45.5	2.001	3.002	1.9	19.4
9 28	23 56.34	− 3 14.6	2.006	3.002	2.5	19.5
10 8	23 48.04	− 3 38.5	2.040	3.001	6.3	19.7
10 18	23 40.98	− 3 53.5	2.100	3.000	9.8	19.9
10 28	23 35.78	− 3 57.2	2.185	2.999	12.8	20.1

79312 1996 BQ_{5} 9 23.0 102°.41 1°.8/21.5 18

8 19	0 27.70	− 1 52.8	1.635	2.499	15.0	20.2
8 29	0 22.18	− 2 34.0	1.581	2.515	11.1	20.0
9 8	0 14.51	− 3 24.6	1.550	2.530	6.7	19.8
9 18	0 5.45	− 4 18.8	1.544	2.545	2.4	19.5
9 28	23 56.07	− 5 9.5	1.566	2.560	3.5	19.7
10 8	23 47.47	− 5 50.2	1.615	2.574	7.8	19.9
10 18	23 40.56	− 6 16.3	1.689	2.588	11.8	20.2
10 28	23 35.98	− 6 25.6	1.785	2.602	15.1	20.5

21916 1999 VU_{37} 9 23.0 36°.86 6°.0/18.9 18

8 19	0 27.24	−10 38.3	1.207	2.101	17.1	17.0
8 29	0 22.48	−11 33.2	1.162	2.110	12.8	16.8
9 8	0 14.96	−12 29.6	1.138	2.119	8.5	16.6
9 18	0 5.64	−13 17.8	1.137	2.129	6.0	16.5
9 28	23 55.92	−13 48.5	1.160	2.139	7.8	16.6
10 8	23 47.25	−13 55.8	1.207	2.150	11.7	16.9
10 18	23 40.78	−13 38.1	1.275	2.162	15.7	17.2
10 28	23 37.20	−12 57.1	1.362	2.174	19.2	17.4

405438 2004 TE_{64} 9 23.0 300°.32 0°.5/23.6 18

8 19	0 19.98	+ 4 38.3	2.119	2.964	12.8	21.3
8 29	0 16.26	+ 4 1.3	2.032	2.953	9.7	21.1
9 8	0 10.86	+ 3 10.7	1.968	2.942	6.2	20.9
9 18	0 4.25	+ 2 9.6	1.930	2.930	2.3	20.6
9 28	23 57.18	+ 1 3.3	1.920	2.919	1.9	20.6
10 8	23 50.46	− 0 1.9	1.939	2.908	5.8	20.8
10 18	23 44.85	− 0 59.9	1.984	2.898	9.5	21.0
10 28	23 40.97	− 1 46.0	2.053	2.887	12.7	21.2

407016 2009 SZ_{21} 9 23.0 275°.23 3°.2/26.4 17

8 19	0 24.73	+11 9.1	2.552	3.350	12.2	21.6
8 29	0 19.68	+11 25.8	2.444	3.328	9.8	21.4
9 8	0 12.95	+11 29.8	2.359	3.305	7.1	21.2
9 18	0 4.98	+11 21.2	2.300	3.283	4.4	21.0
9 28	23 56.43	+11 1.5	2.270	3.260	3.2	20.9
10 8	23 48.08	+10 34.0	2.268	3.237	5.2	21.0
10 18	23 40.67	+10 2.9	2.296	3.213	8.2	21.1
10 28	23 34.85	+ 9 32.8	2.348	3.190	11.1	21.3

483931 2006 BD_{76} 9 23.0 298°.93 4°.6/17.5 18

8 19	0 20.63	−10 52.1	2.131	3.010	11.4	21.0
8 29	0 16.71	−12 4.7	2.061	3.000	8.6	20.8
9 8	0 11.10	−13 19.8	2.015	2.991	5.8	20.7
9 18	0 4.32	−14 30.9	1.996	2.982	4.6	20.6
9 28	23 57.13	−15 31.1	2.005	2.973	6.1	20.7
10 8	23 50.35	−16 14.8	2.040	2.964	8.9	20.8
10 18	23 44.73	−16 38.9	2.100	2.955	11.8	21.0
10 28	23 40.86	−16 42.5	2.181	2.946	14.4	21.2

54074 2000 GV_{149} 9 23.0 308°.58 0°.9/22.4 18

8 19	0 24.51	+ 0 2.7	1.354	2.229	16.8	19.9
8 29	0 20.65	− 0 18.0	1.272	2.211	12.7	19.6
9 8	0 14.09	− 0 52.8	1.210	2.192	7.9	19.3
9 18	0 5.48	− 1 37.1	1.172	2.174	2.6	18.9
9 28	23 55.95	− 2 23.6	1.159	2.157	3.3	18.9
10 8	23 46.92	− 3 3.9	1.170	2.139	8.8	19.2
10 18	23 39.68	− 3 31.0	1.205	2.123	13.9	19.4
10 28	23 35.22	− 3 39.9	1.260	2.106	18.4	19.7

515929 2015 QJ_{13} 9 23.0 287°.13 3°.5/18.8 18

8 19	0 20.57	− 7 22.9	2.178	3.052	11.4	21.5
8 29	0 16.57	− 8 32.7	2.111	3.050	8.4	21.3
9 8	0 10.96	− 9 47.2	2.069	3.049	5.4	21.1
9 18	0 4.27	−11 0.4	2.054	3.047	3.5	21.0
9 28	23 57.21	−12 5.8	2.067	3.046	4.9	21.1
10 8	23 50.59	−12 57.5	2.107	3.044	7.9	21.3
10 18	23 45.10	−13 32.1	2.174	3.043	10.9	21.5
10 28	23 41.29	−13 47.9	2.262	3.041	13.5	21.7

263748 2008 JB_{26} 9 23.0 119°.62 2°.9/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 25.61	+11 1.8	1.715	2.537	16.3	20.9
8 29	0 20.69	+10 40.9	1.648	2.549	12.8	20.7
9 8	0 13.66	+ 9 59.3	1.601	2.560	8.8	20.5
9 18	0 5.20	+ 8 59.6	1.580	2.570	4.8	20.3
9 28	23 56.31	+ 7 47.3	1.585	2.581	3.1	20.2
10 8	23 48.08	+ 6 30.3	1.617	2.591	6.3	20.4
10 18	23 41.41	+ 5 16.6	1.677	2.600	10.3	20.7
10 28	23 36.99	+ 4 13.4	1.759	2.609	13.8	20.9

197586 2004 HQ_{11} 9 23.0 356°.16 1°.0/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.62	+ 7 35.0	4.224	5.037	7.5	19.8
8 29	0 11.46	+ 7 8.9	4.137	5.037	5.8	19.7
9 8	0 7.51	+ 6 35.2	4.076	5.037	3.8	19.5
9 18	0 3.05	+ 5 55.4	4.042	5.036	1.9	19.4
9 28	23 58.41	+ 5 11.7	4.039	5.036	1.2	19.3
10 8	23 53.95	+ 4 26.9	4.065	5.036	3.0	19.5
10 18	23 50.02	+ 3 43.5	4.121	5.036	5.0	19.6
10 28	23 46.90	+ 3 4.1	4.205	5.036	6.8	19.7

353352 2010 VK_{165} 9 23.0 236°.81 1°.2/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.42	− 5 39.9	4.795	5.648	6.0	21.7
8 29	0 11.95	− 6 5.9	4.711	5.641	4.4	21.6
9 8	0 7.77	− 6 33.9	4.655	5.633	2.7	21.5
9 18	0 3.13	− 7 2.2	4.627	5.625	1.3	21.4
9 28	23 58.33	− 7 28.4	4.630	5.618	1.9	21.4
10 8	23 53.68	− 7 50.7	4.663	5.610	3.6	21.5
10 18	23 49.50	− 8 7.4	4.725	5.602	5.3	21.6
10 28	23 46.05	− 8 17.4	4.812	5.594	6.8	21.8

481397 2006 SS_{59} 9 23.0 32°.34 5°.5/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.37	+14 22.7	1.512	2.331	18.2	20.5
8 29	0 20.05	+14 53.0	1.453	2.344	14.8	20.3
9 8	0 13.38	+15 0.2	1.413	2.357	11.0	20.1
9 18	0 5.13	+14 44.0	1.394	2.372	7.3	19.9
9 28	23 56.39	+14 7.7	1.401	2.387	5.5	19.9
10 8	23 48.39	+13 17.7	1.432	2.402	7.4	20.0
10 18	23 42.12	+12 22.2	1.489	2.419	10.8	20.3
10 28	23 38.33	+11 29.7	1.568	2.436	14.2	20.5

512224 2015 TY_{306} 9 23.0 63°.14 7°.7/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.16	−20 27.5	1.984	2.861	12.2	20.4
8 29	0 18.54	−21 57.9	1.951	2.877	9.7	20.3
9 8	0 12.14	−23 20.8	1.942	2.893	8.0	20.2
9 18	0 4.64	−24 28.2	1.958	2.909	7.8	20.2
9 28	23 56.91	−25 13.7	2.001	2.925	9.2	20.3
10 8	23 49.86	−25 34.1	2.068	2.941	11.3	20.5
10 18	23 44.22	−25 29.2	2.157	2.958	13.5	20.7
10 28	23 40.53	−25 1.2	2.265	2.974	15.4	20.9

393229 2013 GL_{87} 9 23.1 152°.02 0°.5/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.45	+ 1 57.0	2.395	3.242	11.4	21.6
8 29	0 16.32	+ 1 4.6	2.321	3.246	8.5	21.4
9 8	0 10.74	+ 0 1.7	2.272	3.249	5.2	21.2
9 18	0 4.19	− 1 7.5	2.250	3.252	1.7	20.9
9 28	23 57.32	− 2 17.7	2.257	3.254	2.1	21.0
10 8	23 50.84	− 3 23.2	2.294	3.257	5.6	21.2
10 18	23 45.39	− 4 19.2	2.358	3.260	8.8	21.4
10 28	23 41.47	− 5 2.0	2.447	3.262	11.5	21.6

208189 2000 QC_{188} 9 23.1 30°.26 5°.2/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.41	− 5 54.7	0.821	1.738	20.6	19.2
8 29	0 19.45	− 7 6.0	0.796	1.756	15.2	19.0
9 8	0 13.26	− 8 25.3	0.788	1.776	9.4	18.8
9 18	0 5.07	− 9 39.7	0.799	1.798	5.3	18.6
9 28	23 56.61	−10 35.9	0.832	1.821	7.5	18.8
10 8	23 49.58	−11 5.1	0.886	1.846	12.4	19.2
10 18	23 45.13	−11 5.0	0.959	1.871	17.2	19.6
10 28	23 43.89	−10 37.1	1.048	1.898	21.0	19.9

364586 2007 RG_{119} 9 23.1 18°.34 0°.2/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.27	+ 0 12.7	0.896	1.795	21.1	19.9
8 29	0 21.74	+ 0 21.1	0.852	1.801	15.9	19.6
9 8	0 14.86	+ 0 13.8	0.824	1.809	9.9	19.3
9 18	0 5.70	− 0 4.5	0.816	1.818	3.3	19.0
9 28	23 55.92	− 0 25.8	0.829	1.829	3.4	19.0
10 8	23 47.36	− 0 41.6	0.864	1.841	9.7	19.4
10 18	23 41.40	− 0 45.3	0.920	1.854	15.3	19.8
10 28	23 38.88	− 0 33.0	0.994	1.869	19.9	20.1

353050 2009 DZ_{35} 9 23.1 274°.41 1°.3/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.91	− 1 58.9	1.923	2.784	13.2	20.8
8 29	0 20.01	− 2 23.7	1.851	2.782	9.8	20.6
9 8	0 13.19	− 2 56.7	1.801	2.781	6.0	20.4
9 18	0 5.06	− 3 33.6	1.778	2.780	2.1	20.1
9 28	23 56.48	− 4 9.0	1.783	2.778	3.0	20.2
10 8	23 48.42	− 4 37.6	1.815	2.777	6.9	20.4
10 18	23 41.71	− 4 55.4	1.873	2.775	10.7	20.7
10 28	23 37.01	− 4 59.7	1.955	2.774	13.9	20.9

431252 2006 TU_{123} 9 23.1 246°.90 1°.4/21.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 25.63	− 0 10.9	1.686	2.548	14.7	22.6
8 29	0 20.95	− 0 57.0	1.603	2.536	11.0	22.3
9 8	0 14.00	− 1 56.2	1.543	2.523	6.8	22.1
9 18	0 5.39	− 3 3.2	1.508	2.510	2.3	21.8
9 28	23 56.12	− 4 10.5	1.500	2.496	3.3	21.8
10 8	23 47.30	− 5 10.2	1.520	2.482	8.0	22.0
10 18	23 39.99	− 5 55.8	1.565	2.467	12.3	22.3
10 28	23 34.99	− 6 23.0	1.631	2.452	16.1	22.5

348342 2005 ET_{61} 9 23.1 104°.10 2°.8/19.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.75	− 3 55.1	1.994	2.861	12.5	20.8
8 29	0 18.19	− 5 19.0	1.941	2.877	9.2	20.6
9 8	0 11.94	− 6 50.3	1.913	2.894	5.6	20.5
9 18	0 4.59	− 8 21.8	1.912	2.909	2.9	20.3
9 28	23 56.98	− 9 46.0	1.940	2.925	4.4	20.5
10 8	23 49.94	−10 56.1	1.996	2.940	7.7	20.7
10 18	23 44.21	−11 47.9	2.078	2.955	10.9	20.9
10 28	23 40.32	−12 19.5	2.182	2.969	13.7	21.1

37072 2000 UF_{52} 9 23.1 92°.37 1°.4/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.64	− 1 6.0	1.702	2.566	14.5	18.4
8 29	0 20.66	− 1 41.8	1.641	2.575	10.8	18.2
9 8	0 13.62	− 2 27.6	1.603	2.583	6.5	18.0
9 18	0 5.19	− 3 18.3	1.590	2.592	2.3	17.7
9 28	23 56.38	− 4 7.2	1.605	2.601	3.2	17.8
10 8	23 48.24	− 4 47.8	1.647	2.609	7.4	18.1
10 18	23 41.66	− 5 15.5	1.714	2.617	11.4	18.4
10 28	23 37.29	− 5 27.4	1.803	2.626	14.7	18.6

41646 2000 SJ_{273} 9 23.1 237°.91 3°.2/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.33	+10 48.7	1.540	2.371	17.4	19.9
8 29	0 20.94	+10 34.5	1.458	2.364	13.8	19.7
9 8	0 14.10	+ 9 57.5	1.396	2.357	9.6	19.4
9 18	0 5.45	+ 8 59.3	1.358	2.350	5.2	19.2
9 28	23 56.07	+ 7 45.0	1.345	2.342	3.4	19.0
10 8	23 47.22	+ 6 23.4	1.359	2.334	7.1	19.2
10 18	23 40.03	+ 5 4.0	1.399	2.326	11.6	19.5
10 28	23 35.37	+ 3 55.7	1.461	2.317	15.7	19.7

292270 2006 SP_{110} 9 23.1 338°.22 5°.9/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.34	−10 28.1	1.192	2.089	17.1	20.2
8 29	0 22.14	−11 14.6	1.132	2.081	13.0	19.9
9 8	0 15.00	−12 4.0	1.092	2.073	8.6	19.7
9 18	0 5.77	−12 46.9	1.074	2.067	6.0	19.5
9 28	23 55.84	−13 13.4	1.080	2.061	7.8	19.6
10 8	23 46.75	−13 16.6	1.109	2.056	12.1	19.8
10 18	23 39.82	−12 54.1	1.159	2.051	16.5	20.1
10 28	23 35.93	−12 7.0	1.227	2.048	20.3	20.3

346544 2008 UE_{300} 9 23.1 244°.15 0°.9/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.12	− 0 33.7	2.095	2.946	12.7	21.6
8 29	0 20.92	− 1 0.6	2.005	2.931	9.5	21.4
9 8	0 13.81	− 1 36.8	1.938	2.916	5.9	21.1
9 18	0 5.31	− 2 18.7	1.898	2.900	2.0	20.8
9 28	23 56.25	− 3 1.1	1.887	2.884	2.6	20.9
10 8	23 47.54	− 3 38.6	1.905	2.867	6.6	21.1
10 18	23 40.05	− 4 6.6	1.950	2.850	10.4	21.3
10 28	23 34.48	− 4 21.7	2.018	2.832	13.7	21.5

288 Glauke 9 23.1 140°.80 1°.7/21.1 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.01	− 2 33.7	2.350	3.205	11.3	14.9
8 29	0 18.93	− 3 22.8	2.286	3.216	8.4	14.8
9 8	0 12.33	− 4 18.7	2.247	3.226	5.1	14.6
9 18	0 4.74	− 5 16.9	2.236	3.236	2.0	14.4
9 28	23 56.87	− 6 12.0	2.254	3.246	3.0	14.5
10 8	23 49.48	− 6 59.0	2.301	3.255	6.2	14.7
10 18	23 43.22	− 7 34.2	2.376	3.264	9.3	14.9
10 28	23 38.61	− 7 55.4	2.474	3.272	12.0	15.1

372819 2010 UF_{16} 9 23.1 315°.65 0°.4/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.77	+ 3 11.3	1.253	2.130	17.8	21.3
8 29	0 18.66	+ 2 24.3	1.180	2.118	13.5	21.0
9 8	0 12.87	+ 1 16.3	1.126	2.108	8.5	20.7
9 18	0 5.08	− 0 7.0	1.095	2.097	2.8	20.3
9 28	23 56.49	− 1 35.6	1.088	2.087	3.2	20.3
10 8	23 48.51	− 2 58.0	1.106	2.077	8.9	20.6
10 18	23 42.39	− 4 4.3	1.147	2.068	14.2	20.9
10 28	23 39.08	− 4 47.6	1.208	2.060	18.6	21.1

318462 2005 EN_{24} 9 23.1 157°.08 2°.9/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.38	− 3 37.1	1.602	2.473	14.9	20.8
8 29	0 21.40	− 4 43.3	1.540	2.478	11.0	20.6
9 8	0 14.18	− 5 59.3	1.500	2.482	6.7	20.4
9 18	0 5.44	− 7 17.6	1.486	2.486	3.2	20.2
9 28	23 56.22	− 8 29.3	1.500	2.489	4.8	20.3
10 8	23 47.70	− 9 26.7	1.540	2.492	8.9	20.5
10 18	23 40.83	−10 4.5	1.605	2.494	12.9	20.8
10 28	23 36.33	−10 20.6	1.691	2.496	16.3	21.0

334660 2002 XC_{59} 9 23.1 339°.73 22°.4/12.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.80	+38 42.2	1.063	1.771	30.5	19.5
8 29	0 25.02	+41 39.2	1.003	1.766	28.8	19.3
9 8	0 17.97	+43 56.6	0.953	1.761	26.9	19.1
9 18	0 7.16	+45 19.9	0.914	1.756	25.0	19.0
9 28	23 54.27	+45 37.1	0.887	1.753	23.4	18.9
10 8	23 41.90	+44 45.6	0.875	1.750	22.5	18.8
10 18	23 32.58	+42 53.5	0.876	1.747	22.5	18.8
10 28	23 28.10	+40 18.9	0.893	1.746	23.6	18.9

288805 2004 RV_{158} 9 23.1 293°.65 2°.2/24.5 18

8 19	0 27.48	+ 5 52.9	1.281	2.139	18.6	20.7
8 29	0 23.02	+ 6 1.5	1.204	2.129	14.5	20.5
9 8	0 15.64	+ 5 51.3	1.147	2.120	9.7	20.2
9 18	0 6.06	+ 5 24.0	1.112	2.110	4.4	19.8
9 28	23 55.55	+ 4 44.7	1.102	2.101	3.0	19.7
10 8	23 45.65	+ 4 1.2	1.116	2.091	8.2	20.0
10 18	23 37.75	+ 3 22.0	1.154	2.082	13.4	20.3
10 28	23 32.86	+ 2 54.5	1.213	2.074	18.0	20.5

143973 2003 YP_{142} 9 23.1 108°.16 3°.5/26.0 18

8 19	0 27.64	+10 33.7	1.576	2.402	17.3	20.2
8 29	0 22.43	+10 36.6	1.509	2.412	13.6	20.0
9 8	0 14.87	+10 19.3	1.464	2.422	9.5	19.8
9 18	0 5.69	+ 9 43.0	1.441	2.431	5.3	19.6
9 28	23 55.99	+ 8 52.2	1.445	2.440	3.6	19.5
10 8	23 47.01	+ 7 54.3	1.476	2.449	6.8	19.7
10 18	23 39.76	+ 6 57.3	1.532	2.458	10.9	20.0
10 28	23 35.00	+ 6 8.3	1.612	2.466	14.6	20.2

485358 2011 CU_{77} 9 23.1 238°.32 4°.2/16.5 17

8 19	0 21.45	−14 43.9	3.108	3.973	8.6	22.6
8 29	0 16.88	−15 46.1	3.028	3.957	6.6	22.5
9 8	0 11.04	−16 47.9	2.975	3.940	4.8	22.4
9 18	0 4.34	−17 44.5	2.950	3.923	4.2	22.3
9 28	23 57.30	−18 31.5	2.954	3.905	5.3	22.3
10 8	23 50.52	−19 5.4	2.987	3.887	7.3	22.5
10 18	23 44.54	−19 24.0	3.046	3.869	9.4	22.6
10 28	23 39.84	−19 26.8	3.127	3.850	11.3	22.7

174074 2002 EO_{133} 9 23.1 46°.40 0°.1/23.2 18

8 19	0 20.55	+ 1 54.5	2.591	3.434	10.8	19.6
8 29	0 16.23	+ 1 36.6	2.530	3.451	8.0	19.5
9 8	0 10.61	+ 1 10.7	2.494	3.469	5.0	19.3
9 18	0 4.17	+ 0 39.6	2.485	3.486	1.7	19.1
9 28	23 57.51	+ 0 6.8	2.505	3.504	1.6	19.1
10 8	23 51.28	− 0 23.7	2.554	3.522	4.8	19.4
10 18	23 46.02	− 0 48.7	2.631	3.540	7.7	19.6
10 28	23 42.18	− 1 5.5	2.733	3.558	10.2	19.8

72744 2001 FF_{116} 9 23.1 196°.93 3°.0/26.6 18

8 19	0 21.45	+13 15.5	1.975	2.785	14.9	19.8
8 29	0 17.49	+12 33.5	1.892	2.784	11.8	19.6
9 8	0 11.68	+11 29.8	1.830	2.783	8.3	19.4
9 18	0 4.60	+10 6.7	1.793	2.781	4.7	19.2
9 28	23 57.06	+ 8 29.7	1.785	2.780	3.0	19.1
10 8	23 49.98	+ 6 46.9	1.804	2.778	5.7	19.3
10 18	23 44.15	+ 5 6.8	1.851	2.776	9.4	19.5
10 28	23 40.24	+ 3 37.3	1.924	2.774	12.8	19.7

469034 2015 AZ_{248} 9 23.1 92°.80 0°.2/23.3 17

8 19	0 29.28	+ 3 6.4	1.559	2.410	16.2	21.6
8 29	0 23.42	+ 2 39.7	1.509	2.433	12.2	21.4
9 8	0 15.32	+ 1 58.9	1.480	2.455	7.6	21.1
9 18	0 5.80	+ 1 8.6	1.476	2.477	2.7	20.9
9 28	23 55.98	+ 0 15.5	1.499	2.498	2.4	20.9
10 8	23 47.05	− 0 33.1	1.550	2.519	7.1	21.3
10 18	23 39.94	− 1 11.5	1.626	2.539	11.3	21.6
10 28	23 35.27	− 1 35.6	1.725	2.559	14.8	21.8

371449 2006 SM_{300} 9 23.1 26°.98 4°.2/19.9 16

8 19	0 19.94	− 3 20.8	0.930	1.840	19.5	19.9
8 29	0 17.48	− 4 44.2	0.896	1.854	14.3	19.6
9 8	0 12.07	− 6 20.7	0.880	1.869	8.7	19.4
9 18	0 4.75	− 7 57.4	0.885	1.886	4.4	19.2
9 28	23 57.04	− 9 20.4	0.913	1.904	6.6	19.4
10 8	23 50.47	−10 18.5	0.962	1.923	11.6	19.7
10 18	23 46.21	−10 46.8	1.031	1.943	16.3	20.1
10 28	23 44.90	−10 44.9	1.118	1.964	20.2	20.4

516242 2016 UM_{72} 9 23.1 312°.51 0°.1/23.1 18

8 19	0 23.29	+ 1 53.8	1.509	2.376	15.9	21.1
8 29	0 19.53	+ 1 37.5	1.423	2.356	12.1	20.9
9 8	0 13.32	+ 1 6.6	1.357	2.336	7.7	20.6
9 18	0 5.26	+ 0 24.9	1.314	2.316	2.7	20.2
9 28	23 56.38	− 0 21.7	1.298	2.297	2.6	20.2
10 8	23 47.90	− 1 5.4	1.307	2.278	7.8	20.4
10 18	23 41.01	− 1 39.5	1.340	2.259	12.7	20.7
10 28	23 36.60	− 1 58.4	1.394	2.242	16.9	20.9

461892 2006 KG_{67} 9 23.1 68°.49 6°.2/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 28.65	−10 5.3	1.216	2.108	17.2	20.9
8 29	0 23.35	−11 27.3	1.184	2.130	12.8	20.7
9 8	0 15.41	−12 50.8	1.172	2.152	8.5	20.5
9 18	0 5.83	−14 4.6	1.184	2.173	6.2	20.4
9 28	23 56.03	−14 58.4	1.220	2.195	8.1	20.6
10 8	23 47.41	−15 26.1	1.280	2.217	11.8	20.9
10 18	23 41.01	−15 26.1	1.362	2.239	15.6	21.2
10 28	23 37.45	−15 0.7	1.463	2.260	18.8	21.5

353355 2010 VQ_{184} 9 23.1 20°.51 0°.4/23.8 17

8 19	0 15.59	+ 3 33.8	4.157	4.986	7.3	21.3
8 29	0 12.20	+ 3 14.6	4.075	4.987	5.5	21.2
9 8	0 8.00	+ 2 49.4	4.018	4.988	3.5	21.0
9 18	0 3.28	+ 2 20.0	3.990	4.989	1.3	20.9
9 28	23 58.39	+ 1 48.5	3.992	4.990	1.0	20.9
10 8	23 53.68	+ 1 17.3	4.023	4.992	3.1	21.0
10 18	23 49.51	+ 0 48.8	4.084	4.993	5.2	21.2
10 28	23 46.18	+ 0 25.0	4.172	4.994	7.0	21.3

199977 2007 JB_{1} 9 23.1 46°.18 2°.3/21.4 16

8 19	0 27.69	− 3 16.2	1.276	2.157	17.3	20.4
8 29	0 22.51	− 3 46.5	1.238	2.180	12.7	20.2
9 8	0 14.84	− 4 25.6	1.222	2.205	7.7	20.0
9 18	0 5.65	− 5 6.6	1.228	2.230	3.0	19.8
9 28	23 56.23	− 5 41.8	1.260	2.255	4.2	19.9
10 8	23 47.91	− 6 4.7	1.318	2.281	8.8	20.3
10 18	23 41.66	− 6 11.6	1.398	2.307	13.1	20.6
10 28	23 38.11	− 6 1.1	1.500	2.333	16.6	20.9

388904 2008 SR_{55} 9 23.1 330°.63 2°.7/21.7 16

8 19	0 29.79	− 6 41.7	1.254	2.138	17.3	20.7
8 29	0 24.90	− 6 24.3	1.175	2.118	13.1	20.3
9 8	0 16.91	− 6 9.5	1.116	2.099	8.3	20.0
9 18	0 6.56	− 5 52.7	1.080	2.080	3.5	19.7
9 28	23 55.17	− 5 28.5	1.068	2.063	4.6	19.7
10 8	23 44.40	− 4 52.8	1.081	2.047	9.9	20.0
10 18	23 35.72	− 4 3.5	1.117	2.032	15.1	20.2
10 28	23 30.21	− 3 0.4	1.173	2.018	19.5	20.5

273503 2007 AD_{27} 9 23.1 242°.31 0°.8/22.4 18

8 19	0 26.50	+ 0 17.4	1.722	2.580	14.6	21.2
8 29	0 21.55	− 0 11.7	1.641	2.571	11.0	20.9
9 8	0 14.37	− 0 52.6	1.583	2.562	6.8	20.6
9 18	0 5.58	− 1 41.1	1.550	2.552	2.3	20.3
9 28	23 56.16	− 2 30.8	1.545	2.542	2.8	20.4
10 8	23 47.24	− 3 14.9	1.567	2.532	7.4	20.6
10 18	23 39.82	− 3 47.8	1.615	2.522	11.7	20.9
10 28	23 34.68	− 4 5.3	1.684	2.511	15.4	21.1

168630 2000 CO_{83} 9 23.1 248°.74 3°.2/19.5 18

8 19	0 23.27	− 6 7.0	2.094	2.963	12.0	20.4
8 29	0 18.78	− 7 10.1	2.013	2.949	8.9	20.2
9 8	0 12.48	− 8 19.9	1.956	2.936	5.6	19.9
9 18	0 4.91	− 9 30.4	1.926	2.922	3.2	19.8
9 28	23 56.82	−10 34.8	1.924	2.908	4.7	19.8
10 8	23 49.12	−11 26.8	1.951	2.893	8.0	20.0
10 18	23 42.60	−12 2.2	2.003	2.878	11.4	20.2
10 28	23 37.93	−12 18.6	2.077	2.863	14.3	20.4

63440 2001 MD_{30} 9 23.1 296°.80 14°.0/ 7.1 17

8 19	0 20.21	+33 24.4	1.164	1.906	26.7	18.1
8 29	0 18.27	+33 58.9	1.083	1.895	24.2	17.9
9 8	0 13.09	+33 46.1	1.014	1.884	21.2	17.6
9 18	0 5.31	+32 36.3	0.959	1.874	17.9	17.4
9 28	23 56.37	+30 25.0	0.922	1.863	15.1	17.2
10 8	23 48.09	+27 19.4	0.905	1.853	14.0	17.1
10 18	23 42.13	+23 37.3	0.911	1.844	15.5	17.2
10 28	23 39.67	+19 44.2	0.938	1.834	18.8	17.3

327108 2005 BC_{27} 9 23.1 293°.05 13°.1/ 1.9 18

8 19	0 32.54	−45 15.6	2.355	3.137	13.6	20.2
8 29	0 26.04	−46 39.2	2.313	3.113	13.2	20.2
9 8	0 17.08	−47 41.5	2.291	3.090	13.2	20.1
9 18	0 6.47	−48 14.6	2.288	3.067	13.8	20.1
9 28	23 55.38	−48 13.2	2.306	3.043	14.7	20.2
10 8	23 45.10	−47 36.4	2.341	3.020	15.9	20.2
10 18	23 36.68	−46 26.7	2.392	2.996	17.0	20.3
10 28	23 30.87	−44 48.7	2.457	2.973	18.1	20.4

92457 2000 KY_{34} 9 23.1 36°.77 2°.2/24.7 18

8 19	0 22.39	+ 8 19.5	0.985	1.861	21.6	18.1
8 29	0 19.30	+ 7 48.8	0.941	1.875	16.6	17.8
9 8	0 13.24	+ 6 49.9	0.915	1.891	10.9	17.6
9 18	0 5.19	+ 5 28.6	0.909	1.908	4.9	17.3
9 28	23 56.67	+ 3 56.1	0.926	1.926	3.0	17.3
10 8	23 49.26	+ 2 25.8	0.966	1.944	8.5	17.7
10 18	23 44.18	+ 1 9.4	1.027	1.963	13.8	18.0
10 28	23 42.16	+ 0 14.9	1.108	1.983	18.3	18.4

301538 2009 FK_{50} 9 23.1 321°.40 2°.8/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 21.86	− 4 12.6	1.803	2.677	13.3	20.3
8 29	0 17.90	− 5 13.6	1.733	2.673	9.9	20.1
9 8	0 11.99	− 6 23.2	1.687	2.670	6.1	19.8
9 18	0 4.74	− 7 34.9	1.667	2.666	3.0	19.6
9 28	23 57.03	− 8 41.0	1.674	2.662	4.5	19.7
10 8	23 49.83	− 9 34.6	1.708	2.659	8.2	20.0
10 18	23 43.99	−10 10.8	1.767	2.656	11.9	20.2
10 28	23 40.18	−10 27.3	1.847	2.653	15.1	20.4

418963 2009 HC_{4} 9 23.1 200°.68 2°.8/18.5 17

8 19	0 19.17	−10 34.1	3.353	4.217	8.0	21.6
8 29	0 15.03	−11 16.1	3.283	4.215	6.0	21.5
9 8	0 9.83	−11 58.8	3.239	4.213	4.0	21.3
9 18	0 3.94	−12 38.8	3.223	4.211	2.8	21.3
9 28	23 57.82	−13 12.6	3.237	4.209	3.8	21.3
10 8	23 51.98	−13 37.3	3.280	4.207	5.8	21.5
10 18	23 46.87	−13 51.1	3.350	4.204	7.8	21.6
10 28	23 42.88	−13 52.9	3.444	4.202	9.7	21.7

2677 Joan 9 23.1 143°.49 1°.1/24.5 18 R

8 19	0 20.69	+ 7 16.9	2.280	3.110	12.5	16.5
8 29	0 16.63	+ 6 34.6	2.203	3.113	9.6	16.3
9 8	0 11.03	+ 5 37.9	2.149	3.116	6.2	16.1
9 18	0 4.38	+ 4 29.9	2.122	3.119	2.7	15.9
9 28	23 57.39	+ 3 15.9	2.123	3.122	1.7	15.8
10 8	23 50.81	+ 2 1.8	2.154	3.125	5.2	16.1
10 18	23 45.30	+ 0 53.5	2.212	3.127	8.6	16.3
10 28	23 41.41	− 0 3.9	2.295	3.130	11.5	16.5

237563 2000 YX_{108} 9 23.1 291°.96 3°.0/20.4 18

8 19	0 24.24	− 5 2.7	1.666	2.542	14.2	20.0
8 29	0 19.91	− 5 50.7	1.591	2.531	10.6	19.8
9 8	0 13.38	− 6 46.8	1.538	2.520	6.6	19.5
9 18	0 5.26	− 7 44.6	1.511	2.509	3.2	19.3
9 28	23 56.55	− 8 36.6	1.510	2.499	4.8	19.4
10 8	23 48.35	− 9 15.7	1.535	2.488	8.8	19.6
10 18	23 41.66	− 9 37.2	1.585	2.478	12.8	19.8
10 28	23 37.24	− 9 38.9	1.656	2.467	16.3	20.0

482414 2012 BK_{93} 9 23.1 220°.21 1°.2/21.7 18

8 19	0 22.75	− 1 44.4	2.510	3.362	10.8	22.4
8 29	0 18.06	− 2 18.4	2.428	3.356	8.0	22.2
9 8	0 11.89	− 2 59.5	2.371	3.349	4.9	22.0
9 18	0 4.69	− 3 44.0	2.341	3.342	1.7	21.8
9 28	23 57.13	− 4 27.5	2.341	3.335	2.5	21.8
10 8	23 49.90	− 5 5.5	2.369	3.328	5.8	22.0
10 18	23 43.67	− 5 34.4	2.426	3.320	8.9	22.2
10 28	23 38.97	− 5 51.5	2.506	3.312	11.6	22.4

347988 2003 SJ_{123} 9 23.1 315°.84 1°.9/24.2 18

8 19	0 29.14	+ 3 12.8	1.525	2.378	16.5	20.4
8 29	0 24.02	+ 3 49.0	1.435	2.358	12.8	20.1
9 8	0 16.22	+ 4 14.5	1.366	2.339	8.5	19.8
9 18	0 6.33	+ 4 30.0	1.321	2.319	3.8	19.5
9 28	23 55.47	+ 4 37.8	1.302	2.301	2.8	19.4
10 8	23 44.99	+ 4 42.0	1.310	2.283	7.5	19.6
10 18	23 36.20	+ 4 47.1	1.342	2.265	12.3	19.9
10 28	23 30.09	+ 4 58.0	1.397	2.249	16.6	20.1

1511 Daléra 9 23.1 177°.73 2°.5/20.8 18

8 19	0 27.08	− 3 42.4	1.746	2.612	14.1	16.9
8 29	0 21.83	− 4 32.8	1.678	2.613	10.5	16.7
9 8	0 14.44	− 5 31.7	1.634	2.614	6.4	16.4
9 18	0 5.60	− 6 32.9	1.615	2.615	2.8	16.2
9 28	23 56.28	− 7 29.2	1.624	2.615	4.2	16.3
10 8	23 47.56	− 8 13.7	1.661	2.615	8.2	16.6
10 18	23 40.39	− 8 42.0	1.723	2.614	12.1	16.8
10 28	23 35.46	− 8 51.7	1.807	2.613	15.4	17.0

238265 2003 WK_{45} 9 23.1 350°.88 8°.8/17.5 18

8 19	0 24.06	−17 1.1	1.128	2.033	17.2	18.7
8 29	0 20.60	−17 44.4	1.073	2.021	13.6	18.5
9 8	0 14.14	−18 21.4	1.037	2.011	10.2	18.3
9 18	0 5.57	−18 41.7	1.022	2.002	8.8	18.2
9 28	23 56.32	−18 36.0	1.029	1.996	10.5	18.2
10 8	23 48.00	−17 59.7	1.057	1.991	14.1	18.4
10 18	23 41.91	−16 53.6	1.106	1.988	17.9	18.6
10 28	23 38.91	−15 21.9	1.172	1.987	21.4	18.9

7807 Grier 9 23.1 98°.95 1°.9/25.6 18

8 19	0 19.99	+10 13.1	2.404	3.220	12.4	18.1
8 29	0 16.02	+ 9 32.3	2.330	3.229	9.6	17.9
9 8	0 10.61	+ 8 36.1	2.279	3.238	6.5	17.7
9 18	0 4.24	+ 7 27.3	2.255	3.247	3.3	17.5
9 28	23 57.59	+ 6 10.5	2.259	3.256	2.1	17.5
10 8	23 51.34	+ 4 51.6	2.292	3.265	4.8	17.7
10 18	23 46.12	+ 3 36.6	2.354	3.274	7.9	17.9
10 28	23 42.43	+ 2 30.6	2.441	3.282	10.7	18.1

249391 2009 BU_{108} 9 23.1 105°.94 0°.5/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 21.40	+ 3 5.0	3.251	4.079	9.2	21.2
8 29	0 16.67	+ 2 59.9	3.177	4.088	6.9	21.1
9 8	0 10.84	+ 2 48.0	3.127	4.097	4.4	20.9
9 18	0 4.30	+ 2 31.0	3.106	4.106	1.7	20.7
9 28	23 57.53	+ 2 11.4	3.115	4.114	1.3	20.7
10 8	23 51.07	+ 1 52.0	3.154	4.123	3.9	20.9
10 18	23 45.38	+ 1 35.3	3.222	4.131	6.4	21.1
10 28	23 40.88	+ 1 23.7	3.317	4.139	8.6	21.3

382303 2013 BO_{1} 9 23.1 18°.58 3°.4/15.8 18

8 19	0 15.62	−16 33.8	4.217	5.083	6.5	19.9
8 29	0 12.24	−17 23.2	4.157	5.084	5.0	19.8
9 8	0 8.05	−18 10.9	4.123	5.084	3.8	19.8
9 18	0 3.34	−18 53.7	4.118	5.085	3.5	19.7
9 28	23 58.46	−19 28.8	4.143	5.085	4.2	19.8
10 8	23 53.79	−19 54.0	4.195	5.086	5.6	19.9
10 18	23 49.67	−20 8.2	4.273	5.086	7.1	20.0
10 28	23 46.42	−20 10.7	4.374	5.087	8.4	20.1

48005 2001 BM_{66} 9 23.1 155°.73 3°.5/19.8 18

8 19	0 25.13	− 4 37.2	1.594	2.470	14.7	19.0
8 29	0 20.52	− 5 54.7	1.533	2.473	10.9	18.8
9 8	0 13.69	− 7 21.4	1.495	2.477	6.7	18.5
9 18	0 5.35	− 8 49.2	1.482	2.479	3.6	18.4
9 28	23 56.54	−10 8.6	1.496	2.482	5.3	18.5
10 8	23 48.39	−11 11.5	1.537	2.484	9.3	18.7
10 18	23 41.88	−11 52.7	1.602	2.486	13.2	19.0
10 28	23 37.69	−12 10.3	1.688	2.488	16.5	19.2

135768 2002 RH_{35} 9 23.1 353°.36 0°.9/23.5 18

8 19	0 24.44	− 0 24.4	1.100	1.989	18.8	18.2
8 29	0 21.01	+ 0 26.3	1.033	1.977	14.4	17.9
9 8	0 14.53	+ 1 8.3	0.984	1.967	9.2	17.6
9 18	0 5.76	+ 1 42.7	0.957	1.959	3.5	17.2
9 28	23 56.09	+ 2 12.4	0.953	1.953	2.9	17.1
10 8	23 47.17	+ 2 41.2	0.972	1.949	8.7	17.5
10 18	23 40.42	+ 3 13.0	1.013	1.948	14.1	17.8
10 28	23 36.86	+ 3 51.5	1.073	1.949	18.7	18.1

407598 2011 BP_{9} 9 23.1 214°.36 4°.2/28.5 17

8 19	0 22.93	+16 34.6	2.806	3.573	12.0	21.7
8 29	0 18.16	+16 47.3	2.712	3.568	9.9	21.6
9 8	0 11.95	+16 45.2	2.640	3.563	7.5	21.4
9 18	0 4.73	+16 28.1	2.593	3.557	5.3	21.3
9 28	23 57.11	+15 57.7	2.574	3.552	4.2	21.2
10 8	23 49.75	+15 17.1	2.584	3.546	5.1	21.2
10 18	23 43.30	+14 30.5	2.623	3.539	7.3	21.4
10 28	23 38.29	+13 43.1	2.687	3.533	9.7	21.5

513852 2013 GL_{96} 9 23.1 140°.85 1°.0/21.8 18

8 19	0 22.63	− 1 15.5	2.712	3.560	10.2	22.3
8 29	0 17.76	− 1 54.3	2.645	3.570	7.6	22.1
9 8	0 11.59	− 2 39.6	2.603	3.581	4.6	21.9
9 18	0 4.57	− 3 27.8	2.589	3.590	1.6	21.7
9 28	23 57.31	− 4 14.7	2.605	3.600	2.3	21.8
10 8	23 50.43	− 4 56.3	2.651	3.609	5.3	22.0
10 18	23 44.52	− 5 29.1	2.725	3.617	8.1	22.2
10 28	23 40.01	− 5 50.8	2.823	3.625	10.5	22.4

32866 1993 FW_{16} 9 23.1 33°.03 1°.7/21.5 18

8 19	0 22.86	− 2 12.3	1.788	2.657	13.7	18.9
8 29	0 18.56	− 2 48.4	1.727	2.663	10.1	18.7
9 8	0 12.35	− 3 33.1	1.689	2.670	6.2	18.4
9 18	0 4.87	− 4 21.3	1.676	2.678	2.3	18.2
9 28	23 57.03	− 5 6.7	1.691	2.686	3.3	18.3
10 8	23 49.77	− 5 43.5	1.733	2.694	7.3	18.6
10 18	23 43.94	− 6 7.3	1.800	2.702	11.0	18.8
10 28	23 40.13	− 6 15.5	1.889	2.711	14.2	19.1

58824 1998 HY_{10} 9 23.1 17°.33 5°.4/18.4 18

8 19	0 25.77	−13 22.7	1.765	2.645	13.3	18.0
8 29	0 20.76	−14 3.7	1.710	2.648	10.1	17.8
9 8	0 13.72	−14 43.1	1.677	2.651	7.0	17.7
9 18	0 5.34	−15 14.3	1.670	2.655	5.4	17.6
9 28	23 56.60	−15 31.1	1.690	2.660	6.8	17.7
10 8	23 48.56	−15 29.5	1.735	2.664	9.8	17.9
10 18	23 42.07	−15 8.4	1.804	2.670	12.9	18.1
10 28	23 37.76	−14 28.7	1.894	2.675	15.7	18.3

218512 2004 TL_{112} 9 23.1 240°.77 6°.5/30.7 17

8 19	0 24.02	+22 1.3	2.389	3.130	14.5	20.2
8 29	0 19.29	+22 34.8	2.301	3.129	12.4	20.0
9 8	0 12.81	+22 49.0	2.232	3.127	10.0	19.9
9 18	0 5.07	+22 42.3	2.186	3.125	7.9	19.7
9 28	23 56.81	+22 15.2	2.167	3.123	6.6	19.7
10 8	23 48.89	+21 31.2	2.174	3.122	7.0	19.7
10 18	23 42.09	+20 35.3	2.208	3.120	8.8	19.8
10 28	23 37.07	+19 34.4	2.268	3.118	11.1	19.9

100246 1994 RD_3 9 23.1 0.°78 3.°0/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 26.10	+ 6 29.6	1.228	2.090	19.1	19.1
8 29	0 21.96	+ 6 56.9	1.163	2.088	14.9	18.9
9 8	0 14.96	+ 7 5.7	1.116	2.087	10.1	18.6
9 18	0 5.89	+ 6 56.9	1.091	2.087	5.1	18.3
9 28	23 56.06	+ 6 34.7	1.090	2.087	3.5	18.2
10 8	23 46.98	+ 6 5.9	1.113	2.089	8.0	18.5
10 18	23 39.96	+ 5 38.4	1.159	2.091	12.9	18.8
10 28	23 35.91	+ 5 19.2	1.225	2.095	17.3	19.1

224658 2005 YM_{287} 9 23.1 313.°83 6.°5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.12	−17 2.6	2.245	3.125	10.9	19.5
8 29	0 16.31	−18 52.8	2.192	3.124	8.5	19.4
9 8	0 10.90	−20 40.8	2.164	3.123	6.8	19.3
9 18	0 4.39	−22 18.5	2.164	3.122	6.7	19.3
9 28	23 57.53	−23 38.6	2.191	3.122	8.1	19.3
10 8	23 51.09	−24 36.0	2.244	3.121	10.4	19.5
10 18	23 45.78	−25 8.6	2.320	3.121	12.6	19.6
10 28	23 42.15	−25 16.8	2.415	3.120	14.7	19.8

260264 2004 SP_{29} 9 23.1 14.°95 0.°0/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.30	+ 0 40.6	1.908	2.761	13.6	19.9
8 29	0 20.34	+ 0 40.5	1.837	2.764	10.2	19.7
9 8	0 13.47	+ 0 31.2	1.790	2.766	6.4	19.5
9 18	0 5.29	+ 0 15.7	1.768	2.769	2.2	19.2
9 28	23 56.68	− 0 2.0	1.774	2.772	2.1	19.2
10 8	23 48.61	− 0 17.3	1.807	2.776	6.3	19.5
10 18	23 41.91	− 0 26.4	1.867	2.780	10.1	19.7
10 28	23 37.23	− 0 26.0	1.951	2.784	13.3	19.9

66114 1998 SG_{68} 9 23.1 348.°83 6.°2/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.05	+21 43.6	2.112	2.871	15.6	19.2
8 29	0 16.49	+21 46.6	2.025	2.869	13.2	19.0
9 8	0 11.13	+21 26.1	1.958	2.867	10.6	18.8
9 18	0 4.51	+20 41.6	1.914	2.865	7.9	18.7
9 28	23 57.40	+19 35.0	1.895	2.863	6.3	18.6
10 8	23 50.70	+18 11.8	1.902	2.862	6.8	18.6
10 18	23 45.20	+16 39.6	1.936	2.861	9.1	18.7
10 28	23 41.56	+15 6.7	1.996	2.860	11.8	18.9

385507 2004 FZ_{31} 9 23.1 135.°22 2.°2/23.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 46.71	+ 0 53.5	1.099	1.951	21.5	20.5
8 29	0 37.88	+ 2 8.3	1.036	1.957	16.7	20.2
9 8	0 25.08	+ 3 14.1	0.991	1.964	10.8	19.9
9 18	0 9.40	+ 4 10.0	0.971	1.970	4.6	19.6
9 28	23 52.77	+ 4 56.0	0.977	1.975	3.6	19.6
10 8	23 37.40	+ 5 34.6	1.010	1.981	9.6	19.9
10 18	23 25.12	+ 6 9.6	1.067	1.985	15.2	20.3
10 28	23 16.98	+ 6 45.7	1.144	1.989	19.9	20.6

235104 2003 MH_8 9 23.1 337.°59 2.°7/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.62	+ 0 10.0	1.310	2.200	16.3	18.6
8 29	0 14.67	− 1 25.3	1.239	2.187	12.1	18.3
9 8	0 10.36	− 3 20.7	1.189	2.175	7.4	18.0
9 18	0 4.32	− 5 27.1	1.162	2.164	3.0	17.7
9 28	23 57.59	− 7 31.4	1.161	2.154	5.0	17.8
10 8	23 51.42	− 9 20.3	1.185	2.145	10.0	18.1
10 18	23 46.90	−10 43.8	1.231	2.136	14.7	18.3
10 28	23 44.85	−11 36.5	1.297	2.129	18.8	18.6

249557 2010 KW_{37} 9 23.1 180.°67 2.°6/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.38	+10 18.9	1.989	2.808	14.4	21.6
8 29	0 18.93	+ 9 59.5	1.909	2.809	11.4	21.4
9 8	0 12.62	+ 9 22.3	1.851	2.809	7.8	21.2
9 18	0 5.02	+ 8 29.4	1.818	2.809	4.2	21.0
9 28	23 56.94	+ 7 25.3	1.813	2.809	2.7	20.9
10 8	23 49.33	+ 6 16.5	1.835	2.809	5.7	21.1
10 18	23 43.00	+ 5 9.7	1.885	2.808	9.4	21.3
10 28	23 38.60	+ 4 11.4	1.960	2.807	12.7	21.6

183747 2003 YK_{144} 9 23.1 168.°85 2.°3/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.71	− 2 38.2	1.733	2.598	14.2	21.2
8 29	0 21.57	− 3 33.0	1.667	2.601	10.6	21.0
9 8	0 14.30	− 4 37.6	1.623	2.604	6.4	20.7
9 18	0 5.59	− 5 45.6	1.606	2.606	2.7	20.5
9 28	23 56.42	− 6 49.4	1.616	2.608	4.0	20.6
10 8	23 47.86	− 7 42.0	1.654	2.609	8.1	20.8
10 18	23 40.84	− 8 18.2	1.717	2.610	12.0	21.1
10 28	23 36.05	− 8 35.4	1.802	2.610	15.3	21.3

385662 2005 SH_{92} 9 23.1 344.°56 1.°1/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.03	+ 4 54.7	1.127	2.010	19.0	20.7
8 29	0 16.86	+ 4 37.6	1.058	1.998	14.6	20.4
9 8	0 11.91	+ 3 58.6	1.007	1.987	9.5	20.1
9 18	0 4.90	+ 3 1.3	0.977	1.978	3.8	19.8
9 28	23 57.04	+ 1 53.9	0.970	1.970	2.7	19.7
10 8	23 49.84	+ 0 47.4	0.986	1.963	8.5	20.0
10 18	23 44.60	− 0 8.2	1.024	1.958	14.0	20.3
10 28	23 42.26	− 0 44.9	1.081	1.955	18.7	20.6

90032 2002 UM_{28} 9 23.1 302.°17 3.°7/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 23.04	− 7 9.3	1.810	2.687	13.1	19.5
8 29	0 18.83	− 8 5.9	1.738	2.679	9.8	19.3
9 8	0 12.63	− 9 8.3	1.690	2.671	6.2	19.1
9 18	0 5.04	−10 9.9	1.668	2.663	3.8	18.9
9 28	23 56.94	−11 3.2	1.672	2.655	5.3	19.0
10 8	23 49.34	−11 42.0	1.703	2.648	8.8	19.2
10 18	23 43.12	−12 2.3	1.759	2.640	12.4	19.4
10 28	23 38.97	−12 2.5	1.835	2.633	15.5	19.6

227401 2005 UM_{403} 9 23.1 141.°99 0.°4/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.77	+ 2 21.2	1.847	2.697	14.2	21.2
8 29	0 20.71	+ 1 37.6	1.781	2.705	10.6	21.0
9 8	0 13.70	+ 0 41.1	1.737	2.714	6.6	20.8
9 18	0 5.37	− 0 23.6	1.720	2.721	2.2	20.5
9 28	23 56.65	− 1 29.9	1.730	2.728	2.4	20.5
10 8	23 48.52	− 2 31.0	1.769	2.735	6.7	20.8
10 18	23 41.83	− 3 20.8	1.835	2.741	10.6	21.1
10 28	23 37.22	− 3 55.6	1.923	2.747	13.9	21.3

251768 1999 JF_{98} 9 23.1 81.°78 0.°6/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.07	+ 3 12.5	1.346	2.212	17.5	20.4
8 29	0 21.38	+ 2 10.7	1.298	2.231	13.1	20.2
9 8	0 14.26	+ 0 51.2	1.270	2.249	8.0	19.9
9 18	0 5.57	− 0 38.5	1.266	2.267	2.6	19.7
9 28	23 56.52	− 2 8.5	1.288	2.286	3.0	19.8
10 8	23 48.38	− 3 28.5	1.336	2.304	8.1	20.1
10 18	23 42.18	− 4 30.9	1.409	2.322	12.7	20.4
10 28	23 38.56	− 5 11.5	1.503	2.339	16.4	20.7

302707 2002 TP_{181} 9 23.1 3.°01 5.°7/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.81	+14 13.4	1.430	2.257	18.7	19.5
8 29	0 18.45	+14 41.6	1.360	2.256	15.2	19.3
9 8	0 12.66	+14 45.8	1.308	2.256	11.4	19.1
9 18	0 5.10	+14 25.3	1.278	2.257	7.6	18.8
9 28	23 56.88	+13 43.0	1.271	2.259	5.7	18.7
10 8	23 49.25	+12 45.9	1.289	2.262	7.7	18.9
10 18	23 43.35	+11 42.8	1.331	2.266	11.4	19.1
10 28	23 40.00	+10 43.3	1.395	2.271	15.2	19.3

514954 2008 YB_{175} 9 23.1 198.°26 4.°6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.72	− 9 11.9	1.844	2.723	12.8	21.3
8 29	0 18.50	−10 30.9	1.782	2.723	9.6	21.1
9 8	0 12.37	−11 53.9	1.745	2.723	6.3	20.9
9 18	0 4.93	−13 13.3	1.733	2.723	4.6	20.8
9 28	23 57.07	−14 20.9	1.749	2.723	6.2	20.9
10 8	23 49.76	−15 10.4	1.791	2.722	9.4	21.1
10 18	23 43.82	−15 38.2	1.858	2.722	12.7	21.3
10 28	23 39.90	−15 43.5	1.945	2.722	15.5	21.5

360109 2013 CD_{15} 9 23.1 256.°77 4.°9/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.97	−10 43.9	2.031	2.909	11.9	20.5
8 29	0 17.87	−12 10.2	1.961	2.900	8.9	20.3
9 8	0 11.97	−13 40.0	1.916	2.891	6.2	20.1
9 18	0 4.81	−15 5.7	1.897	2.882	4.9	20.0
9 28	23 57.18	−16 19.4	1.906	2.872	6.5	20.1
10 8	23 49.98	−17 14.8	1.942	2.862	9.5	20.3
10 18	23 44.00	−17 48.3	2.002	2.852	12.5	20.4
10 28	23 39.89	−17 58.9	2.083	2.842	15.1	20.6

106687 2000 WQ_{157} 9 23.1 236.°47 8.°2/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.48	−21 47.9	1.983	2.852	12.5	19.6
8 29	0 22.08	−23 7.3	1.923	2.843	10.2	19.4
9 8	0 14.60	−24 19.9	1.887	2.833	8.6	19.3
9 18	0 5.70	−25 17.4	1.876	2.823	8.3	19.3
9 28	23 56.34	−25 52.5	1.891	2.813	9.8	19.4
10 8	23 47.55	−26 1.2	1.931	2.803	12.0	19.5
10 18	23 40.26	−25 43.2	1.993	2.792	14.5	19.6
10 28	23 35.12	−25 0.4	2.074	2.781	16.7	19.8

373765 2002 TW_{246} 9 23.1 3.°51 0.°3/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.60	+ 2 8.9	0.962	1.862	20.0	20.1
8 29	0 16.71	+ 1 46.6	0.909	1.859	15.1	19.8
9 8	0 11.85	+ 1 3.9	0.874	1.859	9.4	19.5
9 18	0 4.86	+ 0 7.1	0.858	1.860	3.2	19.1
9 28	23 57.16	− 0 53.7	0.864	1.864	3.3	19.2
10 8	23 50.36	− 1 47.2	0.892	1.869	9.4	19.5
10 18	23 45.78	− 2 24.4	0.941	1.875	14.9	19.9
10 28	23 44.27	− 2 39.6	1.007	1.884	19.6	20.2

72631 2001 FW_{30} 9 23.1 113.°16 1.°8/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.67	− 4 36.3	2.382	3.239	11.1	19.2
8 29	0 19.48	− 4 58.0	2.314	3.244	8.2	19.1
9 8	0 12.76	− 5 24.1	2.271	3.250	5.0	18.9
9 18	0 5.03	− 5 51.1	2.255	3.255	2.1	18.7
9 28	23 57.00	− 6 14.7	2.268	3.260	3.0	18.8
10 8	23 49.42	− 6 31.2	2.310	3.265	6.1	19.0
10 18	23 42.96	− 6 38.0	2.379	3.270	9.2	19.2
10 28	23 38.16	− 6 33.3	2.472	3.274	11.8	19.4

177795 2005 LH_{27} 9 23.1 202°.00 2°.6/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 25.94	− 2 45.8	1.754	2.619	14.1	21.4
8 29	0 21.06	− 3 53.1	1.681	2.616	10.4	21.2
9 8	0 14.04	− 5 11.1	1.631	2.612	6.4	20.9
9 18	0 5.54	− 6 33.1	1.608	2.608	2.8	20.7
9 28	23 56.49	− 7 50.7	1.613	2.603	4.3	20.8
10 8	23 47.98	− 8 56.0	1.645	2.597	8.4	21.0
10 18	23 40.96	− 9 43.3	1.702	2.591	12.3	21.3
10 28	23 36.14	−10 9.6	1.782	2.584	15.7	21.5

251831 1999 TS_{202} 9 23.1 336°.80 0°.1/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.66	+ 1 5.6	1.956	2.810	13.3	20.2
8 29	0 19.16	+ 0 54.5	1.879	2.805	10.0	20.0
9 8	0 12.77	+ 0 33.6	1.824	2.801	6.3	19.7
9 18	0 5.09	+ 0 5.8	1.795	2.797	2.1	19.5
9 28	23 56.92	− 0 24.4	1.794	2.793	2.1	19.4
10 8	23 49.21	− 0 51.8	1.821	2.789	6.3	19.7
10 18	23 42.79	− 1 12.0	1.874	2.786	10.1	19.9
10 28	23 38.30	− 1 21.5	1.950	2.783	13.3	20.1

451390 2011 CQ_{60} 9 23.1 284°.32 0°.9/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.91	+ 5 0.1	2.347	3.182	12.0	22.4
8 29	0 17.68	+ 4 43.0	2.249	3.163	9.2	22.2
9 8	0 11.81	+ 4 14.0	2.175	3.145	6.0	21.9
9 18	0 4.76	+ 3 35.4	2.127	3.126	2.5	21.7
9 28	23 57.21	+ 2 51.0	2.108	3.107	1.7	21.6
10 8	23 49.91	+ 2 5.5	2.117	3.088	5.3	21.8
10 18	23 43.62	+ 1 23.9	2.154	3.069	8.8	22.0
10 28	23 38.95	+ 0 50.6	2.215	3.049	11.9	22.2

174976 2004 DA_{46} 9 23.1 66°.78 3°.0/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.95	+10 48.2	1.388	2.225	18.6	19.4
8 29	0 21.25	+10 23.0	1.338	2.248	14.5	19.2
9 8	0 14.16	+ 9 34.0	1.309	2.271	9.9	19.0
9 18	0 5.54	+ 8 25.0	1.302	2.295	5.1	18.8
9 28	23 56.58	+ 7 3.4	1.321	2.318	3.2	18.7
10 8	23 48.54	+ 5 39.3	1.366	2.341	7.0	19.0
10 18	23 42.40	+ 4 22.0	1.436	2.364	11.3	19.4
10 28	23 38.82	+ 3 19.0	1.528	2.387	15.0	19.6

244886 2003 VK_{11} 9 23.1 357°.18 8°.5/ 1.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 14.42	+21 1.6	1.191	2.011	22.1	19.4
8 29	0 13.36	+21 22.4	1.121	2.004	18.8	19.1
9 8	0 9.71	+21 6.8	1.067	1.999	15.0	18.9
9 18	0 4.14	+20 12.5	1.031	1.996	11.2	18.7
9 28	23 57.81	+18 42.1	1.016	1.995	8.7	18.5
10 8	23 52.12	+16 45.9	1.023	1.995	9.3	18.6
10 18	23 48.28	+14 38.1	1.053	1.998	12.5	18.8
10 28	23 47.19	+12 34.4	1.104	2.002	16.4	19.0

364519 2007 EE_{151} 9 23.1 115°.81 1°.7/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.43	− 2 19.6	2.235	3.096	11.6	21.4
8 29	0 17.22	− 3 7.9	2.165	3.098	8.6	21.2
9 8	0 11.45	− 4 3.8	2.119	3.099	5.2	21.0
9 18	0 4.62	− 5 2.8	2.100	3.101	2.1	20.8
9 28	23 57.45	− 5 59.2	2.110	3.102	3.1	20.9
10 8	23 50.70	− 6 47.7	2.148	3.104	6.4	21.1
10 18	23 45.05	− 7 24.2	2.212	3.105	9.7	21.3
10 28	23 41.06	− 7 46.1	2.300	3.106	12.5	21.5

19408 1998 FM_{11} 9 23.1 20°.77 6°.9/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.02	−16 40.9	1.763	2.646	13.1	17.9
8 29	0 19.51	−17 48.1	1.714	2.650	10.2	17.7
9 8	0 12.99	−18 51.3	1.689	2.655	7.8	17.6
9 18	0 5.15	−19 42.5	1.688	2.659	6.9	17.6
9 28	23 56.97	−20 14.8	1.712	2.664	8.4	17.7
10 8	23 49.48	−20 23.9	1.762	2.670	11.0	17.9
10 18	23 43.51	−20 9.0	1.834	2.676	13.8	18.0
10 28	23 39.70	−19 31.8	1.926	2.682	16.3	18.2

331325 2011 YK_{30} 9 23.1 69°.15 4°.9/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.93	+15 54.4	2.133	2.918	14.7	20.5
8 29	0 20.00	+16 18.3	2.060	2.928	12.1	20.3
9 8	0 13.25	+16 24.0	2.007	2.937	9.1	20.2
9 18	0 5.26	+16 11.3	1.979	2.947	6.3	20.0
9 28	23 56.85	+15 42.0	1.977	2.957	4.9	20.0
10 8	23 48.91	+15 0.7	2.003	2.967	6.2	20.0
10 18	23 42.25	+14 12.9	2.056	2.977	8.8	20.2
10 28	23 37.48	+13 25.2	2.134	2.988	11.6	20.4

95529 2002 EZ_{73} 9 23.1 206°.69 0°.4/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.95	+ 4 1.0	2.459	3.296	11.5	20.4
8 29	0 17.53	+ 3 31.7	2.377	3.293	8.7	20.3
9 8	0 11.62	+ 2 51.6	2.318	3.289	5.5	20.1
9 18	0 4.69	+ 2 3.4	2.286	3.286	2.1	19.8
9 28	23 57.39	+ 1 11.4	2.283	3.282	1.6	19.8
10 8	23 50.43	+ 0 20.6	2.310	3.279	5.1	20.0
10 18	23 44.48	− 0 24.5	2.364	3.274	8.4	20.2
10 28	23 40.06	− 1 0.1	2.444	3.270	11.2	20.4

443506 2014 JD_{41} 9 23.1 232°.81 1°.6/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 22.03	+ 7 46.3	1.994	2.827	13.9	21.5
8 29	0 17.92	+ 7 17.1	1.915	2.826	10.8	21.2
9 8	0 12.01	+ 6 31.7	1.859	2.825	7.1	21.0
9 18	0 4.85	+ 5 32.9	1.828	2.824	3.3	20.8
9 28	23 57.24	+ 4 25.8	1.825	2.823	2.1	20.7
10 8	23 50.08	+ 3 17.1	1.849	2.822	5.7	20.9
10 18	23 44.15	+ 2 13.4	1.901	2.821	9.5	21.2
10 28	23 40.10	+ 1 20.4	1.977	2.820	12.8	21.4

186969 2004 RN_{161} 9 23.1 29°.73 0°.9/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.60	+ 0 25.8	1.595	2.465	15.0	19.8
8 29	0 17.77	− 0 10.7	1.544	2.480	11.1	19.6
9 8	0 11.94	− 0 58.9	1.514	2.495	6.8	19.4
9 18	0 4.81	− 1 53.3	1.509	2.511	2.2	19.1
9 28	23 57.35	− 2 47.0	1.531	2.528	2.8	19.2
10 8	23 50.59	− 3 33.1	1.579	2.546	7.2	19.5
10 18	23 45.37	− 4 6.5	1.652	2.564	11.2	19.8
10 28	23 42.29	− 4 23.8	1.747	2.583	14.5	20.1

128954 2004 TD_{134} 9 23.1 329°.07 5°.5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.29	−15 0.1	2.078	2.953	11.8	19.4
8 29	0 19.52	−15 50.1	2.015	2.949	9.1	19.2
9 8	0 12.94	−16 38.0	1.976	2.944	6.6	19.0
9 18	0 5.16	−17 17.7	1.962	2.940	5.5	19.0
9 28	23 57.00	−17 43.2	1.976	2.936	6.8	19.0
10 8	23 49.36	−17 50.7	2.016	2.932	9.4	19.2
10 18	23 43.02	−17 38.6	2.081	2.929	12.2	19.4
10 28	23 38.58	−17 7.6	2.167	2.925	14.6	19.5

211764 2004 BF_{47} 9 23.1 182°.73 1°.8/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.99	+ 7 35.5	2.020	2.850	13.9	20.6
8 29	0 19.37	+ 7 20.9	1.942	2.850	10.8	20.4
9 8	0 12.91	+ 6 51.2	1.885	2.850	7.2	20.2
9 18	0 5.18	+ 6 8.8	1.854	2.850	3.4	19.9
9 28	23 56.99	+ 5 17.9	1.851	2.849	2.2	19.9
10 8	23 49.24	+ 4 24.3	1.876	2.849	5.7	20.1
10 18	23 42.76	+ 3 34.1	1.929	2.848	9.4	20.3
10 28	23 38.19	+ 2 52.4	2.005	2.848	12.6	20.5

220395 2003 QJ_{109} 9 23.1 52°.37 7°.2/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.32	+21 53.7	2.092	2.840	16.1	19.3
8 29	0 21.14	+22 42.9	2.024	2.856	13.7	19.2
9 8	0 14.01	+23 10.7	1.976	2.872	11.1	19.1
9 18	0 5.56	+23 15.1	1.951	2.889	8.7	18.9
9 28	23 56.65	+22 56.9	1.951	2.906	7.3	18.9
10 8	23 48.26	+22 19.8	1.977	2.923	7.7	19.0
10 18	23 41.26	+21 29.9	2.029	2.940	9.5	19.1
10 28	23 36.29	+20 34.6	2.106	2.957	11.8	19.3

216581 2002 GX_{82} 9 23.1 288°.19 5°.3/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.82	− 9 19.7	1.355	2.241	16.1	20.0
8 29	0 23.04	−10 16.4	1.291	2.235	12.1	19.7
9 8	0 15.56	−11 17.7	1.249	2.229	8.0	19.5
9 18	0 6.15	−12 14.6	1.231	2.223	5.3	19.3
9 28	23 56.09	−12 57.6	1.237	2.218	7.1	19.4
10 8	23 46.77	−13 19.3	1.268	2.212	11.2	19.6
10 18	23 39.42	−13 16.5	1.322	2.207	15.4	19.9
10 28	23 34.88	−12 49.2	1.395	2.201	19.1	20.1

237106 2008 TX_{102} 9 23.1 302°.43 0°.1/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.38	+ 3 4.5	1.617	2.476	15.4	21.5
8 29	0 19.37	+ 2 32.6	1.540	2.469	11.7	21.2
9 8	0 13.13	+ 1 45.2	1.484	2.461	7.3	20.9
9 18	0 5.31	+ 0 46.6	1.453	2.454	2.6	20.6
9 28	23 56.87	− 0 16.5	1.448	2.447	2.4	20.6
10 8	23 48.93	− 1 16.3	1.470	2.440	7.2	20.9
10 18	23 42.52	− 2 5.6	1.517	2.433	11.7	21.1
10 28	23 38.39	− 2 39.3	1.586	2.427	15.5	21.4

359549 2010 SO_{22} 9 23.1 97°.75 0°.4/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.65	+ 1 35.0	2.104	2.955	12.6	21.4
8 29	0 18.20	+ 0 57.7	2.036	2.962	9.4	21.2
9 8	0 12.09	+ 0 9.8	1.992	2.969	5.8	21.0
9 18	0 4.87	− 0 44.6	1.974	2.976	1.9	20.8
9 28	23 57.31	− 1 40.2	1.985	2.983	2.2	20.8
10 8	23 50.24	− 2 31.1	2.024	2.990	6.0	21.1
10 18	23 44.36	− 3 12.7	2.090	2.996	9.5	21.3
10 28	23 40.26	− 3 41.4	2.180	3.003	12.5	21.5

59617 1999 JM_{70} 9 23.1 57°.27 0°.1/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.58	+ 4 12.4	1.467	2.328	16.5	19.1
8 29	0 19.44	+ 3 25.4	1.413	2.343	12.4	18.8
9 8	0 13.07	+ 2 21.3	1.381	2.358	7.8	18.6
9 18	0 5.23	+ 1 5.8	1.372	2.374	2.7	18.4
9 28	23 57.02	− 0 12.8	1.390	2.389	2.4	18.4
10 8	23 49.58	− 1 25.3	1.435	2.405	7.3	18.7
10 18	23 43.85	− 2 24.5	1.504	2.421	11.7	19.0
10 28	23 40.48	− 3 5.4	1.595	2.438	15.3	19.3

511668 2015 BZ_{344} 9 23.1 297°.22 2°.7/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 24.01	− 2 6.1	1.301	2.185	16.8	20.8
8 29	0 20.42	− 3 1.6	1.225	2.169	12.6	20.5
9 8	0 14.09	− 4 12.1	1.169	2.153	7.8	20.2
9 18	0 5.72	− 5 30.3	1.136	2.138	3.2	19.8
9 28	23 56.47	− 6 45.7	1.129	2.122	4.9	19.9
10 8	23 47.77	− 7 47.8	1.145	2.107	10.1	20.2
10 18	23 40.91	− 8 29.0	1.185	2.092	15.0	20.4
10 28	23 36.87	− 8 45.0	1.243	2.077	19.3	20.6

294823 2008 CA_{136} 9 23.1 264°.76 0°.2/23.3 17

8 19	0 27.63	+ 2 19.9	1.521	2.378	16.2	21.6
8 29	0 22.79	+ 2 5.6	1.439	2.367	12.4	21.3
9 8	0 15.41	+ 1 37.0	1.378	2.355	7.9	21.0
9 18	0 6.14	+ 0 57.3	1.341	2.343	2.8	20.7
9 28	23 56.08	+ 0 12.8	1.331	2.330	2.5	20.6
10 8	23 46.52	− 0 29.4	1.347	2.318	7.7	20.9
10 18	23 38.65	− 1 2.4	1.388	2.305	12.5	21.2
10 28	23 33.37	− 1 21.1	1.451	2.292	16.7	21.4

80588 2000 AW_{132} 9 23.1 203°.36 1°.9/21.4 18

8 19	0 27.08	− 2 16.8	1.812	2.673	13.9	20.6
8 29	0 21.88	− 3 1.3	1.738	2.670	10.4	20.4
9 8	0 14.56	− 3 55.4	1.686	2.666	6.3	20.2
9 18	0 5.78	− 4 53.7	1.661	2.662	2.5	19.9
9 28	23 56.46	− 5 49.4	1.663	2.657	3.6	20.0
10 8	23 47.68	− 6 35.7	1.694	2.651	7.7	20.2
10 18	23 40.35	− 7 7.7	1.750	2.645	11.6	20.4
10 28	23 35.20	− 7 22.5	1.828	2.639	15.0	20.7

176709 2002 QJ_{56} 9 23.1 87°.01 1°.8/21.7 17

8 19	0 28.29	− 1 11.7	1.456	2.324	16.2	20.5
8 29	0 22.90	− 1 58.7	1.408	2.343	12.0	20.3
9 8	0 15.17	− 2 56.8	1.381	2.362	7.3	20.1
9 18	0 5.94	− 3 59.3	1.379	2.381	2.6	19.9
9 28	23 56.39	− 4 58.0	1.404	2.399	3.7	20.0
10 8	23 47.75	− 5 45.3	1.456	2.418	8.3	20.3
10 18	23 40.99	− 6 16.2	1.532	2.435	12.5	20.6
10 28	23 36.74	− 6 28.3	1.629	2.453	16.0	20.9

131617 2001 XX_{31} 9 23.1 192°.00 3°.0/25.6 17

8 19	0 28.16	+ 9 37.4	1.569	2.399	17.2	20.5
8 29	0 23.05	+ 9 31.6	1.492	2.398	13.5	20.3
9 8	0 15.49	+ 9 5.3	1.436	2.397	9.3	20.0
9 18	0 6.14	+ 8 20.2	1.403	2.396	4.9	19.7
9 28	23 56.12	+ 7 21.1	1.397	2.393	3.2	19.6
10 8	23 46.69	+ 6 15.9	1.417	2.391	7.0	19.9
10 18	23 38.97	+ 5 12.8	1.463	2.388	11.4	20.1
10 28	23 33.79	+ 4 19.7	1.532	2.384	15.4	20.4

211274 2002 RH_{102} 9 23.1 348°.85 6°.6/20.4 18

8 19	0 31.87	−15 24.4	1.156	2.049	17.9	18.4
8 29	0 26.59	−15 6.9	1.090	2.033	13.9	18.1
9 8	0 18.01	−14 40.9	1.043	2.020	9.7	17.9
9 18	0 7.06	−13 59.1	1.018	2.009	6.7	17.7
9 28	23 55.28	−12 56.3	1.017	1.999	7.9	17.7
10 8	23 44.46	−11 31.0	1.039	1.992	12.1	17.9
10 18	23 36.07	− 9 46.3	1.084	1.986	16.6	18.2
10 28	23 31.07	− 7 46.8	1.149	1.983	20.6	18.4

81538 2000 HL_{17} 9 23.1 5°.30 0°.3/23.4 18

8 19	0 21.08	+ 4 30.3	1.738	2.592	14.7	19.3
8 29	0 17.43	+ 3 46.6	1.666	2.592	11.1	19.1
9 8	0 11.81	+ 2 46.9	1.617	2.593	7.0	18.8
9 18	0 4.84	+ 1 35.6	1.592	2.593	2.5	18.6
9 28	23 57.39	+ 0 19.6	1.595	2.594	2.1	18.5
10 8	23 50.47	− 0 53.1	1.625	2.595	6.6	18.8
10 18	23 44.92	− 1 55.4	1.680	2.597	10.7	19.1
10 28	23 41.43	− 2 42.2	1.758	2.599	14.3	19.3

448339 2009 FQ_{31} 9 23.1 162°.70 6°.0/25.7 15

8 19	0 44.85	+ 9 2.6	1.227	2.050	21.4	21.0
8 29	0 36.47	+10 32.9	1.157	2.055	17.3	20.8
9 8	0 24.31	+11 47.0	1.106	2.059	12.4	20.5
9 18	0 9.30	+12 40.3	1.078	2.062	7.7	20.3
9 28	23 53.13	+13 11.0	1.076	2.065	6.2	20.2
10 8	23 37.90	+13 22.0	1.101	2.067	9.7	20.4
10 18	23 25.40	+13 20.1	1.151	2.069	14.4	20.7
10 28	23 16.78	+13 14.6	1.222	2.070	18.8	21.0

275838 2001 RC_{142} 9 23.1 286°.74 16°.5/ 9.5 15

8 19	0 24.04	+36 31.6	1.233	1.941	27.0	20.2
8 29	0 21.33	+37 49.4	1.158	1.934	24.9	20.0
9 8	0 15.17	+38 24.8	1.092	1.927	22.4	19.8
9 18	0 6.23	+38 7.2	1.041	1.920	19.8	19.6
9 28	23 55.98	+36 50.0	1.005	1.913	17.6	19.4
10 8	23 46.37	+34 36.0	0.988	1.906	16.5	19.4
10 18	23 39.20	+31 37.6	0.991	1.899	17.1	19.4
10 28	23 35.73	+28 15.8	1.014	1.893	19.2	19.5

444219 2005 TW_{120} 9 23.1 334°.86 1°.0/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 22.69	− 0 40.5	1.834	2.698	13.6	21.4
8 29	0 18.57	− 1 7.7	1.759	2.692	10.2	21.1
9 8	0 12.51	− 1 44.9	1.706	2.686	6.3	20.9
9 18	0 5.09	− 2 27.7	1.679	2.681	2.1	20.6
9 28	23 57.16	− 3 10.6	1.679	2.676	2.8	20.7
10 8	23 49.71	− 3 47.4	1.706	2.671	7.0	20.9
10 18	23 43.60	− 4 13.3	1.759	2.667	10.9	21.1
10 28	23 39.50	− 4 25.1	1.834	2.663	14.2	21.3

405774 2005 YF_{275} 9 23.1 200°.36 5°.4/29.9 17

8 19	0 24.39	+20 24.4	2.769	3.509	12.7	21.1
8 29	0 19.36	+20 49.8	2.675	3.507	10.7	20.9
9 8	0 12.81	+20 58.8	2.603	3.504	8.6	20.8
9 18	0 5.16	+20 50.4	2.555	3.501	6.5	20.7
9 28	23 57.08	+20 25.6	2.535	3.497	5.4	20.6
10 8	23 49.26	+19 47.1	2.543	3.493	5.9	20.6
10 18	23 42.41	+18 59.4	2.578	3.489	7.7	20.7
10 28	23 37.08	+18 7.8	2.640	3.485	9.9	20.9

426641 2013 SA_{72} 9 23.1 56°.45 3°.5/20.1 17

8 19	0 23.98	− 3 0.3	1.254	2.142	17.1	20.3
8 29	0 20.04	− 4 24.0	1.208	2.155	12.6	20.1
9 8	0 13.57	− 5 59.6	1.183	2.168	7.6	19.9
9 18	0 5.44	− 7 37.0	1.182	2.182	3.7	19.7
9 28	23 56.90	− 9 4.5	1.206	2.195	5.6	19.9
10 8	23 49.28	−10 12.2	1.255	2.210	10.1	20.2
10 18	23 43.62	−10 54.7	1.326	2.224	14.4	20.5
10 28	23 40.60	−11 10.3	1.417	2.238	18.1	20.7

284927 2010 CU_{153} 9 23.1 132°.45 2°.7/20.2 18

8 19	0 23.16	− 3 24.0	1.915	2.782	13.0	20.9
8 29	0 18.75	− 4 39.4	1.853	2.789	9.5	20.7
9 8	0 12.51	− 6 3.5	1.815	2.796	5.8	20.5
9 18	0 5.05	− 7 29.4	1.804	2.802	2.8	20.3
9 28	23 57.23	− 8 49.5	1.821	2.809	4.3	20.4
10 8	23 49.95	− 9 56.7	1.866	2.815	7.8	20.7
10 18	23 44.00	−10 46.1	1.936	2.820	11.3	20.9
10 28	23 39.98	−11 15.3	2.029	2.826	14.3	21.1

253468 2003 SB_{33} 9 23.1 334°.66 2°.3/21.5 18

8 19	0 20.48	− 1 22.2	1.046	1.946	18.7	19.7
8 29	0 18.21	− 2 1.3	0.978	1.930	14.1	19.4
9 8	0 12.94	− 2 57.4	0.928	1.915	8.7	19.0
9 18	0 5.38	− 4 3.0	0.899	1.901	3.2	18.7
9 28	23 56.86	− 5 7.4	0.893	1.889	4.7	18.7
10 8	23 49.02	− 5 58.8	0.908	1.878	10.6	19.0
10 18	23 43.30	− 6 29.0	0.945	1.868	16.2	19.3
10 28	23 40.73	− 6 33.2	0.998	1.860	20.9	19.6

444741 2007 HU_{88} 9 23.1 319°.80 10°.9/12.7 18

8 19	0 34.57	−33 38.8	2.094	2.925	13.4	20.3
8 29	0 27.31	−34 24.8	2.042	2.915	11.9	20.2
9 8	0 17.79	−34 53.6	2.011	2.905	11.0	20.1
9 18	0 6.85	−34 57.8	2.005	2.896	11.1	20.1
9 28	23 55.60	−34 32.2	2.023	2.887	12.0	20.2
10 8	23 45.24	−33 36.1	2.064	2.878	13.6	20.3
10 18	23 36.70	−32 12.2	2.126	2.870	15.4	20.4
10 28	23 30.63	−30 25.4	2.208	2.862	17.1	20.5

514010 2014 JB_{59} 9 23.1 235°.37 6°.1/15.7 18

8 19	0 25.13	−16 9.4	2.206	3.077	11.3	22.4
8 29	0 20.19	−17 31.5	2.135	3.064	8.9	22.2
9 8	0 13.43	−18 52.6	2.089	3.051	6.8	22.0
9 18	0 5.40	−20 5.2	2.069	3.037	6.2	22.0
9 28	23 56.88	−21 2.2	2.078	3.022	7.6	22.0
10 8	23 48.77	−21 38.6	2.112	3.007	10.1	22.2
10 18	23 41.88	−21 52.1	2.171	2.992	12.7	22.3
10 28	23 36.84	−21 42.8	2.250	2.975	15.1	22.5

447753 2007 HL_{81} 9 23.1 209°.91 4°.2/18.2 18

8 19	0 26.08	−13 49.8	2.661	3.522	10.0	21.8
8 29	0 20.49	−14 25.7	2.590	3.518	7.6	21.6
9 8	0 13.41	−15 0.3	2.544	3.512	5.3	21.5
9 18	0 5.35	−15 29.0	2.526	3.507	4.2	21.4
9 28	23 56.97	−15 47.6	2.537	3.501	5.2	21.5
10 8	23 48.99	−15 53.1	2.576	3.495	7.5	21.6
10 18	23 42.06	−15 43.9	2.642	3.489	9.9	21.8
10 28	23 36.70	−15 20.0	2.732	3.482	12.1	21.9

178813 2001 FJ_{89} 9 23.1 236°.22 0°.7/22.6 18

8 19	0 26.80	+ 0 59.8	1.554	2.416	15.7	21.2
8 29	0 22.02	+ 0 29.1	1.480	2.411	11.9	21.0
9 8	0 14.84	− 0 15.2	1.427	2.406	7.4	20.7
9 18	0 5.94	− 1 8.5	1.399	2.401	2.5	20.4
9 28	23 56.40	− 2 3.6	1.397	2.395	2.9	20.4
10 8	23 47.43	− 2 52.9	1.422	2.389	7.8	20.7
10 18	23 40.14	− 3 30.0	1.472	2.383	12.3	21.0
10 28	23 35.31	− 3 50.5	1.544	2.377	16.2	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
233423 2006 HW_7			9 23.1 139°.54	6°.4/16.1 18		
	h m	° ′			°	m
8 19	0 28.25	−18 28.7	2.209	3.074	11.6	21.1
8 29	0 22.27	−19 36.6	2.163	3.086	9.1	20.9
9 8	0 14.55	−20 39.3	2.141	3.097	7.1	20.8
9 18	0 5.74	−21 30.1	2.147	3.108	6.5	20.8
9 28	23 56.67	−22 3.3	2.180	3.119	7.7	20.9
10 8	23 48.25	−22 15.7	2.240	3.129	9.9	21.1
10 18	23 41.19	−22 6.8	2.323	3.138	12.2	21.2
10 28	23 36.06	−21 38.0	2.428	3.147	14.3	21.4
346980 2010 CA_{82}			9 23.1 295°.06	0°.8/23.7 18		
8 19	0 29.22	+ 2 11.8	1.709	2.558	15.2	20.3
8 29	0 23.65	+ 2 23.7	1.632	2.554	11.6	20.1
9 8	0 15.78	+ 2 24.9	1.576	2.550	7.4	19.9
9 18	0 6.26	+ 2 17.3	1.546	2.546	2.9	19.6
9 28	23 56.13	+ 2 5.0	1.543	2.542	2.2	19.5
10 8	23 46.53	+ 1 52.5	1.568	2.538	6.8	19.8
10 18	23 38.53	+ 1 44.6	1.618	2.535	11.1	20.1
10 28	23 32.89	+ 1 45.2	1.692	2.531	14.8	20.3
293007 2006 WD_{35}			9 23.1 217°.65	1°.6/21.7 17		
8 19	0 24.83	− 0 3.7	1.569	2.436	15.3	21.6
8 29	0 20.47	− 0 58.2	1.499	2.434	11.5	21.3
9 8	0 13.83	− 2 6.4	1.451	2.432	7.0	21.1
9 18	0 5.59	− 3 22.1	1.428	2.430	2.5	20.8
9 28	23 56.78	− 4 36.9	1.432	2.427	3.5	20.8
10 8	23 48.56	− 5 42.1	1.462	2.424	8.2	21.1
10 18	23 41.96	− 6 31.1	1.517	2.421	12.5	21.4
10 28	23 37.72	− 7 0.0	1.593	2.419	16.2	21.6
34158 Rachelchang			9 23.1 83°.47	0°.3/23.5 18		
8 19	0 23.01	+ 3 34.3	2.030	2.875	13.2	19.6
8 29	0 18.55	+ 3 4.2	1.962	2.883	10.0	19.4
9 8	0 12.37	+ 2 22.0	1.917	2.891	6.3	19.2
9 18	0 5.03	+ 1 31.1	1.898	2.899	2.3	19.0
9 28	23 57.33	+ 0 36.9	1.908	2.907	1.9	18.9
10 8	23 50.14	− 0 14.7	1.945	2.915	5.8	19.2
10 18	23 44.20	− 0 58.7	2.010	2.922	9.5	19.5
10 28	23 40.08	− 1 30.8	2.098	2.930	12.6	19.7
254369 2004 TD_{116}			9 23.1 235°.94	4°.7/28.8 18		
8 19	0 22.93	+17 14.9	2.419	3.191	13.5	20.4
8 29	0 18.46	+17 26.6	2.328	3.187	11.2	20.2
9 8	0 12.33	+17 20.8	2.258	3.182	8.6	20.1
9 18	0 5.04	+16 57.2	2.213	3.177	6.1	19.9
9 28	23 57.28	+16 17.6	2.195	3.173	4.8	19.8
10 8	23 49.84	+15 26.0	2.205	3.168	5.8	19.9
10 18	23 43.46	+14 27.8	2.242	3.163	8.2	20.0
10 28	23 38.73	+13 29.1	2.305	3.157	10.8	20.2
243458 Bubulina			9 23.1 1°.45	0°.6/23.8 18		
8 19	0 5.65	+10 4.4	0.830	1.733	22.0	18.6
8 29	0 7.24	+ 8 23.6	0.777	1.727	17.0	18.2
9 8	0 6.12	+ 5 59.3	0.740	1.725	10.9	17.9
9 18	0 3.01	+ 3 2.1	0.723	1.725	4.1	17.6
9 28	23 59.22	− 0 7.9	0.727	1.728	3.1	17.5
10 8	23 56.21	− 3 6.0	0.753	1.733	9.8	17.9
10 18	23 55.16	− 5 32.4	0.799	1.741	15.8	18.3
10 28	23 56.87	− 7 15.6	0.864	1.752	20.8	18.6
448701 2010 XW_{35}			9 23.1 43°.96	5°.6/17.0 18		
8 19	0 23.43	−14 51.6	2.094	2.970	11.7	20.6
8 29	0 18.83	−15 53.1	2.040	2.974	8.9	20.4
9 8	0 12.51	−16 52.6	2.010	2.979	6.5	20.3
9 18	0 5.07	−17 43.6	2.007	2.983	5.6	20.2
9 28	23 57.32	−18 19.9	2.030	2.987	6.9	20.3
10 8	23 50.11	−18 37.8	2.080	2.992	9.4	20.5
10 18	23 44.18	−18 35.5	2.154	2.997	12.0	20.7
10 28	23 40.10	−18 13.7	2.249	3.002	14.3	20.9
327178 2005 KD_8			9 23.1 138°.88	0°.6/22.6 17		
8 19	0 26.84	+ 2 0.7	1.681	2.535	15.1	21.1
8 29	0 21.73	+ 1 15.1	1.616	2.544	11.3	20.9
9 8	0 14.48	+ 0 15.6	1.575	2.552	7.0	20.6
9 18	0 5.78	− 0 52.3	1.558	2.560	2.3	20.4
9 28	23 56.65	− 2 1.5	1.570	2.567	2.6	20.4
10 8	23 48.17	− 3 4.2	1.608	2.574	7.2	20.7
10 18	23 41.29	− 3 54.1	1.673	2.581	11.4	21.0
10 28	23 36.68	− 4 27.1	1.760	2.587	14.9	21.2
193347 2000 UL_{19}			9 23.1 277°.48	8°.2/ 2.9 18		
8 19	0 23.60	+28 16.1	2.074	2.784	17.3	20.2
8 29	0 19.58	+28 5.0	1.953	2.754	15.2	20.0
9 8	0 13.39	+27 23.3	1.849	2.723	12.8	19.8
9 18	0 5.51	+26 7.5	1.766	2.692	10.3	19.5
9 28	23 56.79	+24 17.4	1.708	2.660	8.4	19.4
10 8	23 48.31	+21 58.2	1.677	2.627	8.5	19.3
10 18	23 41.09	+19 19.7	1.674	2.594	10.6	19.4
10 28	23 36.01	+16 34.9	1.698	2.560	13.6	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
487150 2014 OE_{221}			9 23.1 6°.71	5°.7/17.1 18		
	h m	° ′			°	m
8 19	0 23.14	−14 33.0	1.991	2.870	12.1	20.4
8 29	0 18.72	−15 33.5	1.934	2.870	9.2	20.2
9 8	0 12.50	−16 32.4	1.901	2.871	6.7	20.1
9 18	0 5.08	−17 22.8	1.894	2.872	5.7	20.0
9 28	23 57.31	−17 58.5	1.913	2.873	7.1	20.1
10 8	23 50.09	−18 15.0	1.959	2.874	9.7	20.3
10 18	23 44.19	−18 10.8	2.028	2.876	12.4	20.5
10 28	23 40.20	−17 46.4	2.118	2.878	14.9	20.7
3583 Burdett			9 23.2 310°.47	1°.3/22.2 18		
8 19	0 24.62	− 0 47.9	1.388	2.264	16.4	16.5
8 29	0 20.79	− 1 11.9	1.306	2.245	12.4	16.2
9 8	0 14.33	− 1 48.9	1.245	2.227	7.7	15.9
9 18	0 5.86	− 2 34.2	1.207	2.209	2.7	15.5
9 28	23 56.50	− 3 20.3	1.194	2.191	3.5	15.5
10 8	23 47.63	− 3 58.9	1.206	2.174	8.8	15.8
10 18	23 40.49	− 4 23.5	1.241	2.157	13.8	16.0
10 28	23 36.05	− 4 29.5	1.297	2.141	18.1	16.3
447286 2005 WA_2			9 23.2 313°.87	7°.7/15.2 18		
8 19	0 25.30	−20 30.1	1.958	2.832	12.4	21.0
8 29	0 20.48	−21 34.5	1.897	2.823	10.0	20.8
9 8	0 13.67	−22 32.7	1.860	2.813	8.2	20.7
9 18	0 5.51	−23 17.1	1.848	2.804	7.8	20.6
9 28	23 56.91	−23 41.1	1.861	2.795	9.1	20.7
10 8	23 48.87	−23 40.8	1.899	2.787	11.5	20.8
10 18	23 42.27	−23 15.8	1.960	2.778	14.0	21.0
10 28	23 37.76	−22 27.9	2.040	2.770	16.3	21.1
131109 2001 AA_{33}			9 23.2 308°.91	1°.9/21.7 18		
8 19	0 24.81	− 2 31.8	1.529	2.403	15.3	19.7
8 29	0 20.69	− 2 59.0	1.447	2.385	11.5	19.4
9 8	0 14.13	− 3 36.5	1.386	2.368	7.1	19.1
9 18	0 5.76	− 4 19.3	1.349	2.351	2.7	18.8
9 28	23 56.62	− 5 0.2	1.339	2.334	3.8	18.8
10 8	23 47.94	− 5 32.2	1.354	2.318	8.6	19.1
10 18	23 40.86	− 5 49.6	1.394	2.302	13.1	19.3
10 28	23 36.27	− 5 49.0	1.454	2.286	17.1	19.5
449804 2014 OO_{306}			9 23.2 316°.64	4°.7/17.6 17		
8 19	0 20.43	−10 24.1	2.049	2.929	11.7	21.4
8 29	0 16.74	−11 42.2	1.980	2.921	8.8	21.2
9 8	0 11.32	−13 3.5	1.936	2.913	6.0	21.0
9 18	0 4.71	−14 20.9	1.919	2.905	4.7	20.9
9 28	23 57.67	−15 27.2	1.929	2.898	6.2	21.0
10 8	23 51.05	−16 16.3	1.966	2.891	9.1	21.2
10 18	23 45.61	−16 44.9	2.027	2.884	12.1	21.4
10 28	23 41.97	−16 51.9	2.109	2.877	14.7	21.5
155561 1999 VL_{161}			9 23.2 52°.00	5°.7/17.5 18		
8 19	0 26.43	−16 11.1	2.123	2.994	11.8	19.4
8 29	0 21.03	−16 54.3	2.067	2.997	9.1	19.3
9 8	0 13.86	−17 33.8	2.036	3.001	6.7	19.1
9 18	0 5.54	−18 3.9	2.030	3.005	5.7	19.1
9 28	23 56.93	−18 19.3	2.052	3.009	6.9	19.2
10 8	23 48.91	−18 16.7	2.100	3.013	9.3	19.3
10 18	23 42.24	−17 55.5	2.173	3.017	11.9	19.5
10 28	23 37.48	−17 16.6	2.268	3.021	14.2	19.7
195803 2002 QC_{11}			9 23.2 121°.17	7°.0/ 3.8 18		
8 19	0 27.29	+28 59.6	3.068	3.732	13.0	21.1
8 29	0 21.41	+29 41.0	2.990	3.749	11.4	21.0
9 8	0 14.03	+30 4.0	2.932	3.766	9.7	20.9
9 18	0 5.62	+30 6.8	2.897	3.783	8.2	20.8
9 28	23 56.83	+29 49.5	2.887	3.799	7.2	20.7
10 8	23 48.40	+29 14.4	2.905	3.815	7.1	20.7
10 18	23 40.99	+28 25.5	2.950	3.830	7.9	20.8
10 28	23 35.12	+27 28.3	3.020	3.845	9.3	20.9
79714 1998 SY_{106}			9 23.2 280°.02	0°.9/22.5 18		
8 19	0 28.19	− 0 39.1	1.530	2.395	15.8	18.7
8 29	0 23.17	− 0 51.6	1.453	2.385	12.0	18.4
9 8	0 15.64	− 1 14.9	1.396	2.376	7.4	18.1
9 18	0 6.28	− 1 45.1	1.364	2.366	2.5	17.8
9 28	23 56.19	− 2 16.1	1.359	2.357	3.0	17.8
10 8	23 46.65	− 2 41.4	1.380	2.347	8.0	18.1
10 18	23 38.82	− 2 55.7	1.426	2.338	12.6	18.4
10 28	23 33.57	− 2 55.4	1.493	2.328	16.6	18.6
24912 1997 EB_1			9 23.2 87°.88	4°.3/26.9 18		
8 19	0 26.86	+12 43.3	1.514	2.336	18.1	18.9
8 29	0 22.07	+12 48.7	1.449	2.346	14.5	18.7
9 8	0 14.85	+12 31.1	1.403	2.355	10.4	18.5
9 18	0 5.97	+11 51.4	1.379	2.365	6.3	18.3
9 28	23 56.53	+10 54.1	1.382	2.374	4.4	18.2
10 8	23 47.81	+ 9 46.9	1.410	2.383	7.1	18.4
10 18	23 40.86	+ 8 38.8	1.464	2.393	11.0	18.6
10 28	23 36.45	+ 7 38.3	1.540	2.402	14.8	18.9

275137 2009 VP_{72} 9 23.2 330.°63 3.°6/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.17	−14 32.6	3.440	4.310	7.7	19.3
8 29	0 13.67	−15 15.9	3.365	4.296	5.9	19.2
9 8	0 9.14	−15 58.3	3.316	4.284	4.3	19.0
9 18	0 3.92	−16 36.1	3.295	4.271	3.6	19.0
9 28	23 58.45	−17 6.0	3.302	4.259	4.6	19.0
10 8	23 53.22	−17 25.2	3.337	4.247	6.3	19.1
10 18	23 48.66	−17 32.1	3.398	4.235	8.2	19.3
10 28	23 45.17	−17 26.1	3.482	4.223	9.9	19.4

186729 2004 CE_{4} 9 23.2 228.°07 1.°1/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.86	+ 0 14.2	1.787	2.643	14.3	21.7
8 29	0 21.86	− 0 26.3	1.705	2.634	10.7	21.4
9 8	0 14.68	− 1 19.1	1.646	2.624	6.6	21.2
9 18	0 5.93	− 2 19.5	1.612	2.614	2.2	20.9
9 28	23 56.56	− 3 20.7	1.606	2.603	2.9	20.9
10 8	23 47.65	− 4 15.4	1.628	2.591	7.4	21.2
10 18	23 40.18	− 4 57.8	1.676	2.579	11.6	21.4
10 28	23 34.91	− 5 23.7	1.746	2.566	15.2	21.6

224774 2006 FA_{49} 9 23.2 261.°50 7.°6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.68	−24 53.7	2.427	3.282	11.0	19.7
8 29	0 21.89	−25 44.6	2.369	3.275	9.2	19.6
9 8	0 14.38	−26 26.6	2.334	3.268	7.8	19.5
9 18	0 5.75	−26 53.8	2.326	3.261	7.7	19.4
9 28	23 56.79	−27 1.2	2.344	3.254	8.7	19.5
10 8	23 48.38	−26 46.7	2.388	3.247	10.5	19.6
10 18	23 41.25	−26 10.3	2.455	3.240	12.5	19.7
10 28	23 35.96	−25 14.3	2.543	3.233	14.3	19.9

432798 2011 GT_{2} 9 23.2 94.°98 4.°8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.64	− 9 19.2	1.615	2.495	14.3	20.8
8 29	0 21.61	−10 25.4	1.564	2.505	10.7	20.6
9 8	0 14.41	−11 34.7	1.536	2.515	7.0	20.5
9 18	0 5.78	−12 39.0	1.533	2.524	4.8	20.4
9 28	23 56.79	−13 30.0	1.557	2.534	6.4	20.5
10 8	23 48.55	−14 1.9	1.607	2.544	9.8	20.7
10 18	23 41.99	−14 11.9	1.680	2.553	13.3	20.9
10 28	23 37.75	−14 0.1	1.774	2.562	16.3	21.2

451214 2009 WJ_{145} 9 23.2 355.°63 3.°6/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.13	− 9 10.0	1.949	2.821	12.6	20.9
8 29	0 20.25	− 9 34.9	1.882	2.819	9.4	20.7
9 8	0 13.49	−10 1.7	1.839	2.817	6.0	20.5
9 18	0 5.47	−10 25.3	1.822	2.816	3.6	20.4
9 28	23 57.05	−10 40.4	1.832	2.815	4.9	20.5
10 8	23 49.17	−10 43.0	1.869	2.815	8.1	20.7
10 18	23 42.64	−10 30.9	1.932	2.815	11.4	20.9
10 28	23 38.10	−10 3.7	2.016	2.815	14.2	21.1

59741 1999 LE_{9} 9 23.2 117.°77 7.°2/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.41	−16 42.6	1.788	2.667	13.2	18.9
8 29	0 21.30	−18 14.9	1.745	2.678	10.3	18.7
9 8	0 14.15	−19 43.2	1.725	2.688	7.9	18.6
9 18	0 5.68	−20 58.6	1.732	2.698	7.3	18.6
9 28	23 56.89	−21 53.1	1.764	2.708	8.8	18.7
10 8	23 48.82	−22 22.0	1.822	2.718	11.4	18.9
10 18	23 42.33	−22 24.6	1.902	2.727	14.1	19.1
10 28	23 38.03	−22 2.4	2.001	2.736	16.4	19.3

521855 2015 TX_{374} 9 23.2 182.°11 5.°3/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.11	−16 39.7	2.568	3.436	10.0	21.5
8 29	0 18.35	−17 39.4	2.509	3.437	7.8	21.3
9 8	0 12.14	−18 36.2	2.475	3.437	5.9	21.2
9 18	0 4.98	−19 24.9	2.468	3.437	5.3	21.2
9 28	23 57.52	−20 0.3	2.490	3.436	6.4	21.3
10 8	23 50.48	−20 19.2	2.538	3.436	8.5	21.4
10 18	23 44.50	−20 20.1	2.611	3.435	10.7	21.5
10 28	23 40.06	−20 3.3	2.706	3.434	12.7	21.7

155757 2000 SY_{132} 9 23.2 10.°04 5.°8/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.29	+18 53.0	1.506	2.309	19.0	19.7
8 29	0 17.29	+18 33.0	1.431	2.310	15.8	19.5
9 8	0 11.97	+17 42.0	1.374	2.311	12.0	19.2
9 18	0 5.02	+16 20.4	1.339	2.312	8.2	19.0
9 28	23 57.47	+14 33.2	1.328	2.314	5.8	18.9
10 8	23 50.52	+12 30.8	1.344	2.317	7.3	19.0
10 18	23 45.20	+10 25.4	1.384	2.320	11.0	19.2
10 28	23 42.28	+ 8 29.2	1.448	2.323	14.7	19.5

309051 2006 UW_{259} 9 23.2 121.°77 1.°1/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.01	− 0 58.1	2.010	2.868	12.8	21.6
8 29	0 19.37	− 1 30.8	1.939	2.869	9.6	21.4
9 8	0 12.94	− 2 12.4	1.892	2.871	5.9	21.1
9 18	0 5.29	− 2 58.6	1.871	2.872	2.0	20.9
9 28	23 57.23	− 3 44.0	1.878	2.874	2.7	20.9
10 8	23 49.66	− 4 23.0	1.913	2.875	6.6	21.2
10 18	23 43.36	− 4 51.4	1.974	2.877	10.2	21.4
10 28	23 38.94	− 5 6.1	2.059	2.878	13.3	21.6

142336 2002 RL_{190} 9 23.2 65.°53 1.°1/24.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.56	+ 5 36.3	1.310	2.168	18.3	20.3
8 29	0 22.58	+ 5 7.4	1.265	2.191	13.9	20.1
9 8	0 15.10	+ 4 19.3	1.239	2.214	8.9	19.9
9 18	0 6.02	+ 3 17.2	1.237	2.237	3.5	19.6
9 28	23 56.63	+ 2 9.3	1.260	2.260	2.4	19.6
10 8	23 48.22	+ 1 4.9	1.309	2.283	7.5	20.0
10 18	23 41.83	+ 0 11.7	1.383	2.306	12.1	20.3
10 28	23 38.12	− 0 24.9	1.478	2.328	15.9	20.6

403996 2012 BU_{130} 9 23.2 161.°77 7.°9/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.06	−23 35.2	2.341	3.210	10.9	20.7
8 29	0 17.81	−25 21.1	2.297	3.211	9.1	20.5
9 8	0 11.92	−26 59.4	2.278	3.212	8.0	20.5
9 18	0 4.93	−28 22.6	2.286	3.214	8.2	20.5
9 28	23 57.59	−29 24.2	2.319	3.215	9.5	20.6
10 8	23 50.73	−30 0.6	2.377	3.215	11.3	20.7
10 18	23 45.03	−30 11.2	2.457	3.216	13.2	20.9
10 28	23 41.07	−29 57.6	2.554	3.217	14.8	21.0

53502 2000 AG_{97} 9 23.2 118.°58 5.°2/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.69	− 9 25.1	1.597	2.479	14.4	18.3
8 29	0 20.98	−10 49.7	1.544	2.486	10.7	18.1
9 8	0 14.07	−12 18.1	1.515	2.493	7.1	17.9
9 18	0 5.70	−13 41.3	1.510	2.499	5.2	17.8
9 28	23 56.91	−14 49.9	1.533	2.506	7.0	17.9
10 8	23 48.83	−15 37.0	1.580	2.512	10.4	18.2
10 18	23 42.42	−15 59.4	1.652	2.518	13.9	18.4
10 28	23 38.33	−15 57.1	1.743	2.524	16.8	18.6

137414 1999 TB_{190} 9 23.2 290.°58 6.°6/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.91	+15 55.3	1.491	2.301	18.9	19.9
8 29	0 21.88	+16 30.3	1.397	2.281	15.7	19.7
9 8	0 15.14	+16 41.6	1.322	2.261	12.1	19.4
9 18	0 6.24	+16 26.4	1.268	2.241	8.5	19.2
9 28	23 56.26	+15 45.3	1.238	2.221	6.6	19.0
10 8	23 46.58	+14 43.9	1.233	2.202	8.5	19.1
10 18	23 38.56	+13 31.3	1.252	2.182	12.4	19.2
10 28	23 33.29	+12 18.5	1.292	2.162	16.5	19.4

520504 2014 LX_{30} 9 23.2 79.°43 3.°7/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.55	+13 48.9	2.220	3.018	13.8	21.0
8 29	0 18.20	+13 46.7	2.144	3.024	11.1	20.9
9 8	0 12.19	+13 27.1	2.089	3.031	8.1	20.7
9 18	0 5.04	+12 51.1	2.058	3.038	5.2	20.5
9 28	23 57.51	+12 1.7	2.056	3.045	3.7	20.4
10 8	23 50.41	+11 4.2	2.081	3.051	5.4	20.6
10 18	23 44.46	+10 4.4	2.134	3.058	8.3	20.8
10 28	23 40.25	+ 9 8.3	2.212	3.065	11.2	21.0

48226 2001 KK_{56} 9 23.2 210.°43 2.°5/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.64	+12 27.6	2.372	3.172	13.0	20.0
8 29	0 18.23	+11 49.8	2.279	3.166	10.3	19.9
9 8	0 12.21	+10 54.0	2.209	3.159	7.2	19.6
9 18	0 5.06	+ 9 42.3	2.165	3.152	4.1	19.4
9 28	23 57.48	+ 8 19.0	2.149	3.145	2.6	19.3
10 8	23 50.23	+ 6 50.2	2.164	3.136	5.1	19.5
10 18	23 44.03	+ 5 22.8	2.207	3.127	8.3	19.7
10 28	23 39.47	+ 4 3.2	2.276	3.118	11.4	19.9

140395 2001 TJ_{63} 9 23.2 327.°07 8.°5/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.55	−21 14.7	1.712	2.587	13.9	19.2
8 29	0 23.20	−22 5.9	1.651	2.576	11.3	19.0
9 8	0 15.51	−22 49.0	1.612	2.566	9.1	18.9
9 18	0 6.22	−23 15.7	1.598	2.557	8.5	18.8
9 28	23 56.45	−23 18.9	1.608	2.547	9.9	18.9
10 8	23 47.38	−22 55.3	1.643	2.539	12.4	19.0
10 18	23 40.02	−22 5.4	1.700	2.530	15.2	19.2
10 28	23 35.12	−20 52.2	1.776	2.523	17.8	19.4

449068 2012 FG_{37} 9 23.2 305.°17 3.°4/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.71	− 7 14.7	2.161	3.034	11.5	21.1
8 29	0 16.88	− 8 18.8	2.087	3.026	8.5	20.9
9 8	0 11.40	− 9 28.0	2.039	3.018	5.4	20.7
9 18	0 4.79	−10 36.5	2.017	3.011	3.4	20.5
9 28	23 57.76	−11 37.8	2.023	3.003	4.8	20.6
10 8	23 51.13	−12 26.1	2.056	2.995	7.9	20.8
10 18	23 45.60	−12 57.7	2.115	2.988	10.9	21.0
10 28	23 41.78	−13 10.8	2.196	2.981	13.7	21.2

473498 2015 XP_{122} 9 23.2 303.°01 3.°9/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.90	+16 38.3	2.280	3.067	13.8	21.6
8 29	0 15.57	+16 7.0	2.183	3.055	11.3	21.4
9 8	0 10.63	+15 14.5	2.107	3.043	8.4	21.2
9 18	0 4.54	+14 1.9	2.055	3.031	5.5	21.0
9 28	23 57.99	+12 33.0	2.032	3.020	3.9	20.9
10 8	23 51.76	+10 54.0	2.036	3.008	5.4	21.0
10 18	23 46.56	+ 9 12.6	2.069	2.997	8.4	21.1
10 28	23 43.00	+ 7 36.4	2.128	2.986	11.4	21.3

397022 2005 TB_{146} 9 23.2 65°.09 2°.4/20.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 23.45	− 4 14.9	1.934	2.802	12.8	21.3
8 29	0 18.91	− 5 3.8	1.879	2.816	9.4	21.1
9 8	0 12.61	− 5 59.0	1.848	2.829	5.8	21.0
9 18	0 5.18	− 6 55.0	1.843	2.843	2.7	20.8
9 28	23 57.46	− 7 45.5	1.866	2.856	3.9	20.9
10 8	23 50.32	− 8 25.0	1.917	2.870	7.3	21.1
10 18	23 44.52	− 8 49.9	1.993	2.884	10.7	21.4
10 28	23 40.62	− 8 58.4	2.092	2.897	13.6	21.6

138537 2000 OK_{67} 9 23.2 358°.43 0°.0/23.0 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 3.70	− 0 0.7	39.211	40.047	0.8	22.3
8 29	0 3.05	− 0 4.7	39.128	40.047	0.6	22.3
9 8	0 2.34	− 0 9.2	39.073	40.047	0.4	22.3
9 18	0 1.58	− 0 13.9	39.046	40.047	0.1	22.2
9 28	0 0.81	− 0 18.7	39.048	40.047	0.1	22.2
10 8	0 0.05	− 0 23.3	39.081	40.047	0.4	22.3
10 18	23 59.34	− 0 27.7	39.142	40.047	0.6	22.3
10 28	23 58.69	− 0 31.6	39.231	40.046	0.8	22.3

440008 2002 HT_{10} 9 23.2 117°.83 2°.6/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.46	− 3 19.9	2.082	2.942	12.3	22.0
8 29	0 19.53	− 4 42.4	2.028	2.961	9.0	21.8
9 8	0 12.95	− 6 12.4	1.999	2.979	5.5	21.6
9 18	0 5.30	− 7 43.3	1.998	2.996	2.7	21.5
9 28	23 57.38	− 9 7.5	2.027	3.013	4.1	21.6
10 8	23 50.04	−10 18.7	2.084	3.029	7.4	21.8
10 18	23 43.97	−11 12.5	2.167	3.045	10.5	22.1
10 28	23 39.71	−11 47.0	2.274	3.060	13.2	22.3

314988 Sireland 9 23.2 65°.90 0°.8/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.67	+ 6 32.6	2.092	2.930	13.2	20.6
8 29	0 16.81	+ 5 46.0	2.023	2.938	10.0	20.4
9 8	0 11.33	+ 4 44.6	1.977	2.947	6.5	20.2
9 18	0 4.76	+ 3 32.1	1.957	2.956	2.6	20.0
9 28	23 57.86	+ 2 14.3	1.965	2.964	1.7	19.9
10 8	23 51.43	+ 0 58.1	2.002	2.973	5.5	20.2
10 18	23 46.16	− 0 10.5	2.066	2.982	9.0	20.5
10 28	23 42.61	− 1 6.4	2.154	2.991	12.1	20.7

224201 2005 RL_{28} 9 23.2 22°.21 4°.6/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.56	− 8 0.0	0.976	1.880	19.3	19.4
8 29	0 22.50	− 8 21.0	0.938	1.892	14.4	19.2
9 8	0 15.35	− 8 46.0	0.919	1.905	9.1	18.9
9 18	0 6.19	− 9 6.6	0.921	1.919	4.9	18.7
9 28	23 56.64	− 9 14.3	0.945	1.935	6.4	18.9
10 8	23 48.35	− 9 3.6	0.991	1.953	11.2	19.2
10 18	23 42.54	− 8 32.7	1.058	1.971	15.8	19.6
10 28	23 39.91	− 7 42.8	1.143	1.991	19.8	19.9

276209 2002 QB_{79} 9 23.2 348°.27 0°.1/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.59	+ 1 29.1	2.219	3.067	12.1	21.0
8 29	0 18.21	+ 1 11.7	2.142	3.065	9.1	20.8
9 8	0 12.21	+ 0 44.9	2.088	3.064	5.7	20.6
9 18	0 5.09	+ 0 11.7	2.061	3.063	2.0	20.3
9 28	23 57.57	− 0 23.6	2.063	3.061	1.9	20.3
10 8	23 50.46	− 0 56.3	2.092	3.060	5.6	20.6
10 18	23 44.46	− 1 22.3	2.149	3.060	9.1	20.8
10 28	23 40.15	− 1 38.4	2.230	3.059	12.0	21.0

489441 2006 WW_{198} 9 23.2 309°.42 1°.4/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.52	− 0 40.9	1.334	2.212	16.8	21.1
8 29	0 20.85	− 1 9.5	1.253	2.194	12.7	20.8
9 8	0 14.47	− 1 52.3	1.193	2.175	7.9	20.5
9 18	0 6.02	− 2 43.9	1.156	2.158	2.8	20.2
9 28	23 56.65	− 3 36.4	1.143	2.140	3.7	20.2
10 8	23 47.77	− 4 20.9	1.155	2.123	9.1	20.5
10 18	23 40.69	− 4 50.0	1.190	2.107	14.2	20.7
10 28	23 36.38	− 4 59.2	1.245	2.091	18.6	20.9

192500 1998 KT_{15} 9 23.2 123°.73 4°.1/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.48	+16 28.7	1.983	2.773	15.5	20.0
8 29	0 19.07	+15 59.1	1.909	2.783	12.6	19.8
9 8	0 12.81	+15 6.7	1.855	2.793	9.3	19.6
9 18	0 5.30	+13 53.1	1.826	2.803	5.9	19.4
9 28	23 57.40	+12 23.0	1.824	2.813	4.1	19.3
10 8	23 50.03	+10 44.1	1.850	2.822	5.9	19.5
10 18	23 43.99	+ 9 4.8	1.904	2.831	9.1	19.7
10 28	23 39.90	+ 7 33.2	1.984	2.839	12.2	19.9

204910 2008 HU_{12} 9 23.2 104°.84 3°.3/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.76	− 7 4.6	2.223	3.093	11.3	20.7
8 29	0 17.53	− 8 11.1	2.162	3.099	8.3	20.5
9 8	0 11.73	− 9 21.9	2.126	3.106	5.3	20.3
9 18	0 4.91	−10 31.2	2.118	3.112	3.3	20.2
9 28	23 57.77	−11 32.8	2.137	3.118	4.6	20.3
10 8	23 51.09	−12 21.4	2.185	3.124	7.5	20.5
10 18	23 45.53	−12 53.8	2.258	3.130	10.4	20.7
10 28	23 41.64	−13 8.3	2.354	3.135	13.0	20.9

486957 2014 MK_{66} 9 23.2 71°.96 3°.7/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 21.64	+14 32.6	2.288	3.081	13.6	21.3
8 29	0 17.52	+14 26.1	2.207	3.085	11.0	21.2
9 8	0 11.79	+14 2.0	2.148	3.088	8.1	21.0
9 18	0 4.95	+13 21.2	2.114	3.091	5.2	20.8
9 28	23 57.71	+12 26.8	2.107	3.095	3.7	20.7
10 8	23 50.87	+11 23.9	2.128	3.098	5.3	20.8
10 18	23 45.13	+10 18.5	2.177	3.102	8.2	21.0
10 28	23 41.06	+ 9 16.6	2.251	3.105	11.0	21.2

92234 2000 AV_{103} 9 23.2 345°.46 7°.2/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.54	+22 27.1	1.806	2.576	17.5	17.9
8 29	0 15.78	+22 34.8	1.719	2.568	15.0	17.7
9 8	0 11.00	+22 15.2	1.651	2.561	12.1	17.5
9 18	0 4.74	+21 26.9	1.603	2.554	9.2	17.3
9 28	23 57.88	+20 11.7	1.579	2.548	7.3	17.2
10 8	23 51.45	+18 36.0	1.581	2.543	7.7	17.2
10 18	23 46.36	+16 48.9	1.608	2.538	10.1	17.3
10 28	23 43.37	+15 1.1	1.660	2.535	13.2	17.5

167271 2003 UY_{146} 9 23.2 275°.25 1°.1/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.51	+ 7 35.4	1.903	2.740	14.3	20.4
8 29	0 17.82	+ 6 46.9	1.810	2.724	11.1	20.2
9 8	0 12.20	+ 5 39.4	1.739	2.708	7.3	19.9
9 18	0 5.15	+ 4 16.2	1.694	2.692	3.1	19.6
9 28	23 57.50	+ 2 43.4	1.677	2.676	2.0	19.5
10 8	23 50.20	+ 1 9.6	1.687	2.660	6.2	19.7
10 18	23 44.12	− 0 17.2	1.725	2.643	10.4	20.0
10 28	23 40.00	− 1 29.9	1.786	2.627	14.1	20.2

320082 2007 EZ_{73} 9 23.2 85°.44 1°.4/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.64	− 0 24.5	2.248	3.105	11.7	20.4
8 29	0 16.66	− 1 30.5	2.186	3.117	8.6	20.3
9 8	0 11.18	− 2 45.7	2.148	3.128	5.2	20.1
9 18	0 4.72	− 4 5.0	2.138	3.139	1.9	19.9
9 28	23 57.98	− 5 22.0	2.156	3.150	2.8	20.0
10 8	23 51.68	− 6 30.8	2.203	3.161	6.2	20.2
10 18	23 46.48	− 7 26.6	2.278	3.172	9.4	20.4
10 28	23 42.87	− 8 6.5	2.376	3.182	12.1	20.6

108172 2001 HC_{10} 9 23.2 184°.74 4°.9/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.04	−14 15.6	2.377	3.241	10.9	20.4
8 29	0 21.40	−15 12.2	2.313	3.241	8.3	20.3
9 8	0 14.12	−16 7.6	2.274	3.241	6.0	20.1
9 18	0 5.75	−16 55.9	2.262	3.240	4.9	20.0
9 28	23 57.03	−17 31.7	2.280	3.238	6.1	20.1
10 8	23 48.79	−17 51.1	2.324	3.236	8.5	20.3
10 18	23 41.73	−17 52.6	2.395	3.233	11.1	20.4
10 28	23 36.43	−17 36.1	2.488	3.230	13.4	20.6

237375 1995 SM_{16} 9 23.2 224°.86 0°.2/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.45	+ 3 17.1	2.032	2.877	13.2	20.9
8 29	0 19.08	+ 2 26.3	1.947	2.870	10.0	20.7
9 8	0 12.87	+ 1 21.6	1.887	2.862	6.2	20.4
9 18	0 5.37	+ 0 7.2	1.852	2.854	2.1	20.2
9 28	23 57.36	− 1 10.7	1.847	2.845	2.2	20.2
10 8	23 49.74	− 2 24.9	1.870	2.836	6.3	20.4
10 18	23 43.34	− 3 28.9	1.920	2.827	10.2	20.6
10 28	23 38.80	− 4 18.1	1.993	2.817	13.5	20.8

373173 2012 DB_{30} 9 23.2 153°.48 0°.6/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.81	+ 1 0.5	1.601	2.458	15.6	21.3
8 29	0 23.40	+ 0 31.0	1.535	2.463	11.8	21.1
9 8	0 15.67	− 0 11.3	1.490	2.468	7.3	20.9
9 18	0 6.34	− 1 1.6	1.470	2.472	2.4	20.6
9 28	23 56.49	− 1 53.1	1.478	2.476	2.7	20.6
10 8	23 47.33	− 2 38.7	1.513	2.479	7.5	20.9
10 18	23 39.85	− 3 12.7	1.573	2.482	11.8	21.2
10 28	23 34.82	− 3 31.0	1.655	2.485	15.5	21.4

66867 1999 VN_{47} 9 23.2 25°.35 9°.4/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.88	+21 40.2	1.382	2.170	21.1	17.5
8 29	0 20.99	+22 43.2	1.322	2.180	18.0	17.3
9 8	0 14.44	+23 16.5	1.278	2.191	14.7	17.2
9 18	0 5.97	+23 16.7	1.254	2.202	11.5	17.0
9 28	23 56.83	+22 44.1	1.251	2.215	9.5	16.9
10 8	23 48.42	+21 45.0	1.272	2.228	9.9	17.0
10 18	23 41.95	+20 29.3	1.316	2.242	12.3	17.2
10 28	23 38.28	+19 9.0	1.382	2.257	15.3	17.4

187434 2005 WD_{38} 9 23.2 349°.21 6°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.57	−16 3.3	1.910	2.791	12.4	19.7
8 29	0 19.20	−17 9.6	1.853	2.788	9.6	19.5
9 8	0 12.93	−18 13.2	1.819	2.786	7.3	19.4
9 18	0 5.37	−19 6.7	1.811	2.784	6.4	19.3
9 28	23 57.43	−19 43.2	1.829	2.782	7.9	19.4
10 8	23 50.04	−19 58.3	1.872	2.781	10.5	19.5
10 18	23 44.04	−19 50.6	1.939	2.780	13.2	19.7
10 28	23 40.05	−19 21.0	2.025	2.779	15.7	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
202166 2004 VY_{48}			9 23.2	259°.12	3°.1/20.0	18
	h m	° ′			°	m
8 19	0 25.07	− 5 37.3	1.928	2.796	12.9	20.4
8 29	0 20.46	− 6 34.3	1.844	2.780	9.6	20.2
9 8	0 13.83	− 7 38.9	1.782	2.762	6.0	19.9
9 18	0 5.74	− 8 45.2	1.748	2.745	3.3	19.7
9 28	23 57.04	− 9 45.7	1.741	2.727	4.7	19.8
10 8	23 48.72	−10 33.8	1.762	2.709	8.4	20.0
10 18	23 41.68	−11 4.9	1.808	2.690	12.1	20.2
10 28	23 36.67	−11 16.4	1.876	2.671	15.3	20.3
150874 2001 SG_{209}			9 23.2	206°.35	1°.3/21.9	17
8 19	0 24.22	+ 0 41.4	1.735	2.596	14.4	20.3
8 29	0 19.88	− 0 18.8	1.662	2.594	10.8	20.1
9 8	0 13.47	− 1 32.7	1.611	2.591	6.6	19.8
9 18	0 5.61	− 2 54.5	1.587	2.588	2.3	19.5
9 28	23 57.21	− 4 16.1	1.590	2.585	3.2	19.6
10 8	23 49.34	− 5 29.2	1.620	2.582	7.6	19.9
10 18	23 42.91	− 6 27.4	1.676	2.578	11.7	20.1
10 28	23 38.63	− 7 6.3	1.754	2.574	15.2	20.3
147293 2003 AR_{42}			9 23.2	236°.24	6°.0/15.5	18
8 19	0 22.50	−15 9.5	2.151	3.028	11.4	19.9
8 29	0 18.28	−16 42.7	2.088	3.022	8.8	19.7
9 8	0 12.32	−18 15.4	2.051	3.016	6.7	19.6
9 18	0 5.18	−19 39.9	2.040	3.009	6.1	19.5
9 28	23 57.61	−20 48.7	2.056	3.003	7.6	19.6
10 8	23 50.47	−21 36.4	2.099	2.996	10.1	19.7
10 18	23 44.52	−22 0.7	2.166	2.989	12.7	19.9
10 28	23 40.37	−22 1.5	2.252	2.982	15.0	20.1
394851 2008 SU_{309}			9 23.2	270°.43	0°.4/22.8	18
8 19	0 23.88	+ 2 17.1	1.900	2.752	13.7	21.7
8 29	0 19.65	+ 1 34.0	1.806	2.731	10.4	21.4
9 8	0 13.39	+ 0 36.7	1.734	2.711	6.5	21.2
9 18	0 5.62	− 0 30.9	1.688	2.689	2.2	20.8
9 28	23 57.16	− 1 42.5	1.670	2.668	2.4	20.8
10 8	23 49.02	− 2 50.5	1.680	2.646	6.9	21.1
10 18	23 42.12	− 3 48.2	1.716	2.624	11.1	21.3
10 28	23 37.25	− 4 30.4	1.775	2.601	14.7	21.4
144538 2004 EQ_{84}			9 23.2	221°.19	2°.7/20.8	18
8 19	0 25.95	− 3 14.3	1.629	2.499	14.7	20.6
8 29	0 21.32	− 4 11.2	1.558	2.496	10.9	20.3
9 8	0 14.43	− 5 18.4	1.510	2.491	6.7	20.1
9 18	0 5.95	− 6 29.2	1.487	2.487	3.0	19.8
9 28	23 56.90	− 7 35.3	1.491	2.482	4.4	19.9
10 8	23 48.42	− 8 28.9	1.522	2.477	8.7	20.2
10 18	23 41.52	− 9 4.5	1.578	2.472	12.8	20.4
10 28	23 36.94	− 9 19.4	1.654	2.467	16.3	20.6
268845 2006 WE_{174}			9 23.2	258°.96	0°.5/23.7	18
8 19	0 25.66	+ 4 31.2	1.689	2.537	15.3	21.8
8 29	0 21.21	+ 4 0.3	1.600	2.522	11.8	21.5
9 8	0 14.47	+ 3 12.7	1.532	2.506	7.6	21.3
9 18	0 6.02	+ 2 11.8	1.489	2.490	2.9	20.9
9 28	23 56.81	+ 1 3.6	1.474	2.473	2.2	20.9
10 8	23 47.99	− 0 3.7	1.485	2.456	7.1	21.1
10 18	23 40.62	− 1 2.5	1.522	2.438	11.7	21.4
10 28	23 35.57	− 1 46.6	1.582	2.421	15.6	21.6
53278 1999 FH_{33}			9 23.2	235°.05	0°.1/23.1	18
8 19	0 22.42	+ 3 21.3	2.305	3.146	12.0	19.9
8 29	0 18.13	+ 2 34.4	2.216	3.136	9.1	19.7
9 8	0 12.22	+ 1 35.1	2.150	3.125	5.7	19.5
9 18	0 5.16	+ 0 27.0	2.112	3.113	2.0	19.2
9 28	23 57.63	− 0 44.5	2.103	3.101	1.9	19.2
10 8	23 50.43	− 1 53.4	2.123	3.089	5.7	19.4
10 18	23 44.27	− 2 54.0	2.170	3.077	9.2	19.6
10 28	23 39.75	− 3 42.0	2.243	3.064	12.3	19.8
424444 2008 CL_{40}			9 23.2	88°.26	0°.2/23.4	17
8 19	0 28.26	+ 3 19.7	1.486	2.341	16.7	21.8
8 29	0 22.98	+ 2 49.9	1.433	2.359	12.6	21.6
9 8	0 15.37	+ 2 4.7	1.400	2.376	7.9	21.4
9 18	0 6.23	+ 1 9.2	1.392	2.393	2.8	21.1
9 28	23 56.72	+ 0 10.4	1.411	2.410	2.4	21.1
10 8	23 48.05	− 0 43.6	1.456	2.427	7.3	21.5
10 18	23 41.20	− 1 26.5	1.527	2.443	11.6	21.8
10 28	23 36.85	− 1 53.9	1.620	2.459	15.3	22.0
338004 2002 EA_{73}			9 23.2	199°.91	0°.3/22.9	18
8 19	0 31.94	− 0 40.1	1.947	2.791	13.8	20.8
8 29	0 25.47	− 0 33.3	1.868	2.789	10.4	20.5
9 8	0 16.87	− 0 33.9	1.812	2.787	6.5	20.3
9 18	0 6.79	− 0 39.3	1.783	2.784	2.2	20.0
9 28	23 56.16	− 0 45.9	1.783	2.781	2.2	20.0
10 8	23 46.06	− 0 49.7	1.812	2.778	6.5	20.3
10 18	23 37.42	− 0 47.3	1.868	2.774	10.4	20.5
10 28	23 30.98	− 0 36.0	1.949	2.770	13.8	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
189906 2003 SU_{100}			9 23.2	44°.51	1°.0/24.3	18
	h m	° ′			°	m
8 19	0 21.58	+ 5 50.2	2.010	2.851	13.5	19.8
8 29	0 17.55	+ 5 23.8	1.946	2.863	10.3	19.6
9 8	0 11.83	+ 4 43.7	1.905	2.875	6.7	19.4
9 18	0 5.00	+ 3 53.2	1.890	2.888	2.8	19.2
9 28	23 57.84	+ 2 57.2	1.902	2.901	1.8	19.1
10 8	23 51.19	+ 2 1.8	1.942	2.914	5.5	19.4
10 18	23 45.78	+ 1 12.5	2.008	2.928	9.1	19.7
10 28	23 42.16	+ 0 33.9	2.099	2.941	12.2	19.9
153581 2001 SH_{242}			9 23.2	156°.62	1°.8/21.7	18
8 19	0 28.89	− 3 1.4	1.770	2.631	14.2	19.9
8 29	0 23.27	− 3 28.6	1.703	2.635	10.6	19.7
9 8	0 15.51	− 4 3.6	1.659	2.638	6.5	19.5
9 18	0 6.31	− 4 41.4	1.641	2.641	2.5	19.3
9 28	23 56.64	− 5 16.2	1.650	2.644	3.4	19.3
10 8	23 47.60	− 5 42.2	1.687	2.647	7.6	19.6
10 18	23 40.11	− 5 55.7	1.750	2.649	11.5	19.8
10 28	23 34.87	− 5 54.2	1.836	2.651	14.8	20.1
116792 2004 ER_{42}			9 23.2	130°.52	0°.1/23.1	18
8 19	0 29.74	+ 1 37.1	1.765	2.613	14.8	20.2
8 29	0 23.85	+ 1 20.1	1.701	2.624	11.2	20.0
9 8	0 15.84	+ 0 51.6	1.659	2.634	7.0	19.8
9 18	0 6.41	+ 0 15.5	1.643	2.644	2.4	19.6
9 28	23 56.57	− 0 22.9	1.656	2.654	2.3	19.6
10 8	23 47.39	− 0 57.6	1.696	2.663	6.7	19.9
10 18	23 39.81	− 1 23.8	1.762	2.672	10.7	20.1
10 28	23 34.49	− 1 37.8	1.852	2.680	14.1	20.4
198231 2004 TY_{194}			9 23.2	93°.51	2°.1/25.3	18
8 19	0 25.98	+ 8 34.5	1.752	2.583	15.6	20.2
8 29	0 21.06	+ 8 14.9	1.690	2.598	12.1	20.0
9 8	0 14.10	+ 7 37.5	1.650	2.613	8.1	19.8
9 18	0 5.81	+ 6 45.3	1.634	2.628	4.0	19.6
9 28	23 57.13	+ 5 43.7	1.645	2.643	2.5	19.6
10 8	23 49.11	+ 4 39.9	1.684	2.658	6.1	19.8
10 18	23 42.61	+ 3 41.0	1.749	2.672	10.0	20.1
10 28	23 38.27	+ 2 52.7	1.839	2.686	13.4	20.3
34732 2001 QD_{48}			9 23.2	306°.55	0°.1/23.2	18
8 19	0 24.92	+ 2 22.1	1.455	2.320	16.4	19.7
8 29	0 20.88	+ 2 0.0	1.378	2.310	12.5	19.5
9 8	0 14.36	+ 1 22.3	1.322	2.300	7.9	19.2
9 18	0 6.00	+ 0 33.2	1.289	2.290	2.8	18.8
9 28	23 56.89	− 0 20.5	1.282	2.281	2.6	18.8
10 8	23 48.32	− 1 10.8	1.300	2.271	7.8	19.1
10 18	23 41.44	− 1 50.3	1.343	2.262	12.6	19.4
10 28	23 37.12	− 2 13.8	1.407	2.254	16.8	19.6
447571 2006 TP_{65}			9 23.2	8°.75	6°.4/28.3	15
8 19	0 22.37	+14 35.1	1.337	2.167	19.6	20.2
8 29	0 19.11	+15 20.6	1.273	2.169	16.1	20.0
9 8	0 13.29	+15 41.7	1.227	2.173	12.2	19.8
9 18	0 5.62	+15 36.6	1.201	2.178	8.4	19.6
9 28	23 57.27	+15 7.7	1.199	2.185	6.4	19.5
10 8	23 49.59	+14 21.4	1.221	2.193	8.2	19.6
10 18	23 43.75	+13 26.7	1.266	2.202	11.7	19.8
10 28	23 40.58	+12 33.4	1.332	2.212	15.4	20.1
162861 2001 DY_{103}			9 23.2	344°.96	4°.9/12.9	18
8 19	0 15.91	−20 35.1	3.592	4.460	7.4	18.6
8 29	0 12.79	−21 55.2	3.536	4.456	6.0	18.5
9 8	0 8.67	−23 11.8	3.506	4.451	5.1	18.4
9 18	0 3.89	−24 20.6	3.505	4.447	5.1	18.4
9 28	23 58.88	−25 17.5	3.531	4.443	6.0	18.5
10 8	23 54.09	−25 59.9	3.584	4.439	7.4	18.5
10 18	23 49.95	−26 26.2	3.662	4.436	8.9	18.7
10 28	23 46.83	−26 36.2	3.760	4.432	10.3	18.8
427521 2002 JK_{20}			9 23.2	26°.12	13°.1/16.7	17
8 19	0 28.56	−23 39.2	0.837	1.748	21.0	18.1
8 29	0 23.76	−24 57.0	0.841	1.784	17.0	18.0
9 8	0 15.79	−25 50.5	0.863	1.822	14.0	18.0
9 18	0 6.24	−26 8.7	0.903	1.863	13.1	18.1
9 28	23 57.03	−25 46.8	0.963	1.905	14.4	18.3
10 8	23 49.71	−24 47.6	1.041	1.949	16.9	18.6
10 18	23 45.19	−23 18.8	1.138	1.993	19.5	19.0
10 28	23 43.81	−21 28.6	1.251	2.039	21.9	19.3
43425 2000 YC_{6}			9 23.2	163°.98	2°.7/25.7	18
8 19	0 25.53	+10 30.4	1.563	2.394	17.2	19.4
8 29	0 21.12	+10 3.5	1.490	2.396	13.5	19.1
9 8	0 14.37	+ 9 13.9	1.437	2.398	9.3	18.9
9 18	0 5.97	+ 8 4.3	1.407	2.400	4.8	18.7
9 28	23 56.98	+ 6 40.9	1.404	2.402	3.0	18.5
10 8	23 48.60	+ 5 13.0	1.428	2.403	6.8	18.8
10 18	23 41.86	+ 3 49.9	1.478	2.404	11.2	19.0
10 28	23 37.55	+ 2 39.9	1.550	2.404	15.1	19.3

383526 2007 DB_{18} 9 23.2 291.°62 0.°9/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 23.91	+ 1 22.1	1.501	2.368	15.9	21.7
8 29	0 20.11	+ 0 40.2	1.419	2.353	12.0	21.4
9 8	0 13.89	− 0 17.8	1.358	2.338	7.5	21.1
9 18	0 5.86	− 1 26.7	1.321	2.323	2.5	20.8
9 28	23 57.05	− 2 38.5	1.310	2.308	3.1	20.8
10 8	23 48.71	− 3 44.1	1.325	2.293	8.2	21.1
10 18	23 41.96	− 4 35.8	1.365	2.278	13.0	21.3
10 28	23 37.68	− 5 8.1	1.425	2.263	17.1	21.5

256656 2007 XK_{17} 9 23.2 252.°03 4.°4/19.6 18

8 19	0 27.70	− 7 32.5	1.506	2.385	15.2	20.6
8 29	0 22.89	− 8 32.3	1.435	2.376	11.4	20.4
9 8	0 15.56	− 9 38.8	1.386	2.366	7.4	20.1
9 18	0 6.42	−10 44.2	1.362	2.357	4.5	19.9
9 28	23 56.59	−11 39.1	1.364	2.347	6.2	20.0
10 8	23 47.36	−12 15.8	1.391	2.336	10.3	20.2
10 18	23 39.88	−12 30.1	1.442	2.326	14.4	20.4
10 28	23 34.97	−12 20.8	1.513	2.315	18.0	20.7

117355 2004 XT_{86} 9 23.2 236.°58 1.°9/24.8 18

8 19	0 29.22	+ 6 36.7	1.686	2.520	16.0	20.0
8 29	0 23.92	+ 6 33.9	1.598	2.509	12.5	19.8
9 8	0 16.20	+ 6 14.8	1.531	2.497	8.3	19.5
9 18	0 6.66	+ 5 41.0	1.489	2.485	3.9	19.2
9 28	23 56.33	+ 4 56.8	1.474	2.472	2.5	19.1
10 8	23 46.43	+ 4 8.9	1.486	2.459	6.9	19.3
10 18	23 38.08	+ 3 24.1	1.525	2.445	11.4	19.6
10 28	23 32.16	+ 2 49.0	1.586	2.430	15.3	19.8

300863 2007 YA_{69} 9 23.2 221.°83 1.°2/24.5 18

8 19	0 24.53	+ 5 41.8	2.127	2.960	13.2	21.7
8 29	0 19.82	+ 5 27.5	2.044	2.956	10.1	21.5
9 8	0 13.33	+ 5 0.2	1.984	2.952	6.6	21.2
9 18	0 5.58	+ 4 22.3	1.950	2.948	2.9	21.0
9 28	23 57.36	+ 3 37.9	1.944	2.943	1.9	20.9
10 8	23 49.54	+ 2 52.3	1.967	2.938	5.6	21.2
10 18	23 42.90	+ 2 10.7	2.017	2.934	9.2	21.4
10 28	23 38.08	+ 1 37.8	2.091	2.929	12.4	21.6

112191 2002 JU_{105} 9 23.2 168.°11 0.°6/22.6 18

8 19	0 25.74	+ 0 55.2	2.305	3.147	12.0	20.5
8 29	0 20.50	+ 0 17.6	2.231	3.152	8.9	20.3
9 8	0 13.62	− 0 29.4	2.181	3.156	5.5	20.1
9 18	0 5.65	− 1 22.0	2.159	3.160	1.8	19.9
9 28	23 57.32	− 2 15.4	2.166	3.163	2.1	19.9
10 8	23 49.43	− 3 4.2	2.202	3.165	5.8	20.2
10 18	23 42.68	− 3 44.0	2.266	3.167	9.1	20.4
10 28	23 37.64	− 4 11.7	2.355	3.168	12.0	20.6

269437 2009 SP_{200} 9 23.2 25.°68 2.°0/24.8 17

8 19	0 23.73	+ 6 57.4	1.212	2.076	19.1	20.5
8 29	0 20.17	+ 6 46.3	1.155	2.083	14.8	20.2
9 8	0 13.94	+ 6 13.4	1.117	2.091	9.8	20.0
9 18	0 5.84	+ 5 22.0	1.101	2.099	4.4	19.7
9 28	23 57.17	+ 4 19.7	1.109	2.108	2.8	19.6
10 8	23 49.34	+ 3 16.2	1.141	2.118	7.7	20.0
10 18	23 43.49	+ 2 20.7	1.197	2.129	12.6	20.3
10 28	23 40.43	+ 1 40.4	1.273	2.141	16.9	20.6

467859 2010 XL_{33} 9 23.2 267.°52 5.°3/ 6.8 17

8 19	0 16.60	+33 17.8	4.640	5.256	9.3	20.3
8 29	0 13.18	+33 19.4	4.537	5.253	8.4	20.2
9 8	0 8.88	+33 6.7	4.453	5.250	7.3	20.1
9 18	0 3.98	+32 39.3	4.391	5.247	6.3	20.0
9 28	23 58.87	+31 57.5	4.354	5.244	5.5	19.9
10 8	23 53.96	+31 3.1	4.344	5.240	5.3	19.9
10 18	23 49.61	+29 58.7	4.361	5.237	5.7	19.9
10 28	23 46.17	+28 47.8	4.405	5.234	6.5	20.0

172334 2002 VB_{25} 9 23.2 322.°23 3.°0/26.2 18

8 19	0 23.90	+10 36.2	1.907	2.727	14.9	20.1
8 29	0 19.56	+10 32.4	1.827	2.726	11.8	19.9
9 8	0 13.27	+10 10.9	1.768	2.724	8.3	19.7
9 18	0 5.60	+ 9 33.2	1.734	2.723	4.7	19.5
9 28	23 57.41	+ 8 42.9	1.727	2.722	3.1	19.4
10 8	23 49.66	+ 7 46.0	1.748	2.721	5.9	19.6
10 18	23 43.24	+ 6 49.3	1.795	2.720	9.6	19.8
10 28	23 38.83	+ 5 59.2	1.866	2.720	13.0	20.0

9714 1975 LF_{1} 9 23.2 50.°39 4.°9/18.9 18

8 19	0 29.67	−14 37.7	2.128	2.993	12.0	17.2
8 29	0 23.49	−14 59.8	2.068	2.997	9.1	17.1
9 8	0 15.48	−15 18.9	2.032	3.001	6.4	16.9
9 18	0 6.31	−15 29.8	2.023	3.005	4.9	16.8
9 28	23 56.83	−15 28.1	2.042	3.010	6.0	16.9
10 8	23 47.97	−15 11.1	2.088	3.014	8.6	17.1
10 18	23 40.52	−14 38.2	2.161	3.019	11.4	17.3
10 28	23 35.06	−13 50.4	2.256	3.024	13.9	17.5

151289 2002 BW_{31} 9 23.2 294.°57 0.°1/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 22.36	+ 2 16.4	2.063	2.913	12.9	21.0
8 29	0 18.24	+ 1 44.7	1.983	2.907	9.7	20.7
9 8	0 12.37	+ 1 1.4	1.926	2.902	6.1	20.5
9 18	0 5.28	+ 0 10.1	1.895	2.896	2.1	20.2
9 28	23 57.72	− 0 43.9	1.891	2.890	2.0	20.2
10 8	23 50.56	− 1 34.9	1.916	2.884	6.0	20.5
10 18	23 44.57	− 2 17.4	1.968	2.879	9.7	20.7
10 28	23 40.38	− 2 47.6	2.043	2.873	12.9	20.9

262607 2006 VC_{137} 9 23.2 135.°43 1.°7/21.7 17

8 19	0 28.25	− 1 46.6	1.714	2.575	14.6	21.4
8 29	0 22.82	− 2 27.7	1.652	2.584	10.8	21.2
9 8	0 15.26	− 3 18.4	1.613	2.592	6.6	21.0
9 18	0 6.27	− 4 13.3	1.600	2.601	2.5	20.8
9 28	23 56.86	− 5 5.3	1.614	2.608	3.4	20.9
10 8	23 48.13	− 5 47.9	1.656	2.616	7.6	21.1
10 18	23 40.98	− 6 16.5	1.723	2.623	11.6	21.4
10 28	23 36.10	− 6 28.3	1.813	2.629	14.9	21.6

441592 2008 UC_{128} 9 23.2 31.°78 10.°2/14.3 18

8 19	0 29.96	−24 56.6	1.637	2.508	14.6	20.7
8 29	0 24.30	−26 10.2	1.595	2.510	12.2	20.5
9 8	0 16.23	−27 11.5	1.574	2.513	10.5	20.5
9 18	0 6.60	−27 51.0	1.576	2.515	10.3	20.5
9 28	23 56.61	−28 1.5	1.603	2.518	11.6	20.5
10 8	23 47.52	−27 40.6	1.652	2.521	13.9	20.7
10 18	23 40.33	−26 50.0	1.723	2.524	16.3	20.9
10 28	23 35.70	−25 34.2	1.811	2.528	18.5	21.1

192141 2006 EB_{41} 9 23.2 153.°62 0.°9/24.3 18

8 19	0 21.56	+ 5 25.3	2.466	3.297	11.6	21.0
8 29	0 17.35	+ 5 1.2	2.386	3.298	8.9	20.8
9 8	0 11.68	+ 4 25.8	2.331	3.299	5.7	20.6
9 18	0 5.02	+ 3 41.5	2.302	3.300	2.4	20.4
9 28	23 58.01	+ 2 52.4	2.302	3.301	1.6	20.3
10 8	23 51.36	+ 2 3.1	2.331	3.302	4.9	20.5
10 18	23 45.69	+ 1 18.3	2.388	3.303	8.1	20.7
10 28	23 41.54	+ 0 41.9	2.470	3.303	10.9	20.9

223452 2003 TK_{21} 9 23.2 283.°60 0.°0/23.3 18

8 19	0 19.63	+ 4 39.3	2.417	3.256	11.6	20.4
8 29	0 16.07	+ 3 38.8	2.317	3.235	8.8	20.2
9 8	0 11.00	+ 2 24.1	2.241	3.214	5.6	19.9
9 18	0 4.82	+ 0 58.8	2.192	3.193	2.0	19.7
9 28	23 58.16	− 0 31.4	2.173	3.171	1.8	19.6
10 8	23 51.75	− 1 59.9	2.183	3.150	5.5	19.8
10 18	23 46.26	− 3 20.5	2.221	3.128	9.0	20.0
10 28	23 42.27	− 4 28.0	2.284	3.106	12.0	20.2

294971 2008 ER_{5} 9 23.2 112.°08 0.°1/23.2 17

8 19	0 28.01	+ 2 47.5	1.636	2.487	15.6	21.4
8 29	0 22.71	+ 2 17.2	1.575	2.500	11.8	21.2
9 8	0 15.22	+ 1 32.9	1.537	2.512	7.3	21.0
9 18	0 6.28	+ 0 39.2	1.523	2.524	2.6	20.7
9 28	23 56.91	− 0 17.2	1.537	2.536	2.3	20.7
10 8	23 48.27	− 1 9.1	1.579	2.548	7.0	21.0
10 18	23 41.28	− 1 50.6	1.646	2.559	11.2	21.3
10 28	23 36.61	− 2 17.4	1.735	2.569	14.7	21.6

429833 2012 PM_{30} 9 23.2 64.°81 7.°2/29.8 16

8 19	0 29.04	+19 20.2	1.474	2.263	20.0	20.7
8 29	0 23.75	+19 49.6	1.423	2.288	16.6	20.6
9 8	0 15.96	+19 50.7	1.390	2.314	12.8	20.4
9 18	0 6.53	+19 22.5	1.379	2.341	9.3	20.3
9 28	23 56.71	+18 28.3	1.391	2.367	7.2	20.2
10 8	23 47.79	+17 16.1	1.429	2.392	8.2	20.3
10 18	23 40.83	+15 55.8	1.492	2.418	11.1	20.6
10 28	23 36.52	+14 37.8	1.578	2.444	14.2	20.8

68264 2001 EQ_{13} 9 23.2 289.°60 0.°4/23.7 18

8 19	0 21.86	+ 5 50.7	1.732	2.581	15.0	18.3
8 29	0 18.41	+ 4 56.6	1.633	2.555	11.6	18.0
9 8	0 12.80	+ 3 42.1	1.555	2.529	7.5	17.7
9 18	0 5.54	+ 2 10.8	1.503	2.503	2.8	17.4
9 28	23 57.48	+ 0 30.1	1.478	2.477	2.2	17.3
10 8	23 49.71	− 1 10.5	1.480	2.451	7.1	17.5
10 18	23 43.24	− 2 41.4	1.508	2.424	11.8	17.7
10 28	23 38.93	− 3 54.8	1.559	2.398	15.8	17.9

195152 2002 CW_{210} 9 23.2 278.°73 0.°1/23.1 18

8 19	0 17.16	+ 0 57.4	4.283	5.117	7.0	20.1
8 29	0 13.52	+ 0 43.3	4.196	5.113	5.2	20.0
9 8	0 9.06	+ 0 24.5	4.136	5.109	3.3	19.8
9 18	0 4.07	+ 0 2.7	4.104	5.105	1.1	19.7
9 28	23 58.89	− 0 20.1	4.102	5.100	1.1	19.7
10 8	23 53.89	− 0 41.7	4.130	5.096	3.2	19.8
10 18	23 49.40	− 1 0.1	4.188	5.092	5.2	20.0
10 28	23 45.74	− 1 13.6	4.272	5.088	7.0	20.1

194807 2001 YH_{104} 9 23.2 141°.38 0°.5/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 26.21	+ 4 23.0	1.966	2.805	13.9	20.4
8 29	0 21.10	+ 3 52.2	1.897	2.814	10.5	20.2
9 8	0 14.12	+ 3 8.1	1.851	2.822	6.7	20.0
9 18	0 5.89	+ 2 14.3	1.830	2.830	2.5	19.7
9 28	23 57.26	+ 1 16.1	1.839	2.838	1.9	19.7
10 8	23 49.17	+ 0 20.0	1.875	2.845	6.0	20.0
10 18	23 42.43	− 0 28.5	1.939	2.851	9.8	20.3
10 28	23 37.66	− 1 4.9	2.026	2.857	13.0	20.5

315976 2009 CN_{11} 9 23.2 122°.37 4°.4/26.7 18

8 19	0 28.51	+12 0.0	1.403	2.231	18.9	21.1
8 29	0 23.66	+12 12.1	1.334	2.235	15.2	20.9
9 8	0 16.14	+12 0.7	1.284	2.239	10.9	20.7
9 18	0 6.69	+11 26.2	1.256	2.242	6.5	20.4
9 28	23 56.54	+10 32.9	1.253	2.246	4.5	20.3
10 8	23 47.10	+ 9 28.7	1.276	2.250	7.5	20.5
10 18	23 39.56	+ 8 23.2	1.323	2.253	11.9	20.8
10 28	23 34.80	+ 7 25.4	1.392	2.256	15.9	21.1

448668 2010 VH_{181} 9 23.2 252°.22 7°.8/13.7 18

8 19	0 26.06	−24 21.8	2.349	3.210	11.1	20.6
8 29	0 20.85	−25 28.3	2.293	3.203	9.3	20.4
9 8	0 13.91	−26 26.7	2.261	3.196	8.0	20.4
9 18	0 5.82	−27 10.2	2.254	3.189	7.9	20.3
9 28	23 57.36	−27 33.4	2.274	3.181	9.1	20.4
10 8	23 49.41	−27 33.5	2.318	3.174	10.9	20.5
10 18	23 42.71	−27 10.2	2.385	3.167	12.9	20.7
10 28	23 37.85	−26 25.4	2.472	3.159	14.8	20.8

408025 2012 FL_{11} 9 23.2 201°.89 3°.9/17.8 18

8 19	0 22.17	−11 49.6	2.774	3.640	9.5	21.8
8 29	0 17.66	−12 51.3	2.704	3.636	7.1	21.7
9 8	0 11.82	−13 53.9	2.661	3.632	4.9	21.5
9 18	0 5.08	−14 52.3	2.645	3.628	3.9	21.5
9 28	23 58.02	−15 41.7	2.659	3.623	5.0	21.5
10 8	23 51.29	−16 18.2	2.701	3.618	7.2	21.7
10 18	23 45.48	−16 39.5	2.769	3.613	9.6	21.8
10 28	23 41.05	−16 44.6	2.859	3.607	11.7	22.0

432594 2010 RC_{144} 9 23.2 314°.64 2°.1/24.7 17

8 19	0 24.21	+ 6 0.3	1.196	2.063	19.1	21.3
8 29	0 21.03	+ 6 4.1	1.114	2.044	15.0	21.0
9 8	0 14.87	+ 5 47.1	1.051	2.026	10.0	20.7
9 18	0 6.37	+ 5 11.1	1.009	2.007	4.6	20.3
9 28	23 56.75	+ 4 21.4	0.990	1.990	3.0	20.2
10 8	23 47.60	+ 3 27.1	0.995	1.973	8.5	20.4
10 18	23 40.40	+ 2 38.0	1.023	1.957	14.1	20.7
10 28	23 36.27	+ 2 2.7	1.069	1.941	19.0	21.0

506510 2004 FJ_{90} 9 23.2 214°.52 1°.7/21.4 17

8 19	0 26.61	− 1 25.4	2.121	2.973	12.5	22.6
8 29	0 21.44	− 2 24.0	2.036	2.963	9.3	22.4
9 8	0 14.40	− 3 32.9	1.975	2.953	5.7	22.2
9 18	0 6.04	− 4 47.0	1.942	2.942	2.2	21.9
9 28	23 57.14	− 5 59.5	1.938	2.931	3.3	22.0
10 8	23 48.62	− 7 3.8	1.963	2.918	7.0	22.2
10 18	23 41.31	− 7 54.7	2.015	2.904	10.7	22.4
10 28	23 35.88	− 8 28.7	2.091	2.890	13.8	22.6

292804 2006 UO_{243} 9 23.2 341°.11 0°.7/23.9 18

8 19	0 21.58	+ 4 59.6	1.717	2.570	14.9	21.0
8 29	0 18.00	+ 4 28.8	1.641	2.565	11.4	20.7
9 8	0 12.40	+ 3 41.8	1.586	2.560	7.3	20.5
9 18	0 5.35	+ 2 42.4	1.556	2.556	2.9	20.2
9 28	23 57.77	+ 1 36.6	1.553	2.553	2.0	20.1
10 8	23 50.67	+ 0 32.1	1.576	2.549	6.5	20.4
10 18	23 44.95	− 0 24.2	1.625	2.546	10.7	20.7
10 28	23 41.32	− 1 6.6	1.697	2.544	14.4	20.9

13964 La Billardière 9 23.2 353°.11 0°.3/23.6 18

8 19	0 21.01	+ 3 11.1	1.873	2.728	13.8	17.7
8 29	0 17.40	+ 2 49.3	1.798	2.724	10.4	17.5
9 8	0 11.93	+ 2 14.7	1.745	2.721	6.6	17.3
9 18	0 5.17	+ 1 30.9	1.718	2.718	2.4	17.0
9 28	23 57.95	+ 0 42.9	1.717	2.716	2.0	17.0
10 8	23 51.17	− 0 3.1	1.743	2.714	6.2	17.3
10 18	23 45.65	− 0 41.6	1.795	2.714	10.0	17.5
10 28	23 42.04	− 1 8.2	1.871	2.713	13.4	17.7

500895 2013 LJ_{13} 9 23.2 103°.07 2°.8/20.9 17

8 19	0 29.02	− 2 33.4	1.384	2.257	16.7	21.9
8 29	0 23.72	− 3 39.5	1.335	2.274	12.3	21.6
9 8	0 15.94	− 4 56.6	1.308	2.290	7.5	21.4
9 18	0 6.55	− 6 16.3	1.306	2.306	3.2	21.2
9 28	23 56.78	− 7 28.7	1.330	2.322	4.7	21.4
10 8	23 47.93	− 8 25.4	1.380	2.337	9.2	21.7
10 18	23 41.04	− 9 1.3	1.454	2.352	13.4	21.9
10 28	23 36.78	− 9 14.6	1.549	2.366	17.0	22.2

77359 2001 FU_{128} 9 23.2 87°.20 2°.9/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 32.41	− 5 52.5	1.440	2.311	16.2	19.1
8 29	0 26.26	− 6 10.3	1.385	2.321	12.1	18.9
9 8	0 17.54	− 6 33.4	1.351	2.331	7.5	18.6
9 18	0 7.12	− 6 56.0	1.341	2.341	3.4	18.4
9 28	23 56.25	− 7 11.7	1.358	2.350	4.6	18.5
10 8	23 46.30	− 7 15.1	1.402	2.360	8.9	18.8
10 18	23 38.34	− 7 3.6	1.470	2.369	13.2	19.1
10 28	23 33.11	− 6 36.3	1.559	2.379	16.8	19.3

284509 2007 QU_{12} 9 23.2 347°.72 7°.8/16.0 18

8 19	0 17.44	−12 8.9	1.194	2.104	16.0	19.2
8 29	0 15.65	−13 54.1	1.137	2.092	12.3	18.9
9 8	0 11.27	−15 43.5	1.102	2.081	8.9	18.7
9 18	0 5.02	−17 24.1	1.088	2.072	7.9	18.6
9 28	23 58.10	−18 42.5	1.098	2.064	10.2	18.7
10 8	23 51.85	−19 29.3	1.129	2.058	13.9	18.9
10 18	23 47.45	−19 40.7	1.180	2.053	17.8	19.1
10 28	23 45.71	−19 17.6	1.248	2.050	21.1	19.4

378269 2007 ER_{14} 9 23.2 284°.86 0°.2/23.4 18

8 19	0 24.85	+ 3 18.5	1.546	2.405	16.0	21.7
8 29	0 20.83	+ 2 49.4	1.460	2.389	12.2	21.4
9 8	0 14.39	+ 2 3.5	1.395	2.372	7.8	21.2
9 18	0 6.12	+ 1 4.8	1.354	2.355	2.8	20.8
9 28	23 57.05	− 0 0.0	1.340	2.339	2.5	20.7
10 8	23 48.39	− 1 2.6	1.351	2.322	7.6	21.0
10 18	23 41.29	− 1 54.9	1.387	2.305	12.4	21.3
10 28	23 36.65	− 2 31.0	1.445	2.289	16.6	21.5

161730 2006 SE_{27} 9 23.2 125°.55 3°.7/26.5 18

8 19	0 28.16	+11 29.5	1.601	2.422	17.3	20.5
8 29	0 23.05	+11 30.7	1.532	2.430	13.8	20.2
9 8	0 15.58	+11 10.8	1.483	2.438	9.7	20.0
9 18	0 6.47	+10 31.0	1.457	2.445	5.6	19.8
9 28	23 56.81	+ 9 35.7	1.458	2.452	3.8	19.7
10 8	23 47.80	+ 8 32.4	1.486	2.459	6.8	19.9
10 18	23 40.49	+ 7 29.1	1.539	2.466	10.8	20.2
10 28	23 35.64	+ 6 33.8	1.616	2.472	14.5	20.4

243484 2009 TA_{23} 9 23.2 329°.49 0°.9/21.5 17

8 19	0 15.11	− 1 59.6	4.195	5.044	6.9	20.0
8 29	0 12.04	− 2 39.7	4.115	5.041	5.1	19.9
9 8	0 8.18	− 3 24.0	4.061	5.039	3.1	19.8
9 18	0 3.80	− 4 10.2	4.036	5.037	1.1	19.6
9 28	23 59.23	− 4 55.5	4.041	5.035	1.7	19.7
10 8	23 54.85	− 5 37.2	4.077	5.033	3.7	19.8
10 18	23 50.98	− 6 13.1	4.141	5.031	5.6	19.9
10 28	23 47.92	− 6 41.3	4.231	5.028	7.4	20.1

323656 2005 CD_{60} 9 23.2 264°.99 2°.7/21.1 18

8 19	0 26.85	− 2 57.5	1.443	2.318	16.0	21.2
8 29	0 22.41	− 3 47.9	1.368	2.307	12.0	20.9
9 8	0 15.39	− 4 50.1	1.314	2.296	7.4	20.6
9 18	0 6.47	− 5 57.5	1.284	2.284	3.2	20.4
9 28	23 56.78	− 7 1.1	1.280	2.273	4.6	20.4
10 8	23 47.65	− 7 51.9	1.302	2.261	9.4	20.7
10 18	23 40.27	− 8 23.7	1.347	2.249	14.0	20.9
10 28	23 35.52	− 8 33.2	1.413	2.237	18.0	21.1

185083 2006 RU_{78} 9 23.2 283°.74 0°.4/22.8 18

8 19	0 22.78	+ 1 55.3	1.933	2.787	13.4	20.3
8 29	0 18.70	+ 1 17.1	1.853	2.780	10.1	20.1
9 8	0 12.75	+ 0 26.3	1.796	2.774	6.3	19.9
9 18	0 5.48	− 0 32.8	1.765	2.767	2.1	19.6
9 28	23 57.70	− 1 34.3	1.762	2.760	2.3	19.6
10 8	23 50.35	− 2 31.5	1.787	2.754	6.5	19.9
10 18	23 44.25	− 3 18.7	1.837	2.747	10.4	20.1
10 28	23 40.06	− 3 51.7	1.911	2.741	13.7	20.3

371528 2006 UC_{220} 9 23.2 10°.36 3°.6/20.4 17

8 19	0 18.82	− 2 17.1	0.982	1.889	19.0	19.7
8 29	0 16.92	− 3 32.6	0.935	1.891	14.1	19.4
9 8	0 12.13	− 5 4.2	0.906	1.894	8.6	19.2
9 18	0 5.32	− 6 40.8	0.898	1.899	3.9	18.9
9 28	23 57.90	− 8 8.5	0.913	1.906	6.0	19.1
10 8	23 51.40	− 9 15.0	0.950	1.914	11.2	19.4
10 18	23 47.05	− 9 53.1	1.007	1.923	16.2	19.7
10 28	23 45.64	−10 0.6	1.081	1.933	20.4	20.0

74826 1999 TN_{17} 9 23.2 329°.11 5°.5/18.4 18

8 19	0 18.41	− 5 29.9	1.109	2.016	17.3	18.3
8 29	0 16.63	− 7 10.1	1.042	1.998	13.0	18.0
9 8	0 12.06	− 9 6.1	0.994	1.981	8.3	17.6
9 18	0 5.36	−11 5.9	0.969	1.965	5.5	17.4
9 28	23 57.78	−12 54.0	0.967	1.950	8.0	17.5
10 8	23 50.81	−14 16.7	0.987	1.936	12.9	17.8
10 18	23 45.78	−15 5.6	1.027	1.924	17.7	18.0
10 28	23 43.66	−15 18.0	1.084	1.913	21.9	18.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
243315 2008 RP_{18}			9 23.2 299°.55		1°.0/25.3 18	
	h m	° ′			°	m
8 19	0 17.06	+ 6 47.4	4.332	5.143	7.4	20.4
8 29	0 13.46	+ 6 40.8	4.242	5.140	5.7	20.2
9 8	0 9.05	+ 6 27.5	4.177	5.136	3.8	20.1
9 18	0 4.11	+ 6 8.8	4.140	5.133	1.9	20.0
9 28	23 58.97	+ 5 46.4	4.133	5.130	1.2	19.9
10 8	23 54.00	+ 5 22.3	4.156	5.127	2.9	20.0
10 18	23 49.54	+ 4 58.8	4.208	5.124	4.9	20.2
10 28	23 45.90	+ 4 38.0	4.288	5.121	6.6	20.3
371531 2006 UC_{225}			9 23.2	17°.43	1°.0/23.8 15	
8 19	0 26.39	+ 1 52.6	0.985	1.873	20.6	19.7
8 29	0 22.64	+ 2 14.2	0.937	1.879	15.7	19.5
9 8	0 15.71	+ 2 19.6	0.906	1.887	10.0	19.2
9 18	0 6.57	+ 2 11.8	0.895	1.896	3.8	18.9
9 28	23 56.80	+ 1 57.2	0.907	1.907	2.8	18.9
10 8	23 48.12	+ 1 43.3	0.942	1.919	8.8	19.3
10 18	23 41.86	+ 1 36.8	0.998	1.933	14.2	19.6
10 28	23 38.88	+ 1 42.9	1.072	1.947	18.7	20.0
510195 2011 CH_{36}			9 23.2	219°.42	1°.4/21.9 18	
8 19	0 26.95	− 0 35.0	1.780	2.638	14.2	22.4
8 29	0 22.00	− 1 17.4	1.702	2.632	10.7	22.1
9 8	0 14.89	− 2 11.3	1.646	2.625	6.6	21.9
9 18	0 6.26	− 3 11.7	1.617	2.618	2.3	21.6
9 28	23 57.03	− 4 11.6	1.615	2.610	3.1	21.6
10 8	23 48.29	− 5 4.0	1.640	2.602	7.5	21.9
10 18	23 41.00	− 5 43.1	1.692	2.593	11.6	22.1
10 28	23 35.91	− 6 5.4	1.765	2.584	15.1	22.3
227338 2005 UX_{8}			9 23.3	298°.34	2°.6/21.2 18	
8 19	0 25.42	− 3 18.5	1.470	2.347	15.6	20.6
8 29	0 21.38	− 3 58.7	1.388	2.329	11.8	20.4
9 8	0 14.80	− 4 49.9	1.328	2.310	7.3	20.1
9 18	0 6.31	− 5 46.1	1.292	2.292	3.1	19.8
9 28	23 56.98	− 6 39.0	1.281	2.274	4.5	19.8
10 8	23 48.12	− 7 20.4	1.296	2.256	9.2	20.0
10 18	23 40.91	− 7 44.1	1.334	2.239	13.9	20.3
10 28	23 36.27	− 7 46.9	1.393	2.221	17.9	20.5
370548 2003 TV_{23}			9 23.3	352°.48	3°.9/25.9 17	
8 19	0 27.50	+ 9 2.1	1.265	2.114	19.4	21.1
8 29	0 23.20	+ 9 27.7	1.196	2.112	15.4	20.9
9 8	0 16.03	+ 9 32.4	1.145	2.110	10.8	20.6
9 18	0 6.75	+ 9 16.1	1.116	2.108	6.0	20.3
9 28	23 56.62	+ 8 42.8	1.111	2.107	4.1	20.2
10 8	23 47.19	+ 7 59.8	1.131	2.107	7.9	20.4
10 18	23 39.77	+ 7 16.0	1.174	2.107	12.7	20.7
10 28	23 35.33	+ 6 39.8	1.237	2.107	17.1	21.0
272544 2005 UO_{349}			9 23.3	66°.82	0°.2/23.1 18	
8 19	0 25.92	+ 0 37.8	2.055	2.904	13.0	20.1
8 29	0 20.83	+ 0 28.1	1.987	2.911	9.7	19.9
9 8	0 13.96	+ 0 9.5	1.942	2.917	6.1	19.7
9 18	0 5.89	− 0 14.8	1.923	2.924	2.1	19.5
9 28	23 57.45	− 0 40.6	1.932	2.931	2.0	19.5
10 8	23 49.51	− 1 3.4	1.970	2.937	5.9	19.8
10 18	23 42.86	− 1 19.4	2.034	2.944	9.5	20.0
10 28	23 38.09	− 1 25.4	2.123	2.951	12.6	20.2
438 Zeuxo			9 23.3	88°.96	3°.7/20.1 18	
8 19	0 28.00	− 7 35.1	1.667	2.540	14.3	13.7
8 29	0 22.71	− 8 17.3	1.610	2.547	10.6	13.5
9 8	0 15.25	− 9 3.5	1.575	2.555	6.7	13.3
9 18	0 6.35	− 9 47.4	1.566	2.562	3.9	13.2
9 28	23 57.06	−10 21.9	1.585	2.570	5.2	13.3
10 8	23 48.47	−10 41.6	1.629	2.577	8.9	13.5
10 18	23 41.53	−10 43.8	1.698	2.584	12.5	13.8
10 28	23 36.88	−10 27.8	1.789	2.591	15.6	14.0
210660 2000 QG_{23}			9 23.3	7°.97	3°.5/25.7 18	
8 19	0 19.76	+ 8 53.5	0.927	1.809	22.1	19.3
8 29	0 17.90	+ 8 58.0	0.874	1.809	17.4	19.0
9 8	0 12.92	+ 8 33.7	0.837	1.811	11.9	18.7
9 18	0 5.67	+ 7 43.0	0.819	1.815	6.2	18.4
9 28	23 57.65	+ 6 33.9	0.822	1.820	3.8	18.3
10 8	23 50.54	+ 5 18.9	0.846	1.827	8.7	18.6
10 18	23 45.74	+ 4 10.7	0.891	1.836	14.2	19.0
10 28	23 44.17	+ 3 19.4	0.954	1.846	19.0	19.3
389426 2010 CK_{17}			9 23.3	49°.47	5°.5/18.7 18	
8 19	0 27.29	−12 0.0	1.573	2.455	14.5	20.4
8 29	0 22.15	−12 51.8	1.531	2.471	10.9	20.2
9 8	0 14.85	−13 42.8	1.512	2.488	7.4	20.0
9 18	0 6.18	−14 25.5	1.517	2.505	5.5	19.9
9 28	23 57.25	−14 52.8	1.549	2.522	6.9	20.1
10 8	23 49.18	−15 0.4	1.606	2.540	10.1	20.3
10 18	23 42.85	−14 47.0	1.686	2.558	13.4	20.5
10 28	23 38.87	−14 13.8	1.787	2.576	16.2	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
206773 2004 CX_{64}			9 23.3	159°.53	3°.9/18.7 18	
	h m	° ′			°	m
8 19	0 25.21	−10 20.7	2.335	3.200	11.0	20.6
8 29	0 20.11	−11 18.5	2.273	3.206	8.2	20.4
9 8	0 13.43	−12 17.8	2.236	3.210	5.5	20.2
9 18	0 5.70	−13 13.0	2.227	3.215	3.9	20.1
9 28	23 57.65	−13 58.6	2.247	3.219	5.2	20.2
10 8	23 50.07	−14 30.2	2.294	3.223	7.8	20.4
10 18	23 43.65	−14 45.3	2.368	3.226	10.5	20.6
10 28	23 38.91	−14 43.4	2.464	3.228	12.9	20.8
363207 2001 UB_{163}			9 23.3	314°.16	3°.3/26.6 18	
8 19	0 20.67	+11 56.1	1.788	2.612	15.6	20.6
8 29	0 17.45	+11 41.8	1.694	2.594	12.5	20.4
9 8	0 12.17	+11 6.3	1.621	2.577	8.9	20.1
9 18	0 5.37	+10 10.8	1.572	2.560	5.2	19.9
9 28	23 57.89	+ 8 59.3	1.549	2.544	3.4	19.7
10 8	23 50.75	+ 7 39.1	1.552	2.528	6.3	19.9
10 18	23 44.90	+ 6 18.5	1.581	2.512	10.3	20.1
10 28	23 41.12	+ 5 5.8	1.634	2.497	14.0	20.3
133985 2004 TQ_{321}			9 23.3	230°.76	3°.3/20.2 18	
8 19	0 28.37	− 7 38.5	2.017	2.880	12.6	20.6
8 29	0 22.84	− 8 15.3	1.938	2.871	9.4	20.4
9 8	0 15.33	− 8 56.0	1.883	2.861	6.0	20.1
9 18	0 6.43	− 9 35.4	1.856	2.851	3.4	19.9
9 28	23 57.00	−10 7.5	1.856	2.841	4.6	20.0
10 8	23 48.02	−10 27.5	1.885	2.830	8.0	20.2
10 18	23 40.38	−10 32.1	1.939	2.819	11.5	20.4
10 28	23 34.76	−10 20.2	2.016	2.807	14.5	20.6
173680 2001 OZ_{45}			9 23.3	357°.57	1°.1/24.1 18	
8 19	0 22.58	+ 3 27.8	1.357	2.227	17.1	19.1
8 29	0 19.24	+ 3 31.6	1.289	2.222	13.1	18.9
9 8	0 13.42	+ 3 20.0	1.242	2.219	8.5	18.6
9 18	0 5.82	+ 2 56.1	1.217	2.217	3.4	18.3
9 28	23 57.57	+ 2 25.1	1.216	2.216	2.4	18.2
10 8	23 49.94	+ 1 54.1	1.241	2.216	7.4	18.5
10 18	23 44.06	+ 1 29.7	1.289	2.218	12.2	18.8
10 28	23 40.74	+ 1 17.3	1.357	2.221	16.3	19.1
418911 2009 BZ_{164}			9 23.3	201°.93	0°.4/23.6 17	
8 19	0 30.44	+ 3 21.4	1.697	2.540	15.5	21.9
8 29	0 24.76	+ 3 2.2	1.618	2.537	11.8	21.7
9 8	0 16.71	+ 2 28.8	1.560	2.533	7.6	21.4
9 18	0 6.96	+ 1 44.5	1.527	2.527	2.8	21.1
9 28	23 56.54	+ 0 55.0	1.522	2.522	2.2	21.1
10 8	23 46.65	+ 0 7.3	1.546	2.515	7.0	21.4
10 18	23 38.36	− 0 32.4	1.595	2.508	11.5	21.6
10 28	23 32.48	− 0 59.1	1.667	2.500	15.3	21.8
519258 2011 AL_{48}			9 23.3	280°.45	5°.4/16.7 17	
8 19	0 22.55	−14 51.0	2.303	3.177	10.8	21.7
8 29	0 18.27	−15 58.2	2.238	3.170	8.3	21.5
9 8	0 12.37	−17 4.3	2.197	3.164	6.2	21.4
9 18	0 5.37	−18 3.2	2.183	3.157	5.4	21.3
9 28	23 57.99	−18 48.8	2.196	3.150	6.7	21.4
10 8	23 51.02	−19 16.8	2.236	3.143	9.0	21.5
10 18	23 45.16	−19 25.1	2.300	3.137	11.6	21.7
10 28	23 40.98	−19 13.7	2.386	3.130	13.8	21.9
519820 2013 HT_{157}			9 23.3	173°.80	1°.4/21.3 18	
8 19	0 20.89	− 0 51.4	2.424	3.279	11.0	21.8
8 29	0 16.90	− 1 55.4	2.350	3.280	8.2	21.6
9 8	0 11.46	− 3 8.2	2.302	3.281	5.0	21.4
9 18	0 5.04	− 4 25.2	2.280	3.281	1.9	21.2
9 28	23 58.29	− 5 40.6	2.289	3.282	2.8	21.3
10 8	23 51.90	− 6 48.4	2.326	3.282	6.0	21.5
10 18	23 46.50	− 7 44.4	2.391	3.282	9.1	21.7
10 28	23 42.60	− 8 25.2	2.480	3.282	11.8	21.9
146945 2002 EC_{20}			9 23.3	149°.23	0°.1/23.3 18	
8 19	0 23.13	+ 2 39.7	2.680	3.515	10.7	21.1
8 29	0 18.39	+ 2 9.0	2.607	3.523	8.0	21.0
9 8	0 12.30	+ 1 29.3	2.558	3.530	5.0	20.8
9 18	0 5.32	+ 0 43.6	2.536	3.537	1.8	20.6
9 28	23 58.05	− 0 4.0	2.545	3.544	1.6	20.6
10 8	23 51.15	− 0 49.4	2.583	3.550	4.8	20.8
10 18	23 45.20	− 1 28.7	2.650	3.556	7.8	21.0
10 28	23 40.66	− 1 58.7	2.742	3.561	10.3	21.2
72878 2001 KD_{4}			9 23.3	342°.54	5°.6/17.3 18	
8 19	0 23.63	−14 57.7	2.084	2.961	11.7	18.2
8 29	0 19.19	−15 51.6	2.022	2.956	9.0	18.0
9 8	0 12.98	−16 43.6	1.984	2.953	6.6	17.8
9 18	0 5.59	−17 27.5	1.972	2.949	5.6	17.8
9 28	23 57.82	−17 57.2	1.987	2.946	6.9	17.8
10 8	23 50.54	−18 8.7	2.028	2.943	9.4	18.0
10 18	23 44.52	−18 0.5	2.093	2.940	12.1	18.2
10 28	23 40.35	−17 32.8	2.179	2.938	14.5	18.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
114101 2002 VU_{41}			9 23.3 305°.08		0°.7/23.8 18	
	h m	° ′			°	m
8 19	0 23.64	+ 4 29.4	1.394	2.257	17.1	19.8
8 29	0 20.18	+ 4 4.2	1.311	2.241	13.2	19.5
9 8	0 14.13	+ 3 19.8	1.248	2.225	8.5	19.2
9 18	0 6.13	+ 2 19.7	1.208	2.209	3.3	18.9
9 28	23 57.26	+ 1 11.2	1.194	2.193	2.5	18.8
10 8	23 48.84	+ 0 3.5	1.204	2.178	7.9	19.1
10 18	23 42.11	− 0 54.4	1.239	2.163	13.0	19.3
10 28	23 38.02	− 1 35.3	1.294	2.149	17.4	19.5
103544 2000 BC_{21}			9 23.3 221°.79		0°.9/24.1 17	
8 19	0 26.55	+ 4 59.9	1.623	2.471	15.9	20.8
8 29	0 21.90	+ 4 38.8	1.547	2.468	12.2	20.5
9 8	0 14.94	+ 4 1.3	1.493	2.465	7.9	20.3
9 18	0 6.34	+ 3 10.8	1.462	2.462	3.2	20.0
9 28	23 57.12	+ 2 13.1	1.459	2.458	2.2	19.9
10 8	23 48.43	+ 1 15.8	1.482	2.455	6.9	20.2
10 18	23 41.33	+ 0 26.1	1.531	2.451	11.4	20.5
10 28	23 36.58	− 0 10.3	1.603	2.447	15.2	20.7
77046 2001 CT_{43}			9 23.3 34°.53		16°.4/ 4.9 18	
8 19	0 24.22	−32 54.6	1.208	2.089	18.1	17.4
8 29	0 20.93	−35 57.5	1.198	2.097	16.7	17.4
9 8	0 14.57	−38 31.4	1.208	2.107	16.4	17.4
9 18	0 6.19	−40 21.8	1.238	2.117	17.3	17.5
9 28	23 57.36	−41 19.8	1.286	2.127	19.0	17.7
10 8	23 49.69	−41 25.1	1.350	2.138	20.8	17.8
10 18	23 44.40	−40 43.4	1.429	2.150	22.6	18.0
10 28	23 42.18	−39 23.3	1.518	2.162	24.1	18.2
269327 2008 SC_{278}			9 23.3 337°.29		1°.5/26.2 18	
8 19	0 16.53	+ 9 17.9	4.159	4.960	7.8	20.5
8 29	0 13.13	+ 9 9.0	4.069	4.958	6.1	20.4
9 8	0 8.91	+ 8 52.2	4.003	4.956	4.2	20.3
9 18	0 4.12	+ 8 28.6	3.965	4.953	2.4	20.1
9 28	23 59.13	+ 7 59.9	3.956	4.951	1.6	20.1
10 8	23 54.32	+ 7 28.5	3.977	4.949	3.0	20.2
10 18	23 50.03	+ 6 56.9	4.028	4.947	4.9	20.3
10 28	23 46.60	+ 6 27.6	4.105	4.945	6.8	20.4
483269 2015 TT_{183}			9 23.3 307°.40		0°.8/22.5 18	
8 19	0 23.34	− 0 7.4	2.012	2.869	12.9	21.1
8 29	0 19.09	− 0 33.1	1.931	2.860	9.7	20.8
9 8	0 13.01	− 1 8.4	1.874	2.852	6.0	20.6
9 18	0 5.64	− 1 49.7	1.842	2.843	2.0	20.3
9 28	23 57.76	− 2 31.7	1.837	2.835	2.4	20.4
10 8	23 50.29	− 3 8.9	1.861	2.827	6.4	20.6
10 18	23 44.02	− 3 36.8	1.911	2.819	10.2	20.8
10 28	23 39.62	− 3 51.8	1.984	2.811	13.4	21.0
36071 1999 RG_{56}			9 23.3 158°.51		3°.7/19.3 18	
8 19	0 24.60	− 6 31.1	1.940	2.810	12.7	19.1
8 29	0 19.98	− 7 48.4	1.878	2.815	9.4	18.9
9 8	0 13.51	− 9 11.8	1.840	2.819	6.0	18.7
9 18	0 5.78	−10 34.1	1.828	2.822	3.7	18.6
9 28	23 57.66	−11 47.6	1.845	2.825	5.2	18.7
10 8	23 50.07	−12 45.8	1.889	2.828	8.5	18.9
10 18	23 43.80	−13 24.6	1.959	2.831	11.7	19.1
10 28	23 39.48	−13 42.4	2.050	2.833	14.6	19.3
511265 2014 CP_{19}			9 23.3 188°.09		1°.2/21.9 18	
8 19	0 27.02	− 1 40.4	2.299	3.146	11.8	22.5
8 29	0 21.55	− 2 11.3	2.221	3.145	8.8	22.3
9 8	0 14.40	− 2 49.7	2.167	3.144	5.4	22.1
9 18	0 6.09	− 3 31.7	2.141	3.142	1.9	21.9
9 28	23 57.38	− 4 12.5	2.145	3.140	2.6	21.9
10 8	23 49.08	− 4 47.5	2.178	3.137	6.1	22.1
10 18	23 41.93	− 5 12.8	2.238	3.133	9.5	22.4
10 28	23 36.53	− 5 25.7	2.322	3.129	12.3	22.5
257979 2001 DA_{6}			9 23.3 176°.95		4°.4/16.5 18	
8 19	0 21.69	−13 33.0	2.799	3.667	9.3	20.5
8 29	0 17.33	−14 52.9	2.738	3.669	7.1	20.3
9 8	0 11.66	−16 12.7	2.703	3.670	5.1	20.2
9 18	0 5.11	−17 26.9	2.696	3.671	4.5	20.2
9 28	23 58.27	−18 30.1	2.719	3.671	5.6	20.2
10 8	23 51.76	−19 18.3	2.769	3.671	7.7	20.4
10 18	23 46.16	−19 49.2	2.845	3.671	9.9	20.5
10 28	23 41.93	−20 2.2	2.943	3.670	11.8	20.7
13892 1266 T_{-2}			9 23.3 38°.12		0°.8/23.8 18	
8 19	0 29.16	+ 2 43.2	1.371	2.231	17.5	17.7
8 29	0 24.11	+ 2 46.9	1.307	2.235	13.4	17.5
9 8	0 16.42	+ 2 36.2	1.264	2.240	8.5	17.2
9 18	0 6.87	+ 2 14.3	1.244	2.244	3.3	17.0
9 28	23 56.70	+ 1 46.6	1.250	2.249	2.4	16.9
10 8	23 47.30	+ 1 19.9	1.281	2.254	7.6	17.2
10 18	23 39.84	+ 1 0.3	1.337	2.260	12.4	17.5
10 28	23 35.14	+ 0 52.6	1.414	2.265	16.4	17.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
462660 2009 SV_{332}			9 23.3 11°.37		6°.1/27.6 18	
	h m	° ′			°	m
8 19	0 30.86	+13 37.0	1.763	2.562	16.8	19.5
8 29	0 25.09	+14 54.8	1.688	2.565	13.8	19.3
9 8	0 16.95	+15 56.2	1.634	2.569	10.5	19.1
9 18	0 7.07	+16 38.5	1.604	2.574	7.5	18.9
9 28	23 56.49	+17 1.1	1.601	2.579	6.1	18.9
10 8	23 46.42	+17 6.5	1.624	2.585	7.7	19.0
10 18	23 37.94	+16 59.6	1.673	2.592	10.6	19.2
10 28	23 31.88	+16 47.1	1.746	2.600	13.7	19.4
515722 2014 WE_{242}			9 23.3 149°.41		4°.9/30.8 18	
8 19	0 23.06	+21 44.0	2.968	3.697	12.2	21.4
8 29	0 18.36	+21 47.4	2.882	3.705	10.3	21.3
9 8	0 12.31	+21 33.8	2.818	3.713	8.2	21.2
9 18	0 5.35	+21 3.2	2.778	3.721	6.2	21.1
9 28	23 58.07	+20 16.9	2.766	3.728	5.0	21.0
10 8	23 51.11	+19 18.6	2.783	3.735	5.4	21.0
10 18	23 45.06	+18 12.9	2.828	3.741	7.0	21.1
10 28	23 40.40	+17 5.3	2.900	3.747	9.0	21.3
166373 2002 LX_{32}			9 23.3 46°.28		4°.1/18.9 17	
8 19	0 20.87	− 3 28.3	1.425	2.311	15.5	19.3
8 29	0 17.59	− 5 31.0	1.382	2.329	11.3	19.1
9 8	0 12.16	− 7 44.2	1.363	2.347	7.0	18.9
9 18	0 5.32	− 9 56.5	1.369	2.365	4.2	18.8
9 28	23 58.14	−11 55.3	1.402	2.384	6.2	19.0
10 8	23 51.73	−13 30.7	1.460	2.403	10.1	19.3
10 18	23 46.96	−14 37.2	1.542	2.423	13.8	19.6
10 28	23 44.44	−15 13.8	1.644	2.443	17.0	19.8
382058 2011 EC_{18}			9 23.3 138°.82		0°.2/23.4 16	
8 19	0 31.22	+ 1 22.3	1.803	2.647	14.7	21.1
8 29	0 25.06	+ 1 20.1	1.734	2.655	11.1	20.9
9 8	0 16.74	+ 1 7.6	1.688	2.662	7.0	20.7
9 18	0 6.95	+ 0 47.7	1.668	2.669	2.5	20.4
9 28	23 56.69	+ 0 25.0	1.677	2.676	2.1	20.4
10 8	23 47.07	+ 0 4.4	1.713	2.682	6.6	20.7
10 18	23 39.03	− 0 9.6	1.777	2.688	10.6	21.0
10 28	23 33.26	− 0 13.6	1.864	2.693	14.0	21.2
424363 2007 VB_{189}			9 23.3 316°.56		2°.3/24.8 18	
8 19	0 23.24	+ 6 26.8	1.147	2.018	19.5	20.8
8 29	0 20.47	+ 6 30.1	1.064	1.996	15.4	20.5
9 8	0 14.68	+ 6 11.3	1.000	1.974	10.4	20.1
9 18	0 6.44	+ 5 31.7	0.955	1.954	4.9	19.8
9 28	23 57.01	+ 4 36.8	0.934	1.934	3.1	19.6
10 8	23 48.01	+ 3 36.2	0.936	1.914	8.7	19.9
10 18	23 40.98	+ 2 40.7	0.959	1.896	14.5	20.1
10 28	23 37.10	+ 1 59.7	1.002	1.879	19.6	20.4
328173 2008 CM_{215}			9 23.3 96°.28		5°.1/18.9 18	
8 19	0 27.63	− 9 0.4	1.474	2.356	15.3	20.2
8 29	0 22.69	−10 12.4	1.424	2.365	11.4	20.0
9 8	0 15.37	−11 28.4	1.396	2.374	7.5	19.8
9 18	0 6.47	−12 39.2	1.392	2.383	5.1	19.7
9 28	23 57.15	−13 35.6	1.415	2.392	6.8	19.9
10 8	23 48.65	−14 11.0	1.462	2.401	10.5	20.1
10 18	23 41.97	−14 22.5	1.533	2.410	14.2	20.3
10 28	23 37.79	−14 10.0	1.624	2.418	17.3	20.6
199914 2007 GW_{22}			9 23.3 41°.82		2°.6/25.7 16	
8 19	0 22.31	+10 34.3	1.331	2.178	18.7	19.6
8 29	0 18.87	+ 9 57.1	1.279	2.195	14.6	19.4
9 8	0 13.06	+ 8 54.7	1.247	2.213	9.9	19.1
9 18	0 5.67	+ 7 31.8	1.237	2.232	4.9	18.9
9 28	23 57.88	+ 5 56.8	1.252	2.251	2.9	18.8
10 8	23 50.91	+ 4 20.8	1.293	2.271	7.0	19.2
10 18	23 45.75	+ 2 54.0	1.359	2.291	11.5	19.5
10 28	23 43.06	+ 1 44.4	1.446	2.311	15.4	19.8
104317 2000 FD_{2}			9 23.3 189°.58		0°.5/23.8 18	
8 19	0 25.09	+ 5 12.3	1.766	2.610	14.9	20.2
8 29	0 20.61	+ 4 28.2	1.690	2.610	11.4	20.0
9 8	0 14.05	+ 3 27.3	1.636	2.609	7.3	19.8
9 18	0 6.04	+ 2 13.8	1.608	2.608	2.8	19.5
9 28	23 57.50	+ 0 54.6	1.607	2.607	2.1	19.5
10 8	23 49.46	− 0 22.3	1.634	2.605	6.6	19.7
10 18	23 42.86	− 1 29.3	1.688	2.602	10.8	20.0
10 28	23 38.39	− 2 21.0	1.764	2.600	14.4	20.2
277008 2004 XV_{130}			9 23.3 187°.81		18°.0/ 7.5 18	
8 19	0 41.00	−39 26.0	1.301	2.137	19.7	20.6
8 29	0 33.73	−41 33.5	1.278	2.137	18.5	20.5
9 8	0 22.63	−43 10.1	1.272	2.137	18.0	20.5
9 18	0 9.04	−44 1.6	1.285	2.136	18.6	20.5
9 28	23 54.99	−43 59.4	1.315	2.134	19.8	20.6
10 8	23 42.59	−43 4.2	1.363	2.132	21.5	20.8
10 18	23 33.34	−41 23.5	1.425	2.129	23.3	20.9
10 28	23 28.01	−39 7.8	1.499	2.126	24.9	21.1

99900 2002 QL_{32} 9 23.3 194°.11 0°.8/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 28.64	+ 3 37.4	2.352	3.179	12.3	19.8
8 29	0 22.79	+ 3 35.3	2.267	3.177	9.4	19.6
9 8	0 15.21	+ 3 23.4	2.206	3.174	6.0	19.4
9 18	0 6.42	+ 3 3.8	2.173	3.171	2.4	19.2
9 28	23 57.18	+ 2 39.6	2.168	3.167	1.7	19.1
10 8	23 48.32	+ 2 15.1	2.194	3.163	5.3	19.3
10 18	23 40.60	+ 1 54.0	2.248	3.159	8.7	19.6
10 28	23 34.63	+ 1 39.9	2.328	3.153	11.7	19.7

291966 2006 QV_{60} 9 23.3 350°.29 1°.6/22.2 18

8 19	0 17.19	+ 0 9.1	0.913	1.822	19.9	19.5
8 29	0 16.10	− 0 23.1	0.854	1.810	15.1	19.2
9 8	0 11.92	− 1 15.1	0.812	1.800	9.4	18.8
9 18	0 5.44	− 2 19.6	0.789	1.792	3.2	18.5
9 28	23 58.05	− 3 25.3	0.787	1.786	4.2	18.5
10 8	23 51.43	− 4 19.4	0.806	1.782	10.4	18.9
10 18	23 47.03	− 4 52.6	0.845	1.780	16.2	19.2
10 28	23 45.84	− 4 59.6	0.901	1.780	21.1	19.5

482179 2010 UN_{30} 9 23.3 7°.55 5°.7/19.3 18

8 19	0 28.52	−13 48.4	1.555	2.437	14.7	19.9
8 29	0 23.30	−14 8.7	1.500	2.438	11.2	19.7
9 8	0 15.73	−14 25.9	1.466	2.440	7.8	19.5
9 18	0 6.61	−14 33.7	1.456	2.444	5.7	19.4
9 28	23 57.08	−14 26.2	1.473	2.448	7.0	19.5
10 8	23 48.34	−14 0.1	1.514	2.453	10.2	19.7
10 18	23 41.40	−13 15.1	1.580	2.459	13.7	19.9
10 28	23 36.93	−12 13.0	1.666	2.466	16.7	20.2

515634 2014 MR_{3} 9 23.3 52°.63 5°.3/29.5 18

8 19	0 22.09	+18 42.0	1.935	2.716	16.1	20.9
8 29	0 18.25	+18 35.6	1.860	2.723	13.4	20.7
9 8	0 12.52	+18 5.6	1.804	2.731	10.2	20.5
9 18	0 5.50	+17 12.4	1.772	2.738	7.2	20.4
9 28	23 58.02	+15 59.4	1.766	2.746	5.4	20.3
10 8	23 51.05	+14 33.2	1.787	2.755	6.4	20.4
10 18	23 45.40	+13 2.0	1.834	2.763	9.2	20.5
10 28	23 41.71	+11 34.4	1.906	2.771	12.2	20.7

388236 2006 KZ_{18} 9 23.3 51°.29 4°.6/18.4 18 R

8 19	0 21.72	− 6 20.1	1.604	2.488	14.2	20.1
8 29	0 18.14	− 8 5.9	1.551	2.496	10.4	19.9
9 8	0 12.50	− 9 59.3	1.523	2.504	6.7	19.7
9 18	0 5.48	−11 50.5	1.520	2.513	4.6	19.6
9 28	23 58.06	−13 29.0	1.544	2.521	6.4	19.7
10 8	23 51.28	−14 46.4	1.594	2.530	10.0	20.0
10 18	23 46.00	−15 37.9	1.668	2.539	13.5	20.2
10 28	23 42.86	−16 2.4	1.762	2.549	16.4	20.4

101176 1998 SE_{7} 9 23.3 73°.73 0°.1/23.4 17

8 19	0 28.40	+ 3 28.3	1.408	2.266	17.3	19.6
8 29	0 23.22	+ 2 53.8	1.361	2.289	13.0	19.4
9 8	0 15.65	+ 2 3.3	1.335	2.311	8.1	19.2
9 18	0 6.56	+ 1 2.3	1.333	2.334	2.9	19.0
9 28	23 57.16	− 0 1.3	1.357	2.356	2.4	19.0
10 8	23 48.67	− 0 59.0	1.407	2.378	7.4	19.4
10 18	23 42.09	− 1 44.4	1.483	2.400	11.8	19.7
10 28	23 38.06	− 2 13.1	1.580	2.422	15.5	20.0

1809 Prometheus 9 23.3 22°.80 1°.9/21.4 18 R

8 19	0 23.01	− 2 31.2	1.778	2.648	13.7	15.8
8 29	0 18.94	− 3 13.2	1.715	2.652	10.2	15.5
9 8	0 12.95	− 4 4.1	1.675	2.656	6.2	15.3
9 18	0 5.64	− 4 58.3	1.659	2.660	2.5	15.1
9 28	23 57.93	− 5 49.3	1.672	2.665	3.5	15.2
10 8	23 50.76	− 6 30.7	1.710	2.670	7.4	15.4
10 18	23 44.99	− 6 58.1	1.775	2.676	11.2	15.7
10 28	23 41.24	− 7 8.8	1.861	2.682	14.4	15.9

127389 2002 LW_{6} 9 23.3 353°.43 1°.8/25.4 18

8 19	0 19.87	+ 9 5.5	2.034	2.864	13.8	19.2
8 29	0 16.48	+ 8 29.9	1.954	2.862	10.7	19.0
9 8	0 11.38	+ 7 37.0	1.896	2.860	7.2	18.8
9 18	0 5.10	+ 6 29.8	1.864	2.859	3.5	18.6
9 28	23 58.39	+ 5 13.3	1.859	2.858	2.1	18.5
10 8	23 52.08	+ 3 54.5	1.882	2.857	5.4	18.7
10 18	23 46.92	+ 2 40.3	1.932	2.856	9.1	18.9
10 28	23 43.52	+ 1 36.9	2.007	2.856	12.4	19.1

461839 2006 DB_{133} 9 23.3 83°.58 1°.5/22.2 17

8 19	0 30.98	− 0 49.7	1.296	2.166	17.8	21.5
8 29	0 25.34	− 1 24.4	1.250	2.185	13.2	21.3
9 8	0 17.07	− 2 11.5	1.223	2.204	8.1	21.0
9 18	0 7.08	− 3 4.2	1.221	2.222	2.8	20.8
9 28	23 56.73	− 3 54.1	1.244	2.241	3.6	20.9
10 8	23 47.40	− 4 33.4	1.293	2.259	8.6	21.2
10 18	23 40.19	− 4 57.0	1.366	2.276	13.2	21.5
10 28	23 35.80	− 5 2.1	1.460	2.294	17.0	21.8

118650 2000 JQ_{33} 9 23.3 143°.68 0°.7/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.58	+ 0 37.5	1.694	2.550	14.9	19.8
8 29	0 22.49	+ 0 8.7	1.626	2.554	11.2	19.6
9 8	0 15.22	− 0 31.8	1.580	2.558	6.9	19.3
9 18	0 6.46	− 1 19.4	1.560	2.562	2.3	19.1
9 28	23 57.21	− 2 7.9	1.567	2.565	2.6	19.1
10 8	23 48.57	− 2 50.6	1.602	2.568	7.2	19.4
10 18	23 41.49	− 3 22.2	1.662	2.571	11.3	19.7
10 28	23 36.68	− 3 39.0	1.745	2.574	14.8	19.9

366113 2012 DV_{27} 9 23.3 163°.69 1°.8/20.9 18

8 19	0 20.97	− 2 18.5	2.532	3.388	10.6	21.2
8 29	0 16.92	− 3 22.1	2.460	3.391	7.8	21.1
9 8	0 11.47	− 4 33.0	2.414	3.393	4.7	20.9
9 18	0 5.10	− 5 46.7	2.395	3.395	2.0	20.7
9 28	23 58.42	− 6 57.6	2.406	3.397	3.0	20.8
10 8	23 52.09	− 8 0.4	2.447	3.399	6.0	21.0
10 18	23 46.70	− 8 51.0	2.514	3.400	8.9	21.2
10 28	23 42.77	− 9 26.7	2.606	3.401	11.5	21.3

71120 1999 XJ_{162} 9 23.3 307°.07 1°.2/22.5 18

8 19	0 28.91	− 2 28.2	1.591	2.456	15.3	19.1
8 29	0 24.03	− 2 26.8	1.496	2.429	11.6	18.8
9 8	0 16.56	− 2 33.2	1.422	2.402	7.3	18.5
9 18	0 7.06	− 2 43.8	1.373	2.375	2.6	18.1
9 28	23 56.58	− 2 53.8	1.351	2.348	3.1	18.1
10 8	23 46.40	− 2 57.5	1.355	2.322	8.1	18.4
10 18	23 37.77	− 2 50.7	1.384	2.296	12.9	18.6
10 28	23 31.69	− 2 30.4	1.435	2.271	17.1	18.8

9886 Aoyagi 9 23.3 308°.29 2°.2/21.7 18

8 19	0 25.29	− 2 24.5	1.382	2.261	16.3	18.0
8 29	0 21.48	− 2 56.2	1.301	2.242	12.3	17.7
9 8	0 15.01	− 3 39.9	1.241	2.223	7.7	17.4
9 18	0 6.51	− 4 29.9	1.203	2.205	3.0	17.0
9 28	23 57.11	− 5 18.2	1.191	2.186	4.1	17.1
10 8	23 48.17	− 5 56.1	1.204	2.169	9.2	17.3
10 18	23 40.98	− 6 17.5	1.240	2.151	14.2	17.5
10 28	23 36.48	− 6 18.5	1.296	2.135	18.4	17.8

409224 2003 YK_{34} 9 23.3 319°.47 1°.2/24.4 16

8 19	0 22.88	+ 5 51.9	1.893	2.735	14.2	21.4
8 29	0 19.33	+ 5 33.4	1.766	2.683	11.2	21.1
9 8	0 13.59	+ 4 58.3	1.661	2.632	7.5	20.7
9 18	0 6.04	+ 4 7.9	1.581	2.580	3.3	20.4
9 28	23 57.43	+ 3 6.3	1.528	2.527	2.1	20.2
10 8	23 48.79	+ 2 0.1	1.502	2.475	6.7	20.4
10 18	23 41.18	+ 0 56.9	1.502	2.423	11.4	20.5
10 28	23 35.61	+ 0 4.1	1.525	2.371	15.8	20.7

70813 1999 VR_{69} 9 23.3 338°.03 5°.5/19.4 18

8 19	0 26.49	−10 58.3	1.370	2.259	15.8	18.3
8 29	0 22.25	−11 33.4	1.303	2.248	12.0	18.1
9 8	0 15.37	−12 10.0	1.258	2.237	8.1	17.8
9 18	0 6.58	−12 40.3	1.235	2.227	5.5	17.6
9 28	23 57.11	−12 56.1	1.238	2.218	7.1	17.7
10 8	23 48.31	−12 51.8	1.264	2.210	11.0	17.9
10 18	23 41.39	−12 24.9	1.313	2.203	15.1	18.1
10 28	23 37.19	−11 36.3	1.381	2.197	18.7	18.4

273694 2007 EE_{38} 9 23.3 107°.11 0°.7/23.9 18

8 19	0 25.44	+ 5 4.7	1.663	2.511	15.6	20.9
8 29	0 20.92	+ 4 32.1	1.596	2.517	11.9	20.6
9 8	0 14.26	+ 3 43.2	1.550	2.523	7.6	20.4
9 18	0 6.14	+ 2 42.1	1.530	2.529	3.0	20.1
9 28	23 57.53	+ 1 35.2	1.536	2.535	2.1	20.1
10 8	23 49.53	+ 0 30.4	1.569	2.541	6.7	20.4
10 18	23 43.06	− 0 25.3	1.628	2.547	10.9	20.7
10 28	23 38.83	− 1 6.6	1.710	2.552	14.5	20.9

238582 2004 XV_{164} 9 23.3 287°.22 2°.8/25.3 18

8 19	0 29.15	+ 7 6.2	1.720	2.552	15.8	20.0
8 29	0 23.99	+ 7 32.2	1.628	2.536	12.5	19.7
9 8	0 16.41	+ 7 44.1	1.557	2.520	8.6	19.5
9 18	0 6.99	+ 7 42.3	1.511	2.504	4.5	19.2
9 28	23 56.70	+ 7 29.1	1.491	2.488	3.1	19.1
10 8	23 46.76	+ 7 9.0	1.499	2.472	6.8	19.3
10 18	23 38.29	+ 6 47.6	1.532	2.456	11.1	19.5
10 28	23 32.22	+ 6 30.8	1.589	2.440	15.0	19.7

402169 2004 RW_{329} 9 23.3 324°.24 4°.6/27.7 17

8 19	0 22.78	+13 58.4	1.912	2.718	15.4	21.3
8 29	0 18.96	+14 17.0	1.821	2.705	12.6	21.1
9 8	0 13.12	+14 16.8	1.751	2.693	9.4	20.9
9 18	0 5.79	+13 57.4	1.704	2.681	6.2	20.7
9 28	23 57.80	+13 21.0	1.682	2.670	4.6	20.6
10 8	23 50.15	+12 32.2	1.688	2.659	6.4	20.7
10 18	23 43.76	+11 37.8	1.719	2.648	9.7	20.8
10 28	23 39.38	+10 44.9	1.775	2.638	13.1	21.0

84888 2003 MA_9 9 23.3 27.°65 1.°2/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 20.32	+ 7 30.1	1.979	2.816	13.8	19.4
8 29	0 16.81	+ 6 48.6	1.907	2.821	10.6	19.2
9 8	0 11.58	+ 5 50.7	1.858	2.826	7.0	19.0
9 18	0 5.18	+ 4 39.9	1.834	2.831	3.1	18.8
9 28	23 58.40	+ 3 22.3	1.838	2.837	1.8	18.7
10 8	23 52.07	+ 2 4.8	1.869	2.843	5.6	19.0
10 18	23 46.94	+ 0 54.1	1.928	2.849	9.3	19.2
10 28	23 43.60	− 0 4.1	2.011	2.856	12.5	19.4

147941 4134 $T\text{-}_2$ 9 23.3 18.°03 1.°3/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.79	− 0 33.6	0.999	1.895	19.7	19.3
8 29	0 20.64	− 0 51.4	0.953	1.902	14.8	19.0
9 8	0 14.49	− 1 24.0	0.925	1.910	9.1	18.7
9 18	0 6.27	− 2 5.1	0.917	1.920	3.1	18.4
9 28	23 57.49	− 2 45.3	0.933	1.931	3.7	18.5
10 8	23 49.74	− 3 15.6	0.970	1.943	9.5	18.9
10 18	23 44.28	− 3 29.6	1.029	1.957	14.7	19.2
10 28	23 41.90	− 3 24.2	1.107	1.972	19.0	19.6

292754 2006 UH_{184} 9 23.3 347.°64 5.°1/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.65	− 8 5.7	1.186	2.082	17.3	20.0
8 29	0 21.88	− 8 57.5	1.128	2.077	13.0	19.7
9 8	0 15.24	− 9 55.5	1.089	2.072	8.4	19.4
9 18	0 6.57	−10 50.5	1.072	2.068	5.2	19.3
9 28	23 57.19	−11 32.1	1.080	2.065	7.0	19.4
10 8	23 48.63	−11 52.5	1.110	2.063	11.5	19.6
10 18	23 42.14	−11 47.9	1.162	2.061	16.0	19.9
10 28	23 38.60	−11 18.1	1.233	2.061	19.8	20.1

383485 2007 BW_{23} 9 23.3 167.°76 2.°2/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.68	+ 7 39.0	1.686	2.520	16.0	21.7
8 29	0 22.69	+ 7 34.9	1.611	2.521	12.5	21.5
9 8	0 15.44	+ 7 13.6	1.558	2.523	8.4	21.3
9 18	0 6.60	+ 6 37.3	1.529	2.524	4.1	21.0
9 28	23 57.17	+ 5 50.4	1.526	2.525	2.6	20.9
10 8	23 48.29	+ 4 59.7	1.551	2.525	6.5	21.2
10 18	23 40.98	+ 4 12.1	1.602	2.526	10.7	21.4
10 28	23 35.98	+ 3 33.8	1.677	2.526	14.4	21.6

139676 2001 QQ_{204} 9 23.3 261.°02 4.°2/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.84	+13 58.9	2.113	2.908	14.5	20.0
8 29	0 20.32	+14 9.1	2.019	2.898	11.8	19.8
9 8	0 13.88	+14 1.7	1.947	2.887	8.7	19.5
9 18	0 6.05	+13 36.4	1.899	2.876	5.7	19.3
9 28	23 57.62	+12 55.5	1.878	2.865	4.2	19.2
10 8	23 49.49	+12 3.7	1.884	2.854	6.0	19.3
10 18	23 42.55	+11 7.2	1.918	2.843	9.1	19.5
10 28	23 37.50	+10 12.6	1.977	2.831	12.3	19.7

66196 1999 AE_{34} 9 23.3 178.°99 2.°4/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.49	− 2 26.0	1.659	2.522	14.8	19.8
8 29	0 23.26	− 3 25.4	1.591	2.524	11.0	19.6
9 8	0 15.76	− 4 35.6	1.545	2.525	6.8	19.4
9 18	0 6.70	− 5 49.9	1.526	2.526	2.9	19.1
9 28	23 57.09	− 7 0.0	1.534	2.526	4.1	19.2
10 8	23 48.10	− 7 58.0	1.569	2.525	8.4	19.5
10 18	23 40.72	− 8 38.4	1.630	2.523	12.5	19.7
10 28	23 35.69	− 8 58.4	1.712	2.521	15.9	19.9

166290 2002 HK_4 9 23.3 56.°22 1.°9/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.50	+10 36.1	1.525	2.362	17.2	19.5
8 29	0 18.73	+ 9 34.6	1.472	2.384	13.3	19.3
9 8	0 12.86	+ 8 9.8	1.440	2.406	8.9	19.1
9 18	0 5.64	+ 6 27.0	1.432	2.428	4.2	18.9
9 28	23 58.08	+ 4 35.4	1.451	2.450	2.3	18.8
10 8	23 51.28	+ 2 45.6	1.497	2.473	6.4	19.1
10 18	23 46.10	+ 1 7.2	1.570	2.496	10.7	19.4
10 28	23 43.13	− 0 12.6	1.665	2.518	14.3	19.7

165020 2000 CB_{126} 9 23.3 193.°97 3.°0/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.06	− 6 14.4	2.112	2.977	12.0	20.3
8 29	0 20.26	− 7 7.5	2.042	2.976	8.9	20.1
9 8	0 13.70	− 8 5.9	1.995	2.974	5.6	19.9
9 18	0 5.94	− 9 4.1	1.976	2.972	3.1	19.8
9 28	23 57.77	− 9 55.9	1.985	2.970	4.4	19.8
10 8	23 50.05	−10 35.8	2.022	2.968	7.6	20.0
10 18	23 43.55	−11 0.4	2.085	2.965	10.8	20.2
10 28	23 38.87	−11 7.8	2.171	2.962	13.6	20.4

348059 2003 UM_{236} 9 23.3 291.°73 7.°2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.87	−17 1.1	1.742	2.619	13.6	20.6
8 29	0 22.90	−18 2.4	1.670	2.602	10.7	20.4
9 8	0 15.62	−19 0.9	1.621	2.585	8.2	20.2
9 18	0 6.69	−19 48.1	1.597	2.568	7.3	20.1
9 28	23 57.11	−20 15.9	1.598	2.552	8.8	20.1
10 8	23 48.07	−20 19.5	1.625	2.535	11.7	20.3
10 18	23 40.60	−19 57.1	1.674	2.518	14.8	20.5
10 28	23 35.48	−19 10.4	1.743	2.502	17.7	20.6

173076 2006 UV_{50} 9 23.3 261.°78 1.°3/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 23.78	+ 6 13.1	2.023	2.858	13.7	20.6
8 29	0 19.46	+ 5 54.0	1.940	2.852	10.6	20.4
9 8	0 13.31	+ 5 20.5	1.879	2.847	6.9	20.2
9 18	0 5.85	+ 4 35.3	1.844	2.842	3.1	19.9
9 28	23 57.88	+ 3 42.8	1.837	2.836	1.9	19.8
10 8	23 50.31	+ 2 49.0	1.858	2.831	5.7	20.1
10 18	23 43.95	+ 1 59.8	1.906	2.825	9.5	20.3
10 28	23 39.46	+ 1 20.1	1.977	2.819	12.8	20.5

510015 2009 YL_{11} 9 23.3 290.°72 8.°1/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.91	+20 36.1	1.667	2.441	18.6	21.4
8 29	0 22.51	+21 26.2	1.580	2.432	15.9	21.2
9 8	0 15.61	+21 52.0	1.510	2.422	12.9	21.0
9 18	0 6.76	+21 50.1	1.462	2.413	9.9	20.8
9 28	23 57.02	+21 20.0	1.437	2.403	8.2	20.7
10 8	23 47.65	+20 26.1	1.438	2.394	8.9	20.7
10 18	23 39.86	+19 16.2	1.463	2.385	11.6	20.8
10 28	23 34.61	+18 0.6	1.511	2.376	14.8	21.0

352173 2007 RF_{81} 9 23.3 341.°12 7.°9/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.37	+21 14.2	1.305	2.115	21.1	20.1
8 29	0 14.22	+21 21.8	1.220	2.098	18.0	19.9
9 8	0 10.58	+20 54.0	1.152	2.082	14.4	19.6
9 18	0 5.01	+19 47.8	1.102	2.067	10.7	19.4
9 28	23 58.58	+18 5.4	1.075	2.054	8.1	19.2
10 8	23 52.61	+15 56.3	1.070	2.043	8.8	19.2
10 18	23 48.34	+13 34.7	1.088	2.033	12.2	19.4
10 28	23 46.72	+11 16.6	1.129	2.024	16.3	19.6

375162 2008 CM_{159} 9 23.3 270.°31 2.°3/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.09	− 2 43.7	1.562	2.430	15.4	21.7
8 29	0 23.39	− 3 24.7	1.474	2.409	11.6	21.5
9 8	0 16.15	− 4 17.2	1.408	2.388	7.2	21.2
9 18	0 6.95	− 5 15.5	1.366	2.367	2.9	20.9
9 28	23 56.86	− 6 11.7	1.351	2.345	4.2	20.9
10 8	23 47.16	− 6 57.5	1.363	2.323	8.9	21.1
10 18	23 39.04	− 7 26.7	1.399	2.300	13.6	21.3
10 28	23 33.47	− 7 35.7	1.456	2.277	17.6	21.5

288218 2003 YC_{42} 9 23.3 202.°13 2.°7/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.86	− 4 13.3	1.900	2.761	13.3	21.9
8 29	0 22.59	− 5 9.2	1.825	2.757	9.9	21.7
9 8	0 15.29	− 6 13.3	1.774	2.753	6.2	21.4
9 18	0 6.55	− 7 19.6	1.749	2.747	2.9	21.2
9 28	23 57.28	− 8 20.8	1.752	2.741	4.2	21.3
10 8	23 48.50	− 9 10.3	1.784	2.735	8.0	21.5
10 18	23 41.11	− 9 43.6	1.841	2.727	11.7	21.7
10 28	23 35.81	− 9 58.2	1.921	2.719	14.9	21.9

95473 2002 EX_2 9 23.3 242.°57 9.°1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.18	−24 15.2	2.009	2.873	12.6	19.4
8 29	0 22.94	−25 51.8	1.948	2.859	10.6	19.2
9 8	0 15.55	−27 20.6	1.911	2.845	9.3	19.1
9 18	0 6.65	−28 32.5	1.899	2.830	9.4	19.1
9 28	23 57.19	−29 19.5	1.913	2.814	10.8	19.1
10 8	23 48.25	−29 37.3	1.950	2.799	13.0	19.2
10 18	23 40.76	−29 25.5	2.009	2.782	15.3	19.4
10 28	23 35.46	−28 46.3	2.085	2.765	17.3	19.5

352589 2008 EG_{21} 9 23.3 123.°75 0.°9/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.56	+ 4 13.1	2.327	3.156	12.3	20.6
8 29	0 21.19	+ 4 9.8	2.254	3.165	9.4	20.4
9 8	0 14.19	+ 3 56.4	2.205	3.173	6.1	20.2
9 18	0 6.12	+ 3 34.9	2.183	3.181	2.5	20.0
9 28	23 57.69	+ 3 8.8	2.190	3.189	1.7	19.9
10 8	23 49.70	+ 2 42.1	2.226	3.197	5.1	20.2
10 18	23 42.87	+ 2 18.9	2.291	3.204	8.4	20.4
10 28	23 37.73	+ 2 2.5	2.380	3.212	11.3	20.6

384833 2012 RW_{35} 9 23.3 100.°64 1.°5/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 31.88	− 3 22.0	1.769	2.625	14.4	20.4
8 29	0 25.51	− 3 30.8	1.710	2.638	10.7	20.2
9 8	0 17.01	− 3 45.9	1.673	2.651	6.6	20.0
9 18	0 7.11	− 4 3.2	1.663	2.664	2.4	19.8
9 28	23 56.85	− 4 17.8	1.682	2.677	3.1	19.9
10 8	23 47.34	− 4 25.2	1.728	2.689	7.2	20.2
10 18	23 39.47	− 4 22.6	1.800	2.702	11.0	20.4
10 28	23 33.90	− 4 7.9	1.896	2.714	14.3	20.7

325641 2009 SW_{307} 9 23.3 213.°55 1.°0/25.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.45	+ 7 18.2	4.618	5.425	7.0	21.3
8 29	0 13.03	+ 7 6.3	4.528	5.423	5.4	21.2
9 8	0 8.87	+ 6 47.8	4.463	5.421	3.6	21.1
9 18	0 4.21	+ 6 24.0	4.426	5.419	1.8	20.9
9 28	23 59.38	+ 5 56.5	4.420	5.417	1.1	20.9
10 8	23 54.70	+ 5 27.4	4.443	5.415	2.7	21.0
10 18	23 50.49	+ 4 59.0	4.496	5.412	4.6	21.1
10 28	23 47.03	+ 4 33.2	4.577	5.410	6.2	21.3

89197 2001 UN_{82} 9 23.3 255°.30 1°.0/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 24.27	− 0 33.9	2.049	2.905	12.7	19.9
8 29	0 19.75	− 1 4.8	1.974	2.902	9.5	19.7
9 8	0 13.44	− 1 45.0	1.921	2.899	5.9	19.5
9 18	0 5.89	− 2 30.3	1.895	2.897	2.0	19.2
9 28	23 57.89	− 3 15.4	1.897	2.894	2.5	19.3
10 8	23 50.33	− 3 54.9	1.928	2.891	6.4	19.5
10 18	23 43.99	− 4 24.4	1.984	2.889	10.0	19.7
10 28	23 39.48	− 4 40.6	2.064	2.886	13.1	19.9

476613 2008 SV_{137} 9 23.3 332°.06 1°.8/21.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.93	− 1 33.0	1.313	2.197	16.7	21.8
8 29	0 19.74	− 2 1.4	1.238	2.181	12.6	21.5
9 8	0 13.94	− 2 42.7	1.183	2.167	7.8	21.2
9 18	0 6.18	− 3 31.2	1.151	2.153	2.8	20.9
9 28	23 57.60	− 4 18.9	1.144	2.141	3.8	20.9
10 8	23 49.56	− 4 57.2	1.161	2.129	9.0	21.2
10 18	23 43.29	− 5 19.6	1.200	2.118	14.0	21.4
10 28	23 39.71	− 5 21.9	1.260	2.108	18.2	21.7

326886 2003 WD 9 23.3 335°.58 1°.1/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.95	− 0 56.5	2.043	2.903	12.6	20.9
8 29	0 18.05	− 1 27.4	1.965	2.897	9.4	20.7
9 8	0 12.40	− 2 7.2	1.911	2.890	5.8	20.5
9 18	0 5.54	− 2 52.0	1.883	2.884	2.0	20.2
9 28	23 58.22	− 3 36.5	1.882	2.878	2.6	20.3
10 8	23 51.30	− 4 15.1	1.909	2.873	6.4	20.5
10 18	23 45.54	− 4 43.4	1.962	2.868	10.0	20.7
10 28	23 41.58	− 4 58.3	2.039	2.864	13.2	20.9

23983 1999 NS_{11} 9 23.3 347°.99 5°.7/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 5.52	− 3 31.9	0.743	1.681	19.6	16.6
8 29	0 7.61	− 5 11.3	0.686	1.659	14.6	16.2
9 8	0 6.82	− 7 15.1	0.646	1.640	9.2	15.8
9 18	0 3.76	− 9 28.6	0.624	1.624	5.7	15.6
9 28	23 59.76	−11 31.1	0.620	1.610	8.8	15.7
10 8	23 56.49	−13 3.0	0.635	1.601	14.6	16.0
10 18	23 55.36	−13 52.1	0.666	1.595	20.2	16.2
10 28	23 57.39	−13 54.7	0.711	1.592	24.9	16.5

166000 2002 AO_{47} 9 23.3 192°.16 1°.2/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.41	+ 0 47.1	1.525	2.388	16.0	20.4
8 29	0 22.68	− 0 2.7	1.455	2.387	12.0	20.1
9 8	0 15.54	− 1 7.3	1.407	2.386	7.4	19.9
9 18	0 6.69	− 2 20.6	1.383	2.384	2.5	19.6
9 28	23 57.23	− 3 34.3	1.386	2.383	3.2	19.6
10 8	23 48.38	− 4 39.4	1.416	2.380	8.1	19.9
10 18	23 41.22	− 5 29.1	1.470	2.378	12.6	20.2
10 28	23 36.55	− 5 59.1	1.546	2.375	16.4	20.4

366144 2012 DQ_{96} 9 23.3 297°.46 3°.1/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.98	− 4 54.8	2.027	2.899	12.2	21.0
8 29	0 17.41	− 6 5.7	1.945	2.883	9.0	20.8
9 8	0 12.07	− 7 25.0	1.887	2.868	5.7	20.5
9 18	0 5.45	− 8 46.8	1.855	2.852	3.1	20.3
9 28	23 58.31	−10 3.3	1.852	2.837	4.6	20.4
10 8	23 51.50	−11 7.8	1.875	2.822	8.0	20.6
10 18	23 45.84	−11 55.0	1.925	2.806	11.5	20.8
10 28	23 41.98	−12 22.1	1.996	2.791	14.5	20.9

487095 2014 OC_{133} 9 23.3 255°.37 4°.7/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.02	−12 2.3	2.261	3.134	11.1	21.0
8 29	0 18.71	−13 10.2	2.191	3.125	8.4	20.9
9 8	0 12.75	−14 19.5	2.145	3.117	5.9	20.7
9 18	0 5.66	−15 23.9	2.126	3.109	4.7	20.6
9 28	23 58.15	−16 17.1	2.135	3.100	6.0	20.7
10 8	23 51.03	−16 54.1	2.172	3.091	8.6	20.8
10 18	23 45.02	−17 12.4	2.233	3.083	11.4	21.0
10 28	23 40.69	−17 11.0	2.316	3.074	13.8	21.2

76947 2001 BF_{19} 9 23.3 194°.25 2°.0/21.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.10	− 2 4.3	1.668	2.531	14.8	20.2
8 29	0 23.01	− 2 51.3	1.597	2.529	11.1	19.9
9 8	0 15.66	− 3 48.9	1.548	2.528	6.8	19.7
9 18	0 6.73	− 4 51.2	1.525	2.526	2.7	19.4
9 28	23 57.22	− 5 50.6	1.529	2.523	3.7	19.5
10 8	23 48.30	− 6 39.7	1.561	2.520	8.1	19.7
10 18	23 40.95	− 7 13.3	1.618	2.517	12.2	20.0
10 28	23 35.93	− 7 28.2	1.696	2.513	15.8	20.2

184342 2005 GG_{178} 9 23.3 338°.38 4°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.89	− 5 6.9	1.169	2.066	17.4	19.6
8 29	0 19.89	− 6 13.2	1.107	2.057	13.0	19.3
9 8	0 14.09	− 7 31.2	1.064	2.050	8.2	19.1
9 18	0 6.25	− 8 51.4	1.044	2.043	4.5	18.8
9 28	23 57.64	−10 2.0	1.048	2.036	6.4	18.9
10 8	23 49.75	−10 52.5	1.074	2.031	11.2	19.2
10 18	23 43.85	−11 16.9	1.122	2.026	16.0	19.5
10 28	23 40.82	−11 13.1	1.189	2.023	20.0	19.7

43915 1995 YT_{7} 9 23.3 109°.15 3°.4/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 26.89	− 7 15.3	2.028	2.893	12.5	19.3
8 29	0 21.52	− 8 16.6	1.978	2.912	9.2	19.1
9 8	0 14.41	− 9 21.5	1.953	2.931	5.8	19.0
9 18	0 6.21	−10 23.9	1.955	2.949	3.5	18.8
9 28	23 57.75	−11 17.2	1.985	2.967	4.8	19.0
10 8	23 49.91	−11 56.5	2.044	2.984	7.8	19.2
10 18	23 43.43	−12 18.9	2.128	3.001	10.9	19.4
10 28	23 38.86	−12 23.5	2.234	3.017	13.5	19.6

352263 2007 TT_{215} 9 23.3 322°.66 0°.4/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.76	+ 2 47.1	1.643	2.500	15.3	21.0
8 29	0 20.63	+ 2 36.5	1.564	2.491	11.7	20.8
9 8	0 14.26	+ 2 12.3	1.506	2.481	7.5	20.5
9 18	0 6.27	+ 1 37.9	1.472	2.473	2.8	20.2
9 28	23 57.62	+ 0 58.4	1.465	2.464	2.2	20.1
10 8	23 49.43	+ 0 20.4	1.484	2.456	6.9	20.4
10 18	23 42.73	− 0 10.2	1.528	2.448	11.3	20.7
10 28	23 38.31	− 0 28.4	1.594	2.441	15.1	20.9

50463 2000 DF_{63} 9 23.3 20°.28 0°.5/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.29	+ 4 56.0	1.492	2.353	16.3	17.9
8 29	0 18.03	+ 4 15.6	1.430	2.359	12.4	17.7
9 8	0 12.59	+ 3 17.1	1.389	2.365	7.9	17.4
9 18	0 5.64	+ 2 5.7	1.371	2.372	3.0	17.2
9 28	23 58.22	+ 0 48.9	1.380	2.379	2.2	17.1
10 8	23 51.43	− 0 24.1	1.414	2.387	7.0	17.5
10 18	23 46.21	− 1 25.5	1.473	2.396	11.4	17.7
10 28	23 43.25	− 2 9.8	1.554	2.406	15.2	18.0

258880 2002 QM_{34} 9 23.3 291°.44 0°.3/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.03	+ 0 59.8	1.442	2.306	16.6	20.4
8 29	0 23.47	+ 0 50.1	1.361	2.293	12.7	20.1
9 8	0 16.25	+ 0 27.0	1.301	2.279	8.0	19.8
9 18	0 7.04	− 0 5.6	1.264	2.266	2.8	19.5
9 28	23 56.96	− 0 41.8	1.253	2.252	2.7	19.4
10 8	23 47.37	− 1 14.3	1.268	2.239	8.0	19.7
10 18	23 39.53	− 1 36.7	1.308	2.226	13.0	20.0
10 28	23 34.38	− 1 44.3	1.368	2.213	17.2	20.2

516254 2016 UC_{108} 9 23.3 321°.02 0°.2/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.06	+ 2 46.1	1.472	2.340	16.1	20.8
8 29	0 18.89	+ 2 13.3	1.391	2.324	12.3	20.5
9 8	0 13.33	+ 1 23.5	1.330	2.309	7.8	20.2
9 18	0 5.99	+ 0 21.1	1.293	2.294	2.7	19.8
9 28	23 57.89	− 0 46.5	1.281	2.280	2.6	19.8
10 8	23 50.23	− 1 50.4	1.294	2.266	7.8	20.1
10 18	23 44.14	− 2 42.6	1.332	2.253	12.6	20.3
10 28	23 40.47	− 3 17.1	1.391	2.241	16.7	20.6

454015 2012 DA_{45} 9 23.3 186°.87 2°.4/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.21	− 7 57.3	2.865	3.717	9.6	21.8
8 29	0 20.68	− 8 20.5	2.790	3.717	7.1	21.6
9 8	0 13.79	− 8 45.4	2.740	3.716	4.5	21.4
9 18	0 6.01	− 9 8.9	2.719	3.715	2.5	21.3
9 28	23 57.93	− 9 27.2	2.729	3.713	3.4	21.4
10 8	23 50.21	− 9 37.5	2.767	3.711	5.9	21.5
10 18	23 43.42	− 9 37.7	2.834	3.709	8.4	21.7
10 28	23 38.05	− 9 26.8	2.926	3.706	10.7	21.9

372851 2010 VW_{135} 9 23.3 111°.28 3°.2/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.60	+11 22.5	1.526	2.354	17.7	20.5
8 29	0 22.04	+11 1.7	1.460	2.363	14.0	20.3
9 8	0 15.11	+10 17.8	1.413	2.372	9.7	20.1
9 18	0 6.55	+ 9 13.2	1.390	2.381	5.3	19.8
9 28	23 57.46	+ 7 54.0	1.393	2.389	3.3	19.7
10 8	23 49.06	+ 6 29.2	1.422	2.398	6.7	20.0
10 18	23 42.36	+ 5 8.5	1.478	2.406	11.0	20.2
10 28	23 38.13	+ 3 59.9	1.556	2.414	14.9	20.5

356513 2011 SE_{68} 9 23.3 346°.00 0°.4/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.47	+ 4 5.6	1.360	2.232	16.9	20.3
8 29	0 17.01	+ 3 35.3	1.286	2.222	12.9	20.0
9 8	0 12.17	+ 2 46.1	1.233	2.212	8.3	19.8
9 18	0 5.57	+ 1 42.3	1.203	2.204	3.1	19.4
9 28	23 58.28	+ 0 31.7	1.197	2.196	2.4	19.4
10 8	23 51.52	− 0 36.2	1.215	2.190	7.7	19.7
10 18	23 46.39	− 1 32.6	1.257	2.185	12.6	19.9
10 28	23 43.73	− 2 11.1	1.320	2.181	16.8	20.2

101374 1998 UT_{9} 9 23.3 278°.92 0°.3/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.97	+ 3 46.0	1.841	2.690	14.2	20.1
8 29	0 19.79	+ 3 16.4	1.761	2.684	10.9	19.9
9 8	0 13.62	+ 2 32.6	1.704	2.678	6.9	19.6
9 18	0 6.04	+ 1 38.2	1.671	2.672	2.6	19.3
9 28	23 57.90	+ 0 39.0	1.667	2.666	2.0	19.3
10 8	23 50.20	− 0 18.2	1.689	2.660	6.4	19.6
10 18	23 43.83	− 1 7.2	1.738	2.654	10.5	19.8
10 28	23 39.49	− 1 43.0	1.810	2.648	14.0	20.0

357225 2002 JV_{56} 9 23.3 88°.64 4°.5/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 26.81	−13 6.2	2.285	3.150	11.2	20.7
8 29	0 21.32	−13 46.2	2.234	3.164	8.5	20.5
9 8	0 14.24	−14 24.8	2.208	3.178	5.8	20.4
9 18	0 6.16	−14 56.9	2.208	3.192	4.5	20.3
9 28	23 57.86	−15 17.5	2.238	3.205	5.6	20.4
10 8	23 50.11	−15 23.7	2.294	3.219	8.0	20.6
10 18	23 43.61	−15 14.2	2.377	3.232	10.6	20.8
10 28	23 38.87	−14 49.1	2.482	3.246	12.9	21.0

183790 2004 BJ_{34} 9 23.3 186°.42 0°.8/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.13	+ 4 34.7	1.686	2.530	15.6	21.0
8 29	0 23.05	+ 4 15.6	1.611	2.530	11.9	20.8
9 8	0 15.72	+ 3 41.3	1.558	2.530	7.7	20.5
9 18	0 6.79	+ 2 55.0	1.530	2.529	3.1	20.2
9 28	23 57.26	+ 2 2.3	1.528	2.528	2.1	20.2
10 8	23 48.29	+ 1 10.4	1.555	2.526	6.7	20.5
10 18	23 40.88	+ 0 25.7	1.607	2.525	11.1	20.7
10 28	23 35.79	− 0 6.4	1.682	2.523	14.8	21.0

80737 2000 CA_{33} 9 23.3 302°.51 0°.7/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.13	+ 1 53.1	1.421	2.290	16.5	19.6
8 29	0 20.49	+ 1 12.5	1.344	2.279	12.5	19.4
9 8	0 14.36	+ 0 15.0	1.288	2.267	7.9	19.1
9 18	0 6.37	− 0 54.1	1.255	2.256	2.7	18.7
9 28	23 57.61	− 2 6.8	1.247	2.246	3.0	18.7
10 8	23 49.37	− 3 13.3	1.265	2.235	8.2	19.0
10 18	23 42.80	− 4 5.7	1.308	2.225	13.1	19.3
10 28	23 38.79	− 4 38.3	1.370	2.215	17.3	19.5

78365 2002 PT_{115} 9 23.3 335°.08 5°.3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.16	+17 11.3	1.630	2.436	17.7	18.9
8 29	0 17.29	+16 59.8	1.546	2.428	14.6	18.7
9 8	0 12.24	+16 21.2	1.481	2.420	11.0	18.5
9 18	0 5.60	+15 15.5	1.437	2.413	7.4	18.2
9 28	23 58.29	+13 46.7	1.418	2.406	5.3	18.1
10 8	23 51.44	+12 3.2	1.426	2.400	6.9	18.2
10 18	23 46.03	+10 15.6	1.459	2.394	10.5	18.4
10 28	23 42.87	+ 8 34.5	1.515	2.389	14.3	18.6

511901 2015 HE_{34} 9 23.3 167°.76 1°.8/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.56	− 2 14.5	1.931	2.787	13.3	22.0
8 29	0 22.29	− 3 0.0	1.862	2.791	9.9	21.8
9 8	0 15.07	− 3 54.4	1.816	2.795	6.1	21.6
9 18	0 6.52	− 4 52.2	1.797	2.798	2.4	21.4
9 28	23 57.54	− 5 47.2	1.807	2.800	3.3	21.4
10 8	23 49.09	− 6 33.2	1.844	2.802	7.2	21.7
10 18	23 42.02	− 7 5.7	1.908	2.803	10.9	21.9
10 28	23 36.98	− 7 22.0	1.995	2.804	14.0	22.1

198115 2004 TV_{2} 9 23.3 106°.11 0°.6/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.94	+ 0 40.2	1.856	2.704	14.1	20.1
8 29	0 23.24	+ 0 13.7	1.798	2.722	10.6	19.9
9 8	0 15.59	− 0 22.9	1.764	2.740	6.5	19.7
9 18	0 6.68	− 1 5.5	1.756	2.757	2.2	19.5
9 28	23 57.44	− 1 48.4	1.776	2.774	2.3	19.5
10 8	23 48.89	− 2 26.0	1.824	2.790	6.5	19.8
10 18	23 41.83	− 2 53.8	1.899	2.806	10.3	20.1
10 28	23 36.88	− 3 8.7	1.997	2.821	13.4	20.3

3099 Hergenrother 9 23.3 173°.49 3°.7/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.80	−11 29.0	2.592	3.449	10.3	16.8
8 29	0 21.98	−12 5.3	2.524	3.452	7.8	16.7
9 8	0 14.66	−12 41.6	2.482	3.454	5.2	16.5
9 18	0 6.34	−13 13.5	2.469	3.456	3.7	16.4
9 28	23 57.72	−13 36.6	2.485	3.457	4.7	16.5
10 8	23 49.53	−13 47.6	2.529	3.458	7.1	16.6
10 18	23 42.43	−13 44.9	2.601	3.458	9.7	16.8
10 28	23 36.94	−13 28.0	2.696	3.458	12.0	17.0

19764 2000 NF_{5} 9 23.3 26°.85 2°.3/24.7 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.61	+ 6 45.4	0.462	1.385	30.0	16.2
8 29	0 24.43	+ 6 35.7	0.471	1.430	22.3	16.1
9 8	0 16.45	+ 5 52.5	0.493	1.478	14.1	16.0
9 18	0 6.77	+ 4 48.2	0.529	1.529	5.9	15.9
9 28	23 57.74	+ 3 38.9	0.582	1.583	3.4	16.1
10 8	23 51.19	+ 2 39.8	0.654	1.638	9.8	16.7
10 18	23 47.97	+ 1 59.3	0.744	1.694	15.4	17.3
10 28	23 48.27	+ 1 41.3	0.851	1.750	19.9	17.8

261813 2006 BW_{280} 9 23.3 325°.99 0°.4/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.57	− 0 4.9	1.917	2.774	13.4	19.9
8 29	0 20.20	− 0 12.7	1.834	2.762	10.1	19.7
9 8	0 13.88	− 0 29.6	1.774	2.751	6.3	19.4
9 18	0 6.15	− 0 52.4	1.738	2.740	2.2	19.1
9 28	23 57.85	− 1 16.7	1.731	2.729	2.2	19.1
10 8	23 49.95	− 1 37.5	1.751	2.719	6.5	19.4
10 18	23 43.31	− 1 50.6	1.796	2.709	10.4	19.6
10 28	23 38.66	− 1 52.7	1.865	2.700	13.8	19.8

121800 2000 AQ_{160} 9 23.3 157°.82 5°.2/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 24.33	+19 19.0	2.555	3.308	13.4	19.8
8 29	0 19.62	+19 39.3	2.469	3.310	11.2	19.7
9 8	0 13.32	+19 42.3	2.403	3.312	8.8	19.5
9 18	0 5.91	+19 27.3	2.362	3.314	6.5	19.4
9 28	23 58.07	+18 55.5	2.347	3.316	5.3	19.3
10 8	23 50.55	+18 10.7	2.361	3.318	5.9	19.3
10 18	23 44.05	+17 17.5	2.402	3.319	7.9	19.5
10 28	23 39.15	+16 22.0	2.469	3.320	10.3	19.6

505834 2015 CN_{4} 9 23.3 219°.24 0°.1/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.85	+ 2 6.4	1.695	2.543	15.3	21.9
8 29	0 24.42	+ 1 50.2	1.614	2.536	11.7	21.7
9 8	0 16.64	+ 1 21.2	1.555	2.530	7.4	21.4
9 18	0 7.16	+ 0 42.7	1.522	2.522	2.7	21.1
9 28	23 56.98	+ 0 0.4	1.515	2.514	2.3	21.1
10 8	23 47.30	− 0 39.3	1.537	2.506	7.1	21.4
10 18	23 39.19	− 1 10.5	1.585	2.497	11.5	21.6
10 28	23 33.46	− 1 28.7	1.655	2.488	15.3	21.8

141055 2001 XT_{3} 9 23.3 227°.25 15°.5/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 32.02	+32 52.6	1.370	2.078	24.7	19.6
8 29	0 27.44	+34 39.3	1.293	2.074	22.6	19.4
9 8	0 19.33	+35 52.3	1.229	2.069	20.1	19.2
9 18	0 8.33	+36 21.7	1.181	2.064	17.7	19.1
9 28	23 55.85	+36 1.0	1.152	2.058	16.0	18.9
10 8	23 43.82	+34 51.5	1.142	2.052	15.5	18.9
10 18	23 34.09	+33 2.6	1.153	2.046	16.6	19.0
10 28	23 28.01	+30 50.4	1.183	2.039	18.7	19.1

92170 1999 XU_{183} 9 23.3 298°.32 4°.3/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.66	+13 38.6	2.164	2.960	14.2	18.9
8 29	0 20.35	+13 56.9	2.052	2.931	11.6	18.7
9 8	0 14.08	+13 58.7	1.960	2.901	8.7	18.5
9 18	0 6.28	+13 43.3	1.893	2.871	5.8	18.2
9 28	23 57.70	+13 12.0	1.853	2.840	4.3	18.1
10 8	23 49.24	+12 28.7	1.841	2.810	6.1	18.1
10 18	23 41.84	+11 39.0	1.855	2.780	9.4	18.3
10 28	23 36.29	+10 49.5	1.895	2.749	12.7	18.4

325952 2010 VM_{86} 9 23.3 310°.97 3°.2/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.27	+12 17.3	1.906	2.725	15.0	20.3
8 29	0 17.15	+11 55.8	1.806	2.703	12.1	20.1
9 8	0 12.08	+11 13.3	1.727	2.682	8.6	19.8
9 18	0 5.56	+10 10.8	1.672	2.660	5.0	19.6
9 28	23 58.36	+ 8 52.6	1.643	2.639	3.2	19.4
10 8	23 51.44	+ 7 25.6	1.642	2.618	6.0	19.5
10 18	23 45.70	+ 5 58.1	1.667	2.597	9.9	19.7
10 28	23 41.91	+ 4 38.5	1.716	2.577	13.6	19.9

23804 Haber 9 23.3 83°.03 0°.1/23.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.46	+ 1 23.4	1.469	2.327	16.7	18.4
8 29	0 24.89	+ 1 14.0	1.411	2.339	12.6	18.1
9 8	0 16.87	+ 0 51.9	1.374	2.351	7.9	17.9
9 18	0 7.19	+ 0 21.2	1.362	2.363	2.8	17.6
9 28	23 57.04	− 0 12.1	1.376	2.375	2.4	17.6
10 8	23 47.71	− 0 41.5	1.417	2.387	7.4	18.0
10 18	23 40.26	− 1 1.6	1.483	2.399	11.9	18.3
10 28	23 35.40	− 1 8.6	1.570	2.411	15.6	18.5

475382 2006 GZ_{3} 9 23.3 191°.60 0°.8/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.70	+ 6 9.0	2.119	2.950	13.3	22.0
8 29	0 20.08	+ 5 28.0	2.037	2.948	10.2	21.7
9 8	0 13.69	+ 4 32.3	1.978	2.947	6.6	21.5
9 18	0 6.06	+ 3 24.9	1.946	2.945	2.7	21.3
9 28	23 57.98	+ 2 11.6	1.942	2.942	1.7	21.2
10 8	23 50.30	+ 0 58.8	1.968	2.939	5.6	21.5
10 18	23 43.81	− 0 7.2	2.021	2.935	9.3	21.7
10 28	23 39.12	− 1 1.1	2.099	2.931	12.6	21.9

322553 2011 YQ_{50} 9 23.3 299°.80 1°.2/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.93	− 4 38.8	4.399	5.251	6.5	20.7
8 29	0 12.70	− 5 11.2	4.320	5.248	4.8	20.6
9 8	0 8.72	− 5 46.3	4.268	5.246	2.9	20.5
9 18	0 4.24	− 6 22.0	4.244	5.243	1.3	20.3
9 28	23 59.58	− 6 55.9	4.251	5.240	1.9	20.4
10 8	23 55.09	− 7 25.6	4.287	5.237	3.7	20.5
10 18	23 51.09	− 7 49.3	4.352	5.235	5.6	20.6
10 28	23 47.88	− 8 5.4	4.443	5.232	7.2	20.8

381091 2007 BB_{70} 9 23.3 301°.58 3°.1/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.20	− 2 53.1	1.408	2.290	15.9	20.5
8 29	0 19.91	− 3 59.2	1.327	2.270	11.9	20.2
9 8	0 14.08	− 5 19.7	1.267	2.250	7.4	19.9
9 18	0 6.32	− 6 47.1	1.231	2.231	3.5	19.6
9 28	23 57.70	− 8 11.0	1.220	2.211	5.2	19.7
10 8	23 49.52	− 9 20.7	1.235	2.192	9.9	19.9
10 18	23 42.99	−10 8.7	1.272	2.173	14.7	20.1
10 28	23 39.03	−10 30.7	1.329	2.155	18.8	20.3

44685 1999 RM_{200} 9 23.3 327°.12 7°.8/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 22.47	+22 36.4	1.668	2.437	18.8	18.7
8 29	0 19.11	+22 55.5	1.583	2.431	16.1	18.5
9 8	0 13.44	+22 46.2	1.516	2.424	13.0	18.3
9 18	0 6.06	+22 6.0	1.469	2.419	10.0	18.1
9 28	23 57.95	+20 56.3	1.446	2.413	8.0	18.0
10 8	23 50.29	+19 23.4	1.447	2.408	8.4	18.0
10 18	23 44.15	+17 37.1	1.474	2.403	11.0	18.1
10 28	23 40.38	+15 49.0	1.524	2.399	14.2	18.3

491099 2011 SR_{27} 9 23.3 322°.68 6°.6/30.0 18

8 19	0 21.48	+19 38.3	1.712	2.498	17.7	20.3
8 29	0 18.29	+19 48.6	1.623	2.487	14.9	20.1
9 8	0 12.90	+19 32.7	1.553	2.477	11.8	19.8
9 18	0 5.87	+18 49.0	1.504	2.466	8.6	19.6
9 28	23 58.12	+17 39.7	1.479	2.457	6.6	19.5
10 8	23 50.76	+16 11.2	1.480	2.447	7.6	19.5
10 18	23 44.82	+14 32.8	1.506	2.438	10.5	19.7
10 28	23 41.13	+12 55.3	1.556	2.430	14.0	19.9

421774 2014 QM_{13} 9 23.3 107°.95 4°.0/28.4 18

8 19	0 22.37	+15 56.1	2.378	3.160	13.5	20.6
8 29	0 18.20	+15 51.1	2.296	3.164	11.0	20.4
9 8	0 12.45	+15 28.3	2.236	3.168	8.2	20.2
9 18	0 5.62	+14 48.4	2.200	3.172	5.5	20.1
9 28	23 58.39	+13 54.2	2.192	3.176	4.0	20.0
10 8	23 51.54	+12 50.5	2.212	3.180	5.3	20.1
10 18	23 45.75	+11 43.2	2.259	3.184	7.9	20.2
10 28	23 41.57	+10 38.3	2.333	3.188	10.6	20.4

301535 2009 FE_{47} 9 23.3 326°.11 1°.8/21.6 18

8 19	0 24.22	− 2 17.8	1.852	2.717	13.5	21.0
8 29	0 19.91	− 2 57.5	1.780	2.714	10.0	20.8
9 8	0 13.67	− 3 46.2	1.732	2.712	6.2	20.5
9 18	0 6.08	− 4 38.9	1.709	2.710	2.4	20.3
9 28	23 58.00	− 5 29.0	1.713	2.707	3.3	20.4
10 8	23 50.42	− 6 10.6	1.745	2.705	7.3	20.6
10 18	23 44.17	− 6 38.9	1.802	2.703	11.1	20.8
10 28	23 39.93	− 6 51.1	1.882	2.702	14.3	21.0

510214 2011 DQ_{28} 9 23.3 144°.68 0°.4/22.9 17

8 19	0 27.01	+ 2 16.0	1.871	2.718	14.1	22.2
8 29	0 21.91	+ 1 33.0	1.804	2.727	10.6	22.0
9 8	0 14.85	+ 0 37.3	1.760	2.735	6.6	21.8
9 18	0 6.47	− 0 26.5	1.742	2.743	2.2	21.6
9 28	23 57.68	− 1 31.9	1.752	2.750	2.3	21.6
10 8	23 49.45	− 2 32.1	1.790	2.757	6.6	21.9
10 18	23 42.64	− 3 21.2	1.855	2.763	10.4	22.1
10 28	23 37.88	− 3 55.4	1.944	2.768	13.7	22.3

338585 2003 SR_{139} 9 23.3 45°.16 4°.9/19.3 18

8 19	0 25.85	− 8 22.6	1.361	2.249	15.9	19.8
8 29	0 21.42	− 9 30.1	1.323	2.268	11.8	19.6
9 8	0 14.64	−10 41.0	1.307	2.288	7.6	19.4
9 18	0 6.38	−11 46.2	1.315	2.309	5.0	19.3
9 28	23 57.83	−12 36.9	1.348	2.329	6.6	19.5
10 8	23 50.21	−13 6.7	1.406	2.351	10.3	19.8
10 18	23 44.46	−13 13.2	1.487	2.372	14.0	20.0
10 28	23 41.21	−12 57.0	1.587	2.394	17.1	20.3

392011 2008 YG_{169} 9 23.3 267°.33 1°.8/21.7 18

8 19	0 25.53	− 2 31.0	1.893	2.755	13.3	21.3
8 29	0 20.94	− 3 6.4	1.813	2.745	10.0	21.0
9 8	0 14.36	− 3 50.6	1.755	2.735	6.2	20.8
9 18	0 6.34	− 4 38.9	1.724	2.725	2.4	20.5
9 28	23 57.76	− 5 25.1	1.720	2.714	3.3	20.6
10 8	23 49.61	− 6 3.2	1.744	2.704	7.3	20.8
10 18	23 42.77	− 6 28.6	1.794	2.694	11.2	21.0
10 28	23 37.95	− 6 38.2	1.866	2.683	14.5	21.2

342316 2008 TF_{72} 9 23.3 35°.84 8°.9/16.8 18

8 19	0 32.45	−21 6.7	1.553	2.427	15.1	20.6
8 29	0 26.34	−21 58.3	1.506	2.431	12.2	20.4
9 8	0 17.72	−22 40.3	1.480	2.435	9.7	20.3
9 18	0 7.48	−23 3.9	1.479	2.439	8.9	20.3
9 28	23 56.87	−23 2.2	1.502	2.444	10.2	20.4
10 8	23 47.20	−22 32.6	1.549	2.449	12.8	20.5
10 18	23 39.53	−21 36.6	1.618	2.454	15.6	20.8
10 28	23 34.52	−20 18.3	1.707	2.459	18.2	21.0

22619 Ajscheetz 9 23.3 323°.20 2°.5/21.2 18

8 19	0 24.09	− 1 12.1	1.367	2.246	16.5	18.3
8 29	0 20.45	− 2 19.3	1.301	2.242	12.3	18.1
9 8	0 14.30	− 3 41.4	1.256	2.239	7.5	17.8
9 18	0 6.36	− 5 10.6	1.235	2.236	3.0	17.5
9 28	23 57.77	− 6 36.3	1.240	2.233	4.5	17.6
10 8	23 49.82	− 7 48.3	1.269	2.230	9.3	17.9
10 18	23 43.64	− 8 39.3	1.322	2.228	13.9	18.1
10 28	23 40.02	− 9 5.6	1.396	2.225	17.8	18.4

216086 2006 QN_{130} 9 23.3 110°.43 5°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 28.82	− 8 50.2	1.458	2.338	15.5	20.5
8 29	0 23.69	−10 1.6	1.407	2.348	11.6	20.3
9 8	0 16.13	−11 17.1	1.378	2.357	7.6	20.1
9 18	0 6.94	−12 27.7	1.374	2.366	5.1	20.0
9 28	23 57.33	−13 24.0	1.396	2.375	6.8	20.1
10 8	23 48.53	−13 59.2	1.443	2.383	10.5	20.3
10 18	23 41.60	−14 10.3	1.514	2.391	14.3	20.6
10 28	23 37.22	−13 57.6	1.604	2.399	17.5	20.8

518375 2017 FJ_{56} 9 23.3 302°.40 5°.1/18.1 17

8 19	0 25.21	−13 19.0	2.098	2.971	11.8	21.2
8 29	0 20.60	−14 5.4	2.016	2.950	9.0	21.0
9 8	0 14.11	−14 51.8	1.958	2.929	6.4	20.8
9 18	0 6.26	−15 32.2	1.926	2.908	5.1	20.7
9 28	23 57.86	−16 0.5	1.921	2.888	6.4	20.7
10 8	23 49.82	−16 11.9	1.943	2.867	9.2	20.8
10 18	23 43.00	−16 4.3	1.989	2.847	12.2	21.0
10 28	23 38.07	−15 37.2	2.057	2.827	15.0	21.2

308951 2006 TX_{16} 9 23.3 21°.45 0°.4/23.6 18

8 19	0 22.06	+ 4 10.1	1.033	1.918	20.1	19.5
8 29	0 19.35	+ 3 38.5	0.984	1.926	15.2	19.2
9 8	0 13.76	+ 2 44.9	0.953	1.934	9.6	19.0
9 18	0 6.18	+ 1 35.6	0.943	1.944	3.5	18.7
9 28	23 58.01	+ 0 20.8	0.956	1.956	2.8	18.6
10 8	23 50.78	− 0 47.7	0.991	1.968	8.7	19.0
10 18	23 45.72	− 1 40.4	1.049	1.981	14.0	19.4
10 28	23 43.60	− 2 11.5	1.126	1.996	18.4	19.7

211808 2004 DJ_{29} 9 23.4 94°.72 0°.0/23.3 18

8 19	0 25.76	+ 1 54.1	1.943	2.791	13.6	20.6
8 29	0 20.97	+ 1 36.0	1.871	2.794	10.3	20.3
9 8	0 14.28	+ 1 7.0	1.821	2.796	6.5	20.1
9 18	0 6.30	+ 0 30.5	1.798	2.799	2.3	19.9
9 28	23 57.87	− 0 8.7	1.802	2.801	2.0	19.9
10 8	23 49.93	− 0 45.1	1.835	2.804	6.1	20.1
10 18	23 43.32	− 1 13.9	1.894	2.806	9.9	20.4
10 28	23 38.66	− 1 31.3	1.976	2.809	13.2	20.6

333584 2006 XJ_{69} 9 23.4 141°.36 3°.1/20.4 17

8 19	0 27.86	− 5 14.9	1.796	2.662	13.8	21.3
8 29	0 22.60	− 6 11.6	1.736	2.670	10.2	21.1
9 8	0 15.31	− 7 15.1	1.699	2.678	6.4	20.9
9 18	0 6.65	− 8 18.6	1.688	2.686	3.3	20.7
9 28	23 57.60	− 9 14.9	1.706	2.693	4.6	20.8
10 8	23 49.17	− 9 57.8	1.750	2.700	8.2	21.0
10 18	23 42.24	−10 23.3	1.820	2.706	11.8	21.3
10 28	23 37.46	−10 29.8	1.912	2.711	14.9	21.5

203150 2000 WA_{10} 9 23.4 36°.04 9°.3/15.0 18

8 19	0 24.68	−18 19.1	1.347	2.241	15.7	19.2
8 29	0 20.72	−20 3.8	1.315	2.254	12.4	19.0
9 8	0 14.30	−21 41.0	1.305	2.267	9.9	18.9
9 18	0 6.30	−22 59.0	1.318	2.281	9.4	18.9
9 28	23 57.96	−23 48.2	1.354	2.296	11.1	19.1
10 8	23 50.55	−24 4.2	1.413	2.311	13.9	19.3
10 18	23 45.07	−23 47.5	1.491	2.326	16.8	19.5
10 28	23 42.15	−23 2.1	1.588	2.343	19.3	19.7

330477 2007 FZ_{6} 9 23.4 288°.59 0°.0/23.4 17

8 19	0 23.22	+ 2 29.1	2.113	2.960	12.7	22.1
8 29	0 19.09	+ 2 3.5	2.021	2.943	9.7	21.9
9 8	0 13.18	+ 1 26.4	1.952	2.927	6.1	21.7
9 18	0 5.96	+ 0 40.8	1.909	2.910	2.2	21.4
9 28	23 58.17	− 0 8.5	1.894	2.893	1.9	21.3
10 8	23 50.69	− 0 55.9	1.908	2.877	6.0	21.6
10 18	23 44.32	− 1 36.1	1.948	2.860	9.7	21.8
10 28	23 39.73	− 2 4.8	2.012	2.844	13.0	22.0

520545 2014 MH_{76} 9 23.4 94°.29 2°.0/21.1 18

8 19	0 23.34	− 3 39.0	2.259	3.119	11.5	21.5
8 29	0 18.86	− 4 22.2	2.195	3.126	8.5	21.4
9 8	0 12.83	− 5 11.6	2.155	3.134	5.2	21.2
9 18	0 5.77	− 6 2.5	2.142	3.141	2.3	21.0
9 28	23 58.40	− 6 49.8	2.158	3.149	3.2	21.1
10 8	23 51.47	− 7 28.5	2.202	3.156	6.4	21.3
10 18	23 45.66	− 7 55.2	2.272	3.164	9.5	21.5
10 28	23 41.49	− 8 7.8	2.367	3.171	12.2	21.7

231929 2001 DP_{42} 9 23.4 154°.06 0°.6/22.7 18

8 19	0 25.34	+ 1 13.5	2.111	2.958	12.7	20.9
8 29	0 20.49	+ 0 31.5	2.040	2.964	9.5	20.7
9 8	0 13.92	− 0 21.1	1.993	2.969	5.9	20.5
9 18	0 6.18	− 1 20.1	1.973	2.974	2.0	20.3
9 28	23 58.05	− 2 19.8	1.981	2.979	2.3	20.3
10 8	23 50.39	− 3 14.3	2.019	2.983	6.1	20.6
10 18	23 43.94	− 3 58.7	2.083	2.987	9.6	20.8
10 28	23 39.31	− 4 29.5	2.171	2.990	12.7	21.0

183822 2004 BE_{79} 9 23.4 115°.22 0°.1/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 25.84	+ 1 46.1	1.964	2.812	13.5	20.9
8 29	0 21.01	+ 1 24.7	1.893	2.816	10.2	20.7
9 8	0 14.31	+ 0 52.5	1.845	2.820	6.4	20.5
9 18	0 6.33	+ 0 13.0	1.823	2.824	2.2	20.2
9 28	23 57.93	− 0 28.8	1.829	2.828	2.0	20.2
10 8	23 50.02	− 1 7.3	1.863	2.832	6.1	20.5
10 18	23 43.43	− 1 37.8	1.924	2.836	9.9	20.7
10 28	23 38.78	− 1 56.7	2.009	2.839	13.1	20.9

325765 2010 BJ_{7} 9 23.4 248°.19 3°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.90	− 8 51.3	2.383	3.247	10.9	20.9
8 29	0 20.02	− 9 25.2	2.312	3.244	8.1	20.7
9 8	0 13.56	−10 1.1	2.266	3.242	5.2	20.6
9 18	0 6.05	−10 34.6	2.246	3.240	3.2	20.4
9 28	23 58.18	−11 1.1	2.256	3.237	4.3	20.5
10 8	23 50.72	−11 16.7	2.293	3.235	7.1	20.7
10 18	23 44.34	−11 19.0	2.357	3.232	9.9	20.9
10 28	23 39.60	−11 7.1	2.445	3.230	12.4	21.0

449378 2013 GP_{97} 9 23.4 163°.96 2°.0/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.06	− 5 33.1	2.777	3.629	9.9	22.2
8 29	0 19.89	− 6 6.9	2.706	3.634	7.3	22.0
9 8	0 13.36	− 6 44.2	2.661	3.638	4.5	21.8
9 18	0 5.96	− 7 21.7	2.645	3.642	2.2	21.7
9 28	23 58.27	− 7 55.2	2.658	3.646	3.0	21.7
10 8	23 50.94	− 8 21.2	2.701	3.649	5.7	21.9
10 18	23 44.56	− 8 37.1	2.771	3.652	8.4	22.1
10 28	23 39.60	− 8 41.3	2.866	3.654	10.7	22.3

18443 1994 PW_{8} 9 23.4 280°.81 2°.3/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.54	+ 8 1.1	2.149	2.970	13.5	18.8
8 29	0 20.77	+ 8 7.8	2.064	2.965	10.6	18.6
9 8	0 14.18	+ 8 1.1	2.001	2.961	7.2	18.4
9 18	0 6.31	+ 7 42.2	1.965	2.957	3.8	18.2
9 28	23 57.94	+ 7 14.1	1.956	2.952	2.5	18.1
10 8	23 49.92	+ 6 41.2	1.975	2.948	5.4	18.3
10 18	23 43.08	+ 6 8.5	2.022	2.944	8.9	18.5
10 28	23 38.06	+ 5 40.8	2.093	2.939	12.0	18.7

262334 2006 TE_{41} 9 23.4 174°.71 1°.9/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.26	+ 8 39.5	2.106	2.930	13.6	21.0
8 29	0 19.04	+ 8 16.0	2.027	2.931	10.6	20.8
9 8	0 13.08	+ 7 36.9	1.969	2.931	7.2	20.6
9 18	0 5.91	+ 6 44.3	1.937	2.931	3.5	20.4
9 28	23 58.30	+ 5 42.9	1.934	2.932	2.1	20.3
10 8	23 51.10	+ 4 38.7	1.958	2.932	5.4	20.5
10 18	23 45.06	+ 3 37.8	2.010	2.932	8.9	20.8
10 28	23 40.81	+ 2 45.8	2.086	2.932	12.1	21.0

374757 2006 SS_{241} 9 23.4 295°.36 1°.0/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.56	− 0 13.3	1.397	2.267	16.7	21.8
8 29	0 23.42	− 0 32.9	1.306	2.241	12.8	21.5
9 8	0 16.47	− 1 6.2	1.235	2.215	8.1	21.2
9 18	0 7.30	− 1 49.0	1.187	2.189	2.8	20.8
9 28	23 57.01	− 2 34.3	1.165	2.163	3.3	20.7
10 8	23 47.04	− 3 13.7	1.168	2.137	8.8	21.0
10 18	23 38.78	− 3 40.1	1.195	2.111	14.1	21.2
10 28	23 33.31	− 3 48.3	1.242	2.086	18.7	21.4

395248 2010 ON_{24} 9 23.4 19°.43 9°.2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.51	−21 5.3	1.521	2.406	14.7	19.5
8 29	0 21.17	−22 17.8	1.483	2.414	11.9	19.4
9 8	0 14.52	−23 20.8	1.467	2.423	9.8	19.3
9 18	0 6.41	−24 4.9	1.475	2.432	9.3	19.3
9 28	23 57.96	−24 22.9	1.506	2.442	10.7	19.4
10 8	23 50.38	−24 11.6	1.560	2.454	13.1	19.6
10 18	23 44.60	−23 32.1	1.635	2.466	15.8	19.8
10 28	23 41.22	−22 28.1	1.729	2.478	18.1	20.0

115639 2003 UX_{129} 9 23.4 329°.00 0°.5/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.34	− 0 34.0	1.340	2.216	16.9	19.2
8 29	0 21.74	− 0 28.2	1.255	2.194	12.9	18.9
9 8	0 15.38	− 0 33.3	1.191	2.172	8.2	18.5
9 18	0 6.89	− 0 46.0	1.149	2.151	2.9	18.2
9 28	23 57.40	− 1 0.8	1.132	2.131	2.9	18.1
10 8	23 48.32	− 1 11.4	1.139	2.112	8.4	18.4
10 18	23 41.00	− 1 12.2	1.169	2.094	13.6	18.6
10 28	23 36.46	− 0 59.0	1.220	2.078	18.1	18.9

452688 2005 XC_{81} 9 23.4 256°.03 5°.1/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.69	−13 55.8	2.238	3.109	11.2	21.5
8 29	0 20.00	−14 52.3	2.172	3.104	8.6	21.3
9 8	0 13.62	−15 48.1	2.130	3.099	6.2	21.2
9 18	0 6.09	−16 37.1	2.115	3.094	5.1	21.1
9 28	23 58.18	−17 13.5	2.128	3.089	6.3	21.2
10 8	23 50.70	−17 33.1	2.168	3.084	8.8	21.3
10 18	23 44.40	−17 34.1	2.232	3.079	11.5	21.5
10 28	23 39.85	−17 16.3	2.318	3.074	13.9	21.7

223226 2003 DW_{13} 9 23.4 283°.15 1°.3/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 25.01	+ 0 21.9	1.597	2.462	15.2	20.9
8 29	0 21.07	− 0 25.2	1.507	2.440	11.5	20.6
9 8	0 14.76	− 1 27.3	1.439	2.419	7.2	20.3
9 18	0 6.63	− 2 39.3	1.396	2.397	2.5	20.0
9 28	23 57.65	− 3 53.4	1.379	2.375	3.3	20.0
10 8	23 49.03	− 5 0.6	1.388	2.353	8.2	20.2
10 18	23 41.88	− 5 53.2	1.423	2.331	12.9	20.5
10 28	23 37.10	− 6 26.0	1.478	2.309	17.0	20.7

407258 2010 AU_{117} 9 23.4 297°.60 1°.5/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 31.80	− 4 57.3	2.222	3.069	12.2	21.1
8 29	0 25.56	− 4 48.5	2.118	3.042	9.2	20.9
9 8	0 17.28	− 4 42.8	2.039	3.015	5.8	20.6
9 18	0 7.47	− 4 37.3	1.987	2.987	2.3	20.3
9 28	23 56.94	− 4 28.7	1.965	2.960	2.8	20.3
10 8	23 46.65	− 4 13.9	1.973	2.932	6.6	20.5
10 18	23 37.53	− 3 50.7	2.008	2.905	10.3	20.7
10 28	23 30.35	− 3 17.6	2.069	2.878	13.6	20.9

38362 1999 RW_{155} 9 23.4 55°.09 0°.7/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.99	+ 6 31.6	2.020	2.859	13.5	19.0
8 29	0 17.34	+ 5 37.9	1.950	2.866	10.3	18.8
9 8	0 12.01	+ 4 28.4	1.902	2.873	6.6	18.6
9 18	0 5.54	+ 3 7.2	1.881	2.880	2.6	18.4
9 28	23 58.69	+ 1 40.9	1.888	2.887	1.7	18.3
10 8	23 52.31	+ 0 16.6	1.923	2.894	5.6	18.6
10 18	23 47.10	− 0 58.7	1.985	2.902	9.3	18.8
10 28	23 43.65	− 2 0.0	2.072	2.909	12.5	19.0

86879 2000 HS_{25} 9 23.4 31°.22 0°.8/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.75	+ 4 55.0	1.186	2.058	18.9	19.1
8 29	0 20.31	+ 4 28.6	1.137	2.070	14.4	18.9
9 8	0 14.23	+ 3 41.9	1.106	2.084	9.2	18.6
9 18	0 6.37	+ 2 40.3	1.097	2.098	3.6	18.4
9 28	23 58.02	+ 1 32.4	1.113	2.113	2.4	18.3
10 8	23 50.56	+ 0 28.5	1.153	2.128	7.9	18.7
10 18	23 45.09	− 0 23.1	1.215	2.145	12.8	19.0
10 28	23 42.34	− 0 56.6	1.299	2.162	16.9	19.3

202813 2008 SV_{52} 9 23.4 292°.13 0°.6/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.95	+ 5 29.4	1.647	2.498	15.5	21.4
8 29	0 19.45	+ 4 49.3	1.555	2.478	12.0	21.2
9 8	0 13.70	+ 3 50.0	1.484	2.457	7.8	20.9
9 18	0 6.25	+ 2 35.1	1.437	2.437	3.0	20.5
9 28	23 58.01	+ 1 11.3	1.417	2.417	2.1	20.4
10 8	23 50.11	− 0 12.3	1.424	2.397	7.1	20.7
10 18	23 43.60	− 1 26.9	1.456	2.376	11.8	20.9
10 28	23 39.35	− 2 25.4	1.510	2.356	15.9	21.1

143710 2003 UG_{134} 9 23.4 337°.85 4°.5/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.12	+10 4.4	1.185	2.038	20.2	19.7
8 29	0 21.80	+10 31.5	1.112	2.029	16.2	19.4
9 8	0 15.51	+10 35.3	1.057	2.021	11.5	19.2
9 18	0 6.95	+10 15.5	1.023	2.014	6.7	18.9
9 28	23 57.42	+ 9 35.5	1.012	2.007	4.6	18.7
10 8	23 48.49	+ 8 43.4	1.024	2.002	8.2	18.9
10 18	23 41.58	+ 7 49.2	1.059	1.997	13.2	19.2
10 28	23 37.73	+ 7 2.9	1.113	1.993	17.8	19.5

303642 2005 JW_{159} 9 23.4 23°.35 1°.7/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.44	− 2 14.0	1.650	2.518	14.6	20.5
8 29	0 21.01	− 2 41.7	1.587	2.522	10.9	20.3
9 8	0 14.44	− 3 18.3	1.546	2.526	6.7	20.1
9 18	0 6.43	− 3 59.0	1.529	2.531	2.5	19.8
9 28	23 57.94	− 4 37.2	1.540	2.535	3.3	19.9
10 8	23 50.08	− 5 7.0	1.577	2.541	7.6	20.2
10 18	23 43.75	− 5 23.8	1.639	2.546	11.6	20.4
10 28	23 39.63	− 5 25.2	1.723	2.552	15.0	20.6

33202 Davignon 9 23.4 158°.82 0°.4/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.89	+ 1 28.8	2.147	2.995	12.5	19.5
8 29	0 19.44	+ 0 57.8	2.072	2.996	9.4	19.3
9 8	0 13.30	+ 0 16.6	2.021	2.997	5.9	19.1
9 18	0 6.00	− 0 31.2	1.996	2.997	2.0	18.8
9 28	23 58.30	− 1 20.7	2.000	2.998	2.0	18.8
10 8	23 51.01	− 2 6.3	2.032	2.999	5.8	19.1
10 18	23 44.89	− 2 43.5	2.091	3.000	9.4	19.3
10 28	23 40.51	− 3 8.7	2.174	3.000	12.4	19.5

232162 2002 CM_{289} 9 23.4 163°.48 0°.5/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.67	+ 2 24.8	2.038	2.873	13.6	20.7
8 29	0 24.59	+ 2 23.0	1.963	2.878	10.3	20.5
9 8	0 16.55	+ 2 11.1	1.911	2.882	6.6	20.3
9 18	0 7.16	+ 1 51.6	1.886	2.885	2.5	20.1
9 28	23 57.31	+ 1 28.4	1.889	2.888	1.8	20.0
10 8	23 47.96	+ 1 6.0	1.922	2.891	5.9	20.3
10 18	23 39.99	+ 0 48.6	1.982	2.893	9.7	20.5
10 28	23 34.04	+ 0 39.8	2.067	2.895	12.9	20.7

156752 2002 XL_{96} 9 23.4 301°.65 0°.5/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 24.58	+ 3 59.8	1.419	2.281	16.9	20.5
8 29	0 21.01	+ 3 37.0	1.334	2.263	13.1	20.2
9 8	0 14.84	+ 2 55.9	1.269	2.245	8.4	19.9
9 18	0 6.70	+ 2 0.1	1.227	2.228	3.2	19.5
9 28	23 57.65	+ 0 56.3	1.211	2.210	2.4	19.4
10 8	23 49.02	− 0 6.4	1.220	2.193	7.9	19.7
10 18	23 42.03	− 0 59.6	1.252	2.177	13.0	19.9
10 28	23 37.67	− 1 36.2	1.306	2.160	17.4	20.2

89823 2002 BE_9 9 23.4 175°.71 1°.1/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.23	− 1 1.2	2.210	3.063	12.0	19.7
8 29	0 19.65	− 1 32.2	2.137	3.064	9.0	19.5
9 8	0 13.41	− 2 11.3	2.086	3.064	5.5	19.3
9 18	0 6.04	− 2 54.6	2.063	3.064	1.9	19.0
9 28	23 58.29	− 3 37.4	2.068	3.064	2.5	19.1
10 8	23 50.94	− 4 14.5	2.102	3.064	6.1	19.3
10 18	23 44.73	− 4 42.0	2.163	3.064	9.4	19.5
10 28	23 40.23	− 4 57.0	2.247	3.064	12.4	19.7

404436 2013 GQ_{97} 9 23.4 78°.21 1°.3/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.63	− 2 9.0	2.212	3.067	11.9	20.8
8 29	0 19.86	− 2 36.8	2.148	3.077	8.9	20.6
9 8	0 13.48	− 3 11.3	2.108	3.086	5.4	20.4
9 18	0 6.05	− 3 48.7	2.095	3.096	2.0	20.2
9 28	23 58.31	− 4 24.3	2.110	3.105	2.6	20.3
10 8	23 51.04	− 4 53.6	2.154	3.115	6.1	20.5
10 18	23 44.93	− 5 13.0	2.225	3.125	9.3	20.7
10 28	23 40.53	− 5 20.4	2.319	3.134	12.1	20.9

160586 1999 RG_7 9 23.4 73°.45 0°.6/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 32.71	− 1 16.6	1.646	2.500	15.4	19.6
8 29	0 26.31	− 1 12.8	1.592	2.518	11.5	19.4
9 8	0 17.65	− 1 17.3	1.559	2.536	7.1	19.2
9 18	0 7.55	− 1 26.5	1.552	2.554	2.5	19.0
9 28	23 57.10	− 1 36.0	1.573	2.572	2.5	19.0
10 8	23 47.47	− 1 41.1	1.622	2.589	7.0	19.3
10 18	23 39.62	− 1 38.4	1.697	2.607	11.1	19.6
10 28	23 34.20	− 1 25.5	1.795	2.625	14.5	19.9

515423 2013 HE_{124} 9 23.4 144°.09 2°.8/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.78	+13 52.4	2.786	3.569	11.7	22.7
8 29	0 18.26	+13 29.3	2.706	3.579	9.4	22.6
9 8	0 12.41	+12 51.3	2.648	3.588	6.7	22.4
9 18	0 5.68	+11 59.8	2.617	3.597	4.2	22.2
9 28	23 58.65	+10 58.1	2.616	3.606	2.8	22.2
10 8	23 51.97	+ 9 50.7	2.644	3.614	4.4	22.3
10 18	23 46.21	+ 8 42.6	2.701	3.622	6.9	22.5
10 28	23 41.83	+ 7 38.8	2.785	3.629	9.4	22.6

389356 2009 UZ_{93} 9 23.4 322°.41 1°.7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.19	− 7 6.6	3.811	4.666	7.4	20.0
8 29	0 15.29	− 7 25.0	3.727	4.656	5.5	19.8
9 8	0 10.44	− 7 45.1	3.669	4.646	3.4	19.7
9 18	0 4.97	− 8 4.7	3.639	4.636	1.8	19.6
9 28	23 59.27	− 8 21.2	3.640	4.626	2.5	19.6
10 8	23 53.77	− 8 32.3	3.670	4.617	4.4	19.7
10 18	23 48.87	− 8 36.5	3.728	4.608	6.5	19.9
10 28	23 44.91	− 8 32.3	3.812	4.599	8.3	20.0

396402 2014 EL_1 9 23.4 307°.34 0°.8/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.28	+ 3 58.9	1.755	2.601	14.9	21.2
8 29	0 21.66	+ 3 48.9	1.678	2.598	11.4	21.0
9 8	0 14.92	+ 3 25.2	1.623	2.596	7.4	20.8
9 18	0 6.66	+ 2 50.8	1.593	2.593	3.0	20.5
9 28	23 57.83	+ 2 10.5	1.591	2.590	2.0	20.4
10 8	23 49.49	+ 1 30.5	1.615	2.588	6.4	20.7
10 18	23 42.58	+ 0 56.6	1.666	2.585	10.6	20.9
10 28	23 37.86	+ 0 33.5	1.739	2.583	14.2	21.2

159328 2006 CF_{27} 9 23.4 44°.35 1°.1/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.79	+ 0 36.3	1.487	2.356	16.0	19.7
8 29	0 20.70	− 0 7.1	1.429	2.363	11.9	19.5
9 8	0 14.34	− 1 3.9	1.391	2.372	7.3	19.2
9 18	0 6.44	− 2 8.3	1.378	2.380	2.5	19.0
9 28	23 58.07	− 3 12.3	1.392	2.389	3.1	19.0
10 8	23 50.39	− 4 7.6	1.431	2.398	7.8	19.3
10 18	23 44.38	− 4 48.3	1.495	2.407	12.1	19.6
10 28	23 40.73	− 5 10.5	1.580	2.417	15.7	19.9

505113 2012 DA_{46} 9 23.4 103°.66 14°.5/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 40.23	−36 44.0	1.578	2.409	17.0	20.2
8 29	0 32.22	−38 13.8	1.562	2.427	15.4	20.1
9 8	0 21.34	−39 17.7	1.566	2.443	14.6	20.1
9 18	0 8.80	−39 45.9	1.591	2.460	14.7	20.2
9 28	23 56.20	−39 32.8	1.638	2.476	15.7	20.3
10 8	23 45.08	−38 39.6	1.704	2.491	17.2	20.4
10 18	23 36.54	−37 12.3	1.788	2.506	18.8	20.6
10 28	23 31.15	−35 18.6	1.888	2.521	20.2	20.8

443382 2014 HX_8 9 23.4 76°.26 2°.9/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 25.54	− 5 47.4	1.885	2.754	13.1	21.5
8 29	0 20.86	− 6 32.0	1.821	2.757	9.7	21.3
9 8	0 14.27	− 7 22.2	1.781	2.760	6.1	21.1
9 18	0 6.39	− 8 12.4	1.766	2.764	3.1	21.0
9 28	23 58.10	− 8 56.1	1.779	2.767	4.3	21.0
10 8	23 50.35	− 9 27.8	1.819	2.770	7.8	21.3
10 18	23 43.96	− 9 44.1	1.884	2.773	11.3	21.5
10 28	23 39.57	− 9 43.2	1.972	2.776	14.3	21.7

9904 Mauratombelli 9 23.4 315°.12 2°.5/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.79	− 1 39.5	1.607	2.483	14.6	17.9
8 29	0 17.81	− 2 48.8	1.524	2.465	10.9	17.7
9 8	0 12.67	− 4 12.1	1.464	2.446	6.7	17.4
9 18	0 5.91	− 5 42.9	1.428	2.429	2.9	17.1
9 28	23 58.46	− 7 11.9	1.419	2.411	4.3	17.2
10 8	23 51.40	− 8 29.4	1.436	2.394	8.7	17.4
10 18	23 45.73	− 9 28.1	1.477	2.378	13.0	17.6
10 28	23 42.27	−10 3.6	1.539	2.362	16.8	17.8

188219 2002 TK_{51} 9 23.4 344°.14 3°.5/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.01	− 5 36.0	1.149	2.042	17.8	19.0
8 29	0 22.40	− 5 59.4	1.085	2.033	13.4	18.7
9 8	0 15.83	− 6 30.8	1.041	2.025	8.5	18.4
9 18	0 7.07	− 7 3.2	1.018	2.018	4.0	18.1
9 28	23 57.50	− 7 27.9	1.019	2.012	5.4	18.2
10 8	23 48.68	− 7 37.2	1.043	2.007	10.4	18.5
10 18	23 41.96	− 7 27.0	1.088	2.003	15.4	18.7
10 28	23 38.28	− 6 55.7	1.153	2.000	19.7	19.0

167537 2003 YX_{175} 9 23.4 267°.63 2°.8/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.27	+11 32.8	2.038	2.851	14.4	20.4
8 29	0 19.30	+11 11.4	1.941	2.836	11.5	20.2
9 8	0 13.42	+10 31.1	1.866	2.820	8.1	20.0
9 18	0 6.15	+ 9 33.0	1.815	2.804	4.6	19.7
9 28	23 58.26	+ 8 21.4	1.792	2.788	2.9	19.6
10 8	23 50.67	+ 7 2.6	1.797	2.771	5.7	19.7
10 18	23 44.23	+ 5 44.2	1.829	2.755	9.4	19.9
10 28	23 39.68	+ 4 33.3	1.886	2.738	12.9	20.1

308732 2006 HA_{49} 9 23.4 130°.05 2°.1/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.44	− 2 10.6	1.457	2.324	16.3	21.1
8 29	0 25.00	− 2 51.5	1.398	2.332	12.2	20.9
9 8	0 17.06	− 3 43.2	1.360	2.340	7.5	20.7
9 18	0 7.42	− 4 39.1	1.347	2.348	2.9	20.4
9 28	23 57.26	− 5 31.2	1.361	2.355	3.9	20.5
10 8	23 47.89	− 6 12.0	1.401	2.362	8.6	20.8
10 18	23 40.39	− 6 36.4	1.465	2.369	12.9	21.1
10 28	23 35.50	− 6 41.8	1.550	2.375	16.6	21.3

432897 2011 OE_5 9 23.4 52°.58 1°.3/22.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.23	+ 2 54.9	1.427	2.293	16.7	20.5
8 29	0 20.07	+ 1 22.7	1.391	2.325	12.3	20.3
9 8	0 13.77	− 0 24.9	1.378	2.358	7.4	20.1
9 18	0 6.17	− 2 18.8	1.389	2.391	2.5	19.9
9 28	23 58.38	− 4 8.1	1.427	2.424	3.3	20.0
10 8	23 51.48	− 5 42.9	1.493	2.457	7.8	20.4
10 18	23 46.31	− 6 56.3	1.583	2.490	11.9	20.7
10 28	23 43.40	− 7 45.5	1.695	2.523	15.3	21.0

18247 3151 $T\text{-}_2$ 9 23.4 278°.64 1°.7/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.52	− 1 30.0	1.387	2.258	16.7	18.5
8 29	0 23.93	− 1 58.3	1.312	2.249	12.6	18.2
9 8	0 16.64	− 2 38.9	1.258	2.239	7.9	17.9
9 18	0 7.36	− 3 26.1	1.228	2.230	2.9	17.6
9 28	23 57.25	− 4 12.4	1.224	2.220	3.7	17.6
10 8	23 47.74	− 4 49.5	1.245	2.211	8.8	17.9
10 18	23 40.05	− 5 11.5	1.289	2.201	13.7	18.2
10 28	23 35.12	− 5 14.6	1.354	2.192	17.9	18.4

181519 2006 UR_{87} 9 23.4 72°.14 0°.8/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.53	+ 0 32.4	1.386	2.251	17.1	19.9
8 29	0 24.29	+ 0 5.5	1.335	2.268	12.8	19.7
9 8	0 16.56	− 0 34.3	1.306	2.285	7.9	19.4
9 18	0 7.22	− 1 21.5	1.300	2.302	2.7	19.2
9 28	23 57.47	− 2 8.7	1.321	2.319	2.9	19.2
10 8	23 48.63	− 2 48.4	1.368	2.336	7.9	19.6
10 18	23 41.72	− 3 15.1	1.439	2.353	12.3	19.9
10 28	23 37.43	− 3 25.4	1.531	2.370	16.1	20.2

292321 2006 SK_{169} 9 23.4 314°.18 1°.6/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.56	+ 6 13.8	1.845	2.684	14.6	20.5
8 29	0 20.32	+ 6 5.3	1.764	2.678	11.3	20.3
9 8	0 14.07	+ 5 41.9	1.704	2.672	7.5	20.0
9 18	0 6.38	+ 5 5.8	1.670	2.666	3.4	19.8
9 28	23 58.11	+ 4 21.5	1.662	2.661	2.1	19.7
10 8	23 50.26	+ 3 35.0	1.681	2.656	6.0	19.9
10 18	23 43.73	+ 2 52.3	1.727	2.650	10.1	20.2
10 28	23 39.26	+ 2 18.8	1.797	2.645	13.6	20.4

99153 2001 FH_{129} 9 23.4 122°.41 2°.6/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 26.31	− 4 52.2	2.058	2.919	12.5	20.0
8 29	0 21.23	− 5 42.1	1.999	2.931	9.2	19.9
9 8	0 14.40	− 6 37.8	1.963	2.942	5.7	19.7
9 18	0 6.42	− 7 33.8	1.955	2.953	2.8	19.5
9 28	23 58.13	− 8 24.1	1.975	2.964	3.9	19.6
10 8	23 50.37	− 9 3.4	2.024	2.974	7.2	19.8
10 18	23 43.91	− 9 28.2	2.098	2.984	10.5	20.0
10 28	23 39.32	− 9 36.9	2.196	2.994	13.3	20.3

383078 2005 SO_{49} 9 23.4 260°.83 1°.1/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.69	− 0 37.5	1.660	2.520	15.0	21.5
8 29	0 22.90	− 1 3.8	1.581	2.511	11.3	21.3
9 8	0 15.80	− 1 41.3	1.523	2.502	7.0	21.0
9 18	0 7.03	− 2 25.5	1.491	2.492	2.5	20.7
9 28	23 57.56	− 3 10.0	1.485	2.483	3.0	20.7
10 8	23 48.59	− 3 48.0	1.507	2.473	7.6	21.0
10 18	23 41.14	− 4 14.0	1.554	2.463	12.0	21.2
10 28	23 36.03	− 4 24.4	1.623	2.453	15.7	21.5

439761 2015 FH_{337} 9 23.4 51°.54 2°.4/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.17	+11 12.6	1.588	2.421	16.9	20.7
8 29	0 18.67	+10 25.3	1.523	2.431	13.2	20.5
9 8	0 13.05	+ 9 14.5	1.478	2.441	9.0	20.3
9 18	0 6.00	+ 7 43.9	1.457	2.451	4.6	20.1
9 28	23 58.49	+ 6 1.3	1.463	2.461	2.6	20.0
10 8	23 51.60	+ 4 16.7	1.496	2.472	6.3	20.2
10 18	23 46.23	+ 2 39.9	1.555	2.483	10.5	20.5
10 28	23 43.06	+ 1 18.7	1.637	2.494	14.3	20.8

176116 2001 DY_{61} 9 23.4 184°.83 0°.6/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.07	+ 3 56.7	1.719	2.562	15.3	21.3
8 29	0 23.79	+ 3 36.0	1.643	2.562	11.7	21.0
9 8	0 16.28	+ 3 0.8	1.590	2.562	7.5	20.8
9 18	0 7.17	+ 2 14.5	1.561	2.561	2.9	20.5
9 28	23 57.48	+ 1 22.7	1.561	2.560	2.1	20.5
10 8	23 48.33	+ 0 32.4	1.588	2.559	6.7	20.7
10 18	23 40.72	− 0 10.1	1.641	2.556	11.0	21.0
10 28	23 35.41	− 0 39.9	1.717	2.554	14.7	21.2

105615 2000 RX_{101} 9 23.4 66°.77 5°.4/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.33	+17 23.8	2.117	2.893	15.1	19.5
8 29	0 20.72	+17 46.6	2.036	2.896	12.5	19.3
9 8	0 14.24	+17 50.2	1.975	2.898	9.7	19.1
9 18	0 6.43	+17 33.9	1.937	2.901	6.9	19.0
9 28	23 58.10	+16 59.3	1.926	2.903	5.4	18.9
10 8	23 50.17	+16 10.8	1.943	2.906	6.4	18.9
10 18	23 43.48	+15 14.5	1.986	2.909	9.0	19.1
10 28	23 38.69	+14 17.4	2.054	2.911	11.8	19.3

401313 2012 XK_{156} 9 23.4 190°.91 4°.1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.10	+16 59.3	2.615	3.380	12.8	21.5
8 29	0 20.21	+16 54.8	2.523	3.378	10.5	21.3
9 8	0 13.77	+16 33.3	2.452	3.376	8.0	21.2
9 18	0 6.24	+15 55.0	2.406	3.373	5.5	21.0
9 28	23 58.28	+15 2.1	2.389	3.370	4.1	20.9
10 8	23 50.62	+13 58.9	2.401	3.366	5.2	21.0
10 18	23 43.96	+12 51.0	2.441	3.361	7.6	21.1
10 28	23 38.85	+11 44.2	2.508	3.356	10.2	21.3

450524 2006 BP_{67} 9 23.4 97°.38 5°.8/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.13	−15 41.2	2.300	3.175	10.8	20.8
8 29	0 18.07	−17 8.7	2.247	3.178	8.4	20.6
9 8	0 12.43	−18 34.5	2.219	3.182	6.4	20.5
9 18	0 5.76	−19 51.5	2.218	3.186	5.8	20.5
9 28	23 58.75	−20 53.2	2.245	3.189	7.2	20.6
10 8	23 52.18	−21 35.3	2.298	3.193	9.4	20.8
10 18	23 46.72	−21 55.9	2.375	3.197	11.7	20.9
10 28	23 42.90	−21 54.9	2.473	3.200	13.8	21.1

223578 2004 FU_{76} 9 23.4 45°.10 0°.3/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.25	+ 1 26.4	1.323	2.187	17.8	20.1
8 29	0 25.07	+ 1 30.6	1.266	2.197	13.5	19.9
9 8	0 17.21	+ 1 21.7	1.230	2.207	8.5	19.7
9 18	0 7.52	+ 1 3.1	1.216	2.217	3.1	19.4
9 28	23 57.30	+ 0 40.6	1.229	2.228	2.5	19.4
10 8	23 47.94	+ 0 20.7	1.267	2.240	7.7	19.7
10 18	23 40.60	+ 0 8.8	1.329	2.251	12.5	20.0
10 28	23 36.05	+ 0 9.2	1.412	2.263	16.5	20.3

255248 2005 UR_{508} 9 23.4 322°.14 1°.1/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.28	− 0 4.7	1.882	2.744	13.4	20.3
8 29	0 18.57	− 0 43.3	1.803	2.734	10.1	20.1
9 8	0 12.97	− 1 33.0	1.746	2.725	6.2	19.9
9 18	0 6.02	− 2 29.4	1.714	2.716	2.2	19.6
9 28	23 58.53	− 3 26.2	1.710	2.707	2.7	19.6
10 8	23 51.44	− 4 16.9	1.733	2.698	6.9	19.9
10 18	23 45.60	− 4 56.0	1.782	2.690	10.7	20.1
10 28	23 41.68	− 5 19.8	1.854	2.683	14.1	20.3

231668 1981 EK_{28} 9 23.4 217°.38 1°.5/24.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 30.90	+ 4 34.5	2.001	2.829	14.0	20.5
8 29	0 24.97	+ 4 47.0	1.915	2.824	10.9	20.2
9 8	0 16.96	+ 4 48.3	1.852	2.818	7.2	20.0
9 18	0 7.45	+ 4 39.8	1.816	2.812	3.2	19.8
9 28	23 57.32	+ 4 24.5	1.808	2.806	2.1	19.7
10 8	23 47.60	+ 4 6.7	1.828	2.800	5.9	19.9
10 18	23 39.24	+ 3 50.8	1.877	2.793	9.8	20.1
10 28	23 32.96	+ 3 41.2	1.949	2.786	13.2	20.3

280060 2002 CQ_{81} 9 23.4 144°.60 3°.5/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.98	− 4 27.1	1.568	2.440	15.1	20.6
8 29	0 23.04	− 5 43.4	1.510	2.447	11.2	20.3
9 8	0 15.81	− 7 8.9	1.474	2.454	7.0	20.1
9 18	0 7.03	− 8 35.5	1.464	2.461	3.7	19.9
9 28	23 57.76	− 9 53.5	1.480	2.467	5.2	20.0
10 8	23 49.19	−10 54.8	1.524	2.473	9.2	20.3
10 18	23 42.31	−11 34.5	1.591	2.478	13.2	20.5
10 28	23 37.81	−11 50.7	1.680	2.482	16.5	20.8

2920 Automedon 9 23.4 299°.89 3°.6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.54	+21 56.6	4.331	5.049	8.7	16.1
8 29	0 13.32	+21 47.4	4.232	5.047	7.4	16.0
9 8	0 9.25	+21 26.1	4.156	5.045	5.9	15.9
9 18	0 4.62	+20 53.0	4.105	5.044	4.5	15.8
9 28	23 59.78	+20 9.3	4.082	5.042	3.7	15.7
10 8	23 55.11	+19 17.5	4.088	5.040	3.8	15.7
10 18	23 50.97	+18 20.3	4.123	5.038	5.0	15.8
10 28	23 47.69	+17 21.2	4.186	5.036	6.4	15.9

90473 2004 CT_{102} 9 23.4 302°.52 2°.6/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.70	+10 33.1	1.738	2.568	15.7	20.1
8 29	0 18.52	+10 6.5	1.637	2.543	12.6	19.8
9 8	0 13.18	+ 9 17.9	1.557	2.518	8.8	19.6
9 18	0 6.18	+ 8 8.6	1.501	2.493	4.7	19.3
9 28	23 58.38	+ 6 43.7	1.471	2.469	2.8	19.1
10 8	23 50.84	+ 5 11.3	1.468	2.444	6.4	19.3
10 18	23 44.59	+ 3 40.6	1.490	2.420	10.9	19.5
10 28	23 40.48	+ 2 20.8	1.536	2.395	15.0	19.7

222206 2000 EE_{1} 9 23.4 145°.34 0°.7/24.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.35	+ 4 32.6	1.796	2.636	14.9	20.7
8 29	0 23.10	+ 4 7.9	1.727	2.644	11.4	20.5
9 8	0 15.77	+ 3 28.8	1.680	2.651	7.3	20.3
9 18	0 7.01	+ 2 38.8	1.658	2.657	2.9	20.0
9 28	23 57.78	+ 1 43.5	1.664	2.664	2.0	20.0
10 8	23 49.12	+ 0 49.8	1.698	2.669	6.3	20.3
10 18	23 41.95	+ 0 3.7	1.759	2.675	10.4	20.5
10 28	23 36.95	− 0 30.1	1.843	2.679	13.9	20.8

361911 2008 GK_{68} 9 23.4 28°.71 2°.5/26.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.76	+12 40.5	1.643	2.472	16.5	20.2
8 29	0 16.02	+11 38.8	1.583	2.488	13.0	20.0
9 8	0 11.37	+10 12.7	1.544	2.504	8.9	19.8
9 18	0 5.44	+ 8 26.9	1.528	2.521	4.7	19.6
9 28	23 59.15	+ 6 29.5	1.540	2.538	2.6	19.5
10 8	23 53.45	+ 4 31.1	1.579	2.556	5.9	19.8
10 18	23 49.16	+ 2 41.5	1.645	2.575	9.9	20.1
10 28	23 46.85	+ 1 8.7	1.734	2.595	13.4	20.3

221577 2006 VP_{73} 9 23.4 118°.21 2°.2/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.03	− 2 44.1	1.660	2.523	14.8	20.8
8 29	0 23.66	− 3 30.3	1.603	2.536	11.0	20.6
9 8	0 16.11	− 4 25.4	1.568	2.548	6.8	20.4
9 18	0 7.12	− 5 23.4	1.559	2.559	2.8	20.2
9 28	23 57.73	− 6 16.9	1.577	2.570	3.8	20.3
10 8	23 49.05	− 6 59.2	1.623	2.581	7.9	20.6
10 18	23 42.00	− 7 26.0	1.693	2.591	11.8	20.8
10 28	23 37.25	− 7 34.9	1.786	2.601	15.2	21.1

333151 2012 BY_{27} 9 23.4 145°.79 2°.3/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.87	− 3 43.8	2.294	3.156	11.3	20.7
8 29	0 17.87	− 4 44.3	2.224	3.157	8.4	20.5
9 8	0 12.34	− 5 51.9	2.179	3.159	5.1	20.3
9 18	0 5.77	− 7 1.2	2.161	3.160	2.5	20.1
9 28	23 58.85	− 8 6.4	2.172	3.161	3.5	20.2
10 8	23 52.31	− 9 1.9	2.211	3.162	6.7	20.4
10 18	23 46.82	− 9 43.7	2.277	3.163	9.7	20.6
10 28	23 42.92	−10 9.4	2.366	3.164	12.4	20.8

340503 2006 HC_{151} 9 23.4 215°.60 5°.5/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.92	−14 25.5	2.018	2.882	12.5	21.4
8 29	0 24.89	−15 9.0	1.948	2.877	9.6	21.2
9 8	0 16.84	−15 50.7	1.903	2.871	6.9	21.0
9 18	0 7.40	−16 24.3	1.885	2.865	5.5	20.9
9 28	23 57.48	−16 43.8	1.894	2.858	6.7	21.0
10 8	23 48.12	−16 45.0	1.930	2.851	9.5	21.1
10 18	23 40.18	−16 26.7	1.992	2.844	12.4	21.3
10 28	23 34.35	−15 49.7	2.075	2.837	15.1	21.5

188377 2004 CD_{37} 9 23.4 187°.36 1°.3/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 26.02	+ 7 40.6	1.823	2.655	15.1	21.0
8 29	0 21.43	+ 6 58.3	1.744	2.655	11.7	20.7
9 8	0 14.79	+ 5 57.6	1.687	2.654	7.7	20.5
9 18	0 6.70	+ 4 42.0	1.655	2.653	3.4	20.2
9 28	23 58.06	+ 3 17.7	1.652	2.651	2.0	20.1
10 8	23 49.91	+ 1 53.1	1.676	2.649	6.2	20.4
10 18	23 43.14	+ 0 35.8	1.727	2.646	10.3	20.7
10 28	23 38.47	− 0 27.5	1.803	2.643	14.0	20.9

103067 1999 XA_{143} 9 23.4 62°.59 25°.9/22.2 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	1 16.64	−51 17.3	0.947	1.730	29.0	19.1
8 29	1 0.50	−55 37.2	1.025	1.806	27.2	19.4
9 8	0 38.57	−58 26.0	1.117	1.880	26.3	19.6
9 18	0 14.44	−59 42.7	1.224	1.951	25.9	19.9
9 28	23 52.46	−59 38.0	1.342	2.019	26.0	20.1
10 8	23 35.70	−58 31.7	1.471	2.084	26.1	20.4
10 18	23 25.09	−56 43.4	1.607	2.146	26.1	20.7
10 28	23 20.23	−54 28.8	1.750	2.205	26.0	20.9

5830 Simohiro 9 23.4 246°.61 2°.7/21.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.80	− 4 3.3	1.713	2.576	14.5	19.0
8 29	0 24.56	− 4 45.9	1.628	2.560	10.9	18.8
9 8	0 16.93	− 5 37.7	1.564	2.543	6.8	18.5
9 18	0 7.52	− 6 32.8	1.527	2.526	3.1	18.2
9 28	23 57.34	− 7 23.9	1.517	2.509	4.3	18.3
10 8	23 47.56	− 8 3.8	1.535	2.490	8.6	18.5
10 18	23 39.29	− 8 27.4	1.577	2.471	12.8	18.7
10 28	23 33.39	− 8 31.9	1.642	2.451	16.5	18.9

340413 2006 FS_{9} 9 23.4 161°.09 1°.8/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.20	+ 8 51.3	2.040	2.861	14.1	22.0
8 29	0 20.58	+ 8 18.8	1.963	2.866	10.9	21.8
9 8	0 14.14	+ 7 29.5	1.908	2.870	7.4	21.6
9 18	0 6.44	+ 6 26.1	1.879	2.874	3.6	21.4
9 28	23 58.30	+ 5 13.9	1.878	2.877	2.1	21.3
10 8	23 50.62	+ 3 59.6	1.906	2.880	5.5	21.5
10 18	23 44.18	+ 2 49.9	1.962	2.882	9.2	21.8
10 28	23 39.62	+ 1 50.7	2.042	2.884	12.5	22.0

266898 2009 WY_{105} 9 23.4 281°.40 1°.3/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.24	+ 8 34.2	4.428	5.229	7.4	21.1
8 29	0 13.79	+ 8 26.8	4.333	5.223	5.8	20.9
9 8	0 9.53	+ 8 12.2	4.263	5.216	4.0	20.8
9 18	0 4.74	+ 7 51.5	4.220	5.210	2.1	20.7
9 28	23 59.74	+ 7 26.3	4.208	5.203	1.4	20.6
10 8	23 54.89	+ 6 58.7	4.225	5.197	2.8	20.7
10 18	23 50.53	+ 6 30.9	4.272	5.190	4.7	20.8
10 28	23 46.96	+ 6 5.4	4.346	5.184	6.4	21.0

433989 2000 AZ_{213} 9 23.4 301°.47 2°.9/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.90	+16 55.3	4.338	5.089	8.3	21.1
8 29	0 14.33	+17 1.1	4.239	5.084	6.8	21.0
9 8	0 9.89	+16 57.0	4.164	5.078	5.3	20.9
9 18	0 4.88	+16 43.4	4.114	5.073	3.8	20.8
9 28	23 59.63	+16 21.3	4.094	5.068	2.9	20.7
10 8	23 54.53	+15 52.7	4.102	5.063	3.5	20.7
10 18	23 49.94	+15 19.9	4.140	5.058	4.9	20.8
10 28	23 46.20	+14 45.9	4.205	5.053	6.5	20.9

513781 2013 AX_{40} 9 23.4 276°.01 2°.2/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.56	− 2 44.7	1.900	2.766	13.1	21.6
8 29	0 19.53	− 3 40.4	1.823	2.757	9.8	21.3
9 8	0 13.59	− 4 45.8	1.768	2.749	6.0	21.1
9 18	0 6.28	− 5 55.2	1.740	2.740	2.6	20.9
9 28	23 58.45	− 7 1.5	1.740	2.731	3.8	20.9
10 8	23 51.02	− 7 57.7	1.767	2.723	7.6	21.2
10 18	23 44.86	− 8 38.8	1.819	2.714	11.3	21.4
10 28	23 40.65	− 9 1.6	1.894	2.705	14.5	21.6

390025 2012 UY_{32} 9 23.4 258°.79 1°.4/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 35.45	− 4 16.9	1.843	2.692	14.2	20.6
8 29	0 28.59	− 4 3.3	1.758	2.681	10.8	20.3
9 8	0 19.35	− 3 53.8	1.696	2.671	6.8	20.1
9 18	0 8.37	− 3 45.3	1.660	2.661	2.5	19.8
9 28	23 56.70	− 3 34.2	1.654	2.650	2.9	19.8
10 8	23 45.52	− 3 17.1	1.677	2.639	7.3	20.1
10 18	23 35.90	− 2 51.6	1.727	2.629	11.4	20.3
10 28	23 28.68	− 2 16.4	1.800	2.618	15.0	20.5

147889 2006 RK_{31} 9 23.4 329°.33 0°.6/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.89	+ 0 20.5	1.686	2.548	14.7	19.8
8 29	0 20.77	+ 0 3.5	1.608	2.539	11.1	19.5
9 8	0 14.49	− 0 24.6	1.553	2.531	7.0	19.3
9 18	0 6.64	− 1 0.1	1.521	2.523	2.4	19.0
9 28	23 58.18	− 1 37.3	1.517	2.515	2.5	19.0
10 8	23 50.17	− 2 10.0	1.539	2.508	7.1	19.3
10 18	23 43.62	− 2 32.9	1.586	2.502	11.3	19.5
10 28	23 39.26	− 2 42.2	1.656	2.495	15.0	19.7

184368 2005 JE_{119} 9 23.4 231°.54 3°.3/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.10	− 4 29.2	1.570	2.443	15.0	20.8
8 29	0 22.56	− 5 31.9	1.499	2.437	11.2	20.5
9 8	0 15.65	− 6 44.4	1.451	2.432	7.0	20.3
9 18	0 7.06	− 7 59.4	1.427	2.426	3.6	20.0
9 28	23 57.83	− 9 7.7	1.431	2.419	5.0	20.1
10 8	23 49.16	−10 1.3	1.460	2.413	9.2	20.4
10 18	23 42.11	−10 34.7	1.514	2.406	13.4	20.6
10 28	23 37.46	−10 45.6	1.589	2.399	16.9	20.8

421708 2014 PR_{21} 9 23.4 335°.86 0°.6/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.98	+ 0 52.7	2.101	2.955	12.5	21.0
8 29	0 18.15	+ 0 17.2	2.023	2.951	9.4	20.8
9 8	0 12.63	− 0 28.7	1.969	2.947	5.8	20.6
9 18	0 5.93	− 1 21.0	1.941	2.943	2.0	20.3
9 28	23 58.80	− 2 14.6	1.941	2.939	2.2	20.3
10 8	23 52.06	− 3 3.5	1.969	2.936	6.0	20.6
10 18	23 46.43	− 3 43.0	2.024	2.933	9.6	20.8
10 28	23 42.53	− 4 9.4	2.102	2.930	12.7	21.0

217819 2001 DJ_{53} 9 23.4 285°.10 2°.9/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.17	+ 9 29.9	2.232	3.043	13.3	20.2
8 29	0 21.35	+ 9 46.5	2.137	3.030	10.6	20.0
9 8	0 14.70	+ 9 49.7	2.064	3.017	7.5	19.8
9 18	0 6.71	+ 9 40.1	2.017	3.004	4.3	19.6
9 28	23 58.13	+ 9 19.8	1.998	2.992	3.0	19.5
10 8	23 49.82	+ 8 52.5	2.007	2.979	5.4	19.6
10 18	23 42.61	+ 8 23.0	2.044	2.966	8.8	19.8
10 28	23 37.19	+ 7 56.2	2.105	2.953	11.9	20.0

433292 2013 CL_{141} 9 23.4 246°.99 1°.4/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.30	− 6 30.6	4.700	5.554	6.1	21.5
8 29	0 13.04	− 7 3.1	4.619	5.548	4.5	21.3
9 8	0 9.06	− 7 37.6	4.564	5.541	2.8	21.2
9 18	0 4.59	− 8 12.0	4.538	5.534	1.5	21.1
9 28	23 59.96	− 8 43.9	4.542	5.527	2.1	21.1
10 8	23 55.47	− 9 11.3	4.576	5.520	3.7	21.3
10 18	23 51.44	− 9 32.3	4.638	5.513	5.4	21.4
10 28	23 48.14	− 9 45.9	4.726	5.505	6.9	21.5

365363 2009 TK_{3} 9 23.4 13°.62 6°.6/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.76	+20 31.3	1.450	2.253	19.6	19.7
8 29	0 14.93	+20 22.1	1.388	2.262	16.4	19.5
9 8	0 10.91	+19 41.0	1.343	2.272	12.8	19.3
9 18	0 5.37	+18 28.4	1.318	2.285	9.1	19.1
9 28	23 59.33	+16 49.4	1.317	2.298	6.7	19.0
10 8	23 53.92	+14 54.0	1.341	2.313	7.5	19.1
10 18	23 50.06	+12 54.2	1.389	2.329	10.5	19.3
10 28	23 48.45	+11 1.8	1.461	2.347	13.9	19.6

77537 2001 HJ_{63} 9 23.4 171°.73 1°.2/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.65	− 1 14.1	1.653	2.510	15.2	19.6
8 29	0 25.06	− 1 34.2	1.583	2.512	11.4	19.4
9 8	0 17.14	− 2 4.2	1.535	2.513	7.1	19.2
9 18	0 7.59	− 2 39.4	1.513	2.514	2.5	18.9
9 28	23 57.47	− 3 13.9	1.518	2.515	2.9	18.9
10 8	23 47.98	− 3 41.5	1.551	2.516	7.5	19.2
10 18	23 40.13	− 3 57.8	1.609	2.516	11.8	19.5
10 28	23 34.69	− 3 59.6	1.689	2.516	15.4	19.7

36518 2000 QC_{77} 9 23.4 298°.23 0°.3/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.18	+ 2 9.2	2.005	2.855	13.2	19.5
8 29	0 19.15	+ 1 34.5	1.926	2.850	9.9	19.2
9 8	0 13.31	+ 0 47.8	1.869	2.845	6.2	19.0
9 18	0 6.21	− 0 7.0	1.838	2.840	2.2	18.7
9 28	23 58.61	− 1 4.5	1.836	2.834	2.1	18.7
10 8	23 51.42	− 1 58.3	1.861	2.829	6.2	19.0
10 18	23 45.42	− 2 43.1	1.913	2.824	9.9	19.2
10 28	23 41.25	− 3 14.7	1.988	2.819	13.2	19.4

105923 2000 SX_{210} 9 23.4 47°.77 6°.0/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.98	−15 51.5	1.926	2.798	12.7	18.8
8 29	0 22.67	−16 38.6	1.873	2.804	9.8	18.6
9 8	0 15.43	−17 22.2	1.843	2.809	7.2	18.5
9 18	0 6.92	−17 55.8	1.839	2.815	6.0	18.4
9 28	23 58.08	−18 13.3	1.862	2.821	7.3	18.5
10 8	23 49.88	−18 11.4	1.911	2.827	9.8	18.7
10 18	23 43.14	−17 49.3	1.984	2.833	12.6	18.9
10 28	23 38.47	−17 8.2	2.078	2.839	15.1	19.1

385075 2012 UJ_{86} 9 23.4 94°.05 1°.5/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.97	+ 7 9.4	1.823	2.656	15.0	21.2
8 29	0 21.26	+ 6 43.4	1.759	2.670	11.5	21.0
9 8	0 14.61	+ 6 1.2	1.717	2.683	7.6	20.8
9 18	0 6.65	+ 5 6.1	1.700	2.697	3.4	20.5
9 28	23 58.30	+ 4 3.6	1.711	2.710	2.0	20.5
10 8	23 50.53	+ 3 0.7	1.749	2.723	5.9	20.8
10 18	23 44.19	+ 2 3.9	1.814	2.735	9.8	21.0
10 28	23 39.90	+ 1 18.6	1.903	2.748	13.1	21.3

295086 2008 EF_{142} 9 23.4 123°.52 3°.6/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 28.98	+10 57.9	1.618	2.439	17.1	21.0
8 29	0 23.90	+11 4.0	1.547	2.445	13.6	20.8
9 8	0 16.47	+10 50.0	1.497	2.452	9.6	20.6
9 18	0 7.37	+10 16.9	1.470	2.458	5.5	20.3
9 28	23 57.68	+ 9 28.8	1.470	2.464	3.7	20.2
10 8	23 48.61	+ 8 32.5	1.496	2.470	6.6	20.4
10 18	23 41.19	+ 7 35.9	1.549	2.476	10.7	20.7
10 28	23 36.21	+ 6 46.4	1.624	2.481	14.4	20.9

322202 2010 XM_{85} 9 23.4 300°.45 2°.7/20.3 18

8 19	0 22.42	− 5 10.0	2.195	3.061	11.6	20.6
8 29	0 18.40	− 6 5.3	2.123	3.058	8.6	20.5
9 8	0 12.75	− 7 6.7	2.076	3.056	5.4	20.3
9 18	0 5.99	− 8 8.9	2.056	3.053	2.8	20.1
9 28	23 58.83	− 9 6.0	2.063	3.050	4.0	20.2
10 8	23 52.07	− 9 52.4	2.099	3.048	7.1	20.4
10 18	23 46.40	−10 24.4	2.161	3.045	10.3	20.5
10 28	23 42.40	−10 39.7	2.245	3.043	13.0	20.7

34469 2000 SM_{110} 9 23.4 7°.66 0°.4/23.8 18 R

8 19	0 23.04	+ 3 42.9	1.840	2.690	14.2	19.1
8 29	0 19.15	+ 3 16.2	1.768	2.691	10.8	18.9
9 8	0 13.36	+ 2 36.0	1.718	2.692	6.9	18.6
9 18	0 6.23	+ 1 45.8	1.693	2.693	2.6	18.4
9 28	23 58.64	+ 0 51.3	1.695	2.694	1.9	18.3
10 8	23 51.52	− 0 1.1	1.724	2.696	6.2	18.6
10 18	23 45.71	− 0 45.6	1.780	2.698	10.1	18.9
10 28	23 41.86	− 1 17.4	1.859	2.701	13.5	19.1

304225 2006 QX_{163} 9 23.4 321°.00 1°.2/24.6 18

8 19	0 20.06	+ 7 5.7	1.583	2.435	16.0	20.2
8 29	0 17.41	+ 6 27.9	1.492	2.415	12.4	19.9
9 8	0 12.56	+ 5 29.0	1.422	2.394	8.2	19.6
9 18	0 6.04	+ 4 12.0	1.376	2.374	3.6	19.3
9 28	23 58.75	+ 2 43.7	1.355	2.355	2.1	19.2
10 8	23 51.81	+ 1 13.6	1.361	2.337	6.9	19.4
10 18	23 46.25	− 0 8.9	1.391	2.319	11.6	19.7
10 28	23 42.93	− 1 15.5	1.444	2.302	15.8	19.9

458194 2010 QG_3 9 23.4 37°.95 0°.4/23.8 17

8 19	0 24.75	+ 4 47.9	1.011	1.892	20.7	20.5
8 29	0 21.44	+ 4 10.9	0.968	1.907	15.7	20.3
9 8	0 15.18	+ 3 10.9	0.942	1.922	10.0	20.0
9 18	0 6.92	+ 1 54.8	0.937	1.939	3.7	19.7
9 28	23 58.16	+ 0 33.6	0.956	1.956	2.7	19.7
10 8	23 50.46	− 0 40.4	0.998	1.974	8.7	20.2
10 18	23 45.04	− 1 37.7	1.061	1.993	14.0	20.5
10 28	23 42.64	− 2 12.5	1.144	2.012	18.3	20.9

138962 2001 CP_7 9 23.4 123°.36 0°.4/23.1 17

8 19	0 30.22	+ 1 51.4	1.729	2.576	15.1	20.6
8 29	0 24.50	+ 1 19.2	1.669	2.591	11.4	20.4
9 8	0 16.65	+ 0 34.6	1.631	2.606	7.1	20.2
9 18	0 7.39	− 0 17.8	1.619	2.620	2.5	19.9
9 28	23 57.74	− 1 11.7	1.635	2.634	2.3	19.9
10 8	23 48.79	− 2 0.3	1.679	2.647	6.8	20.2
10 18	23 41.44	− 2 38.1	1.750	2.659	10.8	20.5
10 28	23 36.35	− 3 1.6	1.843	2.671	14.2	20.8

11146 Kirigamine 9 23.4 108°.15 1°.7/21.7 18

8 19	0 24.81	− 2 18.5	1.985	2.846	12.9	17.4
8 29	0 20.32	− 2 58.6	1.916	2.847	9.6	17.2
9 8	0 14.02	− 3 46.8	1.870	2.849	5.9	17.0
9 18	0 6.47	− 4 38.6	1.850	2.851	2.3	16.8
9 28	23 58.49	− 5 27.8	1.858	2.852	3.1	16.8
10 8	23 50.99	− 6 8.9	1.894	2.854	6.9	17.1
10 18	23 44.76	− 6 37.5	1.956	2.855	10.4	17.3
10 28	23 40.40	− 6 51.0	2.041	2.857	13.5	17.5

340414 2006 FC_{10} 9 23.4 149°.72 4°.1/28.3 18

8 19	0 27.07	+15 46.8	2.334	3.109	13.9	21.5
8 29	0 21.82	+15 43.8	2.254	3.119	11.3	21.3
9 8	0 14.87	+15 22.7	2.197	3.128	8.4	21.2
9 18	0 6.76	+14 44.3	2.164	3.137	5.6	21.0
9 28	23 58.25	+13 51.2	2.160	3.145	4.1	20.9
10 8	23 50.16	+12 48.5	2.184	3.152	5.4	21.0
10 18	23 43.23	+11 42.2	2.237	3.159	8.2	21.2
10 28	23 38.07	+10 38.5	2.316	3.165	10.9	21.4

321028 2008 OV_5 9 23.4 105°.15 2°.3/20.1 18

8 19	0 21.75	− 3 52.2	2.552	3.410	10.4	20.7
8 29	0 17.59	− 5 9.8	2.494	3.426	7.7	20.5
9 8	0 12.09	− 6 33.3	2.462	3.441	4.7	20.3
9 18	0 5.73	− 7 57.3	2.459	3.457	2.4	20.2
9 28	23 59.13	− 9 16.0	2.486	3.472	3.5	20.3
10 8	23 52.92	−10 24.1	2.542	3.487	6.3	20.5
10 18	23 47.68	−11 17.9	2.625	3.501	9.0	20.7
10 28	23 43.86	−11 55.4	2.733	3.515	11.3	20.9

404055 2012 DV_{16} 9 23.4 332°.04 1°.6/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 26.12	− 3 34.5	2.075	2.934	12.5	20.7
8 29	0 21.26	− 3 51.5	2.000	2.931	9.3	20.5
9 8	0 14.60	− 4 14.4	1.949	2.927	5.8	20.2
9 18	0 6.68	− 4 39.5	1.924	2.924	2.3	20.0
9 28	23 58.32	− 5 2.1	1.927	2.921	3.0	20.1
10 8	23 50.39	− 5 17.8	1.958	2.919	6.6	20.3
10 18	23 43.69	− 5 23.4	2.016	2.916	10.1	20.5
10 28	23 38.85	− 5 16.7	2.097	2.914	13.1	20.7

210428 2008 SM_{168} 9 23.4 316°.14 4°.9/28.1 18

8 19	0 20.15	+15 36.2	1.496	2.316	18.3	19.4
8 29	0 17.72	+15 23.1	1.401	2.294	15.1	19.2
9 8	0 12.90	+14 41.3	1.325	2.273	11.3	18.9
9 18	0 6.22	+13 30.4	1.270	2.252	7.3	18.6
9 28	23 58.64	+11 54.1	1.240	2.231	4.9	18.4
10 8	23 51.40	+10 1.8	1.235	2.212	7.3	18.5
10 18	23 45.65	+ 8 5.4	1.254	2.192	11.6	18.7
10 28	23 42.35	+ 6 17.2	1.296	2.174	15.9	18.9

92968 2000 RA_{52} 9 23.4 299°.62 4°.1/27.9 18

8 19	0 23.35	+14 33.9	2.149	2.943	14.3	19.5
8 29	0 19.28	+14 36.4	2.061	2.938	11.7	19.3
9 8	0 13.43	+14 20.7	1.995	2.934	8.7	19.1
9 18	0 6.30	+13 47.0	1.953	2.929	5.7	18.9
9 28	23 58.65	+12 58.0	1.937	2.925	4.1	18.8
10 8	23 51.35	+11 58.8	1.950	2.920	5.7	18.9
10 18	23 45.18	+10 55.7	1.989	2.916	8.7	19.1
10 28	23 40.81	+ 9 55.3	2.053	2.912	11.7	19.3

55322 2001 SH_{82} 9 23.5 249°.57 0°.7/24.1 18

8 19	0 25.28	+ 5 31.6	1.728	2.572	15.2	19.9
8 29	0 21.11	+ 4 52.9	1.643	2.562	11.7	19.6
9 8	0 14.77	+ 3 56.6	1.580	2.552	7.6	19.4
9 18	0 6.82	+ 2 46.3	1.541	2.541	3.0	19.1
9 28	23 58.21	+ 1 28.4	1.530	2.530	2.0	19.0
10 8	23 50.01	+ 0 11.4	1.547	2.519	6.7	19.3
10 18	23 43.21	− 0 57.0	1.589	2.507	11.1	19.5
10 28	23 38.59	− 1 50.3	1.654	2.495	14.9	19.7

219259 2000 AS_{43} 9 23.5 313°.97 0°.0/23.4 18

8 19	0 22.96	+ 2 24.0	2.183	3.029	12.4	20.8
8 29	0 18.86	+ 1 58.4	2.103	3.024	9.4	20.6
9 8	0 13.09	+ 1 22.2	2.046	3.020	5.9	20.4
9 18	0 6.16	+ 0 38.3	2.015	3.015	2.1	20.2
9 28	23 58.79	− 0 8.4	2.012	3.011	1.8	20.1
10 8	23 51.78	− 0 52.7	2.037	3.007	5.6	20.4
10 18	23 45.87	− 1 29.9	2.090	3.003	9.1	20.6
10 28	23 41.64	− 1 56.2	2.166	2.999	12.2	20.8

13790 1998 UF_{31} 9 23.5 245°.51 1°.6/19.9 18

8 19	0 16.86	− 7 58.5	4.733	5.588	6.0	19.3
8 29	0 13.47	− 8 27.7	4.652	5.581	4.5	19.2
9 8	0 9.35	− 8 58.3	4.598	5.574	2.8	19.0
9 18	0 4.75	− 9 28.1	4.573	5.567	1.7	18.9
9 28	23 59.98	− 9 54.9	4.579	5.560	2.3	19.0
10 8	23 55.36	−10 16.8	4.614	5.553	3.8	19.1
10 18	23 51.20	−10 32.1	4.677	5.546	5.5	19.2
10 28	23 47.78	−10 39.7	4.766	5.539	7.0	19.3

326483 2002 CR_{173} 9 23.5 202°.16 2°.8/19.7 18

8 19	0 23.08	− 6 43.4	2.635	3.494	10.1	21.4
8 29	0 18.66	− 7 43.9	2.559	3.491	7.5	21.2
9 8	0 12.83	− 8 48.8	2.509	3.487	4.8	21.0
9 18	0 6.04	− 9 53.3	2.488	3.482	2.8	20.9
9 28	23 58.90	−10 52.2	2.496	3.477	3.9	21.0
10 8	23 52.08	−11 40.8	2.532	3.472	6.6	21.1
10 18	23 46.18	−12 15.8	2.596	3.466	9.3	21.3
10 28	23 41.71	−12 35.4	2.683	3.460	11.7	21.5

408827 2001 PF_{42} 9 23.5 355°.29 4°.8/29.5 18

8 19	0 16.41	+18 56.1	1.808	2.602	16.6	19.7
8 29	0 14.37	+18 16.4	1.723	2.596	13.8	19.4
9 8	0 10.47	+17 8.6	1.657	2.592	10.4	19.2
9 18	0 5.26	+15 33.9	1.615	2.588	7.0	19.0
9 28	23 59.54	+13 37.4	1.598	2.586	4.8	18.9
10 8	23 54.25	+11 28.2	1.609	2.584	6.1	19.0
10 18	23 50.20	+ 9 17.2	1.646	2.583	9.4	19.2
10 28	23 48.04	+ 7 15.0	1.709	2.584	12.9	19.4

449779 2014 OT_{134} 9 23.5 313°.85 6°.5/29.8 18

8 19	0 26.39	+19 9.0	2.110	2.874	15.5	20.7
8 29	0 21.74	+19 53.1	2.019	2.867	13.1	20.5
9 8	0 15.08	+20 18.3	1.948	2.860	10.4	20.3
9 18	0 6.94	+20 22.5	1.901	2.853	7.9	20.1
9 28	23 58.12	+20 6.0	1.879	2.846	6.5	20.0
10 8	23 49.59	+19 32.0	1.884	2.840	7.2	20.1
10 18	23 42.29	+18 46.0	1.915	2.833	9.5	20.2
10 28	23 36.96	+17 55.0	1.970	2.827	12.2	20.4

247785 2003 RK_{17} 9 23.5 48°.51 3°.7/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 24.04	+19 51.5	1.348	2.149	20.9	19.0
8 29	0 20.15	+17 52.8	1.304	2.187	16.7	18.9
9 8	0 13.96	+15 17.6	1.279	2.225	11.8	18.7
9 18	0 6.41	+12 14.0	1.279	2.264	6.7	18.5
9 28	23 58.71	+ 8 56.2	1.307	2.302	3.7	18.4
10 8	23 52.02	+ 5 42.2	1.363	2.341	6.6	18.7
10 18	23 47.19	+ 2 47.2	1.448	2.380	10.9	19.1
10 28	23 44.76	+ 0 21.6	1.557	2.418	14.7	19.4

272523 2005 UN_{263} 9 23.5 196°.71 1°.1/22.3 15

8 19	0 27.09	+ 0 1.9	1.915	2.767	13.6	22.3
8 29	0 22.16	− 0 41.1	1.838	2.765	10.2	22.1
9 8	0 15.26	− 1 35.3	1.785	2.762	6.3	21.9
9 18	0 6.96	− 2 35.8	1.758	2.759	2.2	21.6
9 28	23 58.15	− 3 36.4	1.759	2.756	2.7	21.6
10 8	23 49.80	− 4 30.2	1.789	2.752	6.9	21.9
10 18	23 42.78	− 5 12.1	1.845	2.747	10.7	22.1
10 28	23 37.79	− 5 38.4	1.924	2.743	14.1	22.3

433130 2012 TZ_{185} 9 23.5 29°.46 14°.7/16.6 18

8 19	0 37.49	−31 45.2	1.120	1.991	19.9	18.7
8 29	0 30.59	−32 34.6	1.107	2.012	17.2	18.6
9 8	0 20.48	−32 56.9	1.111	2.035	15.3	18.6
9 18	0 8.66	−32 41.9	1.134	2.059	14.7	18.7
9 28	23 56.99	−31 45.2	1.178	2.085	15.6	18.8
10 8	23 47.17	−30 10.2	1.242	2.111	17.5	19.0
10 18	23 40.23	−28 5.2	1.326	2.139	19.7	19.3
10 28	23 36.65	−25 39.5	1.426	2.167	21.7	19.5

317253 2002 CM_{310} 9 23.5 123°.62 3°.4/26.9 17

8 19	0 27.75	+11 59.9	1.980	2.785	15.0	20.7
8 29	0 22.56	+11 57.8	1.909	2.796	12.0	20.6
9 8	0 15.45	+11 37.8	1.859	2.808	8.5	20.4
9 18	0 7.02	+11 1.2	1.834	2.819	5.0	20.2
9 28	23 58.16	+10 11.6	1.837	2.830	3.4	20.1
10 8	23 49.82	+ 9 14.8	1.868	2.840	5.7	20.3
10 18	23 42.84	+ 8 17.2	1.926	2.850	9.1	20.5
10 28	23 37.88	+ 7 25.3	2.009	2.860	12.3	20.7

39797 1997 TK_{18} 9 23.5 207°.32 1°.7/19.9 18 R

8 19	0 18.19	− 8 34.7	4.705	5.558	6.1	19.8
8 29	0 14.45	− 8 56.9	4.628	5.556	4.5	19.6
9 8	0 9.96	− 9 20.0	4.578	5.553	2.9	19.5
9 18	0 4.99	− 9 42.1	4.558	5.551	1.7	19.4
9 28	23 59.86	−10 0.9	4.567	5.549	2.3	19.5
10 8	23 54.89	−10 14.7	4.607	5.546	3.9	19.6
10 18	23 50.41	−10 22.1	4.675	5.543	5.5	19.7
10 28	23 46.69	−10 22.2	4.768	5.541	7.0	19.8

213917 2003 UD_{150} 9 23.5 26°.96 2°.2/21.7 17

8 19	0 22.90	+ 0 2.2	1.049	1.942	19.2	19.5
8 29	0 20.06	− 1 1.1	1.003	1.951	14.3	19.3
9 8	0 14.36	− 2 21.9	0.975	1.960	8.7	19.0
9 18	0 6.70	− 3 50.9	0.969	1.970	3.2	18.7
9 28	23 58.48	− 5 15.7	0.986	1.982	4.4	18.8
10 8	23 51.21	− 6 24.4	1.026	1.994	9.9	19.2
10 18	23 46.07	− 7 9.5	1.088	2.007	14.9	19.5
10 28	23 43.83	− 7 27.8	1.168	2.021	19.1	19.8

188823 2005 YY_{89} 9 23.5 1°.37 5°.6/17.2 18

8 19	0 22.18	−12 36.1	1.881	2.764	12.5	19.6
8 29	0 18.49	−13 53.9	1.824	2.763	9.5	19.4
9 8	0 12.94	−15 12.5	1.790	2.763	6.8	19.3
9 18	0 6.13	−16 24.2	1.782	2.763	5.6	19.2
9 28	23 58.91	−17 21.2	1.800	2.763	7.1	19.3
10 8	23 52.20	−17 58.2	1.844	2.764	9.9	19.5
10 18	23 46.79	−18 12.5	1.912	2.766	12.8	19.7
10 28	23 43.30	−18 4.0	2.000	2.767	15.4	19.9

143845 2003 XT_{38} 9 23.5 291°.90 5°.0/19.8 18

8 19	0 29.79	− 9 16.8	1.404	2.285	16.0	20.0
8 29	0 24.88	−10 2.7	1.338	2.279	12.1	19.7
9 8	0 17.29	−10 52.5	1.293	2.272	8.0	19.5
9 18	0 7.77	−11 38.4	1.272	2.265	5.1	19.3
9 28	23 57.54	−12 11.4	1.276	2.258	6.6	19.4
10 8	23 48.00	−12 25.0	1.305	2.252	10.7	19.6
10 18	23 40.35	−12 16.1	1.357	2.246	14.9	19.8
10 28	23 35.44	−11 44.5	1.429	2.239	18.5	20.1

42200 2001 DJ_{26} 9 23.5 344°.97 0°.3/22.9 18

8 19	0 17.45	− 0 5.9	4.317	5.154	6.9	19.3
8 29	0 13.97	− 0 23.3	4.235	5.153	5.2	19.1
9 8	0 9.70	− 0 44.9	4.178	5.152	3.2	19.0
9 18	0 4.91	− 1 9.1	4.150	5.151	1.1	18.8
9 28	23 59.94	− 1 33.6	4.153	5.151	1.1	18.8
10 8	23 55.13	− 1 56.4	4.185	5.150	3.2	19.0
10 18	23 50.84	− 2 15.5	4.247	5.149	5.2	19.1
10 28	23 47.35	− 2 29.2	4.335	5.149	6.9	19.3

356430 2010 VM_{178} 9 23.5 273°.01 1°.2/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 17.40	− 4 39.3	4.306	5.156	6.7	20.9
8 29	0 13.94	− 5 5.5	4.227	5.154	4.9	20.8
9 8	0 9.68	− 5 34.4	4.174	5.152	3.0	20.7
9 18	0 4.91	− 6 3.9	4.150	5.149	1.4	20.5
9 28	23 59.94	− 6 31.6	4.157	5.147	1.9	20.6
10 8	23 55.16	− 6 55.3	4.193	5.145	3.7	20.7
10 18	23 50.88	− 7 13.2	4.257	5.142	5.6	20.9
10 28	23 47.41	− 7 23.7	4.348	5.140	7.3	21.0

310587 2001 US_{103} 9 23.5 213°.71 3°.7/20.7 17

8 19	0 30.30	− 5 31.4	1.401	2.276	16.3	20.5
8 29	0 25.23	− 6 20.0	1.335	2.274	12.3	20.2
9 8	0 17.49	− 7 17.0	1.291	2.271	7.7	20.0
9 18	0 7.85	− 8 14.8	1.270	2.268	3.9	19.8
9 28	23 57.51	− 9 4.4	1.276	2.265	5.4	19.8
10 8	23 47.88	− 9 38.0	1.307	2.262	9.8	20.1
10 18	23 40.14	− 9 51.1	1.362	2.258	14.3	20.3
10 28	23 35.14	− 9 42.1	1.436	2.254	18.1	20.6

164679 1997 GJ_{12} 9 23.5 72°.80 0°.8/24.4 18

8 19	0 26.46	+ 7 32.2	1.788	2.621	15.3	20.7
8 29	0 21.47	+ 6 28.6	1.744	2.655	11.6	20.5
9 8	0 14.63	+ 5 8.2	1.721	2.690	7.4	20.4
9 18	0 6.68	+ 3 36.4	1.725	2.724	3.0	20.2
9 28	23 58.54	+ 2 1.0	1.757	2.757	1.8	20.2
10 8	23 51.15	+ 0 30.4	1.818	2.790	5.9	20.5
10 18	23 45.26	− 0 48.4	1.906	2.822	9.7	20.8
10 28	23 41.38	− 1 50.6	2.019	2.854	12.9	21.1

98123 2000 SG_{15} 9 23.5 209°.88 3°.0/25.9 18

8 19	0 28.64	+ 9 41.8	1.535	2.365	17.5	19.9
8 29	0 23.91	+ 9 38.1	1.457	2.362	13.8	19.7
9 8	0 16.65	+ 9 13.6	1.399	2.360	9.6	19.4
9 18	0 7.56	+ 8 29.7	1.364	2.356	5.1	19.2
9 28	23 57.72	+ 7 31.3	1.356	2.353	3.2	19.0
10 8	23 48.42	+ 6 26.2	1.374	2.349	6.9	19.3
10 18	23 40.81	+ 5 22.9	1.417	2.345	11.4	19.5
10 28	23 35.74	+ 4 29.4	1.483	2.340	15.5	19.8

220766 2004 TN_{121} 9 23.5 314°.97 1°.3/24.9 18

8 19	0 23.15	+ 6 35.2	2.232	3.061	12.7	20.6
8 29	0 18.98	+ 6 15.6	2.152	3.061	9.8	20.4
9 8	0 13.17	+ 5 42.7	2.095	3.060	6.5	20.2
9 18	0 6.23	+ 4 59.1	2.063	3.060	3.0	20.0
9 28	23 58.86	+ 4 8.8	2.060	3.059	1.8	19.9
10 8	23 51.87	+ 3 17.2	2.085	3.059	5.1	20.2
10 18	23 45.95	+ 2 29.3	2.138	3.058	8.6	20.4
10 28	23 41.71	+ 1 50.0	2.216	3.058	11.6	20.6

325764 2010 AF_{105} 9 23.5 17°.26 2°.0/21.7 18

8 19	0 25.75	− 4 20.8	1.865	2.731	13.3	20.1
8 29	0 21.11	− 4 38.0	1.801	2.735	9.9	19.9
9 8	0 14.56	− 5 0.9	1.760	2.740	6.1	19.7
9 18	0 6.72	− 5 25.1	1.745	2.745	2.6	19.5
9 28	23 58.48	− 5 45.7	1.757	2.751	3.4	19.5
10 8	23 50.79	− 5 57.9	1.796	2.757	7.1	19.8
10 18	23 44.47	− 5 58.8	1.861	2.764	10.7	20.0
10 28	23 40.15	− 5 46.5	1.949	2.771	13.8	20.3

404011 2012 CP_{10} 9 23.5 241°.76 1°.3/24.9 18

8 19	0 24.72	+ 6 16.4	2.470	3.292	11.9	21.9
8 29	0 20.08	+ 6 5.3	2.377	3.282	9.2	21.7
9 8	0 13.85	+ 5 42.6	2.307	3.271	6.1	21.5
9 18	0 6.48	+ 5 10.2	2.264	3.260	2.8	21.2
9 28	23 58.65	+ 4 31.2	2.250	3.249	1.7	21.1
10 8	23 51.09	+ 3 50.2	2.265	3.238	4.9	21.3
10 18	23 44.50	+ 3 11.5	2.309	3.226	8.2	21.5
10 28	23 39.48	+ 2 39.4	2.377	3.214	11.1	21.7

244432 2002 QM_{99} 9 23.5 341°.15 6°.3/16.8 18

8 19	0 19.46	− 9 22.3	1.443	2.340	14.7	19.8
8 29	0 17.03	−11 19.1	1.382	2.330	11.1	19.5
9 8	0 12.33	−13 23.4	1.342	2.322	7.7	19.3
9 18	0 6.01	−15 23.8	1.328	2.314	6.3	19.2
9 28	23 59.06	−17 7.6	1.339	2.307	8.4	19.3
10 8	23 52.66	−18 25.1	1.374	2.301	12.0	19.5
10 18	23 47.80	−19 11.0	1.431	2.296	15.7	19.7
10 28	23 45.27	−19 24.6	1.506	2.291	18.9	20.0

511700 2015 CS_{12} 9 23.5 79°.81 15°.7/ 2.1 18

8 19	0 29.89	−41 18.8	1.680	2.505	16.4	20.5
8 29	0 25.00	−43 53.7	1.677	2.516	15.7	20.5
9 8	0 17.29	−45 59.3	1.695	2.527	15.8	20.5
9 18	0 7.73	−47 25.3	1.733	2.537	16.5	20.6
9 28	23 57.72	−48 6.3	1.789	2.548	17.6	20.7
10 8	23 48.77	−48 2.7	1.861	2.559	18.8	20.9
10 18	23 42.00	−47 19.3	1.946	2.570	20.0	21.0
10 28	23 38.14	−46 3.1	2.042	2.580	21.0	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
208575 2002 CE_{33}			9 23.5 118°.21		2°.0/21.9 17	
	h m	° ′			°	m
8 19	0 32.17	− 2 27.4	1.522	2.384	16.0	20.5
8 29	0 26.25	− 2 59.9	1.465	2.397	12.0	20.3
9 8	0 17.90	− 3 41.8	1.431	2.410	7.4	20.0
9 18	0 7.94	− 4 27.2	1.421	2.422	2.8	19.8
9 28	23 57.54	− 5 8.9	1.439	2.434	3.6	19.9
10 8	23 47.96	− 5 40.4	1.483	2.445	8.1	20.2
10 18	23 40.22	− 5 57.2	1.553	2.456	12.4	20.4
10 28	23 35.05	− 5 57.2	1.644	2.466	15.9	20.7
290933 2005 WK_{140}			9 23.5 259°.00		2°.3/20.9 18	
8 19	0 23.48	− 4 30.3	2.238	3.100	11.6	20.5
8 29	0 19.19	− 5 15.1	2.166	3.098	8.6	20.3
9 8	0 13.29	− 6 5.9	2.117	3.096	5.3	20.1
9 18	0 6.28	− 6 58.0	2.096	3.095	2.5	19.9
9 28	23 58.88	− 7 46.0	2.103	3.093	3.5	20.0
10 8	23 51.87	− 8 24.8	2.139	3.091	6.7	20.2
10 18	23 45.95	− 8 50.9	2.200	3.090	9.9	20.4
10 28	23 41.70	− 9 1.9	2.285	3.088	12.7	20.6
387757 2003 SR_{68}			9 23.5 321°.51		2°.5/25.7 18	
8 19	0 24.79	+ 8 46.0	1.658	2.494	16.1	21.1
8 29	0 20.82	+ 8 39.7	1.579	2.488	12.7	20.8
9 8	0 14.64	+ 8 14.9	1.520	2.483	8.7	20.6
9 18	0 6.84	+ 7 33.1	1.484	2.478	4.5	20.3
9 28	23 58.39	+ 6 39.1	1.475	2.473	2.8	20.2
10 8	23 50.39	+ 5 39.9	1.492	2.468	6.4	20.4
10 18	23 43.86	+ 4 43.1	1.535	2.463	10.7	20.7
10 28	23 39.59	+ 3 55.6	1.601	2.459	14.5	20.9
159318 2006 BG_{207}			9 23.5 47°.02		4°.0/19.8 17	
8 19	0 24.03	− 4 31.4	1.352	2.238	16.2	19.3
8 29	0 20.27	− 5 58.7	1.311	2.256	11.9	19.1
9 8	0 14.19	− 7 34.7	1.292	2.275	7.4	18.9
9 18	0 6.61	− 9 9.5	1.297	2.294	4.1	18.7
9 28	23 58.68	−10 32.5	1.328	2.314	5.8	18.9
10 8	23 51.60	−11 35.0	1.383	2.334	9.8	19.2
10 18	23 46.30	−12 12.7	1.462	2.354	13.7	19.5
10 28	23 43.41	−12 24.5	1.561	2.375	17.0	19.7
264083 2009 SM_{246}			9 23.5 279°.39		1°.5/20.5 18	
8 19	0 17.61	− 6 25.3	4.309	5.162	6.6	21.7
8 29	0 14.12	− 6 52.7	4.225	5.153	4.9	21.6
9 8	0 9.83	− 7 22.2	4.168	5.145	3.1	21.5
9 18	0 4.99	− 7 51.5	4.140	5.136	1.6	21.3
9 28	23 59.96	− 8 18.4	4.141	5.128	2.2	21.4
10 8	23 55.09	− 8 40.4	4.173	5.119	4.0	21.5
10 18	23 50.72	− 8 56.0	4.232	5.110	5.8	21.6
10 28	23 47.17	− 9 3.7	4.318	5.102	7.5	21.8
394475 2007 TL_{27}			9 23.5 328°.70		0°.3/23.7 17	
8 19	0 24.02	+ 3 36.0	1.680	2.534	15.1	21.0
8 29	0 20.16	+ 3 7.9	1.604	2.529	11.5	20.7
9 8	0 14.18	+ 2 24.7	1.549	2.524	7.4	20.5
9 18	0 6.66	+ 1 30.4	1.519	2.519	2.8	20.2
9 28	23 58.56	+ 0 31.1	1.516	2.515	2.1	20.1
10 8	23 50.93	− 0 25.8	1.539	2.511	6.7	20.4
10 18	23 44.73	− 1 13.6	1.588	2.507	11.0	20.7
10 28	23 40.70	− 1 47.2	1.659	2.504	14.7	20.9
103986 2000 DB_{90}			9 23.5 42°.92		0°.4/23.8 16	
8 19	0 26.31	+ 3 53.5	1.191	2.062	18.9	20.1
8 29	0 22.28	+ 3 25.5	1.145	2.079	14.3	19.9
9 8	0 15.59	+ 2 38.8	1.119	2.097	9.1	19.7
9 18	0 7.14	+ 1 39.2	1.115	2.115	3.4	19.4
9 28	23 58.26	+ 0 35.4	1.135	2.135	2.5	19.4
10 8	23 50.34	− 0 22.9	1.180	2.155	7.9	19.8
10 18	23 44.47	− 1 8.1	1.248	2.175	12.8	20.1
10 28	23 41.35	− 1 35.1	1.337	2.195	16.8	20.4
147836 2005 TN_{125}			9 23.5 216°.93		0°.2/23.1 18	
8 19	0 20.14	+ 0 58.1	3.608	4.442	8.2	21.1
8 29	0 16.15	+ 0 34.0	3.520	4.436	6.2	20.9
9 8	0 11.15	+ 0 4.1	3.458	4.431	3.8	20.8
9 18	0 5.48	− 0 29.6	3.424	4.425	1.3	20.6
9 28	23 59.56	− 1 4.3	3.420	4.418	1.3	20.6
10 8	23 53.83	− 1 37.2	3.447	4.412	3.8	20.8
10 18	23 48.74	− 2 5.6	3.502	4.406	6.1	20.9
10 28	23 44.64	− 2 27.2	3.584	4.399	8.2	21.1
377308 2004 GB_{16}			9 23.5 142°.61		4°.6/19.5 17	
8 19	0 30.46	− 9 42.6	1.716	2.586	14.1	20.9
8 29	0 24.80	−10 34.6	1.658	2.593	10.6	20.7
9 8	0 16.94	−11 29.0	1.623	2.599	7.0	20.5
9 18	0 7.61	−12 18.6	1.614	2.605	4.6	20.4
9 28	23 57.85	−12 56.2	1.632	2.611	6.0	20.5
10 8	23 48.78	−13 16.6	1.677	2.616	9.4	20.7
10 18	23 41.34	−13 17.2	1.747	2.621	12.8	21.0
10 28	23 36.22	−12 58.0	1.837	2.625	15.8	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
451864 2014 HZ_{2}			9 23.5 225°.85		19°.9/ 5.9 17	
	h m	° ′			°	m
8 19	0 43.11	−41 56.6	1.210	2.040	21.2	21.1
8 29	0 36.04	−44 7.4	1.185	2.036	20.2	21.0
9 8	0 24.69	−45 44.0	1.178	2.031	20.0	21.0
9 18	0 10.45	−46 30.7	1.186	2.025	20.6	21.0
9 28	23 55.63	−46 18.2	1.212	2.020	21.8	21.1
10 8	23 42.60	−45 7.6	1.252	2.013	23.5	21.2
10 18	23 33.07	−43 7.4	1.306	2.007	25.3	21.4
10 28	23 27.82	−40 29.4	1.371	2.000	26.9	21.5
476778 2008 UF_{128}			9 23.5 33°.28		9°.2/16.2 18	
8 19	0 29.43	−20 18.6	1.455	2.337	15.4	20.4
8 29	0 24.34	−21 28.3	1.415	2.345	12.4	20.2
9 8	0 16.75	−22 29.0	1.395	2.352	10.0	20.1
9 18	0 7.53	−23 10.9	1.399	2.361	9.2	20.1
9 28	23 57.96	−23 26.4	1.428	2.370	10.7	20.2
10 8	23 49.31	−23 12.0	1.479	2.379	13.3	20.4
10 18	23 42.63	−22 29.0	1.551	2.388	16.1	20.6
10 28	23 38.57	−21 21.2	1.642	2.398	18.7	20.8
446591 2014 SQ_{302}			9 23.5 299°.84		3°.1/27.3 18	
8 19	0 21.92	+12 49.8	2.312	3.113	13.2	20.8
8 29	0 18.09	+12 37.2	2.223	3.108	10.6	20.6
9 8	0 12.66	+12 7.9	2.156	3.103	7.7	20.4
9 18	0 6.09	+11 22.9	2.115	3.098	4.7	20.2
9 28	23 59.07	+10 25.6	2.101	3.093	3.1	20.1
10 8	23 52.36	+ 9 21.0	2.115	3.088	5.1	20.2
10 18	23 46.68	+ 8 15.2	2.157	3.084	8.1	20.4
10 28	23 42.62	+ 7 14.1	2.224	3.079	11.1	20.6
277899 2006 KC_{49}			9 23.5 168°.45		0°.9/22.6 18	
8 19	0 25.22	+ 0 48.1	1.894	2.748	13.7	21.0
8 29	0 20.78	+ 0 4.7	1.822	2.749	10.3	20.8
9 8	0 14.41	− 0 50.4	1.773	2.750	6.4	20.5
9 18	0 6.72	− 1 52.3	1.750	2.751	2.2	20.3
9 28	23 58.57	− 2 54.8	1.755	2.752	2.5	20.3
10 8	23 50.89	− 3 51.0	1.787	2.753	6.7	20.6
10 18	23 44.52	− 4 35.7	1.846	2.753	10.5	20.8
10 28	23 40.13	− 5 4.9	1.928	2.753	13.8	21.0
50368 2000 CY_{81}			9 23.5 293°.87		1°.9/21.9 18	
8 19	0 25.26	− 0 52.8	1.445	2.318	16.1	19.4
8 29	0 21.54	− 1 40.6	1.365	2.303	12.1	19.1
9 8	0 15.29	− 2 43.0	1.306	2.287	7.6	18.8
9 18	0 7.14	− 3 53.8	1.271	2.272	2.8	18.5
9 28	23 58.17	− 5 4.2	1.262	2.257	3.9	18.5
10 8	23 49.66	− 6 4.9	1.278	2.243	8.8	18.8
10 18	23 42.79	− 6 48.4	1.318	2.228	13.6	19.0
10 28	23 38.46	− 7 10.2	1.379	2.214	17.7	19.2
219289 2000 CG_{127}			9 23.5 226°.23		1°.3/25.1 18	
8 19	0 23.52	+ 6 39.3	2.569	3.390	11.5	21.0
8 29	0 19.10	+ 6 24.8	2.481	3.385	8.9	20.8
9 8	0 13.20	+ 5 59.0	2.416	3.379	5.9	20.6
9 18	0 6.27	+ 5 23.5	2.378	3.374	2.8	20.4
9 28	23 58.93	+ 4 41.9	2.369	3.368	1.7	20.3
10 8	23 51.89	+ 3 58.2	2.389	3.362	4.6	20.5
10 18	23 45.78	+ 3 17.1	2.438	3.356	7.8	20.7
10 28	23 41.14	+ 2 42.4	2.512	3.349	10.6	20.9
517025 2012 UU_{179}			9 23.5 272°.09		7°.2/16.4 18	
8 19	0 27.11	−16 28.4	1.780	2.658	13.3	21.6
8 29	0 22.43	−17 44.6	1.716	2.648	10.5	21.5
9 8	0 15.56	−18 58.6	1.675	2.638	8.0	21.3
9 18	0 7.17	−20 1.8	1.658	2.629	7.2	21.2
9 28	23 58.21	−20 46.0	1.668	2.619	8.7	21.3
10 8	23 49.79	−21 5.8	1.703	2.609	11.5	21.4
10 18	23 42.87	−20 59.5	1.761	2.599	14.5	21.6
10 28	23 38.18	−20 28.1	1.838	2.589	17.1	21.8
510552 2012 LC_{8}			9 23.5 2°.60		3°.0/21.3 18	
8 19	0 17.93	− 2 18.2	0.920	1.832	19.5	19.9
8 29	0 16.73	− 3 4.7	0.871	1.828	14.6	19.6
9 8	0 12.53	− 4 6.8	0.839	1.827	9.0	19.3
9 18	0 6.17	− 5 15.3	0.827	1.828	3.7	19.0
9 28	23 59.09	− 6 18.0	0.836	1.832	5.2	19.2
10 8	23 52.88	− 7 3.3	0.866	1.837	10.8	19.5
10 18	23 48.84	− 7 24.1	0.916	1.844	16.0	19.8
10 28	23 47.82	− 7 17.8	0.984	1.853	20.5	20.1
332030 2005 PK_{15}			9 23.5 15°.07		2°.7/21.6 17	
8 19	0 22.70	− 2 18.6	1.034	1.933	18.9	19.9
8 29	0 20.00	− 3 1.1	0.987	1.938	14.1	19.6
9 8	0 14.41	− 3 57.1	0.958	1.944	8.7	19.3
9 18	0 6.82	− 4 58.2	0.951	1.952	3.5	19.1
9 28	23 58.64	− 5 53.7	0.966	1.962	4.7	19.2
10 8	23 51.39	− 6 33.7	1.004	1.972	10.0	19.5
10 18	23 46.29	− 6 52.4	1.063	1.984	15.0	19.9
10 28	23 44.12	− 6 47.5	1.141	1.998	19.2	20.2

36103 1999 RL_{116} 9 23.5 65°.14 4°.4/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 23.83	+15 43.3	2.079	2.869	14.9	18.6
8 29	0 19.65	+15 43.4	2.004	2.876	12.2	18.4
9 8	0 13.69	+15 23.9	1.949	2.884	9.1	18.3
9 18	0 6.50	+14 45.3	1.918	2.891	6.1	18.1
9 28	23 58.86	+13 50.7	1.914	2.899	4.4	18.0
10 8	23 51.67	+12 45.7	1.937	2.907	5.8	18.1
10 18	23 45.70	+11 37.0	1.987	2.915	8.7	18.3
10 28	23 41.56	+10 31.5	2.063	2.923	11.6	18.5

513870 2013 JG_{27} 9 23.5 116°.81 3°.0/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.28	− 4 37.0	2.392	3.255	10.9	20.9
8 29	0 17.46	− 6 21.9	2.328	3.262	8.0	20.8
9 8	0 12.18	− 8 13.9	2.290	3.269	5.0	20.6
9 18	0 5.93	−10 6.3	2.281	3.276	3.1	20.5
9 28	23 59.36	−11 51.5	2.303	3.282	4.4	20.6
10 8	23 53.15	−13 23.0	2.354	3.289	7.3	20.8
10 18	23 47.94	−14 36.2	2.431	3.295	10.1	21.0
10 28	23 44.23	−15 28.7	2.532	3.301	12.5	21.2

365716 2010 VK_{173} 9 23.5 338°.28 5°.9/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.33	+19 49.0	2.068	2.837	15.6	20.4
8 29	0 18.70	+19 58.5	1.981	2.833	13.1	20.2
9 8	0 13.20	+19 45.8	1.913	2.829	10.3	20.0
9 18	0 6.36	+19 10.3	1.868	2.825	7.6	19.9
9 28	23 58.98	+18 13.9	1.848	2.822	5.9	19.8
10 8	23 51.95	+17 1.8	1.855	2.819	6.6	19.8
10 18	23 46.12	+15 40.9	1.889	2.816	9.1	19.9
10 28	23 42.15	+14 19.6	1.948	2.814	11.9	20.1

167380 2003 WF_{68} 9 23.5 265°.44 2°.0/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.10	− 2 50.6	1.946	2.806	13.1	21.1
8 29	0 21.55	− 3 29.1	1.861	2.792	9.8	20.8
9 8	0 15.01	− 4 16.2	1.799	2.778	6.1	20.6
9 18	0 7.03	− 5 7.3	1.764	2.764	2.5	20.3
9 28	23 58.44	− 5 56.2	1.757	2.750	3.4	20.4
10 8	23 50.23	− 6 36.7	1.777	2.736	7.3	20.6
10 18	23 43.26	− 7 4.2	1.823	2.721	11.1	20.8
10 28	23 38.28	− 7 15.7	1.892	2.706	14.4	21.0

318973 2005 UQ_{293} 9 23.5 295°.11 4°.1/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.62	+14 56.4	2.117	2.912	14.5	20.7
8 29	0 18.85	+14 50.9	2.026	2.903	11.8	20.5
9 8	0 13.28	+14 25.9	1.955	2.894	8.8	20.3
9 18	0 6.40	+13 42.0	1.908	2.885	5.7	20.1
9 28	23 58.97	+12 42.0	1.888	2.876	4.1	19.9
10 8	23 51.86	+11 31.6	1.895	2.867	5.7	20.0
10 18	23 45.88	+10 17.5	1.930	2.859	8.8	20.2
10 28	23 41.70	+ 9 6.9	1.990	2.850	12.0	20.4

345013 2005 CZ_{65} 9 23.5 277°.68 3°.7/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.34	− 4 55.7	1.863	2.735	13.1	20.9
8 29	0 19.64	− 6 25.1	1.775	2.713	9.8	20.7
9 8	0 13.91	− 8 5.8	1.711	2.691	6.2	20.4
9 18	0 6.67	− 9 50.3	1.673	2.668	3.7	20.2
9 28	23 58.74	−11 29.2	1.663	2.646	5.4	20.3
10 8	23 51.10	−12 53.6	1.681	2.623	9.1	20.4
10 18	23 44.70	−13 57.0	1.724	2.600	12.9	20.6
10 28	23 40.29	−14 35.9	1.787	2.577	16.2	20.8

246655 2008 YE_{38} 9 23.5 334°.15 2°.2/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.81	+ 6 29.8	1.282	2.147	18.2	19.3
8 29	0 19.29	+ 6 34.1	1.200	2.128	14.3	19.0
9 8	0 14.09	+ 6 18.5	1.137	2.109	9.7	18.7
9 18	0 6.83	+ 5 44.4	1.095	2.092	4.7	18.4
9 28	23 58.59	+ 4 57.1	1.077	2.077	2.8	18.2
10 8	23 50.79	+ 4 4.7	1.083	2.062	7.7	18.5
10 18	23 44.70	+ 3 16.4	1.112	2.049	12.9	18.7
10 28	23 41.36	+ 2 40.4	1.161	2.037	17.5	19.0

22693 1998 QF_{102} 9 23.5 42°.73 0°.7/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.41	− 1 8.6	1.658	2.515	15.2	17.5
8 29	0 24.89	− 1 6.5	1.593	2.521	11.4	17.3
9 8	0 17.10	− 1 12.9	1.549	2.526	7.1	17.1
9 18	0 7.77	− 1 24.3	1.531	2.533	2.5	16.8
9 28	23 57.93	− 1 36.2	1.541	2.539	2.5	16.8
10 8	23 48.74	− 1 43.7	1.577	2.546	7.0	17.1
10 18	23 41.20	− 1 43.1	1.639	2.552	11.2	17.4
10 28	23 36.01	− 1 31.7	1.724	2.559	14.7	17.6

324897 2007 VO_{110} 9 23.5 347°.39 2°.3/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.80	+ 6 50.4	1.055	1.930	20.5	20.9
8 29	0 20.36	+ 6 48.3	0.989	1.923	16.1	20.6
9 8	0 14.89	+ 6 22.1	0.941	1.916	10.8	20.3
9 18	0 7.12	+ 5 34.1	0.912	1.910	5.1	19.9
9 28	23 58.41	+ 4 31.5	0.906	1.906	2.9	19.8
10 8	23 50.39	+ 3 25.4	0.923	1.903	8.4	20.1
10 18	23 44.48	+ 2 26.8	0.961	1.901	14.1	20.4
10 28	23 41.71	+ 1 44.8	1.018	1.900	18.9	20.7

27689 1981 EU_{25} 9 23.5 41°.76 0°.7/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 24.30	+ 3 7.5	1.174	2.051	18.7	17.4
8 29	0 20.78	+ 2 9.5	1.132	2.070	14.0	17.1
9 8	0 14.68	+ 0 52.8	1.109	2.090	8.7	16.9
9 18	0 6.89	− 0 34.7	1.110	2.111	3.0	16.7
9 28	23 58.71	− 2 2.1	1.134	2.133	3.0	16.7
10 8	23 51.49	− 3 18.4	1.184	2.155	8.4	17.1
10 18	23 46.26	− 4 15.8	1.256	2.178	13.1	17.5
10 28	23 43.68	− 4 50.1	1.349	2.202	17.0	17.8

480084 2015 DO_{214} 9 23.5 74°.79 3°.1/26.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.63	+11 5.9	1.692	2.511	16.6	21.2
8 29	0 22.67	+10 54.5	1.636	2.534	13.0	21.1
9 8	0 15.62	+10 23.1	1.601	2.556	9.1	20.9
9 18	0 7.20	+ 9 34.2	1.590	2.579	5.0	20.7
9 28	23 58.44	+ 8 32.9	1.605	2.601	3.2	20.6
10 8	23 50.38	+ 7 26.7	1.648	2.623	6.1	20.9
10 18	23 43.91	+ 6 23.1	1.718	2.645	9.8	21.1
10 28	23 39.66	+ 5 28.6	1.811	2.667	13.2	21.4

403735 2010 XE_{44} 9 23.5 299°.69 4°.5/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.40	+15 19.7	2.132	2.923	14.5	20.7
8 29	0 19.47	+15 28.1	2.038	2.911	12.0	20.5
9 8	0 13.70	+15 18.0	1.964	2.899	9.0	20.3
9 18	0 6.58	+14 49.0	1.913	2.887	6.1	20.1
9 28	23 58.86	+14 3.5	1.890	2.875	4.5	20.0
10 8	23 51.43	+13 6.0	1.894	2.863	5.9	20.0
10 18	23 45.11	+12 2.9	1.924	2.852	8.9	20.2
10 28	23 40.62	+11 1.1	1.980	2.841	12.0	20.4

392462 2010 XB_{77} 9 23.5 328°.59 2°.2/19.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.32	− 9 26.1	4.123	4.983	6.7	21.1
8 29	0 13.97	−10 2.0	4.049	4.980	5.0	20.9
9 8	0 9.80	−10 39.0	4.002	4.976	3.3	20.8
9 18	0 5.07	−11 14.3	3.983	4.973	2.2	20.7
9 28	0 0.16	−11 45.4	3.994	4.970	2.9	20.8
10 8	23 55.43	−12 9.9	4.034	4.967	4.6	20.9
10 18	23 51.23	−12 26.1	4.101	4.964	6.3	21.0
10 28	23 47.88	−12 32.8	4.194	4.961	7.9	21.2

362312 2009 UE_{86} 9 23.5 46°.60 0°.7/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.54	− 0 18.5	1.826	2.683	14.0	20.1
8 29	0 21.66	− 0 35.1	1.774	2.702	10.4	20.0
9 8	0 14.91	− 1 0.8	1.744	2.721	6.4	19.8
9 18	0 6.95	− 1 31.5	1.740	2.741	2.2	19.5
9 28	23 58.69	− 2 2.0	1.763	2.761	2.3	19.6
10 8	23 51.07	− 2 27.4	1.814	2.781	6.4	19.9
10 18	23 44.89	− 2 43.7	1.890	2.802	10.0	20.2
10 28	23 40.72	− 2 48.2	1.991	2.823	13.2	20.4

327085 2004 VF_{89} 9 23.5 303°.28 4°.8/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.12	+16 41.2	2.206	2.987	14.4	20.3
8 29	0 19.20	+16 51.2	2.112	2.977	11.9	20.1
9 8	0 13.51	+16 42.5	2.039	2.968	9.1	19.9
9 18	0 6.52	+16 14.6	1.990	2.958	6.4	19.7
9 28	23 58.96	+15 29.6	1.967	2.948	4.8	19.6
10 8	23 51.69	+14 31.8	1.972	2.939	6.0	19.7
10 18	23 45.52	+13 27.4	2.003	2.930	8.7	19.8
10 28	23 41.10	+12 23.3	2.060	2.921	11.6	20.0

429758 2011 WO_{65} 9 23.5 276°.76 3°.5/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.48	−17 22.6	4.232	5.093	6.6	20.9
8 29	0 14.82	−18 2.3	4.167	5.089	5.1	20.8
9 8	0 10.32	−18 39.7	4.129	5.086	3.9	20.7
9 18	0 5.27	−19 12.0	4.118	5.083	3.5	20.6
9 28	0 0.03	−19 36.6	4.137	5.079	4.3	20.7
10 8	23 55.00	−19 51.4	4.183	5.076	5.6	20.8
10 18	23 50.52	−19 55.3	4.256	5.073	7.0	20.9
10 28	23 46.91	−19 48.0	4.352	5.069	8.4	21.0

175984 2000 QN_{48} 9 23.5 332°.85 1°.8/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.27	+ 0 53.3	1.078	1.970	18.9	19.4
8 29	0 19.16	− 0 0.7	1.009	1.957	14.3	19.1
9 8	0 14.13	− 1 15.8	0.960	1.945	8.9	18.8
9 18	0 6.88	− 2 44.4	0.931	1.933	3.2	18.4
9 28	23 58.68	− 4 14.8	0.926	1.923	4.1	18.4
10 8	23 51.11	− 5 33.5	0.943	1.914	10.1	18.7
10 18	23 45.54	− 6 30.5	0.981	1.906	15.6	19.0
10 28	23 42.99	− 6 59.6	1.038	1.899	20.3	19.3

514478 2016 VU_{14} 9 23.5 293°.83 2°.1/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.34	+ 7 44.6	1.799	2.632	15.2	21.3
8 29	0 21.14	+ 7 36.5	1.716	2.625	11.9	21.1
9 8	0 14.84	+ 7 11.7	1.654	2.619	8.0	20.8
9 18	0 7.03	+ 6 32.3	1.617	2.612	4.0	20.6
9 28	23 58.58	+ 5 42.5	1.607	2.605	2.4	20.5
10 8	23 50.55	+ 4 48.8	1.623	2.598	6.1	20.7
10 18	23 43.87	+ 3 58.0	1.666	2.592	10.2	20.9
10 28	23 39.29	+ 3 16.1	1.733	2.585	13.8	21.1

116261 2003 YF_{32} 9 23.5 325°.51 3°.4/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 26.54	− 6 37.0	1.744	2.616	13.8	19.5
8 29	0 21.98	− 7 18.4	1.676	2.613	10.3	19.3
9 8	0 15.31	− 8 5.3	1.630	2.609	6.6	19.0
9 18	0 7.17	− 8 51.5	1.610	2.606	3.6	18.9
9 28	23 58.50	− 9 30.4	1.616	2.603	4.8	18.9
10 8	23 50.37	− 9 56.0	1.649	2.600	8.5	19.1
10 18	23 43.70	−10 4.8	1.707	2.598	12.2	19.4
10 28	23 39.19	− 9 55.4	1.787	2.595	15.4	19.6

523228 2016 XX_{24} 9 23.5 282°.93 1°.3/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.59	+ 0 18.4	1.959	2.815	13.2	21.8
8 29	0 19.76	− 0 36.7	1.863	2.792	10.0	21.5
9 8	0 13.98	− 1 45.1	1.790	2.768	6.2	21.3
9 18	0 6.74	− 3 2.0	1.743	2.744	2.2	21.0
9 28	23 58.81	− 4 20.5	1.724	2.720	3.0	21.0
10 8	23 51.14	− 5 32.9	1.734	2.696	7.1	21.2
10 18	23 44.62	− 6 32.7	1.769	2.671	11.1	21.4
10 28	23 40.01	− 7 15.1	1.827	2.647	14.7	21.5

378631 2008 FV_{107} 9 23.5 64°.79 5°.0/20.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 33.83	−10 6.1	1.358	2.236	16.7	21.0
8 29	0 27.57	−10 40.8	1.319	2.257	12.5	20.8
9 8	0 18.74	−11 16.3	1.301	2.279	8.1	20.6
9 18	0 8.33	−11 44.9	1.308	2.301	5.1	20.5
9 28	23 57.67	−11 59.5	1.340	2.323	6.4	20.7
10 8	23 48.11	−11 55.7	1.398	2.344	10.1	20.9
10 18	23 40.68	−11 32.7	1.479	2.366	13.9	21.2
10 28	23 36.02	−10 51.6	1.580	2.388	17.1	21.5

185606 2008 CH_{29} 9 23.5 313°.50 0°.1/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.35	+ 2 16.5	1.829	2.680	14.2	21.2
8 29	0 21.08	+ 2 1.1	1.748	2.672	10.8	20.9
9 8	0 14.77	+ 1 33.8	1.690	2.665	6.9	20.7
9 18	0 7.00	+ 0 57.6	1.656	2.657	2.5	20.4
9 28	23 58.63	+ 0 17.6	1.650	2.650	2.0	20.3
10 8	23 50.68	− 0 20.3	1.671	2.643	6.4	20.6
10 18	23 44.06	− 0 50.6	1.718	2.636	10.5	20.8
10 28	23 39.49	− 1 9.3	1.789	2.629	14.0	21.1

355510 2007 YO_{57} 9 23.5 283°.49 2°.7/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.60	+ 9 55.2	1.917	2.739	14.8	21.2
8 29	0 20.52	+ 9 47.7	1.829	2.729	11.8	21.0
9 8	0 14.44	+ 9 22.6	1.761	2.719	8.2	20.8
9 18	0 6.90	+ 8 41.5	1.718	2.709	4.5	20.5
9 28	23 58.73	+ 7 48.1	1.702	2.699	2.8	20.4
10 8	23 50.92	+ 6 48.4	1.714	2.689	5.8	20.6
10 18	23 44.35	+ 5 49.3	1.752	2.679	9.7	20.8
10 28	23 39.77	+ 4 57.4	1.814	2.669	13.2	21.0

407969 2012 DY_{35} 9 23.5 47°.08 0°.7/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.50	− 1 10.7	2.151	3.001	12.4	20.2
8 29	0 21.50	− 1 20.1	2.083	3.008	9.3	20.0
9 8	0 14.79	− 1 36.6	2.039	3.016	5.8	19.8
9 18	0 6.95	− 1 57.0	2.022	3.023	2.0	19.6
9 28	23 58.75	− 2 17.3	2.033	3.031	2.2	19.6
10 8	23 51.02	− 2 33.3	2.073	3.039	5.8	19.9
10 18	23 44.50	− 2 41.9	2.139	3.047	9.2	20.1
10 28	23 39.76	− 2 40.5	2.230	3.055	12.2	20.3

321616 2009 VR_{107} 9 23.5 307°.64 1°.4/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.54	− 5 49.9	4.244	5.096	6.7	20.3
8 29	0 14.12	− 6 17.2	4.163	5.091	5.0	20.1
9 8	0 9.91	− 6 46.8	4.109	5.086	3.1	20.0
9 18	0 5.15	− 7 16.6	4.083	5.081	1.5	19.9
9 28	0 0.20	− 7 43.9	4.088	5.076	2.1	19.9
10 8	23 55.42	− 8 6.7	4.122	5.071	3.9	20.1
10 18	23 51.15	− 8 23.2	4.184	5.066	5.8	20.2
10 28	23 47.70	− 8 31.8	4.273	5.061	7.5	20.3

404581 2013 KU_{11} 9 23.5 70°.01 0°.7/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.02	+ 0 30.6	2.267	3.116	11.9	21.2
8 29	0 18.82	− 0 6.8	2.201	3.126	8.9	21.0
9 8	0 13.08	− 0 53.1	2.159	3.135	5.5	20.8
9 18	0 6.33	− 1 44.5	2.144	3.145	1.9	20.6
9 28	23 59.26	− 2 36.0	2.157	3.155	2.1	20.6
10 8	23 52.61	− 3 22.4	2.199	3.164	5.6	20.9
10 18	23 47.05	− 3 59.6	2.268	3.174	8.9	21.1
10 28	23 43.08	− 4 24.5	2.361	3.183	11.7	21.3

180991 2005 NP_{19} 9 23.5 341°.47 0°.6/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.90	+ 4 6.4	1.819	2.668	14.4	20.6
8 29	0 19.97	+ 3 44.5	1.743	2.664	11.0	20.4
9 8	0 14.06	+ 3 8.5	1.688	2.661	7.1	20.2
9 18	0 6.75	+ 2 21.9	1.658	2.658	2.8	19.9
9 28	23 58.90	+ 1 30.0	1.655	2.655	1.9	19.8
10 8	23 51.49	+ 0 39.3	1.680	2.653	6.2	20.1
10 18	23 45.41	− 0 4.4	1.730	2.651	10.2	20.4
10 28	23 41.33	− 0 35.9	1.804	2.649	13.7	20.6

24558 4037 $P–L$ 9 23.5 272°.52 0°.3/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 30.34	+ 1 55.5	1.500	2.355	16.6	18.0
8 29	0 25.34	+ 1 53.7	1.420	2.346	12.7	17.8
9 8	0 17.72	+ 1 38.9	1.361	2.337	8.2	17.5
9 18	0 8.15	+ 1 14.1	1.326	2.327	3.1	17.2
9 28	23 57.74	+ 0 44.5	1.318	2.317	2.3	17.1
10 8	23 47.84	+ 0 16.6	1.335	2.308	7.5	17.4
10 18	23 39.65	− 0 3.5	1.378	2.298	12.3	17.6
10 28	23 34.09	− 0 11.2	1.442	2.288	16.5	17.9

459130 2012 CY_{2} 9 23.5 247°.29 2°.7/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.28	− 4 53.3	2.316	3.179	11.2	21.2
8 29	0 18.35	− 6 0.7	2.239	3.172	8.3	21.0
9 8	0 12.87	− 7 14.9	2.186	3.165	5.2	20.8
9 18	0 6.28	− 8 30.6	2.161	3.158	2.8	20.7
9 28	23 59.28	− 9 41.4	2.165	3.150	4.0	20.7
10 8	23 52.62	−10 41.5	2.197	3.143	7.0	20.9
10 18	23 46.96	−11 26.6	2.255	3.135	10.1	21.1
10 28	23 42.89	−11 54.4	2.337	3.127	12.8	21.3

86678 2000 FK_{29} 9 23.5 61°.80 0°.8/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.77	+ 4 28.8	1.394	2.249	17.6	18.6
8 29	0 23.87	+ 4 9.8	1.344	2.268	13.4	18.4
9 8	0 16.54	+ 3 34.1	1.315	2.288	8.6	18.2
9 18	0 7.61	+ 2 46.0	1.309	2.308	3.4	17.9
9 28	23 58.29	+ 1 52.5	1.328	2.328	2.2	17.9
10 8	23 49.83	+ 1 1.7	1.374	2.348	7.1	18.3
10 18	23 43.25	+ 0 20.3	1.445	2.369	11.6	18.6
10 28	23 39.23	− 0 6.7	1.538	2.389	15.4	18.9

509946 2009 RV_{48} 9 23.5 324°.43 0°.8/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.80	− 0 0.4	1.326	2.199	17.2	21.5
8 29	0 22.91	− 0 14.8	1.252	2.188	13.1	21.3
9 8	0 16.30	− 0 42.5	1.198	2.178	8.3	21.0
9 18	0 7.66	− 1 19.1	1.166	2.168	2.9	20.6
9 28	23 58.16	− 1 57.5	1.160	2.158	3.0	20.6
10 8	23 49.23	− 2 29.9	1.178	2.149	8.4	20.9
10 18	23 42.12	− 2 49.9	1.220	2.141	13.5	21.2
10 28	23 37.76	− 2 53.0	1.282	2.134	17.8	21.4

106440 2000 VM_{52} 9 23.5 124°.07 2°.5/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.27	− 6 17.4	2.198	3.057	11.9	20.0
8 29	0 22.06	− 6 44.4	2.130	3.061	8.8	19.8
9 8	0 15.15	− 7 15.2	2.087	3.064	5.5	19.6
9 18	0 7.10	− 7 45.5	2.071	3.068	2.8	19.4
9 28	23 58.67	− 8 10.5	2.083	3.072	3.7	19.5
10 8	23 50.72	− 8 26.2	2.123	3.075	6.8	19.7
10 18	23 43.97	− 8 29.8	2.190	3.078	10.0	19.9
10 28	23 39.01	− 8 20.1	2.281	3.082	12.7	20.1

424400 2007 YP_{72} 9 23.5 145°.34 3°.4/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.61	− 5 51.1	1.797	2.661	13.9	21.7
8 29	0 24.11	− 6 53.7	1.738	2.671	10.3	21.5
9 8	0 16.56	− 8 2.6	1.702	2.680	6.5	21.3
9 18	0 7.62	− 9 10.9	1.693	2.689	3.6	21.1
9 28	23 58.27	−10 10.8	1.712	2.697	4.9	21.2
10 8	23 49.55	−10 56.1	1.758	2.705	8.4	21.5
10 18	23 42.36	−11 22.9	1.830	2.712	12.0	21.7
10 28	23 37.34	−11 30.0	1.924	2.718	15.0	21.9

229463 2005 UZ_{221} 9 23.5 209°.75 1°.2/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.68	+ 6 9.9	1.920	2.751	14.4	22.0
8 29	0 22.76	+ 5 50.2	1.836	2.747	11.2	21.8
9 8	0 15.82	+ 5 15.3	1.775	2.742	7.4	21.6
9 18	0 7.40	+ 4 28.0	1.739	2.736	3.2	21.3
9 28	23 58.40	+ 3 32.9	1.731	2.730	1.9	21.2
10 8	23 49.81	+ 2 36.5	1.751	2.724	6.0	21.5
10 18	23 42.54	+ 1 45.2	1.798	2.717	10.0	21.7
10 28	23 37.31	+ 1 4.3	1.869	2.710	13.5	21.9

50130 2000 AP_{125} 9 23.5 16°.23 1°.7/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.51	+ 0 12.4	1.300	2.177	17.2	18.5
8 29	0 21.02	− 0 40.4	1.239	2.179	12.9	18.2
9 8	0 14.97	− 1 48.8	1.200	2.182	8.0	18.0
9 18	0 7.13	− 3 5.8	1.183	2.184	2.9	17.7
9 28	23 58.66	− 4 21.4	1.191	2.188	3.7	17.7
10 8	23 50.91	− 5 25.9	1.224	2.192	8.8	18.0
10 18	23 44.98	− 6 11.8	1.281	2.196	13.5	18.3
10 28	23 41.66	− 6 35.3	1.358	2.201	17.5	18.6

294735 2008 BX_{48} 9 23.5 60°.69 1°.2/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.28	+ 1 16.2	1.287	2.158	17.8	20.7
8 29	0 22.90	+ 0 24.6	1.240	2.176	13.3	20.5
9 8	0 16.00	− 0 42.3	1.214	2.194	8.2	20.3
9 18	0 7.43	− 1 57.5	1.211	2.213	2.8	20.0
9 28	23 58.47	− 3 11.2	1.234	2.231	3.2	20.1
10 8	23 50.40	− 4 14.0	1.282	2.250	8.3	20.5
10 18	23 44.29	− 4 59.3	1.353	2.269	12.9	20.8
10 28	23 40.81	− 5 23.6	1.446	2.288	16.7	21.1

266131 2006 TH_{39} 9 23.5 330°.31 0°.1/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 25.17	+ 2 31.8	1.253	2.126	18.0	20.5
8 29	0 21.79	+ 2 12.1	1.181	2.117	13.8	20.2
9 8	0 15.65	+ 1 35.0	1.129	2.108	8.8	19.9
9 18	0 7.44	+ 0 44.7	1.098	2.099	3.2	19.5
9 28	23 58.37	− 0 11.2	1.092	2.092	2.6	19.5
10 8	23 49.89	− 1 3.2	1.110	2.084	8.3	19.8
10 18	23 43.27	− 1 43.2	1.151	2.078	13.6	20.1
10 28	23 39.48	− 2 5.2	1.212	2.072	18.1	20.3

66544 1999 RR_{119} 9 23.5 338°.67 1°.6/22.0 18

8 19	0 18.73	+ 1 38.3	1.288	2.172	17.0	18.7
8 29	0 16.82	+ 0 29.6	1.215	2.158	12.8	18.4
9 8	0 12.47	− 0 59.5	1.162	2.145	7.9	18.1
9 18	0 6.28	− 2 41.7	1.131	2.133	2.8	17.8
9 28	23 59.33	− 4 26.0	1.126	2.123	3.8	17.8
10 8	23 52.88	− 5 59.9	1.145	2.113	9.1	18.1
10 18	23 48.09	− 7 13.4	1.186	2.105	14.0	18.4
10 28	23 45.81	− 8 0.4	1.248	2.097	18.3	18.6

450144 1999 RJ_{30} 9 23.5 355°.92 12°.6/30.4 17

8 19	0 31.51	+21 45.2	1.381	2.158	21.6	19.4
8 29	0 26.99	+24 19.6	1.306	2.149	19.1	19.2
9 8	0 19.26	+26 33.5	1.249	2.142	16.3	19.0
9 18	0 8.89	+28 17.7	1.212	2.137	13.9	18.9
9 28	23 57.12	+29 25.2	1.196	2.134	12.7	18.8
10 8	23 45.63	+29 55.1	1.204	2.133	13.2	18.8
10 18	23 36.10	+29 52.5	1.232	2.134	15.0	18.9
10 28	23 29.81	+29 27.7	1.280	2.136	17.6	19.1

362976 2013 CK_{36} 9 23.5 266°.70 1°.4/26.6 18

8 19	0 16.24	+10 5.5	4.587	5.381	7.2	20.8
8 29	0 13.14	+ 9 46.3	4.493	5.377	5.7	20.7
9 8	0 9.30	+ 9 19.4	4.424	5.373	4.0	20.5
9 18	0 4.96	+ 8 45.8	4.382	5.369	2.2	20.4
9 28	0 0.43	+ 8 7.4	4.370	5.365	1.4	20.3
10 8	23 56.05	+ 7 26.5	4.389	5.361	2.7	20.4
10 18	23 52.13	+ 6 45.5	4.437	5.357	4.5	20.6
10 28	23 48.95	+ 6 6.9	4.512	5.353	6.2	20.7

260127 2004 PB_{78} 9 23.5 350°.86 7°.7/30.2 17

8 19	0 27.16	+19 45.3	1.835	2.605	17.3	19.7
8 29	0 22.71	+20 49.1	1.752	2.601	14.7	19.5
9 8	0 15.98	+21 32.1	1.688	2.597	11.9	19.3
9 18	0 7.54	+21 51.3	1.646	2.594	9.2	19.2
9 28	23 58.32	+21 46.0	1.628	2.591	7.7	19.1
10 8	23 49.45	+21 19.4	1.636	2.589	8.4	19.1
10 18	23 42.01	+20 37.5	1.669	2.588	10.6	19.2
10 28	23 36.82	+19 48.3	1.725	2.587	13.4	19.4

439784 2015 GR_{36} 9 23.5 62°.73 9°.9/15.0 18

8 19	0 30.39	−22 59.5	1.552	2.427	15.0	19.7
8 29	0 24.94	−24 23.9	1.521	2.442	12.3	19.6
9 8	0 17.11	−25 36.4	1.513	2.458	10.4	19.5
9 18	0 7.81	−26 27.3	1.528	2.474	10.0	19.5
9 28	23 58.24	−26 49.4	1.567	2.489	11.3	19.7
10 8	23 49.65	−26 40.1	1.628	2.505	13.6	19.8
10 18	23 42.97	−26 1.3	1.711	2.522	16.0	20.0
10 28	23 38.82	−24 57.3	1.812	2.538	18.2	20.3

65217 2002 EY_{16} 9 23.5 228°.12 0°.0/23.5 18

8 19	0 16.56	+ 1 56.6	4.538	5.368	6.7	20.0
8 29	0 13.36	+ 1 32.2	4.454	5.368	5.0	19.9
9 8	0 9.43	+ 1 2.7	4.395	5.367	3.2	19.8
9 18	0 5.01	+ 0 30.0	4.366	5.366	1.1	19.6
9 28	0 0.42	− 0 4.0	4.366	5.365	0.9	19.6
10 8	23 55.97	− 0 36.8	4.397	5.364	3.0	19.8
10 18	23 52.00	− 1 6.4	4.457	5.364	4.8	19.9
10 28	23 48.78	− 1 30.9	4.544	5.363	6.5	20.0

282375 2003 QT_{33} 9 23.5 4°.71 3°.8/20.4 18

8 19	0 16.77	− 2 56.8	1.026	1.935	18.2	19.0
8 29	0 15.63	− 4 9.5	0.977	1.934	13.5	18.8
9 8	0 11.78	− 5 36.9	0.947	1.935	8.4	18.5
9 18	0 6.02	− 7 8.5	0.937	1.938	4.1	18.3
9 28	23 59.62	− 8 31.1	0.951	1.943	5.9	18.4
10 8	23 54.01	− 9 33.1	0.986	1.950	10.9	18.7
10 18	23 50.34	−10 7.6	1.042	1.959	15.7	19.0
10 28	23 49.38	−10 12.4	1.115	1.970	19.7	19.3

473411 2015 VK_{117} 9 23.5 301°.73 1°.8/25.6 18

8 19	0 21.32	+ 9 9.2	2.168	2.992	13.3	20.9
8 29	0 17.81	+ 8 35.6	2.079	2.983	10.4	20.7
9 8	0 12.63	+ 7 45.3	2.012	2.974	7.1	20.5
9 18	0 6.26	+ 6 40.9	1.971	2.965	3.5	20.3
9 28	23 59.40	+ 5 26.9	1.957	2.956	2.0	20.1
10 8	23 52.85	+ 4 9.9	1.973	2.947	5.2	20.4
10 18	23 47.36	+ 2 56.5	2.015	2.939	8.8	20.6
10 28	23 43.55	+ 1 52.5	2.082	2.931	12.0	20.8

44710 1999 TM_3 9 23.5 51°.34 3°.7/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 28.31	− 4 47.3	1.216	2.102	17.6	18.7
8 29	0 23.84	− 5 41.3	1.172	2.116	13.1	18.4
9 8	0 16.67	− 6 44.0	1.147	2.130	8.1	18.2
9 18	0 7.72	− 7 46.8	1.145	2.144	4.0	18.0
9 28	23 58.33	− 8 39.7	1.168	2.159	5.4	18.2
10 8	23 49.90	− 9 15.0	1.216	2.174	10.0	18.5
10 18	23 43.56	− 9 28.5	1.286	2.190	14.4	18.8
10 28	23 40.00	− 9 19.2	1.376	2.205	18.0	19.0

202118 2004 TE_{118} 9 23.5 24°.09 7°.0/19.2 18

8 19	0 33.45	−15 39.5	1.373	2.253	16.3	19.4
8 29	0 27.56	−16 8.1	1.322	2.258	12.6	19.2
9 8	0 18.94	−16 31.5	1.293	2.264	9.1	19.0
9 18	0 8.53	−16 41.8	1.287	2.270	7.1	18.9
9 28	23 57.68	−16 32.1	1.306	2.277	8.3	19.0
10 8	23 47.81	−15 59.2	1.350	2.284	11.6	19.3
10 18	23 40.06	−15 4.0	1.417	2.292	15.2	19.5
10 28	23 35.17	−13 49.4	1.503	2.300	18.4	19.7

399522 2002 XD_{44} 9 23.5 270°.89 5°.8/17.8 18

8 19	0 27.40	−14 22.3	1.973	2.845	12.5	20.8
8 29	0 22.49	−15 18.6	1.904	2.836	9.6	20.6
9 8	0 15.61	−16 14.0	1.858	2.826	7.0	20.4
9 18	0 7.34	−17 1.6	1.839	2.817	5.8	20.3
9 28	23 58.57	−17 34.6	1.846	2.808	7.1	20.4
10 8	23 50.27	−17 48.3	1.880	2.798	9.8	20.5
10 18	23 43.32	−17 40.9	1.937	2.789	12.8	20.7
10 28	23 38.39	−17 12.7	2.016	2.780	15.4	20.9

142980 2002 VZ_{84} 9 23.5 97°.21 1°.2/24.7 18

8 19	0 26.00	+ 7 17.7	1.549	2.393	16.7	19.9
8 29	0 21.76	+ 6 35.0	1.485	2.402	12.9	19.7
9 8	0 15.27	+ 5 32.3	1.441	2.411	8.4	19.5
9 18	0 7.23	+ 4 14.0	1.422	2.420	3.6	19.2
9 28	23 58.69	+ 2 47.7	1.429	2.429	2.1	19.1
10 8	23 50.78	+ 1 22.8	1.463	2.437	6.7	19.5
10 18	23 44.50	+ 0 8.0	1.523	2.446	11.1	19.7
10 28	23 40.55	− 0 50.4	1.605	2.454	14.9	20.0

76470 2000 FC_{57} 9 23.5 304°.33 2°.2/25.7 18 R

8 19	0 25.48	+ 8 30.9	1.901	2.727	14.7	18.7
8 29	0 21.11	+ 8 22.4	1.822	2.727	11.6	18.5
9 8	0 14.78	+ 7 57.5	1.765	2.726	7.9	18.3
9 18	0 7.06	+ 7 18.2	1.732	2.725	4.0	18.0
9 28	23 58.80	+ 6 28.8	1.727	2.725	2.4	17.9
10 8	23 50.97	+ 5 35.1	1.749	2.724	5.8	18.1
10 18	23 44.45	+ 4 43.7	1.798	2.723	9.6	18.4
10 28	23 39.92	+ 4 0.3	1.871	2.723	13.0	18.6

296984 2010 ER_{105} 9 23.5 176°.43 1°.4/21.9 18 R

8 19	0 25.91	− 0 50.6	2.241	3.089	12.0	21.7
8 29	0 21.08	− 1 41.8	2.167	3.092	9.0	21.5
9 8	0 14.58	− 2 42.1	2.116	3.093	5.5	21.3
9 18	0 6.95	− 3 46.8	2.094	3.094	2.1	21.1
9 28	23 58.91	− 4 50.3	2.100	3.095	2.7	21.2
10 8	23 51.27	− 5 46.7	2.136	3.095	6.2	21.4
10 18	23 44.76	− 6 31.5	2.199	3.094	9.6	21.6
10 28	23 39.96	− 7 1.5	2.286	3.093	12.5	21.8

203207 2001 DE_{70} 9 23.5 250°.71 0°.7/24.3 18

8 19	0 26.63	+ 4 33.3	2.017	2.853	13.7	20.9
8 29	0 21.97	+ 4 13.2	1.926	2.840	10.5	20.7
9 8	0 15.35	+ 3 39.7	1.856	2.826	6.8	20.4
9 18	0 7.29	+ 2 55.4	1.813	2.812	2.8	20.1
9 28	23 58.60	+ 2 5.0	1.798	2.797	1.8	20.0
10 8	23 50.22	+ 1 14.3	1.811	2.783	5.9	20.3
10 18	23 43.04	+ 0 29.2	1.851	2.767	9.9	20.5
10 28	23 37.80	− 0 5.3	1.915	2.752	13.4	20.7

21764 1999 RY_{205} 9 23.5 259°.87 4°.0/27.9 18

8 19	0 23.78	+15 25.3	1.971	2.766	15.4	18.4
8 29	0 19.94	+15 2.0	1.874	2.752	12.6	18.2
9 8	0 14.14	+14 15.9	1.797	2.739	9.3	18.0
9 18	0 6.86	+13 7.6	1.745	2.724	5.9	17.8
9 28	23 58.94	+11 41.0	1.719	2.710	4.0	17.6
10 8	23 51.33	+10 3.2	1.722	2.695	6.0	17.7
10 18	23 44.93	+ 8 23.0	1.751	2.680	9.5	17.9
10 28	23 40.49	+ 6 49.1	1.806	2.665	13.0	18.1

312523 2009 DN_{66} 9 23.5 355°.52 1°.9/24.8 18

8 19	0 25.18	+ 5 31.4	1.037	1.914	20.6	20.4
8 29	0 22.21	+ 5 36.2	0.975	1.910	16.1	20.1
9 8	0 16.11	+ 5 19.1	0.931	1.907	10.7	19.8
9 18	0 7.67	+ 4 42.7	0.906	1.905	4.8	19.5
9 28	23 58.31	+ 3 53.9	0.904	1.904	2.8	19.4
10 8	23 49.73	+ 3 2.7	0.925	1.904	8.6	19.7
10 18	23 43.36	+ 2 19.2	0.967	1.905	14.2	20.0
10 28	23 40.21	+ 1 51.3	1.028	1.907	19.0	20.3

356535 2011 SS_{132} 9 23.5 262°.71 1°.4/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 26.28	− 1 35.8	1.960	2.817	13.2	21.2
8 29	0 21.65	− 2 4.9	1.882	2.811	9.9	21.0
9 8	0 15.09	− 2 42.7	1.827	2.804	6.1	20.7
9 18	0 7.17	− 3 25.2	1.797	2.798	2.3	20.5
9 28	23 58.73	− 4 6.6	1.796	2.792	2.8	20.5
10 8	23 50.70	− 4 41.6	1.822	2.786	6.8	20.7
10 18	23 43.94	− 5 5.5	1.875	2.779	10.5	21.0
10 28	23 39.13	− 5 15.4	1.951	2.773	13.8	21.2

496075 2009 RE_{56} 9 23.5 6°.59 0°.5/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.42	+ 4 59.3	4.227	5.047	7.3	20.9
8 29	0 13.33	+ 4 29.5	4.141	5.048	5.6	20.8
9 8	0 9.45	+ 3 53.0	4.082	5.048	3.6	20.6
9 18	0 5.05	+ 3 11.6	4.050	5.048	1.5	20.5
9 28	0 0.46	+ 2 27.6	4.049	5.049	0.9	20.4
10 8	23 56.04	+ 1 43.6	4.078	5.049	3.0	20.6
10 18	23 52.12	+ 1 2.4	4.136	5.049	5.0	20.7
10 28	23 49.00	+ 0 26.1	4.222	5.050	6.8	20.9

1039 Sonneberga 9 23.5 171°.16 1°.6/25.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.11	+ 7 49.4	2.011	2.837	14.0	16.0
8 29	0 20.71	+ 7 23.1	1.932	2.839	10.9	15.8
9 8	0 14.47	+ 6 40.9	1.876	2.840	7.3	15.6
9 18	0 6.94	+ 5 45.4	1.845	2.841	3.4	15.3
9 28	23 58.94	+ 4 41.6	1.843	2.842	2.0	15.2
10 8	23 51.36	+ 3 36.0	1.868	2.842	5.6	15.5
10 18	23 45.01	+ 2 34.8	1.921	2.842	9.3	15.7
10 28	23 40.54	+ 1 43.8	1.998	2.843	12.6	15.9

323589 2004 TY_{250} 9 23.6 309°.33 2°.3/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.79	+10 25.4	2.140	2.958	13.6	21.3
8 29	0 18.18	+ 9 59.1	2.053	2.952	10.8	21.1
9 8	0 12.88	+ 9 15.7	1.988	2.945	7.4	20.9
9 18	0 6.37	+ 8 17.0	1.949	2.940	4.0	20.7
9 28	23 59.38	+ 7 7.7	1.937	2.934	2.4	20.5
10 8	23 52.73	+ 5 53.7	1.953	2.928	5.2	20.7
10 18	23 47.16	+ 4 41.8	1.996	2.922	8.7	20.9
10 28	23 43.30	+ 3 38.2	2.065	2.917	11.9	21.1

428660 2008 GP_{91} 9 23.6 194°.77 0°.7/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.92	+ 6 10.9	1.641	2.485	15.9	21.4
8 29	0 21.72	+ 5 26.1	1.565	2.484	12.2	21.2
9 8	0 15.29	+ 4 22.5	1.511	2.483	7.9	20.9
9 18	0 7.29	+ 3 4.1	1.482	2.481	3.2	20.6
9 28	23 58.67	+ 1 38.3	1.480	2.480	2.0	20.6
10 8	23 50.58	+ 0 14.2	1.505	2.478	6.8	20.9
10 18	23 43.99	− 0 59.8	1.556	2.476	11.2	21.1
10 28	23 39.66	− 1 57.5	1.630	2.473	15.0	21.4

126842 2002 EF_{66} 9 23.6 354°.42 1°.5/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.09	+ 5 35.1	1.514	2.365	16.7	19.6
8 29	0 22.02	+ 5 30.0	1.442	2.363	12.9	19.3
9 8	0 15.57	+ 5 8.1	1.390	2.361	8.5	19.1
9 18	0 7.41	+ 4 32.0	1.362	2.360	3.8	18.8
9 28	23 58.59	+ 3 47.2	1.359	2.359	2.2	18.7
10 8	23 50.32	+ 3 0.8	1.383	2.359	6.8	19.0
10 18	23 43.67	+ 2 19.8	1.431	2.359	11.4	19.2
10 28	23 39.45	+ 1 50.2	1.502	2.359	15.3	19.5

391556 2007 TU_{65} 9 23.6 82°.92 7°.2/21.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 50.67	−15 52.2	1.015	1.887	21.4	20.3
8 29	0 41.53	−15 34.7	0.960	1.891	16.7	20.0
9 8	0 28.20	−15 7.1	0.925	1.896	11.5	19.7
9 18	0 11.99	−14 20.7	0.911	1.901	7.6	19.5
9 28	23 55.08	−13 10.0	0.923	1.906	8.5	19.6
10 8	23 39.86	−11 35.7	0.960	1.911	13.0	19.9
10 18	23 28.07	− 9 43.6	1.020	1.916	18.0	20.2
10 28	23 20.64	− 7 40.0	1.099	1.921	22.2	20.5

305272 2007 YJ_{48} 9 23.6 302°.25 2°.9/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.40	− 5 2.8	1.855	2.723	13.3	21.1
8 29	0 21.05	− 5 50.4	1.785	2.720	9.9	20.9
9 8	0 14.75	− 6 44.8	1.737	2.717	6.2	20.7
9 18	0 7.07	− 7 40.4	1.716	2.714	3.1	20.5
9 28	23 58.89	− 8 30.4	1.722	2.711	4.3	20.5
10 8	23 51.19	− 9 8.7	1.755	2.708	7.9	20.7
10 18	23 44.83	− 9 31.2	1.813	2.705	11.5	21.0
10 28	23 40.48	− 9 35.8	1.893	2.702	14.7	21.2

89938 2002 FR_{4} 9 23.6 263°.51 4°.1/15.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.81	−22 10.2	4.438	5.285	6.6	19.8
8 29	0 18.01	−22 34.2	4.373	5.279	5.3	19.8
9 8	0 12.34	−22 53.9	4.334	5.274	4.3	19.7
9 18	0 6.11	−23 6.5	4.323	5.268	4.1	19.7
9 28	23 59.71	−23 9.8	4.341	5.263	4.7	19.7
10 8	23 53.54	−23 2.5	4.388	5.257	5.9	19.8
10 18	23 47.98	−22 44.0	4.460	5.252	7.2	19.9
10 28	23 43.36	−22 14.5	4.557	5.246	8.4	20.0

199247 2006 AE_{98} 9 23.6 128°.45 0°.1/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 23.62	+ 2 11.8	2.659	3.495	10.8	21.2
8 29	0 19.09	+ 1 41.7	2.588	3.504	8.1	21.1
9 8	0 13.23	+ 1 2.9	2.541	3.513	5.1	20.9
9 18	0 6.47	+ 0 18.5	2.522	3.522	1.8	20.7
9 28	23 59.42	− 0 27.5	2.532	3.531	1.5	20.7
10 8	23 52.72	− 1 10.9	2.572	3.539	4.7	20.9
10 18	23 46.96	− 1 48.0	2.640	3.548	7.7	21.1
10 28	23 42.60	− 2 15.6	2.733	3.555	10.3	21.3

115398 2003 SF_{290} 9 23.6 16°.81 4°.8/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.24	− 8 17.4	1.417	2.304	15.5	19.2
8 29	0 21.37	− 9 16.3	1.363	2.308	11.6	19.0
9 8	0 15.11	−10 20.0	1.331	2.312	7.6	18.8
9 18	0 7.22	−11 20.1	1.322	2.316	4.9	18.6
9 28	23 58.83	−12 7.7	1.339	2.322	6.4	18.8
10 8	23 51.17	−12 36.1	1.381	2.328	10.2	19.0
10 18	23 45.24	−12 41.8	1.445	2.334	14.0	19.2
10 28	23 41.76	−12 24.7	1.529	2.342	17.4	19.5

230266 2001 WZ_{72} 9 23.6 257°.77 3°.7/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.73	− 6 32.2	1.662	2.534	14.4	20.9
8 29	0 23.07	− 7 23.5	1.591	2.528	10.8	20.7
9 8	0 16.16	− 8 21.4	1.542	2.521	6.9	20.5
9 18	0 7.62	− 9 19.1	1.518	2.514	3.9	20.3
9 28	23 58.48	−10 8.8	1.521	2.507	5.2	20.3
10 8	23 49.86	−10 43.7	1.551	2.500	9.0	20.6
10 18	23 42.77	−10 59.7	1.605	2.493	12.9	20.8
10 28	23 37.99	−10 55.1	1.680	2.486	16.3	21.0

145053 2005 GX_{11} 9 23.6 119°.73 2°.1/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.11	− 1 48.0	2.012	2.872	12.8	20.0
8 29	0 19.87	− 2 59.0	1.949	2.881	9.4	19.8
9 8	0 13.89	− 4 19.4	1.910	2.889	5.8	19.6
9 18	0 6.74	− 5 43.3	1.897	2.897	2.5	19.4
9 28	23 59.22	− 7 3.3	1.914	2.905	3.5	19.5
10 8	23 52.18	− 8 12.6	1.958	2.913	7.1	19.7
10 18	23 46.37	− 9 6.2	2.029	2.920	10.5	19.9
10 28	23 42.37	− 9 41.3	2.122	2.927	13.4	20.1

112408 2002 NE_{40} 9 23.6 167°.27 6°.3/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.98	−14 6.1	1.946	2.823	12.4	20.0
8 29	0 20.66	−15 44.2	1.891	2.825	9.5	19.9
9 8	0 14.46	−17 22.3	1.860	2.826	7.1	19.7
9 18	0 6.97	−18 51.6	1.855	2.828	6.3	19.7
9 28	23 59.04	−20 4.1	1.877	2.829	7.8	19.8
10 8	23 51.62	−20 53.8	1.926	2.830	10.5	19.9
10 18	23 45.52	−21 18.4	1.997	2.830	13.2	20.1
10 28	23 41.37	−21 18.2	2.089	2.831	15.6	20.3

169955 2002 TJ_{94} 9 23.6 83°.81 1°.4/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.60	− 1 40.8	1.840	2.697	13.9	20.0
8 29	0 22.63	− 2 7.6	1.776	2.705	10.4	19.8
9 8	0 15.68	− 2 42.8	1.735	2.713	6.4	19.6
9 18	0 7.40	− 3 22.1	1.720	2.721	2.3	19.3
9 28	23 58.71	− 3 59.7	1.733	2.729	2.8	19.4
10 8	23 50.58	− 4 30.2	1.773	2.737	6.9	19.6
10 18	23 43.88	− 4 49.4	1.839	2.745	10.6	19.9
10 28	23 39.23	− 4 54.8	1.929	2.752	13.8	20.1

125044 2001 TO_{208} 9 23.6 312°.16 0°.1/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.77	+ 2 10.6	1.406	2.272	16.8	20.0
8 29	0 22.14	+ 1 55.8	1.323	2.254	12.9	19.7
9 8	0 15.89	+ 1 25.5	1.260	2.237	8.3	19.4
9 18	0 7.63	+ 0 43.3	1.219	2.220	3.1	19.1
9 28	23 58.45	− 0 4.4	1.205	2.204	2.5	19.0
10 8	23 49.69	− 0 49.3	1.215	2.188	7.9	19.3
10 18	23 42.59	− 1 24.2	1.249	2.173	13.0	19.5
10 28	23 38.12	− 1 43.3	1.304	2.158	17.4	19.8

37301 2001 CA_{39} 9 23.6 212°.70 1°.4/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.54	+ 8 56.6	4.625	5.417	7.2	19.2
8 29	0 15.60	+ 8 59.6	4.532	5.415	5.7	19.1
9 8	0 10.87	+ 8 55.8	4.464	5.413	3.9	19.0
9 18	0 5.60	+ 8 46.2	4.425	5.412	2.2	18.9
9 28	0 0.14	+ 8 32.1	4.415	5.410	1.5	18.8
10 8	23 54.82	+ 8 15.1	4.437	5.408	2.8	18.9
10 18	23 49.98	+ 7 57.3	4.487	5.405	4.5	19.0
10 28	23 45.92	+ 7 40.8	4.566	5.403	6.2	19.1

467760 2009 UM_{139} 9 23.6 328°.08 21°.2/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.54	−33 30.2	0.788	1.696	22.3	19.4
8 29	0 20.98	−36 29.0	0.748	1.669	21.3	19.2
9 8	0 16.15	−39 1.8	0.723	1.644	21.6	19.1
9 18	0 7.91	−40 44.8	0.712	1.620	23.1	19.1
9 28	23 58.25	−41 19.3	0.715	1.598	25.6	19.2
10 8	23 49.66	−40 39.0	0.729	1.577	28.5	19.3
10 18	23 44.17	−38 48.9	0.753	1.559	31.4	19.4
10 28	23 42.96	−36 0.5	0.785	1.543	33.9	19.5

263361 2008 CU_{152} 9 23.6 196°.24 1°.9/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.46	+ 8 36.6	1.702	2.531	16.1	21.6
8 29	0 22.87	+ 8 9.9	1.622	2.530	12.6	21.4
9 8	0 16.04	+ 7 23.7	1.564	2.528	8.5	21.2
9 18	0 7.61	+ 6 20.7	1.531	2.526	4.1	20.9
9 28	23 58.54	+ 5 6.6	1.524	2.523	2.3	20.8
10 8	23 49.95	+ 3 49.5	1.545	2.520	6.4	21.0
10 18	23 42.86	+ 2 37.7	1.592	2.516	10.7	21.3
10 28	23 38.02	+ 1 38.2	1.663	2.512	14.5	21.5

200024 2007 OO_{7} 9 23.6 320°.72 0°.6/24.8 18

8 19	0 16.73	+ 5 32.7	4.154	4.973	7.5	19.9
8 29	0 13.61	+ 5 9.1	4.064	4.968	5.7	19.8
9 8	0 9.67	+ 4 38.6	3.999	4.963	3.8	19.6
9 18	0 5.18	+ 4 2.8	3.962	4.958	1.7	19.5
9 28	0 0.48	+ 3 23.9	3.955	4.954	1.0	19.4
10 8	23 55.95	+ 2 44.4	3.977	4.949	3.0	19.6
10 18	23 51.92	+ 2 7.0	4.030	4.945	5.1	19.7
10 28	23 48.71	+ 1 34.1	4.109	4.940	6.9	19.9

472251 2014 MX_{57} 9 23.6 335°.77 5°.5/17.5 18

8 19	0 23.67	−13 37.4	2.037	2.914	11.9	20.6
8 29	0 19.63	−14 42.9	1.973	2.909	9.1	20.4
9 8	0 13.80	−15 48.2	1.934	2.904	6.6	20.2
9 18	0 6.74	−16 46.4	1.920	2.900	5.5	20.2
9 28	23 59.26	−17 30.9	1.934	2.895	6.8	20.3
10 8	23 52.22	−17 56.9	1.973	2.892	9.5	20.4
10 18	23 46.41	−18 2.1	2.037	2.888	12.3	20.6
10 28	23 42.44	−17 46.4	2.121	2.885	14.8	20.8

404005 2012 BA_{152} 9 23.6 175°.66 4°.9/16.3 18

8 19	0 23.70	−15 41.2	2.825	3.689	9.4	21.9
8 29	0 19.16	−16 56.5	2.765	3.691	7.3	21.8
9 8	0 13.29	−18 10.3	2.732	3.693	5.5	21.7
9 18	0 6.52	−19 17.1	2.726	3.694	4.9	21.6
9 28	23 59.44	−20 11.8	2.750	3.695	6.0	21.7
10 8	23 52.71	−20 50.8	2.801	3.695	7.9	21.8
10 18	23 46.88	−21 12.1	2.877	3.695	10.0	22.0
10 28	23 42.43	−21 15.5	2.976	3.694	11.9	22.1

185195 2006 TX_{5} 9 23.6 7°.63 0°.4/23.8 18

8 19	0 27.88	+ 0 51.9	1.038	1.923	20.0	18.9
8 29	0 24.17	+ 1 11.9	0.982	1.924	15.3	18.6
9 8	0 17.29	+ 1 17.7	0.944	1.925	9.8	18.3
9 18	0 8.13	+ 1 12.5	0.927	1.928	3.7	18.0
9 28	23 58.17	+ 1 2.2	0.933	1.933	2.7	18.0
10 8	23 49.12	+ 0 53.7	0.961	1.939	8.7	18.3
10 18	23 42.38	+ 0 53.3	1.011	1.946	14.2	18.7
10 28	23 38.87	+ 1 5.5	1.081	1.954	18.8	19.0

516139 2015 VS_{116} 9 23.6 13°.80 14°.5/ 8.2 18

8 19	0 30.24	−38 50.7	1.690	2.524	16.0	20.0
8 29	0 25.08	−40 19.1	1.671	2.529	14.9	20.0
9 8	0 17.34	−41 22.8	1.671	2.534	14.5	19.9
9 18	0 7.99	−41 52.8	1.690	2.541	14.9	20.0
9 28	23 58.37	−41 44.0	1.730	2.548	15.8	20.1
10 8	23 49.83	−40 56.5	1.787	2.556	17.2	20.2
10 18	23 43.37	−39 34.6	1.862	2.564	18.6	20.3
10 28	23 39.60	−37 44.7	1.951	2.574	19.9	20.5

507403 2012 JT_{37} 9 23.6 197°.05 5°.8/18.4 17

8 19	0 31.66	−12 51.3	1.771	2.639	13.8	22.3
8 29	0 25.89	−13 56.0	1.706	2.637	10.6	22.1
9 8	0 17.86	−15 1.1	1.664	2.634	7.4	21.9
9 18	0 8.25	−15 58.7	1.648	2.631	5.8	21.8
9 28	23 58.09	−16 40.9	1.660	2.627	7.3	21.9
10 8	23 48.53	−17 2.1	1.698	2.622	10.4	22.1
10 18	23 40.57	−17 0.3	1.760	2.616	13.6	22.3
10 28	23 34.93	−16 35.9	1.843	2.610	16.5	22.5

357499 2004 PM_{40} 9 23.6 23°.25 2°.1/21.3 18

8 19	0 18.45	+ 1 24.5	1.438	2.317	15.8	18.9
8 29	0 16.15	− 0 15.1	1.390	2.332	11.7	18.7
9 8	0 11.77	− 2 10.8	1.364	2.347	7.0	18.4
9 18	0 6.02	− 4 13.0	1.363	2.364	2.7	18.2
9 28	23 59.89	− 6 10.2	1.388	2.382	3.9	18.4
10 8	23 54.41	− 7 51.7	1.439	2.401	8.3	18.7
10 18	23 50.42	− 9 10.2	1.514	2.421	12.4	19.0
10 28	23 48.54	−10 2.0	1.611	2.441	15.8	19.2

164719 1998 HZ_{6} 9 23.6 234°.56 14°.6/15.7 16

8 19	0 48.51	−30 7.1	1.233	2.084	19.7	20.2
8 29	0 39.88	−31 16.5	1.179	2.076	17.1	20.0
9 8	0 27.21	−32 5.1	1.144	2.067	15.1	19.9
9 18	0 11.71	−32 17.8	1.130	2.057	14.6	19.9
9 28	23 55.43	−31 43.7	1.139	2.046	16.0	19.9
10 8	23 40.60	−30 21.6	1.169	2.036	18.5	20.0
10 18	23 28.97	−28 18.6	1.218	2.024	21.5	20.2
10 28	23 21.47	−25 45.7	1.285	2.012	24.3	20.4

386394 2008 UQ_{161} 9 23.6 167°.75 0°.2/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 26.01	+ 4 36.8	2.076	2.911	13.4	21.4
8 29	0 21.32	+ 3 50.7	2.000	2.915	10.2	21.2
9 8	0 14.84	+ 2 50.7	1.947	2.918	6.5	21.0
9 18	0 7.13	+ 1 40.8	1.921	2.921	2.4	20.7
9 28	23 58.98	+ 0 26.7	1.924	2.924	1.8	20.7
10 8	23 51.27	− 0 44.6	1.956	2.926	5.8	20.9
10 18	23 44.77	− 1 47.2	2.015	2.927	9.5	21.2
10 28	23 40.11	− 2 36.4	2.099	2.928	12.7	21.4

402055 2003 SN_{333} 9 23.6 44°.52 0°.1/23.6 18

8 19	0 28.67	+ 0 34.3	2.134	2.975	12.8	20.7
8 29	0 23.22	+ 0 41.1	2.063	2.981	9.7	20.5
9 8	0 15.98	+ 0 40.1	2.015	2.988	6.1	20.3
9 18	0 7.53	+ 0 33.7	1.994	2.994	2.2	20.0
9 28	23 58.68	+ 0 25.2	2.002	3.001	1.7	20.0
10 8	23 50.30	+ 0 18.1	2.038	3.008	5.6	20.3
10 18	23 43.17	+ 0 15.9	2.102	3.015	9.1	20.5
10 28	23 37.90	+ 0 21.1	2.190	3.022	12.1	20.7

358819 2008 EV_{125} 9 23.6 60°.68 0°.2/23.4 18

8 19	0 28.53	+ 0 40.4	1.951	2.798	13.6	21.2
8 29	0 23.13	+ 0 35.1	1.894	2.816	10.3	21.0
9 8	0 15.90	+ 0 20.7	1.859	2.834	6.4	20.8
9 18	0 7.48	+ 0 0.6	1.851	2.852	2.3	20.6
9 28	23 58.74	− 0 21.1	1.871	2.870	1.9	20.6
10 8	23 50.61	− 0 39.9	1.920	2.889	5.9	20.9
10 18	23 43.87	− 0 52.1	1.995	2.907	9.5	21.1
10 28	23 39.10	− 0 54.7	2.094	2.926	12.6	21.4

248587 2006 BQ_{249} 9 23.6 95°.19 2°.8/25.8 17

8 19	0 31.80	+ 8 59.8	1.376	2.212	18.8	21.0
8 29	0 26.34	+ 8 54.3	1.320	2.230	14.7	20.8
9 8	0 18.26	+ 8 27.3	1.284	2.247	10.0	20.5
9 18	0 8.40	+ 7 41.4	1.271	2.264	5.1	20.3
9 28	23 58.04	+ 6 42.7	1.283	2.281	3.0	20.2
10 8	23 48.55	+ 5 40.0	1.322	2.298	7.1	20.5
10 18	23 41.06	+ 4 41.9	1.386	2.314	11.6	20.8
10 28	23 36.32	+ 3 55.7	1.472	2.330	15.6	21.1

447830 2007 TP_{379} 9 23.6 145°.48 10°.8/19.4 15

8 19	0 49.20	−22 1.9	1.098	1.965	20.4	20.7
8 29	0 40.25	−22 29.5	1.047	1.969	16.5	20.5
9 8	0 27.31	−22 42.0	1.016	1.972	12.9	20.3
9 18	0 11.70	−22 27.2	1.006	1.975	10.9	20.2
9 28	23 55.51	−21 36.7	1.021	1.978	12.0	20.3
10 8	23 40.99	−20 10.5	1.059	1.980	15.4	20.5
10 18	23 29.75	−18 15.3	1.120	1.982	19.3	20.7
10 28	23 22.66	−16 0.2	1.199	1.984	22.7	21.0

328853 2009 WB_{145} 9 23.6 292°.49 0°.1/23.7 18

8 19	0 23.75	+ 2 26.5	2.264	3.106	12.1	21.2
8 29	0 19.61	+ 2 6.0	2.173	3.092	9.3	21.0
9 8	0 13.80	+ 1 35.2	2.104	3.077	5.9	20.7
9 18	0 6.79	+ 0 56.7	2.063	3.063	2.2	20.5
9 28	23 59.25	+ 0 14.8	2.049	3.049	1.7	20.4
10 8	23 51.99	− 0 25.6	2.064	3.034	5.5	20.6
10 18	23 45.76	− 0 59.9	2.106	3.020	9.0	20.8
10 28	23 41.17	− 1 24.1	2.173	3.006	12.2	21.0

175495 2006 RC_{64} 9 23.6 334°.13 1°.5/25.0 18

8 19	0 23.63	+ 6 39.4	1.709	2.552	15.4	20.2
8 29	0 19.99	+ 6 22.4	1.630	2.546	12.0	20.0
9 8	0 14.25	+ 5 48.3	1.571	2.540	8.0	19.8
9 18	0 6.98	+ 5 0.0	1.537	2.534	3.6	19.5
9 28	23 59.10	+ 4 2.6	1.529	2.529	2.1	19.4
10 8	23 51.66	+ 3 3.3	1.548	2.524	6.3	19.6
10 18	23 45.59	+ 2 9.2	1.593	2.519	10.5	19.9
10 28	23 41.64	+ 1 26.5	1.660	2.515	14.2	20.1

245193 2004 TB_{299} 9 23.6 2°.08 0°.6/24.1 18

8 19	0 21.87	+ 4 49.4	1.270	2.141	18.0	19.8
8 29	0 19.18	+ 4 18.7	1.206	2.139	13.8	19.5
9 8	0 13.95	+ 3 27.6	1.161	2.139	8.9	19.3
9 18	0 6.90	+ 2 20.9	1.138	2.139	3.5	19.0
9 28	23 59.18	+ 1 7.0	1.140	2.140	2.3	18.9
10 8	23 52.10	− 0 3.8	1.166	2.143	7.7	19.2
10 18	23 46.80	− 1 2.6	1.216	2.146	12.7	19.5
10 28	23 44.07	− 1 42.8	1.286	2.150	16.9	19.8

225051 2007 GN_{41} 9 23.6 336°.51 5°.4/30.1 18

8 19	0 18.87	+19 38.7	1.851	2.636	16.6	19.1
8 29	0 16.40	+19 18.2	1.758	2.623	13.9	18.9
9 8	0 12.00	+18 30.7	1.685	2.611	10.8	18.7
9 18	0 6.18	+17 16.1	1.633	2.600	7.6	18.5
9 28	23 59.75	+15 37.8	1.607	2.590	5.5	18.3
10 8	23 53.68	+13 43.6	1.608	2.580	6.5	18.4
10 18	23 48.84	+11 43.3	1.635	2.571	9.6	18.5
10 28	23 45.96	+ 9 47.4	1.688	2.563	13.0	18.7

426634 2013 SZ_{66} 9 23.6 16°.40 4°.1/21.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.91	− 6 27.7	1.033	1.931	19.0	20.5
8 29	0 24.08	− 6 53.8	0.985	1.935	14.3	20.2
9 8	0 17.14	− 7 26.7	0.956	1.940	9.0	19.9
9 18	0 8.06	− 7 58.3	0.948	1.947	4.5	19.7
9 28	23 58.35	− 8 19.4	0.963	1.955	5.9	19.8
10 8	23 49.68	− 8 22.9	1.001	1.964	10.8	20.1
10 18	23 43.34	− 8 5.6	1.059	1.974	15.6	20.5
10 28	23 40.16	− 7 27.5	1.136	1.986	19.7	20.8

480238 2015 HK_{15} 9 23.6 87°.38 3°.8/20.2 16

8 19	0 29.14	− 7 20.5	1.717	2.586	14.1	21.3
8 29	0 23.80	− 8 12.4	1.668	2.603	10.5	21.2
9 8	0 16.40	− 9 8.2	1.643	2.621	6.7	21.0
9 18	0 7.68	−10 1.3	1.643	2.638	3.9	20.8
9 28	23 58.65	−10 44.7	1.670	2.655	5.1	21.0
10 8	23 50.34	−11 12.8	1.725	2.671	8.6	21.2
10 18	23 43.63	−11 23.0	1.804	2.688	12.0	21.5
10 28	23 39.11	−11 14.6	1.905	2.704	15.0	21.7

12493 Minkowski 9 23.6 227°.86 2°.2/20.7 18

8 19	0 22.98	− 4 44.1	2.550	3.407	10.5	18.7
8 29	0 18.79	− 5 35.0	2.471	3.401	7.8	18.5
9 8	0 13.15	− 6 31.6	2.417	3.395	4.8	18.3
9 18	0 6.52	− 7 29.4	2.391	3.389	2.4	18.1
9 28	23 59.51	− 8 23.4	2.394	3.382	3.4	18.2
10 8	23 52.81	− 9 8.9	2.426	3.376	6.2	18.3
10 18	23 47.03	− 9 42.3	2.485	3.369	9.1	18.5
10 28	23 42.71	−10 1.3	2.568	3.362	11.7	18.7

186773 2004 DJ_{21} 9 23.6 218°.25 0°.3/23.3 18

8 19	0 26.56	+ 3 32.7	1.772	2.619	14.8	20.9
8 29	0 22.13	+ 2 42.4	1.691	2.613	11.2	20.6
9 8	0 15.57	+ 1 36.0	1.633	2.607	7.1	20.4
9 18	0 7.47	+ 0 18.2	1.599	2.600	2.5	20.1
9 28	23 58.75	− 1 3.7	1.594	2.593	2.2	20.0
10 8	23 50.47	− 2 21.5	1.616	2.585	6.9	20.3
10 18	23 43.57	− 3 27.7	1.665	2.577	11.1	20.6
10 28	23 38.81	− 4 17.0	1.737	2.568	14.8	20.8

339269 2004 WG_3 9 23.6 342°.65 4°.1/20.4 18

8 19	0 21.24	− 5 22.1	1.162	2.062	17.2	20.0
8 29	0 19.02	− 6 12.7	1.095	2.047	13.0	19.7
9 8	0 14.05	− 7 14.1	1.048	2.033	8.2	19.4
9 18	0 7.01	− 8 17.9	1.022	2.021	4.4	19.2
9 28	23 59.13	− 9 13.3	1.020	2.010	6.1	19.2
10 8	23 51.85	− 9 50.6	1.040	2.001	10.9	19.5
10 18	23 46.45	−10 3.7	1.081	1.994	15.7	19.7
10 28	23 43.87	− 9 50.3	1.141	1.987	19.9	20.0

440831 2006 RM_{70} 9 23.6 86°.96 0°.1/23.7 18

8 19	0 28.89	+ 1 40.0	1.934	2.777	13.9	20.7
8 29	0 23.54	+ 1 34.4	1.867	2.787	10.5	20.5
9 8	0 16.26	+ 1 18.8	1.823	2.796	6.6	20.3
9 18	0 7.67	+ 0 56.0	1.805	2.805	2.5	20.1
9 28	23 58.66	+ 0 30.5	1.815	2.814	1.8	20.1
10 8	23 50.20	+ 0 7.0	1.853	2.824	6.0	20.4
10 18	23 43.12	− 0 10.2	1.918	2.833	9.7	20.6
10 28	23 38.05	− 0 17.8	2.007	2.842	13.0	20.8

509276 2006 UK_{268} 9 23.6 309°.81 2°.8/21.5 17

8 19	0 27.62	− 3 47.1	1.336	2.215	16.7	22.1
8 29	0 23.60	− 4 21.4	1.262	2.203	12.6	21.9
9 8	0 16.83	− 5 6.2	1.209	2.191	7.9	21.6
9 18	0 8.01	− 5 54.9	1.179	2.179	3.5	21.3
9 28	23 58.34	− 6 39.2	1.174	2.168	4.6	21.3
10 8	23 49.22	− 7 10.7	1.193	2.156	9.5	21.6
10 18	23 41.93	− 7 23.8	1.236	2.146	14.3	21.8
10 28	23 37.41	− 7 15.9	1.299	2.136	18.5	22.1

300666 2007 UV_{137} 9 23.6 312°.43 1°.4/22.4 18

8 19	0 28.64	− 2 33.6	1.764	2.624	14.2	20.8
8 29	0 23.67	− 2 46.3	1.688	2.618	10.7	20.6
9 8	0 16.52	− 3 6.8	1.635	2.613	6.7	20.4
9 18	0 7.82	− 3 30.9	1.607	2.607	2.5	20.1
9 28	23 58.53	− 3 53.4	1.606	2.602	3.0	20.1
10 8	23 49.73	− 4 9.2	1.633	2.598	7.2	20.4
10 18	23 42.39	− 4 14.3	1.685	2.593	11.3	20.6
10 28	23 37.25	− 4 6.1	1.760	2.588	14.8	20.8

200430 2000 TS_{18} 9 23.6 307°.31 1°.3/22.7 18

8 19	0 27.00	− 1 4.0	1.495	2.363	15.9	20.3
8 29	0 23.03	− 1 21.5	1.405	2.339	12.1	20.0
9 8	0 16.48	− 1 50.6	1.336	2.316	7.7	19.7
9 18	0 7.92	− 2 27.2	1.291	2.292	2.8	19.3
9 28	23 58.39	− 3 4.7	1.272	2.269	3.2	19.3
10 8	23 49.18	− 3 35.8	1.278	2.247	8.3	19.6
10 18	23 41.54	− 3 54.3	1.308	2.224	13.2	19.8
10 28	23 36.46	− 3 56.1	1.359	2.203	17.5	20.0

514732 2006 YG_{55} 9 23.6 212°.98 2°.0/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 25.22	− 4 1.9	2.344	3.200	11.3	22.2
8 29	0 20.58	− 4 40.3	2.267	3.196	8.4	22.0
9 8	0 14.33	− 5 24.5	2.215	3.192	5.2	21.8
9 18	0 6.97	− 6 10.6	2.189	3.188	2.3	21.6
9 28	23 59.21	− 6 53.3	2.193	3.184	3.2	21.6
10 8	23 51.81	− 7 28.2	2.225	3.180	6.3	21.8
10 18	23 45.46	− 7 51.5	2.284	3.175	9.5	22.0
10 28	23 40.74	− 8 1.2	2.367	3.170	12.3	22.2

315099 2007 EK_3 9 23.6 73°.23 2°.2/25.7 18

8 19	0 28.24	+ 7 21.8	2.192	3.009	13.3	20.2
8 29	0 22.87	+ 7 35.6	2.122	3.022	10.4	20.0
9 8	0 15.77	+ 7 37.1	2.075	3.034	7.1	19.8
9 18	0 7.49	+ 7 27.6	2.055	3.047	3.7	19.6
9 28	23 58.83	+ 7 9.8	2.062	3.059	2.3	19.6
10 8	23 50.64	+ 6 47.8	2.099	3.072	5.1	19.8
10 18	23 43.67	+ 6 25.7	2.163	3.084	8.4	20.0
10 28	23 38.51	+ 6 7.9	2.252	3.097	11.4	20.2

353132 2009 FS_{67} 9 23.6 334°.35 2°.3/21.7 18

8 19	0 27.61	− 4 31.0	1.698	2.566	14.3	20.4
8 29	0 22.95	− 4 52.2	1.626	2.561	10.8	20.2
9 8	0 16.09	− 5 20.1	1.576	2.556	6.7	19.9
9 18	0 7.67	− 5 49.6	1.551	2.551	2.9	19.7
9 28	23 58.67	− 6 14.9	1.553	2.546	3.8	19.7
10 8	23 50.19	− 6 30.5	1.582	2.542	7.8	20.0
10 18	23 43.21	− 6 32.8	1.635	2.539	11.8	20.2
10 28	23 38.46	− 6 19.6	1.711	2.535	15.3	20.4

222064 1998 XO_8 9 23.6 314°.34 6°.2/16.7 18

8 19	0 24.55	−16 3.2	2.067	2.942	11.8	19.9
8 29	0 20.35	−17 6.9	1.999	2.931	9.2	19.8
9 8	0 14.32	−18 8.6	1.955	2.919	7.0	19.6
9 18	0 7.00	−19 1.5	1.937	2.908	6.2	19.5
9 28	23 59.20	−19 39.0	1.945	2.897	7.5	19.6
10 8	23 51.83	−19 56.5	1.978	2.887	10.0	19.7
10 18	23 45.68	−19 52.2	2.036	2.876	12.7	19.9
10 28	23 41.40	−19 26.3	2.114	2.866	15.2	20.1

357699 2005 PQ_2 9 23.6 6°.16 4°.3/26.8 18

8 19	0 24.85	+ 9 48.4	1.379	2.223	18.4	19.4
8 29	0 21.33	+10 27.5	1.313	2.223	14.7	19.1
9 8	0 15.29	+10 47.3	1.266	2.226	10.5	18.9
9 18	0 7.43	+10 47.4	1.241	2.229	6.3	18.7
9 28	23 58.87	+10 30.6	1.240	2.234	4.4	18.6
10 8	23 50.91	+10 2.7	1.264	2.240	7.2	18.8
10 18	23 44.71	+ 9 31.0	1.311	2.248	11.4	19.0
10 28	23 41.08	+ 9 3.0	1.381	2.257	15.3	19.3

248732 2006 QK_{66} 9 23.6 26°.91 1°.0/24.4 18

8 19	0 25.59	+ 4 12.1	1.445	2.304	16.9	19.3
8 29	0 21.60	+ 4 5.2	1.388	2.314	12.9	19.1
9 8	0 15.28	+ 3 42.7	1.351	2.325	8.3	18.9
9 18	0 7.36	+ 3 8.0	1.337	2.336	3.4	18.6
9 28	23 58.96	+ 2 27.0	1.349	2.349	2.1	18.5
10 8	23 51.25	+ 1 46.8	1.387	2.362	6.8	18.9
10 18	23 45.24	+ 1 14.0	1.449	2.376	11.3	19.2
10 28	23 41.65	+ 0 53.4	1.533	2.390	15.1	19.5

298249 2002 VZ_{53} 9 23.6 349°.09 1°.5/22.6 18

8 19	0 31.11	− 3 50.7	1.578	2.442	15.4	20.0
8 29	0 25.74	− 3 40.9	1.506	2.438	11.6	19.7
9 8	0 17.93	− 3 36.7	1.455	2.434	7.3	19.5
9 18	0 8.36	− 3 34.7	1.430	2.431	2.7	19.2
9 28	23 58.15	− 3 30.3	1.431	2.428	3.1	19.2
10 8	23 48.53	− 3 19.4	1.459	2.426	7.7	19.5
10 18	23 40.61	− 2 59.1	1.512	2.424	12.0	19.7
10 28	23 35.19	− 2 27.5	1.587	2.423	15.7	20.0

515403 2013 GE_{139} 9 23.6 90°.25 1°.2/22.2 18

8 19	0 26.08	− 2 8.4	2.305	3.155	11.7	21.4
8 29	0 21.11	− 2 34.3	2.243	3.169	8.7	21.3
9 8	0 14.58	− 3 6.7	2.205	3.182	5.3	21.1
9 18	0 7.05	− 3 41.8	2.195	3.195	2.0	20.9
9 28	23 59.21	− 4 15.1	2.213	3.208	2.5	20.9
10 8	23 51.85	− 4 42.3	2.260	3.222	5.8	21.2
10 18	23 45.61	− 5 0.4	2.334	3.234	8.9	21.4
10 28	23 41.03	− 5 7.1	2.433	3.247	11.6	21.6

345012 2005 CL_{62} 9 23.6 297°.66 1°.2/22.7 18

8 19	0 27.37	− 0 44.9	1.656	2.517	14.9	20.7
8 29	0 23.13	− 1 6.4	1.559	2.490	11.4	20.4
9 8	0 16.47	− 1 39.5	1.484	2.462	7.2	20.1
9 18	0 7.92	− 2 20.1	1.433	2.435	2.6	19.8
9 28	23 58.42	− 3 2.1	1.409	2.407	3.0	19.8
10 8	23 49.16	− 3 38.5	1.412	2.379	7.8	20.0
10 18	23 41.30	− 4 3.3	1.440	2.352	12.5	20.2
10 28	23 35.80	− 4 12.1	1.489	2.324	16.6	20.4

406994 2009 RD_{45} 9 23.6 57.°65 0.°8/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 26.78	− 1 10.6	2.247	3.095	12.0	20.8
8 29	0 21.76	− 1 21.3	2.174	3.098	9.0	20.6
9 8	0 15.07	− 1 39.0	2.125	3.101	5.6	20.4
9 18	0 7.26	− 2 0.5	2.103	3.104	2.0	20.2
9 28	23 59.05	− 2 21.9	2.109	3.107	2.1	20.2
10 8	23 51.26	− 2 39.2	2.145	3.110	5.7	20.5
10 18	23 44.62	− 2 49.2	2.207	3.114	9.1	20.7
10 28	23 39.70	− 2 49.3	2.294	3.117	12.0	20.9

73399 2002 LT_{20} 9 23.6 271.°34 9.°5/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.11	+26 11.6	1.974	2.693	17.8	18.8
8 29	0 24.34	+27 16.5	1.879	2.682	15.7	18.6
9 8	0 17.19	+27 58.3	1.802	2.671	13.3	18.4
9 18	0 8.18	+28 12.6	1.746	2.660	11.1	18.2
9 28	23 58.24	+27 57.3	1.713	2.649	9.7	18.1
10 8	23 48.53	+27 14.8	1.706	2.637	9.8	18.1
10 18	23 40.20	+26 10.9	1.723	2.626	11.3	18.2
10 28	23 34.16	+24 54.9	1.763	2.615	13.7	18.3

319252 2006 AD_{81} 9 23.6 198.°30 3.°4/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.12	+13 7.2	2.639	3.423	12.2	20.8
8 29	0 21.18	+13 20.3	2.549	3.421	9.9	20.6
9 8	0 14.70	+13 19.7	2.482	3.419	7.3	20.5
9 18	0 7.14	+13 5.6	2.440	3.417	4.7	20.3
9 28	23 59.13	+12 40.0	2.427	3.414	3.4	20.2
10 8	23 51.40	+12 6.1	2.443	3.411	4.9	20.3
10 18	23 44.62	+11 28.3	2.487	3.408	7.5	20.5
10 28	23 39.36	+10 51.3	2.557	3.405	10.1	20.6

427606 2003 SR_{272} 9 23.6 20.°80 3.°6/25.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 31.87	+ 5 15.8	1.000	1.871	21.7	20.3
8 29	0 27.30	+ 6 17.8	0.949	1.878	17.1	20.1
9 8	0 19.33	+ 7 1.9	0.915	1.886	11.6	19.8
9 18	0 8.94	+ 7 27.5	0.901	1.896	6.0	19.5
9 28	23 57.76	+ 7 37.0	0.909	1.907	4.0	19.5
10 8	23 47.62	+ 7 36.3	0.941	1.919	8.6	19.8
10 18	23 40.03	+ 7 32.8	0.994	1.933	13.9	20.1
10 28	23 35.93	+ 7 33.6	1.067	1.947	18.4	20.4

430501 2001 UF_{70} 9 23.6 141.°26 1.°5/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.06	− 1 54.0	1.755	2.611	14.5	21.2
8 29	0 24.63	− 2 21.9	1.689	2.617	10.9	21.0
9 8	0 17.06	− 2 58.7	1.645	2.623	6.7	20.8
9 18	0 8.01	− 3 39.5	1.627	2.628	2.5	20.5
9 28	23 58.48	− 4 18.4	1.637	2.633	3.1	20.6
10 8	23 49.55	− 4 49.5	1.675	2.638	7.3	20.9
10 18	23 42.15	− 5 8.4	1.738	2.642	11.2	21.1
10 28	23 36.98	− 5 12.6	1.824	2.646	14.6	21.3

204591 2005 GB_{104} 9 23.6 135.°42 4.°9/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.97	+16 28.4	2.243	3.014	14.5	20.4
8 29	0 23.53	+16 50.4	2.165	3.023	12.0	20.2
9 8	0 16.26	+16 54.6	2.108	3.032	9.1	20.0
9 18	0 7.72	+16 40.6	2.076	3.041	6.4	19.9
9 28	23 58.70	+16 10.0	2.070	3.049	4.9	19.8
10 8	23 50.09	+15 27.2	2.094	3.057	6.0	19.9
10 18	23 42.71	+14 37.5	2.144	3.065	8.5	20.1
10 28	23 37.20	+13 47.3	2.221	3.072	11.2	20.3

407004 2009 RH_{62} 9 23.6 15.°59 0.°8/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.60	+ 6 6.6	2.153	2.989	12.9	21.3
8 29	0 18.01	+ 5 27.4	2.076	2.990	9.9	21.1
9 8	0 12.79	+ 4 33.9	2.023	2.992	6.4	20.9
9 18	0 6.45	+ 3 29.7	1.995	2.993	2.7	20.7
9 28	23 59.71	+ 2 19.8	1.996	2.995	1.6	20.6
10 8	23 53.34	+ 1 10.7	2.024	2.997	5.3	20.9
10 18	23 48.06	+ 0 8.1	2.080	3.000	8.8	21.1
10 28	23 44.43	− 0 42.9	2.161	3.002	11.9	21.3

483195 2015 PP_{229} 9 23.6 44.°62 1.°2/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.06	+ 7 4.2	1.787	2.627	15.0	20.6
8 29	0 19.35	+ 6 26.0	1.721	2.636	11.5	20.4
9 8	0 13.73	+ 5 30.7	1.676	2.645	7.5	20.2
9 18	0 6.80	+ 4 22.1	1.656	2.654	3.3	19.9
9 28	23 59.45	+ 3 6.5	1.663	2.663	1.8	19.9
10 8	23 52.61	+ 1 51.6	1.698	2.673	5.9	20.2
10 18	23 47.12	+ 0 44.5	1.759	2.682	9.9	20.4
10 28	23 43.60	− 0 9.1	1.844	2.692	13.3	20.7

239705 2009 AS_{1} 9 23.6 314.°59 3.°5/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.69	+13 37.1	1.557	2.383	17.5	20.0
8 29	0 18.12	+13 1.1	1.466	2.366	14.1	19.7
9 8	0 13.29	+11 57.3	1.395	2.350	10.1	19.4
9 18	0 6.75	+10 27.2	1.346	2.334	5.9	19.2
9 28	23 59.43	+ 8 36.7	1.323	2.319	3.5	19.0
10 8	23 52.47	+ 6 36.2	1.326	2.304	6.7	19.1
10 18	23 46.95	+ 4 37.5	1.355	2.290	11.2	19.4
10 28	23 43.73	+ 2 51.8	1.407	2.276	15.4	19.6

424570 2008 FB_{115} 9 23.6 242.°13 0.°3/23.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 19.56	+ 1 7.7	3.726	4.560	8.0	22.2
8 29	0 15.86	+ 0 33.6	3.631	4.547	6.0	22.1
9 8	0 11.18	− 0 6.8	3.561	4.534	3.7	21.9
9 18	0 5.83	− 0 51.2	3.520	4.521	1.3	21.7
9 28	0 0.20	− 1 36.7	3.510	4.508	1.3	21.7
10 8	23 54.75	− 2 20.3	3.529	4.494	3.7	21.9
10 18	23 49.87	− 2 59.0	3.578	4.480	6.1	22.0
10 28	23 45.94	− 3 30.4	3.653	4.466	8.1	22.1

28958 2001 CQ_{42} 9 23.6 293.°77 1.°0/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 16.77	− 3 15.7	4.320	5.168	6.7	19.4
8 29	0 13.64	− 3 50.2	4.236	5.162	5.0	19.3
9 8	0 9.72	− 4 28.3	4.179	5.156	3.0	19.2
9 18	0 5.28	− 5 7.6	4.150	5.150	1.3	19.0
9 28	0 0.64	− 5 45.8	4.151	5.144	1.7	19.1
10 8	23 56.16	− 6 20.2	4.183	5.138	3.6	19.2
10 18	23 52.17	− 6 48.9	4.243	5.132	5.5	19.3
10 28	23 48.96	− 7 10.1	4.329	5.126	7.2	19.5

298231 2002 UL_{75} 9 23.6 338.°50 2.°1/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.60	− 3 0.4	1.629	2.499	14.7	20.6
8 29	0 21.54	− 3 30.7	1.557	2.493	11.0	20.3
9 8	0 15.27	− 4 10.0	1.507	2.487	6.9	20.1
9 18	0 7.42	− 4 53.1	1.482	2.482	2.8	19.8
9 28	23 58.96	− 5 33.2	1.483	2.477	3.6	19.9
10 8	23 51.02	− 6 3.8	1.510	2.473	7.9	20.1
10 18	23 44.57	− 6 20.3	1.562	2.469	12.0	20.4
10 28	23 40.36	− 6 19.9	1.635	2.466	15.6	20.6

98574 2000 WJ_{32} 9 23.6 267.°68 8.°8/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.22	−20 43.2	1.771	2.645	13.5	19.5
8 29	0 23.49	−22 12.8	1.710	2.634	11.0	19.4
9 8	0 16.48	−23 36.9	1.672	2.622	9.2	19.2
9 18	0 7.85	−24 45.7	1.659	2.610	8.9	19.2
9 28	23 58.63	−25 30.5	1.670	2.599	10.4	19.3
10 8	23 49.95	−25 46.4	1.706	2.587	12.9	19.4
10 18	23 42.84	−25 32.4	1.763	2.574	15.6	19.5
10 28	23 38.03	−24 50.8	1.839	2.562	18.0	19.7

35712 1999 FF_{30} 9 23.6 273.°83 3.°8/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 31.56	− 6 23.2	1.386	2.261	16.5	18.6
8 29	0 26.55	− 6 56.5	1.311	2.249	12.5	18.3
9 8	0 18.71	− 7 36.9	1.257	2.237	8.0	18.0
9 18	0 8.75	− 8 17.6	1.226	2.224	4.1	17.8
9 28	23 57.90	− 8 50.1	1.221	2.211	5.4	17.8
10 8	23 47.61	− 9 7.2	1.241	2.198	10.0	18.0
10 18	23 39.21	− 9 4.6	1.285	2.185	14.6	18.3
10 28	23 33.66	− 8 40.9	1.349	2.172	18.7	18.5

478991 2012 XJ_{126} 9 23.6 317.°00 0.°4/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.76	+ 1 9.4	1.495	2.360	16.1	21.6
8 29	0 22.00	+ 0 54.5	1.412	2.344	12.3	21.3
9 8	0 15.77	+ 0 26.0	1.350	2.328	7.8	21.0
9 18	0 7.67	− 0 12.1	1.311	2.313	2.8	20.7
9 28	23 58.74	− 0 53.9	1.298	2.298	2.5	20.6
10 8	23 50.21	− 1 31.9	1.311	2.283	7.7	20.9
10 18	23 43.26	− 1 59.7	1.348	2.269	12.5	21.2
10 28	23 38.78	− 2 12.4	1.406	2.256	16.6	21.4

202525 2006 DP_{6} 9 23.6 221.°98 1.°3/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.04	− 0 36.7	1.959	2.811	13.3	21.0
8 29	0 22.30	− 1 16.1	1.879	2.805	10.0	20.8
9 8	0 15.61	− 2 5.8	1.822	2.799	6.2	20.5
9 18	0 7.53	− 3 1.3	1.791	2.792	2.3	20.3
9 28	23 58.89	− 3 56.5	1.789	2.785	2.8	20.3
10 8	23 50.66	− 4 45.2	1.814	2.777	6.8	20.5
10 18	23 43.70	− 5 22.1	1.866	2.769	10.6	20.7
10 28	23 38.71	− 5 44.0	1.942	2.761	13.9	20.9

443292 2014 FT_{5} 9 23.6 124.°32 1.°6/21.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.23	− 2 50.9	2.268	3.116	11.9	22.3
8 29	0 22.74	− 3 25.5	2.206	3.131	8.8	22.1
9 8	0 15.63	− 4 6.3	2.170	3.146	5.4	21.9
9 18	0 7.46	− 4 49.2	2.161	3.161	2.2	21.7
9 28	23 58.99	− 5 29.1	2.181	3.174	2.8	21.8
10 8	23 51.03	− 6 1.7	2.230	3.188	6.1	22.0
10 18	23 44.27	− 6 23.5	2.307	3.201	9.3	22.3
10 28	23 39.24	− 6 32.7	2.407	3.213	12.0	22.5

446640 2015 ME_{121} 9 23.6 45.°11 0.°1/23.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.68	+ 4 42.1	1.468	2.325	16.7	20.5
8 29	0 20.65	+ 3 40.9	1.429	2.356	12.5	20.3
9 8	0 14.50	+ 2 23.0	1.412	2.388	7.8	20.1
9 18	0 7.05	+ 0 55.4	1.419	2.420	2.8	19.9
9 28	23 59.37	− 0 33.0	1.453	2.452	2.2	19.9
10 8	23 52.51	− 1 53.0	1.513	2.484	6.9	20.3
10 18	23 47.32	− 2 57.8	1.598	2.517	11.0	20.6
10 28	23 44.35	− 3 43.2	1.706	2.550	14.5	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
488572 2001 XH_{260}			9 23.6	6°.50	9°.5/ 2.9	18
	h m	° ′			°	m
8 19	0 19.70	+23 55.0	1.228	2.023	22.9	20.8
8 29	0 17.91	+24 22.3	1.161	2.023	19.8	20.5
9 8	0 13.38	+24 12.2	1.109	2.024	16.2	20.3
9 18	0 6.82	+23 21.2	1.075	2.027	12.5	20.1
9 28	23 59.45	+21 51.4	1.061	2.030	9.9	20.0
10 8	23 52.73	+19 52.0	1.070	2.035	9.9	20.0
10 18	23 47.93	+17 37.5	1.101	2.042	12.6	20.2
10 28	23 45.93	+15 24.0	1.154	2.049	16.1	20.4
220796 2004 TC_{213}			9 23.6	354°.35	5°.2/29.9	18
8 19	0 19.20	+19 18.8	1.827	2.614	16.7	19.6
8 29	0 16.63	+18 52.7	1.743	2.610	13.9	19.4
9 8	0 12.14	+17 59.5	1.678	2.607	10.7	19.2
9 18	0 6.28	+16 39.8	1.635	2.604	7.4	19.0
9 28	23 59.89	+14 57.9	1.618	2.602	5.3	18.9
10 8	23 53.90	+13 1.9	1.628	2.601	6.3	18.9
10 18	23 49.19	+11 2.0	1.665	2.601	9.4	19.1
10 28	23 46.43	+ 9 8.4	1.727	2.601	12.8	19.3
85799 1998 VV_{50}			9 23.6	317°.80	5°.3/19.7	18
8 19	0 24.52	− 6 23.2	1.081	1.981	18.2	18.7
8 29	0 21.84	− 7 31.6	1.012	1.963	13.8	18.4
9 8	0 16.06	− 8 52.4	0.962	1.946	9.0	18.1
9 18	0 7.87	−10 15.2	0.933	1.930	5.4	17.8
9 28	23 58.61	−11 26.6	0.927	1.914	7.4	17.9
10 8	23 49.94	−12 15.0	0.943	1.899	12.5	18.1
10 18	23 43.37	−12 33.2	0.979	1.885	17.6	18.4
10 28	23 39.97	−12 19.7	1.032	1.871	22.1	18.6
106169 2000 TP_{67}			9 23.6	323°.03	2°.0/25.3	18
8 19	0 23.34	+ 7 19.3	1.423	2.276	17.4	19.3
8 29	0 20.30	+ 7 7.2	1.340	2.261	13.7	19.0
9 8	0 14.77	+ 6 34.5	1.277	2.247	9.2	18.7
9 18	0 7.33	+ 5 43.4	1.236	2.233	4.4	18.4
9 28	23 59.04	+ 4 39.6	1.220	2.219	2.5	18.2
10 8	23 51.17	+ 3 31.8	1.229	2.207	7.2	18.5
10 18	23 44.89	+ 2 29.1	1.262	2.195	12.1	18.7
10 28	23 41.13	+ 1 39.6	1.317	2.183	16.5	19.0
206173 2002 TT_{272}			9 23.6	285°.19	0°.8/24.3	18
8 19	0 27.29	+ 3 38.6	1.890	2.731	14.2	20.0
8 29	0 22.61	+ 3 33.5	1.806	2.723	10.9	19.7
9 8	0 15.88	+ 3 16.2	1.745	2.716	7.1	19.5
9 18	0 7.67	+ 2 49.1	1.709	2.708	2.9	19.2
9 28	23 58.84	+ 2 16.5	1.701	2.701	1.8	19.1
10 8	23 50.41	+ 1 43.7	1.720	2.693	6.1	19.4
10 18	23 43.28	+ 1 15.9	1.766	2.686	10.1	19.6
10 28	23 38.20	+ 0 57.7	1.836	2.678	13.6	19.8
371891 2008 CQ_{87}			9 23.6	128°.43	1°.3/22.7	17
8 19	0 31.42	− 1 13.5	1.540	2.400	16.0	21.2
8 29	0 25.96	− 1 32.6	1.475	2.405	12.0	21.0
9 8	0 18.06	− 2 2.0	1.432	2.409	7.5	20.7
9 18	0 8.45	− 2 36.9	1.413	2.414	2.7	20.5
9 28	23 58.27	− 3 11.0	1.421	2.418	3.0	20.5
10 8	23 48.77	− 3 37.8	1.456	2.422	7.7	20.8
10 18	23 41.03	− 3 52.6	1.516	2.426	12.1	21.1
10 28	23 35.81	− 3 52.4	1.598	2.430	15.8	21.3
512141 2015 PW_{101}			9 23.6	92°.48	4°.0/19.3	18
8 19	0 26.13	− 7 58.7	1.928	2.798	12.8	21.6
8 29	0 21.43	− 9 10.2	1.878	2.814	9.5	21.4
9 8	0 14.92	−10 25.3	1.853	2.830	6.2	21.3
9 18	0 7.24	−11 37.1	1.854	2.846	4.0	21.2
9 28	23 59.25	−12 38.3	1.883	2.861	5.3	21.3
10 8	23 51.85	−13 23.4	1.939	2.877	8.4	21.5
10 18	23 45.81	−13 49.4	2.020	2.892	11.5	21.7
10 28	23 41.68	−13 55.5	2.123	2.907	14.1	22.0
209865 2005 JT_{58}			9 23.6	16°.30	0°.5/24.1	18
8 19	0 23.63	+ 4 37.3	1.646	2.499	15.4	20.7
8 29	0 19.99	+ 4 5.8	1.577	2.501	11.8	20.5
9 8	0 14.26	+ 3 18.2	1.530	2.504	7.6	20.3
9 18	0 7.07	+ 2 18.7	1.507	2.507	3.0	20.0
9 28	23 59.36	+ 1 13.7	1.511	2.511	1.9	19.9
10 8	23 52.17	+ 0 11.0	1.541	2.515	6.5	20.2
10 18	23 46.43	− 0 42.6	1.597	2.520	10.8	20.5
10 28	23 42.83	− 1 21.6	1.676	2.525	14.4	20.7
300560 2007 TQ_{319}			9 23.6	265°.64	0°.9/24.6	18
8 19	0 24.20	+ 6 7.6	1.963	2.799	14.0	21.8
8 29	0 20.24	+ 5 34.2	1.876	2.789	10.8	21.6
9 8	0 14.37	+ 4 45.0	1.810	2.779	7.1	21.3
9 18	0 7.12	+ 3 43.0	1.771	2.769	3.0	21.1
9 28	23 59.29	+ 2 33.7	1.759	2.759	1.8	20.9
10 8	23 51.81	+ 1 23.9	1.775	2.748	5.9	21.2
10 18	23 45.52	+ 0 20.4	1.818	2.738	9.8	21.4
10 28	23 41.13	− 0 31.0	1.885	2.727	13.3	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
170896 2004 TW_{356}			9 23.6	149°.20	17°.3/14.5	17
	h m	° ′			°	m
8 19	0 50.20	−36 6.5	1.183	2.023	21.1	20.0
8 29	0 41.04	−37 26.7	1.151	2.027	18.9	19.9
9 8	0 27.76	−38 17.2	1.136	2.031	17.5	19.8
9 18	0 11.92	−38 23.0	1.140	2.034	17.3	19.8
9 28	23 55.79	−37 35.6	1.165	2.037	18.4	19.9
10 8	23 41.69	−35 57.2	1.209	2.040	20.3	20.1
10 18	23 31.13	−33 37.5	1.271	2.042	22.6	20.3
10 28	23 24.80	−30 49.1	1.348	2.044	24.7	20.4
43546 2001 FJ_{8}			9 23.6	148°.35	4°.0/19.4	18
8 19	0 30.27	−13 22.2	2.598	3.452	10.4	19.0
8 29	0 24.13	−13 44.4	2.533	3.456	7.9	18.9
9 8	0 16.46	−14 4.9	2.493	3.461	5.5	18.7
9 18	0 7.80	−14 19.6	2.481	3.465	4.0	18.6
9 28	23 58.85	−14 24.5	2.499	3.469	4.9	18.7
10 8	23 50.36	−14 17.3	2.545	3.473	7.2	18.9
10 18	23 42.99	−13 56.7	2.619	3.476	9.7	19.0
10 28	23 37.26	−13 23.1	2.717	3.480	11.9	19.2
454432 2014 OD_{15}			9 23.6	13°.12	4°.5/27.9	17
8 19	0 25.23	+13 42.4	1.940	2.742	15.4	21.1
8 29	0 21.03	+14 4.0	1.863	2.744	12.5	20.9
9 8	0 14.86	+14 7.4	1.806	2.747	9.3	20.7
9 18	0 7.31	+13 52.5	1.772	2.749	6.1	20.5
9 28	23 59.21	+13 21.8	1.766	2.753	4.5	20.4
10 8	23 51.53	+12 39.8	1.786	2.757	6.1	20.5
10 18	23 45.13	+11 52.8	1.832	2.761	9.2	20.7
10 28	23 40.71	+11 7.5	1.903	2.765	12.3	20.9
246887 1996 XK_{28}			9 23.6	333°.59	0°.4/23.9	18
8 19	0 24.28	+ 3 33.1	1.833	2.682	14.3	20.6
8 29	0 20.37	+ 3 11.7	1.755	2.677	10.9	20.3
9 8	0 14.48	+ 2 37.0	1.698	2.672	7.0	20.1
9 18	0 7.17	+ 1 52.1	1.667	2.667	2.7	19.8
9 28	23 59.31	+ 1 2.3	1.663	2.662	1.8	19.8
10 8	23 51.87	+ 0 14.1	1.686	2.658	6.2	20.0
10 18	23 45.72	− 0 26.7	1.735	2.654	10.2	20.3
10 28	23 41.57	− 0 55.5	1.807	2.651	13.7	20.5
362308 2009 TQ_{31}			9 23.6	8°.99	13°.3/15.9	18
8 19	0 40.88	−34 46.0	1.564	2.400	16.9	18.9
8 29	0 32.99	−35 13.4	1.526	2.403	15.0	18.8
9 8	0 22.27	−35 17.2	1.508	2.408	13.6	18.7
9 18	0 9.88	−34 48.5	1.511	2.414	13.3	18.7
9 28	23 57.38	−33 42.9	1.538	2.421	14.1	18.8
10 8	23 46.30	−32 1.9	1.587	2.429	15.7	18.9
10 18	23 37.71	−29 51.8	1.657	2.439	17.7	19.1
10 28	23 32.20	−27 20.8	1.747	2.449	19.6	19.2
248806 2006 SD_{145}			9 23.6	84°.13	0°.2/23.4	18
8 19	0 25.35	+ 2 11.0	1.952	2.800	13.6	21.2
8 29	0 20.97	+ 1 40.8	1.880	2.803	10.3	21.0
9 8	0 14.75	+ 0 58.9	1.831	2.806	6.5	20.7
9 18	0 7.24	+ 0 9.1	1.808	2.809	2.3	20.5
9 28	23 59.28	− 0 43.1	1.813	2.812	2.0	20.5
10 8	23 51.79	− 1 31.6	1.846	2.815	6.1	20.8
10 18	23 45.56	− 2 11.3	1.905	2.818	9.9	21.0
10 28	23 41.22	− 2 38.2	1.988	2.821	13.1	21.2
225737 2001 RS_{154}			9 23.6	326°.97	5°.3/19.9	18
8 19	0 27.55	− 9 17.4	1.295	2.184	16.5	19.6
8 29	0 23.65	− 9 59.8	1.226	2.171	12.6	19.4
9 8	0 16.94	−10 46.6	1.177	2.158	8.3	19.1
9 18	0 8.16	−11 29.6	1.152	2.146	5.4	18.9
9 28	23 58.54	−11 59.6	1.150	2.134	6.9	19.0
10 8	23 49.54	−12 9.1	1.172	2.123	11.1	19.2
10 18	23 42.44	−11 54.9	1.216	2.113	15.6	19.4
10 28	23 38.17	−11 16.7	1.279	2.104	19.4	19.6
41384 2000 AJ_{138}			9 23.6	277°.14	2°.4/20.9	18
8 19	0 24.10	− 4 46.5	2.229	3.090	11.6	19.0
8 29	0 19.93	− 5 32.3	2.145	3.077	8.7	18.8
9 8	0 14.07	− 6 24.6	2.086	3.064	5.4	18.6
9 18	0 7.01	− 7 18.7	2.053	3.051	2.7	18.4
9 28	23 59.45	− 8 8.8	2.049	3.038	3.7	18.4
10 8	23 52.21	− 8 49.7	2.073	3.025	6.9	18.6
10 18	23 46.03	− 9 17.2	2.123	3.012	10.2	18.8
10 28	23 41.53	− 9 29.2	2.196	2.999	13.1	19.0
68771 2002 EW_{138}			9 23.6	13°.03	1°.7/22.3	18
8 19	0 19.91	+ 1 46.6	0.943	1.843	20.3	19.0
8 29	0 18.29	+ 0 43.2	0.895	1.846	15.2	18.7
9 8	0 13.68	− 0 42.5	0.865	1.851	9.4	18.4
9 18	0 6.96	− 2 21.0	0.855	1.857	3.3	18.1
9 28	23 59.55	− 3 58.3	0.867	1.865	4.1	18.2
10 8	23 53.03	− 5 20.4	0.901	1.874	10.0	18.6
10 18	23 48.68	− 6 17.7	0.956	1.885	15.4	18.9
10 28	23 47.32	− 6 45.4	1.028	1.896	19.9	19.2

91774 1999 TT_{203} 9 23.6 69°.31 1°.0/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.39	+ 4 42.6	2.033	2.867	13.7	19.5
8 29	0 22.30	+ 4 33.9	1.974	2.886	10.4	19.3
9 8	0 15.45	+ 4 13.3	1.938	2.906	6.8	19.2
9 18	0 7.46	+ 3 43.5	1.928	2.926	2.9	19.0
9 28	23 59.16	+ 3 8.7	1.946	2.946	1.7	18.9
10 8	23 51.42	+ 2 33.9	1.993	2.966	5.4	19.2
10 18	23 44.99	+ 2 3.7	2.067	2.985	8.9	19.5
10 28	23 40.42	+ 1 42.0	2.165	3.005	11.9	19.7

389573 2010 WN_{10} 9 23.6 267°.04 1°.1/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.63	− 4 15.1	4.358	5.206	6.6	21.3
8 29	0 14.29	− 4 43.6	4.277	5.203	4.9	21.2
9 8	0 10.15	− 5 15.0	4.223	5.199	3.0	21.0
9 18	0 5.50	− 5 47.2	4.197	5.196	1.3	20.9
9 28	0 0.66	− 6 17.8	4.201	5.193	1.8	20.9
10 8	23 55.98	− 6 44.5	4.236	5.189	3.7	21.1
10 18	23 51.79	− 7 5.4	4.299	5.186	5.5	21.2
10 28	23 48.40	− 7 19.1	4.388	5.182	7.2	21.3

374011 2004 CX_{99} 9 23.6 163°.12 1°.6/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.72	− 1 35.2	1.895	2.746	13.8	21.6
8 29	0 24.29	− 2 17.4	1.826	2.752	10.3	21.4
9 8	0 16.85	− 3 8.9	1.780	2.757	6.4	21.1
9 18	0 8.03	− 4 4.6	1.761	2.761	2.4	20.9
9 28	23 58.74	− 4 58.2	1.770	2.765	3.1	21.0
10 8	23 49.99	− 5 43.5	1.807	2.768	7.1	21.2
10 18	23 42.64	− 6 15.8	1.871	2.770	10.8	21.5
10 28	23 37.37	− 6 32.2	1.958	2.772	14.1	21.7

3957 Sugie 9 23.6 32°.10 0°.1/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.18	+ 4 0.7	1.714	2.569	14.8	16.6
8 29	0 18.74	+ 3 16.7	1.656	2.582	11.2	16.4
9 8	0 13.39	+ 2 17.8	1.620	2.595	7.1	16.2
9 18	0 6.76	+ 1 8.9	1.609	2.609	2.6	16.0
9 28	23 59.75	− 0 2.8	1.625	2.624	2.0	16.0
10 8	23 53.31	− 1 9.9	1.667	2.639	6.3	16.3
10 18	23 48.24	− 2 6.0	1.736	2.655	10.3	16.6
10 28	23 45.14	− 2 46.6	1.827	2.672	13.6	16.8

392416 2010 MF_{51} 9 23.6 161°.23 4°.2/18.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.53	− 7 10.0	2.001	2.871	12.4	20.8
8 29	0 20.33	− 8 51.1	1.939	2.875	9.2	20.6
9 8	0 14.34	−10 38.5	1.901	2.878	6.0	20.5
9 18	0 7.12	−12 24.2	1.891	2.881	4.2	20.4
9 28	23 59.47	−13 59.5	1.909	2.884	5.7	20.5
10 8	23 52.27	−15 17.1	1.956	2.886	8.8	20.7
10 18	23 46.30	−16 12.8	2.027	2.888	11.9	20.9
10 28	23 42.18	−16 44.7	2.120	2.890	14.6	21.1

512811 2016 UP_{93} 9 23.6 113°.32 3°.8/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.52	− 8 53.1	1.873	2.740	13.3	20.9
8 29	0 24.13	− 9 30.4	1.812	2.745	10.0	20.7
9 8	0 16.73	−10 10.2	1.774	2.750	6.5	20.5
9 18	0 7.99	−10 46.6	1.761	2.755	4.0	20.4
9 28	23 58.83	−11 13.8	1.777	2.760	5.1	20.5
10 8	23 50.25	−11 27.0	1.820	2.764	8.3	20.7
10 18	23 43.14	−11 23.9	1.888	2.769	11.7	20.9
10 28	23 38.11	−11 3.9	1.978	2.774	14.6	21.1

616 Elly 9 23.6 261°.58 0°.9/24.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 32.93	+ 2 24.7	1.763	2.602	15.2	14.8
8 29	0 27.04	+ 2 44.3	1.680	2.596	11.7	14.6
9 8	0 18.80	+ 2 53.7	1.620	2.590	7.6	14.3
9 18	0 8.82	+ 2 54.7	1.585	2.584	3.2	14.1
9 28	23 58.13	+ 2 50.3	1.578	2.577	2.0	14.0
10 8	23 47.89	+ 2 44.8	1.599	2.571	6.5	14.2
10 18	23 39.18	+ 2 42.4	1.646	2.565	10.8	14.5
10 28	23 32.83	+ 2 47.2	1.717	2.558	14.5	14.7

513809 2013 CM_{224} 9 23.6 138°.79 0°.4/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.73	+ 1 44.4	2.311	3.153	12.0	21.9
8 29	0 20.23	+ 1 9.6	2.239	3.159	9.0	21.8
9 8	0 14.17	+ 0 25.0	2.190	3.164	5.6	21.6
9 18	0 7.04	− 0 25.8	2.169	3.169	2.0	21.3
9 28	23 59.55	− 1 18.1	2.176	3.174	1.8	21.3
10 8	23 52.45	− 2 6.7	2.212	3.179	5.4	21.6
10 18	23 46.41	− 2 47.2	2.276	3.184	8.7	21.8
10 28	23 42.00	− 3 16.2	2.364	3.188	11.6	22.0

461175 2015 US_{48} 9 23.6 189°.80 4°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.52	−12 18.8	2.426	3.295	10.5	21.2
8 29	0 19.30	−13 23.8	2.363	3.295	8.0	21.0
9 8	0 13.57	−14 29.3	2.324	3.295	5.6	20.9
9 18	0 6.82	−15 29.7	2.313	3.294	4.5	20.8
9 28	23 59.72	−16 19.2	2.330	3.294	5.7	20.9
10 8	23 53.00	−16 53.7	2.374	3.293	8.0	21.0
10 18	23 47.30	−17 10.8	2.444	3.293	10.5	21.2
10 28	23 43.15	−17 9.7	2.535	3.292	12.8	21.4

18462 Riccò 9 23.6 355°.04 0°.4/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 23.54	+ 1 55.8	1.801	2.658	14.2	18.5
8 29	0 19.81	+ 1 20.8	1.729	2.656	10.7	18.3
9 8	0 14.13	+ 0 32.9	1.678	2.655	6.7	18.0
9 18	0 7.07	− 0 23.5	1.652	2.654	2.4	17.8
9 28	23 59.51	− 1 22.1	1.654	2.653	2.2	17.8
10 8	23 52.40	− 2 16.2	1.683	2.652	6.5	18.0
10 18	23 46.60	− 3 0.0	1.737	2.652	10.5	18.3
10 28	23 42.78	− 3 29.1	1.815	2.653	14.0	18.5

9252 Goddard 9 23.6 8°.29 2°.0/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.88	+ 7 37.3	1.753	2.592	15.2	17.2
8 29	0 19.37	+ 7 28.5	1.681	2.594	11.9	17.0
9 8	0 13.87	+ 7 3.0	1.631	2.596	8.0	16.8
9 18	0 6.98	+ 6 23.3	1.604	2.599	4.0	16.6
9 28	23 59.58	+ 5 34.1	1.604	2.603	2.3	16.5
10 8	23 52.65	+ 4 41.9	1.631	2.607	5.9	16.7
10 18	23 47.07	+ 3 53.1	1.683	2.612	9.8	17.0
10 28	23 43.51	+ 3 13.7	1.758	2.618	13.4	17.2

5399 Awa 9 23.6 293°.70 2°.3/25.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.84	+ 8 30.2	1.914	2.742	14.6	16.8
8 29	0 20.91	+ 8 22.3	1.817	2.722	11.6	16.6
9 8	0 14.94	+ 7 57.9	1.741	2.703	8.0	16.3
9 18	0 7.43	+ 7 18.2	1.690	2.683	4.1	16.1
9 28	23 59.19	+ 6 27.1	1.665	2.663	2.5	15.9
10 8	23 51.21	+ 5 30.5	1.668	2.644	5.9	16.1
10 18	23 44.42	+ 4 35.2	1.698	2.624	10.0	16.3
10 28	23 39.63	+ 3 47.6	1.751	2.605	13.7	16.5

364839 2008 CA_{142} 9 23.6 267°.16 0°.1/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.21	+ 3 14.1	2.402	3.233	11.9	22.9
8 29	0 21.56	+ 2 42.3	2.292	3.205	9.1	22.6
9 8	0 15.18	+ 1 58.7	2.206	3.176	5.9	22.4
9 18	0 7.49	+ 1 6.1	2.147	3.147	2.2	22.1
9 28	23 59.15	+ 0 8.8	2.117	3.117	1.7	22.0
10 8	23 50.96	− 0 47.8	2.117	3.086	5.5	22.2
10 18	23 43.70	− 1 38.4	2.145	3.054	9.2	22.4
10 28	23 38.06	− 2 18.3	2.199	3.022	12.4	22.6

388876 2008 RE_{29} 9 23.6 328°.49 0°.9/25.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.39	+ 5 16.5	4.338	5.144	7.4	20.6
8 29	0 17.82	+ 5 25.3	4.248	5.143	5.7	20.5
9 8	0 12.38	+ 5 28.5	4.183	5.142	3.8	20.3
9 18	0 6.35	+ 5 27.0	4.148	5.142	1.8	20.2
9 28	0 0.10	+ 5 22.1	4.143	5.141	1.1	20.1
10 8	23 54.02	+ 5 15.8	4.169	5.140	2.9	20.3
10 18	23 48.47	+ 5 9.6	4.225	5.139	4.9	20.4
10 28	23 43.78	+ 5 5.5	4.310	5.139	6.7	20.5

112140 2002 JQ_{59} 9 23.6 171°.47 3°.0/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.13	+10 58.4	1.616	2.438	17.1	19.9
8 29	0 23.56	+10 41.4	1.540	2.440	13.6	19.7
9 8	0 16.65	+10 2.5	1.485	2.442	9.5	19.4
9 18	0 8.05	+ 9 3.6	1.453	2.443	5.2	19.2
9 28	23 58.81	+ 7 50.2	1.447	2.444	3.1	19.1
10 8	23 50.10	+ 6 30.5	1.469	2.445	6.5	19.3
10 18	23 42.99	+ 5 13.5	1.517	2.445	10.8	19.5
10 28	23 38.24	+ 4 7.3	1.587	2.445	14.6	19.8

383596 2007 HT_{2} 9 23.6 186°.52 0°.9/22.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.56	+ 0 20.0	2.033	2.878	13.2	22.8
8 29	0 23.37	− 0 15.9	1.956	2.878	10.0	22.6
9 8	0 16.29	− 1 2.1	1.903	2.878	6.2	22.4
9 18	0 7.87	− 1 54.4	1.876	2.877	2.2	22.1
9 28	23 58.96	− 2 47.2	1.877	2.875	2.4	22.1
10 8	23 50.48	− 3 34.7	1.908	2.872	6.4	22.4
10 18	23 43.27	− 4 11.8	1.965	2.869	10.1	22.6
10 28	23 38.00	− 4 35.2	2.046	2.866	13.3	22.8

163013 2001 TG_{230} 9 23.6 348°.57 5°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.42	−12 39.5	1.924	2.803	12.4	18.7
8 29	0 19.63	−13 29.8	1.859	2.796	9.4	18.5
9 8	0 13.97	−14 20.3	1.816	2.790	6.6	18.3
9 18	0 7.02	−15 4.5	1.799	2.784	5.2	18.2
9 28	23 59.62	−15 36.0	1.809	2.779	6.5	18.3
10 8	23 52.68	−15 50.1	1.844	2.774	9.3	18.5
10 18	23 47.01	−15 44.5	1.904	2.771	12.3	18.6
10 28	23 43.23	−15 19.3	1.984	2.768	15.0	18.8

67745 2000 UT_{39} 9 23.6 60°.07 0°.5/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.11	+ 4 48.0	1.548	2.400	16.3	19.2
8 29	0 21.92	+ 4 14.7	1.488	2.411	12.4	19.0
9 8	0 15.51	+ 3 24.7	1.449	2.422	8.0	18.8
9 18	0 7.60	+ 2 22.5	1.434	2.434	3.1	18.5
9 28	23 59.20	+ 1 15.1	1.445	2.445	2.0	18.5
10 8	23 51.46	+ 0 10.9	1.484	2.457	6.7	18.8
10 18	23 45.33	− 0 43.2	1.547	2.469	11.1	19.1
10 28	23 41.49	− 1 21.9	1.633	2.481	14.8	19.4

484189 2006 VO_{43} 9 23.6 300°.25 5°.9/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 29.25	−14 16.6	1.838	2.709	13.2	21.5
8 29	0 24.26	−14 59.6	1.758	2.690	10.3	21.2
9 8	0 17.05	−15 41.7	1.700	2.670	7.4	21.0
9 18	0 8.21	−16 15.9	1.669	2.650	5.9	20.9
9 28	23 58.69	−16 35.1	1.663	2.630	7.2	20.9
10 8	23 49.59	−16 34.7	1.684	2.611	10.2	21.1
10 18	23 41.92	−16 12.5	1.729	2.592	13.5	21.2
10 28	23 36.47	−15 29.1	1.795	2.573	16.5	21.4

378062 2006 TH_{93} 9 23.6 33°.80 0°.5/23.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 31.43	− 0 22.4	1.199	2.072	18.7	20.4
8 29	0 26.49	− 0 17.7	1.145	2.080	14.2	20.2
9 8	0 18.65	− 0 25.0	1.110	2.089	8.9	19.9
9 18	0 8.79	− 0 40.2	1.097	2.098	3.2	19.6
9 28	23 58.31	− 0 57.0	1.109	2.108	2.8	19.6
10 8	23 48.76	− 1 8.9	1.146	2.119	8.3	20.0
10 18	23 41.38	− 1 10.6	1.206	2.130	13.3	20.3
10 28	23 36.99	− 0 58.9	1.286	2.142	17.5	20.6

417357 2006 FD_{17} 9 23.6 169°.40 0°.5/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 31.16	+ 1 46.6	1.573	2.424	16.1	21.9
8 29	0 25.82	+ 1 16.4	1.503	2.427	12.2	21.6
9 8	0 18.05	+ 0 32.3	1.455	2.430	7.7	21.4
9 18	0 8.56	− 0 21.2	1.432	2.432	2.8	21.1
9 28	23 58.45	− 1 17.2	1.435	2.434	2.5	21.1
10 8	23 48.96	− 2 7.9	1.466	2.435	7.4	21.4
10 18	23 41.16	− 2 47.1	1.523	2.436	11.9	21.7
10 28	23 35.85	− 3 10.4	1.601	2.436	15.7	21.9

145222 2005 JY_{60} 9 23.6 5°.62 3°.0/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.67	+10 43.0	1.295	2.149	18.7	19.1
8 29	0 16.80	+10 20.2	1.231	2.149	14.8	18.8
9 8	0 12.54	+ 9 31.3	1.185	2.151	10.3	18.6
9 18	0 6.57	+ 8 19.4	1.161	2.154	5.5	18.3
9 28	23 59.98	+ 6 51.9	1.161	2.159	3.1	18.2
10 8	23 53.98	+ 5 19.5	1.185	2.165	6.9	18.5
10 18	23 49.65	+ 3 53.1	1.233	2.173	11.6	18.7
10 28	23 47.74	+ 2 42.1	1.302	2.182	15.8	19.0

476535 2008 GP_{143} 9 23.6 132°.23 2°.3/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.32	+ 9 25.7	1.829	2.647	15.6	21.8
8 29	0 24.08	+ 9 7.1	1.760	2.660	12.2	21.6
9 8	0 16.77	+ 8 30.6	1.713	2.672	8.3	21.4
9 18	0 8.05	+ 7 38.5	1.691	2.683	4.3	21.2
9 28	23 58.87	+ 6 36.0	1.696	2.694	2.5	21.1
10 8	23 50.26	+ 5 29.9	1.729	2.704	5.9	21.3
10 18	23 43.12	+ 4 27.5	1.790	2.713	9.7	21.6
10 28	23 38.12	+ 3 34.7	1.875	2.722	13.2	21.8

66170 1998 VJ_{30} 9 23.6 316°.53 6°.4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.15	−16 30.3	2.029	2.903	12.0	18.3
8 29	0 20.92	−17 32.3	1.960	2.891	9.4	18.1
9 8	0 14.80	−18 32.0	1.915	2.878	7.2	17.9
9 18	0 7.35	−19 22.3	1.896	2.866	6.4	17.9
9 28	23 59.40	−19 56.6	1.903	2.855	7.7	17.9
10 8	23 51.88	−20 10.3	1.935	2.843	10.2	18.1
10 18	23 45.62	−20 1.7	1.991	2.832	12.9	18.2
10 28	23 41.27	−19 31.3	2.068	2.821	15.4	18.4

487932 2015 TA_{210} 9 23.7 310°.45 0°.1/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.09	+ 1 21.3	2.069	2.913	13.1	20.7
8 29	0 22.33	+ 1 20.7	1.984	2.904	10.0	20.4
9 8	0 15.69	+ 1 11.1	1.921	2.894	6.4	20.2
9 18	0 7.69	+ 0 54.7	1.885	2.885	2.4	19.9
9 28	23 59.13	+ 0 35.4	1.877	2.876	1.8	19.9
10 8	23 50.91	+ 0 17.5	1.896	2.867	5.8	20.1
10 18	23 43.89	+ 0 5.0	1.943	2.859	9.6	20.4
10 28	23 38.73	+ 0 1.3	2.014	2.850	12.9	20.6

515256 2012 FB_{82} 9 23.7 172°.30 2°.8/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.74	− 8 36.5	2.812	3.667	9.7	21.8
8 29	0 20.73	− 9 11.9	2.742	3.669	7.2	21.6
9 8	0 14.38	− 9 49.1	2.697	3.671	4.7	21.5
9 18	0 7.13	−10 24.3	2.680	3.673	2.9	21.4
9 28	23 59.59	−10 53.6	2.693	3.674	3.7	21.4
10 8	23 52.39	−11 13.5	2.735	3.675	6.1	21.6
10 18	23 46.10	−11 21.9	2.805	3.676	8.6	21.8
10 28	23 41.20	−11 17.8	2.898	3.676	10.9	21.9

494461 2016 VF_{11} 9 23.7 343°.65 5°.3/19.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.65	− 7 39.8	1.035	1.946	17.9	20.4
8 29	0 18.22	− 8 23.7	0.968	1.925	13.6	20.0
9 8	0 13.84	− 9 16.0	0.919	1.905	8.9	19.7
9 18	0 7.17	−10 7.2	0.891	1.888	5.4	19.5
9 28	23 59.51	−10 46.2	0.884	1.873	7.2	19.5
10 8	23 52.43	−11 3.0	0.898	1.859	12.1	19.7
10 18	23 47.37	−10 52.6	0.932	1.848	17.1	20.0
10 28	23 45.36	−10 13.7	0.983	1.840	21.5	20.2

412643 2014 OH_{186} 9 23.7 96°.88 5°.5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 24.16	−15 37.1	2.449	3.318	10.5	21.0
8 29	0 19.69	−17 2.0	2.407	3.335	8.1	20.9
9 8	0 13.76	−18 24.3	2.391	3.353	6.1	20.8
9 18	0 6.90	−19 37.6	2.403	3.370	5.5	20.8
9 28	23 59.79	−20 36.3	2.442	3.387	6.7	20.9
10 8	23 53.14	−21 16.4	2.508	3.403	8.7	21.1
10 18	23 47.57	−21 36.4	2.599	3.420	10.9	21.2
10 28	23 43.55	−21 36.7	2.711	3.436	12.8	21.4

436393 2010 VA_{149} 9 23.7 293°.53 4°.2/15.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.37	−21 6.1	4.207	5.063	6.7	21.0
8 29	0 15.66	−21 48.6	4.144	5.057	5.4	20.9
9 8	0 11.08	−22 27.4	4.108	5.051	4.4	20.9
9 18	0 5.92	−22 59.6	4.099	5.046	4.3	20.9
9 28	0 0.55	−23 22.3	4.118	5.040	5.0	20.9
10 8	23 55.39	−23 33.6	4.165	5.034	6.2	21.0
10 18	23 50.81	−23 32.8	4.237	5.028	7.5	21.1
10 28	23 47.13	−23 19.6	4.331	5.022	8.8	21.2

219844 2002 CQ_{148} 9 23.7 323°.35 0°.5/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.03	+ 4 31.6	3.920	4.742	7.9	20.3
8 29	0 14.72	+ 4 11.7	3.831	4.737	6.0	20.2
9 8	0 10.52	+ 3 45.0	3.767	4.733	3.9	20.0
9 18	0 5.72	+ 3 13.2	3.731	4.729	1.6	19.8
9 28	0 0.70	+ 2 38.6	3.725	4.725	1.0	19.8
10 8	23 55.85	+ 2 3.8	3.749	4.721	3.2	20.0
10 18	23 51.54	+ 1 31.4	3.802	4.717	5.4	20.1
10 28	23 48.11	+ 1 3.9	3.882	4.713	7.3	20.2

316161 2009 UT_{76} 9 23.7 313°.63 0°.5/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.74	− 0 51.0	3.995	4.834	7.4	20.6
8 29	0 15.22	− 1 9.4	3.907	4.827	5.5	20.4
9 8	0 10.82	− 1 32.1	3.844	4.819	3.4	20.3
9 18	0 5.83	− 1 57.3	3.810	4.811	1.2	20.1
9 28	0 0.62	− 2 22.7	3.806	4.803	1.3	20.1
10 8	23 55.56	− 2 45.9	3.832	4.796	3.5	20.3
10 18	23 51.05	− 3 4.6	3.887	4.788	5.6	20.4
10 28	23 47.41	− 3 17.2	3.968	4.781	7.5	20.5

431725 2008 FH_{18} 9 23.7 247°.35 1°.6/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.88	+ 0 19.8	1.586	2.449	15.5	21.7
8 29	0 22.71	− 0 36.4	1.508	2.439	11.7	21.4
9 8	0 16.19	− 1 47.5	1.451	2.430	7.3	21.2
9 18	0 7.94	− 3 7.5	1.419	2.420	2.7	20.9
9 28	23 58.97	− 4 28.0	1.414	2.410	3.4	20.9
10 8	23 50.46	− 5 39.7	1.435	2.400	8.1	21.2
10 18	23 43.47	− 6 35.4	1.482	2.389	12.6	21.4
10 28	23 38.83	− 7 10.3	1.550	2.378	16.4	21.6

83470 2001 SF_{76} 9 23.7 163°.71 1°.5/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.01	+ 7 50.4	2.204	3.025	13.2	20.0
8 29	0 20.60	+ 7 25.1	2.125	3.028	10.2	19.8
9 8	0 14.51	+ 6 45.2	2.068	3.030	6.8	19.6
9 18	0 7.24	+ 5 53.3	2.038	3.033	3.3	19.4
9 28	23 59.54	+ 4 53.7	2.036	3.034	1.8	19.3
10 8	23 52.23	+ 3 52.2	2.062	3.036	5.1	19.5
10 18	23 46.03	+ 2 54.5	2.116	3.037	8.6	19.7
10 28	23 41.54	+ 2 5.8	2.196	3.038	11.7	19.9

474196 2000 AH_{221} 9 23.7 314°.95 2°.5/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.77	− 3 6.9	1.564	2.438	15.0	21.6
8 29	0 21.19	− 3 49.0	1.483	2.421	11.3	21.4
9 8	0 15.28	− 4 41.8	1.424	2.405	7.1	21.1
9 18	0 7.63	− 5 39.5	1.389	2.389	3.1	20.8
9 28	23 59.21	− 6 34.1	1.380	2.373	4.1	20.8
10 8	23 51.21	− 7 18.0	1.396	2.358	8.6	21.1
10 18	23 44.69	− 7 45.1	1.437	2.343	13.0	21.3
10 28	23 40.50	− 7 52.3	1.499	2.329	16.8	21.5

404580 2013 KU_{10} 9 23.7 143°.76 4°.1/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.55	−13 6.6	2.731	3.592	9.8	21.3
8 29	0 20.60	−13 58.8	2.673	3.601	7.4	21.2
9 8	0 14.30	−14 50.4	2.641	3.609	5.2	21.0
9 18	0 7.12	−15 36.4	2.636	3.616	4.1	21.0
9 28	23 59.67	−16 12.5	2.661	3.624	5.1	21.0
10 8	23 52.61	−16 35.3	2.713	3.631	7.2	21.2
10 18	23 46.51	−16 43.0	2.792	3.638	9.5	21.4
10 28	23 41.86	−16 35.4	2.894	3.644	11.5	21.5

21888 Ďurech 9 23.7 358°.71 0°.8/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.96	+ 3 36.7	2.132	2.967	13.0	17.9
8 29	0 22.12	+ 3 36.5	2.053	2.967	10.0	17.7
9 8	0 15.50	+ 3 25.8	1.997	2.966	6.5	17.5
9 18	0 7.62	+ 3 6.7	1.968	2.966	2.7	17.2
9 28	23 59.27	+ 2 42.9	1.967	2.966	1.6	17.1
10 8	23 51.31	+ 2 18.6	1.994	2.966	5.4	17.4
10 18	23 44.53	+ 1 58.1	2.048	2.967	9.0	17.6
10 28	23 39.56	+ 1 45.2	2.127	2.967	12.1	17.8

208942 2002 VT_{59} 9 23.7 357°.75 0°.6/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 23.81	+ 1 36.8	1.606	2.469	15.2	20.0
8 29	0 20.25	+ 1 1.3	1.536	2.468	11.5	19.8
9 8	0 14.54	+ 0 12.0	1.488	2.466	7.2	19.6
9 18	0 7.31	− 0 46.4	1.464	2.465	2.6	19.3
9 28	23 59.51	− 1 46.9	1.466	2.465	2.5	19.3
10 8	23 52.22	− 2 41.7	1.495	2.465	7.1	19.6
10 18	23 46.40	− 3 24.6	1.549	2.466	11.4	19.8
10 28	23 42.76	− 3 51.1	1.624	2.467	15.1	20.1

214885 2007 RB_{265} 9 23.7 266°.04 1°.3/24.9 18

8 19	0 28.20	+ 5 30.2	2.009	2.839	13.9	21.4
8 29	0 23.38	+ 5 25.3	1.911	2.821	10.9	21.1
9 8	0 16.49	+ 5 7.1	1.836	2.801	7.2	20.9
9 18	0 8.06	+ 4 37.4	1.785	2.782	3.3	20.6
9 28	23 58.89	+ 3 59.9	1.763	2.762	1.9	20.5
10 8	23 49.97	+ 3 19.9	1.769	2.742	5.9	20.7
10 18	23 42.24	+ 2 43.0	1.802	2.722	9.9	20.9
10 28	23 36.49	+ 2 14.3	1.859	2.701	13.5	21.1

182887 2002 CU_{292} 9 23.7 113°.77 0°.2/23.8 18

8 19	0 24.47	+ 3 25.9	2.285	3.122	12.2	20.6
8 29	0 20.08	+ 2 54.0	2.214	3.130	9.3	20.4
9 8	0 14.11	+ 2 11.1	2.166	3.138	5.9	20.2
9 18	0 7.09	+ 1 20.6	2.145	3.145	2.2	20.0
9 28	23 59.70	+ 0 27.2	2.153	3.153	1.6	20.0
10 8	23 52.73	− 0 23.9	2.190	3.160	5.2	20.2
10 18	23 46.82	− 1 8.0	2.254	3.167	8.6	20.5
10 28	23 42.54	− 1 41.4	2.343	3.174	11.5	20.7

54367 2000 KL_{48} 9 23.7 89°.90 4°.0/27.8 18

8 19	0 26.61	+14 59.5	1.667	2.472	17.4	19.2
8 29	0 22.22	+14 33.0	1.604	2.489	14.0	19.0
9 8	0 15.68	+13 42.0	1.560	2.506	10.1	18.8
9 18	0 7.70	+12 28.4	1.540	2.522	6.2	18.6
9 28	23 59.27	+10 58.1	1.546	2.539	4.0	18.5
10 8	23 51.49	+ 9 20.2	1.580	2.555	6.2	18.7
10 18	23 45.28	+ 7 44.0	1.640	2.571	9.9	19.0
10 28	23 41.29	+ 6 18.3	1.724	2.586	13.4	19.2

141916 2002 PF_{82} 9 23.7 22°.48 1°.0/22.9 18

8 19	0 21.88	+ 1 48.8	0.892	1.792	21.1	18.9
8 29	0 19.79	+ 1 10.8	0.854	1.805	15.8	18.6
9 8	0 14.61	+ 0 12.5	0.834	1.819	9.8	18.3
9 18	0 7.36	− 0 57.6	0.834	1.836	3.4	18.1
9 28	23 59.58	− 2 7.4	0.855	1.854	3.4	18.1
10 8	23 52.88	− 3 5.3	0.898	1.874	9.4	18.6
10 18	23 48.49	− 3 43.0	0.961	1.895	14.8	18.9
10 28	23 47.13	− 3 56.5	1.043	1.918	19.2	19.3

176795 2002 SU_{49} 9 23.7 72°.14 2°.3/21.7 17

8 19	0 26.68	− 0 42.2	1.395	2.268	16.6	19.7
8 29	0 22.54	− 1 50.8	1.342	2.280	12.3	19.5
9 8	0 15.99	− 3 12.9	1.311	2.292	7.6	19.2
9 18	0 7.83	− 4 40.7	1.303	2.304	3.0	19.0
9 28	23 59.19	− 6 3.9	1.322	2.316	4.1	19.1
10 8	23 51.31	− 7 13.2	1.366	2.329	8.7	19.4
10 18	23 45.20	− 8 2.3	1.435	2.341	13.0	19.7
10 28	23 41.57	− 8 28.2	1.524	2.353	16.6	20.0

436999 2012 TV_{220} 9 23.7 76°.90 3°.1/21.5 17

8 19	0 33.94	− 7 0.6	1.608	2.472	15.2	21.2
8 29	0 27.66	− 7 15.0	1.554	2.486	11.4	21.0
9 8	0 19.04	− 7 32.8	1.523	2.500	7.2	20.8
9 18	0 8.91	− 7 48.8	1.516	2.514	3.5	20.6
9 28	23 58.39	− 7 57.5	1.538	2.528	4.4	20.7
10 8	23 48.70	− 7 54.4	1.586	2.542	8.3	21.0
10 18	23 40.81	− 7 37.7	1.660	2.556	12.1	21.3
10 28	23 35.40	− 7 6.7	1.756	2.570	15.4	21.5

265614 2005 SL_{79} 9 23.7 49°.55 1°.7/22.4 16

8 19	0 29.13	− 1 11.9	1.281	2.156	17.6	20.7
8 29	0 24.49	− 1 42.6	1.234	2.171	13.2	20.5
9 8	0 17.25	− 2 25.1	1.207	2.188	8.1	20.3
9 18	0 8.29	− 3 13.0	1.203	2.205	3.0	20.0
9 28	23 58.89	− 3 58.2	1.225	2.222	3.5	20.1
10 8	23 50.41	− 4 33.0	1.271	2.239	8.4	20.5
10 18	23 43.91	− 4 52.4	1.342	2.257	13.0	20.8
10 28	23 40.11	− 4 53.7	1.432	2.275	16.8	21.1

251838 1999 TV_{246} 9 23.7 242°.67 0°.6/24.3 18

8 19	0 26.64	+ 3 29.1	2.314	3.146	12.3	20.6
8 29	0 21.80	+ 3 22.2	2.228	3.141	9.4	20.4
9 8	0 15.28	+ 3 5.1	2.166	3.135	6.1	20.2
9 18	0 7.56	+ 2 40.3	2.130	3.129	2.5	20.0
9 28	23 59.37	+ 2 11.1	2.123	3.123	1.5	19.9
10 8	23 51.49	+ 1 41.8	2.145	3.116	5.2	20.2
10 18	23 44.68	+ 1 16.7	2.194	3.110	8.6	20.4
10 28	23 39.54	+ 0 59.3	2.269	3.103	11.7	20.5

169924 2002 SR_{26} 9 23.7 26°.29 0°.1/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.89	+ 1 30.2	1.709	2.562	15.0	19.8
8 29	0 23.18	+ 1 21.2	1.640	2.565	11.4	19.6
9 8	0 16.33	+ 1 0.8	1.593	2.568	7.2	19.4
9 18	0 7.97	+ 0 32.5	1.570	2.571	2.7	19.1
9 28	23 59.08	+ 0 1.2	1.575	2.574	2.0	19.1
10 8	23 50.74	− 0 27.2	1.607	2.578	6.6	19.4
10 18	23 43.88	− 0 47.8	1.664	2.582	10.7	19.6
10 28	23 39.22	− 0 56.9	1.744	2.586	14.3	19.9

405262 2003 SK_{288} 9 23.7 335°.53 1°.8/21.7 16

8 19	0 21.65	− 1 38.8	1.957	2.822	12.8	21.0
8 29	0 18.32	− 2 30.0	1.880	2.813	9.6	20.7
9 8	0 13.21	− 3 31.2	1.826	2.805	5.9	20.5
9 18	0 6.83	− 4 37.3	1.797	2.798	2.4	20.3
9 28	23 59.95	− 5 41.6	1.797	2.791	3.2	20.3
10 8	23 53.44	− 6 37.7	1.823	2.784	7.0	20.5
10 18	23 48.09	− 7 20.3	1.876	2.778	10.6	20.8
10 28	23 44.53	− 7 45.9	1.951	2.772	13.8	21.0

211745 2003 YO_{153} 9 23.7 248°.65 8°.1/14.2 18

8 19	0 29.31	−22 50.5	2.177	3.038	11.9	20.7
8 29	0 24.03	−24 7.9	2.111	3.023	9.9	20.6
9 8	0 16.78	−25 18.8	2.069	3.008	8.4	20.5
9 18	0 8.13	−26 15.3	2.053	2.993	8.2	20.4
9 28	23 58.96	−26 50.7	2.062	2.977	9.5	20.5
10 8	23 50.22	−27 0.9	2.097	2.961	11.6	20.6
10 18	23 42.79	−26 45.2	2.154	2.944	13.8	20.7
10 28	23 37.34	−26 5.4	2.231	2.927	15.9	20.8

345016 2005 EP_{4} 9 23.7 284°.30 0°.9/24.5 18

8 19	0 26.88	+ 4 37.9	1.792	2.634	14.9	21.3
8 29	0 22.61	+ 4 25.3	1.698	2.615	11.5	21.0
9 8	0 16.13	+ 3 58.1	1.626	2.596	7.6	20.8
9 18	0 7.98	+ 3 18.7	1.578	2.577	3.2	20.5
9 28	23 59.04	+ 2 31.8	1.558	2.558	1.9	20.3
10 8	23 50.38	+ 1 43.9	1.565	2.538	6.5	20.6
10 18	23 43.04	+ 1 1.3	1.598	2.519	10.8	20.8
10 28	23 37.85	+ 0 29.7	1.654	2.500	14.7	21.0

294174 2007 TC_{388} 9 23.7 53°.61 0°.4/23.3 18

8 19	0 24.72	+ 2 47.8	1.704	2.559	14.9	21.0
8 29	0 20.78	+ 2 2.3	1.638	2.564	11.3	20.8
9 8	0 14.80	+ 1 2.3	1.594	2.570	7.1	20.6
9 18	0 7.42	− 0 7.1	1.575	2.576	2.5	20.3
9 28	23 59.55	− 1 18.9	1.583	2.582	2.2	20.3
10 8	23 52.23	− 2 25.2	1.618	2.588	6.7	20.6
10 18	23 46.32	− 3 19.5	1.679	2.595	10.8	20.9
10 28	23 42.51	− 3 57.3	1.763	2.601	14.3	21.1

306180 2011 AL_{67} 9 23.7 193°.78 0°.2/23.9 17

8 19	0 28.78	+ 3 46.2	1.822	2.663	14.7	21.9
8 29	0 23.82	+ 3 15.6	1.744	2.661	11.2	21.6
9 8	0 16.74	+ 2 30.6	1.688	2.659	7.2	21.4
9 18	0 8.15	+ 1 35.0	1.657	2.657	2.7	21.1
9 28	23 58.97	+ 0 34.7	1.654	2.654	1.9	21.0
10 8	23 50.25	− 0 23.3	1.680	2.651	6.4	21.3
10 18	23 42.94	− 1 12.8	1.732	2.647	10.6	21.6
10 28	23 37.75	− 1 48.8	1.807	2.642	14.2	21.8

99106 2001 FA_{54} 9 23.7 180°.45 4°.4/19.5 18

8 19	0 30.67	−11 36.3	2.138	2.998	12.1	19.6
8 29	0 24.86	−12 15.3	2.071	2.999	9.2	19.4
9 8	0 17.19	−12 54.6	2.028	3.000	6.2	19.2
9 18	0 8.26	−13 28.5	2.013	3.000	4.4	19.1
9 28	23 58.92	−13 51.7	2.025	2.999	5.5	19.2
10 8	23 50.08	−14 0.1	2.066	2.999	8.3	19.3
10 18	23 42.56	−13 52.1	2.133	2.998	11.2	19.5
10 28	23 36.96	−13 27.4	2.222	2.996	13.9	19.7

223319 2003 QN_{18} 9 23.7 2°.49 2°.1/21.6 18

8 19	0 22.03	− 2 34.1	1.688	2.562	14.1	19.5
8 29	0 18.80	− 3 17.4	1.623	2.561	10.5	19.3
9 8	0 13.58	− 4 10.0	1.580	2.561	6.5	19.0
9 18	0 6.98	− 5 6.5	1.562	2.562	2.7	18.8
9 28	23 59.89	− 5 59.7	1.570	2.564	3.6	18.9
10 8	23 53.30	− 6 42.8	1.604	2.566	7.6	19.1
10 18	23 48.07	− 7 11.1	1.663	2.570	11.5	19.4
10 28	23 44.87	− 7 21.7	1.744	2.574	14.8	19.6

392019 2009 AR_{46} 9 23.7 157°.29 0°.0/23.7 18

8 19	0 25.93	+ 3 16.1	2.176	3.013	12.7	21.8
8 29	0 21.29	+ 2 39.9	2.101	3.018	9.7	21.6
9 8	0 14.95	+ 1 51.9	2.050	3.022	6.1	21.4
9 18	0 7.45	+ 0 55.8	2.026	3.026	2.3	21.2
9 28	23 59.54	− 0 3.3	2.030	3.030	1.7	21.2
10 8	23 52.04	− 0 59.5	2.064	3.033	5.6	21.4
10 18	23 45.68	− 1 47.8	2.124	3.036	9.1	21.7
10 28	23 41.07	− 2 24.1	2.210	3.038	12.1	21.9

262924 2007 DH_4 9 23.7 281°.65 0°.3/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 22.21	+ 3 21.6	2.146	2.991	12.6	21.0
8 29	0 18.64	+ 2 27.0	2.058	2.979	9.6	20.8
9 8	0 13.39	+ 1 18.6	1.994	2.968	6.0	20.5
9 18	0 6.92	+ 0 0.7	1.956	2.957	2.2	20.3
9 28	23 59.94	− 1 20.8	1.947	2.945	1.9	20.2
10 8	23 53.27	− 2 38.9	1.966	2.934	5.9	20.5
10 18	23 47.64	− 3 47.3	2.012	2.923	9.6	20.7
10 28	23 43.70	− 4 41.1	2.083	2.911	12.8	20.9

80811 2000 CN_{116} 9 23.7 104°.58 2°.3/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.46	− 2 55.8	1.681	2.541	14.8	20.1
8 29	0 24.96	− 3 43.0	1.628	2.559	11.0	19.9
9 8	0 17.34	− 4 38.6	1.598	2.576	6.8	19.7
9 18	0 8.32	− 5 36.4	1.593	2.593	2.9	19.5
9 28	23 58.95	− 6 29.2	1.617	2.610	3.7	19.6
10 8	23 50.30	− 7 10.7	1.667	2.626	7.7	19.9
10 18	23 43.27	− 7 36.5	1.743	2.641	11.5	20.1
10 28	23 38.50	− 7 44.8	1.842	2.656	14.8	20.4

316550 2010 XE_{81} 9 23.7 255°.77 4°.8/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.52	+28 32.1	4.635	5.290	8.9	20.5
8 29	0 15.85	+28 49.8	4.532	5.285	7.9	20.4
9 8	0 11.28	+28 55.1	4.450	5.281	6.7	20.3
9 18	0 6.08	+28 47.5	4.391	5.276	5.7	20.2
9 28	0 0.62	+28 27.3	4.358	5.271	4.9	20.1
10 8	23 55.29	+27 55.9	4.352	5.267	4.8	20.1
10 18	23 50.48	+27 15.6	4.373	5.262	5.4	20.2
10 28	23 46.54	+26 29.4	4.422	5.257	6.4	20.2

389732 2011 SP_{102} 9 23.7 82°.82 1°.9/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.85	+ 8 18.3	1.842	2.671	15.1	21.5
8 29	0 21.53	+ 7 58.7	1.772	2.678	11.7	21.3
9 8	0 15.24	+ 7 22.0	1.723	2.686	7.9	21.1
9 18	0 7.60	+ 6 31.0	1.699	2.693	3.9	20.9
9 28	23 59.49	+ 5 30.8	1.702	2.701	2.2	20.8
10 8	23 51.88	+ 4 28.1	1.733	2.709	5.7	21.0
10 18	23 45.63	+ 3 29.7	1.791	2.716	9.6	21.3
10 28	23 41.39	+ 2 41.4	1.872	2.724	13.0	21.5

444730 2007 GT_{10} 9 23.7 180°.05 2°.8/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.05	− 8 56.9	2.742	3.592	10.1	21.4
8 29	0 23.27	− 9 19.5	2.669	3.593	7.5	21.3
9 8	0 16.04	− 9 43.4	2.620	3.593	4.9	21.1
9 18	0 7.85	−10 4.9	2.601	3.594	2.9	21.0
9 28	23 59.33	−10 20.5	2.611	3.593	3.7	21.0
10 8	23 51.17	−10 26.9	2.651	3.593	6.2	21.2
10 18	23 44.01	−10 22.4	2.718	3.592	8.8	21.3
10 28	23 38.35	−10 6.2	2.811	3.591	11.1	21.5

225722 2001 RR_{86} 9 23.7 309°.60 0°.9/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.19	+ 4 11.5	1.412	2.271	17.2	19.9
8 29	0 22.65	+ 4 4.0	1.325	2.251	13.4	19.6
9 8	0 16.46	+ 3 39.4	1.258	2.232	8.8	19.3
9 18	0 8.21	+ 3 0.3	1.214	2.213	3.6	19.0
9 28	23 58.97	+ 2 12.4	1.194	2.194	2.2	18.8
10 8	23 50.08	+ 1 23.6	1.200	2.176	7.6	19.1
10 18	23 42.82	+ 0 41.9	1.230	2.159	12.7	19.4
10 28	23 38.20	+ 0 14.1	1.281	2.142	17.2	19.6

211797 2004 CR_{104} 9 23.7 214°.63 0°.1/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.97	+ 4 4.4	2.158	2.997	12.8	20.3
8 29	0 19.92	+ 3 13.8	2.076	2.993	9.7	20.1
9 8	0 14.17	+ 2 9.6	2.017	2.989	6.2	19.9
9 18	0 7.22	+ 0 55.8	1.985	2.985	2.3	19.6
9 28	23 59.80	− 0 21.8	1.981	2.980	1.8	19.6
10 8	23 52.74	− 1 36.5	2.007	2.976	5.7	19.8
10 18	23 46.77	− 2 42.2	2.059	2.971	9.3	20.1
10 28	23 42.50	− 3 34.2	2.136	2.965	12.5	20.3

323616 2004 VO_{19} 9 23.7 327°.59 5°.2/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.96	+18 19.3	2.057	2.836	15.4	20.1
8 29	0 18.65	+18 18.4	1.966	2.828	12.8	19.9
9 8	0 13.50	+17 55.6	1.895	2.819	9.9	19.7
9 18	0 7.01	+17 10.5	1.846	2.812	7.0	19.5
9 28	23 59.95	+16 5.6	1.824	2.804	5.2	19.4
10 8	23 53.20	+14 46.6	1.828	2.797	6.2	19.4
10 18	23 47.60	+13 20.8	1.859	2.790	8.9	19.6
10 28	23 43.83	+11 56.5	1.915	2.784	12.0	19.8

294389 2007 VP_{153} 9 23.7 79°.19 2°.6/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.59	+10 9.7	1.825	2.647	15.4	21.0
8 29	0 21.39	+ 9 53.3	1.753	2.653	12.2	20.8
9 8	0 15.20	+ 9 18.4	1.701	2.659	8.4	20.6
9 18	0 7.61	+ 8 27.1	1.674	2.665	4.5	20.3
9 28	23 59.53	+ 7 24.2	1.674	2.671	2.7	20.2
10 8	23 51.93	+ 6 16.6	1.701	2.677	5.8	20.5
10 18	23 45.70	+ 5 11.6	1.755	2.683	9.6	20.7
10 28	23 41.50	+ 4 15.6	1.833	2.689	13.1	20.9

244960 2003 YW_{148} 9 23.7 300°.59 4°.0/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 26.31	−11 34.9	2.374	3.238	10.9	19.9
8 29	0 21.50	−12 9.4	2.300	3.230	8.3	19.7
9 8	0 15.08	−12 44.1	2.251	3.223	5.6	19.6
9 18	0 7.54	−13 14.4	2.229	3.216	4.0	19.4
9 28	23 59.60	−13 35.5	2.235	3.209	5.0	19.5
10 8	23 52.03	−13 43.8	2.269	3.202	7.6	19.7
10 18	23 45.54	−13 37.2	2.328	3.195	10.3	19.8
10 28	23 40.69	−13 15.3	2.411	3.188	12.8	20.0

19667 1999 RS_{144} 9 23.7 91°.37 4°.4/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.11	+15 48.3	2.204	2.987	14.4	18.2
8 29	0 20.79	+15 53.3	2.125	2.992	11.8	18.0
9 8	0 14.72	+15 40.0	2.066	2.997	8.8	17.9
9 18	0 7.43	+15 8.5	2.031	3.002	6.0	17.7
9 28	23 59.68	+14 21.5	2.023	3.007	4.4	17.6
10 8	23 52.32	+13 23.8	2.043	3.013	5.6	17.7
10 18	23 46.10	+12 21.4	2.091	3.018	8.3	17.9
10 28	23 41.63	+11 21.0	2.164	3.023	11.2	18.1

199440 2006 DU_{31} 9 23.7 86°.58 0°.2/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.36	+ 2 57.4	2.384	3.221	11.8	20.9
8 29	0 19.99	+ 2 36.2	2.310	3.226	8.9	20.8
9 8	0 14.10	+ 2 5.2	2.259	3.230	5.7	20.6
9 18	0 7.18	+ 1 27.2	2.235	3.235	2.2	20.3
9 28	23 59.89	+ 0 46.3	2.240	3.240	1.5	20.3
10 8	23 52.97	+ 0 7.0	2.274	3.245	5.0	20.6
10 18	23 47.07	− 0 26.5	2.335	3.249	8.3	20.8
10 28	23 42.72	− 0 50.8	2.422	3.254	11.1	21.0

394580 2007 VS_{70} 9 23.7 295°.52 3°.3/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.75	− 6 15.1	1.777	2.647	13.7	21.0
8 29	0 22.40	− 6 58.9	1.701	2.637	10.3	20.8
9 8	0 15.93	− 7 48.9	1.648	2.627	6.6	20.6
9 18	0 7.93	− 8 39.3	1.620	2.617	3.5	20.4
9 28	23 59.32	− 9 23.0	1.619	2.606	4.7	20.4
10 8	23 51.15	− 9 53.9	1.645	2.597	8.4	20.6
10 18	23 44.37	−10 7.8	1.695	2.587	12.2	20.8
10 28	23 39.70	−10 3.0	1.767	2.577	15.5	21.0

331755 2002 VY_{144} 9 23.7 7°.22 0°.2/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.37	+ 3 9.7	1.025	1.913	20.0	20.4
8 29	0 20.13	+ 2 51.0	0.970	1.913	15.3	20.1
9 8	0 14.95	+ 2 11.9	0.933	1.915	9.8	19.8
9 18	0 7.64	+ 1 17.7	0.917	1.918	3.7	19.5
9 28	23 59.58	+ 0 17.6	0.923	1.923	2.6	19.4
10 8	23 52.33	− 0 37.5	0.951	1.929	8.7	19.8
10 18	23 47.18	− 1 18.5	1.001	1.937	14.1	20.1
10 28	23 45.02	− 1 39.5	1.070	1.946	18.7	20.4

325835 2010 SK_{37} 9 23.7 295°.75 3°.0/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.51	+10 52.3	1.361	2.202	18.7	20.7
8 29	0 21.41	+10 27.7	1.278	2.190	14.9	20.5
9 8	0 15.69	+ 9 36.3	1.215	2.178	10.4	20.2
9 18	0 7.95	+ 8 20.1	1.173	2.166	5.5	19.9
9 28	23 59.29	+ 6 45.5	1.156	2.154	3.1	19.7
10 8	23 51.07	+ 5 3.4	1.164	2.142	7.3	19.9
10 18	23 44.55	+ 3 25.5	1.196	2.131	12.4	20.2
10 28	23 40.69	+ 2 2.8	1.250	2.120	17.0	20.4

50320 2000 CT_{50} 9 23.7 108°.70 2°.5/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.35	+ 9 42.8	2.122	2.931	14.0	19.4
8 29	0 23.14	+ 9 39.5	2.054	2.947	11.0	19.2
9 8	0 16.15	+ 9 21.1	2.008	2.962	7.6	19.0
9 18	0 7.96	+ 8 49.2	1.987	2.976	4.2	18.8
9 28	23 59.39	+ 8 7.5	1.994	2.990	2.6	18.8
10 8	23 51.31	+ 7 21.0	2.031	3.004	5.2	19.0
10 18	23 44.48	+ 6 35.3	2.095	3.018	8.5	19.2
10 28	23 39.51	+ 5 55.4	2.184	3.031	11.6	19.4

385461 2003 SY_{379} 9 23.7 165°.38 0°.5/23.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.14	+ 3 23.7	2.223	3.060	12.5	21.9
8 29	0 20.70	+ 2 17.9	2.147	3.065	9.4	21.7
9 8	0 14.61	+ 0 59.0	2.096	3.069	5.9	21.5
9 18	0 7.40	− 0 28.2	2.072	3.073	2.1	21.3
9 28	23 59.79	− 1 57.4	2.078	3.076	2.0	21.3
10 8	23 52.58	− 3 21.4	2.113	3.079	5.8	21.5
10 18	23 46.46	− 4 34.4	2.176	3.081	9.3	21.7
10 28	23 42.03	− 5 32.0	2.264	3.082	12.3	22.0

359330 2009 OO_6 9 23.7 39°.05 3°.4/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.28	− 4 8.9	1.677	2.554	14.0	20.1
8 29	0 18.86	− 5 35.5	1.632	2.572	10.3	19.9
9 8	0 13.55	− 7 10.0	1.609	2.591	6.4	19.7
9 18	0 7.00	− 8 44.2	1.613	2.610	3.5	19.6
9 28	0 0.13	−10 9.2	1.644	2.630	4.9	19.7
10 8	23 53.87	−11 17.4	1.701	2.650	8.4	20.0
10 18	23 49.02	−12 4.5	1.783	2.671	11.9	20.2
10 28	23 46.13	−12 28.8	1.886	2.692	14.8	20.5

385328 2002 CF_{188} 9 23.7 251°.25 5°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 24.56	− 9 53.3	1.721	2.601	13.6	20.8
8 29	0 20.80	−11 42.6	1.656	2.595	10.2	20.6
9 8	0 14.94	−13 37.7	1.615	2.590	7.1	20.4
9 18	0 7.59	−15 28.6	1.600	2.584	5.7	20.3
9 28	23 59.65	−17 4.9	1.612	2.578	7.5	20.4
10 8	23 52.19	−18 18.4	1.651	2.572	10.7	20.6
10 18	23 46.12	−19 4.6	1.712	2.566	14.1	20.8
10 28	23 42.18	−19 22.6	1.794	2.560	17.0	21.0

62788 2000 UW_{25} 9 23.7 247°.15 5°.6/18.3 18

8 19	0 28.64	−12 30.5	1.866	2.738	13.1	19.5
8 29	0 23.76	−13 34.9	1.795	2.728	10.0	19.3
9 8	0 16.76	−14 40.6	1.747	2.718	7.1	19.1
9 18	0 8.25	−15 40.1	1.724	2.707	5.6	19.0
9 28	23 59.16	−16 25.8	1.729	2.696	7.0	19.1
10 8	23 50.52	−16 52.0	1.760	2.685	10.0	19.2
10 18	23 43.29	−16 56.0	1.815	2.674	13.2	19.4
10 28	23 38.17	−16 37.7	1.891	2.662	16.1	19.6

335056 2004 RR_{150} 9 23.7 333°.59 2°.8/25.9 18

8 19	0 23.98	+ 8 54.5	1.392	2.240	18.0	20.4
8 29	0 20.91	+ 8 50.8	1.313	2.229	14.3	20.1
9 8	0 15.31	+ 8 25.4	1.254	2.220	9.9	19.9
9 18	0 7.81	+ 7 39.9	1.217	2.211	5.2	19.6
9 28	23 59.46	+ 6 39.3	1.204	2.202	3.0	19.4
10 8	23 51.59	+ 5 32.3	1.216	2.195	7.1	19.7
10 18	23 45.36	+ 4 28.2	1.253	2.188	11.9	19.9
10 28	23 41.69	+ 3 35.4	1.310	2.182	16.2	20.2

227817 2007 BF_{69} 9 23.7 191°.93 1°.3/22.5 18

8 19	0 27.88	+ 0 4.2	1.891	2.742	13.8	21.4
8 29	0 23.08	− 0 43.6	1.815	2.741	10.4	21.1
9 8	0 16.28	− 1 42.9	1.763	2.739	6.5	20.9
9 18	0 8.06	− 2 48.7	1.736	2.737	2.4	20.6
9 28	23 59.31	− 3 54.4	1.738	2.735	2.8	20.7
10 8	23 51.01	− 4 52.8	1.768	2.732	6.9	20.9
10 18	23 44.04	− 5 38.6	1.825	2.728	10.8	21.2
10 28	23 39.09	− 6 7.9	1.904	2.724	14.2	21.4

329734 2003 YC_{22} 9 23.7 290°.93 6°.2/18.9 18

8 19	0 29.57	−11 6.6	1.386	2.270	16.0	20.6
8 29	0 25.19	−12 8.5	1.314	2.255	12.3	20.3
9 8	0 18.04	−13 14.3	1.263	2.240	8.5	20.0
9 18	0 8.82	−14 14.4	1.236	2.225	6.3	19.9
9 28	23 58.72	−14 58.8	1.234	2.209	7.9	19.9
10 8	23 49.18	−15 19.7	1.255	2.194	11.8	20.1
10 18	23 41.47	−15 13.5	1.299	2.180	15.9	20.3
10 28	23 36.53	−14 40.6	1.362	2.165	19.6	20.5

183009 2002 PZ_{83} 9 23.7 38°.94 0°.1/23.8 18

8 19	0 29.04	+ 2 8.8	1.129	2.004	19.5	19.6
8 29	0 24.78	+ 1 58.0	1.083	2.018	14.8	19.3
9 8	0 17.65	+ 1 30.6	1.055	2.034	9.3	19.1
9 18	0 8.59	+ 0 51.6	1.049	2.050	3.5	18.8
9 28	23 59.01	+ 0 9.1	1.067	2.067	2.5	18.8
10 8	23 50.42	− 0 28.4	1.109	2.084	8.2	19.2
10 18	23 44.02	− 0 54.1	1.174	2.103	13.2	19.5
10 28	23 40.55	− 1 3.5	1.259	2.121	17.4	19.8

459435 2012 TE_{77} 9 23.7 114°.96 0°.7/24.8 18

8 19	0 21.06	+ 5 8.2	3.135	3.957	9.6	21.8
8 29	0 17.23	+ 4 47.3	3.052	3.958	7.4	21.6
9 8	0 12.27	+ 4 17.6	2.994	3.959	4.8	21.5
9 18	0 6.53	+ 3 41.3	2.963	3.960	2.1	21.3
9 28	0 0.51	+ 3 1.1	2.962	3.961	1.2	21.2
10 8	23 54.73	+ 2 20.7	2.990	3.962	3.8	21.4
10 18	23 49.68	+ 1 43.3	3.047	3.963	6.5	21.6
10 28	23 45.77	+ 1 12.1	3.131	3.964	8.8	21.8

355546 2008 BO_{21} 9 23.7 102°.29 0°.2/23.9 18

8 19	0 26.59	+ 3 27.0	2.396	3.226	11.9	21.5
8 29	0 21.55	+ 2 59.0	2.335	3.247	9.0	21.3
9 8	0 15.03	+ 2 20.9	2.298	3.267	5.7	21.1
9 18	0 7.54	+ 1 36.1	2.288	3.287	2.2	20.9
9 28	23 59.79	+ 0 48.7	2.307	3.307	1.5	20.9
10 8	23 52.50	+ 0 3.6	2.356	3.326	4.9	21.2
10 18	23 46.30	− 0 35.1	2.433	3.344	8.1	21.4
10 28	23 41.69	− 1 4.1	2.535	3.363	10.8	21.6

513840 2013 GY_{4} 9 23.7 144°.25 0°.3/23.2 18

8 19	0 23.74	+ 2 36.4	2.806	3.638	10.4	23.1
8 29	0 19.29	+ 1 44.2	2.734	3.649	7.8	22.9
9 8	0 13.57	+ 0 42.9	2.687	3.659	4.9	22.8
9 18	0 7.01	− 0 24.1	2.669	3.669	1.7	22.6
9 28	0 0.17	− 1 32.2	2.680	3.679	1.6	22.6
10 8	23 53.66	− 2 36.5	2.722	3.688	4.7	22.8
10 18	23 48.02	− 3 33.1	2.793	3.696	7.5	23.0
10 28	23 43.70	− 4 18.5	2.890	3.704	10.0	23.2

401019 2011 SC_{35} 9 23.7 49°.74 0°.1/23.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 24.67	+ 3 43.6	1.813	2.661	14.4	21.5
8 29	0 20.70	+ 3 5.0	1.744	2.666	11.0	21.3
9 8	0 14.79	+ 2 12.1	1.696	2.670	7.0	21.1
9 18	0 7.53	+ 1 9.1	1.674	2.674	2.6	20.8
9 28	23 59.79	+ 0 2.5	1.679	2.679	1.9	20.8
10 8	23 52.54	− 1 0.7	1.712	2.683	6.2	21.1
10 18	23 46.62	− 1 54.2	1.771	2.688	10.2	21.3
10 28	23 42.69	− 2 33.3	1.853	2.693	13.6	21.6

366133 2012 DT_{67} 9 23.7 71°.49 1°.7/25.0 17

8 19	0 30.78	+ 6 25.2	1.319	2.168	18.7	20.6
8 29	0 25.81	+ 6 15.4	1.266	2.185	14.5	20.4
9 8	0 18.19	+ 5 46.2	1.232	2.202	9.5	20.2
9 18	0 8.79	+ 5 1.0	1.222	2.219	4.3	19.9
9 28	23 58.89	+ 4 6.5	1.236	2.236	2.4	19.9
10 8	23 49.86	+ 3 11.5	1.277	2.253	7.2	20.2
10 18	23 42.82	+ 2 23.8	1.342	2.270	11.9	20.5
10 28	23 38.52	+ 1 49.7	1.428	2.287	15.9	20.8

48017 2001 CW_{16} 9 23.7 329°.75 4°.6/19.9 18

8 19	0 24.19	− 7 8.0	1.374	2.263	15.8	18.7
8 29	0 21.07	− 8 5.6	1.302	2.248	11.9	18.5
9 8	0 15.41	− 9 11.3	1.252	2.233	7.7	18.2
9 18	0 7.86	−10 16.8	1.224	2.220	4.7	18.0
9 28	23 59.52	−11 12.4	1.221	2.207	6.3	18.0
10 8	23 51.69	−11 49.5	1.243	2.195	10.5	18.2
10 18	23 45.53	−12 2.9	1.286	2.184	14.8	18.5
10 28	23 41.94	−11 51.1	1.349	2.174	18.6	18.7

477179 2009 FN_{55} 9 23.7 272°.50 4°.2/19.8 18

8 19	0 28.61	− 9 52.0	1.919	2.786	12.9	21.1
8 29	0 23.66	−10 33.2	1.845	2.778	9.8	20.9
9 8	0 16.67	−11 16.8	1.794	2.769	6.5	20.7
9 18	0 8.24	−11 56.7	1.770	2.761	4.3	20.5
9 28	23 59.26	−12 26.8	1.773	2.752	5.5	20.6
10 8	23 50.74	−12 41.9	1.803	2.744	8.7	20.8
10 18	23 43.57	−12 39.5	1.858	2.735	12.0	21.0
10 28	23 38.44	−12 18.8	1.935	2.726	15.0	21.1

445222 2009 FC_{52} 9 23.7 233°.59 3°.0/20.5 18

8 19	0 26.38	− 5 59.0	2.045	2.908	12.4	21.9
8 29	0 21.84	− 6 49.5	1.971	2.903	9.3	21.7
9 8	0 15.46	− 7 45.8	1.920	2.898	5.9	21.5
9 18	0 7.78	− 8 42.5	1.896	2.892	3.2	21.3
9 28	23 59.62	− 9 33.2	1.900	2.886	4.3	21.4
10 8	23 51.85	−10 12.1	1.931	2.880	7.6	21.6
10 18	23 45.30	−10 35.6	1.989	2.874	11.0	21.8
10 28	23 40.60	−10 41.7	2.069	2.868	13.9	22.0

293745 2007 RM_{46} 9 23.7 334°.53 1°.2/25.0 18

8 19	0 18.19	+ 9 26.2	1.397	2.252	17.6	20.0
8 29	0 16.51	+ 8 19.4	1.314	2.236	13.8	19.7
9 8	0 12.52	+ 6 44.0	1.250	2.222	9.2	19.4
9 18	0 6.80	+ 4 44.4	1.210	2.208	4.1	19.1
9 28	0 0.32	+ 2 30.3	1.195	2.196	2.1	18.9
10 8	23 54.25	+ 0 15.2	1.206	2.184	7.3	19.2
10 18	23 49.68	− 1 47.8	1.242	2.173	12.4	19.5
10 28	23 47.47	− 3 27.9	1.300	2.164	16.8	19.7

199412 2006 CR_{41} 9 23.7 146°.75 1°.3/25.0 18

8 19	0 27.57	+ 6 23.3	1.873	2.705	14.7	20.9
8 29	0 22.87	+ 6 4.7	1.799	2.709	11.4	20.7
9 8	0 16.16	+ 5 30.8	1.746	2.712	7.5	20.5
9 18	0 8.05	+ 4 44.4	1.719	2.716	3.4	20.3
9 28	23 59.43	+ 3 50.5	1.720	2.719	1.9	20.2
10 8	23 51.28	+ 2 55.6	1.748	2.722	5.8	20.5
10 18	23 44.49	+ 2 5.8	1.803	2.725	9.8	20.7
10 28	23 39.73	+ 1 26.5	1.882	2.728	13.2	20.9

235763 2004 VS_{8} 9 23.7 322°.98 1°.5/22.4 18

8 19	0 23.93	+ 0 26.2	1.498	2.368	15.8	20.2
8 29	0 20.65	− 0 23.2	1.423	2.358	11.9	20.0
9 8	0 15.04	− 1 27.7	1.369	2.349	7.4	19.7
9 18	0 7.70	− 2 41.4	1.339	2.340	2.7	19.4
9 28	23 59.66	− 3 55.9	1.334	2.331	3.2	19.4
10 8	23 52.09	− 5 2.0	1.356	2.323	8.1	19.7
10 18	23 46.05	− 5 52.4	1.402	2.316	12.6	19.9
10 28	23 42.36	− 6 22.3	1.468	2.308	16.6	20.1

145996 2000 CU_{20} 9 23.7 303°.02 0°.9/23.0 18

8 19	0 25.81	+ 1 30.1	1.401	2.269	16.8	19.5
8 29	0 22.30	+ 0 52.1	1.322	2.256	12.8	19.2
9 8	0 16.21	− 0 2.5	1.264	2.243	8.1	18.9
9 18	0 8.18	− 1 8.7	1.229	2.230	2.9	18.6
9 28	23 59.30	− 2 18.1	1.219	2.218	2.9	18.6
10 8	23 50.87	− 3 21.4	1.235	2.205	8.2	18.8
10 18	23 44.10	− 4 10.4	1.274	2.193	13.2	19.1
10 28	23 39.91	− 4 39.6	1.334	2.182	17.5	19.3

187717 2008 ED_{82} 9 23.7 152°.00 1°.1/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 29.28	+ 0 46.3	1.796	2.646	14.5	21.4
8 29	0 24.16	− 0 1.0	1.729	2.654	10.9	21.2
9 8	0 16.96	− 1 0.5	1.685	2.660	6.8	21.0
9 18	0 8.34	− 2 7.0	1.666	2.667	2.4	20.7
9 28	23 59.24	− 3 13.3	1.676	2.673	2.7	20.7
10 8	23 50.69	− 4 12.5	1.713	2.678	6.9	21.0
10 18	23 43.60	− 4 58.7	1.777	2.683	10.9	21.3
10 28	23 38.64	− 5 28.3	1.864	2.687	14.3	21.5

428227 2006 WD_{95} 9 23.7 154°.24 3°.8/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.69	− 7 51.8	1.931	2.792	13.1	22.0
8 29	0 25.05	− 8 51.1	1.870	2.801	9.8	21.8
9 8	0 17.44	− 9 54.5	1.833	2.809	6.4	21.6
9 18	0 8.49	−10 55.4	1.823	2.816	3.9	21.5
9 28	23 59.13	−11 46.9	1.841	2.822	5.1	21.6
10 8	23 50.35	−12 23.4	1.887	2.828	8.4	21.8
10 18	23 42.99	−12 41.8	1.959	2.833	11.6	22.0
10 28	23 37.69	−12 41.1	2.053	2.838	14.5	22.2

259695 2003 YL_{17} 9 23.7 313°.35 0°.6/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.44	+ 1 1.9	1.245	2.121	18.0	20.4
8 29	0 23.19	+ 0 45.7	1.163	2.100	13.8	20.1
9 8	0 17.02	+ 0 13.5	1.100	2.080	8.9	19.8
9 18	0 8.56	− 0 30.6	1.059	2.060	3.2	19.4
9 28	23 58.98	− 1 19.2	1.042	2.041	2.9	19.3
10 8	23 49.81	− 2 3.1	1.049	2.023	8.8	19.6
10 18	23 42.46	− 2 34.1	1.078	2.005	14.3	19.9
10 28	23 38.03	− 2 46.4	1.128	1.988	19.1	20.1

413061 2001 RX_{145} 9 23.7 56°.82 3°.3/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.48	+ 9 9.8	1.115	1.968	21.2	20.4
8 29	0 26.01	+ 9 15.1	1.066	1.984	16.7	20.2
9 8	0 18.53	+ 8 55.5	1.033	1.999	11.4	20.0
9 18	0 8.98	+ 8 13.3	1.022	2.015	6.0	19.7
9 28	23 58.81	+ 7 15.4	1.034	2.032	3.5	19.7
10 8	23 49.64	+ 6 11.9	1.070	2.049	7.8	20.0
10 18	23 42.74	+ 5 13.1	1.129	2.066	12.8	20.3
10 28	23 38.94	+ 4 27.4	1.209	2.083	17.2	20.6

328638 2009 SK_{209} 9 23.7 309°.67 1°.5/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.39	− 3 27.5	2.145	2.999	12.3	20.8
8 29	0 22.55	− 3 39.6	2.063	2.990	9.2	20.6
9 8	0 15.89	− 3 57.4	2.004	2.981	5.8	20.3
9 18	0 7.96	− 4 17.5	1.972	2.972	2.3	20.1
9 28	23 59.51	− 4 35.5	1.968	2.963	2.7	20.1
10 8	23 51.41	− 4 47.4	1.992	2.955	6.3	20.3
10 18	23 44.48	− 4 49.9	2.043	2.946	9.9	20.5
10 28	23 39.35	− 4 40.8	2.118	2.938	12.9	20.7

496423 2014 DR_{141} 9 23.7 147°.80 7°.8/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.12	− 3 59.3	1.043	1.941	18.9	20.8
8 29	0 22.28	− 7 45.9	0.992	1.944	14.0	20.5
9 8	0 16.38	−11 54.6	0.965	1.947	9.3	20.3
9 18	0 8.25	−16 1.5	0.963	1.950	7.9	20.2
9 28	23 59.30	−19 40.1	0.987	1.952	11.2	20.4
10 8	23 51.17	−22 30.6	1.036	1.954	15.9	20.7
10 18	23 45.23	−24 25.4	1.104	1.956	20.3	21.0
10 28	23 42.39	−25 26.3	1.189	1.958	23.8	21.3

128244 2003 SZ_{175} 9 23.7 279°.69 1°.1/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.99	+ 0 36.8	2.305	3.156	11.7	19.8
8 29	0 18.36	− 0 21.6	2.225	3.151	8.7	19.6
9 8	0 13.19	− 1 30.5	2.169	3.146	5.4	19.4
9 18	0 6.94	− 2 45.5	2.141	3.142	2.0	19.2
9 28	0 0.28	− 4 0.7	2.141	3.137	2.4	19.2
10 8	23 53.93	− 5 9.9	2.170	3.132	5.9	19.4
10 18	23 48.57	− 6 8.1	2.226	3.127	9.2	19.6
10 28	23 44.75	− 6 51.4	2.306	3.123	12.1	19.8

491519 2012 JN_{54} 9 23.7 325°.35 10°.5/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.48	−32 47.8	2.199	3.039	12.6	20.4
8 29	0 24.22	−33 57.5	2.152	3.029	11.3	20.3
9 8	0 16.94	−34 52.6	2.127	3.020	10.6	20.2
9 18	0 8.32	−35 25.6	2.125	3.011	10.8	20.2
9 28	23 59.29	−35 31.1	2.147	3.002	11.8	20.3
10 8	23 50.88	−35 7.2	2.190	2.994	13.3	20.4
10 18	23 43.94	−34 15.1	2.254	2.986	15.0	20.5
10 28	23 39.10	−32 58.5	2.335	2.978	16.5	20.6

175943 2000 GE_1 9 23.7 37°.12 11°.7/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 15.77	− 1 3.6	0.537	1.477	24.4	16.5
8 29	0 15.94	− 8 28.9	0.539	1.513	17.0	16.4
9 8	0 12.40	−15 37.2	0.563	1.551	12.2	16.3
9 18	0 6.65	−21 35.7	0.610	1.591	12.8	16.6
9 28	0 0.69	−25 54.7	0.679	1.632	16.9	17.0
10 8	23 56.29	−28 33.1	0.766	1.675	21.1	17.5
10 18	23 54.48	−29 46.2	0.867	1.717	24.6	17.9
10 28	23 55.69	−29 53.5	0.981	1.761	27.1	18.3

338453 2003 FY_3 9 23.7 228°.38 1°.9/22.9 12 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 48.05	− 5 43.8	1.287	2.138	19.0	20.5
8 29	0 39.64	− 5 11.6	1.206	2.130	14.7	20.2
9 8	0 27.49	− 4 41.3	1.146	2.120	9.4	19.9
9 18	0 12.45	− 4 9.3	1.111	2.111	3.7	19.5
9 28	23 56.14	− 3 31.7	1.103	2.100	3.7	19.5
10 8	23 40.58	− 2 45.7	1.123	2.089	9.6	19.8
10 18	23 27.53	− 1 50.4	1.169	2.077	15.1	20.1
10 28	23 18.21	− 0 45.5	1.237	2.064	19.8	20.3

348023 2003 SR_{427} 9 23.7 306°.35 0°.4/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.99	+ 2 42.3	1.624	2.478	15.6	20.9
8 29	0 22.91	+ 2 33.2	1.538	2.462	12.0	20.6
9 8	0 16.49	+ 2 10.5	1.473	2.447	7.8	20.3
9 18	0 8.28	+ 1 37.2	1.431	2.432	3.0	20.0
9 28	23 59.27	+ 0 58.3	1.417	2.417	2.0	19.9
10 8	23 50.62	+ 0 20.6	1.428	2.402	7.0	20.2
10 18	23 43.42	− 0 9.8	1.465	2.388	11.6	20.4
10 28	23 38.55	− 0 27.7	1.524	2.374	15.6	20.6

404642 2014 HN_{25} 9 23.7 246°.39 4°.7/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.26	−11 33.1	2.028	2.892	12.5	21.3
8 29	0 24.85	−12 16.6	1.950	2.880	9.5	21.1
9 8	0 17.42	−13 1.2	1.896	2.868	6.5	20.9
9 18	0 8.56	−13 40.9	1.869	2.856	4.7	20.7
9 28	23 59.12	−14 9.4	1.869	2.843	5.9	20.8
10 8	23 50.09	−14 22.1	1.897	2.830	8.8	20.9
10 18	23 42.38	−14 16.4	1.950	2.817	12.0	21.1
10 28	23 36.69	−13 52.2	2.025	2.803	14.9	21.3

149774 2004 RH_{107} 9 23.7 295°.20 1°.8/26.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.60	+ 9 4.3	3.012	3.817	10.4	20.4
8 29	0 17.84	+ 8 53.7	2.903	3.795	8.2	20.2
9 8	0 12.79	+ 8 32.0	2.819	3.773	5.7	20.0
9 18	0 6.81	+ 8 0.3	2.761	3.750	3.1	19.8
9 28	0 0.41	+ 7 21.1	2.731	3.728	1.9	19.7
10 8	23 54.15	+ 6 37.7	2.732	3.706	4.0	19.8
10 18	23 48.61	+ 5 54.2	2.761	3.683	6.8	19.9
10 28	23 44.27	+ 5 14.6	2.816	3.661	9.3	20.1

399694 2004 TL_{118} 9 23.7 325°.62 1°.9/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.27	+ 9 37.9	1.931	2.760	14.5	20.4
8 29	0 18.20	+ 9 2.6	1.843	2.749	11.4	20.2
9 8	0 13.29	+ 8 8.1	1.777	2.739	7.8	20.0
9 18	0 7.05	+ 6 57.3	1.736	2.730	3.9	19.7
9 28	0 0.24	+ 5 35.2	1.721	2.720	2.1	19.6
10 8	23 53.76	+ 4 9.5	1.735	2.711	5.6	19.8
10 18	23 48.45	+ 2 47.8	1.775	2.703	9.5	20.0
10 28	23 44.96	+ 1 37.3	1.839	2.695	13.0	20.2

6512 de Bergh 9 23.7 44°.15 0°.5/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.98	+ 7 17.7	1.372	2.229	17.7	16.7
8 29	0 19.84	+ 6 6.7	1.320	2.245	13.5	16.4
9 8	0 14.40	+ 4 33.1	1.288	2.262	8.7	16.2
9 18	0 7.43	+ 2 43.9	1.280	2.280	3.4	16.0
9 28	0 0.02	+ 0 49.6	1.298	2.298	2.1	15.9
10 8	23 53.35	− 0 57.9	1.342	2.317	7.2	16.3
10 18	23 48.35	− 2 29.0	1.411	2.336	11.7	16.6
10 28	23 45.70	− 3 37.5	1.502	2.355	15.6	16.9

215424 2002 JE_{18} 9 23.7 82°.25 3°.0/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.46	+10 26.0	1.416	2.251	18.4	20.5
8 29	0 23.39	+10 9.9	1.348	2.255	14.6	20.2
9 8	0 16.79	+ 9 30.2	1.298	2.260	10.1	20.0
9 18	0 8.37	+ 8 29.2	1.272	2.264	5.4	19.7
9 28	23 59.28	+ 7 13.3	1.271	2.268	3.1	19.6
10 8	23 50.81	+ 5 51.7	1.295	2.273	6.9	19.9
10 18	23 44.10	+ 4 34.4	1.345	2.277	11.5	20.1
10 28	23 39.98	+ 3 30.0	1.417	2.281	15.6	20.4

52159 4178 $T\text{-}_1$ 9 23.7 128°.80 1°.7/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.63	− 1 31.7	1.778	2.632	14.4	19.7
8 29	0 25.13	− 2 14.0	1.718	2.645	10.8	19.5
9 8	0 17.54	− 3 5.7	1.680	2.657	6.7	19.3
9 18	0 8.57	− 4 1.5	1.669	2.669	2.6	19.0
9 28	23 59.17	− 4 54.7	1.686	2.681	3.1	19.1
10 8	23 50.41	− 5 38.8	1.730	2.692	7.2	19.4
10 18	23 43.17	− 6 9.3	1.801	2.702	11.1	19.6
10 28	23 38.11	− 6 23.5	1.894	2.712	14.3	19.9

51570 Phendricksen 9 23.7 356°.95 9°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.49	−18 59.9	1.348	2.236	16.0	17.8
8 29	0 24.25	−19 56.1	1.296	2.232	12.8	17.6
9 8	0 17.33	−20 45.0	1.265	2.229	10.1	17.4
9 18	0 8.54	−21 16.6	1.257	2.227	9.0	17.3
9 28	23 59.19	−21 22.4	1.272	2.226	10.5	17.4
10 8	23 50.67	−20 58.6	1.310	2.226	13.4	17.6
10 18	23 44.12	−20 5.7	1.368	2.227	16.6	17.8
10 28	23 40.30	−18 47.6	1.445	2.229	19.6	18.0

186451 2002 SJ_{45} 9 23.7 313°.66 1°.6/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 23.93	+ 7 59.5	1.390	2.241	17.8	19.6
8 29	0 20.89	+ 7 25.3	1.311	2.231	14.0	19.3
9 8	0 15.34	+ 6 27.5	1.252	2.222	9.4	19.0
9 18	0 7.89	+ 5 9.5	1.215	2.213	4.3	18.7
9 28	23 59.63	+ 3 38.7	1.204	2.204	2.3	18.6
10 8	23 51.84	+ 2 5.7	1.218	2.195	7.3	18.9
10 18	23 45.69	+ 0 41.4	1.256	2.187	12.3	19.1
10 28	23 42.08	− 0 25.7	1.316	2.179	16.7	19.4

48521 1993 FV_{50} 9 23.7 237°.28 0°.7/24.4 18

8 19	0 28.50	+ 5 3.0	1.811	2.648	14.9	20.3
8 29	0 23.82	+ 4 35.7	1.722	2.637	11.5	20.1
9 8	0 16.95	+ 3 52.6	1.655	2.625	7.5	19.8
9 18	0 8.45	+ 2 56.8	1.614	2.612	3.1	19.5
9 28	23 59.22	+ 1 53.7	1.599	2.599	1.9	19.4
10 8	23 50.34	+ 0 50.6	1.613	2.586	6.4	19.7
10 18	23 42.81	− 0 5.4	1.654	2.572	10.8	19.9
10 28	23 37.44	− 0 48.6	1.717	2.557	14.5	20.1

374758 2006 SW_{251} 9 23.7 333°.79 0°.1/23.8 18

8 19	0 26.35	+ 1 42.6	1.161	2.039	18.8	21.2
8 29	0 23.17	+ 1 39.6	1.088	2.026	14.5	20.9
9 8	0 17.02	+ 1 20.4	1.035	2.015	9.3	20.6
9 18	0 8.57	+ 0 48.9	1.003	2.004	3.5	20.3
9 28	23 59.12	+ 0 11.8	0.994	1.994	2.6	20.2
10 8	23 50.23	− 0 22.2	1.009	1.985	8.6	20.5
10 18	23 43.32	− 0 45.5	1.045	1.977	14.1	20.8
10 28	23 39.44	− 0 52.3	1.102	1.970	18.8	21.0

48704 1996 JR_2 9 23.7 123°.37 5°.5/17.9 18

8 19	0 32.10	−16 33.8	2.338	3.193	11.4	18.8
8 29	0 25.71	−17 22.6	2.291	3.211	8.8	18.6
9 8	0 17.66	−18 7.5	2.269	3.228	6.5	18.5
9 18	0 8.57	−18 42.9	2.274	3.245	5.5	18.5
9 28	23 59.25	−19 3.7	2.308	3.261	6.5	18.6
10 8	23 50.54	−19 7.3	2.370	3.277	8.7	18.7
10 18	23 43.14	−18 52.9	2.458	3.291	11.0	18.9
10 28	23 37.58	−18 21.7	2.568	3.306	13.1	19.1

107587 2001 DA_{101} 9 23.7 39°.02 3°.5/20.8 18 R

8 19	0 24.81	− 2 18.4	1.178	2.066	17.9	18.9
8 29	0 21.57	− 3 41.5	1.130	2.076	13.3	18.6
9 8	0 15.67	− 5 18.4	1.103	2.087	8.2	18.4
9 18	0 7.96	− 6 58.9	1.098	2.098	3.9	18.2
9 28	23 59.70	− 8 30.3	1.119	2.110	5.4	18.3
10 8	23 52.29	− 9 42.0	1.163	2.122	10.2	18.6
10 18	23 46.84	−10 27.4	1.229	2.135	14.7	18.9
10 28	23 44.09	−10 44.7	1.315	2.149	18.5	19.2

149340 2002 VD_{86} 9 23.7 321°.36 0°.8/24.2 18

8 19	0 27.94	+ 2 32.4	1.264	2.132	18.2	19.7
8 29	0 24.28	+ 2 40.8	1.184	2.115	14.1	19.4
9 8	0 17.71	+ 2 34.3	1.123	2.099	9.3	19.1
9 18	0 8.86	+ 2 15.3	1.084	2.084	3.7	18.7
9 28	23 58.93	+ 1 49.1	1.069	2.069	2.4	18.6
10 8	23 49.44	+ 1 22.9	1.078	2.055	8.1	18.9
10 18	23 41.81	+ 1 3.9	1.111	2.042	13.5	19.2
10 28	23 37.11	+ 0 58.0	1.163	2.029	18.2	19.4

4054 Turnov 9 23.7 331°.18 0°.6/23.2 18

8 19	0 25.27	+ 0 2.6	1.796	2.655	14.1	17.2
8 29	0 21.35	− 0 10.3	1.714	2.642	10.7	17.0
9 8	0 15.36	− 0 33.4	1.653	2.630	6.8	16.7
9 18	0 7.86	− 1 3.1	1.618	2.619	2.4	16.4
9 28	23 59.73	− 1 34.4	1.610	2.608	2.3	16.4
10 8	23 51.97	− 2 1.7	1.628	2.598	6.7	16.6
10 18	23 45.52	− 2 20.2	1.672	2.589	10.8	16.9
10 28	23 41.12	− 2 26.1	1.739	2.580	14.3	17.1

319231 2006 AN_{17} 9 23.7 204°.44 0°.3/24.1 18

8 19	0 24.22	+ 3 35.9	2.397	3.231	11.8	21.8
8 29	0 19.98	+ 3 8.4	2.316	3.230	9.0	21.6
9 8	0 14.21	+ 2 30.1	2.258	3.229	5.8	21.4
9 18	0 7.37	+ 1 44.0	2.228	3.227	2.2	21.1
9 28	0 0.12	+ 0 54.4	2.226	3.225	1.5	21.1
10 8	23 53.19	+ 0 6.2	2.253	3.224	5.0	21.3
10 18	23 47.25	− 0 36.0	2.308	3.222	8.3	21.5
10 28	23 42.86	− 1 8.5	2.387	3.220	11.2	21.7

256787 2008 CK_{23} 9 23.7 315°.13 2°.4/25.4 18 R

8 19	0 24.91	+ 6 57.2	1.197	2.060	19.4	20.6
8 29	0 22.22	+ 6 59.5	1.111	2.038	15.3	20.3
9 8	0 16.56	+ 6 39.7	1.044	2.016	10.5	20.0
9 18	0 8.49	+ 5 58.9	0.997	1.994	5.1	19.6
9 28	23 59.19	+ 5 2.3	0.974	1.973	2.9	19.4
10 8	23 50.22	+ 3 59.3	0.974	1.953	8.2	19.7
10 18	23 43.09	+ 3 0.4	0.996	1.934	13.9	19.9
10 28	23 38.98	+ 2 15.3	1.038	1.916	19.0	20.2

59135 1998 XN_{46} 9 23.7 353°.76 6°.3/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.47	−10 10.5	0.881	1.792	20.2	16.9
8 29	0 24.59	−10 34.8	0.829	1.784	15.5	16.6
9 8	0 18.12	−11 1.3	0.794	1.778	10.3	16.3
9 18	0 9.00	−11 20.2	0.778	1.774	6.5	16.1
9 28	23 58.93	−11 21.0	0.783	1.771	8.0	16.2
10 8	23 49.87	−10 57.0	0.808	1.770	12.9	16.4
10 18	23 43.39	−10 6.9	0.853	1.771	18.0	16.7
10 28	23 40.51	− 8 52.8	0.913	1.774	22.5	17.0

114710 2003 GX_7 9 23.7 306°.19 0°.6/25.0 18

8 19	0 17.03	+ 6 58.8	4.176	4.987	7.6	19.4
8 29	0 14.02	+ 6 12.2	4.084	4.983	5.8	19.3
9 8	0 10.20	+ 5 17.3	4.018	4.980	3.8	19.2
9 18	0 5.84	+ 4 16.3	3.980	4.976	1.7	19.0
9 28	0 1.27	+ 3 11.7	3.972	4.972	0.9	18.9
10 8	23 56.85	+ 2 6.9	3.996	4.968	3.0	19.1
10 18	23 52.94	+ 1 4.8	4.050	4.965	5.1	19.2
10 28	23 49.84	+ 0 8.5	4.132	4.961	6.9	19.4

242828 2006 DC_1 9 23.7 192°.68 0°.2/23.9 18

8 19	0 23.99	+ 3 9.7	2.671	3.502	10.8	21.1
8 29	0 19.66	+ 2 42.8	2.588	3.501	8.2	21.0
9 8	0 13.94	+ 2 6.6	2.530	3.500	5.2	20.8
9 18	0 7.26	+ 1 23.6	2.499	3.498	2.0	20.5
9 28	0 0.22	+ 0 37.8	2.497	3.497	1.4	20.5
10 8	23 53.46	− 0 6.6	2.525	3.495	4.6	20.7
10 18	23 47.59	− 0 45.6	2.581	3.492	7.7	20.9
10 28	23 43.12	− 1 15.8	2.662	3.490	10.3	21.1

401762 2013 LJ 9 23.8 44°.93 1°.4/22.2 18

8 19	0 24.11	− 1 36.6	2.131	2.987	12.3	20.8
8 29	0 20.00	− 2 14.9	2.065	2.994	9.1	20.6
9 8	0 14.25	− 3 1.2	2.023	3.001	5.7	20.4
9 18	0 7.39	− 3 51.1	2.007	3.008	2.2	20.2
9 28	0 0.16	− 4 39.2	2.020	3.015	2.7	20.2
10 8	23 53.36	− 5 20.3	2.060	3.023	6.2	20.5
10 18	23 47.70	− 5 50.4	2.127	3.030	9.5	20.7
10 28	23 43.73	− 6 6.7	2.218	3.038	12.4	20.9

268970 2007 EC_{25} 9 23.8 138°.98 0°.6/24.5 18

8 19	0 22.80	+ 5 48.0	2.411	3.240	11.9	20.4
8 29	0 18.90	+ 5 5.5	2.333	3.243	9.1	20.2
9 8	0 13.52	+ 4 10.4	2.279	3.246	5.9	20.0
9 18	0 7.12	+ 3 5.9	2.251	3.249	2.4	19.8
9 28	0 0.35	+ 1 56.6	2.252	3.252	1.4	19.7
10 8	23 53.93	+ 0 48.3	2.283	3.255	4.9	20.0
10 18	23 48.47	− 0 13.7	2.341	3.257	8.1	20.2
10 28	23 44.52	− 1 5.1	2.425	3.260	11.0	20.4

142067 2002 QV_{35} 9 23.8 288°.52 2°.3/22.0 18

8 19	0 28.94	− 2 43.4	1.462	2.332	16.1	19.7
8 29	0 24.70	− 3 16.5	1.378	2.314	12.2	19.5
9 8	0 17.80	− 4 0.8	1.315	2.296	7.7	19.2
9 18	0 8.88	− 4 50.8	1.277	2.277	3.2	18.8
9 28	23 59.01	− 5 38.6	1.263	2.258	4.0	18.8
10 8	23 49.53	− 6 16.1	1.276	2.240	8.9	19.1
10 18	23 41.70	− 6 37.4	1.312	2.222	13.7	19.3
10 28	23 36.48	− 6 38.7	1.369	2.203	17.9	19.5

294853 2008 CH_{183} 9 23.8 176°.48 2°.2/21.7 18

8 19	0 27.37	− 1 1.5	1.619	2.483	15.1	20.7
8 29	0 23.02	− 2 6.8	1.551	2.484	11.3	20.4
9 8	0 16.43	− 3 25.0	1.505	2.485	7.0	20.2
9 18	0 8.27	− 4 49.2	1.485	2.485	2.8	19.9
9 28	23 59.52	− 6 10.6	1.492	2.486	3.8	20.0
10 8	23 51.33	− 7 20.4	1.525	2.485	8.1	20.3
10 18	23 44.66	− 8 12.5	1.584	2.485	12.3	20.5
10 28	23 40.26	− 8 43.1	1.664	2.484	15.9	20.7

515940 2015 RG_{27} 9 23.8 14°.04 0°.8/23.1 18

8 19	0 25.63	− 0 21.7	1.565	2.432	15.4	20.5
8 29	0 21.70	− 0 36.0	1.503	2.436	11.6	20.3
9 8	0 15.58	− 1 0.9	1.463	2.441	7.3	20.1
9 18	0 7.94	− 1 32.1	1.446	2.447	2.6	19.8
9 28	23 59.79	− 2 3.8	1.456	2.454	2.5	19.8
10 8	23 52.23	− 2 29.7	1.492	2.462	7.1	20.1
10 18	23 46.23	− 2 45.3	1.552	2.471	11.3	20.4
10 28	23 42.47	− 2 47.1	1.635	2.480	14.9	20.7

471663 2012 TR_{148} 9 23.8 69°.48 3°.8/26.6 18

8 19	0 33.96	+ 9 28.4	1.595	2.414	17.4	20.0
8 29	0 27.95	+10 5.4	1.534	2.431	13.8	19.8
9 8	0 19.50	+10 25.2	1.494	2.448	9.7	19.7
9 18	0 9.38	+10 27.8	1.478	2.465	5.7	19.5
9 28	23 58.74	+10 15.6	1.488	2.482	3.9	19.4
10 8	23 48.82	+ 9 53.9	1.526	2.499	6.6	19.6
10 18	23 40.68	+ 9 28.9	1.589	2.516	10.5	19.9
10 28	23 35.08	+ 9 6.8	1.676	2.533	14.0	20.1

85401 Yamatenclub 9 23.8 325°.87 0°.1/23.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.10	+ 1 41.4	1.451	2.315	16.6	18.5
8 29	0 23.20	+ 1 31.6	1.374	2.304	12.7	18.3
9 8	0 16.78	+ 1 8.0	1.317	2.294	8.1	18.0
9 18	0 8.47	+ 0 34.3	1.284	2.285	3.0	17.6
9 28	23 59.36	− 0 3.8	1.276	2.276	2.3	17.6
10 8	23 50.72	− 0 38.8	1.294	2.267	7.5	17.9
10 18	23 43.73	− 1 4.5	1.335	2.259	12.3	18.1
10 28	23 39.26	− 1 15.9	1.398	2.252	16.5	18.4

13577 Ukawa 9 23.8 116°.69 1°.7/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.85	− 1 7.8	1.735	2.590	14.7	18.9
8 29	0 24.59	− 1 57.9	1.678	2.606	10.9	18.7
9 8	0 17.24	− 2 58.2	1.643	2.620	6.7	18.5
9 18	0 8.52	− 4 2.8	1.634	2.635	2.6	18.3
9 28	23 59.40	− 5 4.5	1.654	2.649	3.2	18.3
10 8	23 50.93	− 5 56.3	1.700	2.662	7.3	18.6
10 18	23 43.99	− 6 33.5	1.773	2.675	11.2	18.9
10 28	23 39.24	− 6 53.3	1.869	2.687	14.4	19.1

436394 2010 VF_{172} 9 23.8 289°.80 1°.9/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.59	− 8 27.4	4.380	5.235	6.5	21.3
8 29	0 15.13	− 8 56.3	4.305	5.232	4.8	21.2
9 8	0 10.88	− 9 26.5	4.256	5.230	3.1	21.0
9 18	0 6.11	− 9 55.5	4.235	5.228	1.9	21.0
9 28	0 1.15	−10 21.1	4.245	5.226	2.5	21.0
10 8	23 56.35	−10 41.1	4.284	5.223	4.1	21.1
10 18	23 52.06	−10 53.9	4.351	5.221	5.8	21.2
10 28	23 48.57	−10 58.4	4.443	5.219	7.4	21.4

78184 2002 NH_{37} 9 23.8 324°.91 9°.9/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.45	+23 13.7	1.523	2.295	20.1	18.5
8 29	0 20.80	+24 14.3	1.427	2.272	17.7	18.3
9 8	0 15.53	+24 48.3	1.348	2.250	14.8	18.0
9 18	0 8.11	+24 50.3	1.288	2.228	12.0	17.8
9 28	23 59.56	+24 18.1	1.249	2.208	10.1	17.7
10 8	23 51.19	+23 14.8	1.234	2.188	10.4	17.6
10 18	23 44.35	+21 48.5	1.241	2.169	12.7	17.7
10 28	23 40.16	+20 11.4	1.269	2.151	15.9	17.8

478564 2012 TP_{66} 9 23.8 338°.91 6°.0/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 34.47	−13 39.3	1.425	2.301	16.1	20.4
8 29	0 28.75	−13 53.3	1.358	2.293	12.4	20.2
9 8	0 20.23	−14 4.3	1.313	2.286	8.6	20.0
9 18	0 9.72	−14 5.1	1.291	2.279	6.1	19.8
9 28	23 58.50	−13 49.2	1.295	2.273	7.2	19.9
10 8	23 48.03	−13 12.8	1.324	2.268	10.8	20.1
10 18	23 39.55	−12 16.1	1.377	2.264	14.8	20.3
10 28	23 33.92	−11 1.0	1.450	2.260	18.3	20.5

145203 2005 JZ_{33} 9 23.8 46°.72 0°.3/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.83	+ 2 2.7	1.808	2.660	14.3	20.4
8 29	0 21.62	+ 1 31.9	1.740	2.664	10.8	20.2
9 8	0 15.43	+ 0 48.8	1.694	2.669	6.8	20.0
9 18	0 7.88	− 0 2.6	1.673	2.674	2.5	19.7
9 28	23 59.85	− 0 56.2	1.679	2.678	2.1	19.7
10 8	23 52.32	− 1 45.5	1.713	2.683	6.4	20.0
10 18	23 46.14	− 2 25.1	1.773	2.688	10.3	20.3
10 28	23 41.98	− 2 50.8	1.856	2.694	13.7	20.5

332459 2008 CM_{97} 9 23.8 115°.40 1°.4/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.27	− 0 4.7	1.640	2.495	15.4	21.6
8 29	0 25.03	− 0 49.5	1.582	2.509	11.5	21.4
9 8	0 17.59	− 1 45.9	1.546	2.523	7.1	21.2
9 18	0 8.67	− 2 48.3	1.535	2.536	2.6	20.9
9 28	23 59.31	− 3 49.1	1.552	2.549	3.0	21.0
10 8	23 50.63	− 4 41.2	1.596	2.561	7.4	21.3
10 18	23 43.58	− 5 19.2	1.666	2.573	11.4	21.6
10 28	23 38.82	− 5 39.8	1.758	2.584	14.9	21.8

255068 2005 UO_{1} 9 23.8 338°.67 0°.5/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.06	+ 0 15.2	1.793	2.650	14.2	20.4
8 29	0 21.91	+ 0 2.4	1.716	2.643	10.8	20.2
9 8	0 15.70	− 0 20.6	1.661	2.637	6.8	19.9
9 18	0 8.02	− 0 50.2	1.630	2.631	2.5	19.6
9 28	23 59.74	− 1 21.5	1.627	2.626	2.2	19.6
10 8	23 51.89	− 1 48.8	1.650	2.621	6.6	19.9
10 18	23 45.38	− 2 7.5	1.700	2.616	10.6	20.1
10 28	23 40.93	− 2 13.8	1.772	2.612	14.2	20.3

448430 2009 UB_{116} 9 23.8 42°.19 3°.1/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.12	− 7 45.8	2.101	2.965	12.1	21.0
8 29	0 22.28	− 8 16.0	2.038	2.970	9.1	20.8
9 8	0 15.69	− 8 49.0	1.999	2.976	5.8	20.6
9 18	0 7.95	− 9 20.2	1.986	2.982	3.3	20.5
9 28	23 59.83	− 9 44.4	2.002	2.988	4.2	20.6
10 8	23 52.20	− 9 57.6	2.045	2.994	7.2	20.8
10 18	23 45.80	− 9 57.2	2.114	3.000	10.4	21.0
10 28	23 41.22	− 9 42.4	2.206	3.007	13.1	21.2

192456 1998 BU_{23} 9 23.8 175°.01 0°.6/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.49	+ 1 32.2	1.822	2.672	14.3	20.0
8 29	0 22.89	+ 0 55.0	1.749	2.673	10.8	19.8
9 8	0 16.27	+ 0 5.4	1.699	2.674	6.8	19.6
9 18	0 8.21	− 0 52.2	1.674	2.675	2.4	19.3
9 28	23 59.62	− 1 51.5	1.676	2.675	2.3	19.3
10 8	23 51.50	− 2 45.6	1.707	2.675	6.6	19.6
10 18	23 44.76	− 3 28.9	1.764	2.675	10.6	19.8
10 28	23 40.08	− 3 57.3	1.843	2.675	14.1	20.1

340886 2007 CR_{45} 9 23.8 285°.08 1°.9/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.36	− 4 30.4	3.137	3.991	8.8	21.1
8 29	0 16.84	− 5 22.6	3.043	3.971	6.6	20.9
9 8	0 12.15	− 6 20.2	2.974	3.951	4.1	20.7
9 18	0 6.64	− 7 19.6	2.934	3.931	2.1	20.6
9 28	0 0.77	− 8 16.5	2.924	3.911	2.9	20.6
10 8	23 55.07	− 9 6.8	2.943	3.891	5.3	20.7
10 18	23 50.04	− 9 47.4	2.989	3.871	7.8	20.9
10 28	23 46.14	−10 15.8	3.061	3.851	10.1	21.0

297138 2010 TB_{79} 9 23.8 260°.83 3°.2/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 31.82	− 5 19.0	1.432	2.303	16.3	20.6
8 29	0 26.75	− 5 50.3	1.362	2.298	12.3	20.3
9 8	0 18.99	− 6 29.2	1.313	2.293	7.8	20.0
9 18	0 9.29	− 7 9.2	1.289	2.287	3.7	19.8
9 28	23 58.83	− 7 42.6	1.290	2.282	4.8	19.9
10 8	23 49.00	− 8 2.6	1.317	2.277	9.3	20.1
10 18	23 40.99	− 8 4.8	1.368	2.271	13.7	20.4
10 28	23 35.69	− 7 47.7	1.440	2.266	17.6	20.6

304206 2006 QJ_{116} 9 23.8 8°.30 2°.5/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.93	+ 7 49.9	1.346	2.202	18.1	19.7
8 29	0 20.07	+ 7 49.5	1.283	2.204	14.2	19.5
9 8	0 14.76	+ 7 28.8	1.238	2.207	9.6	19.2
9 18	0 7.71	+ 6 49.9	1.216	2.211	4.9	19.0
9 28	0 0.01	+ 5 58.7	1.218	2.217	2.7	18.8
10 8	23 52.92	+ 5 3.3	1.244	2.223	6.9	19.1
10 18	23 47.53	+ 4 12.1	1.295	2.231	11.5	19.4
10 28	23 44.61	+ 3 32.4	1.367	2.240	15.5	19.7

30312 Lilyliu 9 23.8 132°.41 3°.2/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.91	+10 58.5	1.737	2.553	16.3	19.4
8 29	0 24.10	+10 54.0	1.664	2.560	13.0	19.2
9 8	0 17.09	+10 30.1	1.612	2.566	9.1	19.0
9 18	0 8.53	+ 9 48.1	1.584	2.572	5.2	18.8
9 28	23 59.40	+ 8 52.3	1.582	2.578	3.2	18.7
10 8	23 50.80	+ 7 49.7	1.608	2.583	6.1	18.9
10 18	23 43.69	+ 6 47.7	1.660	2.588	10.0	19.1
10 28	23 38.81	+ 5 53.5	1.736	2.593	13.6	19.4

415980 2001 YZ_{90} 9 23.8 234°.56 3°.7/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 31.60	− 6 24.2	1.886	2.745	13.5	21.9
8 29	0 26.16	− 7 27.5	1.799	2.728	10.2	21.6
9 8	0 18.47	− 8 38.6	1.734	2.710	6.6	21.4
9 18	0 9.09	− 9 50.8	1.697	2.691	3.8	21.2
9 28	23 58.96	−10 56.2	1.688	2.671	5.1	21.2
10 8	23 49.14	−11 47.4	1.707	2.650	8.8	21.4
10 18	23 40.68	−12 19.6	1.751	2.628	12.6	21.6
10 28	23 34.40	−12 30.4	1.818	2.606	16.0	21.7

101075 1998 RN_{20} 9 23.8 9°.11 2°.2/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.52	− 0 8.7	1.002	1.905	19.0	17.9
8 29	0 16.46	− 1 2.2	0.956	1.909	14.2	17.6
9 8	0 12.66	− 2 13.2	0.928	1.915	8.8	17.3
9 18	0 6.95	− 3 32.6	0.921	1.923	3.3	17.1
9 28	0 0.61	− 4 48.6	0.936	1.933	4.2	17.2
10 8	23 55.09	− 5 49.6	0.974	1.946	9.6	17.5
10 18	23 51.50	− 6 28.0	1.032	1.960	14.6	17.8
10 28	23 50.62	− 6 40.2	1.109	1.977	18.8	18.2

507872 2014 KF_{7} 9 23.8 142°.13 3°.3/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.47	+13 50.2	2.207	2.999	14.1	21.7
8 29	0 21.09	+13 31.4	2.127	3.005	11.3	21.5
9 8	0 15.00	+12 54.2	2.069	3.012	8.2	21.3
9 18	0 7.72	+12 0.0	2.036	3.018	5.0	21.2
9 28	0 0.02	+10 52.6	2.031	3.023	3.3	21.1
10 8	23 52.71	+ 9 38.0	2.055	3.029	5.2	21.2
10 18	23 46.54	+ 8 22.8	2.107	3.034	8.3	21.4
10 28	23 42.10	+ 7 13.3	2.184	3.038	11.3	21.6

194968 2002 AQ_{178} 9 23.8 213°.07 0°.9/22.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.91	+ 0 24.0	1.979	2.827	13.4	20.7
8 29	0 23.13	− 0 13.5	1.898	2.822	10.1	20.5
9 8	0 16.40	− 1 1.9	1.841	2.816	6.4	20.3
9 18	0 8.28	− 1 57.0	1.810	2.810	2.3	20.0
9 28	23 59.60	− 2 53.0	1.807	2.804	2.4	20.0
10 8	23 51.31	− 3 43.5	1.832	2.798	6.5	20.2
10 18	23 44.28	− 4 23.3	1.884	2.790	10.4	20.5
10 28	23 39.19	− 4 48.6	1.960	2.783	13.7	20.7

396124 2013 CT_{189} 9 23.8 255°.86 1°.0/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 24.66	+ 1 3.4	1.933	2.786	13.5	21.0
8 29	0 20.67	+ 0 14.9	1.859	2.785	10.1	20.8
9 8	0 14.83	− 0 45.6	1.808	2.785	6.3	20.6
9 18	0 7.69	− 1 53.4	1.783	2.784	2.3	20.3
9 28	0 0.05	− 3 1.9	1.786	2.783	2.5	20.4
10 8	23 52.84	− 4 4.2	1.816	2.782	6.5	20.6
10 18	23 46.86	− 4 54.8	1.873	2.781	10.3	20.8
10 28	23 42.75	− 5 29.5	1.953	2.780	13.6	21.1

220722 2004 SZ_{39} 9 23.8 347°.06 2°.5/26.6 18

8 19	0 18.92	+11 48.2	1.692	2.523	16.1	19.2
8 29	0 16.70	+11 3.4	1.609	2.514	12.8	19.0
9 8	0 12.50	+ 9 54.5	1.546	2.506	8.9	18.7
9 18	0 6.86	+ 8 24.5	1.507	2.499	4.8	18.5
9 28	0 0.64	+ 6 39.8	1.495	2.493	2.6	18.3
10 8	23 54.80	+ 4 49.9	1.509	2.488	6.0	18.5
10 18	23 50.25	+ 3 5.0	1.549	2.483	10.1	18.8
10 28	23 47.68	+ 1 33.9	1.614	2.480	14.0	19.0

223125 2002 VE_{49} 9 23.8 350°.62 0°.1/23.7 18

8 19	0 14.79	+ 4 19.9	0.910	1.812	20.6	18.9
8 29	0 14.82	+ 3 41.8	0.848	1.799	15.8	18.6
9 8	0 11.93	+ 2 36.4	0.802	1.787	10.2	18.2
9 18	0 6.79	+ 1 9.8	0.776	1.778	3.8	17.9
9 28	0 0.70	− 0 26.3	0.770	1.771	2.9	17.8
10 8	23 55.24	− 1 56.4	0.786	1.766	9.4	18.1
10 18	23 51.81	− 3 7.6	0.821	1.764	15.4	18.4
10 28	23 51.42	− 3 50.8	0.873	1.764	20.4	18.8

402785 2007 DZ_{2} 9 23.8 121°.60 5°.1/29.7 18

8 19	0 32.01	+18 29.7	2.698	3.437	13.0	20.8
8 29	0 25.75	+19 11.7	2.618	3.451	10.9	20.7
9 8	0 17.84	+19 38.3	2.560	3.465	8.6	20.5
9 18	0 8.78	+19 48.5	2.529	3.478	6.4	20.4
9 28	23 59.28	+19 42.7	2.525	3.491	5.2	20.4
10 8	23 50.12	+19 23.5	2.551	3.503	5.8	20.4
10 18	23 42.02	+18 54.9	2.605	3.515	7.7	20.6
10 28	23 35.57	+18 22.1	2.686	3.527	9.9	20.7

158051 2000 SP_{206} 9 23.8 346°.40 1°.1/24.7 18

8 19	0 22.34	+ 6 29.1	1.356	2.217	17.7	19.7
8 29	0 19.70	+ 5 55.0	1.284	2.210	13.7	19.5
9 8	0 14.61	+ 4 58.9	1.231	2.204	9.0	19.2
9 18	0 7.70	+ 3 45.0	1.200	2.199	3.8	18.9
9 28	0 0.05	+ 2 21.1	1.195	2.195	2.1	18.7
10 8	23 52.92	+ 0 57.8	1.215	2.192	7.3	19.1
10 18	23 47.44	− 0 15.2	1.258	2.189	12.2	19.3
10 28	23 44.44	− 1 10.3	1.323	2.187	16.5	19.6

506288 2017 BP_{35} 9 23.8 250°.23 7°.0/12.7 18

8 19	0 23.33	−20 19.1	2.532	3.399	10.2	21.1
8 29	0 19.43	−22 14.9	2.469	3.388	8.3	21.0
9 8	0 13.96	−24 7.5	2.433	3.376	7.1	20.9
9 18	0 7.36	−25 49.3	2.425	3.365	7.2	20.9
9 28	0 0.30	−27 13.3	2.444	3.353	8.5	21.0
10 8	23 53.52	−28 14.6	2.490	3.341	10.4	21.1
10 18	23 47.71	−28 51.2	2.558	3.328	12.4	21.2
10 28	23 43.44	−29 3.3	2.645	3.316	14.2	21.3

412813 2014 PU_{36} 9 23.8 30°.06 0°.3/24.1 18

8 19	0 24.60	+ 3 14.9	1.858	2.707	14.1	20.7
8 29	0 20.61	+ 2 57.0	1.796	2.717	10.7	20.5
9 8	0 14.76	+ 2 26.8	1.756	2.729	6.9	20.3
9 18	0 7.66	+ 1 47.9	1.741	2.740	2.7	20.1
9 28	0 0.15	+ 1 5.3	1.753	2.753	1.7	20.0
10 8	23 53.17	+ 0 24.9	1.792	2.765	5.8	20.3
10 18	23 47.49	− 0 8.5	1.858	2.779	9.6	20.6
10 28	23 43.71	− 0 30.6	1.947	2.792	12.9	20.8

90881 1996 XN_{6} 9 23.8 318°.15 3°.2/26.4 18

8 19	0 23.57	+ 9 51.4	1.430	2.273	17.9	18.8
8 29	0 20.78	+ 9 50.2	1.339	2.251	14.3	18.5
9 8	0 15.44	+ 9 26.6	1.267	2.230	10.1	18.2
9 18	0 8.09	+ 8 41.3	1.218	2.210	5.6	17.9
9 28	23 59.75	+ 7 38.5	1.192	2.190	3.3	17.7
10 8	23 51.71	+ 6 26.4	1.192	2.171	7.2	17.9
10 18	23 45.21	+ 5 14.7	1.215	2.152	12.0	18.1
10 28	23 41.26	+ 4 13.1	1.260	2.135	16.6	18.3

247360 2001 XU 9 23.8 185°.53 4°.7/ 2.7 14 C

8 19	0 29.90	+26 39.5	4.067	4.725	10.1	26.3
8 29	0 23.72	+26 38.3	3.959	4.725	8.7	26.2
9 8	0 16.37	+26 22.3	3.874	4.724	7.2	26.0
9 18	0 8.22	+25 50.7	3.814	4.722	5.8	25.9
9 28	23 59.74	+25 4.5	3.783	4.719	4.9	25.9
10 8	23 51.48	+24 5.8	3.783	4.715	4.9	25.9
10 18	23 43.93	+22 58.1	3.813	4.709	5.9	25.9
10 28	23 37.53	+21 46.0	3.873	4.703	7.3	26.0

324988 2008 BA_{7} 9 23.8 109°.12 0°.1/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 30.36	+ 3 11.5	1.637	2.483	15.8	21.6
8 29	0 25.11	+ 2 32.8	1.579	2.500	12.0	21.4
9 8	0 17.66	+ 1 39.6	1.543	2.517	7.6	21.2
9 18	0 8.74	+ 0 36.9	1.532	2.533	2.8	20.9
9 28	23 59.40	− 0 28.4	1.549	2.548	2.1	20.9
10 8	23 50.76	− 1 28.4	1.593	2.563	6.8	21.3
10 18	23 43.74	− 2 17.1	1.663	2.578	10.9	21.5
10 28	23 39.02	− 2 50.0	1.756	2.592	14.5	21.8

347008 2010 DP_{32} 9 23.8 145°.88 4°.7/29.3 18

8 19	0 26.76	+17 43.1	2.215	2.984	14.7	21.1
8 29	0 22.11	+17 39.2	2.135	2.991	12.2	21.0
9 8	0 15.68	+17 15.2	2.074	2.998	9.3	20.8
9 18	0 8.02	+16 31.3	2.038	3.005	6.4	20.6
9 28	23 59.89	+15 30.3	2.030	3.011	4.7	20.5
10 8	23 52.17	+14 17.6	2.049	3.017	5.7	20.6
10 18	23 45.62	+12 59.9	2.096	3.022	8.4	20.8
10 28	23 40.87	+11 44.5	2.169	3.027	11.2	21.0

91090 1998 FG_{127} 9 23.8 47°.52 2°.9/24.6 14 C

8 19	0 49.68	+ 0 17.3	0.986	1.843	23.1	18.8
8 29	0 41.53	+ 2 0.8	0.924	1.847	18.1	18.5
9 8	0 29.02	+ 3 38.6	0.880	1.851	12.1	18.2
9 18	0 13.21	+ 5 7.5	0.858	1.856	5.6	17.9
9 28	23 56.12	+ 6 24.6	0.862	1.861	3.8	17.8
10 8	23 40.24	+ 7 29.9	0.891	1.866	9.8	18.1
10 18	23 27.60	+ 8 25.7	0.944	1.871	15.8	18.5
10 28	23 19.41	+ 9 17.3	1.016	1.877	20.7	18.8

86967 2000 JB_{9} 9 23.8 63°.67 3°.4/26.9 18

8 19	0 28.34	+11 56.8	1.428	2.255	18.7	20.0
8 29	0 23.84	+11 37.7	1.377	2.279	14.8	19.8
9 8	0 16.95	+10 54.5	1.346	2.302	10.3	19.6
9 18	0 8.49	+ 9 50.3	1.337	2.326	5.7	19.4
9 28	23 59.62	+ 8 31.8	1.354	2.351	3.4	19.3
10 8	23 51.58	+ 7 8.6	1.397	2.375	6.6	19.6
10 18	23 45.35	+ 5 50.1	1.466	2.399	10.7	19.9
10 28	23 41.59	+ 4 44.2	1.558	2.422	14.5	20.2

38346 1999 RL_{143} 9 23.8 80°.09 0°.4/23.3 18

8 19	0 25.01	+ 3 40.0	1.708	2.560	15.0	18.4
8 29	0 21.10	+ 2 40.6	1.644	2.569	11.4	18.2
9 8	0 15.16	+ 1 25.5	1.602	2.577	7.1	18.0
9 18	0 7.84	+ 0 0.2	1.585	2.586	2.6	17.7
9 28	0 0.07	− 1 27.4	1.596	2.595	2.2	17.7
10 8	23 52.84	− 2 48.7	1.635	2.604	6.7	18.1
10 18	23 47.02	− 3 56.6	1.699	2.613	10.8	18.3
10 28	23 43.27	− 4 46.3	1.786	2.622	14.3	18.6

276578 2003 SV_{282} 9 23.8 307°.53 2°.7/21.8 17

8 19	0 34.75	− 8 10.7	2.075	2.926	12.8	20.9
8 29	0 28.44	− 8 3.0	1.973	2.897	9.8	20.6
9 8	0 19.91	− 7 56.1	1.895	2.869	6.3	20.4
9 18	0 9.69	− 7 46.3	1.844	2.841	3.2	20.1
9 28	23 58.65	− 7 29.7	1.822	2.813	3.8	20.1
10 8	23 47.86	− 7 3.2	1.829	2.785	7.4	20.3
10 18	23 38.32	− 6 25.3	1.864	2.757	11.2	20.4
10 28	23 30.88	− 5 35.3	1.923	2.730	14.6	20.6

451161 2009 SM_{135} 9 23.8 15°.34 6°.1/19.9 18

8 19	0 38.11	−17 49.2	1.830	2.686	14.0	19.8
8 29	0 30.75	−17 48.4	1.770	2.690	10.9	19.6
9 8	0 21.11	−17 40.2	1.733	2.695	8.0	19.4
9 18	0 10.01	−17 19.3	1.723	2.700	6.2	19.3
9 28	23 58.55	−16 41.6	1.740	2.706	7.0	19.4
10 8	23 47.92	−15 45.9	1.786	2.713	9.7	19.6
10 18	23 39.08	−14 33.6	1.857	2.720	12.7	19.8
10 28	23 32.68	−13 7.6	1.951	2.728	15.4	20.0

288246 2003 YK_{105} 9 23.8 171°.76 5°.5/18.4 18

8 19	0 32.05	−12 58.2	1.957	2.820	12.9	21.3
8 29	0 26.18	−14 5.5	1.896	2.824	9.9	21.1
9 8	0 18.28	−15 12.8	1.860	2.827	7.0	20.9
9 18	0 8.99	−16 12.7	1.850	2.830	5.5	20.8
9 28	23 59.26	−16 58.2	1.868	2.832	6.8	20.9
10 8	23 50.09	−17 24.1	1.913	2.833	9.6	21.1
10 18	23 42.37	−17 28.5	1.983	2.834	12.6	21.3
10 28	23 36.75	−17 11.8	2.075	2.833	15.2	21.5

49199 1998 SQ_{107} 9 23.8 64°.02 0°.5/23.4 18

8 19	0 32.25	− 0 22.2	1.652	2.504	15.4	18.2
8 29	0 26.46	− 0 24.5	1.598	2.523	11.6	18.0
9 8	0 18.47	− 0 36.2	1.567	2.542	7.3	17.8
9 18	0 9.05	− 0 53.5	1.560	2.561	2.6	17.6
9 28	23 59.25	− 1 11.6	1.581	2.580	2.2	17.6
10 8	23 50.21	− 1 25.5	1.629	2.599	6.7	17.9
10 18	23 42.84	− 1 31.2	1.703	2.618	10.7	18.2
10 28	23 37.80	− 1 26.2	1.801	2.637	14.1	18.5

194022 2001 SC_{38} 9 23.8 351°.12 0°.8/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 21.44	+ 2 57.1	1.641	2.503	15.0	19.5
8 29	0 18.59	+ 1 54.0	1.569	2.499	11.4	19.3
9 8	0 13.70	+ 0 34.0	1.518	2.496	7.1	19.0
9 18	0 7.35	− 0 56.9	1.492	2.493	2.5	18.7
9 28	0 0.43	− 2 30.4	1.493	2.491	2.6	18.7
10 8	23 53.97	− 3 57.1	1.520	2.489	7.2	19.0
10 18	23 48.86	− 5 9.1	1.573	2.488	11.4	19.3
10 28	23 45.81	− 6 1.1	1.648	2.488	15.1	19.5

365302 2009 RH_{63} 9 23.8 3°.25 4°.9/28.9 18

8 19	0 22.52	+15 49.5	1.798	2.599	16.4	20.0
8 29	0 19.34	+15 56.3	1.720	2.599	13.5	19.8
9 8	0 14.15	+15 41.0	1.661	2.599	10.2	19.6
9 18	0 7.52	+15 3.7	1.626	2.600	6.9	19.4
9 28	0 0.32	+14 7.5	1.615	2.602	4.9	19.3
10 8	23 53.53	+12 58.6	1.631	2.604	6.3	19.4
10 18	23 48.05	+11 44.8	1.673	2.607	9.5	19.6
10 28	23 44.58	+10 34.4	1.738	2.611	12.8	19.8

273586 2007 CM_{44} 9 23.8 231°.57 1°.0/24.7 18

8 19	0 28.86	+ 5 39.9	1.904	2.735	14.5	22.4
8 29	0 24.05	+ 5 16.8	1.814	2.724	11.3	22.2
9 8	0 17.13	+ 4 38.4	1.746	2.713	7.4	21.9
9 18	0 8.65	+ 3 47.4	1.703	2.701	3.2	21.6
9 28	23 59.48	+ 2 48.7	1.689	2.688	1.8	21.5
10 8	23 50.63	+ 1 49.0	1.702	2.675	6.1	21.8
10 18	23 43.08	+ 0 55.0	1.743	2.662	10.3	22.0
10 28	23 37.58	+ 0 12.2	1.808	2.648	13.9	22.2

158760 2003 QL_{101} 9 23.8 8°.23 1°.6/21.8 18

8 19	0 22.39	− 0 58.7	2.193	3.049	12.0	19.7
8 29	0 18.77	− 1 59.6	2.120	3.050	8.9	19.6
9 8	0 13.56	− 3 10.0	2.072	3.050	5.5	19.3
9 18	0 7.25	− 4 25.0	2.050	3.050	2.2	19.1
9 28	0 0.54	− 5 38.2	2.057	3.051	2.9	19.2
10 8	23 54.19	− 6 43.5	2.092	3.052	6.3	19.4
10 18	23 48.88	− 7 35.9	2.154	3.052	9.6	19.6
10 28	23 45.19	− 8 12.1	2.240	3.053	12.5	19.8

200069 Alastor 9 23.8 322°.65 0°.5/24.8 18

8 19	0 18.76	+ 4 25.3	4.247	5.065	7.4	19.8
8 29	0 15.33	+ 4 13.3	4.158	5.062	5.6	19.7
9 8	0 11.08	+ 3 55.3	4.094	5.058	3.7	19.5
9 18	0 6.28	+ 3 32.8	4.058	5.055	1.6	19.4
9 28	0 1.26	+ 3 7.6	4.052	5.051	0.9	19.3
10 8	23 56.39	+ 2 42.0	4.076	5.048	2.9	19.5
10 18	23 52.03	+ 2 18.1	4.129	5.045	4.9	19.6
10 28	23 48.47	+ 1 58.2	4.210	5.041	6.8	19.7

170502 2003 WM_{7} 9 23.8 80°.05 3°.1/20.2 15

8 19	0 40.29	− 7 38.7	2.650	3.475	11.1	22.7
8 29	0 31.30	− 8 51.2	2.623	3.535	8.2	22.6
9 8	0 20.94	−10 4.6	2.625	3.593	5.2	22.5
9 18	0 9.84	−11 13.3	2.659	3.649	3.2	22.5
9 28	23 58.79	−12 12.0	2.726	3.703	4.0	22.6
10 8	23 48.53	−12 57.3	2.826	3.756	6.5	22.8
10 18	23 39.67	−13 27.2	2.956	3.806	8.9	23.1
10 28	23 32.63	−13 41.7	3.111	3.855	10.9	23.3

353739 2011 YN_{8} 9 23.8 305°.71 1°.7/20.3 18

8 19	0 17.76	− 6 36.7	4.177	5.031	6.8	20.8
8 29	0 14.61	− 7 15.8	4.097	5.025	5.0	20.7
9 8	0 10.64	− 7 57.3	4.043	5.019	3.2	20.6
9 18	0 6.12	− 8 38.7	4.018	5.013	1.8	20.4
9 28	0 1.39	− 9 17.1	4.023	5.007	2.4	20.5
10 8	23 56.82	− 9 50.1	4.058	5.002	4.2	20.6
10 18	23 52.75	−10 15.7	4.120	4.996	6.0	20.7
10 28	23 49.49	−10 32.3	4.208	4.990	7.7	20.9

3001 Michelangelo 9 23.8 300°.19 13°.0/ 4.3 18

8 19	0 32.29	+29 23.9	1.591	2.305	21.6	15.9
8 29	0 27.70	+31 8.3	1.508	2.298	19.5	15.7
9 8	0 20.06	+32 25.6	1.440	2.290	17.1	15.5
9 18	0 9.94	+33 8.2	1.390	2.283	14.8	15.3
9 28	23 58.51	+33 11.1	1.361	2.276	13.3	15.2
10 8	23 47.32	+32 35.1	1.354	2.269	13.1	15.2
10 18	23 37.93	+31 27.0	1.369	2.263	14.4	15.3
10 28	23 31.54	+29 59.0	1.404	2.256	16.5	15.4

97850 2000 QT_{4} 9 23.8 346°.86 0°.1/23.8 18

8 19	0 21.69	+ 3 28.5	1.003	1.893	20.2	18.8
8 29	0 19.94	+ 2 59.9	0.939	1.883	15.5	18.5
9 8	0 15.16	+ 2 8.2	0.893	1.875	10.0	18.2
9 18	0 8.05	+ 0 58.9	0.867	1.868	3.7	17.8
9 28	23 59.97	− 0 17.9	0.862	1.862	2.8	17.7
10 8	23 52.56	− 1 29.4	0.880	1.858	9.1	18.1
10 18	23 47.24	− 2 24.8	0.919	1.855	14.9	18.4
10 28	23 45.02	− 2 56.5	0.976	1.854	19.9	18.7

318357 2004 TY_{337} 9 23.8 11°.39 0°.6/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 23.84	+ 4 46.5	2.044	2.883	13.4	21.1
8 29	0 20.00	+ 4 19.6	1.968	2.884	10.2	20.9
9 8	0 14.41	+ 3 39.5	1.915	2.885	6.6	20.7
9 18	0 7.60	+ 2 49.4	1.888	2.887	2.7	20.5
9 28	0 0.33	+ 1 54.2	1.888	2.888	1.6	20.4
10 8	23 53.46	+ 0 59.9	1.917	2.890	5.5	20.7
10 18	23 47.74	+ 0 12.0	1.972	2.892	9.2	20.9
10 28	23 43.78	− 0 24.9	2.051	2.894	12.4	21.1

4945 Ikenozenni 9 23.8 13°.71 1°.3/24.8 18

8 19	0 15.43	+ 6 58.2	0.869	1.766	21.8	15.0
8 29	0 15.17	+ 6 22.2	0.830	1.776	16.8	14.7
9 8	0 11.99	+ 5 17.5	0.807	1.789	10.9	14.5
9 18	0 6.79	+ 3 51.4	0.804	1.804	4.6	14.2
9 28	0 0.98	+ 2 16.3	0.821	1.822	2.4	14.1
10 8	23 56.08	+ 0 47.2	0.860	1.842	8.3	14.6
10 18	23 53.25	− 0 24.4	0.919	1.864	13.8	15.0
10 28	23 53.20	− 1 11.0	0.997	1.889	18.4	15.3

289365 2005 CP_{3} 9 23.8 295°.85 3°.8/20.1 18

8 19	0 25.99	− 6 29.6	1.740	2.613	13.8	21.1
8 29	0 21.94	− 7 31.8	1.670	2.607	10.3	20.9
9 8	0 15.79	− 8 40.9	1.623	2.602	6.6	20.6
9 18	0 8.15	− 9 49.9	1.601	2.596	3.9	20.5
9 28	23 59.94	−10 50.8	1.607	2.591	5.2	20.5
10 8	23 52.20	−11 36.6	1.638	2.586	8.8	20.7
10 18	23 45.85	−12 2.9	1.695	2.581	12.5	20.9
10 28	23 41.62	−12 7.9	1.772	2.576	15.7	21.2

47273 1999 VE_{145} 9 23.8 196°.70 0°.3/24.0 18

8 19	0 31.83	+ 2 41.0	1.792	2.631	15.0	20.0
8 29	0 26.32	+ 2 27.9	1.713	2.629	11.5	19.8
9 8	0 18.57	+ 2 2.4	1.656	2.627	7.4	19.5
9 18	0 9.20	+ 1 27.5	1.624	2.624	2.8	19.2
9 28	23 59.18	+ 0 48.3	1.621	2.620	1.9	19.2
10 8	23 49.63	+ 0 10.8	1.645	2.616	6.5	19.5
10 18	23 41.55	− 0 19.5	1.696	2.612	10.7	19.7
10 28	23 35.71	− 0 38.2	1.771	2.606	14.4	19.9

6329 Hikonejyo 9 23.8 192°.58 4°.3/19.9 18

8 19	0 30.18	− 6 56.0	1.673	2.542	14.5	17.4
8 29	0 25.16	− 8 8.4	1.606	2.541	10.9	17.1
9 8	0 17.86	− 9 27.8	1.562	2.539	7.1	16.9
9 18	0 8.94	−10 46.3	1.543	2.537	4.3	16.7
9 28	23 59.41	−11 54.9	1.552	2.534	5.8	16.8
10 8	23 50.43	−12 46.1	1.587	2.530	9.4	17.0
10 18	23 43.01	−13 15.5	1.647	2.526	13.2	17.3
10 28	23 37.90	−13 21.7	1.728	2.521	16.5	17.5

316141 2009 SM_{248} 9 23.8 284°.41 1°.9/20.4 16

8 19	0 22.00	− 9 18.0	4.301	5.150	6.7	20.8
8 29	0 17.71	− 9 32.0	4.219	5.143	5.0	20.7
9 8	0 12.57	− 9 46.6	4.163	5.135	3.3	20.6
9 18	0 6.85	− 9 59.6	4.136	5.128	2.0	20.5
9 28	0 0.92	−10 9.0	4.139	5.120	2.5	20.5
10 8	23 55.17	−10 12.8	4.172	5.113	4.2	20.6
10 18	23 49.96	−10 9.7	4.234	5.106	6.0	20.7
10 28	23 45.61	− 9 58.9	4.322	5.098	7.6	20.9

261982 2006 QF_{21} 9 23.8 54°.61 0°.1/23.7 17

8 19	0 27.75	+ 4 3.8	1.197	2.065	19.1	20.6
8 29	0 23.78	+ 3 19.0	1.150	2.082	14.4	20.4
9 8	0 17.12	+ 2 14.4	1.122	2.099	9.1	20.2
9 18	0 8.65	+ 0 56.7	1.116	2.117	3.4	19.9
9 28	23 59.69	− 0 23.9	1.135	2.135	2.5	19.9
10 8	23 51.65	− 1 37.0	1.179	2.153	8.0	20.3
10 18	23 45.62	− 2 34.0	1.247	2.172	12.9	20.6
10 28	23 42.35	− 3 10.0	1.335	2.191	17.0	20.9

446267 2013 KD_{14} 9 23.8 315°.18 7°.7/14.7 18

8 19	0 26.79	−22 10.8	2.189	3.054	11.7	20.5
8 29	0 22.16	−23 22.5	2.135	3.051	9.6	20.4
9 8	0 15.74	−24 27.2	2.105	3.048	8.0	20.3
9 18	0 8.09	−25 18.0	2.100	3.044	7.8	20.3
9 28	0 0.05	−25 48.8	2.121	3.041	8.9	20.4
10 8	23 52.49	−25 56.1	2.166	3.038	10.9	20.5
10 18	23 46.18	−25 39.5	2.235	3.035	13.1	20.6
10 28	23 41.73	−25 0.6	2.323	3.032	15.1	20.8

426119 2012 FW_{70} 9 23.8 122°.52 0°.6/24.4 17

8 19	0 29.23	+ 5 50.3	1.673	2.511	15.9	21.7
8 29	0 24.31	+ 5 6.2	1.610	2.525	12.2	21.5
9 8	0 17.23	+ 4 4.9	1.569	2.538	7.9	21.3
9 18	0 8.67	+ 2 50.8	1.552	2.551	3.2	21.0
9 28	23 59.65	+ 1 31.3	1.563	2.563	1.9	20.9
10 8	23 51.26	+ 0 14.7	1.602	2.575	6.4	21.3
10 18	23 44.42	− 0 51.6	1.667	2.586	10.7	21.5
10 28	23 39.82	− 1 42.1	1.756	2.596	14.3	21.8

409721 2006 BX_{262} 9 23.8 185°.85 1°.3/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 26.58	+ 6 9.0	2.689	3.504	11.2	21.2
8 29	0 21.67	+ 6 6.6	2.604	3.503	8.7	21.0
9 8	0 15.31	+ 5 54.1	2.542	3.503	5.8	20.8
9 18	0 7.94	+ 5 33.2	2.508	3.502	2.8	20.6
9 28	0 0.17	+ 5 6.5	2.503	3.501	1.6	20.5
10 8	23 52.69	+ 4 37.6	2.527	3.500	4.4	20.7
10 18	23 46.13	+ 4 10.3	2.580	3.499	7.4	20.9
10 28	23 41.00	+ 3 48.0	2.660	3.497	10.1	21.1

145668 1071 T_{-1} 9 23.8 248°.26 0°.6/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.39	+ 4 8.5	1.720	2.562	15.4	20.6
8 29	0 24.69	+ 3 50.0	1.633	2.550	11.9	20.3
9 8	0 17.68	+ 3 16.5	1.567	2.538	7.8	20.1
9 18	0 8.94	+ 2 30.9	1.526	2.525	3.1	19.7
9 28	23 59.42	+ 1 38.7	1.513	2.513	1.9	19.6
10 8	23 50.26	+ 0 46.7	1.526	2.499	6.7	19.9
10 18	23 42.52	+ 0 1.9	1.566	2.486	11.1	20.1
10 28	23 37.05	− 0 30.4	1.629	2.472	15.0	20.4

175758 1998 SH_{21} 9 23.8 126°.39 0°.8/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 31.02	+ 0 52.6	1.767	2.614	14.8	20.8
8 29	0 25.54	+ 0 19.5	1.705	2.627	11.2	20.6
9 8	0 17.96	− 0 25.1	1.665	2.639	7.0	20.4
9 18	0 8.95	− 1 16.4	1.651	2.652	2.5	20.2
9 28	23 59.50	− 2 8.2	1.665	2.663	2.4	20.2
10 8	23 50.68	− 2 54.0	1.707	2.674	6.7	20.5
10 18	23 43.37	− 3 28.7	1.775	2.685	10.7	20.8
10 28	23 38.26	− 3 48.8	1.867	2.695	14.1	21.0

7013 Trachet 9 23.8 46°.50 0°.1/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.72	+ 2 44.2	1.743	2.593	14.8	17.3
8 29	0 22.41	+ 2 20.8	1.676	2.598	11.3	17.1
9 8	0 16.05	+ 1 44.4	1.631	2.604	7.2	16.9
9 18	0 8.26	+ 0 58.8	1.610	2.611	2.7	16.6
9 28	23 59.98	+ 0 9.9	1.617	2.617	1.9	16.6
10 8	23 52.23	− 0 35.9	1.651	2.623	6.4	16.9
10 18	23 45.90	− 1 13.0	1.711	2.630	10.4	17.1
10 28	23 41.65	− 1 37.0	1.794	2.637	13.9	17.4

296253 2009 DM_{23} 9 23.8 133°.66 1°.3/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.13	+ 0 57.0	1.412	2.275	16.9	21.5
8 29	0 24.68	+ 0 6.4	1.348	2.279	12.8	21.3
9 8	0 17.70	− 0 59.8	1.305	2.284	8.0	21.0
9 18	0 8.92	− 2 15.0	1.286	2.288	2.9	20.7
9 28	23 59.51	− 3 30.2	1.294	2.291	3.2	20.8
10 8	23 50.77	− 4 36.0	1.327	2.295	8.2	21.1
10 18	23 43.81	− 5 25.3	1.385	2.298	12.8	21.4
10 28	23 39.42	− 5 53.7	1.464	2.301	16.8	21.6

395822 2012 XB_{53} 9 23.8 307°.51 7°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.86	−13 14.5	1.558	2.443	14.4	20.5
8 29	0 22.36	−14 36.9	1.477	2.417	11.3	20.3
9 8	0 16.38	−16 2.9	1.418	2.390	8.3	20.0
9 18	0 8.51	−17 22.8	1.383	2.363	7.0	19.9
9 28	23 59.75	−18 26.1	1.373	2.337	8.8	19.9
10 8	23 51.32	−19 4.2	1.388	2.311	12.3	20.1
10 18	23 44.41	−19 13.1	1.424	2.285	16.0	20.2
10 28	23 39.93	−18 52.4	1.479	2.260	19.3	20.4

5481 Kiuchi 9 23.8 140°.38 2°.5/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 31.32	+ 7 55.6	1.614	2.443	16.8	17.2
8 29	0 26.13	+ 7 59.5	1.542	2.448	13.2	17.0
9 8	0 18.55	+ 7 46.0	1.491	2.452	9.0	16.7
9 18	0 9.24	+ 7 16.7	1.463	2.456	4.6	16.5
9 28	23 59.28	+ 6 35.9	1.462	2.460	2.7	16.4
10 8	23 49.89	+ 5 50.1	1.489	2.464	6.5	16.6
10 18	23 42.13	+ 5 6.4	1.541	2.468	10.8	16.9
10 28	23 36.81	+ 4 31.2	1.616	2.471	14.6	17.1

130240 2000 CD_{41} 9 23.8 251°.21 1°.0/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.26	+ 5 31.8	2.587	3.409	11.4	20.5
8 29	0 20.82	+ 5 19.1	2.493	3.397	8.8	20.3
9 8	0 14.86	+ 4 55.7	2.421	3.385	5.9	20.1
9 18	0 7.81	+ 4 23.4	2.377	3.373	2.6	19.9
9 28	0 0.30	+ 3 45.6	2.361	3.361	1.5	19.8
10 8	23 53.01	+ 3 6.3	2.375	3.348	4.6	20.0
10 18	23 46.63	+ 2 29.7	2.418	3.336	7.8	20.2
10 28	23 41.70	+ 1 59.9	2.486	3.323	10.7	20.4

214281 2005 GC_{88} 9 23.8 240°.25 2°.8/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.10	+11 25.2	2.117	2.923	14.1	21.2
8 29	0 21.81	+11 10.4	2.024	2.913	11.3	21.0
9 8	0 15.67	+10 38.0	1.952	2.903	8.0	20.7
9 18	0 8.16	+ 9 49.2	1.905	2.892	4.6	20.5
9 28	0 0.04	+ 8 47.7	1.886	2.881	2.8	20.4
10 8	23 52.22	+ 7 39.4	1.895	2.870	5.4	20.5
10 18	23 45.52	+ 6 30.8	1.932	2.859	8.9	20.7
10 28	23 40.64	+ 5 28.6	1.994	2.847	12.3	20.9

117427 2005 AY_{21} 9 23.8 242°.29 7°.5/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 29.43	+21 58.5	2.033	2.777	16.6	19.9
8 29	0 24.61	+22 43.0	1.941	2.770	14.3	19.8
9 8	0 17.60	+23 6.0	1.868	2.764	11.6	19.6
9 18	0 8.93	+23 4.9	1.817	2.756	9.1	19.4
9 28	23 59.47	+22 39.3	1.791	2.749	7.6	19.3
10 8	23 50.30	+21 52.5	1.791	2.742	8.0	19.3
10 18	23 42.41	+20 50.8	1.817	2.734	10.1	19.4
10 28	23 36.63	+19 42.5	1.868	2.726	12.7	19.6

1922 Zulu 9 23.8 49°.81 9°.9/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 31.27	+40 16.6	2.127	2.722	19.6	17.1
8 29	0 25.49	+40 0.3	2.080	2.773	17.6	17.0
9 8	0 17.70	+39 10.5	2.047	2.824	15.3	17.0
9 18	0 8.76	+37 45.5	2.033	2.875	13.0	16.9
9 28	23 59.76	+35 47.6	2.041	2.925	11.1	16.9
10 8	23 51.72	+33 24.2	2.075	2.975	10.0	16.9
10 18	23 45.42	+30 45.4	2.136	3.024	10.2	17.0
10 28	23 41.35	+28 2.9	2.225	3.073	11.4	17.2

394456 2007 RA_{190} 9 23.8 329°.70 0°.9/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.88	+ 4 23.0	1.458	2.325	16.3	20.2
8 29	0 17.78	+ 3 0.4	1.377	2.311	12.4	20.0
9 8	0 13.42	+ 1 14.7	1.318	2.298	7.8	19.7
9 18	0 7.38	− 0 47.5	1.283	2.285	2.8	19.3
9 28	0 0.61	− 2 55.2	1.275	2.273	2.9	19.3
10 8	23 54.25	− 4 55.6	1.292	2.262	8.1	19.6
10 18	23 49.34	− 6 37.8	1.334	2.252	12.9	19.8
10 28	23 46.70	− 7 54.2	1.397	2.242	17.0	20.1

433672 2014 DK_{32} 9 23.8 325°.24 1°.6/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 18.90	− 5 58.2	4.048	4.900	7.0	21.1
8 29	0 15.49	− 6 29.0	3.970	4.897	5.2	21.0
9 8	0 11.23	− 7 2.2	3.919	4.895	3.3	20.8
9 18	0 6.40	− 7 35.4	3.896	4.892	1.7	20.7
9 28	0 1.37	− 8 6.0	3.903	4.890	2.2	20.8
10 8	23 56.51	− 8 31.6	3.939	4.888	4.1	20.9
10 18	23 52.18	− 8 50.2	4.004	4.886	6.0	21.0
10 28	23 48.71	− 9 0.5	4.094	4.884	7.7	21.2

361500 2007 ER_{75} 9 23.8 81°.82 0°.9/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.92	+ 8 21.2	2.354	3.173	12.5	20.7
8 29	0 19.00	+ 7 17.5	2.289	3.192	9.6	20.5
9 8	0 13.63	+ 5 59.1	2.247	3.211	6.3	20.4
9 18	0 7.32	+ 4 29.8	2.233	3.229	2.8	20.2
9 28	0 0.73	+ 2 55.5	2.248	3.248	1.4	20.1
10 8	23 54.55	+ 1 22.9	2.293	3.266	4.7	20.4
10 18	23 49.41	− 0 1.9	2.367	3.284	8.0	20.6
10 28	23 45.78	− 1 13.9	2.466	3.302	10.8	20.8

30510 2001 DM_{44} 9 23.8 337°.67 1°.1/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.22	+ 6 29.5	3.871	4.680	8.2	18.9
8 29	0 16.54	+ 6 27.5	3.779	4.675	6.3	18.7
9 8	0 11.93	+ 6 18.4	3.712	4.670	4.3	18.6
9 18	0 6.68	+ 6 3.4	3.673	4.666	2.1	18.4
9 28	0 1.17	+ 5 44.2	3.663	4.661	1.2	18.3
10 8	23 55.83	+ 5 23.2	3.683	4.657	3.1	18.5
10 18	23 51.05	+ 5 2.6	3.733	4.652	5.3	18.6
10 28	23 47.17	+ 4 45.0	3.809	4.648	7.2	18.8

437164 2012 VX_{46} 9 23.8 23°.46 0°.1/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.33	+ 3 37.6	1.574	2.430	15.9	21.0
8 29	0 21.61	+ 2 56.9	1.506	2.432	12.1	20.7
9 8	0 15.68	+ 1 59.8	1.459	2.434	7.7	20.5
9 18	0 8.18	+ 0 51.3	1.436	2.437	2.9	20.2
9 28	0 0.11	− 0 21.3	1.440	2.440	2.1	20.2
10 8	23 52.57	− 1 29.4	1.471	2.443	6.9	20.5
10 18	23 46.55	− 2 25.9	1.526	2.446	11.3	20.8
10 28	23 42.77	− 3 5.4	1.604	2.450	15.1	21.0

349972 2010 EW_{66} 9 23.8 358°.09 1°.0/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.76	− 4 47.0	0.989	1.883	20.0	18.5
8 29	0 26.92	− 3 49.5	0.929	1.876	15.3	18.2
9 8	0 19.64	− 2 55.0	0.887	1.870	9.8	17.8
9 18	0 9.79	− 2 1.4	0.866	1.867	3.7	17.5
9 28	23 58.95	− 1 6.0	0.867	1.866	3.1	17.5
10 8	23 48.99	− 0 6.7	0.891	1.868	9.2	17.8
10 18	23 41.48	+ 0 57.5	0.936	1.872	14.8	18.1
10 28	23 37.45	+ 2 8.0	1.001	1.878	19.6	18.5

43909 1995 WB_9 9 23.8 266°.54 9°.5/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.09	+32 27.6	2.061	2.737	18.3	18.5
8 29	0 21.46	+32 34.8	1.958	2.723	16.4	18.3
9 8	0 15.66	+32 11.4	1.870	2.710	14.2	18.1
9 18	0 8.22	+31 13.7	1.802	2.696	11.9	18.0
9 28	0 0.05	+29 40.7	1.756	2.682	10.1	17.8
10 8	23 52.20	+27 37.0	1.735	2.668	9.6	17.8
10 18	23 45.69	+25 11.2	1.742	2.654	10.7	17.8
10 28	23 41.32	+22 35.4	1.774	2.639	12.9	17.9

125547 2001 XJ_3 9 23.8 14°.53 3°.1/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 24.46	− 2 41.9	1.312	2.196	16.7	18.8
8 29	0 21.29	− 3 47.9	1.255	2.198	12.5	18.5
9 8	0 15.61	− 5 6.5	1.218	2.201	7.8	18.3
9 18	0 8.18	− 6 29.2	1.205	2.205	3.6	18.1
9 28	0 0.14	− 7 45.6	1.217	2.209	4.9	18.2
10 8	23 52.78	− 8 46.2	1.253	2.214	9.4	18.4
10 18	23 47.17	− 9 24.6	1.312	2.220	13.9	18.7
10 28	23 44.08	− 9 38.3	1.392	2.226	17.6	19.0

276679 2003 XL_{18} 9 23.8 334°.17 4°.7/27.2 17

8 19	0 27.13	+10 47.8	1.711	2.532	16.4	19.8
8 29	0 23.22	+11 39.7	1.614	2.509	13.4	19.5
9 8	0 16.93	+12 16.8	1.538	2.487	9.9	19.3
9 18	0 8.77	+12 37.7	1.485	2.466	6.4	19.0
9 28	23 59.64	+12 42.5	1.457	2.447	4.8	18.9
10 8	23 50.70	+12 34.4	1.455	2.428	7.0	19.0
10 18	23 43.09	+12 18.5	1.478	2.410	10.8	19.1
10 28	23 37.77	+12 1.2	1.525	2.393	14.5	19.3

197624 2004 JO_{43} 9 23.8 152°.97 0°.6/25.2 18

8 19	0 17.53	+ 5 59.9	4.707	5.517	6.8	20.4
8 29	0 14.37	+ 5 37.2	4.621	5.519	5.2	20.3
9 8	0 10.49	+ 5 8.3	4.560	5.521	3.5	20.1
9 18	0 6.14	+ 4 34.6	4.528	5.524	1.6	20.0
9 28	0 1.61	+ 3 58.1	4.527	5.526	0.8	19.9
10 8	23 57.22	+ 3 21.0	4.555	5.528	2.6	20.1
10 18	23 53.28	+ 2 45.6	4.614	5.530	4.4	20.2
10 28	23 50.06	+ 2 13.8	4.699	5.532	6.1	20.4

152644 1997 SZ_6 9 23.8 188°.38 0°.3/24.0 18

8 19	0 30.21	+ 2 51.1	1.762	2.605	15.0	21.1
8 29	0 25.13	+ 2 35.5	1.686	2.605	11.5	20.9
9 8	0 17.86	+ 2 7.0	1.632	2.604	7.4	20.7
9 18	0 9.01	+ 1 28.9	1.603	2.603	2.9	20.4
9 28	23 59.55	+ 0 46.5	1.602	2.602	1.9	20.3
10 8	23 50.57	+ 0 6.0	1.629	2.601	6.5	20.6
10 18	23 43.05	− 0 26.9	1.682	2.599	10.7	20.9
10 28	23 37.74	− 0 47.9	1.758	2.597	14.3	21.1

355535 2008 AS_{107} 9 23.8 234°.81 1°.8/25.7 18

8 19	0 26.13	+ 7 51.2	2.099	2.921	13.7	21.1
8 29	0 21.79	+ 7 37.2	2.014	2.917	10.7	20.9
9 8	0 15.62	+ 7 8.4	1.951	2.912	7.3	20.7
9 18	0 8.16	+ 6 26.9	1.914	2.908	3.6	20.5
9 28	0 0.16	+ 5 36.6	1.905	2.904	2.0	20.4
10 8	23 52.50	+ 4 43.1	1.924	2.899	5.3	20.6
10 18	23 45.98	+ 3 52.1	1.970	2.894	9.0	20.8
10 28	23 41.27	+ 3 9.1	2.041	2.890	12.2	21.0

217825 2001 FU_{88} 9 23.8 185°.72 0°.4/23.5 17

8 19	0 29.41	+ 2 37.2	1.840	2.683	14.5	21.5
8 29	0 24.44	+ 1 55.5	1.764	2.683	11.0	21.3
9 8	0 17.37	+ 1 0.0	1.709	2.683	7.0	21.0
9 18	0 8.82	− 0 4.9	1.681	2.682	2.5	20.7
9 28	23 59.70	− 1 12.6	1.681	2.680	2.1	20.7
10 8	23 51.03	− 2 15.9	1.709	2.678	6.6	21.0
10 18	23 43.74	− 3 8.5	1.764	2.675	10.7	21.2
10 28	23 38.56	− 3 45.8	1.842	2.671	14.2	21.5

295214 2008 FY_{130} 9 23.8 80°.04 2°.1/21.4 18

8 19	0 23.75	− 2 12.8	2.102	2.961	12.3	20.4
8 29	0 19.87	− 3 15.6	2.036	2.966	9.1	20.2
9 8	0 14.32	− 4 27.1	1.993	2.971	5.7	20.0
9 18	0 7.64	− 5 41.8	1.977	2.976	2.5	19.8
9 28	0 0.56	− 6 53.1	1.989	2.981	3.3	19.9
10 8	23 53.90	− 7 54.7	2.030	2.986	6.7	20.1
10 18	23 48.36	− 8 42.1	2.097	2.991	10.1	20.3
10 28	23 44.52	− 9 12.3	2.187	2.996	12.9	20.5

296750 2009 UW_{13} 9 23.8 315°.08 0°.9/22.6 18

8 19	0 21.80	+ 1 59.5	2.185	3.035	12.3	19.9
8 29	0 18.42	+ 0 51.8	2.106	3.031	9.2	19.7
9 8	0 13.44	− 0 28.5	2.051	3.027	5.7	19.5
9 18	0 7.33	− 1 56.6	2.022	3.023	2.1	19.3
9 28	0 0.78	− 3 25.7	2.023	3.020	2.3	19.3
10 8	23 54.56	− 4 48.9	2.052	3.016	6.0	19.5
10 18	23 49.36	− 6 0.1	2.108	3.013	9.5	19.7
10 28	23 45.77	− 6 55.0	2.188	3.009	12.5	19.9

7423 1992 PT_2 9 23.8 342°.37 3°.3/26.3 18

8 19	0 23.53	+ 9 34.7	1.156	2.015	20.2	16.9
8 29	0 21.14	+ 9 33.7	1.085	2.006	16.1	16.7
9 8	0 15.87	+ 9 6.9	1.031	1.998	11.2	16.4
9 18	0 8.41	+ 8 15.4	0.997	1.991	6.0	16.1
9 28	23 59.98	+ 7 5.5	0.987	1.985	3.5	15.9
10 8	23 52.11	+ 5 47.5	1.000	1.980	7.8	16.1
10 18	23 46.16	+ 4 33.2	1.035	1.976	13.1	16.4
10 28	23 43.13	+ 3 32.8	1.090	1.973	17.8	16.7

310382 1995 QD_6 9 23.8 12°.88 3°.6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 20.00	+21 17.4	4.445	5.160	8.6	20.5
8 29	0 16.34	+21 29.7	4.349	5.161	7.3	20.4
9 8	0 11.80	+21 31.1	4.275	5.161	5.9	20.3
9 18	0 6.66	+21 21.6	4.226	5.161	4.5	20.2
9 28	0 1.28	+21 2.0	4.205	5.161	3.7	20.1
10 8	23 56.03	+20 34.0	4.213	5.161	3.9	20.1
10 18	23 51.30	+20 0.0	4.250	5.161	4.9	20.2
10 28	23 47.42	+19 22.9	4.313	5.161	6.3	20.3

347977 2003 SE_{80} 9 23.8 344°.04 7°.4/30.4 18

8 19	0 21.75	+18 44.7	1.370	2.180	20.3	19.8
8 29	0 19.54	+19 13.6	1.290	2.169	17.1	19.5
9 8	0 14.75	+19 13.5	1.227	2.159	13.5	19.3
9 18	0 7.97	+18 41.8	1.183	2.150	9.9	19.1
9 28	0 0.29	+17 39.9	1.162	2.143	7.5	18.9
10 8	23 53.03	+16 15.3	1.164	2.136	8.5	19.0
10 18	23 47.43	+14 38.6	1.190	2.131	11.8	19.1
10 28	23 44.45	+13 2.8	1.237	2.127	15.7	19.4

420312 2011 YW_{60} 9 23.8 279°.17 1°.2/24.8 17

8 19	0 27.08	+ 6 38.4	1.339	2.192	18.3	21.4
8 29	0 23.52	+ 6 7.7	1.260	2.182	14.3	21.1
9 8	0 17.25	+ 5 14.4	1.201	2.172	9.5	20.8
9 18	0 8.90	+ 4 2.0	1.164	2.162	4.1	20.5
9 28	23 59.64	+ 2 38.1	1.152	2.152	2.2	20.3
10 8	23 50.85	+ 1 13.3	1.165	2.142	7.7	20.6
10 18	23 43.82	− 0 1.9	1.203	2.132	12.9	20.9
10 28	23 39.50	− 0 59.1	1.262	2.122	17.5	21.2

347342 2012 PC_{31} 9 23.8 337°.84 0°.4/23.5 18

8 19	0 19.76	+ 3 34.2	1.174	2.057	18.3	20.0
8 29	0 18.21	+ 2 50.5	1.099	2.040	14.1	19.7
9 8	0 13.99	+ 1 44.1	1.043	2.024	9.0	19.3
9 18	0 7.71	+ 0 20.4	1.008	2.010	3.3	19.0
9 28	0 0.49	− 1 10.6	0.997	1.997	2.8	18.9
10 8	23 53.75	− 2 36.5	1.009	1.985	8.7	19.2
10 18	23 48.77	− 3 46.3	1.043	1.975	14.1	19.5
10 28	23 46.51	− 4 32.1	1.096	1.966	18.8	19.7

26010 2001 FN_{129} 9 23.8 57°.40 1°.4/22.8 18 R

8 19	0 29.03	+ 0 55.0	1.258	2.129	18.1	18.6
8 29	0 24.59	+ 0 5.3	1.215	2.150	13.6	18.4
9 8	0 17.56	− 0 59.3	1.192	2.172	8.4	18.1
9 18	0 8.87	− 2 11.3	1.193	2.194	3.0	17.9
9 28	23 59.79	− 3 21.1	1.219	2.217	3.2	18.0
10 8	23 51.64	− 4 19.7	1.270	2.239	8.3	18.3
10 18	23 45.48	− 5 0.6	1.345	2.262	12.8	18.7
10 28	23 41.97	− 5 20.7	1.441	2.285	16.6	19.0

438202 2005 UE_{129} 9 23.8 273°.45 2°.4/26.1 18

8 19	0 26.58	+ 9 28.0	1.703	2.531	16.1	21.7
8 29	0 22.69	+ 9 10.2	1.610	2.515	12.8	21.5
9 8	0 16.52	+ 8 32.1	1.538	2.499	8.9	21.2
9 18	0 8.61	+ 7 35.4	1.489	2.482	4.6	20.9
9 28	23 59.87	+ 6 24.9	1.467	2.465	2.6	20.8
10 8	23 51.42	+ 5 8.1	1.472	2.448	6.4	21.0
10 18	23 44.34	+ 3 53.8	1.502	2.431	10.8	21.2
10 28	23 39.49	+ 2 49.9	1.556	2.414	14.9	21.4

217744 2000 CK_{38} 9 23.8 306°.45 2°.0/22.2 18

8 19	0 26.58	− 0 51.9	1.414	2.287	16.4	20.0
8 29	0 22.92	− 1 40.4	1.341	2.278	12.4	19.8
9 8	0 16.73	− 2 43.1	1.289	2.270	7.8	19.5
9 18	0 8.68	− 3 53.7	1.261	2.262	3.0	19.2
9 28	23 59.85	− 5 3.2	1.258	2.254	3.7	19.2
10 8	23 51.53	− 6 2.3	1.280	2.246	8.7	19.5
10 18	23 44.87	− 6 43.9	1.326	2.239	13.3	19.7
10 28	23 40.75	− 7 3.9	1.393	2.232	17.4	20.0

69459 1996 TX_{62} 9 23.8 254°.89 1°.4/22.8 18 R

8 19	0 31.19	− 1 0.2	1.473	2.335	16.4	19.6
8 29	0 26.34	− 1 22.7	1.398	2.329	12.5	19.3
9 8	0 18.87	− 1 56.9	1.345	2.323	7.9	19.0
9 18	0 9.48	− 2 37.8	1.315	2.316	2.9	18.7
9 28	23 59.30	− 3 18.6	1.312	2.310	3.1	18.7
10 8	23 49.65	− 3 51.9	1.335	2.303	8.1	19.0
10 18	23 41.74	− 4 12.0	1.383	2.296	12.8	19.3
10 28	23 36.43	− 4 15.3	1.451	2.290	16.8	19.5

87762 2000 SN_{89} 9 23.8 232°.82 2°.6/21.1 18

8 19	0 28.03	− 6 33.6	2.324	3.179	11.4	19.1
8 29	0 23.01	− 7 3.9	2.245	3.173	8.6	19.0
9 8	0 16.30	− 7 38.2	2.190	3.166	5.5	18.7
9 18	0 8.41	− 8 12.0	2.163	3.159	2.9	18.6
9 28	0 0.08	− 8 40.8	2.164	3.152	3.7	18.6
10 8	23 52.09	− 9 0.2	2.194	3.145	6.7	18.8
10 18	23 45.18	− 9 7.4	2.251	3.138	9.8	19.0
10 28	23 39.96	− 9 0.9	2.332	3.130	12.6	19.2

491012 2011 KH_{12} 9 23.8 97°.38 7°.5/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 26.85	+23 26.3	1.806	2.556	18.2	20.6
8 29	0 22.74	+23 40.7	1.729	2.562	15.6	20.4
9 8	0 16.42	+23 27.8	1.670	2.569	12.6	20.2
9 18	0 8.53	+22 45.8	1.632	2.576	9.6	20.1
9 28	0 0.02	+21 36.5	1.619	2.583	7.7	20.0
10 8	23 52.00	+20 6.4	1.631	2.589	7.9	20.0
10 18	23 45.45	+18 24.3	1.669	2.596	10.1	20.1
10 28	23 41.13	+16 41.0	1.732	2.602	13.0	20.3

149173 2002 HO_{13} 9 23.8 108°.11 4°.7/16.9 18

8 19	0 23.83	−11 20.6	2.486	3.352	10.4	19.8
8 29	0 19.67	−13 7.5	2.437	3.368	7.8	19.6
9 8	0 14.09	−14 55.6	2.414	3.383	5.6	19.5
9 18	0 7.56	−16 37.9	2.420	3.397	4.7	19.5
9 28	0 0.74	−18 7.5	2.456	3.412	5.9	19.6
10 8	23 54.30	−19 19.3	2.519	3.426	8.2	19.8
10 18	23 48.86	−20 10.5	2.609	3.440	10.5	19.9
10 28	23 44.90	−20 40.4	2.720	3.453	12.6	20.1

482395 2012 BN_{12} 9 23.8 248°.60 4°.1/28.2 17

8 19	0 27.26	+14 21.5	2.386	3.167	13.5	22.0
8 29	0 22.56	+14 38.0	2.289	3.157	11.0	21.8
9 8	0 16.12	+14 39.0	2.215	3.148	8.3	21.6
9 18	0 8.40	+14 24.2	2.166	3.138	5.5	21.4
9 28	0 0.10	+13 55.2	2.144	3.129	4.1	21.3
10 8	23 52.04	+13 15.7	2.150	3.119	5.4	21.4
10 18	23 44.99	+12 30.6	2.184	3.109	8.2	21.5
10 28	23 39.61	+11 45.7	2.244	3.099	11.0	21.7

514953 2008 YZ_{169} 9 23.8 280°.83 1°.2/22.7 18

8 19	0 26.18	+ 0 7.2	1.791	2.648	14.2	21.9
8 29	0 22.16	− 0 33.4	1.708	2.637	10.8	21.6
9 8	0 16.05	− 1 26.1	1.648	2.625	6.7	21.4
9 18	0 8.41	− 2 26.4	1.612	2.613	2.5	21.1
9 28	0 0.10	− 3 27.6	1.604	2.602	2.7	21.1
10 8	23 52.16	− 4 22.4	1.624	2.590	7.1	21.3
10 18	23 45.53	− 5 5.0	1.669	2.578	11.2	21.6
10 28	23 40.97	− 5 30.9	1.736	2.567	14.8	21.8

511752 2015 DQ_{144} 9 23.8 291°.29 0°.3/23.6 17

8 19	0 25.38	+ 4 18.8	1.329	2.194	17.7	21.6
8 29	0 22.25	+ 3 25.9	1.251	2.181	13.6	21.3
9 8	0 16.46	+ 2 10.8	1.191	2.169	8.8	21.0
9 18	0 8.64	+ 0 38.7	1.155	2.156	3.3	20.6
9 28	23 59.91	− 1 0.7	1.144	2.144	2.6	20.5
10 8	23 51.64	− 2 35.5	1.159	2.132	8.3	20.8
10 18	23 45.07	− 3 55.0	1.197	2.120	13.5	21.1
10 28	23 41.17	− 4 51.7	1.255	2.108	18.0	21.3

70779 1999 VT_{41} 9 23.8 36°.58 6°.7/19.3 18

8 19	0 34.39	−15 37.6	1.550	2.422	15.2	18.7
8 29	0 28.40	−16 9.2	1.497	2.428	11.8	18.5
9 8	0 19.91	−16 36.5	1.466	2.434	8.5	18.3
9 18	0 9.78	−16 51.8	1.460	2.440	6.7	18.3
9 28	23 59.21	−16 48.8	1.479	2.447	7.8	18.3
10 8	23 49.48	−16 24.1	1.524	2.454	10.8	18.5
10 18	23 41.63	−15 38.2	1.592	2.461	14.2	18.8
10 28	23 36.38	−14 33.2	1.682	2.469	17.1	19.0

274566 2008 SR_{291} 9 23.8 312°.96 2°.3/28.4 18

8 19	0 18.81	+13 54.6	4.223	4.993	8.2	19.8
8 29	0 15.48	+13 51.1	4.126	4.988	6.7	19.7
9 8	0 11.28	+13 38.2	4.052	4.983	4.9	19.5
9 18	0 6.50	+13 16.7	4.005	4.978	3.2	19.4
9 28	0 1.48	+12 47.9	3.987	4.973	2.3	19.3
10 8	23 56.60	+12 14.1	3.998	4.968	3.1	19.4
10 18	23 52.23	+11 37.8	4.039	4.963	4.8	19.5
10 28	23 48.69	+11 1.9	4.107	4.958	6.5	19.6

326009 2010 WZ_{33} 9 23.8 60°.27 3°.7/21.1 17

8 19	0 30.93	− 4 57.2	1.235	2.116	17.7	20.0
8 29	0 26.08	− 5 51.4	1.194	2.135	13.2	19.8
9 8	0 18.55	− 6 53.6	1.173	2.154	8.3	19.6
9 18	0 9.27	− 7 55.1	1.176	2.174	4.1	19.4
9 28	23 59.60	− 8 46.5	1.204	2.194	5.3	19.5
10 8	23 50.94	− 9 20.1	1.256	2.214	9.7	19.9
10 18	23 44.35	− 9 32.3	1.331	2.234	14.0	20.2
10 28	23 40.53	− 9 22.4	1.426	2.254	17.6	20.5

66772 1999 TH_{217} 9 23.8 35°.53 4°.7/30.0 18

8 19	0 21.51	+19 51.5	1.916	2.692	16.4	19.1
8 29	0 18.45	+19 6.5	1.841	2.701	13.6	19.0
9 8	0 13.56	+17 54.5	1.785	2.711	10.3	18.8
9 18	0 7.42	+16 17.3	1.752	2.721	7.0	18.6
9 28	0 0.85	+14 20.3	1.746	2.732	4.8	18.5
10 8	23 54.75	+12 12.2	1.769	2.743	5.8	18.6
10 18	23 49.91	+10 3.4	1.819	2.754	8.8	18.8
10 28	23 46.93	+ 8 3.4	1.896	2.766	12.0	19.0

265252 2004 EG_{47} 9 23.8 285°.77 1°.0/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.09	+ 1 23.5	1.490	2.353	16.3	21.1
8 29	0 23.37	+ 0 42.8	1.403	2.334	12.4	20.8
9 8	0 17.11	− 0 14.5	1.337	2.315	7.9	20.5
9 18	0 8.89	− 1 23.3	1.294	2.296	2.9	20.2
9 28	23 59.74	− 2 35.9	1.278	2.276	2.9	20.1
10 8	23 50.92	− 3 42.8	1.287	2.257	8.1	20.4
10 18	23 43.64	− 4 35.8	1.321	2.238	13.0	20.6
10 28	23 38.87	− 5 9.1	1.376	2.218	17.3	20.8

168619 2000 BB_{40} 9 23.9 37°.44 2°.3/25.9 18

8 19	0 27.38	+ 8 8.2	1.760	2.589	15.6	19.8
8 29	0 23.01	+ 8 6.7	1.686	2.592	12.3	19.6
9 8	0 16.54	+ 7 48.6	1.634	2.596	8.4	19.4
9 18	0 8.57	+ 7 15.8	1.606	2.600	4.3	19.2
9 28	0 0.04	+ 6 32.5	1.605	2.603	2.5	19.1
10 8	23 51.98	+ 5 44.8	1.631	2.607	5.9	19.3
10 18	23 45.34	+ 4 59.2	1.683	2.612	9.9	19.6
10 28	23 40.82	+ 4 21.7	1.759	2.616	13.5	19.8

521960 2015 VR_{158} 9 23.9 190°.93 4°.4/30.5 18

8 19	0 24.15	+20 13.6	3.007	3.743	11.9	21.6
8 29	0 19.85	+20 6.7	2.910	3.742	10.0	21.4
9 8	0 14.22	+19 43.3	2.836	3.740	7.8	21.3
9 18	0 7.65	+19 3.5	2.786	3.737	5.7	21.1
9 28	0 0.70	+18 8.9	2.764	3.735	4.4	21.1
10 8	23 53.99	+17 3.4	2.771	3.732	4.9	21.1
10 18	23 48.10	+15 51.5	2.807	3.728	6.7	21.2
10 28	23 43.52	+14 38.8	2.870	3.724	8.9	21.3

397088 2005 US_{308} 9 23.9 358°.54 4°.6/19.7 17

8 19	0 20.38	− 6 30.8	1.361	2.255	15.5	20.0
8 29	0 18.20	− 7 40.1	1.302	2.250	11.6	19.7
9 8	0 13.69	− 8 57.7	1.264	2.247	7.5	19.5
9 18	0 7.54	−10 14.6	1.250	2.245	4.6	19.3
9 28	0 0.78	−11 20.8	1.260	2.245	6.2	19.4
10 8	23 54.60	−12 7.7	1.294	2.246	10.2	19.7
10 18	23 50.01	−12 30.6	1.350	2.248	14.2	19.9
10 28	23 47.74	−12 27.7	1.426	2.252	17.7	20.2

219254 1999 XE_{259} 9 23.9 18°.44 4°.8/28.9 18

8 19	0 25.51	+15 52.5	2.089	2.874	15.0	19.9
8 29	0 21.39	+16 10.9	2.009	2.877	12.3	19.7
9 8	0 15.43	+16 10.8	1.949	2.879	9.4	19.6
9 18	0 8.15	+15 51.8	1.913	2.882	6.5	19.4
9 28	0 0.34	+15 15.9	1.903	2.886	4.8	19.3
10 8	23 52.89	+14 27.8	1.921	2.889	6.0	19.4
10 18	23 46.63	+13 33.5	1.965	2.893	8.7	19.6
10 28	23 42.21	+12 39.6	2.034	2.897	11.6	19.8

37789 1997 UL_{16} 9 23.9 256°.57 0°.1/24.1 18

8 19	0 18.21	+ 2 33.1	4.454	5.279	6.9	20.5
8 29	0 14.95	+ 2 12.6	4.369	5.279	5.2	20.3
9 8	0 10.91	+ 1 46.8	4.309	5.278	3.3	20.2
9 18	0 6.36	+ 1 17.5	4.278	5.277	1.3	20.0
9 28	0 1.62	+ 0 46.6	4.277	5.276	0.8	20.0
10 8	23 57.03	+ 0 16.5	4.306	5.276	2.9	20.2
10 18	23 52.91	− 0 10.8	4.365	5.275	4.8	20.3
10 28	23 49.56	− 0 33.4	4.450	5.274	6.6	20.5

208930 2002 UU_{76} 9 23.9 5°.56 3°.4/20.7 18

8 19	0 25.70	− 5 43.2	1.681	2.555	14.2	19.8
8 29	0 21.78	− 6 36.1	1.617	2.555	10.6	19.6
9 8	0 15.76	− 7 36.0	1.575	2.555	6.7	19.3
9 18	0 8.28	− 8 36.2	1.559	2.556	3.6	19.1
9 28	0 0.28	− 9 28.9	1.569	2.557	4.8	19.2
10 8	23 52.81	−10 7.8	1.606	2.558	8.5	19.5
10 18	23 46.77	−10 28.5	1.666	2.560	12.2	19.7
10 28	23 42.86	−10 29.2	1.749	2.563	15.5	19.9

79606 1998 RU_{46} 9 23.9 106°.73 3°.4/26.7 18

8 19	0 30.61	+10 24.1	1.585	2.407	17.4	19.5
8 29	0 25.68	+10 32.4	1.516	2.414	13.8	19.3
9 8	0 18.33	+10 21.0	1.466	2.421	9.7	19.1
9 18	0 9.27	+ 9 50.9	1.440	2.428	5.5	18.9
9 28	23 59.57	+ 9 6.1	1.439	2.435	3.5	18.8
10 8	23 50.46	+ 8 13.4	1.466	2.441	6.5	19.0
10 18	23 42.99	+ 7 20.5	1.518	2.448	10.7	19.2
10 28	23 37.97	+ 6 34.7	1.593	2.454	14.4	19.5

108383 2001 KB_{23} 9 23.9 39°.08 1°.3/24.8 18

8 19	0 27.80	+ 5 39.4	1.126	1.993	20.1	19.5
8 29	0 23.99	+ 5 23.7	1.082	2.011	15.4	19.2
9 8	0 17.37	+ 4 46.9	1.056	2.031	10.0	19.0
9 18	0 8.89	+ 3 53.9	1.052	2.051	4.3	18.8
9 28	23 59.91	+ 2 52.9	1.072	2.072	2.3	18.7
10 8	23 51.92	+ 1 54.1	1.116	2.094	7.6	19.1
10 18	23 46.04	+ 1 6.0	1.183	2.117	12.6	19.4
10 28	23 43.00	+ 0 34.6	1.270	2.139	16.8	19.8

235178 2003 SN_{66} 9 23.9 120°.32 3°.3/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 28.32	+10 52.0	1.820	2.634	15.8	20.5
8 29	0 23.72	+10 56.7	1.742	2.636	12.6	20.3
9 8	0 17.00	+10 43.4	1.686	2.638	8.9	20.0
9 18	0 8.76	+10 12.9	1.653	2.640	5.2	19.8
9 28	23 59.93	+ 9 28.9	1.648	2.642	3.3	19.7
10 8	23 51.54	+ 8 37.2	1.669	2.644	6.0	19.9
10 18	23 44.54	+ 7 44.5	1.717	2.646	9.7	20.1
10 28	23 39.66	+ 6 57.7	1.789	2.648	13.2	20.3

438848 2009 CL_{44} 9 23.9 166°.84 4°.3/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.50	+15 49.4	2.242	3.018	14.3	21.2
8 29	0 22.77	+15 53.3	2.157	3.021	11.8	21.0
9 8	0 16.24	+15 38.8	2.094	3.024	8.8	20.8
9 18	0 8.45	+15 6.3	2.055	3.026	5.9	20.6
9 28	0 0.15	+14 18.1	2.044	3.028	4.3	20.5
10 8	23 52.21	+13 19.0	2.061	3.030	5.6	20.6
10 18	23 45.41	+12 15.2	2.106	3.031	8.4	20.8
10 28	23 40.38	+11 13.2	2.176	3.032	11.3	21.0

195454 2002 GP_{92} 9 23.9 220°.38 1°.1/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.56	− 0 52.7	1.977	2.825	13.4	21.5
8 29	0 24.48	− 1 18.8	1.896	2.819	10.1	21.3
9 8	0 17.41	− 1 54.0	1.838	2.813	6.4	21.1
9 18	0 8.91	− 2 34.5	1.806	2.806	2.4	20.8
9 28	23 59.83	− 3 15.0	1.802	2.799	2.5	20.8
10 8	23 51.14	− 3 49.8	1.827	2.792	6.6	21.0
10 18	23 43.72	− 4 14.5	1.878	2.784	10.4	21.3
10 28	23 38.28	− 4 25.7	1.953	2.776	13.7	21.5

239951 2001 FG_{17} 9 23.9 140°.00 0°.3/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.85	+ 3 58.2	2.310	3.138	12.4	21.2
8 29	0 22.80	+ 3 25.3	2.240	3.150	9.4	21.1
9 8	0 16.13	+ 2 41.3	2.193	3.161	6.0	20.9
9 18	0 8.38	+ 1 49.3	2.173	3.172	2.3	20.7
9 28	0 0.27	+ 0 54.0	2.183	3.182	1.5	20.6
10 8	23 52.58	+ 0 0.8	2.222	3.192	5.1	20.9
10 18	23 46.00	− 0 45.6	2.289	3.201	8.5	21.1
10 28	23 41.09	− 1 21.4	2.381	3.209	11.4	21.3

13003 Dickbeasley 9 23.9 134°.84 0°.7/22.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.32	+ 4 58.4	2.102	2.935	13.3	18.4
8 29	0 21.79	+ 3 18.6	2.033	2.948	10.0	18.2
9 8	0 15.56	+ 1 22.9	1.988	2.960	6.2	18.0
9 18	0 8.18	− 0 42.5	1.972	2.972	2.2	17.8
9 28	0 0.42	− 2 48.9	1.986	2.984	2.2	17.8
10 8	23 53.13	− 4 47.4	2.031	2.995	6.1	18.1
10 18	23 47.02	− 6 30.6	2.105	3.005	9.7	18.3
10 28	23 42.68	− 7 53.6	2.203	3.014	12.8	18.6

104440 2000 FC_{74} 9 23.9 8°.46 2°.5/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.27	− 4 27.7	1.730	2.596	14.2	19.0
8 29	0 23.68	− 4 57.3	1.663	2.596	10.7	18.7
9 8	0 16.95	− 5 33.6	1.618	2.597	6.7	18.5
9 18	0 8.75	− 6 11.6	1.598	2.598	3.0	18.3
9 28	0 0.01	− 6 44.9	1.606	2.599	3.8	18.4
10 8	23 51.80	− 7 7.9	1.640	2.600	7.7	18.6
10 18	23 45.05	− 7 16.9	1.699	2.602	11.5	18.8
10 28	23 40.46	− 7 9.9	1.781	2.603	14.9	19.1

446377 2014 HK_{109} 9 23.9 55°.36 2°.2/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.99	− 2 10.4	1.872	2.734	13.4	21.0
8 29	0 21.05	− 3 10.0	1.804	2.736	10.0	20.8
9 8	0 15.22	− 4 19.2	1.760	2.739	6.2	20.6
9 18	0 8.09	− 5 32.4	1.741	2.741	2.7	20.4
9 28	0 0.47	− 6 42.1	1.750	2.743	3.6	20.4
10 8	23 53.32	− 7 41.5	1.787	2.745	7.3	20.7
10 18	23 47.44	− 8 25.3	1.849	2.748	11.0	20.9
10 28	23 43.47	− 8 50.7	1.934	2.750	14.1	21.1

495318 2014 HF_{128} 9 23.9 22°.67 2°.0/25.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.45	+ 8 2.4	1.744	2.578	15.5	21.0
8 29	0 21.58	+ 7 47.7	1.672	2.581	12.2	20.8
9 8	0 15.65	+ 7 15.6	1.620	2.584	8.2	20.6
9 18	0 8.27	+ 6 28.6	1.593	2.587	4.1	20.3
9 28	0 0.35	+ 5 31.7	1.592	2.591	2.2	20.2
10 8	23 52.89	+ 4 31.8	1.618	2.595	5.9	20.5
10 18	23 46.81	+ 3 36.0	1.671	2.599	9.9	20.7
10 28	23 42.80	+ 2 50.2	1.746	2.604	13.5	21.0

265234 2004 DZ_{25} 9 23.9 135°.02 0°.1/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 31.03	+ 3 12.1	1.847	2.684	14.7	21.7
8 29	0 25.55	+ 2 42.0	1.781	2.697	11.2	21.5
9 8	0 18.04	+ 1 58.9	1.738	2.709	7.1	21.3
9 18	0 9.14	+ 1 6.8	1.721	2.720	2.7	21.0
9 28	23 59.78	+ 0 11.6	1.732	2.731	1.8	21.0
10 8	23 51.00	− 0 40.4	1.771	2.741	6.2	21.3
10 18	23 43.67	− 1 23.4	1.837	2.751	10.1	21.6
10 28	23 38.45	− 1 53.3	1.927	2.760	13.5	21.8

481518 2007 FW_{39} 9 23.9 163°.88 3°.7/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.01	−12 51.4	3.023	3.876	9.1	22.0
8 29	0 21.83	−13 35.9	2.959	3.882	6.9	21.8
9 8	0 15.37	−14 19.8	2.921	3.887	4.8	21.7
9 18	0 8.08	−14 59.0	2.911	3.892	3.7	21.6
9 28	0 0.52	−15 29.6	2.931	3.896	4.6	21.7
10 8	23 53.29	−15 48.5	2.980	3.900	6.6	21.8
10 18	23 46.94	−15 54.2	3.056	3.903	8.7	22.0
10 28	23 41.91	−15 46.1	3.156	3.906	10.7	22.1

21321 1997 AN_{2} 9 23.9 342°.59 3°.2/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.29	+ 6 57.2	1.214	2.070	19.6	17.5
8 29	0 25.48	+ 7 29.1	1.142	2.062	15.6	17.2
9 8	0 18.66	+ 7 42.5	1.089	2.056	10.8	16.9
9 18	0 9.55	+ 7 37.5	1.056	2.051	5.7	16.6
9 28	23 59.43	+ 7 17.6	1.048	2.046	3.5	16.5
10 8	23 49.87	+ 6 49.4	1.063	2.042	7.8	16.7
10 18	23 42.30	+ 6 20.9	1.101	2.038	13.0	17.0
10 28	23 37.75	+ 6 0.0	1.160	2.036	17.5	17.3

421005 2013 PF_{46} 9 23.9 228°.52 5°.3/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.70	+15 29.1	1.608	2.407	18.2	21.2
8 29	0 25.24	+15 40.0	1.522	2.401	15.0	20.9
9 8	0 18.25	+15 26.8	1.455	2.394	11.2	20.7
9 18	0 9.35	+14 48.7	1.411	2.387	7.5	20.5
9 28	23 59.57	+13 48.2	1.391	2.379	5.3	20.3
10 8	23 50.19	+12 32.2	1.398	2.371	7.2	20.4
10 18	23 42.39	+11 10.2	1.431	2.363	11.0	20.6
10 28	23 37.08	+ 9 52.2	1.487	2.354	14.9	20.9

408339 2013 GH_{78} 9 23.9 107°.49 1°.6/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.87	+10 6.5	2.628	3.431	11.8	21.2
8 29	0 19.64	+ 9 23.2	2.558	3.449	9.2	21.0
9 8	0 14.07	+ 8 25.9	2.511	3.466	6.2	20.9
9 18	0 7.61	+ 7 17.5	2.492	3.483	3.2	20.7
9 28	0 0.88	+ 6 2.1	2.502	3.500	1.7	20.6
10 8	23 54.51	+ 4 45.3	2.542	3.516	4.2	20.8
10 18	23 49.09	+ 3 32.4	2.611	3.532	7.2	21.0
10 28	23 45.07	+ 2 27.9	2.706	3.548	9.8	21.2

153561 2001 SS_{155} 9 23.9 329°.18 0°.9/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.36	+ 3 57.6	1.282	2.150	18.1	19.3
8 29	0 22.38	+ 3 51.5	1.204	2.134	14.0	19.0
9 8	0 16.65	+ 3 27.5	1.144	2.120	9.2	18.7
9 18	0 8.80	+ 2 48.6	1.107	2.106	3.8	18.4
9 28	23 59.97	+ 2 0.8	1.093	2.093	2.2	18.3
10 8	23 51.59	+ 1 12.9	1.104	2.082	7.8	18.6
10 18	23 44.95	+ 0 33.2	1.138	2.071	13.1	18.8
10 28	23 41.08	+ 0 8.6	1.192	2.061	17.7	19.1

93732 2000 VE_{47} 9 23.9 208°.26 6°.3/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.06	+26 38.6	2.934	3.622	13.1	19.6
8 29	0 21.47	+26 53.1	2.832	3.616	11.4	19.5
9 8	0 15.36	+26 48.8	2.750	3.610	9.6	19.3
9 18	0 8.15	+26 24.2	2.691	3.603	7.8	19.2
9 28	0 0.47	+25 39.9	2.657	3.596	6.5	19.1
10 8	23 53.00	+24 38.5	2.652	3.588	6.5	19.1
10 18	23 46.42	+23 24.8	2.674	3.580	7.7	19.2
10 28	23 41.30	+22 5.0	2.722	3.571	9.5	19.3

373194 2012 DH_{76} 9 23.9 160°.53 0°.7/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.37	+ 1 53.1	1.747	2.593	15.0	22.4
8 29	0 25.24	+ 1 6.6	1.678	2.599	11.3	22.2
9 8	0 17.95	+ 0 6.5	1.631	2.605	7.1	22.0
9 18	0 9.15	− 1 2.1	1.609	2.610	2.6	21.7
9 28	23 59.81	− 2 12.2	1.616	2.614	2.4	21.7
10 8	23 51.01	− 3 16.1	1.650	2.618	6.9	22.0
10 18	23 43.70	− 4 7.4	1.711	2.620	11.0	22.2
10 28	23 38.60	− 4 42.0	1.795	2.623	14.6	22.5

443544 2014 KO_{9} 9 23.9 13°.37 2°.5/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.90	+ 9 38.7	1.685	2.518	16.1	20.5
8 29	0 20.49	+ 9 25.2	1.614	2.520	12.7	20.3
9 8	0 15.01	+ 8 52.5	1.563	2.524	8.8	20.1
9 18	0 8.06	+ 8 2.8	1.535	2.527	4.7	19.8
9 28	0 0.56	+ 7 1.0	1.534	2.532	2.7	19.7
10 8	23 53.53	+ 5 54.6	1.559	2.536	5.9	20.0
10 18	23 47.89	+ 4 51.1	1.610	2.542	10.0	20.2
10 28	23 44.34	+ 3 57.4	1.684	2.548	13.6	20.4

389510 2010 GP_{110} 9 23.9 117°.36 1°.6/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.00	+10 2.4	1.935	2.755	14.8	20.9
8 29	0 21.02	+ 9 6.8	1.862	2.763	11.5	20.7
9 8	0 15.19	+ 7 51.5	1.811	2.772	7.8	20.5
9 18	0 8.09	+ 6 20.5	1.786	2.780	3.7	20.2
9 28	0 0.56	+ 4 40.3	1.789	2.789	1.9	20.1
10 8	23 53.49	+ 2 59.3	1.821	2.797	5.5	20.4
10 18	23 47.68	+ 1 25.8	1.881	2.804	9.3	20.6
10 28	23 43.74	+ 0 6.3	1.965	2.812	12.7	20.9

310567 2001 SD_{67} 9 23.9 347°.26 8°.1/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.56	−16 26.4	1.241	2.135	16.7	19.2
8 29	0 24.06	−17 0.2	1.177	2.120	13.2	19.0
9 8	0 17.66	−17 28.9	1.134	2.105	9.9	18.7
9 18	0 9.14	−17 43.2	1.112	2.093	8.1	18.6
9 28	23 59.81	−17 34.4	1.113	2.082	9.5	18.7
10 8	23 51.18	−16 57.8	1.136	2.073	13.0	18.8
10 18	23 44.55	−15 53.6	1.180	2.066	16.8	19.0
10 28	23 40.81	−14 25.0	1.243	2.061	20.3	19.3

77683 2001 NN 9 23.9 133°.02 7°.1/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.31	+23 53.1	2.234	2.958	15.8	20.2
8 29	0 24.24	+24 22.9	2.154	2.968	13.6	20.0
9 8	0 17.25	+24 30.8	2.093	2.977	11.1	19.9
9 18	0 8.89	+24 14.9	2.055	2.986	8.8	19.7
9 28	23 59.99	+23 36.0	2.042	2.994	7.2	19.7
10 8	23 51.48	+22 38.0	2.056	3.002	7.4	19.7
10 18	23 44.22	+21 27.3	2.096	3.010	9.1	19.8
10 28	23 38.89	+20 11.5	2.162	3.017	11.4	20.0

91636 1999 TY_{79} 9 23.9 312°.05 0°.3/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.64	+ 5 1.3	2.058	2.899	13.3	19.6
8 29	0 19.23	+ 4 14.2	1.975	2.892	10.2	19.3
9 8	0 14.09	+ 3 12.2	1.914	2.885	6.5	19.1
9 18	0 7.71	+ 1 59.0	1.879	2.878	2.6	18.8
9 28	0 0.82	+ 0 40.7	1.872	2.871	1.6	18.8
10 8	23 54.25	− 0 35.8	1.893	2.865	5.7	19.0
10 18	23 48.78	− 1 44.1	1.941	2.859	9.4	19.2
10 28	23 45.02	− 2 38.7	2.013	2.853	12.7	19.4

368514 2003 UG_{242} 9 23.9 342°.08 2°.1/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.27	+ 8 24.9	1.027	1.904	20.8	20.1
8 29	0 18.19	+ 8 1.5	0.957	1.891	16.4	19.8
9 8	0 14.20	+ 7 8.4	0.904	1.879	11.2	19.4
9 18	0 7.93	+ 5 48.7	0.870	1.868	5.3	19.1
9 28	0 0.64	+ 4 11.2	0.858	1.859	2.7	18.9
10 8	23 53.90	+ 2 29.8	0.869	1.851	8.3	19.2
10 18	23 49.12	+ 0 58.6	0.900	1.845	14.2	19.5
10 28	23 47.35	− 0 10.9	0.951	1.840	19.3	19.8

507188 2010 RM_{50} 9 23.9 62°.33 1°.4/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 38.62	− 2 25.1	1.172	2.039	19.4	20.4
8 29	0 31.94	− 2 20.5	1.131	2.064	14.6	20.2
9 8	0 22.28	− 2 25.5	1.111	2.089	9.1	19.9
9 18	0 10.73	− 2 35.0	1.113	2.114	3.4	19.7
9 28	23 58.85	− 2 43.0	1.141	2.140	3.2	19.8
10 8	23 48.23	− 2 43.7	1.195	2.165	8.5	20.1
10 18	23 40.06	− 2 33.5	1.272	2.190	13.3	20.5
10 28	23 35.03	− 2 10.6	1.370	2.215	17.2	20.8

394628 2007 XG_{12} 9 23.9 297°.69 3°.5/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.35	− 6 49.0	1.810	2.679	13.5	21.1
8 29	0 22.98	− 7 36.9	1.739	2.674	10.2	20.9
9 8	0 16.54	− 8 30.4	1.691	2.669	6.5	20.7
9 18	0 8.65	− 9 23.3	1.668	2.664	3.7	20.5
9 28	0 0.20	−10 8.7	1.673	2.659	4.9	20.6
10 8	23 52.20	−10 40.6	1.704	2.654	8.4	20.8
10 18	23 45.57	−10 55.1	1.760	2.649	12.0	21.0
10 28	23 41.01	−10 50.8	1.838	2.644	15.1	21.2

23382 Epistrophos 9 23.9 273°.52 0°.4/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 17.42	+ 0 48.6	4.436	5.270	6.8	19.3
8 29	0 14.41	+ 0 11.3	4.346	5.262	5.1	19.1
9 8	0 10.64	− 0 31.1	4.281	5.254	3.2	19.0
9 18	0 6.34	− 1 16.7	4.246	5.246	1.1	18.8
9 28	0 1.83	− 2 3.0	4.240	5.238	1.1	18.8
10 8	23 57.47	− 2 47.3	4.266	5.230	3.2	19.0
10 18	23 53.55	− 3 27.2	4.320	5.222	5.1	19.1
10 28	23 50.39	− 4 0.8	4.401	5.215	6.8	19.2

299211 2005 JH_{43} 9 23.9 106°.23 2°.4/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.63	− 4 10.2	1.926	2.787	13.2	20.8
8 29	0 22.98	− 4 52.0	1.861	2.791	9.9	20.6
9 8	0 16.43	− 5 40.7	1.818	2.796	6.2	20.4
9 18	0 8.58	− 6 30.9	1.801	2.800	2.8	20.2
9 28	0 0.28	− 7 16.6	1.813	2.804	3.7	20.3
10 8	23 52.47	− 7 52.1	1.852	2.809	7.2	20.5
10 18	23 45.97	− 8 13.5	1.917	2.813	10.8	20.7
10 28	23 41.41	− 8 18.7	2.004	2.817	13.8	21.0

405278 2003 SF_{340} 9 23.9 317°.04 2°.7/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.66	− 6 19.5	1.984	2.847	12.8	20.9
8 29	0 23.15	− 6 38.4	1.898	2.829	9.7	20.7
9 8	0 16.67	− 7 1.8	1.834	2.812	6.2	20.4
9 18	0 8.72	− 7 25.2	1.797	2.794	3.1	20.2
9 28	0 0.15	− 7 43.4	1.787	2.778	3.9	20.2
10 8	23 51.90	− 7 51.9	1.804	2.761	7.4	20.4
10 18	23 44.86	− 7 47.6	1.847	2.745	11.0	20.6
10 28	23 39.75	− 7 28.6	1.914	2.729	14.3	20.8

488978 2005 UA_{351} 9 23.9 356°.51 0°.4/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 27.48	− 0 15.7	0.995	1.886	20.2	20.1
8 29	0 24.48	+ 0 20.9	0.935	1.879	15.6	19.8
9 8	0 18.20	+ 0 46.1	0.891	1.873	10.1	19.5
9 18	0 9.43	+ 1 2.2	0.868	1.869	3.9	19.1
9 28	23 59.67	+ 1 13.6	0.867	1.868	2.6	19.0
10 8	23 50.67	+ 1 26.1	0.889	1.868	8.8	19.4
10 18	23 43.95	+ 1 44.7	0.931	1.870	14.5	19.7
10 28	23 40.56	+ 2 13.7	0.992	1.875	19.3	20.0

487201 2014 OW_{363} 9 23.9 283°.49 5°.2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.25	−12 49.5	2.194	3.066	11.4	21.2
8 29	0 20.33	−14 7.3	2.128	3.061	8.7	21.1
9 8	0 14.72	−15 26.1	2.086	3.055	6.3	20.9
9 18	0 7.94	−16 39.1	2.072	3.050	5.2	20.8
9 28	0 0.73	−17 39.5	2.085	3.045	6.5	20.9
10 8	23 53.88	−18 22.0	2.124	3.040	9.0	21.1
10 18	23 48.13	−18 43.9	2.189	3.035	11.7	21.2
10 28	23 44.07	−18 44.7	2.274	3.030	14.1	21.4

389017 2008 UG_{224} 9 23.9 190°.83 5°.3/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.22	+19 56.7	2.396	3.143	14.3	21.9
8 29	0 23.32	+20 3.2	2.304	3.141	12.0	21.7
9 8	0 16.64	+19 50.0	2.231	3.139	9.5	21.6
9 18	0 8.69	+19 16.5	2.183	3.137	6.9	21.4
9 28	0 0.19	+18 24.4	2.162	3.134	5.4	21.3
10 8	23 52.00	+17 18.0	2.169	3.130	6.0	21.3
10 18	23 44.88	+16 3.4	2.204	3.126	8.3	21.5
10 28	23 39.50	+14 47.6	2.265	3.121	10.9	21.6

17209 2000 AH_{148} 9 23.9 289°.41 7°.5/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.23	+20 52.6	1.896	2.655	17.2	17.5
8 29	0 23.98	+21 37.9	1.799	2.641	14.7	17.3
9 8	0 17.43	+22 1.5	1.721	2.626	12.0	17.1
9 18	0 9.10	+22 0.3	1.665	2.612	9.3	16.9
9 28	23 59.86	+21 33.7	1.634	2.598	7.6	16.8
10 8	23 50.84	+20 45.3	1.628	2.583	8.1	16.8
10 18	23 43.12	+19 41.6	1.647	2.569	10.5	16.9
10 28	23 37.61	+18 31.4	1.691	2.555	13.5	17.1

482455 2012 FZ_{1} 9 23.9 253°.83 1°.0/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.40	+ 7 9.7	2.313	3.137	12.5	21.6
8 29	0 19.63	+ 6 32.6	2.226	3.132	9.7	21.5
9 8	0 14.27	+ 5 41.2	2.162	3.126	6.4	21.2
9 18	0 7.78	+ 4 38.3	2.124	3.121	2.9	21.0
9 28	0 0.84	+ 3 28.5	2.115	3.115	1.5	20.9
10 8	23 54.19	+ 2 17.8	2.135	3.109	4.9	21.1
10 18	23 48.53	+ 1 12.1	2.183	3.104	8.4	21.3
10 28	23 44.44	+ 0 16.3	2.256	3.098	11.5	21.5

128138 2003 QD_{54} 9 23.9 326°.85 5°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.45	−12 2.8	2.220	3.095	11.2	19.3
8 29	0 18.96	−13 51.8	2.159	3.093	8.5	19.1
9 8	0 13.86	−15 43.0	2.123	3.092	6.2	19.0
9 18	0 7.63	−17 28.7	2.115	3.090	5.4	18.9
9 28	0 0.97	−19 0.9	2.135	3.089	6.8	19.0
10 8	23 54.66	−20 13.3	2.182	3.088	9.3	19.2
10 18	23 49.41	−21 2.6	2.253	3.087	11.9	19.3
10 28	23 45.77	−21 28.0	2.346	3.086	14.2	19.5

41136 1999 VL_{104} 9 23.9 100°.78 1°.9/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 24.68	+ 9 37.3	2.359	3.169	12.7	19.8
8 29	0 20.45	+ 9 11.5	2.287	3.181	10.0	19.7
9 8	0 14.70	+ 8 31.1	2.237	3.193	6.8	19.5
9 18	0 7.92	+ 7 38.5	2.213	3.204	3.6	19.3
9 28	0 0.79	+ 6 37.7	2.218	3.215	2.0	19.2
10 8	23 54.04	+ 5 34.2	2.252	3.227	4.6	19.4
10 18	23 48.33	+ 4 33.4	2.313	3.238	7.8	19.6
10 28	23 44.18	+ 3 40.3	2.401	3.249	10.7	19.8

13829 1999 WK_{18} 9 23.9 65°.99 0°.8/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.50	+ 0 38.5	2.096	2.945	12.8	18.0
8 29	0 21.16	+ 0 1.8	2.036	2.960	9.6	17.8
9 8	0 15.18	− 0 44.4	2.000	2.975	5.9	17.6
9 18	0 8.09	− 1 35.9	1.990	2.991	2.1	17.4
9 28	0 0.68	− 2 27.4	2.009	3.006	2.1	17.4
10 8	23 53.75	− 3 13.3	2.055	3.022	5.8	17.7
10 18	23 47.99	− 3 49.4	2.129	3.038	9.2	18.0
10 28	23 43.96	− 4 12.6	2.226	3.053	12.1	18.2

60134 1999 TO_{272} 9 23.9 321°.15 0°.1/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.00	+ 0 59.2	2.044	2.888	13.2	19.2
8 29	0 23.28	+ 0 55.9	1.963	2.882	10.1	19.0
9 8	0 16.68	+ 0 43.5	1.904	2.877	6.4	18.8
9 18	0 8.72	+ 0 24.7	1.871	2.871	2.4	18.5
9 28	0 0.21	+ 0 3.4	1.866	2.866	1.7	18.5
10 8	23 52.07	− 0 15.9	1.890	2.861	5.8	18.7
10 18	23 45.13	− 0 29.1	1.940	2.856	9.6	18.9
10 28	23 40.06	− 0 33.0	2.014	2.851	12.8	19.2

69623 1998 FM_{55} 9 23.9 224.°05 1.°6/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 28.76	+ 0 5.5	1.586	2.445	15.6	19.3
8 29	0 24.37	− 0 46.3	1.510	2.440	11.8	19.0
9 8	0 17.61	− 1 52.2	1.457	2.435	7.4	18.8
9 18	0 9.12	− 3 6.2	1.428	2.429	2.8	18.5
9 28	23 59.93	− 4 20.2	1.426	2.423	3.2	18.5
10 8	23 51.22	− 5 25.5	1.451	2.416	7.9	18.8
10 18	23 44.06	− 6 15.0	1.501	2.410	12.4	19.0
10 28	23 39.25	− 6 44.7	1.573	2.402	16.2	19.3

510505 2012 BL_{15} 9 23.9 294.°06 1.°1/25.9 18

8 19	0 19.47	+ 7 21.5	4.256	5.060	7.6	21.7
8 29	0 16.00	+ 7 14.3	4.156	5.048	5.9	21.6
9 8	0 11.68	+ 7 0.1	4.080	5.036	4.0	21.4
9 18	0 6.76	+ 6 39.9	4.032	5.023	2.1	21.3
9 28	0 1.60	+ 6 15.6	4.014	5.011	1.2	21.2
10 8	23 56.56	+ 5 49.2	4.026	4.999	2.9	21.3
10 18	23 52.00	+ 5 23.1	4.067	4.987	4.9	21.4
10 28	23 48.27	+ 4 59.6	4.136	4.976	6.7	21.6

501567 2014 NF_{63} 9 23.9 48.°21 2.°4/25.4 17 C

8 19	0 44.91	+ 8 39.6	0.735	1.603	27.8	22.6
8 29	0 36.63	+ 8 13.7	0.731	1.658	21.0	22.4
9 8	0 24.88	+ 7 18.1	0.742	1.714	13.5	22.3
9 18	0 11.48	+ 6 1.6	0.772	1.769	6.1	22.1
9 28	23 58.66	+ 4 38.0	0.824	1.824	3.1	22.2
10 8	23 48.25	+ 3 21.5	0.899	1.878	8.8	22.7
10 18	23 41.30	+ 2 21.8	0.996	1.932	14.2	23.2
10 28	23 38.12	+ 1 44.0	1.113	1.984	18.5	23.7

395041 2009 DK_{98} 9 23.9 164.°04 1.°3/22.4 18

8 19	0 28.17	− 1 45.3	2.282	3.128	11.9	22.1
8 29	0 23.13	− 2 18.2	2.209	3.132	9.0	21.9
9 8	0 16.43	− 2 58.5	2.160	3.135	5.6	21.7
9 18	0 8.59	− 3 42.1	2.139	3.139	2.2	21.5
9 28	0 0.34	− 4 24.4	2.146	3.142	2.5	21.5
10 8	23 52.49	− 5 0.5	2.182	3.144	5.9	21.7
10 18	23 45.75	− 5 26.6	2.246	3.146	9.2	22.0
10 28	23 40.70	− 5 40.2	2.334	3.148	12.1	22.2

212720 2007 RA_{128} 9 23.9 290.°74 0.°5/23.5 18

8 19	0 25.66	+ 2 12.5	1.781	2.633	14.5	21.7
8 29	0 21.83	+ 1 35.8	1.697	2.622	11.0	21.4
9 8	0 15.93	+ 0 45.1	1.636	2.611	7.0	21.2
9 18	0 8.48	− 0 15.4	1.599	2.600	2.6	20.9
9 28	0 0.38	− 1 19.3	1.590	2.589	2.2	20.8
10 8	23 52.63	− 2 19.3	1.607	2.578	6.7	21.1
10 18	23 46.18	− 3 8.8	1.651	2.567	10.9	21.3
10 28	23 41.79	− 3 43.0	1.717	2.556	14.6	21.5

338016 2002 FT_{21} 9 23.9 196.°73 1.°2/25.3 18

8 19	0 27.40	+ 7 20.8	2.191	3.010	13.3	22.0
8 29	0 22.73	+ 6 48.7	2.105	3.007	10.3	21.8
9 8	0 16.28	+ 6 1.7	2.041	3.004	6.9	21.6
9 18	0 8.57	+ 5 2.4	2.004	3.000	3.2	21.3
9 28	0 0.34	+ 3 55.5	1.996	2.996	1.6	21.2
10 8	23 52.45	+ 2 47.3	2.017	2.991	5.2	21.4
10 18	23 45.68	+ 1 43.7	2.066	2.986	8.9	21.7
10 28	23 40.66	+ 0 50.2	2.140	2.979	12.1	21.9

454576 2014 PZ_{16} 9 23.9 4.°48 1.°7/22.0 18

8 19	0 23.67	− 1 53.6	2.014	2.874	12.7	21.3
8 29	0 19.98	− 2 38.5	1.943	2.874	9.5	21.1
9 8	0 14.54	− 3 32.1	1.896	2.875	5.9	20.8
9 18	0 7.90	− 4 29.7	1.875	2.875	2.4	20.6
9 28	0 0.82	− 5 25.1	1.882	2.877	3.0	20.7
10 8	23 54.14	− 6 12.5	1.916	2.878	6.6	20.9
10 18	23 48.61	− 6 47.3	1.976	2.880	10.1	21.1
10 28	23 44.84	− 7 6.7	2.060	2.882	13.2	21.3

177175 2003 SM_{170} 9 23.9 221.°85 0.°8/24.6 18

8 19	0 30.22	+ 5 28.3	1.784	2.618	15.3	20.7
8 29	0 25.32	+ 5 0.7	1.697	2.609	11.8	20.5
9 8	0 18.17	+ 4 16.8	1.632	2.600	7.8	20.2
9 18	0 9.35	+ 3 19.6	1.591	2.590	3.3	19.9
9 28	23 59.78	+ 2 14.7	1.579	2.579	1.8	19.8
10 8	23 50.58	+ 1 9.5	1.594	2.567	6.4	20.1
10 18	23 42.77	+ 0 11.3	1.636	2.555	10.8	20.3
10 28	23 37.17	− 0 33.9	1.702	2.543	14.6	20.5

273433 2006 WT_{137} 9 23.9 165.°72 4.°8/19.8 17

8 19	0 30.73	− 9 0.3	1.595	2.467	14.9	21.3
8 29	0 25.74	− 9 59.6	1.533	2.469	11.2	21.1
9 8	0 18.38	−11 3.0	1.494	2.470	7.4	20.9
9 18	0 9.38	−12 2.6	1.480	2.472	4.9	20.7
9 28	23 59.82	−12 50.1	1.493	2.473	6.2	20.8
10 8	23 50.88	−13 19.1	1.531	2.474	9.8	21.0
10 18	23 43.59	−13 26.3	1.594	2.474	13.5	21.3
10 28	23 38.70	−13 11.4	1.677	2.475	16.7	21.5

154199 2002 GB_{163} 9 23.9 224.°77 0.°5/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 25.41	+ 1 9.9	2.893	3.725	10.1	22.2
8 29	0 20.84	+ 0 34.7	2.799	3.713	7.6	22.0
9 8	0 14.92	− 0 8.8	2.729	3.700	4.8	21.8
9 18	0 8.03	− 0 57.6	2.687	3.687	1.7	21.6
9 28	0 0.73	− 1 47.9	2.675	3.674	1.6	21.6
10 8	23 53.64	− 2 35.5	2.694	3.659	4.7	21.8
10 18	23 47.34	− 3 16.6	2.741	3.644	7.6	21.9
10 28	23 42.34	− 3 48.1	2.814	3.629	10.2	22.1

17689 1997 CS 9 23.9 125.°17 1.°1/25.1 18 R

8 19	0 28.53	+ 5 7.5	2.338	3.160	12.5	17.8
8 29	0 23.37	+ 5 5.6	2.263	3.168	9.6	17.6
9 8	0 16.58	+ 4 52.9	2.211	3.175	6.4	17.4
9 18	0 8.66	+ 4 31.5	2.186	3.182	2.9	17.2
9 28	0 0.33	+ 4 4.6	2.189	3.189	1.6	17.1
10 8	23 52.39	+ 3 36.3	2.222	3.195	4.9	17.4
10 18	23 45.54	+ 3 10.7	2.283	3.202	8.2	17.6
10 28	23 40.37	+ 2 51.5	2.369	3.208	11.1	17.8

91602 1999 TM_{17} 9 23.9 254.°72 5.°5/17.3 18

8 19	0 25.99	−14 55.8	2.285	3.153	11.1	18.3
8 29	0 21.60	−16 2.4	2.218	3.147	8.6	18.1
9 8	0 15.53	−17 8.1	2.175	3.140	6.4	18.0
9 18	0 8.29	−18 6.4	2.159	3.132	5.5	17.9
9 28	0 0.61	−18 51.4	2.171	3.125	6.7	18.0
10 8	23 53.30	−19 18.5	2.209	3.118	9.0	18.1
10 18	23 47.09	−19 25.7	2.271	3.111	11.6	18.3
10 28	23 42.56	−19 12.8	2.355	3.103	13.9	18.4

183540 2003 HC_{17} 9 23.9 21.°54 2.°8/27.1 18

8 19	0 23.00	+12 8.3	1.900	2.715	15.2	19.6
8 29	0 19.64	+11 41.1	1.824	2.719	12.1	19.4
9 8	0 14.42	+10 53.8	1.769	2.722	8.5	19.2
9 18	0 7.90	+ 9 48.5	1.738	2.726	4.9	19.0
9 28	0 0.88	+ 8 30.2	1.734	2.730	2.9	18.9
10 8	23 54.28	+ 7 6.3	1.758	2.735	5.5	19.1
10 18	23 48.91	+ 5 44.6	1.808	2.740	9.1	19.3
10 28	23 45.41	+ 4 32.1	1.883	2.745	12.5	19.5

91949 1999 VY_{67} 9 23.9 276.°39 4.°8/18.7 18

8 19	0 27.36	−12 56.8	2.235	3.101	11.4	19.5
8 29	0 22.66	−13 44.6	2.163	3.092	8.8	19.3
9 8	0 16.22	−14 32.5	2.114	3.083	6.2	19.1
9 18	0 8.56	−15 14.6	2.092	3.074	4.8	19.1
9 28	0 0.43	−15 45.5	2.097	3.065	5.9	19.1
10 8	23 52.68	−16 0.7	2.130	3.056	8.5	19.3
10 18	23 46.06	−15 58.2	2.188	3.046	11.2	19.4
10 28	23 41.19	−15 37.8	2.268	3.037	13.8	19.6

336907 2011 HF_{13} 9 23.9 165.°64 2.°6/21.5 18

8 19	0 27.99	− 3 8.2	1.647	2.513	14.8	20.9
8 29	0 23.63	− 4 1.0	1.580	2.514	11.1	20.7
9 8	0 17.05	− 5 3.5	1.535	2.514	6.9	20.4
9 18	0 8.91	− 6 9.4	1.515	2.515	3.1	20.2
9 28	0 0.20	− 7 10.8	1.523	2.515	4.1	20.3
10 8	23 52.02	− 8 0.2	1.557	2.515	8.2	20.5
10 18	23 45.35	− 8 32.6	1.615	2.515	12.2	20.8
10 28	23 40.90	− 8 45.2	1.696	2.516	15.6	21.0

209765 2005 EN_{258} 9 23.9 135.°62 0.°7/24.6 18

8 19	0 27.26	+ 5 9.2	2.121	2.951	13.3	21.4
8 29	0 22.58	+ 4 40.3	2.049	2.959	10.2	21.2
9 8	0 16.15	+ 3 58.4	2.000	2.967	6.6	21.0
9 18	0 8.53	+ 3 6.6	1.976	2.974	2.8	20.7
9 28	0 0.48	+ 2 10.0	1.982	2.982	1.5	20.7
10 8	23 52.86	+ 1 14.2	2.016	2.988	5.3	20.9
10 18	23 46.42	+ 0 24.7	2.077	2.995	8.9	21.2
10 28	23 41.76	− 0 14.1	2.163	3.001	12.0	21.4

339138 2004 SU_{58} 9 23.9 355.°92 9.°3/18.1 18

8 19	0 25.82	−16 22.6	1.031	1.938	18.3	19.5
8 29	0 23.10	−17 15.8	0.981	1.930	14.4	19.3
9 8	0 17.21	−18 3.7	0.950	1.924	10.9	19.1
9 18	0 9.06	−18 34.9	0.939	1.920	9.3	19.0
9 28	0 0.14	−18 38.6	0.949	1.918	10.9	19.1
10 8	23 52.12	−18 9.6	0.979	1.917	14.4	19.3
10 18	23 46.36	−17 8.6	1.029	1.919	18.4	19.5
10 28	23 43.73	−15 40.0	1.096	1.923	21.9	19.8

300591 2007 TA_{405} 9 23.9 335.°04 1.°8/22.4 18

8 19	0 28.82	− 2 49.7	1.771	2.631	14.2	20.9
8 29	0 24.13	− 3 13.0	1.699	2.629	10.7	20.7
9 8	0 17.33	− 3 44.3	1.649	2.627	6.7	20.5
9 18	0 9.02	− 4 19.1	1.625	2.625	2.7	20.2
9 28	0 0.14	− 4 51.5	1.627	2.623	3.1	20.3
10 8	23 51.75	− 5 15.9	1.657	2.621	7.2	20.5
10 18	23 44.77	− 5 28.1	1.713	2.620	11.2	20.8
10 28	23 39.92	− 5 25.8	1.791	2.619	14.6	21.0

472255 2014 ON_{69} 9 23.9 292°.33 5°.2/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 25.02	−13 32.0	2.220	3.091	11.3	20.9
8 29	0 20.92	−14 38.9	2.153	3.084	8.7	20.7
9 8	0 15.13	−15 46.0	2.109	3.077	6.3	20.5
9 18	0 8.16	−16 46.8	2.093	3.071	5.2	20.5
9 28	0 0.74	−17 35.0	2.104	3.064	6.4	20.5
10 8	23 53.70	−18 5.9	2.141	3.058	8.9	20.7
10 18	23 47.76	−18 17.1	2.203	3.051	11.6	20.8
10 28	23 43.51	−18 8.2	2.287	3.045	14.0	21.0

287010 2002 QQ_{76} 9 23.9 148°.08 3°.1/21.1 17

8 19	0 29.63	− 3 48.8	1.627	2.492	15.0	21.2
8 29	0 24.84	− 4 51.1	1.564	2.497	11.2	21.0
9 8	0 17.80	− 6 2.8	1.524	2.502	7.0	20.7
9 18	0 9.20	− 7 16.6	1.509	2.507	3.4	20.5
9 28	0 0.05	− 8 24.2	1.521	2.511	4.5	20.6
10 8	23 51.51	− 9 17.7	1.560	2.515	8.5	20.9
10 18	23 44.53	− 9 52.4	1.624	2.519	12.5	21.1
10 28	23 39.86	−10 6.0	1.710	2.522	15.8	21.3

401242 2012 BD_{24} 9 23.9 345°.55 3°.7/20.3 18

8 19	0 27.33	− 8 44.7	2.002	2.869	12.5	20.3
8 29	0 22.76	− 9 21.7	1.933	2.866	9.4	20.1
9 8	0 16.34	−10 1.4	1.888	2.864	6.2	19.9
9 18	0 8.62	−10 38.6	1.869	2.862	3.8	19.8
9 28	0 0.44	−11 7.5	1.878	2.861	4.8	19.9
10 8	23 52.71	−11 23.4	1.913	2.859	7.9	20.0
10 18	23 46.23	−11 23.8	1.974	2.858	11.1	20.2
10 28	23 41.64	−11 7.6	2.058	2.857	14.0	20.4

392067 2009 CL_{37} 9 23.9 203°.11 2°.3/26.3 18

8 19	0 27.69	+ 9 21.7	2.085	2.898	14.1	21.4
8 29	0 23.07	+ 9 14.2	2.000	2.896	11.1	21.2
9 8	0 16.58	+ 8 51.1	1.938	2.893	7.7	21.0
9 18	0 8.74	+ 8 14.0	1.900	2.891	4.2	20.8
9 28	0 0.35	+ 7 26.3	1.891	2.888	2.4	20.7
10 8	23 52.30	+ 6 33.7	1.909	2.885	5.3	20.8
10 18	23 45.44	+ 5 41.9	1.956	2.881	8.9	21.1
10 28	23 40.43	+ 4 56.7	2.027	2.877	12.2	21.3

443340 2014 GA_{9} 9 23.9 182°.77 0°.7/24.8 18

8 19	0 25.01	+ 7 47.7	2.161	2.983	13.3	21.7
8 29	0 20.94	+ 6 43.9	2.078	2.984	10.3	21.5
9 8	0 15.16	+ 5 22.9	2.019	2.984	6.8	21.3
9 18	0 8.19	+ 3 48.8	1.986	2.984	2.9	21.1
9 28	0 0.75	+ 2 8.0	1.983	2.983	1.5	21.0
10 8	23 53.68	+ 0 28.1	2.009	2.982	5.4	21.2
10 18	23 47.70	− 1 3.5	2.064	2.980	9.0	21.5
10 28	23 43.43	− 2 20.8	2.144	2.978	12.2	21.7

55020 2001 QS_{34} 9 23.9 12°.77 1°.7/25.5 18

8 19	0 25.18	+ 7 5.6	1.646	2.488	16.0	18.9
8 29	0 21.55	+ 6 49.9	1.575	2.490	12.4	18.7
9 8	0 15.76	+ 6 16.7	1.525	2.492	8.3	18.5
9 18	0 8.46	+ 5 28.8	1.499	2.495	3.9	18.2
9 28	0 0.57	+ 4 31.7	1.498	2.498	2.1	18.1
10 8	23 53.18	+ 3 32.6	1.525	2.502	6.1	18.4
10 18	23 47.21	+ 2 38.8	1.576	2.506	10.4	18.6
10 28	23 43.41	+ 1 56.4	1.651	2.511	14.1	18.9

128144 2003 QA_{61} 9 23.9 70°.19 2°.6/21.6 18

8 19	0 31.97	− 7 24.5	2.182	3.034	12.2	18.3
8 29	0 25.89	− 7 35.8	2.127	3.053	9.1	18.2
9 8	0 18.10	− 7 49.1	2.097	3.072	5.8	18.0
9 18	0 9.23	− 8 0.7	2.094	3.090	2.9	17.9
9 28	0 0.09	− 8 6.5	2.120	3.109	3.6	17.9
10 8	23 51.54	− 8 3.6	2.175	3.128	6.6	18.2
10 18	23 44.30	− 7 50.1	2.257	3.146	9.6	18.4
10 28	23 38.91	− 7 25.3	2.363	3.165	12.3	18.6

164471 2006 DP_{207} 9 23.9 133°.57 0°.5/24.3 17

8 19	0 29.22	+ 5 28.0	1.434	2.283	17.5	20.5
8 29	0 24.86	+ 4 45.4	1.368	2.289	13.4	20.3
9 8	0 17.98	+ 3 43.0	1.322	2.294	8.7	20.0
9 18	0 9.32	+ 2 25.8	1.300	2.299	3.5	19.7
9 28	0 0.02	+ 1 1.9	1.304	2.304	2.1	19.6
10 8	23 51.35	− 0 18.5	1.335	2.309	7.3	20.0
10 18	23 44.42	− 1 26.9	1.391	2.313	12.0	20.3
10 28	23 40.03	− 2 16.8	1.468	2.317	16.1	20.5

255521 2006 DV_{4} 9 23.9 64°.29 0°.5/24.2 17

8 19	0 35.34	+ 2 49.6	1.168	2.029	19.9	20.4
8 29	0 29.59	+ 2 45.9	1.126	2.053	15.1	20.2
9 8	0 20.92	+ 2 25.8	1.103	2.078	9.7	19.9
9 18	0 10.36	+ 1 53.7	1.103	2.102	3.8	19.7
9 28	23 59.40	+ 1 16.8	1.127	2.127	2.3	19.7
10 8	23 49.57	+ 0 43.2	1.177	2.152	7.8	20.1
10 18	23 42.07	+ 0 19.3	1.250	2.177	12.8	20.4
10 28	23 37.59	+ 0 9.5	1.344	2.201	16.8	20.8

391138 2005 YR 9 23.9 307°.58 26°.5/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 43.50	−53 35.2	1.004	1.806	26.5	20.2
8 29	0 38.88	−56 16.9	0.995	1.793	26.8	20.2
9 8	0 28.26	−58 8.1	0.997	1.779	27.5	20.2
9 18	0 13.35	−58 53.1	1.008	1.767	28.6	20.2
9 28	23 57.45	−58 23.3	1.029	1.754	29.8	20.3
10 8	23 44.08	−56 41.6	1.058	1.743	31.1	20.4
10 18	23 35.42	−53 58.3	1.093	1.732	32.3	20.5
10 28	23 32.15	−50 26.7	1.135	1.721	33.4	20.6

240697 Gemenc 9 23.9 29°.74 2°.5/22.3 18

8 19	0 30.87	− 4 33.6	1.200	2.082	18.1	18.6
8 29	0 26.06	− 4 41.1	1.164	2.105	13.5	18.4
9 8	0 18.60	− 4 55.7	1.148	2.130	8.4	18.2
9 18	0 9.47	− 5 11.4	1.155	2.156	3.5	18.0
9 28	0 0.04	− 5 21.7	1.187	2.183	4.0	18.1
10 8	23 51.68	− 5 21.4	1.243	2.211	8.6	18.5
10 18	23 45.43	− 5 7.6	1.322	2.240	13.0	18.8
10 28	23 41.92	− 4 39.3	1.422	2.269	16.6	19.1

434054 2001 UR_{43} 9 23.9 314°.58 1°.8/22.6 18

8 19	0 28.12	− 1 51.0	1.395	2.267	16.6	20.9
8 29	0 24.32	− 2 14.0	1.316	2.252	12.6	20.6
9 8	0 17.86	− 2 48.7	1.257	2.237	8.0	20.3
9 18	0 9.37	− 3 29.8	1.221	2.222	3.1	20.0
9 28	23 59.97	− 4 10.1	1.211	2.208	3.5	20.0
10 8	23 51.00	− 4 41.7	1.226	2.195	8.6	20.2
10 18	23 43.72	− 4 58.6	1.264	2.182	13.5	20.5
10 28	23 39.07	− 4 57.1	1.323	2.169	17.7	20.7

182791 2002 AN_{19} 9 23.9 253°.48 1°.5/22.2 18

8 19	0 25.72	− 1 43.4	2.166	3.019	12.2	21.1
8 29	0 21.49	− 2 23.8	2.086	3.013	9.2	20.9
9 8	0 15.54	− 3 12.7	2.030	3.007	5.7	20.7
9 18	0 8.36	− 4 5.8	2.000	3.001	2.3	20.4
9 28	0 0.70	− 4 57.6	1.999	2.994	2.8	20.5
10 8	23 53.38	− 5 42.6	2.026	2.988	6.3	20.7
10 18	23 47.15	− 6 16.3	2.080	2.982	9.8	20.9
10 28	23 42.63	− 6 35.7	2.158	2.975	12.8	21.1

405799 2006 BT_{30} 9 23.9 306°.77 3°.5/20.2 17

8 19	0 24.37	− 6 36.6	1.991	2.860	12.5	21.2
8 29	0 20.71	− 7 32.5	1.907	2.843	9.4	21.0
9 8	0 15.17	− 8 35.0	1.847	2.825	6.1	20.8
9 18	0 8.27	− 9 38.2	1.812	2.807	3.6	20.6
9 28	0 0.76	−10 35.0	1.805	2.790	4.8	20.6
10 8	23 53.55	−11 19.4	1.826	2.773	8.1	20.8
10 18	23 47.48	−11 46.7	1.871	2.756	11.5	21.0
10 28	23 43.24	−11 54.8	1.938	2.740	14.6	21.1

318461 2005 ET_{21} 9 23.9 84°.89 1°.6/22.6 17

8 19	0 29.07	+ 1 3.6	1.404	2.268	17.0	20.7
8 29	0 24.60	+ 0 0.1	1.352	2.284	12.7	20.5
9 8	0 17.71	− 1 18.4	1.322	2.300	7.9	20.3
9 18	0 9.19	− 2 44.5	1.315	2.316	2.9	20.0
9 28	0 0.20	− 4 8.6	1.335	2.332	3.3	20.1
10 8	23 51.99	− 5 21.0	1.381	2.347	8.1	20.4
10 18	23 45.57	− 6 15.0	1.452	2.363	12.5	20.7
10 28	23 41.63	− 6 47.0	1.544	2.378	16.2	21.0

516217 2016 TT_{83} 9 23.9 319°.33 0°.4/23.5 18

8 19	0 20.97	+ 5 50.2	1.471	2.331	16.6	20.6
8 29	0 18.74	+ 4 31.3	1.387	2.315	12.7	20.3
9 8	0 14.23	+ 2 47.8	1.323	2.300	8.2	20.0
9 18	0 7.98	+ 0 45.4	1.284	2.285	3.0	19.6
9 28	0 0.95	− 1 25.5	1.271	2.270	2.5	19.6
10 8	23 54.29	− 3 31.8	1.284	2.256	7.8	19.9
10 18	23 49.07	− 5 21.9	1.322	2.243	12.7	20.1
10 28	23 46.14	− 6 47.1	1.382	2.231	16.9	20.3

450251 2003 TO_{3} 9 23.9 318°.72 5°.9/18.8 18

8 19	0 29.83	−15 9.0	1.902	2.772	13.0	20.0
8 29	0 25.00	−15 42.5	1.818	2.747	10.1	19.7
9 8	0 17.98	−16 14.0	1.757	2.724	7.4	19.5
9 18	0 9.35	−16 36.8	1.721	2.700	5.9	19.4
9 28	0 0.02	−16 44.7	1.711	2.678	7.1	19.4
10 8	23 51.05	−16 33.3	1.728	2.655	10.0	19.6
10 18	23 43.43	−16 0.9	1.769	2.633	13.2	19.7
10 28	23 37.93	−15 8.3	1.831	2.612	16.2	19.9

353364 2010 XC_{77} 9 23.9 330°.33 3°.7/17.1 17

8 19	0 19.86	−15 58.1	3.785	4.646	7.3	20.0
8 29	0 16.41	−16 41.9	3.716	4.640	5.6	19.8
9 8	0 12.01	−17 24.1	3.672	4.633	4.2	19.7
9 18	0 6.97	−18 1.5	3.657	4.627	3.7	19.7
9 28	0 1.70	−18 30.8	3.671	4.620	4.4	19.7
10 8	23 56.62	−18 49.7	3.712	4.614	5.9	19.8
10 18	23 52.14	−18 56.9	3.779	4.608	7.6	19.9
10 28	23 48.61	−18 51.6	3.870	4.602	9.1	20.1

341831 2008 CU_{64} 9 23.9 112°.13 1°.0/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 21.68	+ 6 41.0	3.218	4.031	9.6	21.1
8 29	0 17.90	+ 6 21.7	3.135	4.034	7.4	20.9
9 8	0 13.01	+ 5 53.1	3.076	4.037	4.9	20.8
9 18	0 7.36	+ 5 17.1	3.045	4.039	2.3	20.6
9 28	0 1.43	+ 4 36.5	3.043	4.042	1.2	20.5
10 8	23 55.73	+ 3 54.6	3.071	4.044	3.6	20.7
10 18	23 50.73	+ 3 14.9	3.127	4.047	6.2	20.9
10 28	23 46.84	+ 2 40.4	3.211	4.050	8.5	21.1

174312 2002 TF_{73} 9 23.9 317°.52 3°.9/27.5 18

8 19	0 26.09	+12 18.7	1.769	2.582	16.2	19.7
8 29	0 22.30	+12 27.0	1.683	2.574	13.1	19.4
9 8	0 16.33	+12 15.6	1.616	2.565	9.5	19.2
9 18	0 8.75	+11 45.0	1.574	2.557	5.9	19.0
9 28	0 0.45	+10 58.2	1.557	2.550	3.9	18.9
10 8	23 52.49	+10 1.0	1.567	2.542	6.2	19.0
10 18	23 45.86	+ 9 0.8	1.602	2.535	10.0	19.2
10 28	23 41.37	+ 8 5.3	1.661	2.528	13.6	19.4

112447 2002 OB_{7} 9 23.9 349°.99 0°.4/23.5 18

8 19	0 18.25	+ 5 38.0	1.315	2.187	17.4	18.9
8 29	0 16.81	+ 4 22.4	1.243	2.178	13.3	18.6
9 8	0 13.03	+ 2 41.7	1.191	2.170	8.5	18.3
9 18	0 7.53	+ 0 42.8	1.163	2.164	3.1	18.0
9 28	0 1.31	− 1 23.0	1.159	2.159	2.5	18.0
10 8	23 55.57	− 3 22.2	1.181	2.155	8.0	18.3
10 18	23 51.38	− 5 3.1	1.226	2.152	13.0	18.6
10 28	23 49.55	− 6 17.8	1.292	2.151	17.2	18.8

361964 2008 JC_{30} 9 23.9 77°.65 1°.5/25.8 18

8 19	0 24.06	+ 8 26.7	2.185	3.006	13.3	21.3
8 29	0 20.19	+ 7 55.1	2.110	3.012	10.3	21.1
9 8	0 14.68	+ 7 8.2	2.056	3.018	7.0	20.9
9 18	0 8.04	+ 6 8.8	2.029	3.023	3.4	20.7
9 28	0 0.98	+ 5 1.6	2.030	3.029	1.8	20.6
10 8	23 54.30	+ 3 52.8	2.059	3.034	5.0	20.8
10 18	23 48.71	+ 2 48.2	2.116	3.040	8.4	21.0
10 28	23 44.76	+ 1 53.2	2.198	3.046	11.5	21.2

356445 2010 XD_{45} 9 23.9 319°.81 5°.1/13.5 17

8 19	0 20.88	−24 56.1	4.012	4.861	7.2	20.2
8 29	0 17.15	−25 44.9	3.956	4.856	6.0	20.1
9 8	0 12.46	−26 28.3	3.926	4.851	5.2	20.0
9 18	0 7.14	−27 3.0	3.922	4.846	5.2	20.0
9 28	0 1.60	−27 26.0	3.946	4.842	5.9	20.1
10 8	23 56.28	−27 35.5	3.996	4.837	7.0	20.2
10 18	23 51.58	−27 30.8	4.070	4.833	8.3	20.2
10 28	23 47.86	−27 12.2	4.165	4.828	9.5	20.3

470591 2008 KW_{26} 9 23.9 105°.20 4°.0/20.2 17

8 19	0 27.80	− 5 36.6	1.554	2.429	15.1	21.4
8 29	0 23.57	− 6 53.7	1.496	2.434	11.3	21.2
9 8	0 17.06	− 8 19.0	1.460	2.439	7.2	21.0
9 18	0 8.97	− 9 44.3	1.449	2.445	4.2	20.8
9 28	0 0.35	−10 59.7	1.465	2.450	5.6	20.9
10 8	23 52.35	−11 57.4	1.507	2.455	9.4	21.2
10 18	23 45.94	−12 32.6	1.572	2.460	13.2	21.4
10 28	23 41.84	−12 43.7	1.659	2.465	16.5	21.6

193271 2000 SC_{184} 9 23.9 304°.73 2°.2/25.9 18

8 19	0 25.01	+ 8 37.7	1.565	2.404	16.8	19.8
8 29	0 21.78	+ 8 20.0	1.475	2.387	13.3	19.5
9 8	0 16.18	+ 7 41.4	1.405	2.370	9.1	19.2
9 18	0 8.74	+ 6 43.7	1.358	2.353	4.6	18.9
9 28	0 0.44	+ 5 32.3	1.337	2.336	2.5	18.7
10 8	23 52.46	+ 4 15.4	1.342	2.320	6.7	19.0
10 18	23 45.90	+ 3 2.2	1.372	2.304	11.4	19.2
10 28	23 41.68	+ 2 1.1	1.424	2.288	15.6	19.4

280067 2002 CD_{150} 9 23.9 84°.34 3°.6/20.5 17

8 19	0 28.13	− 5 26.1	1.672	2.541	14.4	20.6
8 29	0 23.56	− 6 33.8	1.620	2.556	10.7	20.4
9 8	0 16.91	− 7 48.3	1.591	2.570	6.8	20.2
9 18	0 8.88	− 9 2.0	1.588	2.584	3.8	20.0
9 28	0 0.45	−10 6.9	1.612	2.598	4.9	20.1
10 8	23 52.66	−10 56.1	1.663	2.612	8.5	20.4
10 18	23 46.39	−11 25.6	1.738	2.626	12.1	20.6
10 28	23 42.28	−11 34.2	1.835	2.640	15.2	20.9

326044 2010 XH_{83} 9 23.9 317°.68 2°.6/21.1 18

8 19	0 24.92	− 4 47.3	2.016	2.881	12.5	20.5
8 29	0 21.03	− 5 32.5	1.940	2.873	9.4	20.3
9 8	0 15.32	− 6 24.5	1.886	2.865	5.9	20.0
9 18	0 8.31	− 7 18.1	1.859	2.857	2.9	19.8
9 28	0 0.79	− 8 7.2	1.860	2.850	3.9	19.9
10 8	23 53.63	− 8 46.1	1.887	2.842	7.3	20.1
10 18	23 47.63	− 9 10.6	1.941	2.835	10.7	20.3
10 28	23 43.43	− 9 18.3	2.017	2.828	13.8	20.5

110894 2001 UP_{114} 9 23.9 323°.25 0°.1/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 24.79	+ 2 47.3	1.803	2.654	14.4	19.5
8 29	0 21.16	+ 2 16.8	1.722	2.646	11.0	19.3
9 8	0 15.53	+ 1 32.6	1.664	2.638	7.0	19.0
9 18	0 8.43	+ 0 38.6	1.630	2.630	2.6	18.7
9 28	0 0.71	− 0 19.4	1.623	2.623	1.9	18.7
10 8	23 53.38	− 1 14.5	1.643	2.615	6.4	19.0
10 18	23 47.31	− 2 0.5	1.689	2.609	10.5	19.2
10 28	23 43.24	− 2 32.4	1.759	2.602	14.1	19.4

131531 2001 UL_{81} 9 23.9 255°.25 2°.0/22.4 17

8 19	0 30.48	− 1 12.0	1.427	2.293	16.7	20.0
8 29	0 26.06	− 1 54.0	1.349	2.282	12.7	19.7
9 8	0 18.95	− 2 49.6	1.292	2.271	8.0	19.4
9 18	0 9.81	− 3 52.8	1.259	2.260	3.1	19.1
9 28	23 59.77	− 4 55.2	1.252	2.248	3.7	19.1
10 8	23 50.21	− 5 47.6	1.271	2.236	8.7	19.4
10 18	23 42.36	− 6 23.2	1.314	2.224	13.6	19.6
10 28	23 37.18	− 6 38.0	1.377	2.212	17.8	19.8

446195 2013 FJ_{27} 9 23.9 45°.14 1°.2/22.9 18

8 19	0 28.92	− 2 0.5	2.016	2.867	13.1	20.8
8 29	0 23.94	− 2 12.7	1.947	2.872	9.8	20.6
9 8	0 17.09	− 2 31.9	1.901	2.876	6.2	20.4
9 18	0 8.96	− 2 54.6	1.881	2.881	2.3	20.1
9 28	0 0.40	− 3 16.3	1.889	2.886	2.4	20.1
10 8	23 52.30	− 3 32.6	1.925	2.891	6.2	20.4
10 18	23 45.46	− 3 40.0	1.988	2.897	9.8	20.6
10 28	23 40.53	− 3 36.2	2.075	2.902	12.9	20.9

156743 2002 XM_{75} 9 23.9 279°.05 0°.1/24.0 18

8 19	0 29.06	+ 2 53.5	1.596	2.447	15.9	20.6
8 29	0 24.82	+ 2 34.5	1.506	2.429	12.3	20.4
9 8	0 18.11	+ 2 0.5	1.438	2.411	8.0	20.1
9 18	0 9.50	+ 1 14.7	1.393	2.393	3.1	19.7
9 28	23 59.96	+ 0 23.0	1.375	2.375	2.1	19.6
10 8	23 50.74	− 0 27.2	1.383	2.356	7.2	19.9
10 18	23 42.98	− 1 8.6	1.417	2.338	12.0	20.1
10 28	23 37.64	− 1 35.6	1.472	2.319	16.2	20.3

100054 1992 BG_{4} 9 23.9 199°.95 3°.8/20.7 18

8 19	0 30.60	− 5 17.6	1.524	2.394	15.6	20.3
8 29	0 25.84	− 6 21.0	1.456	2.392	11.7	20.0
9 8	0 18.62	− 7 33.4	1.411	2.390	7.5	19.8
9 18	0 9.62	− 8 47.1	1.391	2.387	4.0	19.6
9 28	23 59.94	− 9 52.6	1.397	2.384	5.3	19.6
10 8	23 50.84	−10 41.9	1.429	2.381	9.4	19.9
10 18	23 43.41	−11 10.0	1.486	2.378	13.6	20.1
10 28	23 38.47	−11 14.9	1.563	2.374	17.1	20.4

30946 1994 HB 9 23.9 26°.89 0°.4/24.2 18

8 19	0 24.23	+ 4 26.8	0.841	1.736	22.6	18.9
8 29	0 22.07	+ 3 57.7	0.803	1.749	17.2	18.6
9 8	0 16.61	+ 3 3.5	0.781	1.763	11.0	18.4
9 18	0 8.89	+ 1 51.7	0.778	1.779	4.3	18.1
9 28	0 0.53	+ 0 34.3	0.796	1.796	2.6	18.1
10 8	23 53.29	− 0 35.2	0.835	1.815	9.1	18.5
10 18	23 48.50	− 1 26.5	0.895	1.835	14.8	18.9
10 28	23 46.92	− 1 53.8	0.972	1.856	19.5	19.3

396217 2013 YX_{125} 9 23.9 215°.45 3°.6/20.5 18

8 19	0 27.98	− 6 9.6	1.779	2.646	13.8	21.0
8 29	0 23.53	− 7 8.9	1.710	2.644	10.3	20.7
9 8	0 16.99	− 8 14.8	1.664	2.642	6.6	20.5
9 18	0 8.97	− 9 20.8	1.644	2.640	3.8	20.3
9 28	0 0.41	−10 19.2	1.652	2.637	4.9	20.4
10 8	23 52.32	−11 3.2	1.686	2.635	8.5	20.6
10 18	23 45.62	−11 28.6	1.745	2.632	12.1	20.8
10 28	23 41.03	−11 33.7	1.826	2.629	15.3	21.1

390527 1997 EV_{5} 9 23.9 116°.21 0°.5/23.4 16

8 19	0 26.29	+ 3 3.2	1.941	2.785	13.8	21.8
8 29	0 22.00	+ 2 5.9	1.875	2.796	10.4	21.6
9 8	0 15.88	+ 0 55.2	1.832	2.806	6.5	21.4
9 18	0 8.52	− 0 24.0	1.815	2.816	2.4	21.1
9 28	0 0.74	− 1 44.8	1.827	2.825	2.1	21.1
10 8	23 53.44	− 2 59.8	1.867	2.835	6.2	21.4
10 18	23 47.40	− 4 3.0	1.933	2.844	9.9	21.6
10 28	23 43.24	− 4 50.0	2.024	2.853	13.1	21.9

477871 2011 HC_{40} 9 23.9 41°.66 12°.2/15.5 17

8 19	0 35.99	−27 35.4	1.377	2.244	17.1	20.3
8 29	0 29.93	−28 44.5	1.348	2.257	14.5	20.1
9 8	0 21.05	−29 35.7	1.340	2.271	12.7	20.1
9 18	0 10.43	−29 58.5	1.353	2.285	12.3	20.1
9 28	23 59.54	−29 46.3	1.388	2.299	13.4	20.2
10 8	23 49.87	−28 58.3	1.445	2.314	15.5	20.4
10 18	23 42.50	−27 38.8	1.522	2.330	17.8	20.6
10 28	23 38.07	−25 54.4	1.617	2.346	20.0	20.8

321604 2009 VV_2 9 23.9 315°.93 3°.5/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 21.75	+18 59.7	4.208	4.939	8.8	20.2
8 29	0 17.82	+19 19.0	4.107	4.933	7.4	20.1
9 8	0 12.93	+19 28.0	4.029	4.927	5.9	20.0
9 18	0 7.37	+19 26.3	3.976	4.921	4.4	19.8
9 28	0 1.52	+19 14.8	3.951	4.915	3.6	19.8
10 8	23 55.79	+18 55.2	3.956	4.910	3.9	19.8
10 18	23 50.59	+18 29.6	3.989	4.904	5.1	19.9
10 28	23 46.28	+18 1.1	4.050	4.898	6.7	20.0

407616 2011 CP_1 9 23.9 270°.53 3°.7/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.07	+13 0.8	2.506	3.290	12.8	21.0
8 29	0 23.22	+13 24.1	2.406	3.277	10.5	20.8
9 8	0 16.68	+13 33.8	2.328	3.264	7.8	20.7
9 18	0 8.87	+13 29.7	2.275	3.250	5.1	20.5
9 28	0 0.47	+13 12.9	2.250	3.237	3.7	20.4
10 8	23 52.25	+12 46.7	2.254	3.224	5.2	20.4
10 18	23 44.98	+12 15.1	2.287	3.210	7.9	20.6
10 28	23 39.30	+11 43.2	2.345	3.196	10.7	20.7

183288 Eyer 9 23.9 73°.69 1°.2/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.32	+ 2 10.4	1.385	2.246	17.3	21.0
8 29	0 24.73	+ 1 4.1	1.340	2.270	13.0	20.8
9 8	0 17.75	− 0 18.0	1.316	2.293	8.0	20.6
9 18	0 9.22	− 1 48.2	1.316	2.317	2.9	20.3
9 28	0 0.32	− 3 16.5	1.343	2.340	3.0	20.4
10 8	23 52.27	− 4 33.3	1.396	2.364	7.8	20.7
10 18	23 46.05	− 5 31.8	1.473	2.387	12.2	21.1
10 28	23 42.30	− 6 8.4	1.573	2.409	15.8	21.4

22285 1987 RR 9 23.9 355°.53 3°.1/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 20.44	− 2 52.7	1.695	2.573	13.9	17.1
8 29	0 17.93	− 4 18.9	1.628	2.569	10.3	16.9
9 8	0 13.49	− 5 56.6	1.584	2.565	6.4	16.6
9 18	0 7.67	− 7 38.2	1.565	2.563	3.3	16.4
9 28	0 1.33	− 9 14.2	1.573	2.561	4.7	16.5
10 8	23 55.42	−10 35.7	1.607	2.561	8.5	16.8
10 18	23 50.77	−11 36.4	1.666	2.561	12.2	17.0
10 28	23 48.06	−12 13.3	1.746	2.561	15.4	17.2

192305 1993 FE_{45} 9 23.9 194°.50 0°.4/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.76	+ 1 22.8	1.980	2.823	13.6	20.9
8 29	0 23.94	+ 0 56.0	1.902	2.822	10.3	20.7
9 8	0 17.19	+ 0 18.3	1.847	2.821	6.5	20.5
9 18	0 9.06	− 0 26.7	1.819	2.819	2.4	20.2
9 28	0 0.40	− 1 13.8	1.818	2.817	2.0	20.2
10 8	23 52.14	− 1 57.0	1.846	2.815	6.1	20.5
10 18	23 45.14	− 2 31.4	1.900	2.812	10.0	20.7
10 28	23 40.07	− 2 53.3	1.978	2.809	13.3	20.9

21970 Tyle 9 23.9 8°.63 6°.5/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.84	− 9 51.3	1.010	1.915	18.8	16.8
8 29	0 23.83	−10 47.3	0.964	1.915	14.3	16.5
9 8	0 17.68	−11 47.2	0.935	1.917	9.6	16.3
9 18	0 9.33	−12 39.9	0.928	1.921	6.6	16.2
9 28	0 0.26	−13 14.1	0.942	1.926	8.2	16.3
10 8	23 52.14	−13 22.2	0.978	1.932	12.5	16.5
10 18	23 46.29	−13 1.8	1.035	1.939	17.0	16.8
10 28	23 43.54	−12 14.7	1.108	1.948	20.9	17.1

84079 2002 QD_5 9 23.9 333°.16 1°.0/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.67	+ 6 41.7	1.271	2.133	18.5	19.3
8 29	0 21.10	+ 6 2.4	1.198	2.125	14.4	19.0
9 8	0 15.89	+ 4 58.9	1.143	2.117	9.5	18.7
9 18	0 8.69	+ 3 35.6	1.111	2.110	4.0	18.4
9 28	0 0.63	+ 2 1.2	1.103	2.103	2.1	18.3
10 8	23 53.09	+ 0 27.5	1.119	2.097	7.7	18.6
10 18	23 47.28	− 0 54.3	1.159	2.092	13.0	18.9
10 28	23 44.12	− 1 55.8	1.220	2.087	17.5	19.1

320058 2007 EQ_{22} 9 23.9 160°.86 0°.5/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.30	+ 1 16.8	2.557	3.394	11.1	21.8
8 29	0 20.89	+ 0 42.2	2.481	3.398	8.4	21.6
9 8	0 15.04	− 0 1.0	2.429	3.401	5.2	21.4
9 18	0 8.20	− 0 49.8	2.404	3.404	1.9	21.2
9 28	0 1.01	− 1 39.6	2.408	3.407	1.7	21.2
10 8	23 54.13	− 2 25.9	2.442	3.409	5.0	21.4
10 18	23 48.19	− 3 4.8	2.504	3.412	8.1	21.6
10 28	23 43.70	− 3 33.0	2.592	3.414	10.8	21.8

423469 2005 SW_{200} 9 23.9 81°.46 0°.2/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.86	+ 4 59.9	1.526	2.375	16.6	21.4
8 29	0 23.60	+ 4 11.3	1.468	2.389	12.7	21.2
9 8	0 17.08	+ 3 4.9	1.431	2.404	8.1	21.0
9 18	0 9.02	+ 1 46.1	1.418	2.418	3.1	20.7
9 28	0 0.48	+ 0 23.1	1.432	2.432	2.0	20.6
10 8	23 52.62	− 0 55.0	1.473	2.447	6.8	21.0
10 18	23 46.37	− 2 0.4	1.540	2.461	11.2	21.3
10 28	23 42.44	− 2 47.8	1.629	2.475	14.9	21.6

168169 2006 HP_{69} 9 23.9 57°.12 8°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 29.94	−18 44.4	1.581	2.459	14.7	19.5
8 29	0 25.05	−20 6.5	1.546	2.475	11.6	19.3
9 8	0 17.90	−21 21.6	1.533	2.491	9.2	19.2
9 18	0 9.29	−22 20.1	1.544	2.507	8.4	19.2
9 28	0 0.35	−22 54.4	1.581	2.523	9.8	19.3
10 8	23 52.24	−23 0.8	1.641	2.540	12.3	19.5
10 18	23 45.87	−22 39.6	1.723	2.557	14.9	19.8
10 28	23 41.86	−21 53.8	1.824	2.573	17.3	20.0

392372 2010 HW_{23} 9 23.9 154°.74 6°.7/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.62	−16 37.2	2.021	2.890	12.3	20.7
8 29	0 23.77	−17 59.1	1.968	2.894	9.7	20.5
9 8	0 17.02	−19 18.1	1.939	2.898	7.4	20.4
9 18	0 8.98	−20 26.5	1.936	2.902	6.7	20.4
9 28	0 0.53	−21 17.1	1.960	2.905	8.0	20.4
10 8	23 52.60	−21 45.4	2.010	2.908	10.4	20.6
10 18	23 45.99	−21 49.9	2.083	2.911	12.9	20.8
10 28	23 41.33	−21 31.4	2.177	2.914	15.2	21.0

487262 2014 PR_{37} 9 23.9 298°.08 3°.2/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 23.06	− 6 24.0	2.280	3.145	11.2	20.7
8 29	0 19.44	− 7 34.0	2.206	3.140	8.4	20.5
9 8	0 14.24	− 8 49.8	2.157	3.135	5.4	20.3
9 18	0 7.94	−10 5.7	2.136	3.130	3.3	20.2
9 28	0 1.22	−11 15.1	2.143	3.125	4.4	20.2
10 8	23 54.81	−12 12.4	2.178	3.120	7.3	20.4
10 18	23 49.40	−12 53.5	2.238	3.115	10.3	20.6
10 28	23 45.55	−13 16.3	2.322	3.110	12.9	20.8

12617 Angelusilesius 9 23.9 4°.32 3°.3/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.90	− 6 14.4	1.441	2.316	16.0	17.0
8 29	0 25.39	− 6 34.5	1.378	2.316	12.0	16.7
9 8	0 18.36	− 7 0.0	1.336	2.316	7.7	16.5
9 18	0 9.56	− 7 25.1	1.319	2.317	3.8	16.3
9 28	0 0.14	− 7 43.0	1.327	2.319	4.6	16.3
10 8	23 51.37	− 7 48.1	1.360	2.321	8.8	16.6
10 18	23 44.35	− 7 37.2	1.417	2.324	13.1	16.9
10 28	23 39.88	− 7 9.1	1.495	2.327	16.7	17.1

70765 1999 VK_{33} 9 23.9 274°.10 0°.8/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.92	+ 0 53.1	1.957	2.804	13.6	19.9
8 29	0 23.56	+ 0 21.0	1.860	2.782	10.4	19.6
9 8	0 17.13	− 0 23.1	1.784	2.759	6.6	19.4
9 18	0 9.13	− 1 15.4	1.735	2.735	2.4	19.1
9 28	0 0.37	− 2 10.5	1.713	2.712	2.3	19.0
10 8	23 51.82	− 3 1.7	1.720	2.688	6.6	19.2
10 18	23 44.43	− 3 43.2	1.753	2.663	10.7	19.4
10 28	23 39.01	− 4 10.4	1.809	2.639	14.4	19.6

68212 2001 CM_{13} 9 23.9 106°.15 4°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.35	−11 36.9	2.471	3.335	10.5	18.7
8 29	0 20.91	−12 47.0	2.419	3.349	7.9	18.6
9 8	0 15.03	−13 57.5	2.393	3.363	5.5	18.5
9 18	0 8.20	−15 2.7	2.395	3.377	4.3	18.4
9 28	0 1.08	−15 57.2	2.425	3.390	5.4	18.5
10 8	23 54.38	−16 36.7	2.483	3.403	7.7	18.7
10 18	23 48.71	−16 59.0	2.566	3.416	10.1	18.9
10 28	23 44.54	−17 3.7	2.672	3.429	12.2	19.0

471222 2010 XN_{44} 9 23.9 232°.04 5°.6/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.06	−10 51.7	1.795	2.665	13.6	21.1
8 29	0 25.25	−12 15.1	1.720	2.653	10.4	20.9
9 8	0 18.20	−13 42.9	1.669	2.641	7.3	20.7
9 18	0 9.52	−15 6.5	1.644	2.628	5.6	20.5
9 28	0 0.14	−16 16.8	1.646	2.615	7.1	20.6
10 8	23 51.17	−17 6.5	1.675	2.601	10.3	20.8
10 18	23 43.61	−17 31.6	1.728	2.586	13.7	20.9
10 28	23 38.25	−17 31.5	1.801	2.571	16.8	21.1

93455 2000 SS_{352} 9 23.9 23°.16 15°.6/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 48.10	−38 21.9	1.453	2.274	18.8	19.1
8 29	0 39.19	−39 10.7	1.420	2.278	17.0	19.0
9 8	0 26.92	−39 31.5	1.405	2.283	15.9	18.9
9 18	0 12.64	−39 13.2	1.411	2.288	15.7	18.9
9 28	23 58.24	−38 10.1	1.438	2.294	16.5	19.0
10 8	23 45.54	−36 24.5	1.486	2.301	18.0	19.1
10 18	23 35.81	−34 4.2	1.553	2.308	19.8	19.3
10 28	23 29.65	−31 19.3	1.639	2.316	21.5	19.4

250024 2002 CA_{12} 9 23.9 219°.74 0°.4/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 33.26	+ 2 50.1	1.548	2.393	16.6	20.8
8 29	0 27.97	+ 2 43.6	1.469	2.388	12.8	20.6
9 8	0 20.08	+ 2 23.2	1.412	2.383	8.3	20.3
9 18	0 10.27	+ 1 51.9	1.378	2.378	3.3	20.0
9 28	23 59.63	+ 1 15.0	1.372	2.372	2.0	19.9
10 8	23 49.49	+ 0 39.3	1.392	2.365	7.1	20.2
10 18	23 41.02	+ 0 11.0	1.438	2.358	11.9	20.5
10 28	23 35.12	− 0 4.8	1.506	2.351	15.9	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
323193 2003 QP_{35}			9 23.9	11°.25	3°.0/26.4 18	
	h m	° ′			°	m
8 19	0 28.32	+ 8 1.2	1.742	2.571	15.8	19.3
8 29	0 23.88	+ 8 32.8	1.670	2.574	12.5	19.1
9 8	0 17.28	+ 8 49.8	1.620	2.578	8.7	18.9
9 18	0 9.15	+ 8 52.6	1.593	2.583	4.9	18.7
9 28	0 0.42	+ 8 43.8	1.593	2.589	3.1	18.6
10 8	23 52.16	+ 8 27.6	1.620	2.595	6.0	18.8
10 18	23 45.33	+ 8 9.3	1.672	2.603	9.8	19.0
10 28	23 40.67	+ 7 54.3	1.748	2.611	13.2	19.3
443661 2015 FF_{301}			9 23.9	52°.66	5°.5/18.6 18	
8 19	0 25.98	− 8 35.7	1.471	2.356	15.2	20.2
8 29	0 22.21	−10 14.3	1.429	2.371	11.4	20.1
9 8	0 16.19	−11 57.1	1.409	2.387	7.6	19.9
9 18	0 8.69	−13 33.9	1.415	2.403	5.5	19.8
9 28	0 0.78	−14 54.5	1.446	2.420	7.1	19.9
10 8	23 53.60	−15 51.3	1.502	2.437	10.5	20.2
10 18	23 48.07	−16 21.1	1.581	2.454	14.0	20.4
10 28	23 44.82	−16 24.0	1.679	2.471	16.9	20.7
181880 1999 PE_{7}			9 23.9	205°.84	1°.0/24.8 17	R
8 19	0 30.67	+ 5 27.6	1.645	2.483	16.2	21.0
8 29	0 25.85	+ 5 8.4	1.566	2.480	12.5	20.8
9 8	0 18.65	+ 4 32.6	1.508	2.476	8.3	20.5
9 18	0 9.70	+ 3 43.2	1.475	2.472	3.6	20.2
9 28	0 0.04	+ 2 45.9	1.468	2.468	1.9	20.1
10 8	23 50.83	+ 1 48.1	1.489	2.464	6.6	20.4
10 18	23 43.16	+ 0 57.0	1.536	2.459	11.1	20.7
10 28	23 37.84	+ 0 18.7	1.606	2.453	15.0	20.9
121780 2000 AG_{51}			9 23.9	83°.82	3°.9/28.6 18	
8 19	0 26.02	+14 49.8	2.344	3.126	13.6	19.6
8 29	0 21.66	+14 57.3	2.263	3.131	11.1	19.4
9 8	0 15.65	+14 48.2	2.204	3.137	8.3	19.3
9 18	0 8.49	+14 22.9	2.170	3.143	5.5	19.1
9 28	0 0.88	+13 43.7	2.162	3.148	4.0	19.0
10 8	23 53.61	+12 54.9	2.184	3.154	5.2	19.1
10 18	23 47.39	+12 1.9	2.232	3.159	7.9	19.3
10 28	23 42.82	+11 10.4	2.307	3.165	10.6	19.5
45297 2000 AN_{38}			9 23.9	348°.46	0°.5/24.3 18	
8 19	0 21.54	+ 2 13.9	0.941	1.838	20.6	18.0
8 29	0 20.22	+ 2 20.7	0.877	1.824	15.9	17.7
9 8	0 15.73	+ 2 8.9	0.829	1.812	10.4	17.3
9 18	0 8.76	+ 1 41.7	0.800	1.801	4.2	17.0
9 28	0 0.68	+ 1 6.7	0.793	1.793	2.5	16.8
10 8	23 53.22	+ 0 33.6	0.806	1.787	9.0	17.2
10 18	23 47.91	+ 0 11.5	0.840	1.784	15.0	17.5
10 28	23 45.85	+ 0 7.1	0.891	1.782	20.1	17.8
365931 2011 YN_{60}			9 23.9	333°.03	1°.6/22.2 18	
8 19	0 23.94	− 0 46.5	1.969	2.828	13.0	20.9
8 29	0 20.34	− 1 39.0	1.894	2.824	9.8	20.7
9 8	0 14.93	− 2 42.2	1.842	2.820	6.1	20.5
9 18	0 8.25	− 3 50.8	1.817	2.817	2.4	20.2
9 28	0 1.07	− 4 58.4	1.818	2.814	2.9	20.2
10 8	23 54.27	− 5 58.2	1.848	2.811	6.7	20.5
10 18	23 48.62	− 6 44.8	1.903	2.808	10.4	20.7
10 28	23 44.78	− 7 14.7	1.982	2.805	13.5	20.9
392047 2009 BT_{110}			9 23.9	49°.20	1°.3/22.8 18	
8 19	0 28.25	− 1 1.6	1.752	2.609	14.4	20.9
8 29	0 23.70	− 1 27.8	1.688	2.616	10.9	20.7
9 8	0 17.09	− 2 3.6	1.646	2.623	6.8	20.5
9 18	0 9.06	− 2 44.3	1.629	2.630	2.5	20.2
9 28	0 0.55	− 3 24.1	1.639	2.637	2.7	20.3
10 8	23 52.58	− 3 57.1	1.677	2.644	6.8	20.5
10 18	23 46.04	− 4 18.8	1.740	2.651	10.8	20.8
10 28	23 41.60	− 4 26.1	1.826	2.659	14.1	21.0
262052 2006 RX_{7}			9 23.9	311°.29	1°.9/25.2 18	
8 19	0 29.89	+ 4 58.7	1.299	2.155	18.6	20.4
8 29	0 26.01	+ 5 14.8	1.217	2.140	14.6	20.1
9 8	0 19.19	+ 5 14.3	1.154	2.125	9.9	19.8
9 18	0 10.06	+ 4 58.3	1.112	2.110	4.6	19.5
9 28	23 59.80	+ 4 31.2	1.096	2.095	2.5	19.3
10 8	23 49.93	+ 4 0.0	1.103	2.081	7.7	19.6
10 18	23 41.87	+ 3 32.1	1.135	2.068	13.1	19.8
10 28	23 36.73	+ 3 14.7	1.186	2.055	17.7	20.1
448637 2010 VG_{65}			9 23.9	227°.01	4°.0/19.4 18	
8 19	0 28.23	−11 48.5	2.480	3.338	10.7	21.3
8 29	0 23.19	−12 28.2	2.406	3.333	8.1	21.1
9 8	0 16.56	−13 8.3	2.357	3.327	5.6	20.9
9 18	0 8.84	−13 44.0	2.335	3.320	4.1	20.8
9 28	0 0.71	−14 10.4	2.342	3.314	5.0	20.9
10 8	23 52.92	−14 23.9	2.377	3.307	7.5	21.0
10 18	23 46.17	−14 22.3	2.438	3.301	10.1	21.2
10 28	23 41.01	−14 5.3	2.523	3.294	12.5	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
108735 2001 OE_{32}			9 23.9	31°.95	2°.2/26.2 18	
	h m	° ′			°	m
8 19	0 25.70	+ 9 12.9	1.828	2.654	15.3	20.1
8 29	0 21.81	+ 8 55.1	1.753	2.656	12.0	19.9
9 8	0 15.94	+ 8 19.5	1.699	2.659	8.2	19.6
9 18	0 8.65	+ 7 28.2	1.669	2.661	4.3	19.4
9 28	0 0.82	+ 6 26.2	1.666	2.664	2.3	19.3
10 8	23 53.43	+ 5 20.3	1.691	2.668	5.7	19.5
10 18	23 47.34	+ 4 17.6	1.742	2.671	9.6	19.8
10 28	23 43.25	+ 3 24.5	1.817	2.674	13.1	20.0
274173 2008 GT_{60}			9 23.9	74°.68	2°.9/21.6 17	
8 19	0 30.61	− 3 36.3	1.440	2.310	16.3	20.6
8 29	0 25.73	− 4 28.2	1.392	2.327	12.1	20.4
9 8	0 18.44	− 5 29.0	1.365	2.344	7.6	20.2
9 18	0 9.57	− 6 31.4	1.362	2.361	3.5	20.0
9 28	0 0.28	− 7 26.9	1.386	2.378	4.4	20.1
10 8	23 51.78	− 8 8.2	1.435	2.395	8.6	20.4
10 18	23 45.08	− 8 30.9	1.509	2.411	12.7	20.7
10 28	23 40.86	− 8 33.3	1.604	2.428	16.2	20.9
187850 2000 AB_{48}			9 23.9	247°.38	6°.5/17.6 18	
8 19	0 29.80	−12 50.4	1.699	2.573	14.0	20.6
8 29	0 25.20	−14 16.3	1.627	2.560	10.8	20.4
9 8	0 18.26	−15 44.9	1.578	2.547	7.9	20.2
9 18	0 9.60	−17 6.9	1.554	2.533	6.5	20.1
9 28	0 0.21	−18 12.6	1.557	2.519	8.1	20.1
10 8	23 51.25	−18 54.8	1.585	2.505	11.3	20.3
10 18	23 43.79	−19 10.1	1.637	2.490	14.6	20.5
10 28	23 38.64	−18 58.4	1.708	2.475	17.7	20.7
31387 1998 YA_{2}			9 23.9	169°.94	2°.2/25.7 18	
8 19	0 32.19	+ 7 22.3	1.475	2.311	17.8	18.1
8 29	0 27.23	+ 7 22.2	1.402	2.312	14.0	17.9
9 8	0 19.65	+ 7 3.4	1.349	2.314	9.5	17.6
9 18	0 10.14	+ 6 27.8	1.320	2.315	4.7	17.3
9 28	23 59.86	+ 5 40.5	1.316	2.315	2.6	17.2
10 8	23 50.15	+ 4 49.0	1.339	2.316	6.9	17.5
10 18	23 42.19	+ 4 1.0	1.388	2.316	11.6	17.7
10 28	23 36.86	+ 3 23.6	1.458	2.316	15.7	18.0
147168 2002 VK_{19}			9 23.9	253°.76	2°.2/22.1 18	
8 19	0 30.10	− 2 28.4	1.673	2.533	14.9	20.5
8 29	0 25.44	− 3 7.2	1.591	2.521	11.3	20.2
9 8	0 18.44	− 3 56.5	1.532	2.509	7.1	19.9
9 18	0 9.69	− 4 50.8	1.497	2.497	3.0	19.7
9 28	0 0.17	− 5 42.9	1.490	2.484	3.6	19.7
10 8	23 51.05	− 6 25.5	1.509	2.471	8.0	19.9
10 18	23 43.39	− 6 53.3	1.554	2.458	12.3	20.1
10 28	23 38.04	− 7 2.8	1.621	2.445	16.0	20.4
468502 2005 LQ_{17}			9 23.9	101°.31	4°.2/27.8 17	
8 19	0 29.22	+13 40.2	1.547	2.359	18.2	21.6
8 29	0 24.82	+13 34.5	1.479	2.368	14.7	21.3
9 8	0 18.01	+13 4.7	1.429	2.377	10.6	21.1
9 18	0 9.49	+12 11.8	1.403	2.386	6.5	20.9
9 28	0 0.35	+11 0.8	1.402	2.395	4.2	20.8
10 8	23 51.81	+ 9 40.0	1.428	2.404	6.6	21.0
10 18	23 44.92	+ 8 18.8	1.479	2.413	10.6	21.2
10 28	23 40.47	+ 7 6.3	1.554	2.421	14.4	21.5
391918 2008 UR_{210}			9 23.9	255°.56	4°.3/20.1 18	
8 19	0 32.31	−10 11.1	1.976	2.835	13.0	22.0
8 29	0 26.81	−10 49.5	1.891	2.819	9.9	21.8
9 8	0 19.16	−11 30.3	1.829	2.802	6.7	21.6
9 18	0 9.94	−12 7.5	1.794	2.784	4.4	21.4
9 28	0 0.02	−12 34.8	1.787	2.767	5.5	21.4
10 8	23 50.46	−12 47.2	1.808	2.748	8.7	21.6
10 18	23 42.21	−12 42.0	1.854	2.730	12.1	21.8
10 28	23 36.05	−12 18.2	1.923	2.711	15.2	21.9
376399 2012 FW_{29}			9 23.9	94°.37	1°.4/22.9 17	
8 19	0 34.20	− 1 42.0	1.443	2.303	16.8	21.1
8 29	0 28.59	− 1 56.5	1.384	2.312	12.7	20.9
9 8	0 20.38	− 2 20.9	1.345	2.322	8.0	20.6
9 18	0 10.39	− 2 50.3	1.331	2.331	3.0	20.4
9 28	23 59.81	− 3 18.2	1.343	2.341	3.0	20.4
10 8	23 50.00	− 3 38.5	1.382	2.350	7.9	20.7
10 18	23 42.07	− 3 46.5	1.445	2.359	12.4	21.0
10 28	23 36.79	− 3 39.7	1.530	2.368	16.2	21.3
350262 2012 TA_{186}			9 23.9	225°.89	4°.3/28.8 18	
8 19	0 26.12	+16 13.8	2.005	2.790	15.5	20.9
8 29	0 22.13	+16 1.5	1.916	2.786	12.8	20.7
9 8	0 16.18	+15 27.5	1.847	2.781	9.6	20.5
9 18	0 8.81	+14 32.0	1.802	2.776	6.3	20.3
9 28	0 0.83	+13 18.5	1.783	2.771	4.4	20.2
10 8	23 53.19	+11 53.3	1.792	2.765	5.8	20.2
10 18	23 46.75	+10 24.4	1.829	2.760	9.1	20.4
10 28	23 42.23	+ 8 59.9	1.890	2.754	12.4	20.6

335696 2006 WZ_{205} 9 23.9 146°.30 4°.7/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 29.46	− 8 26.6	1.666	2.538	14.4	20.7
8 29	0 24.77	− 9 37.0	1.606	2.542	10.8	20.5
9 8	0 17.86	−10 52.3	1.569	2.545	7.2	20.3
9 18	0 9.42	−12 4.4	1.558	2.549	4.8	20.2
9 28	0 0.46	−13 4.7	1.573	2.552	6.1	20.3
10 8	23 52.08	−13 46.6	1.615	2.555	9.5	20.5
10 18	23 45.24	−14 6.4	1.680	2.558	13.1	20.7
10 28	23 40.65	−14 3.4	1.767	2.560	16.2	21.0

307791 2003 WZ_{115} 9 23.9 297°.28 7°.7/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.50	+22 3.9	1.824	2.582	17.8	20.4
8 29	0 22.86	+22 37.8	1.727	2.566	15.3	20.2
9 8	0 16.92	+22 47.3	1.648	2.551	12.5	20.0
9 18	0 9.19	+22 29.4	1.590	2.535	9.7	19.8
9 28	0 0.56	+21 43.9	1.555	2.520	7.9	19.6
10 8	23 52.15	+20 35.1	1.546	2.504	8.3	19.6
10 18	23 45.06	+19 10.5	1.563	2.489	10.7	19.7
10 28	23 40.21	+17 40.2	1.603	2.474	13.8	19.9

378168 2006 WC_{60} 9 23.9 344°.66 7°.6/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.38	−10 49.3	0.907	1.825	19.1	19.9
8 29	0 20.25	−11 47.9	0.848	1.807	14.7	19.6
9 8	0 15.83	−12 51.4	0.806	1.790	10.3	19.3
9 18	0 8.87	−13 47.9	0.784	1.776	7.6	19.1
9 28	0 0.81	−14 23.5	0.782	1.764	9.5	19.1
10 8	23 53.45	−14 28.4	0.799	1.755	14.1	19.3
10 18	23 48.33	−13 59.0	0.834	1.747	19.0	19.6
10 28	23 46.54	−12 56.6	0.885	1.742	23.4	19.8

251423 2008 AP_{96} 9 23.9 46°.22 1°.1/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.60	+ 4 19.6	1.755	2.595	15.2	19.9
8 29	0 24.74	+ 4 23.6	1.691	2.606	11.7	19.7
9 8	0 17.79	+ 4 14.7	1.649	2.617	7.7	19.5
9 18	0 9.40	+ 3 55.5	1.632	2.629	3.4	19.3
9 28	0 0.54	+ 3 29.9	1.641	2.641	1.8	19.2
10 8	23 52.23	+ 3 3.4	1.678	2.653	5.9	19.5
10 18	23 45.39	+ 2 41.0	1.741	2.666	9.9	19.8
10 28	23 40.68	+ 2 27.0	1.828	2.679	13.3	20.0

370862 2005 EK_{24} 9 23.9 154°.91 2°.7/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.53	− 2 52.1	1.609	2.472	15.3	21.0
8 29	0 25.66	− 3 50.5	1.545	2.477	11.4	20.8
9 8	0 18.48	− 4 59.3	1.503	2.481	7.2	20.6
9 18	0 9.70	− 6 11.6	1.486	2.485	3.2	20.4
9 28	0 0.34	− 7 18.8	1.497	2.489	4.2	20.4
10 8	23 51.57	− 8 13.3	1.534	2.492	8.3	20.7
10 18	23 44.40	− 8 49.8	1.597	2.495	12.4	20.9
10 28	23 39.56	− 9 5.5	1.681	2.498	15.9	21.2

135792 2002 RJ_{95} 9 23.9 324°.92 0°.3/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.53	+ 1 5.5	1.790	2.640	14.5	19.7
8 29	0 24.04	+ 0 51.4	1.714	2.637	11.1	19.5
9 8	0 17.43	+ 0 26.4	1.659	2.634	7.0	19.2
9 18	0 9.31	− 0 6.2	1.630	2.630	2.6	18.9
9 28	0 0.58	− 0 41.3	1.628	2.627	2.0	18.9
10 8	23 52.28	− 1 13.0	1.653	2.624	6.4	19.2
10 18	23 45.35	− 1 36.4	1.704	2.622	10.5	19.4
10 28	23 40.51	− 1 47.6	1.779	2.619	14.1	19.6

515564 2014 HW_{31} 9 23.9 208°.25 2°.6/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.68	− 4 42.2	2.224	3.078	11.9	22.7
8 29	0 23.00	− 5 35.9	2.146	3.074	8.9	22.5
9 8	0 16.59	− 6 36.2	2.092	3.068	5.6	22.3
9 18	0 8.95	− 7 38.0	2.065	3.062	2.9	22.1
9 28	0 0.83	− 8 35.4	2.068	3.056	3.7	22.2
10 8	23 53.05	− 9 22.7	2.099	3.049	6.9	22.3
10 18	23 46.36	− 9 55.9	2.156	3.042	10.2	22.5
10 28	23 41.39	−10 12.7	2.237	3.035	13.0	22.7

114891 2003 QD_{20} 9 23.9 1°.72 1°.6/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 33.01	+ 2 56.3	1.801	2.637	15.0	18.8
8 29	0 27.43	+ 3 38.3	1.724	2.636	11.7	18.6
9 8	0 19.60	+ 4 11.4	1.669	2.635	7.8	18.4
9 18	0 10.14	+ 4 36.1	1.639	2.635	3.6	18.1
9 28	0 0.04	+ 4 54.2	1.637	2.637	2.1	18.0
10 8	23 50.39	+ 5 8.7	1.664	2.638	6.0	18.3
10 18	23 42.20	+ 5 22.8	1.717	2.641	10.0	18.5
10 28	23 36.25	+ 5 40.3	1.794	2.644	13.5	18.8

299149 2005 EA_{276} 9 23.9 225°.18 4°.9/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.88	+16 10.7	2.298	3.065	14.3	21.3
8 29	0 25.59	+16 36.7	2.200	3.055	11.9	21.2
9 8	0 18.36	+16 45.9	2.123	3.046	9.1	21.0
9 18	0 9.68	+16 37.3	2.070	3.035	6.4	20.8
9 28	0 0.31	+16 12.0	2.045	3.024	4.9	20.7
10 8	23 51.16	+15 33.4	2.048	3.013	6.0	20.7
10 18	23 43.10	+14 46.6	2.080	3.001	8.7	20.9
10 28	23 36.87	+13 58.1	2.136	2.989	11.6	21.0

487304 2014 QX_{73} 9 23.9 0°.34 6°.9/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 26.13	+22 27.0	2.163	2.905	15.8	21.1
8 29	0 22.10	+22 59.8	2.077	2.904	13.5	20.9
9 8	0 16.17	+23 11.3	2.010	2.904	11.0	20.7
9 18	0 8.83	+22 59.6	1.966	2.904	8.6	20.6
9 28	0 0.90	+22 25.4	1.946	2.904	7.1	20.5
10 8	23 53.27	+21 32.4	1.952	2.905	7.3	20.5
10 18	23 46.81	+20 26.7	1.985	2.905	9.1	20.6
10 28	23 42.21	+19 15.9	2.042	2.906	11.6	20.8

250764 2005 SZ_{254} 9 23.9 341°.21 1°.5/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.20	− 1 31.3	1.853	2.713	13.7	20.3
8 29	0 22.19	− 2 3.8	1.779	2.709	10.3	20.1
9 8	0 16.21	− 2 45.6	1.728	2.706	6.5	19.8
9 18	0 8.84	− 3 32.2	1.702	2.703	2.5	19.6
9 28	0 0.92	− 4 17.7	1.703	2.700	2.8	19.6
10 8	23 53.42	− 4 56.0	1.732	2.697	6.8	19.9
10 18	23 47.19	− 5 22.3	1.786	2.695	10.7	20.1
10 28	23 42.92	− 5 33.7	1.863	2.693	14.0	20.3

6788 1991 PH_{15} 9 23.9 63°.44 0°.1/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.48	+ 3 25.1	1.308	2.168	18.3	17.2
8 29	0 25.84	+ 2 51.3	1.261	2.188	13.8	17.0
9 8	0 18.64	+ 2 0.6	1.234	2.209	8.8	16.8
9 18	0 9.74	+ 0 58.6	1.230	2.230	3.3	16.5
9 28	0 0.39	− 0 6.3	1.251	2.251	2.2	16.5
10 8	23 51.92	− 1 5.1	1.298	2.272	7.5	16.9
10 18	23 45.39	− 1 50.6	1.369	2.293	12.1	17.2
10 28	23 41.49	− 2 18.4	1.462	2.314	16.0	17.5

205362 2000 XF_{54} 9 23.9 269°.05 1°.5/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.81	− 0 41.6	1.825	2.680	14.1	21.3
8 29	0 23.59	− 1 22.9	1.737	2.664	10.7	21.1
9 8	0 17.23	− 2 15.8	1.672	2.648	6.7	20.8
9 18	0 9.28	− 3 15.6	1.632	2.632	2.6	20.5
9 28	0 0.60	− 4 15.6	1.619	2.616	2.9	20.5
10 8	23 52.23	− 5 8.8	1.634	2.599	7.2	20.8
10 18	23 45.14	− 5 49.3	1.675	2.582	11.4	21.0
10 28	23 40.11	− 6 12.8	1.738	2.565	15.0	21.2

375197 2008 EJ_{33} 9 23.9 81°.85 0°.2/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 33.32	+ 1 13.5	1.472	2.325	16.9	20.4
8 29	0 27.90	+ 1 7.3	1.412	2.336	12.9	20.1
9 8	0 19.95	+ 0 48.6	1.373	2.347	8.2	19.9
9 18	0 10.27	+ 0 21.5	1.358	2.358	3.1	19.6
9 28	0 0.02	− 0 8.5	1.369	2.369	2.2	19.6
10 8	23 50.50	− 0 34.8	1.407	2.380	7.2	20.0
10 18	23 42.79	− 0 52.1	1.470	2.390	11.7	20.2
10 28	23 37.67	− 0 56.8	1.556	2.401	15.5	20.5

143763 2003 WQ_{29} 9 23.9 53°.50 2°.2/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 33.85	− 3 16.6	1.245	2.117	18.2	19.2
8 29	0 28.61	− 3 30.8	1.193	2.129	13.7	19.0
9 8	0 20.52	− 3 54.0	1.162	2.141	8.6	18.8
9 18	0 10.49	− 4 20.5	1.154	2.154	3.4	18.5
9 28	23 59.90	− 4 43.0	1.170	2.167	3.8	18.6
10 8	23 50.23	− 4 55.0	1.212	2.180	8.8	18.9
10 18	23 42.69	− 4 52.5	1.277	2.193	13.5	19.2
10 28	23 38.05	− 4 33.7	1.363	2.207	17.4	19.5

129908 1999 TN_{89} 9 23.9 2°.24 4°.3/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 21.98	− 6 23.0	0.965	1.875	19.0	18.5
8 29	0 20.31	− 6 48.6	0.915	1.871	14.3	18.2
9 8	0 15.61	− 7 21.7	0.884	1.870	9.2	17.9
9 18	0 8.71	− 7 54.1	0.872	1.871	4.7	17.7
9 28	0 1.06	− 8 16.1	0.881	1.874	5.9	17.8
10 8	23 54.23	− 8 19.8	0.912	1.880	10.8	18.1
10 18	23 49.53	− 8 1.5	0.963	1.888	15.8	18.4
10 28	23 47.83	− 7 20.6	1.032	1.899	20.0	18.7

187970 2001 QP_{66} 9 23.9 50°.58 3°.0/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 28.51	+10 16.3	1.285	2.127	19.6	19.7
8 29	0 24.47	+10 3.0	1.236	2.147	15.4	19.5
9 8	0 17.84	+ 9 25.5	1.205	2.167	10.6	19.3
9 18	0 9.46	+ 8 27.0	1.196	2.188	5.6	19.0
9 28	0 0.59	+ 7 14.7	1.211	2.210	3.1	19.0
10 8	23 52.56	+ 5 58.6	1.252	2.231	6.9	19.2
10 18	23 46.45	+ 4 48.3	1.318	2.253	11.4	19.6
10 28	23 42.97	+ 3 51.7	1.405	2.275	15.4	19.9

231693 1998 DR_{33} 9 23.9 191°.42 1°.8/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.96	− 0 45.2	2.210	3.057	12.2	20.6
8 29	0 22.47	− 1 57.8	2.132	3.056	9.2	20.4
9 8	0 16.26	− 3 21.1	2.078	3.054	5.7	20.2
9 18	0 8.84	− 4 49.6	2.051	3.051	2.4	19.9
9 28	0 0.95	− 6 16.4	2.055	3.048	3.1	20.0
10 8	23 53.40	− 7 34.4	2.087	3.044	6.6	20.2
10 18	23 46.94	− 8 38.4	2.147	3.039	10.0	20.4
10 28	23 42.18	− 9 24.7	2.231	3.034	12.9	20.6

447065 2004 RS_{303} 9 23.9 11°.57 2°.6/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 24.37	+ 9 56.0	1.857	2.681	15.1	21.2
8 29	0 20.83	+ 9 45.2	1.782	2.683	12.0	21.0
9 8	0 15.36	+ 9 16.6	1.728	2.685	8.3	20.8
9 18	0 8.53	+ 8 32.1	1.698	2.688	4.6	20.6
9 28	0 1.17	+ 7 36.1	1.694	2.691	2.6	20.5
10 8	23 54.22	+ 6 35.0	1.718	2.695	5.5	20.7
10 18	23 48.52	+ 5 35.6	1.768	2.699	9.3	20.9
10 28	23 44.75	+ 4 44.3	1.841	2.704	12.7	21.1

429805 2012 JY_{15} 9 24.0 102°.31 0°.1/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 31.81	+ 2 48.0	1.578	2.424	16.3	21.7
8 29	0 26.56	+ 2 18.4	1.520	2.440	12.4	21.5
9 8	0 19.01	+ 1 34.6	1.483	2.456	7.9	21.3
9 18	0 9.90	+ 0 41.2	1.472	2.472	3.0	21.0
9 28	0 0.31	− 0 14.9	1.487	2.487	2.0	21.0
10 8	23 51.43	− 1 6.4	1.530	2.501	6.8	21.3
10 18	23 44.23	− 1 47.1	1.598	2.516	11.1	21.6
10 28	23 39.40	− 2 12.9	1.689	2.529	14.7	21.9

232580 2003 SZ_{356} 9 24.0 109°.76 2°.2/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 33.55	+ 6 50.6	1.923	2.740	14.9	20.1
8 29	0 27.60	+ 7 6.8	1.853	2.752	11.7	20.0
9 8	0 19.57	+ 7 9.7	1.806	2.764	7.9	19.8
9 18	0 10.11	+ 7 0.6	1.784	2.776	4.0	19.5
9 28	0 0.15	+ 6 42.3	1.790	2.788	2.4	19.5
10 8	23 50.72	+ 6 19.5	1.825	2.799	5.6	19.7
10 18	23 42.72	+ 5 57.1	1.887	2.810	9.3	19.9
10 28	23 36.85	+ 5 39.8	1.974	2.821	12.6	20.2

349268 2007 TS_{211} 9 24.0 259°.08 1°.9/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.94	+ 7 39.3	2.007	2.829	14.2	21.3
8 29	0 23.52	+ 7 31.8	1.915	2.818	11.2	21.1
9 8	0 17.11	+ 7 9.4	1.846	2.806	7.7	20.8
9 18	0 9.24	+ 6 33.6	1.801	2.795	3.8	20.6
9 28	0 0.70	+ 5 48.2	1.785	2.783	2.1	20.4
10 8	23 52.45	+ 4 58.7	1.796	2.772	5.5	20.6
10 18	23 45.37	+ 4 11.2	1.834	2.760	9.4	20.8
10 28	23 40.21	+ 3 31.3	1.897	2.748	12.9	21.0

238510 2004 TH_{55} 9 24.0 322°.62 0°.6/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.95	+ 5 6.7	1.356	2.220	17.5	20.2
8 29	0 20.62	+ 4 37.1	1.269	2.198	13.6	19.9
9 8	0 15.73	+ 3 46.2	1.202	2.177	9.0	19.6
9 18	0 8.83	+ 2 37.6	1.157	2.156	3.7	19.2
9 28	0 0.94	+ 1 18.6	1.136	2.136	2.1	19.1
10 8	23 53.36	− 0 0.5	1.140	2.117	7.7	19.4
10 18	23 47.35	− 1 9.6	1.168	2.099	12.9	19.6
10 28	23 43.89	− 2 0.5	1.216	2.082	17.6	19.8

209825 2005 GV_{136} 9 24.0 100°.87 0°.7/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 25.52	+ 7 10.5	2.017	2.845	13.9	20.3
8 29	0 21.43	+ 6 15.8	1.949	2.858	10.7	20.1
9 8	0 15.60	+ 5 5.0	1.904	2.871	7.0	19.9
9 18	0 8.59	+ 3 42.2	1.886	2.883	3.0	19.7
9 28	0 1.18	+ 2 13.9	1.896	2.896	1.5	19.6
10 8	23 54.24	+ 0 47.6	1.934	2.908	5.4	19.9
10 18	23 48.50	− 0 30.0	2.000	2.920	9.1	20.1
10 28	23 44.54	− 1 33.6	2.091	2.932	12.3	20.4

139259 2001 HR_{47} 9 24.0 120°.72 3°.2/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 30.92	+11 46.1	1.737	2.545	16.6	20.3
8 29	0 25.83	+11 35.1	1.669	2.559	13.2	20.1
9 8	0 18.54	+11 3.6	1.622	2.573	9.4	19.9
9 18	0 9.74	+10 13.5	1.599	2.586	5.3	19.7
9 28	0 0.42	+ 9 9.5	1.603	2.598	3.2	19.6
10 8	23 51.68	+ 7 58.9	1.635	2.610	6.0	19.8
10 18	23 44.47	+ 6 49.7	1.693	2.622	9.8	20.1
10 28	23 39.50	+ 5 49.1	1.776	2.633	13.4	20.3

160091 2000 OL_{67} 9 24.0 70°.86 0°.0/24.6 07 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 6.51	+ 2 5.3	43.393	44.214	0.8	23.3
8 29	0 5.92	+ 2 1.7	43.310	44.217	0.6	23.3
9 8	0 5.27	+ 1 57.6	43.253	44.220	0.4	23.3
9 18	0 4.58	+ 1 53.2	43.225	44.223	0.2	23.3
9 28	0 3.87	+ 1 48.7	43.226	44.226	0.1	23.2
10 8	0 3.17	+ 1 44.2	43.257	44.229	0.3	23.3
10 18	0 2.51	+ 1 39.8	43.317	44.232	0.5	23.3
10 28	0 1.91	+ 1 35.8	43.405	44.235	0.7	23.3

355090 2006 SU_{406} 9 24.0 42°.49 2°.6/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.15	+ 9 57.5	1.841	2.662	15.4	20.6
8 29	0 22.18	+ 9 45.8	1.768	2.667	12.1	20.4
9 8	0 16.23	+ 9 16.1	1.715	2.672	8.4	20.2
9 18	0 8.88	+ 8 30.4	1.687	2.677	4.6	20.0
9 28	0 1.00	+ 7 33.1	1.685	2.682	2.6	19.9
10 8	23 53.57	+ 6 30.9	1.711	2.688	5.6	20.1
10 18	23 47.44	+ 5 30.6	1.763	2.693	9.4	20.3
10 28	23 43.30	+ 4 38.7	1.840	2.699	12.8	20.5

367277 2007 TQ_{261} 9 24.0 101°.80 2°.6/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 33.56	− 3 40.9	1.368	2.236	17.1	21.2
8 29	0 28.34	− 4 7.8	1.307	2.241	12.9	21.0
9 8	0 20.38	− 4 43.7	1.266	2.245	8.1	20.7
9 18	0 10.50	− 5 22.5	1.249	2.249	3.5	20.5
9 28	23 59.95	− 5 56.5	1.258	2.253	4.1	20.5
10 8	23 50.14	− 6 18.7	1.293	2.257	8.8	20.8
10 18	23 42.26	− 6 24.8	1.352	2.261	13.4	21.1
10 28	23 37.14	− 6 12.7	1.431	2.265	17.3	21.4

387942 2005 EL_{78} 9 24.0 161°.27 2°.5/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.09	− 4 37.3	2.434	3.285	11.1	21.3
8 29	0 22.35	− 5 42.9	2.366	3.292	8.3	21.1
9 8	0 16.08	− 6 54.5	2.323	3.298	5.2	21.0
9 18	0 8.77	− 8 6.9	2.307	3.304	2.7	20.8
9 28	0 1.10	− 9 14.3	2.322	3.308	3.6	20.9
10 8	23 53.79	−10 11.4	2.366	3.313	6.5	21.1
10 18	23 47.50	−10 54.3	2.436	3.316	9.4	21.3
10 28	23 42.76	−11 21.0	2.531	3.319	12.0	21.4

448659 2010 VG_{152} 9 24.0 341°.33 3°.4/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.41	+12 18.8	1.747	2.568	16.1	20.7
8 29	0 19.60	+12 8.3	1.662	2.558	13.0	20.5
9 8	0 14.74	+11 36.7	1.597	2.549	9.3	20.3
9 18	0 8.37	+10 45.0	1.555	2.541	5.6	20.0
9 28	0 1.34	+ 9 37.5	1.539	2.534	3.4	19.9
10 8	23 54.65	+ 8 21.2	1.549	2.527	5.9	20.0
10 18	23 49.23	+ 7 4.3	1.585	2.521	9.8	20.2
10 28	23 45.83	+ 5 55.1	1.645	2.516	13.5	20.5

517832 2015 RY_{97} 9 24.0 342°.23 0°.2/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 26.08	+ 2 54.0	1.783	2.632	14.6	20.7
8 29	0 22.22	+ 2 35.6	1.706	2.628	11.2	20.5
9 8	0 16.33	+ 2 4.2	1.650	2.623	7.2	20.2
9 18	0 8.95	+ 1 23.2	1.620	2.619	2.8	19.9
9 28	0 0.98	+ 0 37.9	1.616	2.616	1.8	19.8
10 8	23 53.41	− 0 5.4	1.639	2.613	6.2	20.1
10 18	23 47.15	− 0 41.0	1.688	2.610	10.3	20.4
10 28	23 42.92	− 1 4.4	1.760	2.608	13.9	20.6

322978 2002 MP_{6} 9 24.0 59°.15 0°.2/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 22.95	+ 3 40.1	2.257	3.096	12.3	20.6
8 29	0 19.37	+ 2 45.1	2.185	3.103	9.3	20.4
9 8	0 14.26	+ 1 37.8	2.138	3.110	5.9	20.2
9 18	0 8.10	+ 0 22.5	2.117	3.117	2.2	19.9
9 28	0 1.56	− 0 55.0	2.125	3.124	1.6	19.9
10 8	23 55.39	− 2 8.6	2.162	3.131	5.3	20.2
10 18	23 50.23	− 3 12.7	2.226	3.139	8.7	20.4
10 28	23 46.63	− 4 3.2	2.315	3.146	11.6	20.6

435126 2007 EX_{68} 9 24.0 179°.18 1°.0/22.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 29.26	+ 0 39.0	1.975	2.820	13.6	23.1
8 29	0 24.39	− 0 5.4	1.900	2.821	10.3	22.9
9 8	0 17.57	− 1 1.0	1.848	2.822	6.4	22.7
9 18	0 9.40	− 2 3.3	1.822	2.823	2.4	22.4
9 28	0 0.70	− 3 6.1	1.825	2.823	2.4	22.4
10 8	23 52.42	− 4 2.8	1.857	2.822	6.4	22.7
10 18	23 45.42	− 4 48.1	1.915	2.821	10.2	22.9
10 28	23 40.35	− 5 18.2	1.997	2.819	13.5	23.1

254517 2005 EE_{89} 9 24.0 100°.33 2°.5/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 33.57	+ 7 27.9	1.486	2.318	17.8	20.5
8 29	0 28.19	+ 7 38.8	1.421	2.328	14.0	20.3
9 8	0 20.23	+ 7 31.9	1.376	2.338	9.5	20.1
9 18	0 10.45	+ 7 8.9	1.354	2.348	4.9	19.8
9 28	0 0.02	+ 6 34.2	1.359	2.357	2.8	19.7
10 8	23 50.25	+ 5 54.3	1.390	2.367	6.7	20.0
10 18	23 42.29	+ 5 16.5	1.447	2.376	11.2	20.3
10 28	23 36.95	+ 4 47.2	1.527	2.385	15.1	20.5

407566 2010 XH_{86} 9 24.0 337°.94 7°.9/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 27.32	−21 28.6	2.057	2.925	12.2	20.2
8 29	0 22.91	−22 43.6	2.003	2.922	10.0	20.1
9 8	0 16.61	−23 52.0	1.973	2.919	8.3	20.0
9 18	0 9.01	−24 46.2	1.968	2.916	8.0	20.0
9 28	0 0.98	−25 19.7	1.988	2.913	9.2	20.0
10 8	23 53.43	−25 28.8	2.033	2.911	11.3	20.2
10 18	23 47.19	−25 12.8	2.101	2.909	13.5	20.3
10 28	23 42.87	−24 33.5	2.188	2.907	15.6	20.5

5264 Telephus 9 24.0 243°.22 5°.4/ 9.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 19.89	−30 30.9	4.705	5.537	6.5	17.1
8 29	0 16.46	−31 37.7	4.657	5.531	5.7	17.0
9 8	0 12.15	−32 38.0	4.636	5.524	5.4	17.0
9 18	0 7.26	−33 28.8	4.640	5.517	5.6	17.0
9 28	0 2.13	−34 7.2	4.671	5.511	6.2	17.0
10 8	23 57.16	−34 31.7	4.727	5.504	7.1	17.1
10 18	23 52.72	−34 41.6	4.805	5.497	8.0	17.2
10 28	23 49.12	−34 37.2	4.902	5.490	8.9	17.2