183866 2004 CP_{17} 9 10.9 184°.19 0°.8/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.27	+ 0 12.1	1.864	2.724	13.7	21.4
8 19	23 36.61	− 0 19.3	1.791	2.724	10.2	21.2
8 29	23 29.03	− 1 4.7	1.742	2.724	6.1	21.0
9 8	23 20.22	− 1 59.8	1.719	2.724	1.9	20.7
9 18	23 11.08	− 2 58.9	1.724	2.723	2.9	20.8
9 28	23 2.63	− 3 55.4	1.757	2.721	7.2	21.0
10 8	22 55.75	− 4 43.5	1.816	2.718	11.1	21.3
10 18	22 51.04	− 5 19.0	1.898	2.715	14.4	21.5

252114 2000 WQ_{37} 9 10.9 280°.87 4°.9/ 6.9 18

8 9	23 41.19	−12 14.3	1.386	2.290	14.8	20.3
8 19	23 36.53	−13 32.4	1.317	2.275	10.8	20.1
8 29	23 29.30	−14 57.8	1.270	2.260	6.8	19.8
9 8	23 20.33	−16 20.2	1.248	2.245	5.0	19.7
9 18	23 10.78	−17 29.1	1.250	2.229	7.8	19.8
9 28	23 2.05	−18 15.8	1.277	2.214	12.1	20.0
10 8	22 55.37	−18 35.9	1.326	2.199	16.3	20.2
10 18	22 51.53	−18 29.3	1.392	2.184	20.0	20.4

385609 2005 GS_{34} 9 10.9 153°.07 3°.8/ 6.5 18

8 9	23 39.77	−13 46.7	2.263	3.150	10.6	20.6
8 19	23 34.47	−14 57.8	2.208	3.157	7.6	20.5
8 29	23 27.63	−16 10.5	2.179	3.163	4.9	20.3
9 8	23 19.87	−17 18.3	2.177	3.169	3.8	20.2
9 18	23 11.93	−18 15.4	2.204	3.175	5.6	20.4
9 28	23 4.62	−18 57.3	2.259	3.180	8.4	20.6
10 8	22 58.62	−19 21.6	2.339	3.185	11.2	20.8
10 18	22 54.42	−19 28.1	2.440	3.189	13.5	20.9

8677 Charlier 9 10.9 351°.33 3°.0/ 7.7 18

8 9	23 35.77	− 9 0.4	1.822	2.717	12.3	17.3
8 19	23 31.93	−10 18.0	1.759	2.715	8.8	17.1
8 29	23 26.31	−11 43.1	1.721	2.712	5.1	16.9
9 8	23 19.59	−13 8.2	1.709	2.710	3.0	16.7
9 18	23 12.58	−14 25.4	1.725	2.709	5.4	16.9
9 28	23 6.22	−15 27.8	1.766	2.708	9.0	17.1
10 8	23 1.31	−16 10.9	1.832	2.707	12.4	17.3
10 18	22 58.42	−16 33.2	1.919	2.707	15.4	17.5

329228 2012 EM_{3} 9 10.9 136°.64 0°.5/11.4 17

8 9	23 42.70	− 0 14.1	1.652	2.519	14.8	21.7
8 19	23 37.01	− 0 56.0	1.592	2.530	10.9	21.5
8 29	23 29.27	− 1 52.9	1.555	2.539	6.5	21.3
9 8	23 20.27	− 2 59.3	1.543	2.549	1.7	21.0
9 18	23 11.03	− 4 8.2	1.559	2.557	3.2	21.1
9 28	23 2.66	− 5 11.8	1.602	2.566	7.8	21.4
10 8	22 56.06	− 6 4.0	1.671	2.573	11.9	21.7
10 18	22 51.84	− 6 40.9	1.761	2.580	15.3	21.9

82293 2001 KJ_{38} 9 11.0 96°.52 0°.4/10.7 17

8 9	23 42.20	− 2 24.9	1.533	2.411	15.1	19.9
8 19	23 36.69	− 3 11.5	1.482	2.426	11.0	19.7
8 29	23 29.08	− 4 11.5	1.453	2.441	6.3	19.4
9 8	23 20.22	− 5 18.3	1.449	2.456	1.4	19.1
9 18	23 11.19	− 6 24.2	1.473	2.470	3.7	19.4
9 28	23 3.13	− 7 21.6	1.523	2.484	8.3	19.7
10 8	22 56.97	− 8 4.9	1.597	2.498	12.4	19.9
10 18	22 53.25	− 8 31.1	1.693	2.512	15.8	20.2

99158 2001 FA_{132} 9 11.0 123°.76 3°.3/15.2 18

8 9	23 37.80	+ 8 55.3	2.638	3.451	11.5	20.1
8 19	23 32.87	+ 8 49.4	2.566	3.461	9.1	20.0
8 29	23 26.65	+ 8 29.2	2.517	3.471	6.4	19.8
9 8	23 19.65	+ 7 56.2	2.494	3.480	4.0	19.7
9 18	23 12.47	+ 7 13.4	2.500	3.490	3.4	19.6
9 28	23 5.76	+ 6 24.8	2.535	3.499	5.3	19.8
10 8	23 0.13	+ 5 35.1	2.597	3.508	7.8	20.0
10 18	22 56.00	+ 4 48.6	2.685	3.516	10.3	20.1

399076 2014 DC_{5} 9 11.0 207°.79 1°.4/ 9.7 18

8 9	23 41.85	− 6 50.0	1.930	2.809	12.5	21.0
8 19	23 36.25	− 7 18.6	1.861	2.807	9.0	20.8
8 29	23 28.79	− 7 54.3	1.815	2.804	5.2	20.6
9 8	23 20.17	− 8 32.3	1.796	2.802	1.6	20.3
9 18	23 11.25	− 9 7.1	1.805	2.799	3.8	20.5
9 28	23 3.02	− 9 33.9	1.842	2.796	7.7	20.7
10 8	22 56.31	− 9 48.9	1.904	2.792	11.4	20.9
10 18	22 51.70	− 9 50.5	1.988	2.789	14.5	21.1

100799 1998 FX_{79} 9 11.0 242°.45 2°.3/ 9.0 18

8 9	23 42.21	− 7 9.5	1.597	2.484	14.1	19.7
8 19	23 36.95	− 8 4.6	1.523	2.474	10.3	19.4
8 29	23 29.41	− 9 10.0	1.472	2.463	5.9	19.2
9 8	23 20.35	−10 18.7	1.447	2.452	2.3	18.9
9 18	23 10.81	−11 22.3	1.449	2.440	5.0	19.1
9 28	23 2.00	−12 13.3	1.477	2.428	9.6	19.3
10 8	22 54.99	−12 46.3	1.529	2.416	13.8	19.5
10 18	22 50.50	−12 59.3	1.601	2.403	17.3	19.7

407887 2012 BW_{110} 9 11.0 28°.64 2°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 40.75	+ 2 43.7	2.097	2.944	12.9	20.9
8 19	23 35.31	+ 2 56.3	2.025	2.947	9.8	20.7
8 29	23 28.19	+ 2 56.7	1.976	2.950	6.4	20.5
9 8	23 20.03	+ 2 46.7	1.954	2.953	3.1	20.3
9 18	23 11.59	+ 2 29.0	1.959	2.956	3.0	20.3
9 28	23 3.77	+ 2 7.9	1.993	2.960	6.2	20.5
10 8	22 57.32	+ 1 47.6	2.053	2.963	9.6	20.8
10 18	22 52.79	+ 1 32.0	2.136	2.967	12.6	21.0

477570 2010 GK_{160} 9 11.0 103°.45 0°.1/10.9 16

8 9	23 45.23	− 4 6.0	2.010	2.874	12.7	21.2
8 19	23 38.44	− 4 11.3	1.955	2.892	9.2	21.0
8 29	23 29.92	− 4 24.4	1.924	2.910	5.3	20.8
9 8	23 20.41	− 4 41.6	1.921	2.927	1.2	20.5
9 18	23 10.80	− 4 59.1	1.947	2.944	2.9	20.7
9 28	23 2.01	− 5 12.9	2.001	2.961	6.8	21.0
10 8	22 54.83	− 5 19.7	2.082	2.977	10.2	21.2
10 18	22 49.73	− 5 17.6	2.187	2.993	13.1	21.4

18648 1998 FW_{9} 9 11.0 71°.12 4°.0/14.9 18

8 9	23 39.29	+10 25.6	1.351	2.195	18.7	19.2
8 19	23 34.78	+ 9 29.6	1.301	2.216	14.6	19.0
8 29	23 28.04	+ 8 3.9	1.271	2.237	10.0	18.8
9 8	23 19.99	+ 6 14.2	1.264	2.258	5.5	18.6
9 18	23 11.79	+ 4 10.3	1.282	2.279	4.3	18.6
9 28	23 4.64	+ 2 4.7	1.327	2.300	7.9	18.9
10 8	22 59.51	+ 0 9.5	1.397	2.320	12.2	19.2
10 18	22 56.94	− 1 26.9	1.489	2.341	15.9	19.5

232218 2002 HZ_{14} 9 11.0 82°.17 0°.5/10.6 16

8 9	23 40.75	− 2 43.9	1.717	2.593	13.9	21.2
8 19	23 35.43	− 3 30.6	1.668	2.612	10.1	21.0
8 29	23 28.26	− 4 28.8	1.643	2.631	5.8	20.8
9 8	23 20.04	− 5 32.5	1.643	2.650	1.3	20.6
9 18	23 11.69	− 6 34.9	1.671	2.669	3.4	20.8
9 28	23 4.22	− 7 29.4	1.727	2.687	7.6	21.1
10 8	22 58.43	− 8 10.9	1.807	2.705	11.4	21.3
10 18	22 54.82	− 8 37.0	1.910	2.724	14.5	21.6

310546 2001 DE_{109} 9 11.0 220°.27 1°.2/ 9.9 17

8 9	23 45.01	− 8 43.8	2.588	3.452	10.2	20.6
8 19	23 38.13	− 8 42.1	2.507	3.446	7.4	20.4
8 29	23 29.73	− 8 43.1	2.454	3.440	4.3	20.2
9 8	23 20.39	− 8 43.9	2.429	3.434	1.3	20.0
9 18	23 10.81	− 8 41.8	2.434	3.427	3.0	20.1
9 28	23 1.76	− 8 34.3	2.470	3.421	6.3	20.3
10 8	22 53.95	− 8 19.5	2.534	3.414	9.2	20.5
10 18	22 47.87	− 7 56.6	2.623	3.406	11.8	20.7

126442 2002 CJ_{15} 9 11.0 53°.57 3°.8/ 6.5 18

8 9	23 36.67	−12 7.6	1.975	2.870	11.5	19.6
8 19	23 32.42	−13 32.2	1.922	2.876	8.2	19.4
8 29	23 26.53	−15 0.4	1.895	2.883	5.1	19.2
9 8	23 19.64	−16 24.6	1.894	2.889	3.9	19.2
9 18	23 12.56	−17 37.6	1.922	2.896	5.9	19.3
9 28	23 6.14	−18 33.5	1.975	2.903	9.1	19.5
10 8	23 1.12	−19 9.5	2.053	2.910	12.1	19.7
10 18	22 57.99	−19 24.8	2.152	2.917	14.6	19.9

213258 2001 FT_{32} 9 11.0 279°.03 2°.7/13.7 17

8 9	23 35.64	+12 32.3	1.037	1.897	22.1	19.6
8 19	23 33.01	+10 14.0	0.962	1.890	17.3	19.3
8 29	23 27.50	+ 7 0.7	0.906	1.882	11.4	19.0
9 8	23 19.97	+ 3 0.5	0.873	1.874	5.0	18.6
9 18	23 11.75	− 1 25.9	0.866	1.867	4.1	18.5
9 28	23 4.49	− 5 49.2	0.886	1.859	10.7	18.9
10 8	22 59.62	− 9 41.9	0.930	1.852	16.9	19.2
10 18	22 57.99	−12 47.7	0.995	1.844	22.2	19.5

436131 2009 UG_{11} 9 11.0 275°.53 2°.8/ 5.4 16

8 9	23 32.95	−19 3.3	4.382	5.263	6.0	22.0
8 19	23 29.00	−19 35.1	4.317	5.259	4.5	21.9
8 29	23 24.28	−20 5.1	4.280	5.255	3.2	21.8
9 8	23 19.10	−20 30.9	4.271	5.251	2.9	21.8
9 18	23 13.83	−20 50.1	4.292	5.246	3.8	21.8
9 28	23 8.83	−21 1.0	4.341	5.242	5.3	21.9
10 8	23 4.45	−21 2.6	4.416	5.238	6.8	22.0
10 18	23 0.97	−20 54.6	4.515	5.234	8.1	22.1

282574 2005 AB_{41} 9 11.0 344°.38 4°.1/ 7.6 18

8 9	23 34.20	− 9 21.0	1.191	2.107	15.7	19.1
8 19	23 31.59	−10 35.5	1.129	2.094	11.4	18.8
8 29	23 26.47	−12 1.3	1.088	2.083	6.7	18.5
9 8	23 19.70	−13 27.8	1.070	2.072	4.1	18.3
9 18	23 12.43	−14 43.7	1.076	2.063	7.2	18.5
9 28	23 6.05	−15 38.7	1.104	2.056	12.0	18.7
10 8	23 1.73	−16 7.1	1.153	2.049	16.5	19.0
10 18	23 0.21	−16 7.5	1.219	2.045	20.3	19.2

401760 2013 KY_{12} 9 11.0 299°.57 3°.5/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 38.41	−13 37.1	2.194	3.084	10.7	20.5
8 19	23 33.60	−14 26.2	2.128	3.079	7.8	20.3
8 29	23 27.20	−15 17.1	2.087	3.073	4.9	20.2
9 8	23 19.82	−16 4.0	2.073	3.068	3.5	20.1
9 18	23 12.18	−16 41.7	2.086	3.063	5.4	20.2
9 28	23 5.13	−17 6.0	2.127	3.058	8.4	20.3
10 8	22 59.38	−17 14.4	2.192	3.052	11.3	20.5
10 18	22 55.44	−17 6.5	2.279	3.047	13.8	20.7

20512 Rothenberg 9 11.0 305°.37 3°.1/13.9 18

8 9	23 39.20	+ 5 24.1	2.109	2.947	13.1	18.3
8 19	23 34.29	+ 5 32.6	2.025	2.939	10.2	18.1
8 29	23 27.68	+ 5 26.8	1.965	2.932	6.9	17.9
9 8	23 19.95	+ 5 7.8	1.930	2.924	3.9	17.7
9 18	23 11.86	+ 4 38.7	1.922	2.917	3.5	17.7
9 28	23 4.28	+ 4 3.8	1.942	2.909	6.3	17.8
10 8	22 58.01	+ 3 28.3	1.989	2.902	9.7	18.0
10 18	22 53.62	+ 2 57.1	2.059	2.895	12.7	18.2

264055 2009 SY_{5} 9 11.0 33°.80 0°.5/12.1 17

8 9	23 30.98	+ 0 7.5	4.240	5.087	6.9	21.0
8 19	23 27.59	− 0 19.2	4.161	5.088	5.1	20.9
8 29	23 23.48	− 0 51.9	4.109	5.089	3.1	20.7
9 8	23 18.93	− 1 28.7	4.085	5.089	1.0	20.5
9 18	23 14.27	− 2 7.5	4.091	5.090	1.4	20.6
9 28	23 9.85	− 2 45.7	4.128	5.091	3.5	20.7
10 8	23 6.01	− 3 21.0	4.192	5.092	5.4	20.9
10 18	23 3.01	− 3 51.4	4.283	5.092	7.1	21.0

220729 2004 SM_{54} 9 11.0 8°.13 11°.1/ 2.7 18

8 9	23 42.91	−30 45.0	1.413	2.307	15.2	18.5
8 19	23 37.54	−31 40.6	1.380	2.310	12.8	18.4
8 29	23 29.66	−32 18.5	1.367	2.314	11.3	18.3
9 8	23 20.38	−32 29.7	1.377	2.320	11.4	18.3
9 18	23 11.08	−32 8.7	1.408	2.327	12.9	18.4
9 28	23 3.11	−31 15.2	1.462	2.336	15.2	18.6
10 8	22 57.48	−29 53.2	1.534	2.345	17.7	18.8
10 18	22 54.68	−28 8.9	1.624	2.356	19.9	19.0

120797 1998 FW_{60} 9 11.0 74°.22 1°.2/12.2 18

8 9	23 39.25	+ 2 11.8	1.637	2.502	15.0	19.7
8 19	23 34.47	+ 1 25.8	1.584	2.518	11.1	19.5
8 29	23 27.78	+ 0 22.8	1.552	2.534	6.8	19.3
9 8	23 19.96	− 0 52.0	1.546	2.550	2.3	19.0
9 18	23 11.97	− 2 11.1	1.567	2.566	3.0	19.1
9 28	23 4.83	− 3 26.4	1.615	2.582	7.3	19.4
10 8	22 59.38	− 4 30.9	1.688	2.598	11.3	19.7
10 18	22 56.15	− 5 20.1	1.783	2.614	14.6	20.0

75432 1999 XJ_{126} 9 11.0 356°.03 5°.3/ 7.8 18

8 9	23 42.69	−14 5.9	1.113	2.026	16.8	18.2
8 19	23 37.87	−14 41.6	1.061	2.023	12.4	17.9
8 29	23 30.14	−15 18.8	1.029	2.020	7.8	17.6
9 8	23 20.56	−15 48.0	1.019	2.018	5.3	17.5
9 18	23 10.60	−16 0.9	1.032	2.017	8.0	17.7
9 28	23 1.91	−15 51.7	1.068	2.017	12.6	17.9
10 8	22 55.75	−15 19.3	1.124	2.018	17.0	18.2
10 18	22 52.81	−14 25.7	1.198	2.020	20.8	18.4

246512 2008 CA_{182} 9 11.0 24°.66 4°.6/ 6.1 18

8 9	23 36.78	−13 26.3	1.756	2.657	12.3	19.3
8 19	23 32.69	−14 51.4	1.705	2.662	8.9	19.1
8 29	23 26.77	−16 19.3	1.679	2.667	5.8	18.9
9 8	23 19.74	−17 41.4	1.679	2.672	4.6	18.9
9 18	23 12.48	−18 49.9	1.705	2.677	6.8	19.0
9 28	23 5.98	−19 38.7	1.757	2.683	10.1	19.2
10 8	23 1.04	−20 5.0	1.832	2.690	13.3	19.4
10 18	22 58.20	−20 8.9	1.927	2.696	16.0	19.6

20814 Laurajones 9 11.0 31°.33 2°.4/13.1 18

8 9	23 40.85	+ 2 42.6	1.870	2.723	13.9	18.0
8 19	23 35.55	+ 2 53.4	1.803	2.728	10.6	17.8
8 29	23 28.42	+ 2 50.5	1.759	2.734	6.9	17.6
9 8	23 20.14	+ 2 35.9	1.740	2.739	3.3	17.4
9 18	23 11.59	+ 2 13.1	1.748	2.745	3.2	17.4
9 28	23 3.75	+ 1 46.9	1.783	2.751	6.7	17.7
10 8	22 57.44	+ 1 22.4	1.845	2.758	10.3	17.9
10 18	22 53.23	+ 1 3.7	1.929	2.764	13.5	18.1

122065 2000 GX_{177} 9 11.0 312°.59 3°.6/ 8.5 18

8 9	23 44.09	−10 0.9	1.241	2.143	16.3	19.9
8 19	23 38.70	−10 49.2	1.184	2.141	11.8	19.6
8 29	23 30.57	−11 45.0	1.148	2.139	7.0	19.4
9 8	23 20.68	−12 39.2	1.135	2.138	3.6	19.2
9 18	23 10.39	−13 22.8	1.148	2.136	6.5	19.3
9 28	23 1.21	−13 48.1	1.184	2.135	11.4	19.6
10 8	22 54.37	−13 51.6	1.242	2.134	15.9	19.9
10 18	22 50.60	−13 33.3	1.318	2.133	19.7	20.1

403439 2009 SA_{216} 9 11.0 16°.92 2°.1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 40.52	− 9 48.1	2.005	2.889	11.8	20.3
8 19	23 35.18	−10 8.6	1.943	2.892	8.5	20.1
8 29	23 28.14	−10 32.8	1.905	2.894	4.9	19.9
9 8	23 20.07	−10 56.2	1.893	2.897	2.1	19.7
9 18	23 11.79	−11 14.2	1.910	2.900	4.2	19.9
9 28	23 4.22	−11 23.0	1.954	2.904	7.7	20.1
10 8	22 58.10	−11 20.0	2.023	2.907	11.0	20.3
10 18	22 53.97	−11 4.5	2.115	2.911	13.8	20.5

202156 2004 US_{7} 9 11.0 252°.32 4°.6/ 6.9 18

8 9	23 44.87	−16 13.3	2.007	2.892	11.8	20.8
8 19	23 38.57	−16 56.5	1.929	2.875	8.8	20.6
8 29	23 30.26	−17 39.4	1.875	2.857	5.8	20.4
9 8	23 20.60	−18 15.7	1.849	2.839	4.6	20.3
9 18	23 10.53	−18 39.5	1.850	2.821	6.5	20.4
9 28	23 1.10	−18 46.4	1.878	2.802	9.7	20.5
10 8	22 53.23	−18 34.7	1.931	2.782	13.0	20.7
10 18	22 47.60	−18 5.0	2.005	2.762	15.8	20.9

355671 2008 EK_{132} 9 11.0 184°.69 1°.7/ 9.1 18

8 9	23 40.19	− 8 33.1	2.489	3.363	10.2	22.1
8 19	23 34.71	− 9 7.3	2.419	3.363	7.3	21.9
8 29	23 27.79	− 9 45.9	2.375	3.363	4.2	21.7
9 8	23 20.00	−10 24.9	2.358	3.362	1.7	21.5
9 18	23 12.00	−10 59.8	2.371	3.361	3.5	21.6
9 28	23 4.52	−11 26.9	2.413	3.360	6.6	21.8
10 8	22 58.22	−11 43.3	2.482	3.358	9.6	22.0
10 18	22 53.57	−11 47.7	2.574	3.355	12.1	22.2

243433 2009 DY_{44} 9 11.0 222°.31 6°.5/ 3.9 18

8 9	23 40.61	−20 51.4	1.965	2.859	11.6	20.2
8 19	23 35.43	−22 13.5	1.911	2.855	8.9	20.0
8 29	23 28.37	−23 31.9	1.881	2.852	6.9	19.9
9 8	23 20.15	−24 38.5	1.877	2.848	6.7	19.8
9 18	23 11.66	−25 26.4	1.900	2.844	8.5	19.9
9 28	23 3.89	−25 51.4	1.948	2.840	11.1	20.1
10 8	22 57.69	−25 52.5	2.018	2.835	13.8	20.3
10 18	22 53.62	−25 31.1	2.108	2.831	16.1	20.5

204065 2003 UQ_{295} 9 11.0 326°.78 0°.3/11.2 18

8 9	23 39.33	− 1 57.4	1.587	2.467	14.6	20.6
8 19	23 34.82	− 2 19.8	1.515	2.460	10.8	20.3
8 29	23 28.17	− 2 55.8	1.465	2.453	6.4	20.1
9 8	23 20.13	− 3 40.6	1.440	2.446	1.6	19.7
9 18	23 11.67	− 4 28.3	1.441	2.440	3.3	19.9
9 28	23 3.94	− 5 11.9	1.468	2.434	8.1	20.1
10 8	22 57.92	− 5 45.4	1.519	2.428	12.4	20.4
10 18	22 54.28	− 6 5.1	1.591	2.423	16.1	20.6

98683 2000 WY_{180} 9 11.0 127°.05 4°.2/14.4 18

8 9	23 43.27	+ 7 13.1	1.499	2.344	17.2	19.4
8 19	23 37.73	+ 7 16.9	1.434	2.350	13.5	19.2
8 29	23 29.87	+ 6 58.9	1.389	2.356	9.3	19.0
9 8	23 20.53	+ 6 21.0	1.367	2.361	5.3	18.8
9 18	23 10.80	+ 5 27.8	1.372	2.366	4.6	18.8
9 28	23 1.97	+ 4 27.0	1.402	2.371	8.0	19.0
10 8	22 55.09	+ 3 27.1	1.457	2.376	12.1	19.2
10 18	22 50.83	+ 2 35.1	1.533	2.380	15.8	19.5

361535 2007 HY_{94} 9 11.0 146°.82 6°.4/ 3.2 18

8 9	23 42.13	−26 33.1	2.600	3.476	9.8	21.1
8 19	23 36.06	−27 26.3	2.556	3.482	7.9	21.0
8 29	23 28.53	−28 11.6	2.537	3.487	6.6	20.9
9 8	23 20.17	−28 43.5	2.544	3.493	6.5	20.9
9 18	23 11.70	−28 58.3	2.579	3.498	7.8	21.0
9 28	23 3.91	−28 53.9	2.639	3.502	9.6	21.2
10 8	22 57.45	−28 30.8	2.724	3.507	11.5	21.3
10 18	22 52.77	−27 50.6	2.828	3.511	13.2	21.5

167181 2003 SH_{277} 9 11.0 262°.38 0°.5/10.6 18

8 9	23 45.23	− 5 48.4	1.825	2.698	13.3	20.0
8 19	23 38.88	− 5 46.4	1.749	2.692	9.8	19.8
8 29	23 30.44	− 5 51.2	1.698	2.685	5.7	19.5
9 8	23 20.66	− 5 59.3	1.673	2.679	1.3	19.2
9 18	23 10.51	− 6 6.5	1.676	2.673	3.4	19.4
9 28	23 1.09	− 6 9.0	1.707	2.666	7.7	19.6
10 8	22 53.34	− 6 3.3	1.763	2.660	11.7	19.9
10 18	22 47.92	− 5 47.8	1.842	2.654	15.0	20.1

344744 2003 UX_{241} 9 11.0 327°.51 4°.5/15.6 18

8 9	23 35.45	+10 31.5	1.590	2.429	16.7	20.3
8 19	23 32.06	+10 5.9	1.510	2.420	13.3	20.1
8 29	23 26.61	+ 9 13.8	1.449	2.411	9.5	19.8
9 8	23 19.79	+ 7 57.3	1.412	2.402	5.8	19.6
9 18	23 12.51	+ 6 22.0	1.400	2.394	4.7	19.5
9 28	23 5.87	+ 4 37.1	1.414	2.386	7.6	19.7
10 8	23 0.85	+ 2 53.3	1.453	2.379	11.6	19.9
10 18	22 58.12	+ 1 19.8	1.515	2.373	15.4	20.1

480408 2015 KQ_{82} 9 11.0 180°.02 0°.1/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 38.52	− 0 26.5	1.816	2.686	13.5	21.2
8 19	23 33.96	− 1 33.8	1.746	2.686	9.9	21.0
8 29	23 27.56	− 2 56.7	1.700	2.687	5.8	20.8
9 8	23 19.99	− 4 28.8	1.680	2.687	1.3	20.5
9 18	23 12.11	− 6 2.5	1.689	2.687	3.2	20.6
9 28	23 4.89	− 7 29.5	1.725	2.686	7.6	20.9
10 8	22 59.18	− 8 42.8	1.787	2.686	11.5	21.1
10 18	22 55.54	− 9 38.1	1.872	2.685	14.8	21.3

379603 2011 CD_{49} 9 11.0 209°.29 2°.7/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.80	− 9 41.9	1.859	2.742	12.7	22.0
8 19	23 37.81	−10 26.5	1.789	2.737	9.2	21.8
8 29	23 29.81	−11 16.8	1.742	2.731	5.4	21.5
9 8	23 20.53	−12 6.4	1.722	2.725	2.7	21.3
9 18	23 10.89	−12 49.1	1.731	2.718	4.9	21.5
9 28	23 1.96	−13 19.4	1.767	2.711	8.8	21.7
10 8	22 54.66	−13 33.9	1.827	2.703	12.4	21.9
10 18	22 49.62	−13 31.6	1.909	2.695	15.5	22.1

218924 2007 UF_{104} 9 11.0 236°.95 1°.4/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.07	− 5 58.7	1.945	2.826	12.3	20.9
8 19	23 34.26	− 6 44.9	1.876	2.823	8.9	20.7
8 29	23 27.69	− 7 39.7	1.831	2.821	5.1	20.5
9 8	23 20.02	− 8 37.7	1.812	2.818	1.6	20.2
9 18	23 12.05	− 9 32.7	1.822	2.815	3.8	20.4
9 28	23 4.71	−10 19.0	1.859	2.812	7.7	20.6
10 8	22 58.80	−10 52.1	1.921	2.809	11.3	20.9
10 18	22 54.89	−11 9.7	2.005	2.806	14.3	21.1

143955 2003 YC_{123} 9 11.0 112°.38 0°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.90	− 2 57.9	1.631	2.505	14.6	20.4
8 19	23 37.88	− 3 29.9	1.577	2.519	10.6	20.2
8 29	23 29.80	− 4 13.5	1.545	2.532	6.2	19.9
9 8	23 20.50	− 5 3.3	1.539	2.546	1.4	19.7
9 18	23 11.02	− 5 52.8	1.561	2.558	3.5	19.8
9 28	23 2.47	− 6 35.6	1.610	2.571	8.0	20.1
10 8	22 55.77	− 7 6.7	1.683	2.583	12.0	20.4
10 18	22 51.47	− 7 23.5	1.779	2.594	15.3	20.7

517891 2015 TS_{22} 9 11.0 291°.06 10°.9/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.71	−39 41.6	2.234	3.071	12.6	20.6
8 19	23 42.80	−40 34.7	2.182	3.054	11.4	20.5
8 29	23 32.65	−41 9.6	2.152	3.038	10.9	20.5
9 8	23 21.17	−41 18.7	2.145	3.021	11.2	20.5
9 18	23 9.53	−40 57.7	2.163	3.004	12.4	20.5
9 28	22 58.94	−40 5.7	2.202	2.988	13.9	20.6
10 8	22 50.40	−38 46.0	2.262	2.971	15.6	20.7
10 18	22 44.48	−37 3.7	2.340	2.955	17.1	20.8

179804 2002 TK_{62} 9 11.0 300°.63 2°.0/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.58	+ 2 38.6	1.856	2.713	13.9	20.3
8 19	23 34.74	+ 2 27.5	1.781	2.709	10.5	20.1
8 29	23 28.03	+ 2 1.4	1.729	2.706	6.7	19.9
9 8	23 20.12	+ 1 23.1	1.701	2.703	2.9	19.6
9 18	23 11.86	+ 0 37.1	1.701	2.700	3.0	19.6
9 28	23 4.22	− 0 10.6	1.728	2.697	6.8	19.9
10 8	22 58.08	− 0 54.0	1.781	2.694	10.7	20.1
10 18	22 54.03	− 1 28.4	1.857	2.691	14.0	20.3

311164 2004 TG_{143} 9 11.0 0°.05 4°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 33.76	+ 5 2.4	0.863	1.764	21.7	19.4
8 19	23 31.85	+ 5 9.8	0.810	1.760	16.9	19.1
8 29	23 26.90	+ 4 46.7	0.773	1.757	11.3	18.8
9 8	23 19.91	+ 3 56.0	0.755	1.756	5.8	18.5
9 18	23 12.36	+ 2 46.1	0.757	1.757	5.1	18.4
9 28	23 5.99	+ 1 29.7	0.780	1.760	10.2	18.7
10 8	23 2.22	+ 0 20.4	0.821	1.764	15.7	19.1
10 18	23 1.81	− 0 32.0	0.880	1.771	20.6	19.4

240628 2004 YN 9 11.0 267°.09 14°.7/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.66	−50 6.4	2.060	2.844	15.3	20.4
8 19	23 50.73	−51 23.6	2.017	2.822	14.8	20.3
8 29	23 37.52	−52 13.9	1.994	2.801	14.8	20.3
9 8	23 22.35	−52 27.5	1.991	2.778	15.3	20.3
9 18	23 6.99	−51 59.3	2.007	2.756	16.4	20.3
9 28	22 53.33	−50 49.5	2.042	2.733	17.7	20.4
10 8	22 42.71	−49 3.9	2.093	2.710	19.0	20.4
10 18	22 35.80	−46 50.2	2.158	2.686	20.2	20.5

448426 2009 SY_{346} 9 11.0 323°.78 0°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 35.20	+ 0 30.5	2.118	2.983	12.1	20.9
8 19	23 31.37	− 0 17.6	2.040	2.977	8.9	20.7
8 29	23 26.00	− 1 19.3	1.987	2.970	5.4	20.5
9 8	23 19.64	− 2 30.4	1.959	2.965	1.5	20.2
9 18	23 12.99	− 3 45.1	1.960	2.959	2.6	20.3
9 28	23 6.84	− 4 56.9	1.989	2.953	6.4	20.5
10 8	23 1.91	− 6 0.0	2.044	2.948	9.9	20.7
10 18	22 58.72	− 6 50.2	2.122	2.943	13.0	20.9

510896 2013 CU_{189} 9 11.0 235°.10 0°.6/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 38.27	− 3 16.2	2.025	2.899	12.2	21.4
8 19	23 33.65	− 4 3.1	1.952	2.895	8.9	21.2
8 29	23 27.34	− 5 0.8	1.903	2.891	5.1	20.9
9 8	23 19.96	− 6 4.3	1.880	2.886	1.2	20.6
9 18	23 12.28	− 7 7.8	1.886	2.882	3.2	20.8
9 28	23 5.17	− 8 5.0	1.919	2.877	7.1	21.0
10 8	22 59.41	− 8 50.8	1.978	2.873	10.7	21.2
10 18	22 55.55	− 9 22.3	2.060	2.868	13.8	21.4

276969 2004 VQ_{19} 9 11.0 16°.88 11°.2/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.73	−29 43.2	1.382	2.275	15.5	19.1
8 19	23 39.72	−30 55.2	1.347	2.278	13.0	19.0
8 29	23 31.03	−31 50.6	1.333	2.282	11.4	18.9
9 8	23 20.81	−32 18.8	1.342	2.287	11.5	18.9
9 18	23 10.51	−32 13.5	1.373	2.292	13.2	19.1
9 28	23 1.60	−31 33.5	1.425	2.297	15.7	19.2
10 8	22 55.17	−30 22.7	1.496	2.304	18.2	19.4
10 18	22 51.76	−28 47.5	1.584	2.311	20.5	19.6

80658 2000 BP_{8} 9 11.0 109°.32 1°.8/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.65	− 7 5.4	1.622	2.504	14.2	19.7
8 19	23 38.44	− 7 42.1	1.570	2.518	10.2	19.5
8 29	23 30.13	− 8 26.4	1.542	2.531	5.8	19.3
9 8	23 20.61	− 9 11.9	1.539	2.545	1.9	19.1
9 18	23 10.92	− 9 52.4	1.564	2.558	4.4	19.3
9 28	23 2.22	−10 21.9	1.616	2.570	8.6	19.6
10 8	22 55.40	−10 37.0	1.692	2.582	12.5	19.8
10 18	22 51.03	−10 36.5	1.790	2.594	15.7	20.1

328616 2009 SS_{138} 9 11.0 216°.59 1°.6/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.17	− 8 31.5	2.626	3.502	9.7	21.5
8 19	23 33.23	− 9 5.8	2.553	3.498	6.9	21.3
8 29	23 26.96	− 9 44.4	2.505	3.494	4.0	21.1
9 8	23 19.86	−10 23.5	2.485	3.489	1.6	20.9
9 18	23 12.55	−10 59.0	2.495	3.484	3.4	21.0
9 28	23 5.70	−11 27.2	2.533	3.480	6.3	21.2
10 8	22 59.91	−11 45.2	2.598	3.475	9.1	21.4
10 18	22 55.64	−11 51.7	2.686	3.469	11.6	21.6

495191 2012 XX_{6} 9 11.0 28°.36 18°.4/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.26	+31 37.4	1.109	1.848	28.0	20.2
8 19	23 38.27	+33 37.5	1.054	1.851	25.8	20.0
8 29	23 30.83	+34 53.2	1.009	1.855	23.3	19.9
9 8	23 20.91	+35 14.6	0.978	1.859	20.9	19.7
9 18	23 10.08	+34 36.6	0.963	1.864	19.1	19.6
9 28	23 0.37	+33 2.7	0.964	1.869	18.4	19.6
10 8	22 53.53	+30 46.8	0.983	1.875	19.1	19.7
10 18	22 50.57	+28 7.6	1.020	1.881	20.8	19.8

132369 2002 GX_{69} 9 11.0 73°.07 1°.9/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.99	− 6 21.0	1.654	2.542	13.7	20.1
8 19	23 35.07	− 7 15.9	1.601	2.552	9.8	19.9
8 29	23 28.20	− 8 19.9	1.571	2.562	5.6	19.7
9 8	23 20.17	− 9 26.0	1.567	2.572	2.0	19.5
9 18	23 11.93	−10 26.9	1.589	2.582	4.4	19.7
9 28	23 4.53	−11 15.9	1.638	2.592	8.6	19.9
10 8	22 58.84	−11 48.7	1.712	2.602	12.3	20.2
10 18	22 55.40	−12 3.4	1.806	2.612	15.5	20.4

210442 2008 YL_{135} 9 11.0 155°.67 2°.5/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.58	+ 4 19.7	2.091	2.930	13.2	20.7
8 19	23 35.98	+ 4 19.4	2.018	2.934	10.1	20.5
8 29	23 28.68	+ 4 5.1	1.968	2.938	6.7	20.3
9 8	23 20.29	+ 3 38.7	1.944	2.941	3.4	20.1
9 18	23 11.63	+ 3 3.6	1.948	2.944	3.1	20.1
9 28	23 3.58	+ 2 24.8	1.980	2.947	6.3	20.3
10 8	22 56.93	+ 1 47.4	2.040	2.949	9.7	20.5
10 18	22 52.22	+ 1 15.9	2.123	2.952	12.7	20.7

195010 2002 CF_{15} 9 11.0 107°.30 0°.1/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.69	− 2 30.3	1.708	2.582	14.1	20.4
8 19	23 36.32	− 2 56.1	1.645	2.587	10.3	20.2
8 29	23 28.95	− 3 33.7	1.605	2.592	6.0	20.0
9 8	23 20.36	− 4 18.3	1.591	2.597	1.4	19.7
9 18	23 11.50	− 5 4.0	1.604	2.602	3.2	19.8
9 28	23 3.44	− 5 44.7	1.644	2.607	7.7	20.1
10 8	22 57.06	− 6 15.3	1.709	2.612	11.6	20.4
10 18	22 52.96	− 6 32.7	1.796	2.617	15.0	20.6

126626 2002 CN_{163} 9 11.0 302°.99 2°.4/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.59	− 8 3.7	1.505	2.400	14.4	19.8
8 19	23 35.97	− 8 44.6	1.429	2.383	10.5	19.5
8 29	23 29.00	− 9 34.8	1.375	2.367	6.1	19.2
9 8	23 20.42	−10 27.3	1.346	2.351	2.5	19.0
9 18	23 11.30	−11 14.6	1.343	2.335	5.2	19.1
9 28	23 2.90	−11 49.4	1.365	2.320	9.8	19.3
10 8	22 56.34	−12 6.7	1.411	2.305	14.2	19.6
10 18	22 52.37	−12 4.7	1.476	2.290	18.0	19.8

268275 2005 PP_7 9 11.0 343°.55 1°.8/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.98	− 0 19.2	1.374	2.249	16.7	20.1
8 19	23 38.50	− 0 4.0	1.306	2.246	12.6	19.9
8 29	23 30.48	− 0 3.2	1.259	2.243	7.8	19.6
9 8	23 20.77	− 0 14.1	1.236	2.240	2.9	19.3
9 18	23 10.59	− 0 32.2	1.239	2.238	3.6	19.4
9 28	23 1.32	− 0 51.6	1.267	2.236	8.6	19.7
10 8	22 54.16	− 1 6.2	1.318	2.235	13.3	19.9
10 18	22 49.83	− 1 11.6	1.390	2.234	17.3	20.2

195416 2002 GA_{41} 9 11.1 90°.73 4°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.81	+12 7.3	1.819	2.633	15.9	20.1
8 19	23 34.82	+11 46.9	1.759	2.651	12.7	19.9
8 29	23 28.02	+11 3.2	1.719	2.669	9.2	19.7
9 8	23 20.14	+ 9 58.5	1.704	2.687	5.9	19.6
9 18	23 12.08	+ 8 38.1	1.716	2.705	4.8	19.5
9 28	23 4.79	+ 7 9.5	1.755	2.722	6.9	19.7
10 8	22 59.09	+ 5 41.4	1.820	2.739	10.1	19.9
10 18	22 55.50	+ 4 21.0	1.910	2.755	13.2	20.2

177387 2004 BA_{74} 9 11.1 134°.34 0°.1/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.09	− 2 9.6	1.775	2.644	13.9	20.9
8 19	23 37.23	− 2 48.2	1.716	2.655	10.1	20.6
8 29	23 29.44	− 3 38.8	1.680	2.666	5.9	20.4
9 8	23 20.49	− 4 36.2	1.670	2.677	1.4	20.1
9 18	23 11.32	− 5 33.9	1.689	2.687	3.2	20.3
9 28	23 2.98	− 6 25.6	1.735	2.696	7.5	20.6
10 8	22 56.32	− 7 6.0	1.807	2.705	11.4	20.8
10 18	22 51.89	− 7 32.1	1.901	2.713	14.6	21.1

86485 2000 CF_{126} 9 11.1 64°.98 3°.6/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.07	− 9 18.0	1.161	2.065	17.0	19.4
8 19	23 38.69	−10 13.4	1.116	2.074	12.3	19.2
8 29	23 30.55	−11 16.8	1.091	2.083	7.2	18.9
9 8	23 20.78	−12 18.4	1.090	2.093	3.6	18.7
9 18	23 10.77	−13 8.5	1.112	2.102	6.5	18.9
9 28	23 2.05	−13 39.4	1.159	2.112	11.4	19.2
10 8	22 55.78	−13 47.6	1.227	2.121	15.9	19.5
10 18	22 52.59	−13 33.5	1.313	2.131	19.6	19.8

276465 2003 HO_4 9 11.1 54°.57 1°.5/ 9.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.20	− 3 56.3	1.361	2.252	15.8	20.1
8 19	23 35.36	− 5 7.2	1.325	2.278	11.3	19.9
8 29	23 28.38	− 6 30.2	1.312	2.304	6.3	19.7
9 8	23 20.23	− 7 56.6	1.324	2.330	1.7	19.5
9 18	23 12.04	− 9 16.7	1.361	2.356	4.5	19.7
9 28	23 4.96	−10 22.3	1.424	2.382	9.1	20.1
10 8	22 59.88	−11 8.2	1.510	2.409	13.2	20.4
10 18	22 57.28	−11 32.8	1.617	2.436	16.5	20.7

509036 2005 SO_{35} 9 11.1 342°.98 5°.3/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.81	−14 14.1	1.188	2.100	16.1	19.9
8 19	23 37.24	−14 52.2	1.130	2.091	11.9	19.6
8 29	23 29.86	−15 32.2	1.092	2.082	7.6	19.3
9 8	23 20.66	−16 4.8	1.077	2.075	5.3	19.2
9 18	23 10.99	−16 21.6	1.085	2.068	7.9	19.3
9 28	23 2.43	−16 16.5	1.116	2.063	12.4	19.6
10 8	22 56.23	−15 47.9	1.168	2.059	16.8	19.8
10 18	22 53.13	−14 57.6	1.237	2.055	20.5	20.0

306752 2000 YN_{12} 9 11.1 311°.89 3°.5/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.48	+ 5 3.1	1.519	2.378	16.3	19.8
8 19	23 35.22	+ 5 10.9	1.434	2.360	12.7	19.5
8 29	23 28.62	+ 4 59.3	1.370	2.343	8.6	19.2
9 8	23 20.39	+ 4 29.7	1.329	2.326	4.6	19.0
9 18	23 11.51	+ 3 45.9	1.313	2.310	4.2	18.9
9 28	23 3.25	+ 2 54.8	1.322	2.294	8.1	19.1
10 8	22 56.73	+ 2 4.3	1.356	2.278	12.5	19.3
10 18	22 52.77	+ 1 21.4	1.410	2.263	16.6	19.5

54742 2001 KS_{34} 9 11.1 11°.78 1°.8/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.17	+ 3 16.6	1.642	2.507	15.0	19.2
8 19	23 33.16	+ 2 42.9	1.575	2.508	11.3	19.0
8 29	23 27.20	+ 1 50.6	1.530	2.510	7.2	18.7
9 8	23 20.00	+ 0 44.2	1.509	2.512	2.9	18.5
9 18	23 12.48	− 0 30.0	1.514	2.514	3.1	18.5
9 28	23 5.68	− 1 43.9	1.547	2.517	7.3	18.8
10 8	23 0.49	− 2 49.7	1.603	2.520	11.4	19.0
10 18	22 57.49	− 3 42.0	1.682	2.523	14.9	19.3

456618 2007 HB 9 11.1 151°.18 11°.5/29.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.13	−38 2.0	2.008	2.849	13.6	24.3
8 19	23 46.07	−39 46.6	1.988	2.865	12.2	24.2
8 29	23 34.56	−41 10.5	1.992	2.879	11.6	24.2
9 8	23 21.70	−42 4.5	2.019	2.892	12.0	24.3
9 18	23 8.80	−42 24.0	2.071	2.903	13.2	24.4
9 28	22 57.25	−42 8.5	2.145	2.914	14.8	24.5
10 8	22 48.06	−41 22.5	2.237	2.922	16.3	24.7
10 18	22 41.80	−40 12.1	2.345	2.930	17.7	24.8

476648 2008 SK_{271} 9 11.1 341°.91 2°.8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 32.87	− 6 17.0	1.111	2.028	16.6	19.9
8 19	23 30.84	− 7 23.2	1.045	2.011	12.0	19.5
8 29	23 26.22	− 8 45.9	0.999	1.995	6.9	19.2
9 8	23 19.82	−10 15.4	0.976	1.981	2.8	18.9
9 18	23 12.83	−11 39.7	0.974	1.968	6.2	19.1
9 28	23 6.71	−12 47.0	0.996	1.957	11.6	19.4
10 8	23 2.70	−13 29.3	1.037	1.948	16.6	19.6
10 18	23 1.60	−13 43.2	1.096	1.940	20.9	19.9

90065 2002 VQ_{74} 9 11.1 60°.06 2°.4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.90	− 8 21.8	1.836	2.725	12.5	19.6
8 19	23 34.21	− 9 19.2	1.776	2.728	9.0	19.4
8 29	23 27.72	−10 23.6	1.741	2.731	5.2	19.2
9 8	23 20.12	−11 28.2	1.731	2.735	2.4	19.0
9 18	23 12.27	−12 26.5	1.750	2.738	4.7	19.2
9 28	23 5.14	−13 12.2	1.794	2.742	8.5	19.4
10 8	22 59.53	−13 41.6	1.864	2.745	11.9	19.7
10 18	22 55.98	−13 53.2	1.955	2.749	14.9	19.9

514461 2016 UE_{99} 9 11.1 229°.59 1°.6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.40	+ 2 32.2	2.007	2.860	13.1	21.8
8 19	23 34.54	+ 2 8.6	1.928	2.855	9.9	21.5
8 29	23 27.93	+ 1 30.3	1.871	2.849	6.3	21.3
9 8	23 20.18	+ 0 40.4	1.841	2.844	2.6	21.1
9 18	23 12.09	− 0 16.1	1.839	2.838	2.8	21.1
9 28	23 4.55	− 1 13.4	1.865	2.832	6.5	21.3
10 8	22 58.39	− 2 5.4	1.917	2.826	10.2	21.5
10 18	22 54.18	− 2 47.6	1.992	2.819	13.5	21.7

480887 2002 CQ_{123} 9 11.1 210°.92 1°.3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.06	− 5 54.7	2.680	3.551	9.6	22.1
8 19	23 32.46	− 6 57.6	2.602	3.545	6.9	21.9
8 29	23 26.56	− 8 7.8	2.549	3.538	3.9	21.7
9 8	23 19.84	− 9 20.6	2.526	3.531	1.4	21.5
9 18	23 12.87	−10 31.1	2.532	3.523	3.2	21.7
9 28	23 6.30	−11 34.1	2.568	3.515	6.3	21.9
10 8	23 0.73	−12 25.9	2.631	3.506	9.1	22.0
10 18	22 56.62	−13 4.0	2.718	3.497	11.6	22.2

398770 2013 AC_{88} 9 11.1 278°.45 1°.6/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.90	+ 1 10.3	1.890	2.748	13.6	21.4
8 19	23 35.83	+ 1 4.1	1.802	2.733	10.3	21.1
8 29	23 28.79	+ 0 44.3	1.737	2.717	6.5	20.9
9 8	23 20.41	+ 0 13.7	1.698	2.701	2.6	20.6
9 18	23 11.54	− 0 23.9	1.685	2.684	2.9	20.6
9 28	23 3.19	− 1 2.7	1.701	2.668	7.0	20.8
10 8	22 56.30	− 1 37.3	1.742	2.652	11.0	21.0
10 18	22 51.55	− 2 3.1	1.806	2.635	14.5	21.2

44928 1999 VJ_{37} 9 11.1 11°.30 5°.0/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.63	+ 7 17.2	1.094	1.968	20.2	18.4
8 19	23 34.23	+ 7 27.6	1.038	1.970	15.9	18.1
8 29	23 28.12	+ 7 10.0	1.000	1.973	11.0	17.9
9 8	23 20.26	+ 6 26.6	0.982	1.977	6.4	17.6
9 18	23 11.95	+ 5 23.5	0.986	1.983	5.3	17.6
9 28	23 4.71	+ 4 11.2	1.014	1.989	9.2	17.8
10 8	22 59.77	+ 3 1.1	1.063	1.997	14.0	18.1
10 18	22 57.85	+ 2 2.6	1.131	2.006	18.2	18.4

310025 2009 TO_{26} 9 11.1 311°.79 3°.2/ 5.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 33.66	−19 16.4	3.897	4.781	6.6	20.1
8 19	23 29.67	−19 51.6	3.828	4.770	5.0	19.9
8 29	23 24.81	−20 25.0	3.785	4.759	3.6	19.8
9 8	23 19.41	−20 53.6	3.770	4.748	3.2	19.8
9 18	23 13.87	−21 14.7	3.784	4.738	4.3	19.8
9 28	23 8.62	−21 26.3	3.826	4.728	5.9	20.0
10 8	23 4.08	−21 27.2	3.894	4.717	7.6	20.1
10 18	23 0.55	−21 17.2	3.985	4.707	9.1	20.2

156651 2002 JZ_{54} 9 11.1 183°.91 5°.1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.20	+17 2.0	2.841	3.600	12.1	20.6
8 19	23 32.54	+16 57.0	2.753	3.601	10.1	20.4
8 29	23 26.60	+16 34.2	2.686	3.600	7.9	20.3
9 8	23 19.85	+15 54.0	2.645	3.600	6.0	20.2
9 18	23 12.86	+14 58.5	2.631	3.599	5.1	20.1
9 28	23 6.27	+13 51.4	2.646	3.597	5.8	20.2
10 8	23 0.66	+12 38.2	2.689	3.596	7.7	20.3
10 18	22 56.50	+11 24.3	2.757	3.593	9.9	20.4

172181 2002 PW_{48} 9 11.1 50°.25 5°.7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.79	+10 56.2	1.686	2.508	16.6	19.3
8 19	23 36.49	+11 26.3	1.623	2.519	13.4	19.1
8 29	23 29.12	+11 34.9	1.580	2.529	9.9	19.0
9 8	23 20.46	+11 22.1	1.561	2.540	6.8	18.8
9 18	23 11.50	+10 50.7	1.567	2.551	5.8	18.8
9 28	23 3.34	+10 6.2	1.600	2.563	7.8	18.9
10 8	22 56.92	+ 9 16.1	1.657	2.575	11.0	19.1
10 18	22 52.83	+ 8 27.5	1.737	2.586	14.1	19.4

98447 2000 UE_{60} 9 11.1 8°.86 3°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.26	+ 2 50.3	1.028	1.919	19.9	18.5
8 19	23 35.55	+ 2 57.7	0.974	1.919	15.2	18.2
8 29	23 28.94	+ 2 41.6	0.937	1.921	9.8	17.9
9 8	23 20.46	+ 2 5.4	0.922	1.924	4.5	17.6
9 18	23 11.52	+ 1 16.0	0.928	1.928	4.4	17.6
9 28	23 3.73	+ 0 23.5	0.957	1.933	9.6	18.0
10 8	22 58.42	− 0 22.4	1.007	1.939	14.8	18.3
10 18	22 56.30	− 0 54.5	1.076	1.947	19.3	18.6

164994 2000 BK_{13} 9 11.1 239°.99 0°.7/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.25	− 0 31.6	2.038	2.900	12.6	21.0
8 19	23 35.16	− 0 54.6	1.957	2.891	9.4	20.8
8 29	23 28.30	− 1 29.7	1.900	2.883	5.7	20.5
9 8	23 20.29	− 2 13.3	1.869	2.874	1.7	20.3
9 18	23 11.91	− 3 0.6	1.866	2.865	2.7	20.3
9 28	23 4.08	− 3 46.2	1.892	2.856	6.7	20.6
10 8	22 57.61	− 4 24.9	1.943	2.847	10.4	20.8
10 18	22 53.10	− 4 52.9	2.018	2.837	13.6	21.0

336016 2007 TQ_{445} 9 11.1 59°.23 13°.7/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.84	+30 48.5	1.052	1.810	28.2	20.7
8 19	23 34.01	+30 46.7	0.993	1.819	25.1	20.5
8 29	23 28.14	+29 48.2	0.946	1.829	21.5	20.3
9 8	23 20.30	+27 47.5	0.913	1.839	17.7	20.2
9 18	23 11.98	+24 47.5	0.899	1.849	14.6	20.0
9 28	23 4.94	+21 3.2	0.907	1.860	13.7	20.0
10 8	23 0.54	+16 59.3	0.937	1.870	15.5	20.2
10 18	22 59.49	+13 1.9	0.990	1.881	18.8	20.4

446357 2014 HG_{21} 9 11.1 153°.37 1°.6/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.47	+ 2 30.8	2.011	2.864	13.1	21.4
8 19	23 34.53	+ 2 10.0	1.939	2.866	9.9	21.2
8 29	23 27.90	+ 1 34.9	1.891	2.868	6.2	21.0
9 8	23 20.19	+ 0 48.9	1.868	2.870	2.6	20.7
9 18	23 12.21	− 0 3.5	1.873	2.872	2.7	20.7
9 28	23 4.83	− 0 56.5	1.906	2.873	6.4	21.0
10 8	22 58.84	− 1 44.3	1.965	2.874	10.0	21.2
10 18	22 54.78	− 2 22.8	2.048	2.876	13.1	21.4

108873 2001 OF_{103} 9 11.1 339°.64 2°.8/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 25.96	+ 7 56.5	0.993	1.886	20.2	18.3
8 19	23 25.98	+ 6 46.7	0.916	1.862	15.8	17.9
8 29	23 23.50	+ 4 53.9	0.856	1.839	10.5	17.6
9 8	23 19.23	+ 2 22.6	0.816	1.819	4.8	17.2
9 18	23 14.27	− 0 34.5	0.798	1.800	4.0	17.1
9 28	23 10.08	− 3 36.7	0.803	1.783	10.0	17.3
10 8	23 8.01	− 6 22.6	0.829	1.769	16.1	17.6
10 18	23 8.94	− 8 36.1	0.873	1.757	21.4	17.9

511284 2014 DW_{40} 9 11.1 208°.06 1°.8/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.30	− 7 1.6	2.084	2.962	11.7	22.0
8 19	23 35.13	− 7 55.6	2.011	2.957	8.4	21.8
8 29	23 28.25	− 8 57.3	1.963	2.952	4.8	21.5
9 8	23 20.28	−10 1.2	1.943	2.947	1.9	21.3
9 18	23 12.00	−11 1.1	1.951	2.941	4.0	21.5
9 28	23 4.30	−11 51.2	1.987	2.935	7.7	21.7
10 8	22 57.97	−12 27.5	2.049	2.928	11.1	21.9
10 18	22 53.55	−12 47.7	2.133	2.921	14.0	22.1

288865 2004 RW_{227} 9 11.1 301°.71 1°.6/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.77	− 8 23.7	2.112	2.992	11.5	20.3
8 19	23 35.46	− 8 41.5	2.036	2.983	8.3	20.1
8 29	23 28.44	− 9 4.3	1.984	2.973	4.8	19.9
9 8	23 20.33	− 9 27.8	1.959	2.964	1.7	19.6
9 18	23 11.90	− 9 47.7	1.963	2.955	3.7	19.8
9 28	23 4.05	− 9 59.9	1.994	2.946	7.3	20.0
10 8	22 57.56	−10 1.6	2.050	2.938	10.7	20.2
10 18	22 52.98	− 9 51.4	2.130	2.929	13.7	20.4

384871 2012 SA_{41} 9 11.1 135°.60 0°.1/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.05	− 3 48.6	1.797	2.666	13.7	20.6
8 19	23 38.71	− 3 54.1	1.732	2.672	10.0	20.4
8 29	23 30.37	− 4 8.7	1.691	2.677	5.9	20.1
9 8	23 20.79	− 4 28.5	1.676	2.682	1.4	19.9
9 18	23 10.95	− 4 49.1	1.688	2.686	3.1	20.0
9 28	23 1.92	− 5 5.8	1.729	2.691	7.5	20.3
10 8	22 54.61	− 5 14.8	1.795	2.695	11.3	20.5
10 18	22 49.58	− 5 13.7	1.884	2.699	14.6	20.8

193397 2000 WQ_{9} 9 11.1 204°.45 2°.8/ 8.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.35	−10 38.0	2.216	3.096	11.0	20.8
8 19	23 35.82	−11 33.0	2.144	3.092	7.9	20.6
8 29	23 28.62	−12 32.3	2.098	3.086	4.7	20.4
9 8	23 20.38	−13 30.4	2.080	3.080	2.8	20.2
9 18	23 11.84	−14 21.5	2.091	3.074	4.7	20.3
9 28	23 3.87	−15 0.5	2.130	3.067	8.0	20.5
10 8	22 57.23	−15 24.5	2.194	3.059	11.1	20.7
10 18	22 52.46	−15 32.2	2.281	3.051	13.8	20.9

477157 2009 DG_{132} 9 11.1 333°.10 1°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.68	− 6 56.7	1.771	2.654	13.2	21.6
8 19	23 36.35	− 7 18.1	1.704	2.651	9.6	21.4
8 29	23 29.04	− 7 46.7	1.659	2.649	5.5	21.2
9 8	23 20.49	− 8 17.5	1.641	2.647	1.6	20.9
9 18	23 11.62	− 8 45.4	1.650	2.645	3.9	21.1
9 28	23 3.49	− 9 5.1	1.686	2.643	8.1	21.3
10 8	22 56.99	− 9 13.0	1.746	2.641	11.9	21.5
10 18	22 52.72	− 9 7.5	1.828	2.639	15.1	21.8

54678 2000 YW_{47} 9 11.1 245°.22 2°.5/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 31.86	+10 51.6	4.570	5.358	7.4	19.8
8 19	23 28.29	+10 47.9	4.477	5.353	6.0	19.7
8 29	23 23.99	+10 35.2	4.409	5.348	4.4	19.6
9 8	23 19.25	+10 14.4	4.368	5.342	3.0	19.4
9 18	23 14.38	+ 9 46.7	4.355	5.337	2.5	19.4
9 28	23 9.71	+ 9 14.3	4.373	5.332	3.4	19.5
10 8	23 5.59	+ 8 39.5	4.419	5.327	4.9	19.6
10 18	23 2.27	+ 8 4.7	4.492	5.322	6.5	19.7

268893 2007 BY_{31} 9 11.1 208°.47 0°.1/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.84	− 2 11.6	1.886	2.752	13.3	21.5
8 19	23 37.15	− 2 40.6	1.810	2.747	9.8	21.3
8 29	23 29.52	− 3 21.2	1.757	2.742	5.8	21.1
9 8	23 20.62	− 4 9.2	1.730	2.736	1.4	20.8
9 18	23 11.33	− 4 59.0	1.732	2.730	3.1	20.9
9 28	23 2.69	− 5 44.6	1.761	2.723	7.4	21.1
10 8	22 55.59	− 6 20.7	1.817	2.715	11.3	21.4
10 18	22 50.66	− 6 44.1	1.895	2.707	14.6	21.6

51702 2001 KK_{24} 9 11.1 218°.51 4°.3/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.88	+ 8 6.3	1.628	2.466	16.4	19.0
8 19	23 36.75	+ 8 8.1	1.552	2.463	12.9	18.8
8 29	23 29.41	+ 7 48.5	1.497	2.460	9.1	18.5
9 8	23 20.61	+ 7 8.8	1.465	2.457	5.4	18.3
9 18	23 11.34	+ 6 13.2	1.460	2.453	4.6	18.3
9 28	23 2.78	+ 5 8.7	1.481	2.450	7.7	18.4
10 8	22 55.97	+ 4 3.8	1.527	2.446	11.7	18.7
10 18	22 51.61	+ 3 5.7	1.595	2.441	15.3	18.9

344434 2002 FJ_{37} 9 11.1 230°.71 6°.6/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.34	−21 13.5	1.765	2.652	13.0	20.2
8 19	23 40.53	−21 57.3	1.706	2.648	10.0	20.0
8 29	23 31.48	−22 35.3	1.671	2.644	7.4	19.9
9 8	23 21.08	−22 59.8	1.661	2.639	6.6	19.8
9 18	23 10.41	−23 5.1	1.678	2.635	8.4	19.9
9 28	23 0.69	−22 47.9	1.721	2.630	11.4	20.1
10 8	22 52.92	−22 8.8	1.787	2.625	14.4	20.3
10 18	22 47.69	−21 10.6	1.873	2.620	17.1	20.5

353666 2011 UJ_{190} 9 11.1 338°.94 4°.3/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 35.13	−10 37.9	1.464	2.372	13.9	20.0
8 19	23 31.99	−12 6.5	1.400	2.361	10.0	19.7
8 29	23 26.68	−13 43.9	1.359	2.351	6.1	19.5
9 8	23 19.97	−15 20.0	1.342	2.341	4.4	19.4
9 18	23 12.82	−16 44.6	1.351	2.332	7.1	19.5
9 28	23 6.42	−17 48.9	1.384	2.324	11.1	19.7
10 8	23 1.76	−18 27.6	1.439	2.317	15.0	20.0
10 18	22 59.51	−18 39.8	1.513	2.310	18.4	20.2

463420 2013 HD_{128} 9 11.1 132°.88 1°.3/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.94	− 5 52.5	1.305	2.193	16.6	21.4
8 19	23 40.69	− 6 14.0	1.248	2.197	12.1	21.1
8 29	23 31.77	− 6 46.2	1.211	2.201	7.0	20.8
9 8	23 21.17	− 7 22.5	1.199	2.205	1.8	20.5
9 18	23 10.22	− 7 55.6	1.213	2.209	4.6	20.7
9 28	23 0.41	− 8 18.9	1.252	2.213	9.8	21.1
10 8	22 52.92	− 8 27.8	1.314	2.216	14.4	21.3
10 18	22 48.44	− 8 20.4	1.396	2.219	18.3	21.6

282544 2004 TB_{54} 9 11.1 30°.56 3°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.16	+ 7 21.4	1.545	2.396	16.5	19.8
8 19	23 34.01	+ 6 59.5	1.479	2.399	12.8	19.6
8 29	23 27.78	+ 6 14.6	1.434	2.403	8.7	19.4
9 8	23 20.21	+ 5 10.0	1.412	2.408	4.7	19.2
9 18	23 12.31	+ 3 51.8	1.416	2.412	3.9	19.1
9 28	23 5.19	+ 2 28.8	1.445	2.417	7.5	19.4
10 8	22 59.80	+ 1 10.0	1.500	2.422	11.6	19.6
10 18	22 56.77	+ 0 2.8	1.577	2.428	15.2	19.9

382043 2011 DU_{2} 9 11.1 264°.15 1°.5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.91	− 5 3.4	1.608	2.492	14.2	21.4
8 19	23 36.13	− 5 57.0	1.529	2.478	10.4	21.2
8 29	23 29.10	− 7 3.3	1.473	2.464	6.0	20.9
9 8	23 20.56	− 8 15.9	1.443	2.449	1.8	20.6
9 18	23 11.48	− 9 26.6	1.439	2.434	4.4	20.7
9 28	23 3.06	−10 27.3	1.462	2.418	9.1	21.0
10 8	22 56.36	−11 11.7	1.509	2.403	13.5	21.2
10 18	22 52.10	−11 36.5	1.576	2.387	17.2	21.4

186973 2004 RY_{184} 9 11.1 74°.48 4°.5/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 37.56	+11 44.8	2.190	2.998	13.7	20.2
8 19	23 33.07	+11 39.4	2.117	3.005	11.1	20.0
8 29	23 27.03	+11 15.1	2.065	3.011	8.1	19.8
9 8	23 20.03	+10 33.1	2.038	3.018	5.5	19.7
9 18	23 12.78	+ 9 36.7	2.039	3.024	4.5	19.6
9 28	23 6.08	+ 8 31.3	2.066	3.031	6.2	19.8
10 8	23 0.65	+ 7 23.2	2.121	3.037	9.0	20.0
10 18	22 56.98	+ 6 18.6	2.200	3.044	11.7	20.1

481393 2006 RO_{122} 9 11.1 285°.32 1°.0/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.22	− 4 55.8	1.914	2.793	12.5	21.6
8 19	23 34.48	− 5 33.3	1.842	2.788	9.1	21.4
8 29	23 27.95	− 6 20.4	1.793	2.783	5.2	21.1
9 8	23 20.26	− 7 11.8	1.771	2.777	1.3	20.8
9 18	23 12.25	− 8 2.0	1.776	2.772	3.5	21.0
9 28	23 4.85	− 8 44.9	1.809	2.767	7.6	21.2
10 8	22 58.89	− 9 16.0	1.867	2.761	11.2	21.5
10 18	22 54.95	− 9 32.8	1.947	2.756	14.4	21.7

341837 2008 CT_{200} 9 11.1 122°.66 0°.2/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.23	− 0 48.2	1.647	2.516	14.7	22.1
8 19	23 36.77	− 1 32.8	1.588	2.528	10.8	21.9
8 29	23 29.29	− 2 31.9	1.553	2.539	6.3	21.7
9 8	23 20.57	− 3 39.7	1.543	2.549	1.6	21.4
9 18	23 11.62	− 4 49.0	1.561	2.559	3.2	21.5
9 28	23 3.53	− 5 52.3	1.606	2.569	7.8	21.8
10 8	22 57.20	− 6 43.4	1.675	2.578	11.8	22.1
10 18	22 53.20	− 7 18.7	1.767	2.587	15.2	22.3

207058 2004 XP_{74} 9 11.1 288°.63 8°.5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.90	+16 43.0	1.802	2.586	17.1	20.3
8 19	23 37.67	+17 42.6	1.706	2.566	14.6	20.1
8 29	23 30.12	+18 20.2	1.629	2.546	11.9	19.9
9 8	23 20.85	+18 32.6	1.575	2.527	9.5	19.7
9 18	23 10.81	+18 19.0	1.545	2.507	8.5	19.6
9 28	23 1.19	+17 42.2	1.541	2.487	9.7	19.7
10 8	22 53.15	+16 49.1	1.561	2.467	12.3	19.8
10 18	22 47.54	+15 48.2	1.602	2.447	15.3	19.9

47322 1999 XS_{21} 9 11.1 44°.17 2°.5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.78	+ 6 2.4	1.301	2.168	18.0	18.4
8 19	23 33.98	+ 5 11.3	1.243	2.176	13.7	18.1
8 29	23 27.84	+ 3 53.8	1.206	2.184	8.9	17.9
9 8	23 20.25	+ 2 15.6	1.191	2.192	4.0	17.6
9 18	23 12.34	+ 0 26.5	1.202	2.201	3.6	17.7
9 28	23 5.39	− 1 21.5	1.238	2.211	8.3	18.0
10 8	23 0.42	− 2 57.4	1.297	2.220	13.0	18.3
10 18	22 58.07	− 4 13.7	1.378	2.230	16.9	18.5

362965 2013 BU_{56} 9 11.1 294°.08 1°.8/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 31.87	−12 0.4	4.080	4.960	6.4	20.7
8 19	23 28.37	−12 41.4	4.008	4.955	4.6	20.6
8 29	23 24.08	−13 24.0	3.963	4.949	2.8	20.5
9 8	23 19.31	−14 5.2	3.946	4.944	1.8	20.4
9 18	23 14.41	−14 42.5	3.960	4.939	2.9	20.5
9 28	23 9.77	−15 13.4	4.002	4.933	4.8	20.6
10 8	23 5.74	−15 36.2	4.072	4.928	6.6	20.7
10 18	23 2.61	−15 49.7	4.166	4.922	8.2	20.8

50954 2000 GH_{79} 9 11.1 258°.02 5°.2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.96	−18 46.7	2.091	2.977	11.4	19.3
8 19	23 37.91	−19 33.3	2.018	2.962	8.6	19.1
8 29	23 29.96	−20 17.6	1.969	2.946	6.1	18.9
9 8	23 20.77	−20 53.1	1.947	2.930	5.3	18.8
9 18	23 11.21	−21 14.2	1.953	2.914	7.0	18.9
9 28	23 2.30	−21 17.1	1.985	2.898	9.9	19.0
10 8	22 54.90	−21 0.6	2.042	2.881	12.8	19.2
10 18	22 49.62	−20 25.7	2.119	2.864	15.4	19.4

155865 2001 DK 9 11.1 197°.60 0°.7/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.33	− 4 22.8	2.657	3.524	9.9	20.6
8 19	23 32.67	− 5 5.8	2.582	3.522	7.1	20.4
8 29	23 26.72	− 5 56.2	2.532	3.519	4.1	20.2
9 8	23 19.97	− 6 50.1	2.510	3.516	1.0	20.0
9 18	23 13.00	− 7 43.3	2.518	3.513	2.7	20.1
9 28	23 6.45	− 8 31.2	2.555	3.510	5.8	20.3
10 8	23 0.93	− 9 10.3	2.619	3.506	8.7	20.5
10 18	22 56.87	− 9 38.3	2.707	3.502	11.2	20.7

337276 2000 UB_{82} 9 11.1 339°.59 5°.9/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.81	−15 8.0	1.164	2.080	16.1	20.0
8 19	23 35.94	−15 50.4	1.102	2.064	11.9	19.7
8 29	23 29.24	−16 34.2	1.059	2.049	7.8	19.4
9 8	23 20.64	−17 9.6	1.039	2.036	5.9	19.3
9 18	23 11.48	−17 27.6	1.042	2.023	8.5	19.4
9 28	23 3.33	−17 21.7	1.067	2.012	13.0	19.6
10 8	22 57.52	−16 50.1	1.112	2.003	17.4	19.9
10 18	22 54.82	−15 54.6	1.174	1.995	21.2	20.1

513937 2014 DJ_{76} 9 11.1 264°.66 0°.7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.10	− 6 0.2	1.827	2.700	13.3	21.8
8 19	23 38.94	− 6 4.4	1.746	2.688	9.8	21.6
8 29	23 30.66	− 6 15.8	1.688	2.676	5.7	21.3
9 8	23 20.96	− 6 30.4	1.657	2.663	1.4	21.0
9 18	23 10.80	− 6 43.8	1.654	2.651	3.5	21.1
9 28	23 1.29	− 6 51.5	1.679	2.638	7.9	21.4
10 8	22 53.43	− 6 50.2	1.729	2.625	11.9	21.6
10 18	22 47.89	− 6 37.8	1.801	2.612	15.4	21.8

171420 2006 VX_{28} 9 11.1 196°.22 3°.4/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.34	−18 31.7	3.484	4.365	7.4	20.1
8 19	23 31.70	−19 12.1	3.421	4.363	5.5	20.0
8 29	23 26.05	−19 50.8	3.386	4.362	3.9	19.9
9 8	23 19.80	−20 24.2	3.379	4.360	3.4	19.9
9 18	23 13.42	−20 49.3	3.401	4.357	4.6	20.0
9 28	23 7.41	−21 3.7	3.451	4.355	6.4	20.1
10 8	23 2.22	−21 6.3	3.527	4.352	8.2	20.2
10 18	22 58.21	−20 57.0	3.626	4.350	9.9	20.3

142110 2002 RO 9 11.1 230°.09 1°.1/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.39	− 5 14.3	1.669	2.549	14.1	20.3
8 19	23 37.80	− 5 46.7	1.596	2.542	10.3	20.1
8 29	23 30.02	− 6 29.3	1.546	2.535	5.9	19.8
9 8	23 20.81	− 7 16.7	1.522	2.528	1.5	19.5
9 18	23 11.17	− 8 2.4	1.525	2.520	4.0	19.7
9 28	23 2.26	− 8 39.9	1.554	2.512	8.5	19.9
10 8	22 55.10	− 9 4.5	1.609	2.504	12.7	20.2
10 18	22 50.36	− 9 13.4	1.684	2.496	16.2	20.4

364104 2005 YA_{251} 9 11.1 269°.67 1°.6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.79	+ 2 41.5	2.294	3.142	11.9	21.6
8 19	23 33.25	+ 2 23.3	2.209	3.133	9.0	21.4
8 29	23 27.17	+ 1 52.3	2.148	3.124	5.7	21.2
9 8	23 20.11	+ 1 11.0	2.114	3.115	2.5	21.0
9 18	23 12.72	+ 0 23.3	2.107	3.106	2.5	21.0
9 28	23 5.78	− 0 25.9	2.129	3.096	5.8	21.2
10 8	23 0.01	− 1 11.5	2.178	3.087	9.2	21.4
10 18	22 55.93	− 1 49.5	2.251	3.078	12.1	21.5

365610 2010 UY_{22} 9 11.1 199°.42 3°.7/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.50	−14 55.0	2.331	3.216	10.4	21.2
8 19	23 35.11	−15 37.9	2.268	3.215	7.6	21.1
8 29	23 28.19	−16 21.1	2.230	3.214	4.9	20.9
9 8	23 20.33	−16 59.3	2.219	3.212	3.7	20.8
9 18	23 12.27	−17 27.8	2.237	3.210	5.3	20.9
9 28	23 4.79	−17 43.0	2.282	3.209	8.1	21.1
10 8	22 58.60	−17 43.2	2.353	3.207	10.8	21.3
10 18	22 54.18	−17 28.3	2.445	3.205	13.2	21.4

191742 2004 SA_{13} 9 11.1 347°.70 3°.6/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.37	−11 5.7	1.901	2.797	11.8	19.7
8 19	23 32.43	−12 22.9	1.839	2.794	8.5	19.5
8 29	23 26.76	−13 45.4	1.802	2.791	5.2	19.3
9 8	23 20.01	−15 5.7	1.791	2.789	3.6	19.2
9 18	23 12.97	−16 16.5	1.808	2.787	5.7	19.4
9 28	23 6.56	−17 11.5	1.850	2.785	9.1	19.6
10 8	23 1.56	−17 46.9	1.917	2.784	12.4	19.8
10 18	22 58.51	−18 1.7	2.005	2.783	15.1	20.0

424528 2008 EB_{92} 9 11.1 185°.08 1°.6/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.31	− 5 56.0	1.740	2.619	13.6	21.8
8 19	23 37.60	− 6 42.6	1.673	2.620	9.8	21.6
8 29	23 29.83	− 7 38.8	1.630	2.619	5.6	21.3
9 8	23 20.76	− 8 38.3	1.613	2.619	1.8	21.0
9 18	23 11.35	− 9 34.3	1.624	2.617	4.2	21.2
9 28	23 2.71	−10 20.3	1.662	2.616	8.4	21.5
10 8	22 55.76	−10 51.5	1.725	2.613	12.4	21.7
10 18	22 51.13	−11 6.0	1.809	2.611	15.7	21.9

437755 2014 FZ_{63} 9 11.1 350°.91 5°.4/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.32	−17 21.9	1.782	2.676	12.5	20.3
8 19	23 36.84	−18 17.9	1.726	2.676	9.3	20.1
8 29	23 29.35	−19 12.3	1.695	2.676	6.4	20.0
9 8	23 20.63	−19 57.6	1.689	2.675	5.5	19.9
9 18	23 11.68	−20 27.3	1.709	2.675	7.4	20.0
9 28	23 3.55	−20 37.3	1.755	2.675	10.5	20.2
10 8	22 57.14	−20 26.2	1.824	2.675	13.6	20.4
10 18	22 53.02	−19 55.5	1.913	2.675	16.3	20.6

511352 2014 FW_{1} 9 11.1 243°.40 5°.8/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.98	−17 51.6	1.839	2.735	12.2	21.0
8 19	23 35.88	−19 7.6	1.781	2.731	9.1	20.8
8 29	23 28.82	−20 22.5	1.747	2.726	6.5	20.7
9 8	23 20.52	−21 28.1	1.740	2.722	5.9	20.6
9 18	23 11.92	−22 17.1	1.758	2.717	7.9	20.8
9 28	23 4.06	−22 44.6	1.802	2.713	10.9	20.9
10 8	22 57.83	−22 48.8	1.869	2.708	13.9	21.1
10 18	22 53.82	−22 31.0	1.956	2.703	16.5	21.3

199272 2006 BS_{31} 9 11.1 16°.74 0°.8/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.05	− 5 13.1	1.386	2.277	15.7	19.6
8 19	23 37.00	− 5 26.7	1.329	2.280	11.4	19.3
8 29	23 29.60	− 5 50.7	1.293	2.283	6.6	19.0
9 8	23 20.72	− 6 19.7	1.281	2.287	1.6	18.7
9 18	23 11.53	− 6 47.3	1.294	2.292	4.0	18.9
9 28	23 3.32	− 7 7.5	1.333	2.297	8.9	19.2
10 8	22 57.14	− 7 15.6	1.395	2.303	13.3	19.5
10 18	22 53.63	− 7 9.5	1.477	2.310	17.0	19.8

356212 2009 RP_{64} 9 11.1 284°.02 0°.4/11.9 15

8 9	23 31.38	− 0 50.6	4.390	5.239	6.6	21.2
8 19	23 27.98	− 1 13.2	4.306	5.235	4.9	21.1
8 29	23 23.86	− 1 41.3	4.249	5.230	2.9	20.9
9 8	23 19.30	− 2 13.0	4.221	5.226	0.9	20.8
9 18	23 14.63	− 2 46.3	4.222	5.221	1.4	20.8
9 28	23 10.17	− 3 19.0	4.254	5.217	3.4	21.0
10 8	23 6.27	− 3 48.7	4.314	5.212	5.3	21.1
10 18	23 3.19	− 4 13.8	4.401	5.208	7.0	21.2

88240 2001 CG_{21} 9 11.1 235°.53 0°.8/12.9 17

8 9	23 30.81	+ 2 6.6	4.545	5.382	6.6	20.4
8 19	23 27.55	+ 1 39.9	4.461	5.380	5.0	20.3
8 29	23 23.61	+ 1 6.8	4.403	5.378	3.1	20.2
9 8	23 19.25	+ 0 29.0	4.374	5.376	1.3	20.0
9 18	23 14.78	− 0 11.6	4.375	5.373	1.3	20.0
9 28	23 10.53	− 0 52.6	4.406	5.371	3.2	20.2
10 8	23 6.80	− 1 31.5	4.466	5.369	5.0	20.3
10 18	23 3.86	− 2 6.4	4.552	5.367	6.7	20.4

483070 2015 LA_{18} 9 11.1 121°.24 7°.1/19.1 18

8 9	23 41.05	+18 27.8	2.017	2.785	16.1	20.4
8 19	23 35.79	+18 41.6	1.946	2.796	13.5	20.3
8 29	23 28.72	+18 30.9	1.895	2.807	10.8	20.1
9 8	23 20.51	+17 55.4	1.867	2.818	8.3	20.0
9 18	23 12.01	+16 57.5	1.864	2.828	7.1	19.9
9 28	23 4.18	+15 42.6	1.888	2.838	7.9	20.0
10 8	22 57.84	+14 18.8	1.938	2.848	10.1	20.2
10 18	22 53.57	+12 54.0	2.012	2.857	12.7	20.3

470727 2008 UQ_{55} 9 11.1 29°.26 6°.4/17.2 16

8 9	23 34.63	+13 47.1	1.069	1.922	22.0	20.4
8 19	23 31.91	+13 21.3	1.029	1.943	17.7	20.2
8 29	23 26.69	+12 18.0	1.006	1.965	12.9	20.0
9 8	23 20.02	+10 41.5	1.003	1.989	8.4	19.9
9 18	23 13.19	+ 8 42.0	1.022	2.014	6.4	19.9
9 28	23 7.53	+ 6 33.9	1.064	2.040	8.9	20.1
10 8	23 4.08	+ 4 32.1	1.130	2.068	12.9	20.4
10 18	23 3.34	+ 2 47.8	1.216	2.096	16.8	20.7

314586 2006 AN_{10} 9 11.1 302°.63 4°.9/ 5.2 18

8 9	23 37.42	−16 37.7	2.126	3.021	10.8	20.4
8 19	23 33.09	−17 56.9	2.065	3.016	8.0	20.2
8 29	23 27.13	−19 16.4	2.029	3.010	5.6	20.1
9 8	23 20.13	−20 29.1	2.021	3.005	5.0	20.0
9 18	23 12.87	−21 28.4	2.039	2.999	6.9	20.1
9 28	23 6.17	−22 9.3	2.083	2.994	9.6	20.3
10 8	23 0.80	−22 29.7	2.152	2.989	12.3	20.5
10 18	22 57.28	−22 29.5	2.240	2.984	14.7	20.6

207309 2005 GL_{77} 9 11.1 257°.83 5°.9/ 5.5 18

8 9	23 42.84	−19 19.8	1.873	2.765	12.2	20.0
8 19	23 37.21	−20 18.3	1.813	2.760	9.2	19.8
8 29	23 29.59	−21 13.8	1.778	2.754	6.7	19.7
9 8	23 20.73	−21 58.8	1.768	2.748	6.0	19.6
9 18	23 11.58	−22 26.9	1.785	2.743	7.9	19.7
9 28	23 3.21	−22 34.2	1.827	2.737	10.8	19.9
10 8	22 56.50	−22 19.6	1.892	2.731	13.7	20.1
10 18	22 52.06	−21 44.8	1.978	2.725	16.3	20.2

254988 2005 SY_{266} 9 11.1 299°.10 0°.7/11.7 17

8 9	23 42.36	− 2 20.3	1.988	2.853	12.8	20.5
8 19	23 36.79	− 2 15.4	1.907	2.843	9.5	20.3
8 29	23 29.35	− 2 19.6	1.849	2.833	5.7	20.1
9 8	23 20.69	− 2 30.3	1.818	2.823	1.7	19.8
9 18	23 11.63	− 2 43.9	1.814	2.813	2.8	19.8
9 28	23 3.15	− 2 56.3	1.839	2.804	6.8	20.1
10 8	22 56.11	− 3 3.8	1.890	2.794	10.6	20.3
10 18	22 51.13	− 3 3.4	1.964	2.785	13.8	20.5

483334 2016 QF_{28} 9 11.1 81°.86 5°.0/15.8 18

8 9	23 40.74	+10 40.3	1.651	2.478	16.7	20.5
8 19	23 35.82	+10 41.7	1.586	2.487	13.3	20.3
8 29	23 28.84	+10 19.8	1.541	2.495	9.6	20.1
9 8	23 20.56	+ 9 36.0	1.519	2.504	6.2	19.9
9 18	23 11.97	+ 8 34.8	1.523	2.512	5.1	19.8
9 28	23 4.16	+ 7 23.3	1.553	2.521	7.5	20.0
10 8	22 58.07	+ 6 10.2	1.609	2.529	11.1	20.2
10 18	22 54.32	+ 5 3.1	1.687	2.538	14.4	20.5

67079 2000 AL_{27} 9 11.1 252°.06 8°.2/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 41.33	+22 38.7	2.472	3.193	14.6	18.9
8 19	23 35.93	+23 31.8	2.384	3.190	12.8	18.8
8 29	23 28.83	+24 4.5	2.316	3.186	10.8	18.6
9 8	23 20.57	+24 14.6	2.270	3.182	9.1	18.5
9 18	23 11.87	+24 1.7	2.249	3.178	8.2	18.4
9 28	23 3.59	+23 28.2	2.254	3.174	8.6	18.5
10 8	22 56.51	+22 39.1	2.285	3.169	9.9	18.5
10 18	22 51.26	+21 40.9	2.340	3.165	11.8	18.7

110345 2001 SK_{295} 9 11.1 267°.29 1°.1/12.1 18

8 9	23 40.87	+ 1 12.6	1.781	2.642	14.2	20.4
8 19	23 36.04	+ 0 39.9	1.688	2.621	10.7	20.1
8 29	23 29.10	− 0 9.5	1.617	2.599	6.6	19.8
9 8	23 20.67	− 1 12.0	1.572	2.577	2.2	19.5
9 18	23 11.63	− 2 21.8	1.554	2.554	3.0	19.5
9 28	23 3.08	− 3 31.2	1.564	2.530	7.7	19.7
10 8	22 56.04	− 4 32.9	1.599	2.507	12.0	19.9
10 18	22 51.26	− 5 21.2	1.657	2.482	15.8	20.1

40833 1999 TJ_{95} 9 11.1 233°.27 2°.3/ 8.1 18

8 9	23 37.18	− 9 10.7	2.507	3.387	9.9	19.1
8 19	23 32.70	−10 16.4	2.431	3.379	7.1	18.9
8 29	23 26.83	−11 27.8	2.381	3.369	4.2	18.7
9 8	23 20.07	−12 39.4	2.359	3.360	2.3	18.6
9 18	23 13.03	−13 45.9	2.366	3.350	4.1	18.7
9 28	23 6.42	−14 42.2	2.402	3.340	7.1	18.8
10 8	23 0.88	−15 24.7	2.464	3.329	10.0	19.0
10 18	22 56.90	−15 51.6	2.549	3.319	12.5	19.2

494500 2016 WL_{50} 9 11.1 315°.74 2°.5/ 8.9 18

8 9	23 38.73	− 7 57.0	1.504	2.401	14.3	21.7
8 19	23 34.72	− 8 43.9	1.426	2.381	10.4	21.4
8 29	23 28.41	− 9 40.9	1.369	2.361	6.1	21.1
9 8	23 20.51	−10 40.9	1.337	2.341	2.6	20.9
9 18	23 12.04	−11 36.0	1.331	2.322	5.3	21.0
9 28	23 4.22	−12 18.2	1.349	2.304	9.9	21.2
10 8	22 58.17	−12 42.2	1.391	2.286	14.3	21.4
10 18	22 54.64	−12 45.6	1.452	2.268	18.1	21.6

21006 1988 DG_{2} 9 11.1 267°.81 3°.2/ 7.7 18

8 9	23 38.89	− 9 31.0	1.831	2.722	12.4	19.1
8 19	23 34.45	−10 48.3	1.756	2.708	9.0	18.9
8 29	23 28.07	−12 13.8	1.705	2.695	5.4	18.6
9 8	23 20.41	−13 39.9	1.681	2.681	3.2	18.5
9 18	23 12.31	−14 58.5	1.684	2.667	5.6	18.6
9 28	23 4.80	−16 2.0	1.714	2.653	9.4	18.8
10 8	22 58.78	−16 45.8	1.768	2.639	13.0	19.0
10 18	22 54.89	−17 7.9	1.843	2.624	16.1	19.2

257972 2001 CR_{35} 9 11.1 186°.17 7°.3/29.4 18

8 9	23 40.10	−32 53.4	3.035	3.896	8.9	21.4
8 19	23 34.74	−34 24.2	2.996	3.895	7.8	21.3
8 29	23 27.97	−35 45.1	2.983	3.894	7.3	21.3
9 8	23 20.34	−36 50.5	2.997	3.893	7.7	21.3
9 18	23 12.49	−37 36.2	3.036	3.891	8.8	21.4
9 28	23 5.14	−38 0.0	3.100	3.889	10.2	21.5
10 8	22 58.93	−38 2.3	3.184	3.886	11.6	21.6
10 18	22 54.31	−37 44.8	3.287	3.882	12.8	21.7

517452 2014 OE_{260} 9 11.1 30°.71 5°.2/ 5.3 18

8 9	23 38.94	−18 30.1	2.135	3.028	10.8	21.0
8 19	23 34.12	−19 33.6	2.083	3.031	8.1	20.9
8 29	23 27.69	−20 34.9	2.056	3.033	5.8	20.7
9 8	23 20.28	−21 27.4	2.055	3.036	5.3	20.7
9 18	23 12.68	−22 5.5	2.081	3.039	7.0	20.8
9 28	23 5.74	−22 25.5	2.134	3.042	9.5	21.0
10 8	23 0.19	−22 26.0	2.210	3.045	12.1	21.2
10 18	22 56.51	−22 7.8	2.306	3.048	14.4	21.3

100429 1996 HB_{15} 9 11.1 61°.79 3°.5/ 7.9 18

8 9	23 41.84	−12 16.4	1.763	2.655	12.8	19.0
8 19	23 36.43	−13 0.7	1.710	2.662	9.3	18.8
8 29	23 29.10	−13 47.6	1.680	2.669	5.6	18.6
9 8	23 20.63	−14 30.5	1.677	2.676	3.5	18.5
9 18	23 11.96	−15 3.2	1.701	2.683	5.6	18.6
9 28	23 4.14	−15 21.2	1.751	2.691	9.2	18.9
10 8	22 57.99	−15 22.2	1.825	2.698	12.5	19.1
10 18	22 54.07	−15 6.3	1.920	2.706	15.4	19.3

23441 1986 QW_{1} 9 11.1 29°.88 1°.0/10.1 18

8 9	23 38.03	− 5 11.1	1.811	2.695	12.9	18.1
8 19	23 33.60	− 5 45.7	1.757	2.705	9.3	17.9
8 29	23 27.43	− 6 28.9	1.726	2.716	5.3	17.7
9 8	23 20.23	− 7 15.6	1.721	2.727	1.4	17.4
9 18	23 12.85	− 8 0.1	1.743	2.739	3.5	17.6
9 28	23 6.20	− 8 36.7	1.792	2.751	7.5	17.9
10 8	23 1.06	− 9 1.4	1.865	2.764	11.1	18.1
10 18	22 57.93	− 9 12.1	1.961	2.777	14.1	18.4

263735 2008 JQ_3 9 11.1 141°.87 2°.9/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 37.83	−10 53.2	2.229	3.116	10.7	20.6
8 19	23 33.26	−11 59.0	2.168	3.118	7.7	20.4
8 29	23 27.18	−13 8.8	2.132	3.121	4.6	20.2
9 8	23 20.17	−14 16.7	2.124	3.123	3.0	20.1
9 18	23 12.94	−15 16.8	2.145	3.125	4.9	20.2
9 28	23 6.28	−16 4.0	2.193	3.127	7.9	20.4
10 8	23 0.87	−16 35.3	2.266	3.129	10.8	20.6
10 18	22 57.20	−16 49.5	2.361	3.131	13.3	20.8

429515 2011 BU_{30} 9 11.1 139°.32 2°.4/ 8.8 17

8 9	23 43.33	− 8 30.3	1.820	2.702	12.9	21.6
8 19	23 37.46	− 9 23.7	1.764	2.712	9.3	21.4
8 29	23 29.69	−10 23.3	1.732	2.721	5.4	21.2
9 8	23 20.77	−11 22.7	1.727	2.730	2.5	21.0
9 18	23 11.66	−12 15.2	1.750	2.739	4.7	21.2
9 28	23 3.35	−12 55.0	1.800	2.747	8.5	21.5
10 8	22 56.71	−13 18.8	1.875	2.754	12.0	21.7
10 18	22 52.27	−13 25.5	1.972	2.761	15.0	21.9

435748 2008 UP_{154} 9 11.1 351°.81 10°.4/ 4.4 18

8 9	23 47.48	−27 25.6	1.324	2.220	15.9	20.2
8 19	23 41.26	−28 15.3	1.277	2.215	13.0	20.0
8 29	23 32.18	−28 50.7	1.251	2.211	10.8	19.9
9 8	23 21.39	−29 1.2	1.247	2.208	10.5	19.9
9 18	23 10.38	−28 40.2	1.266	2.205	12.3	20.0
9 28	23 0.75	−27 46.2	1.308	2.204	15.2	20.1
10 8	22 53.69	−26 23.0	1.369	2.203	18.2	20.3
10 18	22 49.80	−24 36.9	1.447	2.203	21.0	20.5

111806 2002 CP_{270} 9 11.1 272°.14 0°.5/10.0 18

8 9	23 31.95	− 5 51.3	4.295	5.161	6.4	20.8
8 19	23 28.42	− 6 18.6	4.215	5.155	4.6	20.7
8 29	23 24.15	− 6 49.7	4.161	5.148	2.6	20.5
9 8	23 19.43	− 7 22.3	4.136	5.142	0.7	20.4
9 18	23 14.58	− 7 54.2	4.141	5.136	1.8	20.5
9 28	23 9.96	− 8 23.0	4.177	5.130	3.8	20.6
10 8	23 5.91	− 8 46.9	4.240	5.123	5.7	20.7
10 18	23 2.71	− 9 4.4	4.329	5.117	7.4	20.9

446119 2013 EW_8 9 11.1 64°.47 0°.4/11.5 18

8 9	23 38.78	− 1 10.5	2.009	2.876	12.6	21.5
8 19	23 34.06	− 1 40.0	1.942	2.880	9.2	21.3
8 29	23 27.69	− 2 20.9	1.900	2.884	5.5	21.0
9 8	23 20.31	− 3 9.1	1.883	2.889	1.5	20.8
9 18	23 12.68	− 3 59.6	1.894	2.893	2.7	20.9
9 28	23 5.67	− 4 46.7	1.934	2.898	6.6	21.1
10 8	23 0.03	− 5 25.5	1.999	2.902	10.2	21.4
10 18	22 56.29	− 5 52.8	2.087	2.907	13.2	21.6

109407 2001 QM_{182} 9 11.1 342°.71 4°.4/15.7 18

8 9	23 32.58	+10 40.4	1.504	2.350	17.1	17.7
8 19	23 30.17	+10 5.1	1.424	2.338	13.7	17.5
8 29	23 25.71	+ 9 0.8	1.363	2.326	9.7	17.2
9 8	23 19.88	+ 7 30.2	1.324	2.316	5.9	17.0
9 18	23 13.58	+ 5 39.6	1.311	2.306	4.5	16.9
9 28	23 7.91	+ 3 39.6	1.323	2.298	7.6	17.1
10 8	23 3.86	+ 1 42.1	1.360	2.291	11.8	17.3
10 18	23 2.09	− 0 2.6	1.419	2.285	15.7	17.5

469829 2005 SN_{232} 9 11.1 344°.31 1°.8/ 9.9 18

8 9	23 40.12	− 6 37.2	1.214	2.118	16.5	20.9
8 19	23 36.02	− 7 1.9	1.152	2.109	12.1	20.7
8 29	23 29.26	− 7 37.7	1.109	2.102	7.0	20.4
9 8	23 20.75	− 8 17.7	1.089	2.095	2.1	20.0
9 18	23 11.73	− 8 54.0	1.093	2.090	5.0	20.2
9 28	23 3.68	− 9 18.9	1.121	2.085	10.3	20.5
10 8	22 57.82	− 9 27.2	1.171	2.081	15.1	20.8
10 18	22 54.90	− 9 16.8	1.239	2.079	19.2	21.0

512019 2015 LD_{33} 9 11.1 8°.95 6°.2/ 5.1 18

8 9	23 39.31	−17 41.5	1.642	2.545	13.0	20.6
8 19	23 34.82	−19 1.0	1.592	2.545	9.7	20.4
8 29	23 28.28	−20 19.1	1.566	2.546	6.9	20.2
9 8	23 20.48	−21 26.6	1.565	2.548	6.3	20.2
9 18	23 12.42	−22 16.0	1.589	2.550	8.4	20.3
9 28	23 5.20	−22 41.8	1.638	2.552	11.5	20.5
10 8	22 59.74	−22 42.8	1.708	2.555	14.6	20.7
10 18	22 56.60	−22 20.4	1.798	2.558	17.3	20.9

400728 2009 SZ_{205} 9 11.1 344°.31 0°.5/10.7 16

8 9	23 37.01	− 3 58.3	1.772	2.655	13.2	20.8
8 19	23 33.06	− 4 24.7	1.699	2.647	9.6	20.6
8 29	23 27.26	− 5 1.5	1.649	2.638	5.6	20.3
9 8	23 20.25	− 5 44.3	1.625	2.631	1.3	20.0
9 18	23 12.88	− 6 27.4	1.627	2.624	3.3	20.2
9 28	23 6.13	− 7 4.8	1.655	2.619	7.6	20.4
10 8	23 0.87	− 7 31.6	1.708	2.613	11.5	20.7
10 18	22 57.68	− 7 44.8	1.783	2.609	14.8	20.9

97307 1999 XL_{192} 9 11.1 14°.25 9°.2/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.22	−29 44.4	1.872	2.756	12.6	18.0
8 19	23 36.77	−30 53.9	1.834	2.758	10.5	17.9
8 29	23 29.32	−31 50.6	1.819	2.761	9.3	17.8
9 8	23 20.71	−32 26.6	1.829	2.765	9.5	17.8
9 18	23 11.97	−32 36.8	1.863	2.769	10.9	17.9
9 28	23 4.18	−32 19.1	1.919	2.774	13.0	18.1
10 8	22 58.20	−31 35.4	1.996	2.779	15.2	18.3
10 18	22 54.55	−30 29.6	2.091	2.784	17.1	18.4

63702 2001 QK_{182} 9 11.1 337°.08 4°.1/ 7.6 18

8 9	23 37.27	− 9 32.8	1.290	2.199	15.3	17.7
8 19	23 33.83	−10 51.8	1.229	2.190	11.1	17.4
8 29	23 27.95	−12 21.2	1.189	2.182	6.6	17.2
9 8	23 20.45	−13 50.6	1.173	2.174	4.1	17.0
9 18	23 12.47	−15 9.1	1.181	2.167	7.0	17.2
9 28	23 5.36	−16 7.0	1.213	2.160	11.6	17.4
10 8	23 0.26	−16 39.0	1.266	2.155	15.9	17.6
10 18	22 57.87	−16 44.1	1.337	2.150	19.6	17.9

42095 2001 AY_{25} 9 11.1 347°.53 5°.0/ 7.1 18

8 9	23 36.38	−11 54.6	1.204	2.120	15.6	17.8
8 19	23 33.30	−13 3.7	1.146	2.110	11.4	17.5
8 29	23 27.68	−14 19.6	1.109	2.101	7.1	17.3
9 8	23 20.38	−15 31.9	1.094	2.093	5.0	17.1
9 18	23 12.62	−16 30.0	1.104	2.087	7.8	17.3
9 28	23 5.81	−17 5.4	1.135	2.082	12.3	17.5
10 8	23 1.10	−17 14.0	1.187	2.078	16.6	17.7
10 18	22 59.21	−16 56.1	1.257	2.076	20.2	18.0

16447 Vauban 9 11.1 347°.49 5°.5/15.8 18

8 9	23 35.36	+ 9 48.5	1.353	2.206	18.3	16.3
8 19	23 32.40	+ 9 57.1	1.280	2.196	14.7	16.1
8 29	23 27.12	+ 9 39.3	1.225	2.188	10.7	15.8
9 8	23 20.26	+ 8 55.7	1.192	2.180	6.9	15.6
9 18	23 12.86	+ 7 50.7	1.182	2.174	5.6	15.5
9 28	23 6.20	+ 6 32.7	1.196	2.169	8.5	15.7
10 8	23 1.38	+ 5 12.4	1.233	2.165	12.6	15.9
10 18	22 59.17	+ 3 59.4	1.291	2.163	16.6	16.1

12092 1998 HH_{97} 9 11.1 301°.21 3°.8/14.7 18

8 9	23 37.61	+ 8 4.5	1.622	2.467	16.1	17.9
8 19	23 33.79	+ 7 45.9	1.536	2.452	12.7	17.6
8 29	23 27.85	+ 7 3.8	1.469	2.436	8.8	17.4
9 8	23 20.43	+ 6 0.2	1.427	2.421	5.0	17.1
9 18	23 12.46	+ 4 40.0	1.410	2.406	4.2	17.0
9 28	23 5.05	+ 3 11.6	1.419	2.391	7.6	17.2
10 8	22 59.25	+ 1 44.7	1.453	2.376	11.8	17.4
10 18	22 55.78	+ 0 27.5	1.509	2.362	15.7	17.6

326630 2002 RZ_{249} 9 11.1 25°.24 2°.9/13.6 17

8 9	23 37.69	+ 5 35.6	1.202	2.076	18.7	20.9
8 19	23 34.13	+ 5 4.1	1.146	2.082	14.4	20.7
8 29	23 28.08	+ 4 6.0	1.109	2.088	9.4	20.4
9 8	23 20.47	+ 2 46.6	1.094	2.095	4.4	20.2
9 18	23 12.50	+ 1 14.5	1.103	2.103	3.9	20.2
9 28	23 5.52	− 0 18.5	1.137	2.111	8.6	20.5
10 8	23 0.66	− 1 41.3	1.193	2.121	13.4	20.8
10 18	22 58.56	− 2 46.4	1.269	2.130	17.5	21.1

451126 2009 KU_{13} 9 11.1 89°.06 15°.0/27.3 17

8 9	23 38.90	+32 18.3	1.161	1.894	27.3	21.0
8 19	23 35.63	+32 46.3	1.094	1.896	24.7	20.8
8 29	23 29.28	+32 23.0	1.038	1.899	21.7	20.6
9 8	23 20.81	+31 0.7	0.996	1.901	18.5	20.4
9 18	23 11.68	+28 38.4	0.972	1.903	16.0	20.3
9 28	23 3.67	+25 25.1	0.969	1.906	15.0	20.3
10 8	22 58.23	+21 41.1	0.987	1.908	16.3	20.4
10 18	22 56.23	+17 50.2	1.028	1.910	19.0	20.5

480571 2015 MD_{71} 9 11.1 99°.19 0°.6/11.9 16

8 9	23 38.50	+ 1 13.6	1.910	2.771	13.3	21.4
8 19	23 33.92	+ 0 20.2	1.848	2.782	9.9	21.2
8 29	23 27.65	− 0 48.1	1.809	2.792	5.9	21.0
9 8	23 20.35	− 2 6.1	1.797	2.802	1.8	20.7
9 18	23 12.83	− 3 27.1	1.812	2.812	2.7	20.8
9 28	23 5.98	− 4 44.0	1.856	2.821	6.8	21.1
10 8	23 0.57	− 5 50.4	1.926	2.831	10.4	21.3
10 18	22 57.11	− 6 42.2	2.019	2.840	13.5	21.6

116829 2004 FV_{25} 9 11.1 106°.98 1°.2/12.3 17

8 9	23 42.36	+ 2 15.8	1.734	2.591	14.7	20.5
8 19	23 36.79	+ 1 33.6	1.679	2.609	10.9	20.3
8 29	23 29.32	+ 0 35.3	1.648	2.628	6.7	20.1
9 8	23 20.75	− 0 34.2	1.642	2.646	2.4	19.9
9 18	23 12.02	− 1 48.1	1.664	2.663	2.9	19.9
9 28	23 4.14	− 2 58.9	1.714	2.680	7.1	20.2
10 8	22 57.94	− 3 59.9	1.790	2.697	10.9	20.5
10 18	22 53.95	− 4 47.0	1.888	2.713	14.2	20.8

117176 2004 RN_{59} 9 11.1 9°.89 2°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 36.89	− 7 32.6	1.824	2.715	12.5	19.1
8 19	23 32.87	− 8 29.6	1.764	2.716	9.0	18.9
8 29	23 27.09	− 9 34.5	1.727	2.718	5.1	18.7
9 8	23 20.23	−10 40.7	1.717	2.721	2.2	18.5
9 18	23 13.11	−11 41.4	1.733	2.723	4.5	18.7
9 28	23 6.67	−12 30.5	1.776	2.726	8.3	18.9
10 8	23 1.68	−13 3.6	1.843	2.730	11.8	19.1
10 18	22 58.68	−13 19.0	1.932	2.734	14.8	19.3

36866 2000 SG_{147} 9 11.1 274°.03 0°.7/11.7 18

8 9	23 40.31	− 0 15.7	1.680	2.551	14.4	19.6
8 19	23 35.56	− 0 45.5	1.609	2.547	10.7	19.3
8 29	23 28.77	− 1 30.2	1.559	2.544	6.5	19.1
9 8	23 20.66	− 2 25.1	1.535	2.540	1.9	18.8
9 18	23 12.16	− 3 24.3	1.537	2.537	3.1	18.9
9 28	23 4.36	− 4 20.4	1.567	2.533	7.6	19.1
10 8	22 58.19	− 5 7.1	1.621	2.530	11.8	19.4
10 18	22 54.30	− 5 40.0	1.697	2.526	15.3	19.6

24112 1999 VO_{23} 9 11.1 340°.49 7°.0/18.3 18

8 9	23 32.49	+16 8.3	1.364	2.190	19.6	17.5
8 19	23 30.36	+15 49.5	1.284	2.177	16.4	17.2
8 29	23 25.97	+14 54.9	1.220	2.165	12.6	17.0
9 8	23 20.02	+13 24.5	1.178	2.154	8.9	16.7
9 18	23 13.53	+11 23.2	1.158	2.145	7.0	16.6
9 28	23 7.72	+ 9 2.2	1.163	2.136	8.8	16.7
10 8	23 3.71	+ 6 36.3	1.192	2.128	12.6	16.9
10 18	23 2.25	+ 4 19.6	1.243	2.122	16.6	17.1

346932 2010 AH_{36} 9 11.1 67°.82 4°.5/15.1 17

8 9	23 41.70	+ 8 33.3	1.639	2.475	16.4	20.3
8 19	23 36.54	+ 8 42.0	1.577	2.485	12.9	20.1
8 29	23 29.31	+ 8 29.5	1.535	2.496	9.1	19.9
9 8	23 20.79	+ 7 57.6	1.517	2.506	5.6	19.8
9 18	23 11.97	+ 7 10.3	1.525	2.517	4.7	19.7
9 28	23 3.97	+ 6 14.2	1.559	2.528	7.4	19.9
10 8	22 57.72	+ 5 17.2	1.619	2.538	11.0	20.2
10 18	22 53.82	+ 4 25.9	1.701	2.549	14.4	20.4

275324 2010 UH_{99} 9 11.1 258°.99 2°.3/16.0 18

8 9	23 31.96	+ 9 55.3	4.708	5.500	7.1	20.7
8 19	23 28.43	+ 9 50.7	4.611	5.491	5.7	20.6
8 29	23 24.20	+ 9 37.7	4.538	5.481	4.2	20.5
9 8	23 19.52	+ 9 17.1	4.493	5.471	2.8	20.3
9 18	23 14.70	+ 8 50.2	4.477	5.462	2.3	20.3
9 28	23 10.08	+ 8 19.0	4.491	5.452	3.3	20.4
10 8	23 5.97	+ 7 45.7	4.533	5.442	4.8	20.5
10 18	23 2.64	+ 7 12.7	4.603	5.432	6.3	20.6

181903 1999 RE_{237} 9 11.1 290°.49 3°.7/ 7.7 18

8 9	23 38.67	− 7 54.5	1.388	2.289	15.0	19.5
8 19	23 34.84	− 9 28.6	1.316	2.274	10.8	19.3
8 29	23 28.59	−11 16.6	1.268	2.260	6.4	19.0
9 8	23 20.67	−13 8.1	1.244	2.245	3.7	18.8
9 18	23 12.17	−14 51.4	1.245	2.231	6.7	18.9
9 28	23 4.41	−16 15.3	1.272	2.217	11.4	19.2
10 8	22 58.54	−17 12.8	1.320	2.203	15.8	19.4
10 18	22 55.36	−17 41.7	1.387	2.189	19.5	19.6

136876 1998 FM_{93} 9 11.1 196°.61 4°.0/ 6.3 18

8 9	23 38.88	−14 23.4	2.217	3.106	10.6	20.0
8 19	23 34.10	−15 34.0	2.155	3.105	7.8	19.8
8 29	23 27.74	−16 46.2	2.120	3.104	5.1	19.6
9 8	23 20.41	−17 53.6	2.111	3.102	4.1	19.6
9 18	23 12.83	−18 50.0	2.131	3.100	5.9	19.7
9 28	23 5.82	−19 30.8	2.178	3.099	8.7	19.8
10 8	23 0.10	−19 53.4	2.249	3.097	11.5	20.0
10 18	22 56.18	−19 57.4	2.342	3.094	13.9	20.2

97873 2000 QN_{36} 9 11.2 7°.54 2°.2/12.4 18

8 9	23 40.69	+ 0 12.1	0.974	1.873	20.0	18.0
8 19	23 36.82	+ 0 27.0	0.922	1.873	15.1	17.7
8 29	23 29.91	+ 0 21.9	0.887	1.875	9.4	17.4
9 8	23 21.01	+ 0 0.3	0.873	1.877	3.6	17.1
9 18	23 11.63	− 0 31.0	0.881	1.881	4.2	17.2
9 28	23 3.49	− 1 3.2	0.911	1.886	10.0	17.5
10 8	22 57.96	− 1 27.9	0.961	1.893	15.3	17.8
10 18	22 55.76	− 1 39.4	1.029	1.901	19.9	18.2

273525 2007 BR_{21} 9 11.2 217°.52 0°.3/10.9 18

8 9	23 43.10	− 3 6.0	1.884	2.752	13.2	22.1
8 19	23 37.47	− 3 37.8	1.806	2.745	9.7	21.9
8 29	23 29.87	− 4 20.7	1.751	2.737	5.7	21.7
9 8	23 20.97	− 5 10.3	1.723	2.729	1.3	21.3
9 18	23 11.67	− 6 0.7	1.723	2.721	3.2	21.5
9 28	23 2.98	− 6 45.9	1.751	2.712	7.5	21.7
10 8	22 55.83	− 7 20.7	1.805	2.702	11.5	21.9
10 18	22 50.86	− 7 42.1	1.882	2.692	14.8	22.1

506892 2008 BQ_5 9 11.2 142°.28 3°.5/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.34	+ 5 18.1	1.557	2.405	16.5	21.7
8 19	23 38.64	+ 5 23.7	1.489	2.409	12.8	21.4
8 29	23 30.64	+ 5 10.0	1.443	2.413	8.6	21.2
9 8	23 21.16	+ 4 39.2	1.420	2.417	4.6	21.0
9 18	23 11.29	+ 3 55.8	1.424	2.421	4.0	21.0
9 28	23 2.26	+ 3 6.6	1.455	2.424	7.8	21.2
10 8	22 55.12	+ 2 18.9	1.510	2.427	11.9	21.4
10 18	22 50.55	+ 1 39.1	1.587	2.430	15.6	21.7

210322 2007 TR_{239} 9 11.2 0°.97 3°.4/ 8.1 18

8 9	23 41.93	−11 59.2	1.753	2.645	12.9	20.5
8 19	23 36.63	−12 39.7	1.693	2.644	9.3	20.3
8 29	23 29.34	−13 23.3	1.656	2.644	5.7	20.1
9 8	23 20.83	−14 3.6	1.645	2.644	3.4	19.9
9 18	23 12.04	−14 34.4	1.660	2.644	5.6	20.1
9 28	23 4.04	−14 50.9	1.702	2.645	9.2	20.3
10 8	22 57.71	−14 50.7	1.768	2.645	12.7	20.5
10 18	22 53.64	−14 33.4	1.855	2.646	15.7	20.7

395514 2011 UM_{126} 9 11.2 41°.14 2°.9/ 8.4 18

8 9	23 41.32	−10 55.3	1.884	2.772	12.3	21.1
8 19	23 36.07	−11 36.2	1.823	2.773	8.9	20.9
8 29	23 28.97	−12 20.9	1.785	2.774	5.3	20.7
9 8	23 20.73	−13 3.6	1.774	2.775	2.9	20.6
9 18	23 12.24	−13 38.5	1.790	2.776	5.0	20.7
9 28	23 4.48	−14 0.7	1.833	2.777	8.6	20.9
10 8	22 58.26	−14 7.5	1.901	2.778	11.9	21.1
10 18	22 54.14	−13 58.3	1.990	2.779	14.9	21.3

4053 Cherkasov 9 11.2 4°.80 1°.1/11.9 18

8 9	23 43.09	− 1 10.7	1.273	2.157	17.2	16.5
8 19	23 38.08	− 1 11.1	1.212	2.157	12.9	16.2
8 29	23 30.46	− 1 27.0	1.171	2.157	7.8	16.0
9 8	23 21.15	− 1 54.2	1.152	2.158	2.4	15.6
9 18	23 11.39	− 2 26.7	1.159	2.159	3.6	15.7
9 28	23 2.63	− 2 57.2	1.190	2.160	9.0	16.1
10 8	22 56.06	− 3 19.2	1.244	2.162	13.8	16.3
10 18	22 52.39	− 3 28.5	1.318	2.165	17.9	16.6

390528 1997 SV_{11} 9 11.2 337°.36 1°.0/12.9 16

8 9	23 32.90	+ 1 37.3	3.694	4.535	7.9	20.9
8 19	23 29.27	+ 1 24.9	3.609	4.530	5.9	20.7
8 29	23 24.75	+ 1 5.1	3.549	4.524	3.8	20.6
9 8	23 19.70	+ 0 39.8	3.517	4.518	1.6	20.4
9 18	23 14.48	+ 0 11.1	3.515	4.513	1.6	20.4
9 28	23 9.54	− 0 18.5	3.542	4.508	3.8	20.6
10 8	23 5.26	− 0 46.2	3.597	4.503	6.0	20.7
10 18	23 1.96	− 1 9.7	3.679	4.498	8.0	20.9

283855 2003 UD_{277} 9 11.2 311°.97 3°.2/13.7 18

8 9	23 38.52	+ 4 45.4	1.538	2.398	16.0	20.2
8 19	23 34.77	+ 4 42.5	1.438	2.366	12.6	19.9
8 29	23 28.65	+ 4 19.3	1.359	2.334	8.5	19.6
9 8	23 20.76	+ 3 37.1	1.303	2.302	4.3	19.3
9 18	23 12.04	+ 2 40.1	1.273	2.271	3.9	19.2
9 28	23 3.74	+ 1 35.4	1.267	2.240	8.2	19.3
10 8	22 57.07	+ 0 32.0	1.286	2.209	13.0	19.5
10 18	22 52.94	− 0 22.1	1.325	2.179	17.4	19.7

446575 2014 OQ_{133} 9 11.2 328°.51 2°.0/ 8.9 18

8 9	23 38.41	− 8 30.6	2.154	3.037	11.2	21.4
8 19	23 33.79	− 9 15.4	2.087	3.035	8.0	21.2
8 29	23 27.59	−10 5.9	2.044	3.034	4.6	21.0
9 8	23 20.42	−10 56.9	2.029	3.032	2.1	20.8
9 18	23 12.99	−11 43.1	2.042	3.031	4.0	20.9
9 28	23 6.13	−12 19.6	2.082	3.030	7.4	21.1
10 8	23 0.56	−12 43.0	2.148	3.029	10.6	21.3
10 18	22 56.77	−12 51.7	2.236	3.027	13.4	21.5

190446 2000 AL_8 9 11.2 319°.08 0°.1/11.4 16

8 9	23 33.34	− 2 54.4	3.940	4.796	7.2	19.3
8 19	23 29.54	− 3 8.7	3.857	4.790	5.2	19.2
8 29	23 24.90	− 3 27.9	3.799	4.783	3.1	19.0
9 8	23 19.76	− 3 50.2	3.771	4.777	0.8	18.8
9 18	23 14.47	− 4 13.4	3.772	4.770	1.6	18.9
9 28	23 9.44	− 4 35.2	3.803	4.764	3.8	19.0
10 8	23 5.04	− 4 53.5	3.862	4.758	5.9	19.2
10 18	23 1.57	− 5 6.5	3.947	4.752	7.8	19.3

342650 2008 VQ_1 9 11.2 10°.62 4°.2/ 8.3 18

8 9	23 44.74	−13 40.1	1.437	2.335	14.8	19.3
8 19	23 39.01	−14 5.9	1.382	2.336	10.8	19.0
8 29	23 30.86	−14 32.8	1.349	2.337	6.7	18.8
9 8	23 21.24	−14 53.5	1.340	2.339	4.2	18.7
9 18	23 11.36	−15 1.9	1.357	2.342	6.5	18.8
9 28	23 2.51	−14 53.6	1.400	2.345	10.5	19.0
10 8	22 55.77	−14 27.2	1.465	2.349	14.4	19.3
10 18	22 51.75	−13 44.1	1.549	2.353	17.8	19.5

480341 2015 KX_7 9 11.2 354°.38 7°.9/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.28	−22 9.6	1.487	2.386	14.3	20.4
8 19	23 38.71	−23 12.8	1.438	2.384	11.1	20.2
8 29	23 30.70	−24 9.2	1.411	2.383	8.6	20.0
9 8	23 21.21	−24 49.0	1.408	2.382	8.1	20.0
9 18	23 11.45	−25 4.9	1.430	2.381	10.0	20.1
9 28	23 2.76	−24 53.4	1.475	2.381	13.1	20.3
10 8	22 56.20	−24 15.3	1.541	2.381	16.2	20.5
10 18	22 52.38	−23 14.1	1.625	2.381	19.0	20.7

291325 de Tyard 9 11.2 129°.99 1°.2/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.85	− 4 39.2	1.943	2.818	12.6	21.5
8 19	23 35.63	− 5 35.0	1.884	2.828	9.1	21.3
8 29	23 28.69	− 6 40.3	1.850	2.838	5.2	21.1
9 8	23 20.70	− 7 49.3	1.842	2.848	1.4	20.9
9 18	23 12.51	− 8 55.3	1.862	2.857	3.6	21.1
9 28	23 5.02	− 9 52.3	1.911	2.866	7.5	21.3
10 8	22 59.00	−10 35.5	1.985	2.874	11.0	21.6
10 18	22 54.98	−11 2.9	2.082	2.882	13.9	21.8

129992 1999 VQ_{16} 9 11.2 45°.14 0°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.95	− 3 36.6	1.597	2.477	14.6	19.7
8 19	23 36.76	− 3 57.0	1.538	2.483	10.6	19.5
8 29	23 29.47	− 4 28.4	1.501	2.489	6.2	19.2
9 8	23 20.91	− 5 5.9	1.489	2.495	1.4	18.9
9 18	23 12.07	− 5 43.7	1.504	2.502	3.4	19.1
9 28	23 4.08	− 6 15.5	1.545	2.509	8.0	19.4
10 8	22 57.88	− 6 36.8	1.611	2.516	12.1	19.7
10 18	22 54.05	− 6 44.7	1.698	2.523	15.5	19.9

156681 2002 JR_{141} 9 11.2 348°.17 3°.1/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.17	+ 7 50.6	2.241	3.069	12.8	20.3
8 19	23 32.88	+ 7 33.1	2.162	3.068	10.0	20.2
8 29	23 27.08	+ 6 59.0	2.106	3.068	7.0	20.0
9 8	23 20.32	+ 6 10.4	2.076	3.068	4.0	19.8
9 18	23 13.28	+ 5 11.1	2.073	3.068	3.3	19.7
9 28	23 6.74	+ 4 6.5	2.099	3.067	5.8	19.9
10 8	23 1.39	+ 3 2.6	2.151	3.067	8.9	20.1
10 18	22 57.74	+ 2 4.8	2.228	3.067	11.8	20.3

452263 2015 TY_{135} 9 11.2 306°.04 7°.1/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.32	−25 33.9	2.273	3.159	10.5	20.6
8 19	23 34.50	−26 51.6	2.223	3.155	8.5	20.5
8 29	23 28.02	−28 2.4	2.198	3.152	7.2	20.4
9 8	23 20.54	−28 59.2	2.199	3.148	7.3	20.4
9 18	23 12.83	−29 36.6	2.225	3.145	8.8	20.5
9 28	23 5.76	−29 51.5	2.277	3.141	10.9	20.7
10 8	23 0.05	−29 43.5	2.351	3.138	13.0	20.8
10 18	22 56.23	−29 14.5	2.443	3.135	14.9	21.0

339196 2004 TR_{209} 9 11.2 286°.50 1°.6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.63	+ 3 13.7	1.701	2.561	14.8	21.2
8 19	23 34.56	+ 2 34.3	1.608	2.539	11.3	21.0
8 29	23 28.38	+ 1 34.7	1.536	2.516	7.2	20.7
9 8	23 20.71	+ 0 18.6	1.490	2.493	2.8	20.3
9 18	23 12.42	− 1 7.6	1.470	2.470	3.1	20.3
9 28	23 4.61	− 2 35.3	1.478	2.447	7.7	20.5
10 8	22 58.32	− 3 55.7	1.510	2.423	12.1	20.7
10 18	22 54.31	− 5 1.7	1.564	2.400	16.1	20.9

296664 2009 SQ_{155} 9 11.2 273°.43 0°.3/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 32.29	− 4 33.7	4.532	5.391	6.2	21.1
8 19	23 28.71	− 4 55.7	4.441	5.377	4.5	21.0
8 29	23 24.41	− 5 21.6	4.377	5.362	2.6	20.8
9 8	23 19.66	− 5 49.6	4.342	5.348	0.6	20.6
9 18	23 14.76	− 6 17.7	4.337	5.333	1.5	20.7
9 28	23 10.07	− 6 43.8	4.362	5.319	3.5	20.9
10 8	23 5.90	− 7 5.9	4.416	5.304	5.4	21.0
10 18	23 2.54	− 7 22.5	4.495	5.289	7.1	21.1

266140 2006 TP_{89} 9 11.2 256°.03 2°.3/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.69	− 8 21.2	1.571	2.458	14.4	21.1
8 19	23 39.00	− 8 53.2	1.499	2.448	10.5	20.9
8 29	23 30.96	− 9 32.8	1.448	2.438	6.1	20.6
9 8	23 21.33	−10 13.6	1.424	2.428	2.4	20.4
9 18	23 11.22	−10 49.0	1.425	2.418	4.9	20.5
9 28	23 1.89	−11 12.6	1.454	2.407	9.4	20.7
10 8	22 54.43	−11 20.4	1.505	2.396	13.7	21.0
10 18	22 49.57	−11 11.2	1.578	2.386	17.3	21.2

515192 2011 UZ_{223} 9 11.2 259°.62 3°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.44	−11 9.7	1.940	2.827	12.0	21.6
8 19	23 36.17	−11 50.6	1.875	2.825	8.7	21.4
8 29	23 29.08	−12 35.1	1.834	2.823	5.2	21.2
9 8	23 20.85	−13 17.5	1.820	2.820	3.0	21.1
9 18	23 12.34	−13 52.1	1.833	2.818	5.0	21.2
9 28	23 4.51	−14 14.1	1.873	2.816	8.5	21.4
10 8	22 58.19	−14 20.9	1.938	2.814	11.8	21.6
10 18	22 53.92	−14 11.8	2.025	2.812	14.7	21.8

521940 2015 VA_{32} 9 11.2 254°.21 4°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 37.39	+12 52.6	2.691	3.480	11.9	21.6
8 19	23 32.95	+12 46.4	2.591	3.465	9.8	21.4
8 29	23 27.13	+12 23.4	2.513	3.449	7.3	21.2
9 8	23 20.38	+11 44.3	2.460	3.434	5.1	21.1
9 18	23 13.29	+10 51.3	2.436	3.417	4.3	21.0
9 28	23 6.54	+ 9 48.6	2.440	3.401	5.6	21.0
10 8	23 0.76	+ 8 41.2	2.472	3.384	8.1	21.2
10 18	22 56.46	+ 7 34.8	2.529	3.367	10.6	21.3

70319 1999 RP_{146} 9 11.2 275°.85 3°.2/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.03	+ 4 55.2	1.471	2.329	16.8	18.9
8 19	23 37.25	+ 4 52.6	1.392	2.318	13.1	18.6
8 29	23 30.04	+ 4 29.2	1.334	2.308	8.7	18.3
9 8	23 21.15	+ 3 47.4	1.298	2.297	4.4	18.1
9 18	23 11.65	+ 2 51.9	1.289	2.286	4.0	18.0
9 28	23 2.84	+ 1 50.6	1.304	2.276	8.2	18.2
10 8	22 55.91	+ 0 52.1	1.344	2.265	12.8	18.5
10 18	22 51.64	+ 0 3.6	1.405	2.254	16.8	18.7

9945 Karinaxavier 9 11.2 56°.73 4°.5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.95	−10 9.9	1.111	2.020	17.2	16.3
8 19	23 38.00	−11 28.1	1.075	2.036	12.4	16.0
8 29	23 30.36	−12 53.1	1.060	2.052	7.4	15.8
9 8	23 21.16	−14 13.1	1.067	2.068	4.5	15.7
9 18	23 11.83	−15 17.2	1.099	2.085	7.4	15.9
9 28	23 3.85	−15 57.4	1.154	2.102	12.0	16.2
10 8	22 58.32	−16 11.1	1.229	2.119	16.2	16.6
10 18	22 55.79	−15 59.4	1.323	2.136	19.7	16.8

71058 1999 XL_{96} 9 11.2 265°.29 7°.1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.11	−22 15.9	1.898	2.788	12.1	19.2
8 19	23 37.62	−23 29.1	1.833	2.774	9.5	19.1
8 29	23 30.04	−24 37.8	1.793	2.760	7.5	18.9
9 8	23 21.12	−25 33.5	1.778	2.746	7.3	18.9
9 18	23 11.80	−26 9.3	1.790	2.732	9.1	19.0
9 28	23 3.20	−26 20.7	1.826	2.717	11.8	19.1
10 8	22 56.26	−26 7.1	1.884	2.702	14.6	19.3
10 18	22 51.62	−25 30.4	1.962	2.687	17.1	19.4

217719 1999 VC_{101} 9 11.2 228°.65 2°.2/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.64	+ 5 9.9	2.351	3.187	12.0	20.5
8 19	23 33.19	+ 4 49.5	2.270	3.185	9.2	20.3
8 29	23 27.27	+ 4 14.9	2.213	3.182	6.1	20.1
9 8	23 20.42	+ 3 28.5	2.182	3.179	3.1	19.9
9 18	23 13.29	+ 2 34.1	2.179	3.176	2.7	19.9
9 28	23 6.63	+ 1 36.6	2.205	3.173	5.6	20.1
10 8	23 1.10	+ 0 41.5	2.258	3.170	8.7	20.3
10 18	22 57.20	− 0 6.7	2.335	3.167	11.6	20.5

37907 1998 FD_{76} 9 11.2 338°.60 3°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 33.87	+ 9 13.4	1.344	2.202	18.1	17.6
8 19	23 31.38	+ 8 30.6	1.267	2.191	14.3	17.3
8 29	23 26.62	+ 7 17.1	1.210	2.181	9.9	17.0
9 8	23 20.32	+ 5 36.0	1.175	2.171	5.4	16.8
9 18	23 13.49	+ 3 35.6	1.165	2.163	4.2	16.7
9 28	23 7.37	+ 1 28.0	1.179	2.155	8.2	16.9
10 8	23 3.05	− 0 33.1	1.217	2.148	12.9	17.1
10 18	23 1.27	− 2 17.2	1.277	2.143	17.1	17.4

10872 Vaculík 9 11.2 64°.44 1°.2/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.44	+ 1 28.5	1.572	2.440	15.4	18.9
8 19	23 35.71	+ 0 57.5	1.512	2.448	11.5	18.6
8 29	23 28.91	+ 0 9.7	1.474	2.457	7.1	18.4
9 8	23 20.84	− 0 50.3	1.461	2.465	2.5	18.2
9 18	23 12.49	− 1 55.5	1.474	2.474	3.0	18.2
9 28	23 4.97	− 2 58.4	1.514	2.483	7.6	18.5
10 8	22 59.20	− 3 51.8	1.578	2.492	11.7	18.8
10 18	22 55.77	− 4 31.3	1.665	2.501	15.3	19.0

349366 2007 VB_{227} 9 11.2 344°.21 12°.7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 31.66	−22 50.8	0.781	1.724	18.5	18.7
8 19	23 31.01	−24 47.1	0.735	1.703	15.0	18.4
8 29	23 26.92	−26 36.7	0.705	1.685	12.9	18.2
9 8	23 20.45	−28 0.2	0.693	1.669	13.4	18.2
9 18	23 13.25	−28 41.1	0.698	1.655	16.4	18.3
9 28	23 7.35	−28 30.6	0.719	1.644	20.4	18.5
10 8	23 4.34	−27 30.3	0.755	1.636	24.5	18.7
10 18	23 5.02	−25 47.5	0.802	1.630	28.0	18.9

239877 2000 NH_4 9 11.2 28°.57 1°.0/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.86	+ 0 23.0	0.927	1.831	20.3	20.1
8 19	23 35.40	− 0 6.3	0.888	1.843	15.0	19.8
8 29	23 29.02	− 0 58.8	0.866	1.856	9.0	19.5
9 8	23 20.88	− 2 6.6	0.865	1.870	2.7	19.2
9 18	23 12.50	− 3 18.8	0.885	1.886	4.1	19.4
9 28	23 5.48	− 4 23.6	0.928	1.903	10.0	19.8
10 8	23 1.04	− 5 11.8	0.991	1.920	15.3	20.1
10 18	22 59.75	− 5 38.9	1.073	1.939	19.6	20.5

29404 Hikarusato 9 11.2 339°.31 0°.1/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.40	− 2 47.5	1.798	2.674	13.4	18.2
8 19	23 34.83	− 3 12.1	1.727	2.670	9.8	18.0
8 29	23 28.38	− 3 47.9	1.679	2.666	5.8	17.7
9 8	23 20.72	− 4 30.5	1.657	2.663	1.4	17.4
9 18	23 12.72	− 5 14.6	1.661	2.660	3.1	17.5
9 28	23 5.36	− 5 54.1	1.693	2.657	7.4	17.8
10 8	22 59.52	− 6 24.0	1.749	2.654	11.3	18.0
10 18	22 55.79	− 6 41.2	1.828	2.652	14.6	18.2

255012 2005 TT_{36} 9 11.2 342°.46 3°.4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.60	−12 32.7	1.927	2.817	11.9	20.4
8 19	23 35.58	−13 14.0	1.864	2.815	8.7	20.2
8 29	23 28.75	−13 57.8	1.825	2.812	5.3	20.0
9 8	23 20.80	−14 38.2	1.812	2.810	3.4	19.9
9 18	23 12.58	−15 9.4	1.826	2.808	5.4	20.0
9 28	23 5.05	−15 27.0	1.867	2.807	8.7	20.2
10 8	22 59.01	−15 28.6	1.933	2.805	12.0	20.4
10 18	22 55.03	−15 13.8	2.020	2.804	14.8	20.6

230362 2002 EP_{84} 9 11.2 46°.84 1°.5/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.78	− 6 1.8	1.557	2.444	14.5	19.9
8 19	23 36.70	− 6 36.4	1.500	2.450	10.5	19.7
8 29	23 29.50	− 7 20.4	1.466	2.456	6.0	19.5
9 8	23 20.99	− 8 7.5	1.457	2.463	1.8	19.2
9 18	23 12.23	− 8 51.2	1.474	2.469	4.2	19.4
9 28	23 4.33	− 9 25.0	1.517	2.476	8.6	19.7
10 8	22 58.26	− 9 44.7	1.584	2.483	12.6	19.9
10 18	22 54.60	− 9 48.2	1.672	2.490	16.0	20.2

421637 2014 OU_{302} 9 11.2 279°.93 2°.9/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.03	+ 5 20.8	2.250	3.084	12.6	21.6
8 19	23 35.03	+ 5 27.7	2.165	3.077	9.8	21.4
8 29	23 28.41	+ 5 21.0	2.104	3.070	6.6	21.2
9 8	23 20.74	+ 5 2.1	2.069	3.063	3.7	21.0
9 18	23 12.71	+ 4 33.6	2.061	3.056	3.2	20.9
9 28	23 5.15	+ 3 59.9	2.082	3.049	6.0	21.1
10 8	22 58.81	+ 3 25.6	2.130	3.043	9.2	21.3
10 18	22 54.25	+ 2 55.3	2.202	3.036	12.1	21.5

410938 2009 SN_{277} 9 11.2 343°.58 5°.0/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.78	−19 13.8	2.088	2.973	11.4	20.4
8 19	23 37.76	−19 42.8	2.027	2.971	8.5	20.2
8 29	23 29.96	−20 8.0	1.991	2.968	6.0	20.0
9 8	23 21.10	−20 23.8	1.981	2.966	5.1	20.0
9 18	23 12.02	−20 25.7	1.999	2.964	6.7	20.1
9 28	23 3.69	−20 11.0	2.044	2.962	9.4	20.2
10 8	22 56.90	−19 39.4	2.113	2.960	12.2	20.4
10 18	22 52.16	−18 52.3	2.204	2.959	14.6	20.6

319355 2006 CD_{54} 9 11.2 174°.15 6°.8/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.72	−27 54.7	2.687	3.563	9.5	20.7
8 19	23 34.61	−29 15.1	2.643	3.564	7.8	20.6
8 29	23 28.05	−30 27.6	2.625	3.566	6.9	20.6
9 8	23 20.63	−31 26.3	2.633	3.567	7.1	20.6
9 18	23 13.01	−32 6.5	2.669	3.568	8.3	20.7
9 28	23 5.95	−32 25.7	2.729	3.568	10.1	20.8
10 8	23 0.10	−32 23.9	2.811	3.568	11.8	20.9
10 18	22 55.91	−32 2.5	2.913	3.568	13.4	21.1

468877 2013 RM_{85} 9 11.2 6°.51 5°.6/16.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 33.65	+11 4.1	1.053	1.921	21.3	20.7
8 19	23 31.57	+10 45.5	0.995	1.921	17.1	20.4
8 29	23 26.85	+ 9 50.7	0.954	1.922	12.2	20.2
9 8	23 20.40	+ 8 22.4	0.932	1.924	7.5	19.9
9 18	23 13.47	+ 6 29.2	0.933	1.928	5.8	19.8
9 28	23 7.53	+ 4 25.4	0.955	1.934	9.2	20.0
10 8	23 3.80	+ 2 26.6	1.000	1.940	13.9	20.3
10 18	23 2.99	+ 0 45.1	1.064	1.948	18.4	20.6

451186 2009 SS_{327} 9 11.2 358°.49 2°.5/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.13	− 9 37.6	2.007	2.896	11.6	20.8
8 19	23 33.72	−10 22.7	1.944	2.895	8.4	20.6
8 29	23 27.64	−11 12.9	1.904	2.894	4.9	20.4
9 8	23 20.54	−12 2.4	1.891	2.894	2.5	20.3
9 18	23 13.19	−12 45.8	1.906	2.893	4.5	20.4
9 28	23 6.44	−13 18.0	1.947	2.894	7.9	20.6
10 8	23 1.07	−13 35.8	2.013	2.894	11.2	20.8
10 18	22 57.57	−13 37.8	2.101	2.895	14.0	21.0

136815 1997 HL_{3} 9 11.2 180°.90 0°.7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.49	− 4 21.5	1.889	2.758	13.1	20.8
8 19	23 38.44	− 4 54.9	1.819	2.760	9.6	20.5
8 29	23 30.46	− 5 38.0	1.774	2.761	5.5	20.3
9 8	23 21.24	− 6 25.8	1.754	2.761	1.3	20.0
9 18	23 11.71	− 7 12.6	1.764	2.760	3.4	20.2
9 28	23 2.88	− 7 52.6	1.801	2.759	7.6	20.4
10 8	22 55.63	− 8 21.4	1.864	2.757	11.4	20.7
10 18	22 50.57	− 8 36.5	1.950	2.755	14.6	20.9

82556 2001 OE_{75} 9 11.2 18°.61 3°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.28	+ 3 10.0	1.401	2.266	17.1	17.7
8 19	23 38.01	+ 3 50.7	1.343	2.273	13.2	17.5
8 29	23 30.37	+ 4 14.7	1.306	2.281	8.8	17.3
9 8	23 21.23	+ 4 23.1	1.292	2.290	4.7	17.1
9 18	23 11.77	+ 4 18.7	1.303	2.300	4.3	17.1
9 28	23 3.27	+ 4 6.7	1.340	2.311	8.1	17.3
10 8	22 56.80	+ 3 53.1	1.400	2.323	12.2	17.6
10 18	22 53.00	+ 3 43.4	1.481	2.335	15.9	17.9

430375 2014 DS_{26} 9 11.2 210°.14 1°.0/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 32.86	+ 1 59.2	4.549	5.383	6.7	21.5
8 19	23 29.12	+ 1 49.9	4.465	5.381	5.0	21.4
8 29	23 24.67	+ 1 34.7	4.407	5.379	3.2	21.3
9 8	23 19.80	+ 1 15.0	4.377	5.377	1.4	21.2
9 18	23 14.80	+ 0 52.2	4.378	5.376	1.4	21.1
9 28	23 10.02	+ 0 28.6	4.408	5.374	3.2	21.3
10 8	23 5.78	+ 0 6.0	4.468	5.372	5.0	21.4
10 18	23 2.35	− 0 13.7	4.554	5.370	6.6	21.5

364065 2005 XZ_{61} 9 11.2 340°.24 0°.8/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.00	− 1 18.3	1.455	2.342	15.3	20.3
8 19	23 33.57	− 1 24.9	1.378	2.324	11.5	20.0
8 29	23 27.89	− 1 46.0	1.321	2.308	7.0	19.7
9 8	23 20.67	− 2 17.8	1.287	2.293	2.1	19.4
9 18	23 12.90	− 2 54.8	1.279	2.279	3.3	19.4
9 28	23 5.79	− 3 30.2	1.295	2.266	8.3	19.7
10 8	23 0.41	− 3 57.4	1.334	2.254	12.9	19.9
10 18	22 57.52	− 4 11.9	1.394	2.244	16.9	20.2

443526 2014 JE_{67} 9 11.2 62°.28 3°.0/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.01	−10 8.8	1.942	2.831	11.9	20.9
8 19	23 34.39	−11 10.3	1.883	2.835	8.6	20.7
8 29	23 28.05	−12 16.8	1.849	2.838	5.1	20.5
9 8	23 20.66	−13 21.8	1.841	2.842	3.0	20.4
9 18	23 13.03	−14 18.8	1.861	2.845	5.0	20.5
9 28	23 6.07	−15 2.2	1.908	2.849	8.5	20.8
10 8	23 0.54	−15 28.7	1.979	2.853	11.7	21.0
10 18	22 56.97	−15 37.2	2.072	2.857	14.5	21.2

12432 Usuda 9 11.2 301°.66 3°.4/14.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.17	+ 6 45.2	2.174	3.003	13.1	18.2
8 19	23 35.17	+ 6 55.5	2.093	3.000	10.3	18.0
8 29	23 28.52	+ 6 50.9	2.035	2.996	7.2	17.9
9 8	23 20.79	+ 6 32.6	2.002	2.993	4.3	17.7
9 18	23 12.72	+ 6 3.2	1.997	2.990	3.6	17.6
9 28	23 5.16	+ 5 27.1	2.020	2.987	6.1	17.8
10 8	22 58.87	+ 4 49.5	2.070	2.984	9.3	18.0
10 18	22 54.41	+ 4 15.1	2.143	2.981	12.3	18.2

352203 2007 RF_{291} 9 11.2 234°.78 8°.2/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.18	−28 47.2	2.145	3.020	11.6	20.7
8 19	23 38.93	−29 55.3	2.091	3.012	9.6	20.5
8 29	23 30.73	−30 53.3	2.062	3.004	8.4	20.4
9 8	23 21.33	−31 33.7	2.058	2.995	8.5	20.4
9 18	23 11.68	−31 51.0	2.079	2.987	9.9	20.5
9 28	23 2.80	−31 42.8	2.125	2.978	12.0	20.6
10 8	22 55.56	−31 9.7	2.193	2.968	14.2	20.8
10 18	22 50.55	−30 15.0	2.279	2.959	16.1	20.9

436391 2010 VN_{111} 9 11.2 261°.85 0°.1/11.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 31.61	− 2 58.1	4.461	5.317	6.4	21.7
8 19	23 28.26	− 3 26.8	4.377	5.311	4.6	21.5
8 29	23 24.20	− 4 0.1	4.320	5.305	2.7	21.4
9 8	23 19.70	− 4 36.3	4.292	5.299	0.7	21.2
9 18	23 15.08	− 5 13.0	4.295	5.292	1.4	21.3
9 28	23 10.68	− 5 47.9	4.327	5.286	3.5	21.4
10 8	23 6.81	− 6 19.0	4.388	5.280	5.4	21.6
10 18	23 3.74	− 6 44.5	4.475	5.274	7.0	21.7

360247 2000 GH_{14} 9 11.2 64°.37 2°.3/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.61	− 6 47.2	1.094	1.991	18.4	20.3
8 19	23 41.89	− 7 32.8	1.068	2.022	13.2	20.1
8 29	23 32.49	− 8 27.8	1.062	2.053	7.5	19.9
9 8	23 21.72	− 9 22.9	1.079	2.084	2.5	19.7
9 18	23 11.10	−10 8.9	1.121	2.115	5.4	20.0
9 28	23 2.11	−10 39.0	1.187	2.146	10.4	20.4
10 8	22 55.79	−10 49.8	1.275	2.177	14.9	20.7
10 18	22 52.57	−10 41.4	1.383	2.207	18.4	21.1

302157 2001 SF_{301} 9 11.2 25°.60 0°.6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.92	− 0 29.7	1.720	2.592	14.1	20.8
8 19	23 34.51	− 0 58.4	1.656	2.596	10.4	20.6
8 29	23 28.21	− 1 41.0	1.615	2.600	6.2	20.4
9 8	23 20.73	− 2 32.7	1.599	2.605	1.8	20.1
9 18	23 12.96	− 3 27.7	1.610	2.610	2.9	20.2
9 28	23 5.91	− 4 19.3	1.648	2.615	7.2	20.5
10 8	23 0.44	− 5 1.7	1.711	2.621	11.2	20.8
10 18	22 57.09	− 5 31.1	1.795	2.627	14.5	21.0

20686 Thottumkara 9 11.2 129°.89 0°.2/11.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.87	− 2 10.2	1.695	2.565	14.4	18.9
8 19	23 38.07	− 2 51.7	1.637	2.577	10.5	18.7
8 29	23 30.26	− 3 45.8	1.602	2.589	6.1	18.5
9 8	23 21.22	− 4 46.8	1.594	2.600	1.4	18.2
9 18	23 11.96	− 5 48.0	1.612	2.610	3.3	18.3
9 28	23 3.54	− 6 42.5	1.659	2.620	7.7	18.6
10 8	22 56.88	− 7 24.7	1.730	2.630	11.7	18.9
10 18	22 52.52	− 7 51.7	1.824	2.639	15.0	19.1

474009 2016 FJ_{50} 9 11.2 92°.86 3°.1/13.8 17

8 9	23 43.98	+ 5 41.8	1.346	2.203	18.1	21.2
8 19	23 38.53	+ 5 20.4	1.293	2.218	13.9	21.0
8 29	23 30.67	+ 4 35.7	1.260	2.234	9.1	20.8
9 8	23 21.34	+ 3 32.0	1.250	2.249	4.4	20.5
9 18	23 11.77	+ 2 16.6	1.266	2.264	3.9	20.5
9 28	23 3.26	+ 0 59.3	1.308	2.279	8.2	20.8
10 8	22 56.88	− 0 10.7	1.374	2.294	12.6	21.1
10 18	22 53.24	− 1 6.8	1.461	2.308	16.4	21.4

218414 2004 RD_{94} 9 11.2 59°.61 3°.0/14.1 18

8 9	23 40.85	+ 5 18.6	2.069	2.906	13.4	20.2
8 19	23 35.66	+ 5 26.6	2.000	2.913	10.4	20.0
8 29	23 28.79	+ 5 20.0	1.954	2.920	7.0	19.8
9 8	23 20.88	+ 5 0.6	1.933	2.928	3.9	19.6
9 18	23 12.71	+ 4 31.5	1.940	2.935	3.4	19.6
9 28	23 5.15	+ 3 57.2	1.975	2.943	6.2	19.8
10 8	22 58.97	+ 3 22.9	2.036	2.950	9.4	20.0
10 18	22 54.70	+ 2 53.2	2.122	2.958	12.4	20.2

478233 2011 UR_{334} 9 11.2 7°.78 7°.5/ 6.8 18

8 9	23 52.81	−24 19.4	1.606	2.487	14.4	20.2
8 19	23 44.74	−24 31.1	1.552	2.488	11.3	20.0
8 29	23 34.18	−24 31.6	1.522	2.489	8.5	19.9
9 8	23 22.19	−24 13.8	1.516	2.491	7.5	19.8
9 18	23 10.10	−23 33.5	1.537	2.493	9.1	19.9
9 28	22 59.29	−22 30.1	1.584	2.495	12.0	20.1
10 8	22 50.81	−21 6.7	1.654	2.498	15.1	20.3
10 18	22 45.23	−19 28.1	1.745	2.502	17.8	20.5

262879 2007 BC_{75} 9 11.2 89°.67 0°.9/10.2 18

8 9	23 38.74	− 4 59.8	2.203	3.077	11.3	21.2
8 19	23 34.00	− 5 40.4	2.141	3.084	8.2	21.0
8 29	23 27.77	− 6 28.7	2.104	3.092	4.7	20.8
9 8	23 20.63	− 7 20.2	2.094	3.100	1.2	20.5
9 18	23 13.29	− 8 9.8	2.112	3.108	3.1	20.7
9 28	23 6.54	− 8 52.6	2.159	3.115	6.6	20.9
10 8	23 1.05	− 9 24.7	2.232	3.123	9.8	21.2
10 18	22 57.28	− 9 44.1	2.328	3.130	12.5	21.4

443245 2014 DG_{135} 9 11.2 125°.08 2°.0/ 9.1 17

8 9	23 40.92	− 7 49.4	2.067	2.946	11.7	22.0
8 19	23 35.65	− 8 41.7	2.010	2.956	8.4	21.9
8 29	23 28.75	− 9 40.2	1.977	2.966	4.8	21.7
9 8	23 20.88	−10 39.1	1.972	2.976	2.0	21.5
9 18	23 12.81	−11 32.7	1.995	2.985	4.1	21.6
9 28	23 5.42	−12 15.6	2.047	2.994	7.5	21.9
10 8	22 59.42	−12 44.6	2.123	3.003	10.8	22.1
10 18	22 55.33	−12 58.1	2.223	3.011	13.5	22.3

83617 2001 SX_{287} 9 11.2 169°.91 7°.2/ 3.1 18

8 9	23 43.63	−26 2.1	2.223	3.103	11.0	19.2
8 19	23 37.65	−27 8.9	2.176	3.105	8.9	19.0
8 29	23 29.93	−28 7.5	2.154	3.106	7.4	19.0
9 8	23 21.16	−28 51.1	2.157	3.108	7.4	19.0
9 18	23 12.22	−29 14.6	2.188	3.109	8.8	19.1
9 28	23 4.03	−29 15.3	2.243	3.110	10.9	19.2
10 8	22 57.37	−28 53.8	2.321	3.111	13.1	19.4
10 18	22 52.73	−28 12.4	2.418	3.111	15.0	19.5

20020 1991 VT 9 11.2 342°.10 13°.0/31.1 18

8 9	23 42.61	−31 36.4	1.275	2.174	16.2	16.2
8 19	23 38.14	−33 10.8	1.232	2.162	14.1	16.0
8 29	23 30.71	−34 27.6	1.209	2.151	13.0	15.9
9 8	23 21.41	−35 13.8	1.207	2.141	13.5	15.9
9 18	23 11.73	−35 20.8	1.225	2.133	15.4	16.0
9 28	23 3.32	−34 46.0	1.263	2.125	17.9	16.2
10 8	22 57.44	−33 33.1	1.318	2.119	20.6	16.3
10 18	22 54.75	−31 49.2	1.387	2.113	23.0	16.5

101304 1998 SJ_{133} 9 11.2 341°.41 0°.4/11.5 18

8 9	23 39.29	− 2 23.4	1.139	2.037	17.7	19.0
8 19	23 35.72	− 2 31.3	1.072	2.026	13.2	18.7
8 29	23 29.37	− 2 55.6	1.025	2.015	7.9	18.3
9 8	23 21.12	− 3 31.1	1.000	2.006	2.1	18.0
9 18	23 12.24	− 4 10.8	0.998	1.998	4.0	18.1
9 28	23 4.29	− 4 46.1	1.019	1.991	9.8	18.4
10 8	22 58.58	− 5 9.4	1.061	1.985	15.0	18.7
10 18	22 55.92	− 5 16.4	1.122	1.981	19.5	18.9

494554 2017 BB_8 9 11.2 235°.61 3°.1/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 38.50	−13 34.5	2.714	3.596	9.2	21.7
8 19	23 33.71	−14 27.5	2.639	3.586	6.7	21.5
8 29	23 27.58	−15 22.3	2.591	3.575	4.2	21.3
9 8	23 20.60	−16 14.1	2.570	3.564	3.1	21.2
9 18	23 13.36	−16 58.4	2.579	3.553	4.7	21.3
9 28	23 6.54	−17 31.3	2.615	3.541	7.2	21.5
10 8	23 0.74	−17 50.5	2.678	3.529	9.8	21.6
10 18	22 56.43	−17 55.1	2.763	3.517	12.0	21.8

112499 2002 PC_{14} 9 11.2 95°.56 0°.1/11.3 17

8 9	23 44.03	− 1 4.5	1.500	2.373	15.7	20.5
8 19	23 38.31	− 1 49.6	1.452	2.393	11.5	20.3
8 29	23 30.43	− 2 49.5	1.425	2.412	6.7	20.1
9 8	23 21.30	− 3 57.6	1.424	2.430	1.7	19.8
9 18	23 12.01	− 5 6.3	1.450	2.449	3.4	20.0
9 28	23 3.73	− 6 7.5	1.502	2.466	8.1	20.3
10 8	22 57.40	− 6 55.1	1.579	2.484	12.3	20.6
10 18	22 53.57	− 7 26.0	1.678	2.501	15.7	20.9

112576 2002 PY_{52} 9 11.2 94°.39 0°.8/10.5 18

8 9	23 42.28	− 4 47.7	1.829	2.704	13.2	20.2
8 19	23 36.84	− 5 14.2	1.768	2.712	9.6	20.0
8 29	23 29.53	− 5 49.6	1.731	2.719	5.5	19.8
9 8	23 21.09	− 6 29.0	1.720	2.726	1.4	19.5
9 18	23 12.42	− 7 7.1	1.737	2.733	3.4	19.7
9 28	23 4.49	− 7 38.5	1.781	2.741	7.5	20.0
10 8	22 58.16	− 7 59.2	1.850	2.748	11.2	20.2
10 18	22 53.96	− 8 6.9	1.942	2.755	14.3	20.5

431968 2008 UP_{130} 9 11.2 33°.84 2°.3/ 9.6 16

8 9	23 42.14	− 7 46.6	1.276	2.176	16.1	20.9
8 19	23 37.23	− 8 18.5	1.233	2.189	11.6	20.7
8 29	23 29.91	− 8 58.6	1.211	2.203	6.7	20.4
9 8	23 21.18	− 9 39.5	1.212	2.217	2.4	20.2
9 18	23 12.29	−10 13.8	1.238	2.232	5.0	20.4
9 28	23 4.55	−10 35.0	1.289	2.248	9.7	20.7
10 8	22 58.96	−10 39.7	1.362	2.265	14.0	21.0
10 18	22 56.08	−10 27.0	1.454	2.282	17.5	21.3

390756 2003 SZ_{323} 9 11.2 349°.96 0°.1/11.3 18

8 9	23 43.02	− 3 22.9	1.637	2.513	14.4	21.1
8 19	23 37.65	− 3 30.6	1.569	2.512	10.7	20.9
8 29	23 30.15	− 3 48.9	1.524	2.511	6.3	20.6
9 8	23 21.27	− 4 13.8	1.503	2.509	1.6	20.3
9 18	23 12.03	− 4 40.2	1.510	2.509	3.2	20.4
9 28	23 3.56	− 5 2.5	1.543	2.508	7.9	20.7
10 8	22 56.84	− 5 16.2	1.601	2.508	12.0	20.9
10 18	22 52.52	− 5 18.5	1.680	2.507	15.5	21.2

470517 2008 CE_{146} 9 11.2 109°.18 0°.4/11.6 17

8 9	23 43.82	− 0 55.9	1.562	2.432	15.3	21.9
8 19	23 38.20	− 1 26.2	1.505	2.444	11.3	21.7
8 29	23 30.42	− 2 10.9	1.470	2.455	6.7	21.5
9 8	23 21.33	− 3 4.7	1.460	2.466	1.8	21.2
9 18	23 12.00	− 4 0.8	1.477	2.477	3.2	21.3
9 28	23 3.57	− 4 52.1	1.521	2.487	7.9	21.6
10 8	22 57.01	− 5 32.5	1.590	2.497	12.1	21.9
10 18	22 52.90	− 5 58.6	1.681	2.507	15.6	22.2

406995 2009 RN_{46} 9 11.2 195°.95 0°.3/11.6 18

8 9	23 38.38	− 1 28.4	2.695	3.550	10.1	21.9
8 19	23 33.58	− 1 53.6	2.617	3.548	7.4	21.7
8 29	23 27.49	− 2 27.4	2.564	3.546	4.4	21.5
9 8	23 20.60	− 3 6.7	2.538	3.544	1.2	21.2
9 18	23 13.48	− 3 47.9	2.543	3.541	2.1	21.3
9 28	23 6.78	− 4 27.0	2.576	3.539	5.3	21.5
10 8	23 1.08	− 5 0.5	2.637	3.536	8.2	21.7
10 18	22 56.84	− 5 25.5	2.723	3.532	10.8	21.9

66919 1999 VC_{177} 9 11.2 357°.71 1°.7/ 9.8 18

8 9	23 35.49	− 4 25.1	1.237	2.141	16.2	18.4
8 19	23 32.64	− 5 24.0	1.179	2.137	11.8	18.1
8 29	23 27.41	− 6 38.3	1.141	2.134	6.7	17.8
9 8	23 20.63	− 7 59.8	1.126	2.132	2.0	17.5
9 18	23 13.43	− 9 18.1	1.136	2.132	4.9	17.7
9 28	23 7.12	−10 23.3	1.169	2.132	10.0	18.0
10 8	23 2.78	−11 8.2	1.224	2.134	14.6	18.3
10 18	23 1.08	−11 29.6	1.298	2.137	18.5	18.6

437290 2013 BH_1 9 11.2 275°.59 2°.3/ 6.6 17

8 9	23 32.66	−15 18.3	4.312	5.193	6.1	21.2
8 19	23 29.06	−15 56.2	4.245	5.190	4.4	21.1
8 29	23 24.71	−16 34.1	4.205	5.187	2.9	21.0
9 8	23 19.90	−17 9.2	4.194	5.184	2.3	20.9
9 18	23 14.97	−17 39.2	4.212	5.181	3.3	21.0
9 28	23 10.29	−18 2.0	4.259	5.177	4.9	21.1
10 8	23 6.20	−18 16.1	4.333	5.174	6.5	21.2
10 18	23 2.99	−18 20.9	4.431	5.171	8.0	21.4

122591 2000 RV_{28} 9 11.2 358.°91 5.°9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.37	+ 6 19.5	1.351	2.202	18.4	18.7
8 19	23 40.62	+ 7 30.3	1.283	2.199	14.7	18.5
8 29	23 32.15	+ 8 23.2	1.234	2.198	10.5	18.2
9 8	23 21.83	+ 8 56.2	1.209	2.197	6.9	18.0
9 18	23 10.91	+ 9 9.9	1.208	2.197	6.2	18.0
9 28	23 0.88	+ 9 8.2	1.232	2.198	9.2	18.2
10 8	22 53.03	+ 8 57.6	1.279	2.200	13.3	18.4
10 18	22 48.17	+ 8 45.2	1.346	2.202	17.0	18.7

131905 2002 BQ_{9} 9 11.2 61.°62 4.°8/ 7.4 18

8 9	23 44.69	− 9 44.1	1.138	2.043	17.2	18.3
8 19	23 39.00	−11 35.2	1.119	2.078	12.2	18.2
8 29	23 30.83	−13 30.6	1.121	2.112	7.3	18.0
9 8	23 21.39	−15 16.9	1.148	2.147	4.8	18.0
9 18	23 12.08	−16 42.6	1.199	2.181	7.6	18.2
9 28	23 4.26	−17 40.4	1.275	2.215	11.8	18.6
10 8	22 58.87	−18 8.7	1.371	2.249	15.6	18.9
10 18	22 56.33	−18 9.8	1.487	2.282	18.7	19.2

220821 2004 TE_{310} 9 11.2 60.°91 0.°4/11.6 18

8 9	23 41.84	− 2 36.2	2.235	3.096	11.7	20.1
8 19	23 36.29	− 2 38.3	2.163	3.097	8.6	19.9
8 29	23 29.16	− 2 48.7	2.115	3.098	5.1	19.7
9 8	23 21.02	− 3 4.4	2.094	3.099	1.4	19.5
9 18	23 12.64	− 3 22.2	2.101	3.100	2.5	19.5
9 28	23 4.81	− 3 38.1	2.137	3.101	6.1	19.8
10 8	22 58.28	− 3 48.9	2.200	3.102	9.5	20.0
10 18	22 53.56	− 3 52.1	2.287	3.103	12.3	20.2

401698 2013 HO_{30} 9 11.2 135.°30 2.°9/14.8 18

8 9	23 38.69	+ 7 27.9	2.466	3.288	12.0	21.9
8 19	23 33.89	+ 7 14.1	2.392	3.295	9.4	21.7
8 29	23 27.71	+ 6 45.6	2.341	3.302	6.4	21.5
9 8	23 20.66	+ 6 4.5	2.317	3.308	3.7	21.4
9 18	23 13.40	+ 5 14.2	2.321	3.314	3.1	21.3
9 28	23 6.62	+ 4 19.1	2.354	3.321	5.4	21.5
10 8	23 0.97	+ 3 24.6	2.414	3.326	8.2	21.7
10 18	22 56.89	+ 2 35.1	2.499	3.332	10.9	21.9

378028 2006 SU_{337} 9 11.2 323.°03 1.°0/10.5 18

8 9	23 35.44	− 2 8.0	1.124	2.028	17.5	20.9
8 19	23 33.06	− 3 5.2	1.046	2.004	13.0	20.6
8 29	23 27.94	− 4 25.3	0.988	1.981	7.6	20.2
9 8	23 20.84	− 6 1.0	0.952	1.959	1.8	19.8
9 18	23 12.91	− 7 41.0	0.940	1.938	4.9	19.9
9 28	23 5.71	− 9 11.6	0.950	1.918	10.9	20.2
10 8	23 0.63	−10 21.5	0.980	1.899	16.5	20.4
10 18	22 58.62	−11 4.3	1.028	1.882	21.3	20.7

356438 2010 WJ_{21} 9 11.2 317.°41 0.°7/12.6 15

8 9	23 32.13	+ 0 49.8	4.253	5.095	7.0	21.2
8 19	23 28.69	+ 0 31.2	4.170	5.092	5.2	21.1
8 29	23 24.50	+ 0 6.5	4.112	5.089	3.2	20.9
9 8	23 19.86	− 0 22.7	4.083	5.086	1.2	20.8
9 18	23 15.08	− 0 54.3	4.084	5.083	1.4	20.8
9 28	23 10.54	− 1 26.1	4.114	5.079	3.4	20.9
10 8	23 6.56	− 1 55.8	4.173	5.076	5.3	21.1
10 18	23 3.43	− 2 21.3	4.259	5.073	7.1	21.2

73048 2002 EA_{115} 9 11.2 62.°87 6.°9/ 6.2 18

8 9	23 45.07	−17 7.4	1.264	2.170	15.8	19.0
8 19	23 39.51	−18 22.3	1.224	2.179	11.8	18.7
8 29	23 31.31	−19 35.0	1.206	2.189	8.1	18.6
9 8	23 21.57	−20 34.4	1.211	2.199	6.9	18.5
9 18	23 11.64	−21 11.6	1.240	2.209	9.3	18.7
9 28	23 2.98	−21 21.5	1.293	2.219	13.0	18.9
10 8	22 56.68	−21 3.9	1.366	2.229	16.6	19.2
10 18	22 53.33	−20 22.1	1.457	2.239	19.7	19.5

230339 2002 CD_{200} 9 11.2 310.°31 0.°5/12.2 18

8 9	23 34.23	− 0 57.0	4.141	4.986	7.1	20.3
8 19	23 30.20	− 1 3.8	4.058	4.984	5.2	20.2
8 29	23 25.39	− 1 15.8	4.002	4.981	3.2	20.0
9 8	23 20.08	− 1 31.6	3.974	4.978	1.1	19.8
9 18	23 14.64	− 1 49.2	3.976	4.975	1.4	19.9
9 28	23 9.45	− 2 6.7	4.009	4.973	3.5	20.0
10 8	23 4.87	− 2 21.9	4.070	4.970	5.5	20.2
10 18	23 1.19	− 2 33.3	4.157	4.967	7.3	20.3

209540 Siurana 9 11.2 315.°78 0.°8/10.8 18

8 9	23 43.69	− 5 13.0	1.129	2.028	17.8	20.0
8 19	23 39.15	− 5 18.2	1.057	2.012	13.2	19.7
8 29	23 31.53	− 5 35.9	1.005	1.996	7.8	19.4
9 8	23 21.74	− 6 0.6	0.974	1.981	1.9	19.0
9 18	23 11.13	− 6 25.1	0.967	1.966	4.6	19.1
9 28	23 1.42	− 6 41.8	0.983	1.952	10.7	19.4
10 8	22 54.13	− 6 44.6	1.021	1.938	16.1	19.7
10 18	22 50.18	− 6 30.5	1.076	1.926	20.8	19.9

235199 2003 SQ_{148} 9 11.2 5.°30 0.°4/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 41.03	− 4 31.2	1.279	2.174	16.4	19.4
8 19	23 36.61	− 4 34.6	1.221	2.173	12.1	19.1
8 29	23 29.70	− 4 49.5	1.184	2.174	7.1	18.9
9 8	23 21.21	− 5 10.8	1.170	2.176	1.7	18.5
9 18	23 12.34	− 5 32.5	1.180	2.179	3.9	18.7
9 28	23 4.46	− 5 48.3	1.215	2.184	9.1	19.0
10 8	22 58.68	− 5 53.2	1.272	2.189	13.7	19.3
10 18	22 55.67	− 5 44.6	1.350	2.195	17.6	19.6

354436 2003 YW_{19} 9 11.2 277.°02 5.°7/16.3 18

8 9	23 42.37	+11 32.1	1.930	2.739	15.3	20.7
8 19	23 37.12	+12 4.5	1.845	2.731	12.5	20.5
8 29	23 29.88	+12 17.8	1.780	2.723	9.4	20.3
9 8	23 21.27	+12 11.5	1.739	2.714	6.7	20.1
9 18	23 12.15	+11 47.1	1.725	2.706	5.7	20.0
9 28	23 3.55	+11 8.6	1.737	2.698	7.6	20.1
10 8	22 56.42	+10 22.5	1.775	2.689	10.6	20.3
10 18	22 51.45	+ 9 35.5	1.836	2.681	13.7	20.4

350933 2002 TX_{272} 9 11.2 42.°18 0.°8/10.6 18

8 9	23 45.69	− 6 34.9	1.715	2.592	13.9	19.9
8 19	23 39.44	− 6 32.6	1.653	2.597	10.1	19.7
8 29	23 31.12	− 6 36.8	1.614	2.602	5.9	19.5
9 8	23 21.54	− 6 43.5	1.602	2.608	1.5	19.2
9 18	23 11.69	− 6 48.5	1.617	2.614	3.5	19.4
9 28	23 2.71	− 6 47.7	1.659	2.620	7.8	19.6
10 8	22 55.51	− 6 38.4	1.726	2.626	11.7	19.9
10 18	22 50.68	− 6 19.1	1.816	2.632	15.0	20.1

41665 2000 TH_{18} 9 11.2 138.°48 1.°2/10.3 18

8 9	23 45.58	− 5 29.9	1.432	2.316	15.7	19.4
8 19	23 39.74	− 5 57.1	1.372	2.320	11.4	19.1
8 29	23 31.46	− 6 34.8	1.334	2.323	6.6	18.9
9 8	23 21.64	− 7 16.9	1.320	2.326	1.7	18.6
9 18	23 11.47	− 7 56.4	1.332	2.329	4.2	18.7
9 28	23 2.26	− 8 26.6	1.371	2.331	9.1	19.0
10 8	22 55.13	− 8 42.7	1.433	2.334	13.6	19.3
10 18	22 50.72	− 8 42.8	1.515	2.336	17.3	19.6

143014 2002 VT_{106} 9 11.2 356.°33 1.°9/ 9.9 18

8 9	23 40.51	− 7 43.8	1.394	2.291	15.1	19.3
8 19	23 36.12	− 8 2.2	1.332	2.287	11.0	19.0
8 29	23 29.38	− 8 28.5	1.292	2.284	6.4	18.7
9 8	23 21.13	− 8 56.7	1.276	2.282	2.1	18.5
9 18	23 12.51	− 9 20.4	1.285	2.281	4.6	18.6
9 28	23 4.77	− 9 33.7	1.319	2.280	9.4	18.9
10 8	22 58.99	− 9 32.8	1.376	2.281	13.7	19.2
10 18	22 55.81	− 9 16.0	1.452	2.283	17.4	19.4

42472 1981 EN_{25} 9 11.2 199.°80 0.°1/11.3 18

8 9	23 42.69	− 0 49.7	1.655	2.524	14.7	19.7
8 19	23 37.46	− 1 34.8	1.583	2.522	10.9	19.5
8 29	23 30.09	− 2 35.3	1.534	2.519	6.5	19.2
9 8	23 21.31	− 3 45.9	1.510	2.516	1.7	18.9
9 18	23 12.12	− 4 59.2	1.514	2.512	3.3	19.0
9 28	23 3.65	− 6 7.2	1.544	2.508	8.0	19.3
10 8	22 56.88	− 7 3.0	1.600	2.503	12.3	19.5
10 18	22 52.49	− 7 42.4	1.678	2.498	15.9	19.8

251773 1999 RF_{7} 9 11.2 259.°25 1.°3/ 9.9 18

8 9	23 40.98	− 7 5.9	2.230	3.104	11.2	20.9
8 19	23 35.73	− 7 28.5	2.155	3.099	8.1	20.7
8 29	23 28.87	− 7 56.8	2.105	3.093	4.7	20.5
9 8	23 20.99	− 8 26.9	2.082	3.087	1.5	20.2
9 18	23 12.83	− 8 54.6	2.087	3.081	3.3	20.4
9 28	23 5.20	− 9 15.5	2.121	3.075	6.8	20.6
10 8	22 58.84	− 9 26.7	2.181	3.070	10.1	20.8
10 18	22 54.28	− 9 26.3	2.264	3.064	13.0	21.0

375255 2008 GU_{91} 9 11.2 196.°42 0.°4/11.6 17

8 9	23 41.87	− 0 12.9	1.698	2.565	14.5	21.6
8 19	23 36.81	− 0 56.2	1.627	2.564	10.7	21.4
8 29	23 29.68	− 1 55.1	1.578	2.562	6.4	21.1
9 8	23 21.22	− 3 4.3	1.554	2.560	1.8	20.8
9 18	23 12.36	− 4 17.0	1.558	2.557	3.1	20.9
9 28	23 4.21	− 5 25.2	1.590	2.554	7.7	21.2
10 8	22 57.70	− 6 22.2	1.646	2.551	11.9	21.4
10 18	22 53.48	− 7 3.7	1.725	2.547	15.4	21.7

480194 2015 FG_{339} 9 11.2 59.°37 1.°4/12.4 16

8 9	23 42.37	+ 1 7.4	1.508	2.377	15.9	20.7
8 19	23 37.12	+ 0 48.3	1.460	2.396	11.8	20.5
8 29	23 29.78	+ 0 13.2	1.433	2.415	7.3	20.3
9 8	23 21.21	− 0 33.3	1.430	2.434	2.6	20.1
9 18	23 12.48	− 1 24.9	1.454	2.453	3.1	20.2
9 28	23 4.73	− 2 14.3	1.503	2.473	7.6	20.5
10 8	22 58.84	− 2 55.4	1.578	2.492	11.7	20.8
10 18	22 55.37	− 3 24.0	1.674	2.512	15.1	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
276726 2004 CD_{100}			9 11.2 196°.38		1°.8/ 9.9 18	
	h m	° ′			°	m
8 9	23 46.95	− 7 56.7	1.672	2.551	14.1	20.6
8 19	23 40.52	− 8 15.5	1.604	2.550	10.2	20.3
8 29	23 31.86	− 8 40.8	1.560	2.548	5.9	20.1
9 8	23 21.77	− 9 7.2	1.541	2.546	2.0	19.8
9 18	23 11.31	− 9 29.1	1.550	2.544	4.3	20.0
9 28	23 1.68	− 9 41.6	1.586	2.542	8.6	20.2
10 8	22 53.91	− 9 41.4	1.647	2.539	12.7	20.5
10 18	22 48.64	− 9 27.2	1.730	2.535	16.1	20.7
315110 2007 EL_{37}			9 11.2 33°.80		0°.8/12.0 18	
8 9	23 39.27	− 0 38.3	1.871	2.739	13.3	20.2
8 19	23 34.62	− 0 53.3	1.813	2.749	9.8	20.0
8 29	23 28.25	− 1 20.0	1.777	2.760	5.9	19.8
9 8	23 20.85	− 1 54.9	1.767	2.772	1.9	19.6
9 18	23 13.24	− 2 33.0	1.784	2.784	2.7	19.7
9 28	23 6.33	− 3 9.1	1.829	2.796	6.6	19.9
10 8	23 0.89	− 3 38.4	1.899	2.809	10.2	20.2
10 18	22 57.42	− 3 57.7	1.992	2.822	13.3	20.4
95592 2002 FL_{10}			9 11.2 193°.75		3°.9/15.3 18	
8 9	23 42.18	+ 8 48.2	2.456	3.264	12.4	20.0
8 19	23 36.53	+ 9 9.0	2.372	3.263	9.9	19.8
8 29	23 29.33	+ 9 15.7	2.312	3.262	7.1	19.6
9 8	23 21.13	+ 9 8.9	2.278	3.260	4.7	19.5
9 18	23 12.60	+ 8 50.2	2.272	3.259	4.0	19.4
9 28	23 4.54	+ 8 23.1	2.295	3.257	5.9	19.5
10 8	22 57.64	+ 7 52.0	2.345	3.254	8.6	19.7
10 18	22 52.44	+ 7 21.5	2.421	3.252	11.2	19.9
36116 1999 RY_{133}			9 11.2 282°.29		2°.2/13.9 18	
8 9	23 36.67	+ 6 4.6	2.158	2.996	12.9	18.6
8 19	23 32.68	+ 5 23.7	2.077	2.993	9.9	18.4
8 29	23 27.13	+ 4 25.4	2.020	2.990	6.5	18.2
9 8	23 20.59	+ 3 13.1	1.989	2.987	3.2	18.0
9 18	23 13.74	+ 1 51.8	1.986	2.984	2.7	18.0
9 28	23 7.39	+ 0 28.2	2.011	2.981	5.9	18.2
10 8	23 2.25	− 0 51.0	2.064	2.978	9.3	18.4
10 18	22 58.84	− 2 0.1	2.141	2.975	12.4	18.6
202139 2004 TF_{241}			9 11.2 294°.32		2°.5/13.5 18	
8 9	23 39.32	+ 4 25.4	1.628	2.485	15.5	20.7
8 19	23 35.21	+ 4 5.9	1.540	2.467	12.0	20.4
8 29	23 28.91	+ 3 26.3	1.473	2.448	7.9	20.1
9 8	23 21.09	+ 2 29.4	1.430	2.430	3.7	19.9
9 18	23 12.65	+ 1 20.4	1.413	2.412	3.4	19.8
9 28	23 4.75	+ 0 7.3	1.422	2.393	7.6	20.0
10 8	22 58.46	− 1 1.4	1.456	2.375	12.1	20.2
10 18	22 54.53	− 1 58.8	1.512	2.358	16.0	20.4
198341 2004 UR_{8}			9 11.2 337°.62		1°.0/10.6 18	
8 9	23 39.99	− 5 13.0	1.284	2.182	16.2	19.7
8 19	23 36.03	− 5 29.5	1.215	2.169	11.9	19.4
8 29	23 29.50	− 5 57.9	1.166	2.157	7.0	19.1
9 8	23 21.24	− 6 32.7	1.140	2.146	1.7	18.8
9 18	23 12.40	− 7 6.6	1.138	2.136	4.3	18.9
9 28	23 4.39	− 7 32.4	1.161	2.128	9.6	19.2
10 8	22 58.43	− 7 44.4	1.205	2.120	14.5	19.5
10 18	22 55.30	− 7 39.5	1.269	2.113	18.6	19.7
186275 2002 AK_{31}			9 11.2 97°.60		3°.1/ 7.1 18	
8 9	23 38.52	−10 53.2	2.405	3.288	10.2	19.8
8 19	23 33.73	−12 22.6	2.361	3.309	7.3	19.7
8 29	23 27.59	−13 55.0	2.344	3.330	4.4	19.6
9 8	23 20.68	−15 23.9	2.355	3.351	3.1	19.5
9 18	23 13.64	−16 43.4	2.396	3.372	4.8	19.6
9 28	23 7.19	−17 48.4	2.466	3.392	7.6	19.9
10 8	23 1.93	−18 36.1	2.561	3.412	10.2	20.1
10 18	22 58.26	−19 5.7	2.679	3.431	12.4	20.3
479430 2013 YQ_{90}			9 11.2 245°.25		3°.7/ 7.4 18	
8 9	23 39.55	−10 21.2	1.716	2.610	13.0	20.7
8 19	23 35.10	−11 45.2	1.654	2.608	9.4	20.5
8 29	23 28.68	−13 16.2	1.617	2.606	5.7	20.3
9 8	23 20.99	−14 45.6	1.605	2.604	3.7	20.2
9 18	23 12.96	−16 4.7	1.621	2.601	6.1	20.3
9 28	23 5.64	−17 6.2	1.662	2.599	9.8	20.5
10 8	22 59.91	−17 45.9	1.728	2.597	13.4	20.7
10 18	22 56.40	−18 2.7	1.813	2.594	16.4	20.9
48285 2002 GK_{95}			9 11.3 253°.90		1°.3/10.3 18	
8 9	23 45.41	− 7 11.1	1.731	2.609	13.7	19.1
8 19	23 39.34	− 7 21.0	1.663	2.608	10.0	18.8
8 29	23 31.15	− 7 37.4	1.618	2.607	5.8	18.6
9 8	23 21.61	− 7 55.8	1.599	2.605	1.7	18.3
9 18	23 11.74	− 8 11.3	1.608	2.604	3.8	18.5
9 28	23 2.65	− 8 19.2	1.644	2.602	8.1	18.7
10 8	22 55.30	− 8 16.5	1.705	2.601	12.1	19.0
10 18	22 50.33	− 8 1.6	1.788	2.599	15.4	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
439258 2012 TV_{308}			9 11.3 347°.61		1°.9/12.7 18	
	h m	° ′			°	m
8 9	23 40.18	+ 1 31.9	1.443	2.316	16.2	20.6
8 19	23 35.89	+ 1 25.2	1.374	2.312	12.3	20.3
8 29	23 29.29	+ 1 1.2	1.326	2.308	7.8	20.1
9 8	23 21.18	+ 0 23.3	1.301	2.304	3.1	19.8
9 18	23 12.60	− 0 23.0	1.302	2.302	3.3	19.8
9 28	23 4.81	− 1 10.1	1.328	2.299	8.0	20.1
10 8	22 58.86	− 1 50.8	1.377	2.298	12.5	20.3
10 18	22 55.46	− 2 19.8	1.448	2.297	16.4	20.6
312001 2007 PK_{2}			9 11.3 232°.09		1°.9/ 6.8 16	
8 9	23 31.68	−13 42.8	4.747	5.626	5.6	20.8
8 19	23 28.34	−14 28.7	4.675	5.621	4.0	20.7
8 29	23 24.32	−15 15.2	4.631	5.614	2.6	20.6
9 8	23 19.88	−16 0.0	4.616	5.608	1.9	20.5
9 18	23 15.32	−16 40.7	4.630	5.602	2.9	20.6
9 28	23 10.96	−17 15.0	4.675	5.596	4.4	20.7
10 8	23 7.12	−17 41.5	4.746	5.589	6.0	20.8
10 18	23 4.05	−17 59.2	4.842	5.583	7.3	20.9
155321 2006 AA_{55}			9 11.3 54°.75		0°.1/11.4 18	
8 9	23 37.71	− 1 24.0	2.224	3.089	11.6	20.3
8 19	23 33.34	− 2 1.3	2.154	3.091	8.5	20.1
8 29	23 27.47	− 2 49.1	2.108	3.093	5.0	19.9
9 8	23 20.69	− 3 43.6	2.089	3.095	1.3	19.6
9 18	23 13.66	− 4 39.7	2.099	3.097	2.5	19.7
9 28	23 7.15	− 5 32.2	2.137	3.100	6.1	20.0
10 8	23 1.85	− 6 16.4	2.201	3.102	9.5	20.2
10 18	22 58.23	− 6 49.0	2.288	3.104	12.3	20.4
58265 1993 TJ_{12}			9 11.3 321°.03		0°.8/10.7 18	
8 9	23 41.71	− 5 0.7	1.317	2.210	16.1	18.2
8 19	23 37.36	− 5 11.4	1.240	2.192	12.0	17.9
8 29	23 30.36	− 5 33.7	1.184	2.174	7.0	17.6
9 8	23 21.49	− 6 2.7	1.150	2.157	1.7	17.2
9 18	23 11.92	− 6 31.8	1.142	2.140	4.2	17.3
9 28	23 3.11	− 6 53.8	1.158	2.124	9.6	17.6
10 8	22 56.33	− 7 3.1	1.196	2.109	14.6	17.8
10 18	22 52.45	− 6 56.5	1.253	2.095	18.9	18.1
369507 2010 VJ_{92}			9 11.3 13°.41		0°.2/11.4 18	
8 9	23 38.88	− 1 44.7	1.985	2.854	12.6	21.1
8 19	23 34.35	− 2 12.9	1.917	2.855	9.3	20.9
8 29	23 28.13	− 2 52.4	1.871	2.856	5.5	20.7
9 8	23 20.86	− 3 38.9	1.852	2.858	1.4	20.4
9 18	23 13.31	− 4 27.3	1.860	2.859	2.7	20.5
9 28	23 6.36	− 5 12.1	1.896	2.861	6.7	20.8
10 8	23 0.77	− 5 48.4	1.958	2.862	10.3	21.0
10 18	22 57.08	− 6 12.9	2.042	2.864	13.4	21.2
133346 2003 SZ_{109}			9 11.3 220°.88		5°.2/17.2 18	
8 9	23 38.34	+14 5.1	1.948	2.749	15.4	20.0
8 19	23 34.11	+13 44.2	1.865	2.747	12.6	19.8
8 29	23 28.08	+12 58.9	1.803	2.744	9.5	19.6
9 8	23 20.86	+11 50.5	1.765	2.742	6.5	19.4
9 18	23 13.28	+10 23.2	1.754	2.739	5.2	19.3
9 28	23 6.26	+ 8 43.9	1.770	2.736	6.9	19.4
10 8	23 0.64	+ 7 1.8	1.812	2.733	10.0	19.6
10 18	22 57.01	+ 5 25.1	1.879	2.730	13.2	19.8
149109 2002 CD_{211}			9 11.3 109°.88		1°.1/10.0 18	
8 9	23 39.03	− 5 24.1	2.260	3.133	11.1	20.2
8 19	23 34.23	− 6 7.3	2.198	3.141	8.0	20.1
8 29	23 27.97	− 6 57.8	2.161	3.149	4.6	19.9
9 8	23 20.81	− 7 51.1	2.151	3.157	1.3	19.6
9 18	23 13.46	− 8 42.0	2.170	3.165	3.1	19.8
9 28	23 6.68	− 9 25.8	2.217	3.172	6.6	20.0
10 8	23 1.13	− 9 58.7	2.291	3.179	9.7	20.2
10 18	22 57.27	−10 18.7	2.387	3.186	12.4	20.4
170681 2004 AF_{3}			9 11.3 242°.32		2°.9/13.9 18	
8 9	23 42.90	+ 4 37.6	2.031	2.868	13.6	20.4
8 19	23 37.36	+ 4 49.1	1.948	2.862	10.5	20.2
8 29	23 29.97	+ 4 46.4	1.888	2.856	7.1	20.0
9 8	23 21.35	+ 4 30.8	1.854	2.849	3.8	19.8
9 18	23 12.31	+ 4 5.3	1.847	2.843	3.4	19.7
9 28	23 3.82	+ 3 34.4	1.868	2.836	6.5	19.9
10 8	22 56.72	+ 3 3.1	1.916	2.829	10.0	20.1
10 18	22 51.65	+ 2 36.3	1.988	2.822	13.2	20.3
232877 2004 VJ_{38}			9 11.3 161°.26		8°.6/ 1.9 17	
8 9	23 47.64	−30 32.3	2.189	3.056	11.7	20.9
8 19	23 40.65	−31 43.4	2.150	3.062	9.8	20.8
8 29	23 31.75	−32 42.3	2.135	3.067	8.7	20.8
9 8	23 21.75	−33 21.8	2.145	3.072	8.8	20.8
9 18	23 11.63	−33 37.0	2.181	3.076	10.1	20.9
9 28	23 2.40	−33 26.1	2.242	3.080	12.0	21.0
10 8	22 54.90	−32 50.8	2.324	3.083	13.9	21.2
10 18	22 49.66	−31 54.7	2.425	3.085	15.7	21.3

314407 2005 UV_{275} 9 11.3 336°.77 0°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 38.62	+ 0 25.5	2.047	2.908	12.6	21.4
8 19	23 34.15	− 0 0.3	1.973	2.906	9.4	21.2
8 29	23 28.03	− 0 38.7	1.923	2.905	5.8	21.0
9 8	23 20.86	− 1 26.2	1.899	2.903	1.9	20.7
9 18	23 13.38	− 2 17.9	1.902	2.902	2.5	20.8
9 28	23 6.46	− 3 8.2	1.934	2.901	6.4	21.0
10 8	23 0.85	− 3 51.8	1.991	2.899	9.9	21.3
10 18	22 57.09	− 4 24.9	2.072	2.898	13.0	21.5

39004 2000 UV_{37} 9 11.3 333°.51 2°.4/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.49	+ 5 2.1	1.910	2.759	13.9	18.8
8 19	23 33.48	+ 4 41.3	1.832	2.753	10.7	18.6
8 29	23 27.71	+ 4 3.3	1.776	2.748	7.1	18.4
9 8	23 20.79	+ 3 10.7	1.745	2.743	3.5	18.1
9 18	23 13.52	+ 2 8.5	1.741	2.739	3.0	18.1
9 28	23 6.79	+ 1 3.1	1.764	2.735	6.5	18.3
10 8	23 1.44	+ 0 1.2	1.813	2.731	10.2	18.5
10 18	22 58.03	− 0 51.6	1.885	2.727	13.5	18.7

280295 2003 OR_{8} 9 11.3 15°.05 10°.6/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 34.01	−21 24.1	1.028	1.958	16.4	18.5
8 19	23 31.91	−23 47.6	1.004	1.966	12.9	18.3
8 29	23 27.09	−26 1.5	1.000	1.975	10.7	18.3
9 8	23 20.65	−27 49.4	1.018	1.987	11.1	18.3
9 18	23 13.99	−28 59.8	1.056	2.000	13.6	18.5
9 28	23 8.56	−29 27.4	1.114	2.014	16.8	18.8
10 8	23 5.45	−29 14.2	1.188	2.031	19.9	19.0
10 18	23 5.18	−28 26.2	1.278	2.048	22.5	19.3

255358 2005 WJ_{97} 9 11.3 43°.84 5°.8/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.24	−19 19.7	1.887	2.781	12.0	19.7
8 19	23 36.09	−20 19.8	1.843	2.791	9.0	19.6
8 29	23 29.14	−21 16.0	1.824	2.800	6.6	19.4
9 8	23 21.14	−22 1.3	1.831	2.810	5.9	19.4
9 18	23 12.99	−22 29.8	1.863	2.821	7.6	19.5
9 28	23 5.66	−22 38.2	1.921	2.831	10.3	19.7
10 8	22 59.94	−22 25.9	2.002	2.842	13.0	19.9
10 18	22 56.32	−21 54.4	2.104	2.853	15.4	20.1

278914 2008 TJ_{156} 9 11.3 40°.62 1°.0/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.02	− 0 52.4	1.350	2.230	16.7	19.5
8 19	23 37.85	− 0 57.6	1.302	2.245	12.4	19.3
8 29	23 30.35	− 1 17.7	1.274	2.260	7.5	19.0
9 8	23 21.46	− 1 48.1	1.270	2.275	2.4	18.8
9 18	23 12.37	− 2 22.9	1.292	2.291	3.3	18.9
9 28	23 4.35	− 2 55.1	1.338	2.308	8.2	19.2
10 8	22 58.39	− 3 18.9	1.408	2.325	12.6	19.5
10 18	22 55.08	− 3 30.7	1.499	2.343	16.3	19.8

228448 2001 QA_{174} 9 11.3 331°.98 7°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.79	+11 0.7	1.187	2.042	20.2	19.3
8 19	23 34.07	+11 41.9	1.106	2.021	16.7	19.0
8 29	23 28.63	+11 55.6	1.042	2.001	12.7	18.7
9 8	23 21.15	+11 39.3	0.999	1.982	8.9	18.5
9 18	23 12.80	+10 54.4	0.976	1.964	7.5	18.4
9 28	23 5.09	+ 9 48.1	0.976	1.948	10.1	18.4
10 8	22 59.47	+ 8 31.7	0.997	1.933	14.4	18.6
10 18	22 56.91	+ 7 17.1	1.037	1.920	18.8	18.9

482450 2012 DR_{61} 9 11.3 153°.00 5°.9/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.76	+18 9.8	2.809	3.555	12.5	21.5
8 19	23 35.41	+18 36.8	2.727	3.560	10.6	21.4
8 29	23 28.67	+18 46.6	2.666	3.565	8.5	21.3
9 8	23 21.05	+18 38.6	2.630	3.570	6.7	21.2
9 18	23 13.15	+18 14.0	2.620	3.575	5.9	21.1
9 28	23 5.66	+17 35.6	2.639	3.579	6.5	21.2
10 8	22 59.21	+16 47.9	2.685	3.583	8.1	21.3
10 18	22 54.29	+15 56.0	2.756	3.587	10.0	21.4

29094 1981 ED_{11} 9 11.3 56°.98 2°.8/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.48	+ 2 28.6	1.331	2.196	17.8	18.4
8 19	23 40.35	+ 2 44.3	1.285	2.216	13.5	18.2
8 29	23 31.80	+ 2 42.0	1.260	2.237	8.6	17.9
9 8	23 21.82	+ 2 24.6	1.258	2.258	4.0	17.7
9 18	23 11.70	+ 1 57.1	1.281	2.280	3.8	17.8
9 28	23 2.76	+ 1 26.3	1.331	2.301	8.1	18.1
10 8	22 56.04	+ 0 59.0	1.404	2.323	12.4	18.4
10 18	22 52.12	+ 0 40.0	1.498	2.345	16.1	18.7

346601 2008 WE_{32} 9 11.3 219°.89 2°.3/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.17	− 8 46.3	2.118	2.998	11.5	21.6
8 19	23 36.02	− 9 38.4	2.045	2.991	8.3	21.4
8 29	23 29.16	−10 36.7	1.996	2.984	4.9	21.2
9 8	23 21.19	−11 35.6	1.974	2.977	2.3	21.0
9 18	23 12.89	−12 29.1	1.981	2.969	4.3	21.1
9 28	23 5.14	−13 11.9	2.016	2.961	7.8	21.3
10 8	22 58.73	−13 40.2	2.076	2.952	11.1	21.5
10 18	22 54.21	−13 52.5	2.159	2.943	14.0	21.7

289281 2004 XT_{162} 9 11.3 291°.26 3°.2/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.98	+ 6 34.1	2.272	3.100	12.7	20.8
8 19	23 35.10	+ 6 43.6	2.186	3.092	9.9	20.6
8 29	23 28.61	+ 6 38.9	2.123	3.085	6.9	20.4
9 8	23 21.06	+ 6 21.2	2.087	3.078	4.1	20.2
9 18	23 13.16	+ 5 52.9	2.077	3.071	3.5	20.2
9 28	23 5.70	+ 5 18.1	2.096	3.063	5.9	20.3
10 8	22 59.45	+ 4 41.7	2.142	3.056	9.0	20.5
10 18	22 54.94	+ 4 8.4	2.212	3.049	11.9	20.7

134352 1993 TS_{7} 9 11.3 4°.95 0°.3/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.44	− 4 2.2	1.548	2.431	14.7	20.0
8 19	23 36.64	− 4 14.3	1.484	2.431	10.8	19.8
8 29	23 29.68	− 4 37.0	1.443	2.431	6.3	19.5
9 8	23 21.34	− 5 5.8	1.426	2.432	1.5	19.2
9 18	23 12.67	− 5 35.1	1.435	2.434	3.4	19.3
9 28	23 4.80	− 5 59.1	1.471	2.436	8.1	19.6
10 8	22 58.72	− 6 12.9	1.530	2.439	12.3	19.9
10 18	22 55.05	− 6 14.0	1.610	2.442	15.9	20.1

106645 2000 WV_{134} 9 11.3 177°.54 2°.1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.02	− 9 49.8	2.173	3.052	11.3	19.4
8 19	23 36.52	−10 15.9	2.107	3.052	8.1	19.2
8 29	23 29.39	−10 45.8	2.065	3.053	4.8	19.0
9 8	23 21.25	−11 15.0	2.050	3.053	2.2	18.8
9 18	23 12.86	−11 38.8	2.063	3.053	4.0	19.0
9 28	23 5.09	−11 53.4	2.105	3.053	7.3	19.2
10 8	22 58.67	−11 56.4	2.172	3.053	10.5	19.4
10 18	22 54.11	−11 46.6	2.262	3.053	13.3	19.6

148398 2000 UY_{61} 9 11.3 303°.41 4°.3/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.71	+10 36.5	2.043	2.862	14.2	20.0
8 19	23 33.63	+10 28.7	1.957	2.853	11.4	19.8
8 29	23 27.82	+10 0.9	1.893	2.845	8.3	19.6
9 8	23 20.88	+ 9 14.5	1.853	2.837	5.4	19.4
9 18	23 13.55	+ 8 12.7	1.839	2.829	4.4	19.4
9 28	23 6.70	+ 7 1.4	1.853	2.821	6.5	19.5
10 8	23 1.15	+ 5 47.8	1.893	2.813	9.7	19.7
10 18	22 57.47	+ 4 38.6	1.957	2.806	12.8	19.9

144318 2004 DL_{18} 9 11.3 223°.74 3°.2/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.29	+ 6 16.3	1.844	2.679	14.8	21.0
8 19	23 37.89	+ 6 8.5	1.758	2.671	11.6	20.8
8 29	23 30.42	+ 5 42.2	1.695	2.662	7.9	20.5
9 8	23 21.55	+ 4 59.4	1.657	2.652	4.3	20.3
9 18	23 12.18	+ 4 4.1	1.646	2.642	3.7	20.2
9 28	23 3.38	+ 3 2.8	1.663	2.631	7.0	20.4
10 8	22 56.11	+ 2 2.6	1.706	2.620	10.9	20.6
10 18	22 51.07	+ 1 9.8	1.772	2.608	14.5	20.8

22500 1997 OJ 9 11.3 46°.30 0°.6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.23	− 4 11.9	1.938	2.815	12.5	17.8
8 19	23 34.56	− 4 44.8	1.885	2.829	9.1	17.6
8 29	23 28.24	− 5 26.7	1.855	2.843	5.2	17.4
9 8	23 20.95	− 6 12.6	1.851	2.857	1.3	17.2
9 18	23 13.50	− 6 57.2	1.875	2.872	3.1	17.4
9 28	23 6.75	− 7 35.3	1.926	2.887	6.9	17.6
10 8	23 1.43	− 8 2.9	2.003	2.902	10.4	17.9
10 18	22 58.01	− 8 17.7	2.103	2.918	13.3	18.1

230764 2003 XW_{12} 9 11.3 235°.42 16°.9/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.61	−40 16.2	1.315	2.186	17.6	19.7
8 19	23 41.79	−43 52.3	1.296	2.179	16.9	19.7
8 29	23 33.35	−46 59.3	1.298	2.172	17.4	19.7
9 8	23 22.36	−49 20.0	1.321	2.164	18.8	19.7
9 18	23 10.56	−50 44.7	1.361	2.155	20.7	19.9
9 28	23 0.08	−51 12.2	1.416	2.146	22.7	20.0
10 8	22 52.62	−50 48.7	1.483	2.137	24.5	20.1
10 18	22 49.09	−49 43.7	1.558	2.128	26.0	20.3

122756 2000 SR_{63} 9 11.3 317°.62 0°.9/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.28	+ 0 16.4	1.471	2.348	15.7	19.7
8 19	23 35.32	− 0 10.2	1.394	2.336	11.8	19.5
8 29	23 29.06	− 0 54.4	1.339	2.324	7.2	19.2
9 8	23 21.23	− 1 51.6	1.308	2.313	2.3	18.9
9 18	23 12.86	− 2 55.1	1.302	2.302	3.3	18.9
9 28	23 5.18	− 3 56.6	1.322	2.291	8.3	19.2
10 8	22 59.26	− 4 48.1	1.365	2.281	12.9	19.4
10 18	22 55.86	− 5 24.3	1.429	2.272	16.9	19.7

80888 2000 DT_{42} 9 11.3 226°.32 1°.2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.75	− 4 57.4	2.092	2.966	11.8	19.8
8 19	23 35.01	− 5 50.6	2.016	2.960	8.6	19.6
8 29	23 28.59	− 6 53.3	1.965	2.953	4.9	19.3
9 8	23 21.07	− 8 0.4	1.940	2.946	1.5	19.1
9 18	23 13.22	− 9 5.7	1.945	2.939	3.5	19.2
9 28	23 5.90	−10 3.1	1.977	2.931	7.3	19.4
10 8	22 59.88	−10 47.9	2.035	2.923	10.8	19.6
10 18	22 55.72	−11 17.3	2.116	2.915	13.8	19.8

343680 2010 UD_2 9 11.3 183°.26 2°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 31.51	+14 30.0	5.215	5.974	6.9	21.2
8 19	23 28.20	+14 20.8	5.123	5.973	5.7	21.1
8 29	23 24.27	+14 2.5	5.055	5.973	4.4	21.0
9 8	23 19.96	+13 35.9	5.014	5.973	3.2	20.9
9 18	23 15.53	+13 2.2	5.001	5.972	2.7	20.9
9 28	23 11.30	+12 23.0	5.018	5.971	3.2	20.9
10 8	23 7.53	+11 40.8	5.064	5.971	4.4	21.0
10 18	23 4.47	+10 57.8	5.137	5.970	5.7	21.1

365324 2009 SG_{125} 9 11.3 353°.53 3°.4/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.72	+ 8 18.5	2.078	2.909	13.6	20.6
8 19	23 32.81	+ 8 1.5	2.000	2.907	10.7	20.4
8 29	23 27.30	+ 7 26.2	1.944	2.905	7.5	20.2
9 8	23 20.75	+ 6 35.0	1.913	2.904	4.4	20.0
9 18	23 13.90	+ 5 31.7	1.909	2.903	3.6	20.0
9 28	23 7.56	+ 4 22.4	1.932	2.902	6.1	20.1
10 8	23 2.48	+ 3 13.7	1.982	2.902	9.3	20.3
10 18	22 59.18	+ 2 11.5	2.056	2.902	12.4	20.5

97128 1999 VH_{108} 9 11.3 144°.20 4°.7/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.33	+12 40.9	2.121	2.921	14.4	20.4
8 19	23 35.40	+12 31.1	2.046	2.928	11.6	20.2
8 29	23 28.79	+12 0.7	1.992	2.935	8.6	20.0
9 8	23 21.13	+11 11.0	1.963	2.941	5.8	19.9
9 18	23 13.18	+10 5.6	1.962	2.947	4.7	19.8
9 28	23 5.81	+ 8 50.2	1.988	2.952	6.5	19.9
10 8	22 59.79	+ 7 32.2	2.041	2.957	9.3	20.1
10 18	22 55.63	+ 6 18.1	2.119	2.962	12.2	20.3

189616 2001 BQ_{17} 9 11.3 256°.91 0°.1/11.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 32.95	− 2 24.2	4.433	5.284	6.5	20.4
8 19	23 29.32	− 2 42.3	4.347	5.278	4.8	20.3
8 29	23 24.95	− 3 5.0	4.289	5.271	2.8	20.2
9 8	23 20.14	− 3 30.7	4.259	5.264	0.8	20.0
9 18	23 15.20	− 3 57.3	4.259	5.258	1.4	20.0
9 28	23 10.47	− 4 22.8	4.290	5.251	3.4	20.2
10 8	23 6.30	− 4 45.2	4.349	5.244	5.3	20.3
10 18	23 2.93	− 5 2.9	4.434	5.237	7.0	20.4

219507 2001 HT_{64} 9 11.3 38°.17 3°.7/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.95	+ 5 49.6	1.076	1.952	20.3	19.0
8 19	23 36.70	+ 5 41.7	1.037	1.972	15.6	18.8
8 29	23 29.81	+ 5 7.1	1.017	1.994	10.3	18.6
9 8	23 21.39	+ 4 10.6	1.017	2.016	5.2	18.4
9 18	23 12.81	+ 3 0.6	1.041	2.040	4.4	18.4
9 28	23 5.51	+ 1 48.0	1.088	2.064	8.7	18.8
10 8	23 0.59	+ 0 43.2	1.157	2.088	13.4	19.1
10 18	22 58.57	− 0 6.9	1.247	2.114	17.4	19.4

445499 2010 VL_{205} 9 11.3 44°.55 1°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.82	− 6 58.7	1.937	2.814	12.5	20.6
8 19	23 37.22	− 7 10.4	1.876	2.821	9.1	20.4
8 29	23 29.84	− 7 28.2	1.839	2.828	5.2	20.2
9 8	23 21.40	− 7 47.7	1.829	2.835	1.5	20.0
9 18	23 12.74	− 8 4.7	1.847	2.842	3.4	20.1
9 28	23 4.81	− 8 15.0	1.892	2.850	7.3	20.4
10 8	22 58.40	− 8 15.9	1.963	2.858	10.8	20.6
10 18	22 54.04	− 8 5.7	2.056	2.866	13.7	20.8

318983 2005 UF_{345} 9 11.3 249°.84 2°.2/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.19	− 8 56.7	2.270	3.151	10.8	21.5
8 19	23 34.49	− 9 43.7	2.197	3.144	7.8	21.3
8 29	23 28.24	−10 36.0	2.149	3.138	4.5	21.0
9 8	23 21.01	−11 28.7	2.128	3.131	2.2	20.9
9 18	23 13.49	−12 16.5	2.136	3.124	4.0	21.0
9 28	23 6.46	−12 54.7	2.172	3.117	7.3	21.2
10 8	23 0.65	−13 19.8	2.233	3.110	10.4	21.4
10 18	22 56.56	−13 30.3	2.317	3.103	13.1	21.5

75528 1999 XC_{214} 9 11.3 82°.26 5°.9/ 5.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.87	−16 57.7	1.753	2.650	12.6	18.4
8 19	23 35.96	−18 34.9	1.714	2.664	9.3	18.2
8 29	23 29.15	−20 10.6	1.699	2.678	6.6	18.1
9 8	23 21.23	−21 35.5	1.710	2.692	6.0	18.1
9 18	23 13.13	−22 41.9	1.748	2.706	8.0	18.2
9 28	23 5.88	−23 24.6	1.812	2.720	10.9	18.4
10 8	23 0.30	−23 42.4	1.897	2.734	13.8	18.7
10 18	22 56.91	−23 36.5	2.002	2.747	16.2	18.9

511927 2015 HM_{152} 9 11.3 42°.51 4°.2/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.03	+ 6 49.2	1.431	2.283	17.5	20.5
8 19	23 37.14	+ 7 0.7	1.377	2.296	13.7	20.3
8 29	23 29.99	+ 6 50.5	1.342	2.310	9.4	20.1
9 8	23 21.46	+ 6 20.7	1.331	2.325	5.4	19.9
9 18	23 12.65	+ 5 36.2	1.345	2.340	4.5	19.9
9 28	23 4.80	+ 4 44.2	1.384	2.355	7.8	20.1
10 8	22 58.88	+ 3 52.9	1.447	2.371	11.8	20.4
10 18	22 55.51	+ 3 9.1	1.532	2.387	15.3	20.7

324265 2006 BO_{243} 9 11.3 269°.25 0°.8/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.89	− 5 20.9	2.334	3.205	10.9	21.6
8 19	23 34.99	− 5 45.8	2.253	3.194	8.0	21.3
8 29	23 28.54	− 6 17.9	2.195	3.183	4.6	21.1
9 8	23 21.09	− 6 53.3	2.166	3.172	1.2	20.9
9 18	23 13.32	− 7 28.0	2.164	3.160	2.9	21.0
9 28	23 6.01	− 7 57.5	2.192	3.149	6.4	21.2
10 8	22 59.86	− 8 18.2	2.245	3.138	9.7	21.4
10 18	22 55.41	− 8 28.0	2.322	3.126	12.5	21.5

355526 2008 AK_{75} 9 11.3 307°.97 0°.6/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.37	− 2 50.0	1.799	2.676	13.3	21.2
8 19	23 34.27	− 3 35.9	1.722	2.667	9.7	20.9
8 29	23 28.28	− 4 34.5	1.669	2.657	5.7	20.7
9 8	23 21.05	− 5 40.6	1.641	2.648	1.4	20.4
9 18	23 13.41	− 6 47.6	1.641	2.638	3.3	20.5
9 28	23 6.35	− 7 48.2	1.667	2.629	7.7	20.8
10 8	23 0.74	− 8 36.7	1.719	2.621	11.6	21.0
10 18	22 57.21	− 9 9.2	1.792	2.612	15.0	21.2

231933 2001 DO_{100} 9 11.3 78°.27 3°.8/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.11	+ 6 11.6	1.775	2.609	15.4	19.9
8 19	23 39.71	+ 6 35.1	1.719	2.628	12.0	19.7
8 29	23 31.33	+ 6 41.6	1.685	2.648	8.2	19.5
9 8	23 21.78	+ 6 32.5	1.676	2.668	4.8	19.4
9 18	23 12.03	+ 6 10.8	1.695	2.688	4.1	19.4
9 28	23 3.15	+ 5 41.7	1.740	2.707	7.0	19.6
10 8	22 56.02	+ 5 11.1	1.812	2.726	10.4	19.8
10 18	22 51.18	+ 4 44.0	1.907	2.745	13.5	20.1

504677 2009 DJ_{37} 9 11.3 193°.07 1°.5/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.44	+ 0 33.3	1.489	2.354	16.3	21.7
8 19	23 40.48	+ 0 28.2	1.420	2.353	12.3	21.5
8 29	23 32.06	+ 0 7.3	1.371	2.352	7.6	21.2
9 8	23 22.02	− 0 25.8	1.347	2.351	2.8	20.9
9 18	23 11.49	− 1 5.7	1.349	2.349	3.3	20.9
9 28	23 1.81	− 1 45.6	1.378	2.347	8.2	21.2
10 8	22 54.12	− 2 18.7	1.432	2.344	12.8	21.5
10 18	22 49.14	− 2 40.6	1.506	2.341	16.7	21.7

325668 2009 SF_{364} 9 11.3 154°.73 1°.4/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.96	− 7 2.0	2.594	3.468	9.8	21.0
8 19	23 33.37	− 7 49.3	2.527	3.471	7.1	20.8
8 29	23 27.49	− 8 42.3	2.486	3.474	4.1	20.7
9 8	23 20.81	− 9 36.6	2.473	3.478	1.5	20.5
9 18	23 13.94	−10 27.8	2.489	3.480	3.2	20.6
9 28	23 7.53	−11 11.5	2.534	3.483	6.2	20.8
10 8	23 2.17	−11 44.5	2.606	3.486	9.0	21.0
10 18	22 58.29	−12 4.9	2.701	3.488	11.4	21.2

491054 2011 QE_{60} 9 11.3 334°.17 3°.8/14.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.70	+ 4 34.7	1.342	2.213	17.3	20.9
8 19	23 34.46	+ 4 53.8	1.259	2.191	13.6	20.6
8 29	23 28.74	+ 4 52.9	1.195	2.171	9.3	20.3
9 8	23 21.24	+ 4 32.9	1.153	2.151	5.1	20.0
9 18	23 12.99	+ 3 57.3	1.135	2.133	4.4	19.9
9 28	23 5.36	+ 3 13.2	1.141	2.116	8.6	20.1
10 8	22 59.59	+ 2 28.8	1.169	2.100	13.3	20.3
10 18	22 56.55	+ 1 51.8	1.218	2.086	17.6	20.5

445452 2010 UL_{107} 9 11.3 78°.74 3°.9/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.57	+ 9 21.0	2.140	2.958	13.7	20.4
8 19	23 34.82	+ 9 21.4	2.067	2.964	10.9	20.2
8 29	23 28.46	+ 9 4.3	2.017	2.971	7.8	20.0
9 8	23 21.08	+ 8 31.2	1.992	2.977	4.9	19.9
9 18	23 13.43	+ 7 45.3	1.994	2.984	4.0	19.8
9 28	23 6.34	+ 6 51.7	2.023	2.990	6.1	20.0
10 8	23 0.54	+ 5 56.3	2.080	2.996	9.1	20.2
10 18	22 56.56	+ 5 4.8	2.160	3.003	12.0	20.4

141884 2002 PT_{52} 9 11.3 266°.39 0°.6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.24	− 2 2.8	1.489	2.364	15.7	19.7
8 19	23 39.65	− 2 7.8	1.417	2.357	11.7	19.4
8 29	23 31.61	− 2 25.7	1.366	2.351	7.1	19.2
9 8	23 21.92	− 2 52.7	1.339	2.345	2.0	18.8
9 18	23 11.71	− 3 23.4	1.339	2.339	3.4	18.9
9 28	23 2.30	− 3 51.4	1.365	2.332	8.4	19.2
10 8	22 54.84	− 4 11.0	1.415	2.326	13.0	19.4
10 18	22 50.05	− 4 18.6	1.486	2.320	16.9	19.7

49067 1998 RP_{53} 9 11.3 132°.26 2°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.08	+ 5 11.2	1.761	2.606	15.0	19.3
8 19	23 36.87	+ 4 32.4	1.697	2.617	11.5	19.1
8 29	23 29.74	+ 3 34.4	1.654	2.628	7.4	18.9
9 8	23 21.41	+ 2 21.4	1.638	2.638	3.4	18.7
9 18	23 12.81	+ 0 59.9	1.648	2.647	3.0	18.7
9 28	23 4.96	− 0 22.1	1.687	2.656	6.9	19.0
10 8	22 58.73	− 1 36.9	1.752	2.664	10.8	19.2
10 18	22 54.68	− 2 39.0	1.839	2.672	14.2	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
344727 2003 UB_{119}			9 11.3 279°.46		6°.2/18.9 18	
	h m	° ′			°	m
8 9	23 37.28	+18 4.9	1.865	2.647	16.7	20.4
8 19	23 33.50	+17 30.8	1.779	2.643	14.0	20.2
8 29	23 27.84	+16 26.9	1.712	2.638	10.8	20.0
9 8	23 20.96	+14 54.2	1.668	2.634	7.8	19.8
9 18	23 13.67	+12 57.0	1.650	2.629	6.2	19.7
9 28	23 6.97	+10 43.9	1.660	2.625	7.4	19.7
10 8	23 1.71	+ 8 26.1	1.696	2.620	10.4	19.9
10 18	22 58.52	+ 6 14.3	1.758	2.616	13.6	20.1
38574 1999 WS_{4}			9 11.3 250°.77		1°.3/13.9 18	
8 9	23 32.84	+ 3 55.3	4.566	5.390	6.8	19.2
8 19	23 29.24	+ 3 45.0	4.475	5.383	5.2	19.0
8 29	23 24.94	+ 3 27.9	4.410	5.376	3.4	18.9
9 8	23 20.19	+ 3 5.5	4.373	5.370	1.8	18.8
9 18	23 15.30	+ 2 39.2	4.366	5.363	1.5	18.7
9 28	23 10.61	+ 2 11.2	4.389	5.356	3.1	18.9
10 8	23 6.45	+ 1 43.6	4.441	5.348	4.9	19.0
10 18	23 3.09	+ 1 18.4	4.520	5.341	6.6	19.1
513800 2013 CK_{103}			9 11.3 297°.77		4°.0/ 7.1 18	
8 9	23 38.64	−11 32.8	1.780	2.676	12.5	20.5
8 19	23 34.56	−12 51.0	1.707	2.661	9.1	20.3
8 29	23 28.51	−14 15.7	1.658	2.647	5.7	20.1
9 8	23 21.14	−15 38.8	1.635	2.632	4.0	19.9
9 18	23 13.34	−16 52.1	1.639	2.618	6.3	20.0
9 28	23 6.11	−17 48.3	1.669	2.604	9.9	20.2
10 8	23 0.39	−18 23.1	1.722	2.590	13.5	20.4
10 18	22 56.83	−18 35.1	1.796	2.576	16.6	20.6
172796 2004 FP_{91}			9 11.3 240°.72		1°.8/ 9.5 18	
8 9	23 41.40	− 7 58.2	2.066	2.944	11.8	20.7
8 19	23 36.25	− 8 34.7	1.993	2.938	8.5	20.5
8 29	23 29.35	− 9 17.4	1.944	2.932	5.0	20.3
9 8	23 21.34	−10 1.4	1.922	2.926	1.9	20.1
9 18	23 13.00	−10 41.3	1.928	2.920	3.9	20.2
9 28	23 5.24	−11 12.2	1.962	2.913	7.6	20.4
10 8	22 58.84	−11 30.4	2.021	2.906	11.0	20.6
10 18	22 54.38	−11 34.5	2.103	2.899	13.9	20.8
495844 2002 AD_{183}			9 11.3 97°.41		15°.0/26.0 17	
8 9	23 42.72	−30 3.5	1.093	2.002	17.5	19.7
8 19	23 38.73	−33 50.4	1.074	2.006	15.4	19.6
8 29	23 31.40	−37 15.4	1.076	2.010	15.0	19.6
9 8	23 21.91	−39 57.8	1.100	2.014	16.4	19.7
9 18	23 11.91	−41 44.7	1.145	2.018	18.9	19.9
9 28	23 3.31	−42 33.0	1.206	2.021	21.5	20.1
10 8	22 57.57	−42 28.5	1.281	2.025	23.9	20.3
10 18	22 55.40	−41 40.8	1.367	2.029	25.8	20.5
288259 2003 YL_{137}			9 11.3 319°.91		4°.5/ 6.9 18	
8 9	23 40.41	−13 38.4	1.741	2.637	12.7	20.3
8 19	23 35.79	−14 44.4	1.680	2.633	9.3	20.0
8 29	23 29.19	−15 53.3	1.642	2.628	6.0	19.8
9 8	23 21.31	−16 57.4	1.630	2.624	4.5	19.7
9 18	23 13.10	−17 49.0	1.644	2.620	6.6	19.9
9 28	23 5.60	−18 22.5	1.684	2.616	10.1	20.1
10 8	22 59.72	−18 35.0	1.748	2.612	13.4	20.3
10 18	22 56.07	−18 26.5	1.831	2.609	16.4	20.5
485348 2011 CU_{35}			9 11.3 302°.56		4°.2/ 6.3 18	
8 9	23 37.51	−13 35.7	2.082	2.975	11.0	21.0
8 19	23 33.53	−14 51.6	2.003	2.955	8.1	20.8
8 29	23 27.83	−16 11.6	1.950	2.935	5.3	20.6
9 8	23 20.98	−17 28.6	1.923	2.916	4.2	20.5
9 18	23 13.72	−18 35.7	1.924	2.896	6.2	20.6
9 28	23 6.92	−19 26.8	1.951	2.876	9.3	20.8
10 8	23 1.39	−19 58.1	2.003	2.857	12.4	20.9
10 18	22 57.74	−20 8.7	2.075	2.838	15.2	21.1
72538 2001 DR_{102}			9 11.3 275°.79		4°.4/ 7.9 18	
8 9	23 44.72	−12 25.3	1.450	2.346	14.8	19.5
8 19	23 39.43	−13 17.9	1.379	2.333	10.9	19.2
8 29	23 31.56	−14 15.7	1.330	2.319	6.8	19.0
9 8	23 21.95	−15 9.9	1.306	2.305	4.4	18.8
9 18	23 11.77	−15 52.1	1.308	2.291	6.9	18.9
9 28	23 2.39	−16 15.2	1.334	2.276	11.2	19.1
10 8	22 55.02	−16 15.9	1.383	2.262	15.4	19.3
10 18	22 50.45	−15 54.3	1.451	2.248	19.0	19.5
166931 2003 HQ			9 11.3 69°.58		0°.4/11.7 17	
8 9	23 42.65	+ 0 19.8	1.210	2.094	18.0	20.1
8 19	23 37.86	− 0 28.7	1.162	2.108	13.3	19.8
8 29	23 30.53	− 1 37.1	1.134	2.121	7.9	19.6
9 8	23 21.65	− 2 57.9	1.130	2.135	2.2	19.3
9 18	23 12.51	− 4 21.2	1.150	2.150	3.7	19.4
9 28	23 4.51	− 5 36.3	1.195	2.164	9.1	19.8
10 8	22 58.74	− 6 35.2	1.263	2.178	13.9	20.1
10 18	22 55.82	− 7 13.6	1.350	2.192	17.8	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
51696 2001 KD_{17}			9 11.3 46°.10		0°.8/11.9 18	
	h m	° ′			°	m
8 9	23 39.66	+ 1 22.6	1.292	2.173	17.2	19.0
8 19	23 35.59	+ 0 30.9	1.240	2.183	12.8	18.7
8 29	23 29.17	− 0 41.4	1.208	2.194	7.7	18.5
9 8	23 21.31	− 2 7.3	1.200	2.206	2.3	18.2
9 18	23 13.16	− 3 37.1	1.218	2.218	3.4	18.3
9 28	23 6.00	− 5 0.2	1.260	2.230	8.6	18.6
10 8	23 0.85	− 6 8.1	1.325	2.242	13.2	18.9
10 18	22 58.31	− 6 56.0	1.412	2.255	17.1	19.2
195249 2002 EX_{42}			9 11.3 227°.71		1°.0/12.3 18	
8 9	23 42.85	+ 0 31.0	2.092	2.944	12.7	21.4
8 19	23 37.36	+ 0 11.7	2.006	2.934	9.6	21.2
8 29	23 30.06	− 0 20.0	1.943	2.923	5.9	20.9
9 8	23 21.55	− 1 1.2	1.907	2.911	2.1	20.7
9 18	23 12.61	− 1 47.4	1.900	2.899	2.6	20.7
9 28	23 4.17	− 2 33.2	1.921	2.887	6.5	20.9
10 8	22 57.07	− 3 13.4	1.969	2.874	10.2	21.1
10 18	22 51.92	− 3 44.0	2.041	2.860	13.5	21.3
52071 2002 QX_{41}			9 11.3 313°.95		1°.1/10.1 18	
8 9	23 38.13	− 5 44.8	2.149	3.027	11.4	19.0
8 19	23 33.84	− 6 19.3	2.070	3.015	8.3	18.8
8 29	23 27.95	− 7 1.8	2.015	3.004	4.8	18.5
9 8	23 21.01	− 7 47.8	1.987	2.993	1.4	18.3
9 18	23 13.73	− 8 32.3	1.987	2.982	3.3	18.4
9 28	23 6.94	− 9 10.2	2.015	2.972	7.0	18.6
10 8	23 1.37	− 9 37.5	2.068	2.962	10.4	18.8
10 18	22 57.58	− 9 51.6	2.144	2.952	13.3	19.0
485190 2010 TE_{65}			9 11.3 349°.34		1°.5/10.1 18	
8 9	23 42.32	− 7 49.9	1.783	2.667	13.1	20.4
8 19	23 37.11	− 8 0.8	1.715	2.663	9.5	20.1
8 29	23 29.94	− 8 17.6	1.670	2.660	5.5	19.9
9 8	23 21.51	− 8 35.8	1.651	2.657	1.8	19.6
9 18	23 12.75	− 8 50.5	1.659	2.654	3.8	19.8
9 28	23 4.71	− 8 57.5	1.694	2.652	7.9	20.0
10 8	22 58.27	− 8 53.5	1.753	2.651	11.7	20.3
10 18	22 54.02	− 8 37.4	1.835	2.649	14.9	20.5
339243 2004 VL_{19}			9 11.3 337°.52		9°.4/ 4.2 18	
8 9	23 39.98	−21 45.6	1.148	2.065	16.1	19.4
8 19	23 36.50	−22 59.2	1.089	2.046	12.7	19.2
8 29	23 30.05	−24 7.5	1.050	2.028	10.0	19.0
9 8	23 21.60	−24 57.7	1.033	2.011	9.7	18.9
9 18	23 12.54	−25 19.0	1.037	1.995	12.1	19.0
9 28	23 4.51	−25 5.3	1.061	1.981	15.8	19.2
10 8	22 58.89	−24 16.7	1.104	1.969	19.6	19.4
10 18	22 56.48	−22 57.8	1.163	1.958	23.0	19.6
513382 2008 GU_{27}			9 11.3 151°.35		1°.4/13.2 18	
8 9	23 37.92	+ 4 12.8	2.556	3.392	11.2	22.7
8 19	23 33.38	+ 3 22.4	2.482	3.399	8.4	22.5
8 29	23 27.53	+ 2 18.4	2.433	3.406	5.4	22.3
9 8	23 20.88	+ 1 4.5	2.411	3.412	2.3	22.1
9 18	23 14.03	− 0 14.8	2.419	3.418	2.1	22.1
9 28	23 7.63	− 1 33.6	2.457	3.423	5.2	22.4
10 8	23 2.28	− 2 46.8	2.523	3.429	8.2	22.6
10 18	22 58.43	− 3 50.1	2.614	3.433	10.9	22.7
195371 2002 FS_{31}			9 11.3 135°.96		2°.8/ 8.5 18	
8 9	23 43.85	−10 37.1	1.996	2.877	12.0	21.4
8 19	23 37.95	−11 24.3	1.940	2.887	8.7	21.2
8 29	23 30.29	−12 15.3	1.909	2.897	5.2	21.0
9 8	23 21.58	−13 4.0	1.905	2.906	2.8	20.9
9 18	23 12.68	−13 44.8	1.930	2.915	4.8	21.1
9 28	23 4.52	−14 13.0	1.982	2.923	8.2	21.3
10 8	22 57.89	−14 26.1	2.059	2.931	11.4	21.5
10 18	22 53.30	−14 23.3	2.158	2.939	14.1	21.7
293989 2007 TT_{74}			9 11.3 303°.43		2°.3/13.4 18	
8 9	23 39.04	+ 3 51.1	1.700	2.558	14.9	20.3
8 19	23 34.99	+ 3 34.4	1.612	2.540	11.5	20.1
8 29	23 28.86	+ 2 59.4	1.546	2.522	7.5	19.8
9 8	23 21.29	+ 2 8.6	1.504	2.505	3.5	19.5
9 18	23 13.16	+ 1 7.1	1.489	2.488	3.2	19.5
9 28	23 5.54	+ 0 2.0	1.500	2.471	7.3	19.7
10 8	22 59.45	− 0 58.9	1.536	2.454	11.6	19.9
10 18	22 55.61	− 1 49.3	1.593	2.438	15.4	20.1
451336 2010 VN_{119}			9 11.3 186°.60		4°.2/16.8 18	
8 9	23 37.89	+12 35.0	2.566	3.359	12.4	21.6
8 19	23 33.45	+12 24.6	2.481	3.359	10.0	21.5
8 29	23 27.63	+11 56.9	2.419	3.358	7.5	21.3
9 8	23 20.92	+11 13.0	2.382	3.357	5.1	21.1
9 18	23 13.95	+10 15.8	2.373	3.357	4.2	21.1
9 28	23 7.41	+ 9 9.7	2.392	3.355	5.6	21.2
10 8	23 1.91	+ 8 0.4	2.440	3.354	8.1	21.3
10 18	22 57.94	+ 6 53.3	2.512	3.353	10.6	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
246222 2007 RL_{203}			9 11.3 18°.92		0°.5/11.7 18	R
	h m	° ′			°	m
8 9	23 39.64	− 0 41.4	1.572	2.449	14.9	20.4
8 19	23 35.33	− 1 12.6	1.509	2.451	11.1	20.1
8 29	23 28.96	− 1 58.8	1.468	2.454	6.6	19.9
9 8	23 21.28	− 2 54.8	1.452	2.458	1.9	19.6
9 18	23 13.28	− 3 54.0	1.462	2.461	3.1	19.7
9 28	23 6.04	− 4 49.0	1.498	2.466	7.7	20.0
10 8	23 0.50	− 5 33.4	1.558	2.470	11.9	20.2
10 18	22 57.26	− 6 3.1	1.640	2.475	15.5	20.5
47743 2000 DH_{74}			9 11.3 272°.84		1°.0/12.1 18	
8 9	23 44.74	− 1 20.6	1.920	2.779	13.4	18.6
8 19	23 38.90	− 1 12.5	1.835	2.767	10.1	18.4
8 29	23 31.04	− 1 14.5	1.774	2.755	6.2	18.1
9 8	23 21.83	− 1 24.2	1.738	2.743	2.1	17.8
9 18	23 12.14	− 1 38.1	1.731	2.731	2.8	17.9
9 28	23 3.00	− 1 52.0	1.752	2.718	7.0	18.1
10 8	22 55.37	− 2 1.6	1.799	2.706	10.9	18.3
10 18	22 49.91	− 2 3.8	1.869	2.694	14.3	18.5
522943 2016 PY_{112}			9 11.3 176°.40		3°.1/ 8.1 18	
8 9	23 42.47	−11 27.5	2.032	2.916	11.7	21.5
8 19	23 37.01	−12 18.9	1.969	2.917	8.5	21.3
8 29	23 29.79	−13 13.8	1.931	2.918	5.1	21.1
9 8	23 21.48	−14 6.1	1.920	2.919	3.1	21.0
9 18	23 12.91	−14 50.1	1.936	2.919	5.1	21.1
9 28	23 4.99	−15 20.8	1.981	2.919	8.4	21.3
10 8	22 58.52	−15 35.5	2.050	2.919	11.6	21.5
10 18	22 54.05	−15 33.5	2.141	2.918	14.3	21.7
413731 2006 BF_{155}			9 11.3 307°.99		3°.3/ 8.9 17	
8 9	23 41.29	− 7 33.2	1.168	2.074	16.9	20.8
8 19	23 37.30	− 8 38.0	1.104	2.063	12.3	20.5
8 29	23 30.48	− 9 56.3	1.060	2.052	7.2	20.2
9 8	23 21.73	−11 18.4	1.038	2.042	3.3	20.0
9 18	23 12.35	−12 32.9	1.041	2.032	6.4	20.1
9 28	23 3.89	−13 29.1	1.067	2.023	11.7	20.4
10 8	22 57.70	−14 0.5	1.113	2.014	16.6	20.6
10 18	22 54.59	−14 5.2	1.178	2.005	20.8	20.9
66165 1998 VF_{10}			9 11.3 276°.97		1°.4/10.1 18	
8 9	23 41.22	− 4 29.8	1.592	2.475	14.4	19.6
8 19	23 36.73	− 5 23.2	1.509	2.457	10.6	19.3
8 29	23 29.95	− 6 30.4	1.449	2.438	6.2	19.0
9 8	23 21.59	− 7 45.2	1.413	2.419	1.8	18.7
9 18	23 12.61	− 8 59.3	1.405	2.400	4.3	18.8
9 28	23 4.21	−10 4.2	1.422	2.381	9.1	19.1
10 8	22 57.50	−10 53.0	1.464	2.361	13.6	19.3
10 18	22 53.25	−11 21.9	1.526	2.342	17.4	19.5
348405 2005 JT_{59}			9 11.3 225°.52		3°.7/15.8 18	
8 9	23 38.79	+10 33.5	2.183	2.995	13.6	21.1
8 19	23 34.35	+10 6.8	2.095	2.989	10.9	20.9
8 29	23 28.27	+ 9 20.1	2.029	2.982	7.8	20.7
9 8	23 21.12	+ 8 15.3	1.988	2.975	4.8	20.5
9 18	23 13.60	+ 6 56.6	1.975	2.967	3.8	20.4
9 28	23 6.55	+ 5 30.0	1.991	2.959	6.1	20.5
10 8	23 0.72	+ 4 3.1	2.034	2.951	9.3	20.7
10 18	22 56.69	+ 2 42.5	2.102	2.942	12.3	20.9
207551 2006 LS_{3}			9 11.3 85°.41		7°.2/ 3.9 18	
8 9	23 42.33	−21 22.3	1.776	2.671	12.6	19.9
8 19	23 37.06	−22 56.2	1.741	2.684	9.7	19.8
8 29	23 29.84	−24 24.1	1.730	2.698	7.6	19.7
9 8	23 21.49	−25 37.0	1.744	2.712	7.4	19.7
9 18	23 12.98	−26 27.9	1.785	2.726	9.2	19.8
9 28	23 5.38	−26 52.9	1.849	2.739	11.8	20.0
10 8	22 59.52	−26 52.0	1.936	2.753	14.3	20.2
10 18	22 55.91	−26 27.6	2.042	2.766	16.6	20.4
239627 2008 VW_{1}			9 11.3 286°.99		0°.8/10.8 18	
8 9	23 46.62	− 6 18.8	1.676	2.552	14.2	20.7
8 19	23 40.48	− 6 16.6	1.599	2.543	10.4	20.4
8 29	23 32.05	− 6 21.4	1.546	2.533	6.1	20.1
9 8	23 22.10	− 6 29.1	1.518	2.524	1.6	19.8
9 18	23 11.67	− 6 35.5	1.517	2.515	3.6	19.9
9 28	23 1.97	− 6 36.0	1.544	2.505	8.2	20.2
10 8	22 54.06	− 6 27.5	1.595	2.496	12.4	20.4
10 18	22 48.65	− 6 8.0	1.669	2.487	16.0	20.7
330932 2009 SG_{213}			9 11.3 41°.61		4°.0/ 8.7 18	
8 9	23 45.47	−11 49.4	1.234	2.137	16.4	19.7
8 19	23 39.87	−12 23.8	1.193	2.149	11.9	19.5
8 29	23 31.67	−13 1.6	1.172	2.162	7.1	19.2
9 8	23 21.96	−13 34.4	1.174	2.175	4.0	19.1
9 18	23 12.10	−13 54.9	1.201	2.189	6.5	19.3
9 28	23 3.51	−13 57.9	1.252	2.204	10.9	19.6
10 8	22 57.27	−13 41.6	1.325	2.218	15.0	19.9
10 18	22 53.93	−13 7.1	1.418	2.234	18.5	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
327132 2005 EJ_{181}			9 11.3 233°.14		3°.1/ 8.9 17	
	h m	° ′			°	m
8 9	23 46.19	−10 5.0	1.585	2.472	14.3	21.2
8 19	23 40.28	−10 47.2	1.514	2.464	10.4	20.9
8 29	23 31.98	−11 35.6	1.466	2.455	6.2	20.7
9 8	23 22.09	−12 23.2	1.444	2.446	3.2	20.5
9 18	23 11.71	−13 2.6	1.448	2.436	5.5	20.6
9 28	23 2.13	−13 27.5	1.479	2.427	9.8	20.8
10 8	22 54.43	−13 34.3	1.533	2.416	13.9	21.0
10 18	22 49.36	−13 22.4	1.608	2.406	17.5	21.3
322521 2011 YK_{11}			9 11.3 158°.85		5°.2/ 3.8 18	
8 9	23 39.87	−22 13.9	2.797	3.678	9.0	21.2
8 19	23 34.76	−23 25.0	2.748	3.683	7.0	21.0
8 29	23 28.33	−24 31.8	2.726	3.689	5.5	21.0
9 8	23 21.11	−25 28.9	2.731	3.694	5.4	21.0
9 18	23 13.72	−26 12.1	2.764	3.698	6.7	21.1
9 28	23 6.84	−26 38.2	2.825	3.702	8.6	21.2
10 8	23 1.06	−26 46.4	2.909	3.706	10.5	21.3
10 18	22 56.79	−26 37.4	3.014	3.709	12.3	21.5
484883 2009 QH_{33}			9 11.3 293°.66		7°.7/17.6 17	
8 9	23 46.52	+16 54.5	2.283	3.041	14.7	20.9
8 19	23 40.23	+18 8.5	2.181	3.022	12.6	20.7
8 29	23 31.92	+19 5.8	2.101	3.004	10.3	20.6
9 8	23 22.10	+19 43.4	2.045	2.985	8.4	20.4
9 18	23 11.59	+20 0.1	2.016	2.967	7.7	20.3
9 28	23 1.36	+19 56.9	2.015	2.948	8.6	20.4
10 8	22 52.40	+19 38.1	2.040	2.930	10.6	20.5
10 18	22 45.45	+19 9.7	2.088	2.912	13.1	20.6
133193 2003 QK_{57}			9 11.3 55°.86		4°.2/ 8.3 18	
8 9	23 43.95	−10 10.4	1.161	2.066	16.9	19.3
8 19	23 38.87	−11 16.4	1.122	2.080	12.2	19.1
8 29	23 31.13	−12 28.9	1.103	2.095	7.3	18.8
9 8	23 21.84	−13 37.5	1.108	2.110	4.2	18.7
9 18	23 12.38	−14 32.1	1.137	2.125	6.9	18.9
9 28	23 4.20	−15 5.3	1.190	2.140	11.5	19.2
10 8	22 58.41	−15 14.2	1.264	2.156	15.7	19.5
10 18	22 55.57	−14 59.8	1.357	2.172	19.2	19.8
126788 2002 EH_{19}			9 11.3 145°.27		6°.2/17.3 18	
8 9	23 44.42	+14 5.8	2.002	2.791	15.5	20.0
8 19	23 38.57	+14 36.1	1.927	2.797	12.8	19.8
8 29	23 30.80	+14 45.9	1.873	2.803	9.9	19.6
9 8	23 21.78	+14 34.4	1.843	2.809	7.3	19.5
9 18	23 12.38	+14 3.3	1.840	2.814	6.2	19.5
9 28	23 3.60	+13 17.3	1.864	2.819	7.6	19.5
10 8	22 56.33	+12 22.9	1.914	2.824	10.2	19.7
10 18	22 51.18	+11 27.1	1.987	2.828	13.0	19.9
131261 2001 FU_{35}			9 11.3 143°.84		0°.1/11.2 18	
8 9	23 39.01	− 2 45.0	2.702	3.561	10.0	20.8
8 19	23 34.10	− 3 16.1	2.634	3.568	7.3	20.6
8 29	23 27.94	− 3 54.8	2.591	3.576	4.3	20.4
9 8	23 21.02	− 4 37.8	2.577	3.583	1.0	20.2
9 18	23 13.93	− 5 21.3	2.591	3.589	2.2	20.3
9 28	23 7.29	− 6 1.2	2.636	3.596	5.3	20.5
10 8	23 1.68	− 6 34.3	2.707	3.602	8.2	20.7
10 18	22 57.51	− 6 58.1	2.804	3.607	10.6	20.9
321296 2009 FD_{54}			9 11.3 19°.60		6°.0/ 7.4 17	
8 9	23 38.16	−12 25.5	0.859	1.789	18.7	19.2
8 19	23 35.23	−13 37.3	0.828	1.798	13.6	18.9
8 29	23 29.22	−14 53.4	0.815	1.809	8.5	18.7
9 8	23 21.39	−16 0.4	0.822	1.821	6.0	18.6
9 18	23 13.35	−16 46.3	0.850	1.835	9.0	18.9
9 28	23 6.79	−17 3.5	0.898	1.851	13.7	19.2
10 8	23 2.91	−16 50.5	0.964	1.868	18.2	19.5
10 18	23 2.24	−16 10.5	1.047	1.887	22.0	19.8
66830 1999 UT_{43}			9 11.3 357°.41		1°.5/10.6 18	
8 9	23 47.94	− 9 15.8	1.256	2.151	16.7	17.6
8 19	23 41.91	− 8 45.4	1.194	2.147	12.3	17.3
8 29	23 33.06	− 8 18.3	1.153	2.143	7.2	17.0
9 8	23 22.38	− 7 50.7	1.136	2.142	2.1	16.7
9 18	23 11.26	− 7 19.1	1.143	2.141	4.4	16.8
9 28	23 1.26	− 6 40.3	1.176	2.141	9.7	17.1
10 8	22 53.65	− 5 53.1	1.232	2.143	14.5	17.4
10 18	22 49.15	− 4 57.3	1.307	2.146	18.5	17.7
423393 2005 JB_{178}			9 11.3 156°.94		1°.5/ 9.9 15	
8 9	23 45.12	− 5 55.4	1.751	2.627	13.7	22.5
8 19	23 39.15	− 6 40.8	1.690	2.634	9.9	22.3
8 29	23 31.14	− 7 35.2	1.652	2.640	5.7	22.1
9 8	23 21.86	− 8 32.6	1.640	2.645	1.8	21.8
9 18	23 12.30	− 9 26.3	1.656	2.650	4.0	22.0
9 28	23 3.54	−10 9.9	1.700	2.654	8.2	22.2
10 8	22 56.50	−10 39.1	1.769	2.658	12.1	22.5
10 18	22 51.75	−10 51.9	1.860	2.661	15.3	22.7

247176 2001 BF_{82} 9 11.3 255°.62 5°.6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.73	+12 39.3	2.068	2.865	14.8	21.1
8 19	23 37.48	+13 0.4	1.970	2.849	12.2	20.9
8 29	23 30.28	+13 2.2	1.894	2.832	9.3	20.7
9 8	23 21.69	+12 44.0	1.842	2.814	6.6	20.5
9 18	23 12.53	+12 7.2	1.816	2.796	5.6	20.4
9 28	23 3.78	+11 16.2	1.818	2.778	7.3	20.5
10 8	22 56.36	+10 17.5	1.847	2.760	10.3	20.6
10 18	22 50.98	+ 9 17.9	1.899	2.741	13.4	20.8

245333 2005 ED_{144} 9 11.3 277°.14 0°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.09	+ 0 49.7	1.848	2.714	13.5	20.7
8 19	23 34.13	− 0 12.9	1.762	2.699	10.1	20.4
8 29	23 28.29	− 1 33.1	1.700	2.684	6.1	20.2
9 8	23 21.18	− 3 5.6	1.663	2.669	1.7	19.8
9 18	23 13.59	− 4 43.2	1.654	2.653	2.9	19.9
9 28	23 6.51	− 6 17.1	1.673	2.638	7.4	20.2
10 8	23 0.81	− 7 39.5	1.718	2.622	11.5	20.4
10 18	22 57.15	− 8 44.9	1.785	2.607	15.0	20.6

205618 2001 UB_{205} 9 11.3 326°.30 1°.0/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.00	− 4 47.2	1.062	1.966	18.3	20.2
8 19	23 38.09	− 5 2.5	0.995	1.952	13.6	19.9
8 29	23 31.11	− 5 32.4	0.947	1.939	8.0	19.6
9 8	23 21.96	− 6 10.7	0.920	1.926	2.0	19.2
9 18	23 12.04	− 6 49.0	0.916	1.915	4.7	19.3
9 28	23 3.08	− 7 18.2	0.934	1.904	10.9	19.6
10 8	22 56.58	− 7 31.4	0.973	1.894	16.4	19.9
10 18	22 53.44	− 7 25.2	1.030	1.886	21.1	20.2

274709 2008 UW_{101} 9 11.3 51°.39 0°.4/11.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.80	− 3 28.8	1.389	2.273	16.1	20.2
8 19	23 38.38	− 3 50.8	1.345	2.292	11.7	20.0
8 29	23 30.71	− 4 24.8	1.323	2.311	6.8	19.7
9 8	23 21.74	− 5 5.0	1.325	2.331	1.6	19.5
9 18	23 12.64	− 5 44.7	1.352	2.351	3.6	19.7
9 28	23 4.62	− 6 17.3	1.405	2.371	8.4	20.0
10 8	22 58.65	− 6 37.8	1.482	2.392	12.6	20.3
10 18	22 55.25	− 6 44.0	1.580	2.412	16.1	20.6

367040 2006 DG_{178} 9 11.3 66°.77 1°.5/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.08	− 3 58.7	1.203	2.097	17.3	20.9
8 19	23 38.23	− 4 56.1	1.157	2.109	12.6	20.7
8 29	23 30.79	− 6 8.5	1.131	2.122	7.2	20.4
9 8	23 21.79	− 7 26.7	1.128	2.134	2.0	20.1
9 18	23 12.53	− 8 40.7	1.150	2.147	4.7	20.4
9 28	23 4.43	− 9 40.9	1.197	2.160	9.9	20.7
10 8	22 58.58	−10 21.1	1.266	2.172	14.6	21.0
10 18	22 55.61	−10 39.1	1.354	2.185	18.4	21.3

139145 2001 FG_{92} 9 11.3 243°.69 4°.5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.74	−13 37.0	1.572	2.462	14.2	19.5
8 19	23 40.72	−14 22.3	1.504	2.454	10.4	19.3
8 29	23 32.25	−15 10.1	1.459	2.445	6.6	19.1
9 8	23 22.19	−15 52.6	1.439	2.436	4.5	18.9
9 18	23 11.66	−16 22.4	1.446	2.426	6.7	19.0
9 28	23 1.97	−16 34.0	1.478	2.417	10.7	19.2
10 8	22 54.24	−16 25.1	1.534	2.407	14.5	19.5
10 18	22 49.18	−15 56.2	1.609	2.396	17.9	19.7

284719 2008 TK_{186} 9 11.3 130°.69 1°.1/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.27	− 4 24.0	1.954	2.828	12.6	21.4
8 19	23 36.15	− 5 18.6	1.894	2.837	9.1	21.2
8 29	23 29.30	− 6 22.9	1.858	2.846	5.2	20.9
9 8	23 21.40	− 7 31.2	1.849	2.855	1.4	20.7
9 18	23 13.27	− 8 37.0	1.868	2.863	3.5	20.9
9 28	23 5.82	− 9 34.1	1.916	2.871	7.3	21.1
10 8	22 59.83	−10 17.9	1.989	2.879	10.9	21.4
10 18	22 55.80	−10 45.9	2.084	2.887	13.8	21.6

65179 2002 CN_{224} 9 11.3 297°.38 0°.1/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 33.13	− 2 17.9	4.148	5.001	6.9	20.0
8 19	23 29.55	− 2 37.4	4.064	4.995	5.1	19.9
8 29	23 25.19	− 3 2.1	4.006	4.988	3.0	19.7
9 8	23 20.34	− 3 30.0	3.977	4.982	0.8	19.5
9 18	23 15.35	− 3 58.9	3.977	4.976	1.4	19.6
9 28	23 10.60	− 4 26.6	4.008	4.970	3.6	19.7
10 8	23 6.43	− 4 50.9	4.067	4.964	5.6	19.9
10 18	23 3.13	− 5 10.0	4.152	4.958	7.4	20.0

344014 2011 XX_{1} 9 11.3 272°.82 1°.9/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 33.22	−13 26.6	4.342	5.219	6.1	20.8
8 19	23 29.58	−13 59.3	4.271	5.216	4.4	20.6
8 29	23 25.19	−14 32.6	4.228	5.212	2.7	20.5
9 8	23 20.35	−15 4.1	4.213	5.209	1.9	20.4
9 18	23 15.38	−15 31.3	4.229	5.205	2.9	20.5
9 28	23 10.65	−15 52.4	4.273	5.201	4.6	20.6
10 8	23 6.51	−16 5.7	4.345	5.198	6.3	20.8
10 18	23 3.23	−16 10.4	4.441	5.194	7.8	20.9

362979 2013 CR_{50} 9 11.3 172°.30 2°.5/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 38.47	− 8 7.2	2.180	3.062	11.1	20.4
8 19	23 34.05	− 9 30.7	2.115	3.064	8.0	20.2
8 29	23 28.07	−11 1.4	2.076	3.065	4.7	20.0
9 8	23 21.11	−12 32.7	2.065	3.066	2.5	19.9
9 18	23 13.89	−13 57.6	2.082	3.067	4.5	20.0
9 28	23 7.19	−15 9.8	2.128	3.067	7.8	20.2
10 8	23 1.74	−16 5.0	2.199	3.068	10.9	20.4
10 18	22 58.04	−16 41.3	2.293	3.068	13.6	20.6

160032 1998 HM_{96} 9 11.3 125°.42 4°.4/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.76	−14 38.5	1.866	2.754	12.4	20.0
8 19	23 38.04	−15 38.0	1.814	2.763	9.0	19.8
8 29	23 30.43	−16 38.1	1.788	2.772	5.9	19.6
9 8	23 21.70	−17 31.6	1.787	2.780	4.5	19.6
9 18	23 12.77	−18 12.3	1.814	2.788	6.4	19.7
9 28	23 4.65	−18 35.4	1.868	2.795	9.5	19.9
10 8	22 58.16	−18 39.4	1.945	2.803	12.6	20.1
10 18	22 53.85	−18 24.7	2.044	2.810	15.3	20.3

245084 2004 NV_{28} 9 11.3 57°.45 3°.8/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.67	+ 6 7.1	1.086	1.956	20.5	20.3
8 19	23 38.82	+ 5 56.0	1.042	1.974	15.8	20.0
8 29	23 31.20	+ 5 17.7	1.016	1.992	10.5	19.8
9 8	23 21.92	+ 4 16.5	1.012	2.011	5.3	19.6
9 18	23 12.40	+ 3 1.0	1.031	2.029	4.4	19.6
9 28	23 4.18	+ 1 42.6	1.074	2.048	9.0	19.9
10 8	22 58.42	+ 0 32.2	1.139	2.068	13.8	20.2
10 18	22 55.73	− 0 22.8	1.224	2.087	17.9	20.6

69286 von Liebig 9 11.3 314°.61 5°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.51	+11 55.8	1.567	2.398	17.2	19.4
8 19	23 33.38	+11 44.2	1.474	2.377	14.1	19.1
8 29	23 28.07	+11 5.0	1.401	2.356	10.4	18.9
9 8	23 21.19	+ 9 58.6	1.350	2.335	6.9	18.6
9 18	23 13.66	+ 8 28.9	1.324	2.315	5.4	18.5
9 28	23 6.63	+ 6 44.3	1.323	2.295	8.0	18.6
10 8	23 1.20	+ 4 56.0	1.347	2.277	12.0	18.8
10 18	22 58.17	+ 3 14.7	1.393	2.258	16.0	19.0

30334 Michaelwiner 9 11.3 173°.95 1°.4/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.77	− 6 16.9	1.764	2.640	13.6	19.1
8 19	23 38.94	− 6 48.9	1.698	2.642	9.9	18.9
8 29	23 31.06	− 7 29.2	1.655	2.644	5.7	18.7
9 8	23 21.89	− 8 12.4	1.639	2.645	1.7	18.4
9 18	23 12.40	− 8 52.5	1.650	2.645	3.9	18.6
9 28	23 3.66	− 9 23.8	1.689	2.646	8.1	18.8
10 8	22 56.60	− 9 42.3	1.753	2.646	12.0	19.1
10 18	22 51.84	− 9 46.0	1.839	2.645	15.2	19.3

127224 2002 JJ_{6} 9 11.3 174°.42 1°.6/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.58	+ 3 11.8	2.247	3.088	12.4	20.3
8 19	23 36.27	+ 2 43.7	2.171	3.091	9.4	20.2
8 29	23 29.36	+ 2 1.9	2.119	3.093	6.0	20.0
9 8	23 21.45	+ 1 9.5	2.093	3.095	2.5	19.7
9 18	23 13.26	+ 0 10.9	2.097	3.096	2.5	19.7
9 28	23 5.59	− 0 48.4	2.129	3.096	5.9	20.0
10 8	22 59.18	− 1 42.9	2.189	3.096	9.2	20.2
10 18	22 54.56	− 2 28.5	2.274	3.096	12.2	20.4

412578 2014 OG_{20} 9 11.3 348°.19 3°.2/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.57	−10 58.4	2.074	2.964	11.2	21.0
8 19	23 33.48	−12 8.6	2.011	2.962	8.1	20.8
8 29	23 27.77	−13 23.6	1.973	2.961	4.9	20.6
9 8	23 21.05	−14 36.8	1.961	2.960	3.2	20.5
9 18	23 14.06	−15 41.6	1.978	2.958	5.2	20.7
9 28	23 7.62	−16 32.4	2.021	2.957	8.4	20.9
10 8	23 2.48	−17 5.7	2.090	2.957	11.5	21.1
10 18	22 59.15	−17 20.4	2.179	2.956	14.1	21.2

408096 2012 KV_{19} 9 11.3 264°.80 2°.1/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.03	+ 5 29.5	2.529	3.361	11.4	21.3
8 19	23 32.89	+ 5 2.0	2.437	3.350	8.8	21.2
8 29	23 27.38	+ 4 20.2	2.370	3.338	5.9	21.0
9 8	23 20.96	+ 3 26.7	2.329	3.326	3.0	20.7
9 18	23 14.22	+ 2 25.1	2.317	3.315	2.5	20.7
9 28	23 7.85	+ 1 20.4	2.334	3.303	5.3	20.9
10 8	23 2.49	+ 0 17.8	2.378	3.291	8.4	21.0
10 18	22 58.64	− 0 37.9	2.448	3.278	11.1	21.2

83226 2001 RH_{34} 9 11.3 252°.15 2°.5/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.51	+ 4 35.4	2.239	3.074	12.6	19.7
8 19	23 36.37	+ 4 32.0	2.146	3.059	9.8	19.5
8 29	23 29.52	+ 4 14.7	2.076	3.045	6.5	19.3
9 8	23 21.52	+ 3 45.3	2.033	3.030	3.4	19.1
9 18	23 13.08	+ 3 6.9	2.017	3.014	3.0	19.0
9 28	23 5.06	+ 2 24.0	2.031	2.998	6.0	19.2
10 8	22 58.24	+ 1 41.9	2.071	2.982	9.5	19.4
10 18	22 53.23	+ 1 5.3	2.136	2.966	12.6	19.6

442982 2013 CP_{155} 9 11.3 301.°67 1.°6/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 38.48	− 5 39.0	1.913	2.795	12.4	21.3
8 19	23 34.28	− 6 37.1	1.842	2.790	9.0	21.1
8 29	23 28.31	− 7 45.0	1.794	2.784	5.2	20.8
9 8	23 21.20	− 8 56.8	1.773	2.779	1.8	20.6
9 18	23 13.75	−10 5.7	1.780	2.773	3.9	20.7
9 28	23 6.87	−11 5.1	1.814	2.768	7.8	21.0
10 8	23 1.38	−11 49.8	1.873	2.763	11.5	21.2
10 18	22 57.84	−12 17.2	1.954	2.758	14.6	21.4

73873 1997 BF_{1} 9 11.3 183.°48 1.°8/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.02	+ 2 46.9	1.979	2.822	13.7	20.3
8 19	23 38.99	+ 2 32.1	1.902	2.823	10.4	20.1
8 29	23 31.06	+ 2 2.8	1.849	2.823	6.7	19.9
9 8	23 21.90	+ 1 21.8	1.821	2.822	2.9	19.7
9 18	23 12.38	+ 0 33.6	1.822	2.821	2.8	19.6
9 28	23 3.47	− 0 16.1	1.852	2.819	6.6	19.9
10 8	22 56.05	− 1 1.5	1.909	2.816	10.4	20.1
10 18	22 50.74	− 1 38.0	1.989	2.812	13.6	20.3

169742 2002 OZ_{11} 9 11.3 15.°70 2.°8/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 35.81	+ 8 2.8	1.531	2.383	16.5	19.5
8 19	23 32.64	+ 7 3.6	1.464	2.386	12.8	19.3
8 29	23 27.46	+ 5 38.2	1.418	2.389	8.6	19.0
9 8	23 21.00	+ 3 51.6	1.395	2.393	4.3	18.8
9 18	23 14.19	+ 1 52.3	1.399	2.398	3.4	18.8
9 28	23 8.10	− 0 8.5	1.429	2.403	7.3	19.0
10 8	23 3.64	− 1 59.9	1.485	2.409	11.5	19.3
10 18	23 1.42	− 3 33.7	1.563	2.415	15.3	19.5

169438 2002 AA_{97} 9 11.3 201.°90 2.°5/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.62	+ 3 5.5	1.520	2.376	16.4	20.4
8 19	23 39.94	+ 3 3.5	1.447	2.374	12.6	20.1
8 29	23 31.84	+ 2 43.5	1.396	2.372	8.2	19.9
9 8	23 22.14	+ 2 8.3	1.369	2.370	3.7	19.6
9 18	23 11.92	+ 1 22.9	1.368	2.367	3.5	19.6
9 28	23 2.50	+ 0 34.3	1.393	2.363	8.0	19.8
10 8	22 54.98	− 0 10.0	1.444	2.360	12.4	20.1
10 18	22 50.11	− 0 44.4	1.516	2.356	16.3	20.3

253608 2003 UJ_{35} 9 11.3 310.°66 2.°2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.65	+ 2 18.6	1.257	2.136	17.8	20.7
8 19	23 36.81	+ 2 8.8	1.180	2.119	13.7	20.4
8 29	23 30.26	+ 1 37.7	1.121	2.104	8.8	20.1
9 8	23 21.79	+ 0 48.4	1.085	2.088	3.6	19.7
9 18	23 12.56	− 0 12.6	1.073	2.073	3.7	19.7
9 28	23 4.04	− 1 16.1	1.085	2.059	9.1	20.0
10 8	22 57.59	− 2 12.2	1.119	2.045	14.3	20.2
10 18	22 54.08	− 2 53.9	1.173	2.032	18.9	20.4

393762 2005 GB_{70} 9 11.3 251.°48 1.°0/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.71	+ 1 50.5	2.030	2.885	13.0	22.0
8 19	23 35.18	+ 1 8.9	1.942	2.871	9.8	21.8
8 29	23 28.88	+ 0 11.8	1.878	2.857	6.1	21.5
9 8	23 21.37	− 0 57.0	1.839	2.843	2.1	21.2
9 18	23 13.43	− 2 12.0	1.829	2.829	2.6	21.2
9 28	23 5.95	− 3 26.2	1.847	2.814	6.6	21.5
10 8	22 59.78	− 4 33.0	1.892	2.799	10.5	21.7
10 18	22 55.52	− 5 27.5	1.960	2.784	13.8	21.9

453511 2009 UT_{106} 9 11.3 351.°16 1.°5/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.61	− 6 10.2	1.836	2.723	12.6	21.1
8 19	23 33.69	− 6 48.5	1.768	2.718	9.2	20.9
8 29	23 27.98	− 7 35.4	1.723	2.713	5.3	20.7
9 8	23 21.13	− 8 25.6	1.704	2.709	1.7	20.4
9 18	23 13.96	− 9 13.1	1.712	2.706	3.8	20.6
9 28	23 7.40	− 9 52.1	1.746	2.704	7.7	20.8
10 8	23 2.27	−10 18.2	1.805	2.702	11.4	21.0
10 18	22 59.12	−10 29.0	1.885	2.701	14.6	21.3

477146 2009 DJ_{52} 9 11.3 110.°05 1.°2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.54	− 0 35.4	2.029	2.881	13.0	21.1
8 19	23 39.20	− 0 30.3	1.965	2.893	9.7	20.9
8 29	23 31.09	− 0 35.5	1.924	2.904	6.0	20.7
9 8	23 21.90	− 0 48.3	1.911	2.915	2.1	20.5
9 18	23 12.49	− 1 5.4	1.926	2.925	2.6	20.5
9 28	23 3.80	− 1 22.5	1.970	2.936	6.4	20.8
10 8	22 56.61	− 1 35.8	2.041	2.946	9.9	21.0
10 18	22 51.47	− 1 42.2	2.135	2.956	12.9	21.3

115001 2003 QF_{75} 9 11.3 320.°88 0.°2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 34.83	− 0 7.8	1.789	2.665	13.4	19.1
8 19	23 31.91	− 1 14.6	1.691	2.634	10.0	18.8
8 29	23 27.11	− 2 40.2	1.616	2.603	6.0	18.5
9 8	23 20.96	− 4 19.4	1.567	2.573	1.5	18.1
9 18	23 14.23	− 6 4.6	1.545	2.543	3.2	18.2
9 28	23 7.89	− 7 46.2	1.550	2.514	7.9	18.4
10 8	23 2.88	− 9 15.5	1.580	2.486	12.2	18.6
10 18	22 59.92	−10 26.0	1.632	2.458	16.0	18.8

218442 2004 RN_{197} 9 11.3 46.°18 4.°5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.71	+10 34.7	2.112	2.925	14.0	19.8
8 19	23 35.02	+10 44.6	2.039	2.930	11.3	19.6
8 29	23 28.69	+10 36.4	1.988	2.936	8.3	19.4
9 8	23 21.31	+10 11.1	1.961	2.942	5.5	19.3
9 18	23 13.64	+ 9 31.4	1.961	2.948	4.6	19.2
9 28	23 6.52	+ 8 42.0	1.989	2.954	6.4	19.3
10 8	23 0.71	+ 7 49.2	2.043	2.960	9.2	19.5
10 18	22 56.74	+ 6 58.5	2.121	2.966	12.1	19.7

154631 2003 WO_{25} 9 11.4 161.°19 2.°3/10.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.26	− 7 38.7	1.407	2.262	17.6	21.5
8 19	23 55.08	− 8 17.1	1.346	2.279	12.9	21.3
8 29	23 40.71	− 9 3.5	1.309	2.293	7.5	21.0
9 8	23 24.37	− 9 49.9	1.300	2.304	2.6	20.8
9 18	23 7.74	−10 28.0	1.321	2.313	5.3	21.0
9 28	22 52.62	−10 51.3	1.372	2.319	10.5	21.3
10 8	22 40.41	−10 57.0	1.448	2.322	15.2	21.6
10 18	22 31.83	−10 45.2	1.546	2.323	18.9	21.8

153557 2001 SA_{139} 9 11.4 264.°24 0.°7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.87	− 0 45.5	1.699	2.566	14.5	20.8
8 19	23 37.81	− 1 5.9	1.616	2.553	10.8	20.6
8 29	23 30.57	− 1 40.4	1.555	2.539	6.6	20.3
9 8	23 21.84	− 2 25.1	1.520	2.525	2.0	20.0
9 18	23 12.55	− 3 14.6	1.511	2.511	3.0	20.0
9 28	23 3.85	− 4 2.0	1.530	2.496	7.7	20.3
10 8	22 56.78	− 4 41.1	1.573	2.482	12.1	20.5
10 18	22 52.05	− 5 7.5	1.639	2.467	15.8	20.7

314592 2006 AK_{32} 9 11.4 163.°90 2.°1/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.65	−10 39.9	2.729	3.603	9.4	20.9
8 19	23 35.32	−11 12.8	2.663	3.606	6.8	20.7
8 29	23 28.70	−11 48.3	2.623	3.610	4.0	20.5
9 8	23 21.30	−12 22.4	2.612	3.613	2.1	20.4
9 18	23 13.71	−12 51.5	2.630	3.616	3.6	20.5
9 28	23 6.61	−13 12.1	2.677	3.618	6.3	20.7
10 8	23 0.57	−13 22.2	2.750	3.620	8.9	20.9
10 18	22 56.02	−13 20.7	2.848	3.622	11.2	21.1

97456 2000 CU_{13} 9 11.4 300.°63 2.°8/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.19	+ 5 55.5	2.139	2.977	13.0	19.3
8 19	23 34.03	+ 5 45.9	2.046	2.959	10.2	19.1
8 29	23 28.20	+ 5 20.4	1.975	2.942	6.9	18.8
9 8	23 21.22	+ 4 40.8	1.929	2.924	3.8	18.6
9 18	23 13.80	+ 3 50.5	1.911	2.907	3.2	18.5
9 28	23 6.79	+ 2 54.7	1.920	2.890	6.1	18.7
10 8	23 0.97	+ 1 59.4	1.956	2.873	9.6	18.9
10 18	22 56.95	+ 1 10.2	2.016	2.857	12.8	19.1

258877 2002 QH_{14} 9 11.4 63.°46 4.°5/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.94	+ 8 47.6	1.372	2.218	18.4	20.6
8 19	23 37.28	+ 8 40.3	1.314	2.229	14.5	20.4
8 29	23 30.25	+ 8 7.3	1.276	2.241	10.1	20.1
9 8	23 21.74	+ 7 11.2	1.260	2.252	6.0	19.9
9 18	23 12.88	+ 5 58.1	1.268	2.263	4.8	19.9
9 28	23 4.98	+ 4 37.3	1.303	2.275	8.0	20.1
10 8	22 59.07	+ 3 19.1	1.361	2.287	12.2	20.4
10 18	22 55.81	+ 2 11.5	1.440	2.299	16.0	20.7

321388 2009 PM_{7} 9 11.4 290.°58 0.°7/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.22	− 4 28.4	2.185	3.057	11.5	21.1
8 19	23 34.70	− 4 58.8	2.100	3.042	8.4	20.9
8 29	23 28.54	− 5 38.0	2.040	3.027	4.9	20.7
9 8	23 21.30	− 6 21.9	2.006	3.012	1.2	20.4
9 18	23 13.68	− 7 5.8	2.001	2.998	3.0	20.5
9 28	23 6.51	− 7 44.6	2.023	2.983	6.7	20.7
10 8	23 0.55	− 8 14.0	2.072	2.968	10.2	20.9
10 18	22 56.37	− 8 31.2	2.144	2.954	13.2	21.1

167438 2003 WL_{190} 9 11.4 259.°46 1.°3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.80	− 2 3.3	1.901	2.775	12.9	19.9
8 19	23 33.87	− 3 44.4	1.822	2.765	9.3	19.6
8 29	23 28.14	− 5 41.7	1.767	2.756	5.4	19.4
9 8	23 21.21	− 7 47.9	1.740	2.746	1.5	19.1
9 18	23 13.86	− 9 53.5	1.742	2.736	3.9	19.3
9 28	23 7.03	−11 48.7	1.773	2.726	8.1	19.5
10 8	23 1.56	−13 25.9	1.830	2.716	11.9	19.7
10 18	22 58.04	−14 40.6	1.909	2.705	15.1	19.9

264075 2009 ST_{185} 9 11.4 201.°29 0.°3/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 32.18	− 4 19.2	4.545	5.404	6.2	20.7
8 19	23 28.82	− 4 46.6	4.468	5.404	4.5	20.6
8 29	23 24.76	− 5 18.0	4.418	5.403	2.6	20.5
9 8	23 20.30	− 5 51.4	4.397	5.403	0.6	20.3
9 18	23 15.71	− 6 24.7	4.406	5.402	1.5	20.4
9 28	23 11.35	− 6 55.8	4.445	5.402	3.5	20.5
10 8	23 7.51	− 7 22.6	4.512	5.401	5.3	20.7
10 18	23 4.46	− 7 43.7	4.605	5.401	6.9	20.8

312766 2010 UW_{14} 9 11.4 11°.51 3°.6/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 32.48	+16 51.6	4.383	5.129	8.3	20.3
8 19	23 29.10	+16 46.8	4.292	5.129	6.9	20.2
8 29	23 24.96	+16 30.5	4.224	5.130	5.5	20.1
9 8	23 20.35	+16 3.3	4.182	5.130	4.2	20.0
9 18	23 15.61	+15 26.6	4.168	5.130	3.6	20.0
9 28	23 11.08	+14 42.4	4.182	5.131	4.0	20.0
10 8	23 7.13	+13 53.6	4.225	5.131	5.2	20.1
10 18	23 4.03	+13 3.2	4.295	5.131	6.6	20.2

509766 2008 UA_{43} 9 11.4 341°.00 2°.3/ 9.4 18

8 9	23 40.80	− 7 30.2	1.512	2.405	14.5	21.5
8 19	23 36.36	− 8 17.2	1.448	2.401	10.5	21.3
8 29	23 29.71	− 9 13.6	1.407	2.398	6.1	21.0
9 8	23 21.62	−10 12.1	1.390	2.394	2.4	20.8
9 18	23 13.13	−11 5.2	1.399	2.391	4.9	20.9
9 28	23 5.43	−11 45.5	1.433	2.389	9.3	21.2
10 8	22 59.53	−12 8.3	1.491	2.387	13.5	21.4
10 18	22 56.08	−12 12.0	1.569	2.385	17.0	21.7

392674 2011 UR_{324} 9 11.4 2°.77 3°.8/ 8.1 18

8 9	23 41.71	−12 14.9	1.584	2.480	13.7	20.5
8 19	23 36.90	−12 58.3	1.526	2.480	10.0	20.2
8 29	23 29.95	−13 45.1	1.491	2.480	6.1	20.0
9 8	23 21.66	−14 28.0	1.481	2.480	3.8	19.9
9 18	23 13.07	−15 0.3	1.497	2.481	6.0	20.0
9 28	23 5.32	−15 16.5	1.538	2.482	9.8	20.2
10 8	22 59.35	−15 14.1	1.602	2.484	13.5	20.5
10 18	22 55.77	−14 53.2	1.687	2.487	16.7	20.7

218230 2002 VS_{79} 9 11.4 14°.75 5°.6/ 7.4 18

8 9	23 37.70	−12 6.4	0.946	1.872	17.9	18.1
8 19	23 34.80	−13 16.9	0.909	1.877	13.0	17.8
8 29	23 29.00	−14 32.7	0.891	1.884	8.1	17.6
9 8	23 21.43	−15 41.2	0.894	1.893	5.6	17.5
9 18	23 13.59	−16 30.8	0.918	1.904	8.5	17.7
9 28	23 7.07	−16 53.5	0.964	1.916	13.2	18.0
10 8	23 3.04	−16 47.2	1.028	1.930	17.6	18.3
10 18	23 2.09	−16 14.0	1.110	1.945	21.3	18.6

356251 2009 UZ_{50} 9 11.4 299°.10 0°.4/12.1 17

8 9	23 32.37	− 0 49.4	4.347	5.194	6.7	21.4
8 19	23 28.99	− 1 12.2	4.264	5.191	5.0	21.2
8 29	23 24.89	− 1 40.5	4.207	5.187	3.0	21.1
9 8	23 20.34	− 2 12.5	4.179	5.183	0.9	20.9
9 18	23 15.66	− 2 46.1	4.181	5.180	1.3	21.0
9 28	23 11.20	− 3 19.0	4.213	5.176	3.4	21.1
10 8	23 7.29	− 3 49.0	4.273	5.173	5.3	21.3
10 18	23 4.20	− 4 14.2	4.360	5.169	7.0	21.4

312632 2009 UY_{148} 9 11.4 188°.23 2°.5/17.6 18

8 9	23 31.58	+13 9.3	5.200	5.967	6.8	21.0
8 19	23 28.34	+12 56.1	5.107	5.967	5.6	20.9
8 29	23 24.48	+12 34.2	5.040	5.966	4.2	20.8
9 8	23 20.24	+12 4.2	4.999	5.965	3.0	20.7
9 18	23 15.90	+11 27.7	4.987	5.963	2.5	20.6
9 28	23 11.73	+10 46.3	5.005	5.962	3.1	20.7
10 8	23 8.03	+10 2.4	5.052	5.961	4.3	20.8
10 18	23 5.03	+ 9 18.4	5.126	5.959	5.7	20.9

387955 2005 GC_{30} 9 11.4 153°.25 3°.8/ 7.1 18

8 9	23 43.31	−14 57.8	2.331	3.211	10.5	21.7
8 19	23 37.44	−15 50.0	2.274	3.219	7.7	21.6
8 29	23 30.02	−16 42.2	2.244	3.226	5.0	21.4
9 8	23 21.68	−17 29.0	2.241	3.233	3.8	21.4
9 18	23 13.15	−18 5.3	2.268	3.239	5.4	21.5
9 28	23 5.25	−18 27.5	2.322	3.245	8.1	21.7
10 8	22 58.68	−18 33.7	2.401	3.250	10.8	21.8
10 18	22 53.92	−18 24.2	2.503	3.255	13.1	22.0

455118 2015 VD_{26} 9 11.4 277°.09 4°.3/16.8 18

8 9	23 37.75	+12 31.8	2.510	3.305	12.5	21.3
8 19	23 33.55	+12 23.9	2.406	3.285	10.3	21.1
8 29	23 27.87	+11 58.1	2.325	3.264	7.7	21.0
9 8	23 21.17	+11 15.1	2.268	3.244	5.3	20.8
9 18	23 14.06	+10 17.2	2.239	3.223	4.4	20.7
9 28	23 7.28	+ 9 8.8	2.239	3.203	5.9	20.7
10 8	23 1.51	+ 7 55.9	2.266	3.182	8.5	20.9
10 18	22 57.31	+ 6 44.3	2.318	3.161	11.3	21.0

164830 1999 TA_{49} 9 11.4 55°.79 0°.6/11.9 18

8 9	23 39.33	+ 0 59.9	1.629	2.498	14.8	19.9
8 19	23 35.08	+ 0 10.1	1.567	2.505	11.0	19.7
8 29	23 28.86	− 0 56.7	1.528	2.512	6.7	19.4
9 8	23 21.41	− 2 14.7	1.514	2.519	2.0	19.1
9 18	23 13.67	− 3 36.3	1.527	2.526	2.9	19.2
9 28	23 6.68	− 4 53.3	1.566	2.534	7.5	19.5
10 8	23 1.31	− 5 58.4	1.630	2.541	11.6	19.8
10 18	22 58.16	− 6 47.0	1.717	2.549	15.1	20.0

209046 2003 QP 9 11.4 31°.44 0°.4/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 38.82	− 0 28.9	1.091	1.988	18.5	20.0
8 19	23 35.38	− 1 33.4	1.043	1.996	13.6	19.8
8 29	23 29.29	− 2 59.7	1.014	2.004	8.0	19.5
9 8	23 21.55	− 4 38.4	1.007	2.014	1.9	19.2
9 18	23 13.47	− 6 17.4	1.025	2.024	4.2	19.4
9 28	23 6.50	− 7 44.3	1.065	2.035	9.9	19.7
10 8	23 1.78	− 8 50.0	1.128	2.046	14.9	20.0
10 18	22 59.95	− 9 30.5	1.209	2.058	19.0	20.3

27519 Miames 9 11.4 118°.52 1°.6/ 9.6 18

8 9	23 40.12	− 6 17.1	1.963	2.842	12.3	18.9
8 19	23 35.40	− 7 9.0	1.899	2.846	8.9	18.7
8 29	23 28.95	− 8 9.1	1.860	2.849	5.1	18.4
9 8	23 21.44	− 9 11.7	1.847	2.852	1.8	18.2
9 18	23 13.66	−10 10.6	1.863	2.856	3.8	18.4
9 28	23 6.51	−10 59.8	1.905	2.859	7.6	18.6
10 8	23 0.77	−11 35.2	1.974	2.862	11.1	18.8
10 18	22 56.96	−11 54.6	2.064	2.865	14.0	19.1

514489 2016 WM_{10} 9 11.4 292°.75 3°.3/ 8.3 18

8 9	23 41.48	−11 1.1	1.776	2.666	12.8	21.4
8 19	23 36.67	−11 50.4	1.704	2.656	9.3	21.2
8 29	23 29.85	−12 44.8	1.657	2.645	5.6	21.0
9 8	23 21.69	−13 37.7	1.635	2.635	3.3	20.8
9 18	23 13.13	−14 22.2	1.640	2.625	5.5	20.9
9 28	23 5.21	−14 52.5	1.671	2.615	9.2	21.1
10 8	22 58.87	−15 5.2	1.726	2.605	12.9	21.3
10 18	22 54.75	−14 59.2	1.802	2.595	16.0	21.5

311158 2004 TT_{55} 9 11.4 266°.28 0°.7/10.8 18

8 9	23 43.02	− 2 52.0	1.381	2.265	16.1	21.3
8 19	23 38.31	− 3 34.2	1.308	2.255	11.9	21.1
8 29	23 31.05	− 4 32.6	1.256	2.244	7.0	20.8
9 8	23 22.04	− 5 40.7	1.227	2.234	1.7	20.4
9 18	23 12.42	− 6 50.1	1.225	2.223	4.1	20.5
9 28	23 3.56	− 7 51.5	1.248	2.212	9.4	20.8
10 8	22 56.68	− 8 37.4	1.293	2.201	14.2	21.1
10 18	22 52.58	− 9 3.6	1.359	2.190	18.4	21.3

241486 2009 BP_{98} 9 11.4 198°.22 1°.6/ 9.8 18

8 9	23 41.40	− 6 22.3	1.867	2.747	12.8	21.3
8 19	23 36.44	− 7 4.4	1.800	2.746	9.3	21.1
8 29	23 29.61	− 7 55.0	1.757	2.746	5.3	20.9
9 8	23 21.62	− 8 48.3	1.740	2.745	1.8	20.6
9 18	23 13.31	− 9 38.3	1.750	2.744	3.9	20.8
9 28	23 5.65	−10 19.0	1.788	2.744	7.8	21.0
10 8	22 59.49	−10 46.4	1.851	2.743	11.5	21.2
10 18	22 55.41	−10 58.3	1.936	2.742	14.6	21.4

508149 2015 FR_{140} 9 11.4 162°.70 0°.2/11.2 17

8 9	23 43.08	− 2 5.1	1.891	2.756	13.3	22.6
8 19	23 37.61	− 2 46.8	1.824	2.761	9.8	22.3
8 29	23 30.29	− 3 40.4	1.780	2.766	5.7	22.1
9 8	23 21.79	− 4 41.0	1.763	2.769	1.4	21.8
9 18	23 12.99	− 5 42.4	1.775	2.773	3.0	22.0
9 28	23 4.87	− 6 38.1	1.814	2.775	7.2	22.2
10 8	22 58.28	− 7 22.9	1.879	2.778	11.0	22.5
10 18	22 53.77	− 7 53.5	1.967	2.779	14.2	22.7

319131 2005 YN_{6} 9 11.4 244°.82 3°.2/ 7.2 17

8 9	23 40.85	−14 18.3	2.753	3.631	9.2	21.9
8 19	23 35.63	−15 5.0	2.670	3.614	6.7	21.7
8 29	23 29.00	−15 53.0	2.613	3.596	4.4	21.6
9 8	23 21.46	−16 37.8	2.585	3.578	3.2	21.5
9 18	23 13.61	−17 14.8	2.586	3.560	4.7	21.5
9 28	23 6.15	−17 40.4	2.616	3.541	7.3	21.7
10 8	22 59.70	−17 52.4	2.672	3.522	9.8	21.8
10 18	22 54.77	−17 50.1	2.751	3.502	12.1	21.9

272411 2005 TL_{42} 9 11.4 301°.53 1°.7/12.7 18

8 9	23 41.02	+ 1 38.2	1.469	2.340	16.1	20.7
8 19	23 36.77	+ 1 22.9	1.388	2.325	12.3	20.4
8 29	23 30.13	+ 0 49.3	1.328	2.310	7.8	20.1
9 8	23 21.82	+ 0 0.7	1.292	2.295	3.0	19.8
9 18	23 12.87	− 0 56.8	1.281	2.281	3.3	19.8
9 28	23 4.56	− 1 55.3	1.295	2.267	8.2	20.0
10 8	22 58.04	− 2 46.6	1.334	2.253	13.0	20.2
10 18	22 54.12	− 3 24.8	1.393	2.239	17.1	20.5

438102 2005 EG_{107} 9 11.4 84°.94 2°.5/14.4 18

8 9	23 40.88	+ 7 22.5	1.993	2.823	14.1	20.7
8 19	23 35.77	+ 6 36.6	1.941	2.851	10.8	20.5
8 29	23 29.07	+ 5 32.6	1.912	2.878	7.2	20.3
9 8	23 21.46	+ 4 14.5	1.909	2.905	3.7	20.2
9 18	23 13.73	+ 2 48.4	1.934	2.931	2.9	20.2
9 28	23 6.75	+ 1 21.6	1.988	2.957	6.0	20.4
10 8	23 1.20	+ 0 1.1	2.069	2.982	9.3	20.7
10 18	22 57.53	− 1 8.0	2.174	3.007	12.3	20.9

408302 2013 GA_{27} 9 11.4 143°.25 4°.8/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.04	−19 34.3	2.431	3.312	10.1	21.2
8 19	23 37.22	−20 21.8	2.378	3.318	7.7	21.0
8 29	23 29.89	−21 6.0	2.351	3.325	5.5	20.9
9 8	23 21.67	−21 41.4	2.352	3.330	4.9	20.9
9 18	23 13.30	−22 3.7	2.380	3.336	6.3	21.0
9 28	23 5.57	−22 10.0	2.436	3.341	8.6	21.1
10 8	22 59.14	−21 59.5	2.516	3.346	11.0	21.3
10 18	22 54.48	−21 33.3	2.618	3.351	13.1	21.5

141603 2002 JX_{4} 9 11.4 65°.29 1°.7/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.54	+ 2 0.3	1.242	2.115	18.3	20.1
8 19	23 39.86	+ 1 38.4	1.202	2.139	13.7	19.9
8 29	23 31.71	+ 0 56.7	1.182	2.164	8.5	19.7
9 8	23 22.15	+ 0 1.0	1.185	2.189	3.2	19.5
9 18	23 12.49	− 1 0.8	1.213	2.213	3.4	19.6
9 28	23 4.08	− 1 59.5	1.267	2.238	8.4	19.9
10 8	22 57.94	− 2 47.8	1.344	2.262	12.9	20.3
10 18	22 54.62	− 3 20.9	1.441	2.287	16.7	20.6

323226 2003 SY_{111} 9 11.4 349°.91 0°.5/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.69	− 3 1.1	1.669	2.547	14.1	19.7
8 19	23 36.16	− 2 53.4	1.597	2.539	10.5	19.5
8 29	23 29.58	− 2 55.7	1.546	2.532	6.3	19.2
9 8	23 21.65	− 3 4.8	1.520	2.526	1.8	18.9
9 18	23 13.31	− 3 16.7	1.521	2.521	3.0	19.0
9 28	23 5.64	− 3 26.7	1.548	2.516	7.5	19.3
10 8	22 59.58	− 3 30.5	1.599	2.513	11.6	19.5
10 18	22 55.78	− 3 25.2	1.672	2.510	15.1	19.8

304278 2006 SM_{24} 9 11.4 304°.00 4°.7/15.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.15	+ 9 43.8	1.813	2.641	15.4	20.8
8 19	23 35.12	+ 9 49.3	1.718	2.620	12.4	20.6
8 29	23 29.06	+ 9 34.1	1.642	2.598	9.1	20.4
9 8	23 21.55	+ 8 58.5	1.591	2.577	5.9	20.1
9 18	23 13.44	+ 8 5.2	1.565	2.555	4.8	20.0
9 28	23 5.74	+ 7 0.1	1.565	2.534	7.3	20.1
10 8	22 59.47	+ 5 50.9	1.591	2.514	11.0	20.3
10 18	22 55.36	+ 4 45.4	1.639	2.493	14.6	20.5

383034 2005 PH_{24} 9 11.4 341°.89 1°.2/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.15	− 4 57.0	1.122	2.028	17.4	20.2
8 19	23 35.85	− 5 19.0	1.057	2.015	12.8	19.9
8 29	23 29.76	− 5 55.1	1.012	2.004	7.5	19.6
9 8	23 21.76	− 6 38.9	0.988	1.994	2.0	19.2
9 18	23 13.12	− 7 21.9	0.987	1.985	4.6	19.4
9 28	23 5.39	− 7 55.3	1.008	1.978	10.3	19.7
10 8	22 59.91	− 8 12.4	1.051	1.971	15.5	19.9
10 18	22 57.47	− 8 9.8	1.112	1.966	20.0	20.2

32860 1993 FG_{5} 9 11.4 178°.43 1°.3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.45	− 6 19.4	2.229	3.103	11.2	19.6
8 19	23 35.49	− 6 57.9	2.160	3.103	8.1	19.4
8 29	23 28.97	− 7 43.4	2.116	3.104	4.7	19.2
9 8	23 21.47	− 8 31.2	2.099	3.104	1.5	19.0
9 18	23 13.72	− 9 16.3	2.110	3.104	3.3	19.1
9 28	23 6.51	− 9 54.1	2.150	3.104	6.8	19.3
10 8	23 0.55	−10 20.8	2.216	3.104	10.0	19.5
10 18	22 56.35	−10 34.6	2.305	3.103	12.8	19.7

94299 2001 DB_{108} 9 11.4 96°.52 2°.7/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.43	−14 53.4	3.265	4.143	7.9	19.7
8 19	23 33.52	−15 26.5	3.214	4.158	5.8	19.6
8 29	23 27.60	−15 59.2	3.190	4.172	3.7	19.5
9 8	23 21.10	−16 28.1	3.195	4.187	2.7	19.4
9 18	23 14.51	−16 50.3	3.228	4.202	3.9	19.5
9 28	23 8.35	−17 3.3	3.291	4.216	5.9	19.7
10 8	23 3.08	−17 6.0	3.380	4.230	8.0	19.8
10 18	22 59.04	−16 57.9	3.493	4.244	9.8	20.0

32494 2000 WY_{125} 9 11.4 56°.53 1°.9/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.77	− 9 4.4	1.973	2.851	12.2	17.8
8 19	23 38.00	− 9 20.3	1.913	2.858	8.9	17.6
8 29	23 30.46	− 9 40.4	1.878	2.866	5.2	17.4
9 8	23 21.86	−10 0.2	1.869	2.873	2.0	17.2
9 18	23 13.05	−10 15.4	1.888	2.881	3.9	17.3
9 28	23 4.98	−10 22.0	1.935	2.888	7.5	17.6
10 8	22 58.42	−10 17.7	2.008	2.896	10.9	17.8
10 18	22 53.90	−10 1.6	2.103	2.904	13.8	18.0

365294 2009 RQ_{38} 9 11.4 354°.31 2°.0/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 33.37	+ 7 3.6	1.707	2.560	15.0	19.8
8 19	23 30.78	+ 5 49.9	1.631	2.555	11.6	19.6
8 29	23 26.40	+ 4 11.7	1.577	2.551	7.6	19.4
9 8	23 20.86	+ 2 14.1	1.547	2.548	3.4	19.1
9 18	23 14.96	+ 0 5.6	1.545	2.545	2.8	19.1
9 28	23 9.63	− 2 3.0	1.571	2.544	6.9	19.3
10 8	23 5.72	− 4 1.4	1.623	2.543	11.0	19.6
10 18	23 3.78	− 5 41.7	1.698	2.544	14.6	19.8

350428 2012 VQ_{82} 9 11.4 256°.52 1°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 41.47	+ 1 8.3	1.882	2.740	13.7	21.0
8 19	23 36.60	+ 0 48.7	1.801	2.731	10.3	20.8
8 29	23 29.81	+ 0 14.7	1.742	2.722	6.4	20.6
9 8	23 21.75	− 0 30.1	1.710	2.713	2.4	20.3
9 18	23 13.25	− 1 21.1	1.704	2.704	2.7	20.3
9 28	23 5.30	− 2 12.0	1.726	2.694	6.9	20.6
10 8	22 58.79	− 2 56.8	1.774	2.685	10.8	20.8
10 18	22 54.37	− 3 31.0	1.845	2.675	14.2	21.0

15128 Patrickjones 9 11.4 126°.59 0°.9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.82	− 5 57.8	2.017	2.889	12.3	19.4
8 19	23 38.04	− 6 16.8	1.953	2.894	9.0	19.2
8 29	23 30.50	− 6 42.6	1.913	2.900	5.2	19.0
9 8	23 21.89	− 7 11.1	1.900	2.906	1.4	18.7
9 18	23 13.04	− 7 37.8	1.915	2.911	3.2	18.8
9 28	23 4.86	− 7 58.2	1.958	2.916	7.0	19.1
10 8	22 58.16	− 8 8.9	2.027	2.921	10.5	19.3
10 18	22 53.45	− 8 8.3	2.119	2.926	13.5	19.5

278805 2008 SX_{242} 9 11.4 24°.57 3°.5/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.06	+ 7 27.2	1.287	2.150	18.4	19.7
8 19	23 33.84	+ 6 55.4	1.231	2.159	14.3	19.4
8 29	23 28.32	+ 5 56.7	1.195	2.168	9.6	19.2
9 8	23 21.36	+ 4 35.6	1.181	2.178	5.0	19.0
9 18	23 14.07	+ 3 0.4	1.191	2.190	4.0	18.9
9 28	23 7.69	+ 1 22.2	1.226	2.202	8.0	19.2
10 8	23 3.23	− 0 7.9	1.285	2.215	12.4	19.5
10 18	23 1.31	− 1 21.9	1.364	2.228	16.4	19.8

160538 1997 CG_{10} 9 11.4 71°.26 5°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.80	+ 9 47.8	1.684	2.505	16.6	19.9
8 19	23 39.76	+10 20.6	1.626	2.523	13.3	19.7
8 29	23 31.62	+10 32.8	1.589	2.540	9.7	19.6
9 8	23 22.19	+10 24.8	1.576	2.558	6.5	19.4
9 18	23 12.50	+ 9 59.3	1.589	2.576	5.4	19.4
9 28	23 3.67	+ 9 21.8	1.629	2.594	7.6	19.6
10 8	22 56.64	+ 8 39.3	1.694	2.611	10.8	19.8
10 18	22 52.01	+ 7 58.6	1.783	2.629	14.0	20.1

392001 2008 YH_{124} 9 11.4 169°.55 3°.6/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.74	+ 8 45.3	2.246	3.060	13.2	21.6
8 19	23 36.48	+ 8 41.3	2.167	3.063	10.5	21.4
8 29	23 29.60	+ 8 20.8	2.111	3.066	7.4	21.2
9 8	23 21.68	+ 7 45.1	2.081	3.068	4.5	21.0
9 18	23 13.45	+ 6 57.5	2.079	3.070	3.7	21.0
9 28	23 5.73	+ 6 2.9	2.105	3.071	6.0	21.1
10 8	22 59.28	+ 5 7.1	2.159	3.072	9.0	21.3
10 18	22 54.63	+ 4 15.4	2.237	3.073	11.9	21.5

331151 2010 WO_{68} 9 11.4 235°.90 4°.4/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.31	+ 8 0.1	1.542	2.382	17.0	21.0
8 19	23 38.32	+ 8 5.5	1.467	2.379	13.5	20.8
8 29	23 30.99	+ 7 48.7	1.412	2.375	9.5	20.6
9 8	23 22.08	+ 7 11.1	1.380	2.371	5.7	20.3
9 18	23 12.64	+ 6 16.7	1.374	2.368	4.7	20.3
9 28	23 3.91	+ 5 12.7	1.393	2.364	7.9	20.4
10 8	22 56.99	+ 4 8.1	1.438	2.360	12.0	20.7
10 18	22 52.62	+ 3 10.4	1.504	2.355	15.8	20.9

151409 2002 EX_{125} 9 11.4 78°.17 0°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.72	− 3 52.5	2.113	2.981	12.0	20.1
8 19	23 36.49	− 4 8.3	2.044	2.983	8.8	19.9
8 29	23 29.60	− 4 32.4	1.999	2.985	5.2	19.7
9 8	23 21.67	− 5 1.1	1.981	2.987	1.3	19.4
9 18	23 13.48	− 5 30.1	1.991	2.989	2.7	19.6
9 28	23 5.89	− 5 55.2	2.029	2.991	6.5	19.8
10 8	22 59.63	− 6 12.4	2.093	2.993	10.0	20.0
10 18	22 55.24	− 6 19.6	2.181	2.995	12.9	20.2

241333 2007 VR_{202} 9 11.4 350°.61 0°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.64	− 1 37.6	1.617	2.496	14.4	19.9
8 19	23 34.70	− 2 23.1	1.549	2.494	10.6	19.7
8 29	23 28.75	− 3 23.4	1.504	2.491	6.3	19.5
9 8	23 21.49	− 4 32.8	1.483	2.489	1.6	19.1
9 18	23 13.85	− 5 43.9	1.489	2.488	3.3	19.3
9 28	23 6.90	− 6 48.8	1.521	2.487	7.9	19.5
10 8	23 1.55	− 7 40.9	1.578	2.486	12.1	19.8
10 18	22 58.44	− 8 16.1	1.655	2.486	15.6	20.0

435683 2008 TW_{68} 9 11.4 21°.14 3°.4/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.63	−10 40.2	1.564	2.458	14.0	20.9
8 19	23 37.63	−11 29.3	1.507	2.460	10.2	20.7
8 29	23 30.46	−12 23.8	1.472	2.461	6.1	20.5
9 8	23 21.92	−13 16.1	1.462	2.463	3.4	20.3
9 18	23 13.06	−13 58.9	1.478	2.465	5.7	20.5
9 28	23 5.05	−14 26.1	1.520	2.467	9.7	20.7
10 8	22 58.86	−14 34.6	1.586	2.470	13.5	20.9
10 18	22 55.11	−14 24.0	1.671	2.472	16.8	21.2

352252 2007 TF_{172} 9 11.4 1°.16 6°.9/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.15	−18 28.7	1.346	2.253	14.9	19.4
8 19	23 37.59	−19 23.9	1.297	2.251	11.3	19.2
8 29	23 30.54	−20 15.9	1.269	2.250	8.0	19.0
9 8	23 21.94	−20 55.1	1.264	2.250	6.9	19.0
9 18	23 13.04	−21 13.8	1.283	2.251	9.1	19.1
9 28	23 5.18	−21 7.3	1.325	2.253	12.6	19.3
10 8	22 59.45	−20 35.5	1.389	2.256	16.1	19.6
10 18	22 56.46	−19 41.1	1.470	2.260	19.2	19.8

247469 2002 JK_{38} 9 11.4 72°.02 0°.6/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.12	− 0 55.8	1.660	2.528	14.7	20.6
8 19	23 37.76	− 1 16.7	1.605	2.542	10.8	20.4
8 29	23 30.43	− 1 50.7	1.573	2.557	6.5	20.2
9 8	23 21.90	− 2 33.1	1.566	2.571	1.9	20.0
9 18	23 13.15	− 3 18.3	1.586	2.586	2.9	20.1
9 28	23 5.26	− 4 0.0	1.633	2.600	7.3	20.4
10 8	22 59.09	− 4 32.8	1.705	2.615	11.3	20.6
10 18	22 55.19	− 4 53.5	1.800	2.629	14.6	20.9

262023 2006 QP_{109} 9 11.4 300°.52 2°.3/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.07	+ 1 14.0	1.351	2.223	17.2	20.2
8 19	23 39.29	+ 1 24.3	1.270	2.206	13.2	19.9
8 29	23 31.79	+ 1 17.7	1.209	2.190	8.5	19.6
9 8	23 22.35	+ 0 56.5	1.171	2.174	3.6	19.3
9 18	23 12.13	+ 0 25.1	1.158	2.158	3.7	19.2
9 28	23 2.59	− 0 9.4	1.170	2.142	8.8	19.5
10 8	22 55.06	− 0 39.7	1.205	2.127	13.8	19.7
10 18	22 50.45	− 0 59.8	1.260	2.112	18.2	20.0

478924 2012 XS_{8} 9 11.4 12°.61 5°.0/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.32	−13 15.6	1.378	2.284	14.7	20.5
8 19	23 36.15	−14 22.3	1.328	2.286	10.8	20.3
8 29	23 29.66	−15 32.3	1.301	2.289	6.9	20.1
9 8	23 21.72	−16 36.0	1.297	2.293	5.0	20.0
9 18	23 13.49	−17 24.7	1.318	2.298	7.4	20.1
9 28	23 6.20	−17 52.0	1.363	2.303	11.3	20.4
10 8	23 0.89	−17 55.3	1.430	2.309	15.0	20.6
10 18	22 58.15	−17 35.5	1.516	2.316	18.2	20.9

388632 2007 TO_{89} 9 11.4 60°.79 2°.3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.97	− 7 38.2	1.721	2.608	13.3	20.7
8 19	23 36.20	− 8 31.0	1.666	2.616	9.6	20.5
8 29	23 29.52	− 9 31.2	1.634	2.624	5.5	20.3
9 8	23 21.67	−10 32.4	1.629	2.632	2.3	20.1
9 18	23 13.59	−11 27.5	1.650	2.641	4.5	20.3
9 28	23 6.27	−12 10.4	1.698	2.650	8.5	20.5
10 8	23 0.58	−12 37.1	1.770	2.658	12.1	20.8
10 18	22 57.05	−12 46.2	1.863	2.667	15.2	21.0

181549 2006 US_{238} 9 11.4 99°.22 1°.4/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.52	+ 1 5.7	1.499	2.364	16.1	20.5
8 19	23 39.05	+ 0 49.7	1.439	2.373	12.1	20.3
8 29	23 31.31	+ 0 17.3	1.400	2.381	7.5	20.1
9 8	23 22.15	− 0 27.4	1.386	2.390	2.7	19.8
9 18	23 12.67	− 1 18.3	1.398	2.398	3.1	19.8
9 28	23 4.08	− 2 7.8	1.437	2.407	7.8	20.1
10 8	22 57.41	− 2 49.4	1.500	2.415	12.2	20.4
10 18	22 53.28	− 3 18.5	1.585	2.423	15.8	20.7

509088 2005 UY_{197} 9 11.4 291°.86 0°.5/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.77	− 0 20.0	1.526	2.401	15.4	22.2
8 19	23 36.54	− 0 53.3	1.444	2.385	11.5	21.9
8 29	23 30.01	− 1 43.7	1.385	2.370	7.0	21.6
9 8	23 21.87	− 2 46.6	1.349	2.354	2.0	21.3
9 18	23 13.11	− 3 55.0	1.339	2.339	3.3	21.3
9 28	23 4.98	− 5 0.4	1.355	2.324	8.3	21.6
10 8	22 58.56	− 5 54.9	1.396	2.308	13.0	21.8
10 18	22 54.64	− 6 33.3	1.457	2.294	17.0	22.0

138369 2000 GL_{140} 9 11.4 201°.23 1°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.22	− 6 14.1	1.849	2.726	13.0	20.5
8 19	23 37.86	− 7 6.6	1.778	2.723	9.5	20.2
8 29	23 30.55	− 8 8.4	1.731	2.719	5.5	20.0
9 8	23 21.96	− 9 13.4	1.711	2.715	1.9	19.8
9 18	23 13.00	−10 14.8	1.718	2.711	4.1	19.9
9 28	23 4.68	−11 6.0	1.753	2.706	8.2	20.2
10 8	22 57.92	−11 42.3	1.814	2.701	11.9	20.4
10 18	22 53.31	−12 1.5	1.896	2.695	15.1	20.6

90789 1994 PP_{22} 9 11.4 261°.58 0°.8/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.66	− 4 25.1	1.361	2.245	16.3	19.3
8 19	23 40.29	− 4 48.4	1.291	2.238	12.0	19.0
8 29	23 32.26	− 5 24.4	1.242	2.231	7.1	18.7
9 8	23 22.45	− 6 7.3	1.217	2.223	1.8	18.4
9 18	23 12.05	− 6 49.9	1.217	2.215	4.1	18.5
9 28	23 2.51	− 7 24.6	1.243	2.208	9.4	18.8
10 8	22 55.07	− 7 45.5	1.293	2.200	14.3	19.1
10 18	22 50.51	− 7 49.7	1.362	2.192	18.3	19.3

130554 2000 RT_{18} 9 11.4 67°.04 4°.9/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.99	+ 8 41.9	1.231	2.081	19.9	19.0
8 19	23 39.65	+ 8 44.1	1.184	2.101	15.6	18.8
8 29	23 31.72	+ 8 19.1	1.156	2.121	10.9	18.6
9 8	23 22.25	+ 7 29.7	1.150	2.142	6.4	18.4
9 18	23 12.56	+ 6 22.4	1.168	2.162	5.2	18.4
9 28	23 4.05	+ 5 7.3	1.211	2.183	8.5	18.7
10 8	22 57.83	+ 3 54.9	1.277	2.204	12.8	19.0
10 18	22 54.51	+ 2 53.2	1.364	2.224	16.6	19.3

404387 2013 GN_{43} 9 11.4 155°.58 2°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.87	− 9 50.3	2.488	3.364	10.1	21.7
8 19	23 35.65	−10 29.7	2.424	3.369	7.3	21.5
8 29	23 29.02	−11 12.8	2.386	3.373	4.3	21.3
9 8	23 21.54	−11 55.0	2.375	3.377	2.1	21.2
9 18	23 13.86	−12 31.9	2.394	3.381	3.8	21.3
9 28	23 6.71	−12 59.8	2.441	3.384	6.7	21.5
10 8	23 0.70	−13 16.0	2.514	3.388	9.5	21.7
10 18	22 56.31	−13 19.4	2.611	3.391	12.0	21.9

215415 2002 GX_{94} 9 11.4 158°.29 1°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.28	+ 3 18.1	1.591	2.447	15.8	21.0
8 19	23 38.12	+ 2 42.8	1.523	2.451	12.0	20.8
8 29	23 30.78	+ 1 48.3	1.477	2.455	7.6	20.5
9 8	23 22.04	+ 0 39.0	1.456	2.459	3.0	20.3
9 18	23 12.92	− 0 38.2	1.462	2.462	3.1	20.3
9 28	23 4.57	− 1 54.7	1.495	2.465	7.6	20.6
10 8	22 58.00	− 3 2.4	1.553	2.467	11.9	20.8
10 18	22 53.84	− 3 55.9	1.633	2.469	15.5	21.1

203214 2001 EV_{12} 9 11.4 103°.90 14°.4/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.88	−52 40.5	2.182	2.956	14.8	19.6
8 19	23 46.75	−54 33.4	2.197	2.978	14.5	19.6
8 29	23 35.80	−55 56.4	2.232	3.000	14.6	19.6
9 8	23 23.27	−56 43.0	2.285	3.021	15.0	19.7
9 18	23 10.73	−56 51.0	2.356	3.042	15.8	19.8
9 28	22 59.79	−56 22.1	2.442	3.062	16.6	20.0
10 8	22 51.54	−55 21.9	2.541	3.081	17.3	20.1
10 18	22 46.53	−53 57.0	2.652	3.100	17.8	20.2

395527 2011 UY_{141} 9 11.4 309°.95 3°.1/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.09	−10 5.0	1.780	2.671	12.7	20.7
8 19	23 35.68	−10 59.4	1.710	2.662	9.2	20.5
8 29	23 29.31	−12 0.1	1.663	2.653	5.5	20.3
9 8	23 21.67	−13 0.3	1.642	2.643	3.1	20.1
9 18	23 13.62	−13 53.0	1.648	2.635	5.3	20.2
9 28	23 6.21	−14 31.9	1.680	2.626	9.1	20.4
10 8	23 0.32	−14 53.1	1.736	2.617	12.7	20.6
10 18	22 56.58	−14 55.4	1.813	2.609	15.8	20.8

226448 2003 SN_{74} 9 11.4 343°.54 0°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.62	− 1 40.6	1.911	2.780	13.0	19.8
8 19	23 35.19	− 1 49.5	1.835	2.773	9.7	19.6
8 29	23 28.97	− 2 9.2	1.783	2.767	5.9	19.3
9 8	23 21.57	− 2 36.5	1.756	2.762	1.8	19.0
9 18	23 13.82	− 3 7.0	1.757	2.757	2.7	19.1
9 28	23 6.63	− 3 35.7	1.785	2.752	6.7	19.4
10 8	23 0.84	− 3 57.9	1.838	2.748	10.5	19.6
10 18	22 57.03	− 4 10.4	1.913	2.745	13.8	19.8

160292 2003 DM_{6} 9 11.4 243°.81 1°.4/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.66	− 5 7.2	1.776	2.653	13.5	21.5
8 19	23 37.61	− 5 54.2	1.698	2.642	9.8	21.3
8 29	23 30.49	− 6 52.2	1.643	2.631	5.7	21.0
9 8	23 21.99	− 7 55.5	1.614	2.619	1.7	20.7
9 18	23 13.00	− 8 57.0	1.612	2.607	3.9	20.9
9 28	23 4.62	− 9 49.9	1.638	2.595	8.3	21.1
10 8	22 57.80	−10 28.6	1.689	2.582	12.3	21.3
10 18	22 53.21	−10 50.2	1.761	2.569	15.8	21.5

116499 2004 BF_{21} 9 11.4 222°.66 1°.9/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.44	+ 3 44.4	2.140	2.983	12.8	20.4
8 19	23 35.66	+ 3 21.8	2.058	2.978	9.8	20.2
8 29	23 29.20	+ 2 44.5	1.999	2.972	6.3	20.0
9 8	23 21.64	+ 1 55.3	1.966	2.966	2.9	19.7
9 18	23 13.73	+ 0 58.4	1.961	2.960	2.6	19.7
9 28	23 6.31	− 0 0.5	1.984	2.953	6.1	19.9
10 8	23 0.14	− 0 55.5	2.035	2.946	9.6	20.1
10 18	22 55.81	− 1 41.9	2.109	2.939	12.7	20.3

38615 2000 AV_{121} 9 11.4 313°.82 1°.1/13.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 33.48	+ 2 15.1	3.872	4.708	7.7	19.2
8 19	23 29.96	+ 2 0.3	3.780	4.697	5.8	19.0
8 29	23 25.59	+ 1 38.2	3.713	4.686	3.7	18.9
9 8	23 20.68	+ 1 10.3	3.675	4.675	1.7	18.7
9 18	23 15.60	+ 0 38.8	3.665	4.664	1.5	18.7
9 28	23 10.74	+ 0 6.2	3.686	4.653	3.6	18.8
10 8	23 6.50	− 0 24.9	3.735	4.643	5.8	19.0
10 18	23 3.19	− 0 52.1	3.810	4.632	7.7	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
14919 Robertohaver			9 11.4 174°.29		1°.4/ 9.9 18	R
	h m	° ′			°	m
8 9	23 41.02	− 3 10.8	1.737	2.613	13.8	18.2
8 19	23 36.33	− 4 32.7	1.670	2.615	10.0	17.9
8 29	23 29.68	− 6 8.7	1.628	2.616	5.7	17.7
9 8	23 21.77	− 7 51.2	1.611	2.617	1.7	17.4
9 18	23 13.51	− 9 31.2	1.623	2.618	4.0	17.6
9 28	23 5.93	−11 0.0	1.663	2.618	8.3	17.9
10 8	22 59.92	−12 10.9	1.728	2.618	12.3	18.1
10 18	22 56.09	−13 0.6	1.814	2.617	15.6	18.3
384403 2009 WU_{65}			9 11.4 233°.77		2°.0/ 9.5 17	
8 9	23 43.37	− 7 14.1	1.805	2.685	13.1	22.1
8 19	23 38.09	− 8 0.7	1.730	2.677	9.6	21.9
8 29	23 30.76	− 8 55.9	1.679	2.668	5.6	21.6
9 8	23 22.07	− 9 53.7	1.654	2.658	2.1	21.4
9 18	23 12.95	−10 47.3	1.656	2.649	4.4	21.5
9 28	23 4.46	−11 30.2	1.686	2.638	8.5	21.7
10 8	22 57.53	−11 58.1	1.741	2.628	12.3	21.9
10 18	22 52.84	−12 8.8	1.817	2.617	15.6	22.1
357199 2002 FZ_{40}			9 11.4 62°.39		1°.2/12.9 18	
8 9	23 37.60	+ 5 22.7	2.059	2.902	13.2	20.1
8 19	23 33.42	+ 3 54.3	2.005	2.927	9.9	19.9
8 29	23 27.77	+ 2 8.5	1.975	2.951	6.2	19.7
9 8	23 21.26	+ 0 11.4	1.973	2.975	2.3	19.5
9 18	23 14.62	− 1 49.3	2.000	3.000	2.3	19.6
9 28	23 8.62	− 3 45.0	2.057	3.024	6.0	19.8
10 8	23 3.92	− 5 28.5	2.142	3.049	9.4	20.1
10 18	23 0.94	− 6 54.9	2.251	3.073	12.3	20.3
324803 2007 HY_{46}			9 11.4 103°.54		0°.7/10.6 18	
8 9	23 37.65	− 3 15.1	2.330	3.198	11.0	21.0
8 19	23 33.43	− 4 10.0	2.263	3.203	8.0	20.9
8 29	23 27.79	− 5 14.4	2.221	3.207	4.6	20.7
9 8	23 21.29	− 6 23.4	2.206	3.212	1.2	20.4
9 18	23 14.56	− 7 31.6	2.220	3.217	2.8	20.6
9 28	23 8.32	− 8 33.5	2.263	3.221	6.2	20.8
10 8	23 3.22	− 9 24.7	2.332	3.225	9.4	21.0
10 18	22 59.71	−10 2.4	2.426	3.230	12.1	21.2
255448 2005 YB_{26}			9 11.4 229°.41		0°.8/10.4 18	
8 9	23 39.01	− 4 50.3	2.565	3.431	10.2	21.3
8 19	23 34.37	− 5 29.6	2.484	3.424	7.4	21.1
8 29	23 28.35	− 6 16.4	2.429	3.416	4.3	20.9
9 8	23 21.44	− 7 6.7	2.402	3.408	1.2	20.6
9 18	23 14.25	− 7 56.3	2.404	3.399	2.7	20.8
9 28	23 7.47	− 8 40.5	2.434	3.390	6.0	21.0
10 8	23 1.73	− 9 15.7	2.492	3.381	9.0	21.1
10 18	22 57.50	− 9 39.4	2.574	3.372	11.6	21.3
145719 1993 FG_{81}			9 11.4 223°.88		0°.8/10.7 18	
8 9	23 43.27	− 3 32.5	1.758	2.631	13.8	21.1
8 19	23 38.06	− 4 16.4	1.682	2.624	10.1	20.9
8 29	23 30.77	− 5 12.4	1.629	2.616	5.9	20.6
9 8	23 22.10	− 6 15.2	1.602	2.608	1.5	20.3
9 18	23 12.98	− 7 18.0	1.603	2.600	3.5	20.4
9 28	23 4.49	− 8 13.7	1.631	2.591	8.0	20.7
10 8	22 57.59	− 8 56.4	1.684	2.581	12.1	20.9
10 18	22 52.95	− 9 22.9	1.759	2.572	15.6	21.1
291499 2006 DU_{143}			9 11.4 316°.50		1°.1/10.4 18	
8 9	23 38.90	− 3 33.8	1.450	2.340	15.2	20.6
8 19	23 35.24	− 4 24.9	1.375	2.325	11.2	20.3
8 29	23 29.29	− 5 31.4	1.321	2.311	6.5	20.0
9 8	23 21.75	− 6 46.9	1.291	2.297	1.7	19.7
9 18	23 13.64	− 8 2.6	1.287	2.284	4.2	19.8
9 28	23 6.20	− 9 9.3	1.308	2.271	9.2	20.1
10 8	23 0.51	− 9 59.6	1.352	2.259	13.8	20.3
10 18	22 57.35	−10 29.4	1.416	2.247	17.7	20.5
164734 1998 SE_{21}			9 11.4 184°.67		0°.6/12.1 18	
8 9	23 40.68	+ 0 12.0	2.121	2.977	12.4	20.7
8 19	23 35.80	− 0 24.8	2.046	2.977	9.2	20.5
8 29	23 29.27	− 1 14.2	1.996	2.977	5.6	20.3
9 8	23 21.69	− 2 12.2	1.972	2.976	1.7	20.1
9 18	23 13.81	− 3 13.6	1.976	2.976	2.5	20.1
9 28	23 6.46	− 4 12.6	2.009	2.974	6.3	20.4
10 8	23 0.41	− 5 3.7	2.069	2.973	9.8	20.6
10 18	22 56.18	− 5 43.2	2.152	2.971	12.9	20.8
163709 2003 FY_{118}			9 11.4 88°.14		0°.5/11.9 17	
8 9	23 43.04	+ 1 16.1	1.302	2.178	17.5	19.9
8 19	23 38.17	+ 0 17.6	1.251	2.192	12.9	19.7
8 29	23 30.88	− 1 1.4	1.221	2.206	7.8	19.4
9 8	23 22.11	− 2 33.3	1.215	2.221	2.3	19.1
9 18	23 13.08	− 4 8.1	1.235	2.235	3.5	19.2
9 28	23 5.09	− 5 35.1	1.280	2.248	8.7	19.6
10 8	22 59.19	− 6 45.6	1.349	2.262	13.3	19.9
10 18	22 56.00	− 7 35.1	1.438	2.275	17.2	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
259448 2003 SQ_{54}			9 11.4 312°.85		2°.9/14.5 18	
	h m	° ′			°	m
8 9	23 38.33	+ 6 2.1	2.136	2.973	13.0	19.9
8 19	23 34.17	+ 5 55.1	2.049	2.962	10.2	19.7
8 29	23 28.38	+ 5 32.4	1.985	2.951	7.0	19.5
9 8	23 21.48	+ 4 55.8	1.946	2.940	3.8	19.2
9 18	23 14.19	+ 4 8.7	1.934	2.930	3.2	19.2
9 28	23 7.35	+ 3 16.3	1.950	2.920	6.0	19.3
10 8	23 1.72	+ 2 24.5	1.992	2.910	9.4	19.5
10 18	22 57.86	+ 1 38.3	2.058	2.900	12.5	19.7
343414 2010 CH_{184}			9 11.4 151°.41		1°.7/12.8 17	
8 9	23 52.93	+ 0 11.5	2.293	3.123	12.5	21.2
8 19	23 44.55	+ 0 39.6	2.218	3.132	9.5	21.0
8 29	23 34.34	+ 0 59.1	2.169	3.141	6.0	20.8
9 8	23 22.99	+ 1 11.1	2.148	3.149	2.6	20.6
9 18	23 11.38	+ 1 17.6	2.159	3.157	2.7	20.7
9 28	23 0.44	+ 1 21.3	2.201	3.163	6.1	20.9
10 8	22 51.02	+ 1 25.3	2.273	3.170	9.4	21.1
10 18	22 43.67	+ 1 32.2	2.369	3.175	12.3	21.3
181281 2006 KO_{82}			9 11.4 2°.15		1°.4/10.4 18	
8 9	23 34.42	− 3 47.1	0.876	1.798	19.4	19.4
8 19	23 32.72	− 4 30.9	0.828	1.794	14.2	19.1
8 29	23 28.06	− 5 34.4	0.798	1.793	8.2	18.8
9 8	23 21.44	− 6 48.0	0.787	1.793	2.1	18.4
9 18	23 14.32	− 7 59.5	0.797	1.796	5.2	18.6
9 28	23 8.36	− 8 56.6	0.828	1.800	11.3	19.0
10 8	23 4.88	− 9 30.6	0.878	1.807	16.7	19.3
10 18	23 4.57	− 9 38.5	0.944	1.815	21.3	19.6
476205 2007 UD_{71}			9 11.4 307°.87		5°.8/17.5 18	
8 9	23 38.13	+14 9.4	1.788	2.596	16.4	20.8
8 19	23 34.36	+14 2.6	1.702	2.586	13.5	20.6
8 29	23 28.64	+13 30.4	1.636	2.577	10.3	20.4
9 8	23 21.58	+12 33.0	1.593	2.568	7.2	20.2
9 18	23 14.03	+11 13.9	1.575	2.559	5.8	20.1
9 28	23 7.02	+ 9 40.2	1.584	2.551	7.5	20.2
10 8	23 1.48	+ 8 1.3	1.618	2.542	10.7	20.3
10 18	22 58.07	+ 6 26.3	1.675	2.534	14.1	20.5
79276 1995 SM_{22}			9 11.4 187°.81		1°.7/ 9.9 18	
8 9	23 44.89	− 6 31.0	1.793	2.669	13.4	21.0
8 19	23 39.14	− 7 15.8	1.724	2.669	9.7	20.8
8 29	23 31.36	− 8 9.3	1.680	2.668	5.7	20.5
9 8	23 22.26	− 9 5.6	1.661	2.666	1.9	20.3
9 18	23 12.80	− 9 58.0	1.671	2.665	4.1	20.4
9 28	23 4.05	−10 40.3	1.708	2.662	8.3	20.7
10 8	22 56.94	−11 8.1	1.771	2.659	12.1	20.9
10 18	22 52.10	−11 19.5	1.855	2.655	15.4	21.1
167352 2003 WJ_{26}			9 11.4 304°.39		5°.1/16.5 18	
8 9	23 37.36	+12 13.2	1.687	2.511	16.5	19.8
8 19	23 34.04	+11 53.6	1.586	2.484	13.5	19.6
8 29	23 28.60	+11 6.8	1.505	2.457	10.0	19.3
9 8	23 21.61	+ 9 53.1	1.446	2.430	6.6	19.0
9 18	23 13.93	+ 8 16.3	1.413	2.404	5.2	18.9
9 28	23 6.66	+ 6 24.4	1.406	2.377	7.7	19.0
10 8	23 0.86	+ 4 28.6	1.424	2.351	11.7	19.1
10 18	22 57.34	+ 2 39.5	1.465	2.326	15.6	19.3
490835 2010 VA_{225}			9 11.4 21°.49		0°.6/12.6 17	
8 9	23 32.28	+ 0 43.1	4.383	5.224	6.8	21.4
8 19	23 29.00	+ 0 15.8	4.302	5.224	5.0	21.3
8 29	23 25.01	− 0 17.6	4.247	5.224	3.1	21.1
9 8	23 20.58	− 0 55.3	4.221	5.224	1.1	21.0
9 18	23 16.03	− 1 35.2	4.225	5.224	1.3	21.0
9 28	23 11.69	− 2 14.8	4.259	5.224	3.3	21.2
10 8	23 7.90	− 2 51.7	4.322	5.224	5.2	21.3
10 18	23 4.92	− 3 24.0	4.411	5.224	6.9	21.4
77141 2001 ES_{1}			9 11.4 210°.91		4°.6/ 7.2 18	
8 9	23 46.48	−14 23.1	1.838	2.723	12.7	20.6
8 19	23 40.35	−15 24.2	1.770	2.717	9.4	20.4
8 29	23 32.10	−16 27.3	1.726	2.710	6.1	20.2
9 8	23 22.46	−17 24.9	1.709	2.702	4.6	20.1
9 18	23 12.42	−18 9.9	1.719	2.693	6.6	20.2
9 28	23 3.09	−18 36.8	1.757	2.684	10.0	20.4
10 8	22 55.45	−18 43.1	1.818	2.675	13.4	20.6
10 18	22 50.13	−18 29.3	1.900	2.664	16.3	20.8
328146 2008 CA_{10}			9 11.4 116°.92		1°.2/10.4 17	
8 9	23 43.71	− 3 55.7	1.575	2.454	14.8	21.6
8 19	23 38.37	− 4 50.1	1.519	2.464	10.8	21.3
8 29	23 30.91	− 5 56.6	1.487	2.475	6.2	21.1
9 8	23 22.14	− 7 8.4	1.479	2.485	1.7	20.8
9 18	23 13.11	− 8 17.5	1.499	2.495	3.9	21.0
9 28	23 4.94	− 9 16.2	1.545	2.505	8.4	21.3
10 8	22 58.59	− 9 59.1	1.616	2.514	12.5	21.6
10 18	22 54.65	−10 23.7	1.708	2.523	15.9	21.8

348075 2003 WD_{38} 9 11.4 306°.57 6°.5/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.99	−20 27.4	1.698	2.588	13.3	20.0
8 19	23 40.86	−21 7.5	1.635	2.579	10.2	19.8
8 29	23 32.43	−21 42.6	1.595	2.570	7.5	19.6
9 8	23 22.55	−22 5.2	1.580	2.561	6.5	19.5
9 18	23 12.31	−22 9.0	1.592	2.553	8.3	19.6
9 28	23 2.94	−21 50.5	1.628	2.545	11.4	19.8
10 8	22 55.48	−21 10.0	1.688	2.537	14.6	20.0
10 18	22 50.56	−20 9.9	1.767	2.530	17.5	20.2

61621 2000 QY_{100} 9 11.4 33°.59 3°.7/ 8.3 18

8 9	23 40.90	− 9 37.2	1.355	2.257	15.2	19.0
8 19	23 36.59	−10 44.0	1.307	2.264	11.0	18.7
8 29	23 29.95	−11 58.1	1.282	2.273	6.5	18.5
9 8	23 21.90	−13 10.2	1.280	2.282	3.7	18.4
9 18	23 13.58	−14 11.1	1.304	2.291	6.2	18.6
9 28	23 6.24	−14 53.4	1.352	2.301	10.4	18.8
10 8	23 0.88	−15 13.5	1.422	2.311	14.4	19.1
10 18	22 58.10	−15 10.9	1.512	2.322	17.8	19.4

281250 2007 MD_{26} 9 11.4 25°.38 11°.8/ 2.9 18

8 9	23 44.18	−28 30.2	1.174	2.080	16.8	19.1
8 19	23 39.25	−29 54.6	1.153	2.093	13.9	19.0
8 29	23 31.52	−31 0.9	1.152	2.108	12.1	19.0
9 8	23 22.27	−31 37.4	1.172	2.123	12.1	19.0
9 18	23 13.01	−31 37.6	1.213	2.140	13.8	19.2
9 28	23 5.27	−31 1.0	1.274	2.158	16.4	19.4
10 8	23 0.09	−29 52.1	1.354	2.177	19.0	19.6
10 18	22 57.93	−28 18.1	1.450	2.197	21.3	19.9

14270 2000 AB_{189} 9 11.4 302°.51 2°.0/13.7 18

8 9	23 38.31	+ 5 45.4	1.810	2.658	14.6	18.2
8 19	23 34.34	+ 4 52.0	1.736	2.657	11.2	18.0
8 29	23 28.53	+ 3 38.0	1.683	2.657	7.3	17.8
9 8	23 21.54	+ 2 7.7	1.656	2.656	3.3	17.5
9 18	23 14.20	+ 0 28.0	1.656	2.656	2.8	17.5
9 28	23 7.45	− 1 12.4	1.685	2.655	6.7	17.8
10 8	23 2.14	− 2 44.9	1.739	2.655	10.7	18.0
10 18	22 58.85	− 4 3.0	1.817	2.655	14.1	18.2

140935 2001 VM_{84} 9 11.4 41°.85 8°.4/20.6 18

8 9	23 40.03	+20 11.9	1.802	2.569	17.7	19.0
8 19	23 35.67	+20 41.6	1.735	2.579	15.2	18.8
8 29	23 29.35	+20 44.0	1.686	2.590	12.4	18.6
9 8	23 21.75	+20 17.9	1.659	2.601	9.9	18.5
9 18	23 13.81	+19 25.1	1.655	2.612	8.4	18.5
9 28	23 6.55	+18 11.2	1.676	2.624	8.9	18.5
10 8	23 0.87	+16 44.8	1.722	2.636	10.9	18.7
10 18	22 57.39	+15 15.3	1.791	2.648	13.4	18.9

107334 2001 CH_{19} 9 11.4 131°.26 0°.3/11.2 18

8 9	23 45.38	− 2 30.4	1.695	2.563	14.4	20.7
8 19	23 39.47	− 3 7.9	1.636	2.575	10.6	20.5
8 29	23 31.51	− 3 57.6	1.601	2.587	6.2	20.3
9 8	23 22.30	− 4 53.9	1.592	2.598	1.5	20.0
9 18	23 12.83	− 5 50.3	1.610	2.608	3.2	20.1
9 28	23 4.21	− 6 40.0	1.656	2.618	7.7	20.4
10 8	22 57.34	− 7 18.0	1.727	2.627	11.7	20.7
10 18	22 52.80	− 7 41.1	1.820	2.636	15.0	20.9

151396 2002 EM_{86} 9 11.4 53°.77 3°.5/ 8.5 18

8 9	23 45.49	−13 50.7	1.898	2.782	12.4	18.8
8 19	23 39.19	−14 14.3	1.858	2.805	9.0	18.6
8 29	23 31.14	−14 37.8	1.843	2.829	5.6	18.4
9 8	23 22.16	−14 55.8	1.855	2.853	3.5	18.4
9 18	23 13.16	−15 4.0	1.894	2.876	5.2	18.5
9 28	23 5.08	−14 59.5	1.961	2.900	8.4	18.8
10 8	22 58.66	−14 41.4	2.052	2.925	11.4	19.0
10 18	22 54.36	−14 10.1	2.166	2.949	14.0	19.2

68118 2001 AO_5 9 11.4 320°.62 2°.4/13.4 18

8 9	23 39.80	+ 3 22.4	1.520	2.384	16.0	18.6
8 19	23 35.84	+ 3 11.3	1.441	2.372	12.3	18.3
8 29	23 29.63	+ 2 41.1	1.383	2.360	8.0	18.0
9 8	23 21.88	+ 1 54.7	1.348	2.349	3.6	17.7
9 18	23 13.56	+ 0 57.5	1.339	2.338	3.3	17.7
9 28	23 5.87	− 0 2.9	1.355	2.328	7.8	17.9
10 8	22 59.89	− 0 58.4	1.396	2.318	12.2	18.2
10 18	22 56.36	− 1 42.5	1.458	2.309	16.2	18.4

471792 2012 VH_{41} 9 11.4 217°.71 3°.6/ 8.1 18

8 9	23 43.78	−12 19.0	1.829	2.716	12.6	21.3
8 19	23 38.31	−13 5.5	1.765	2.714	9.2	21.1
8 29	23 30.86	−13 55.2	1.725	2.711	5.7	20.9
9 8	23 22.15	−14 41.5	1.710	2.709	3.6	20.8
9 18	23 13.11	−15 18.0	1.724	2.706	5.6	20.9
9 28	23 4.80	−15 39.7	1.763	2.703	9.1	21.1
10 8	22 58.09	−15 44.1	1.828	2.700	12.6	21.3
10 18	22 53.60	−15 30.7	1.913	2.697	15.6	21.5

512773 2016 UF_{62} 9 11.4 299°.38 8°.5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.88	−24 39.4	1.651	2.541	13.6	20.5
8 19	23 40.27	−25 45.8	1.586	2.524	10.9	20.3
8 29	23 32.21	−26 44.6	1.545	2.507	8.9	20.1
9 8	23 22.53	−27 26.3	1.527	2.490	8.7	20.1
9 18	23 12.38	−27 43.3	1.535	2.473	10.6	20.2
9 28	23 3.06	−27 31.4	1.566	2.457	13.4	20.3
10 8	22 55.70	−26 51.1	1.617	2.440	16.4	20.5
10 18	22 51.01	−25 45.8	1.687	2.424	19.1	20.6

157406 2004 TK_{249} 9 11.4 255°.58 0°.5/10.9 18

8 9	23 39.59	− 3 58.5	2.327	3.195	11.1	20.5
8 19	23 34.93	− 4 28.9	2.250	3.189	8.1	20.3
8 29	23 28.75	− 5 7.5	2.197	3.183	4.7	20.1
9 8	23 21.61	− 5 50.7	2.171	3.177	1.2	19.9
9 18	23 14.17	− 6 33.9	2.173	3.171	2.7	20.0
9 28	23 7.19	− 7 12.5	2.205	3.165	6.2	20.2
10 8	23 1.37	− 7 42.6	2.262	3.159	9.5	20.4
10 18	22 57.21	− 8 1.5	2.344	3.152	12.3	20.6

193261 2000 SZ_{150} 9 11.4 322°.90 1°.4/10.5 18

8 9	23 40.52	− 5 49.5	1.269	2.168	16.3	20.0
8 19	23 36.92	− 6 8.0	1.184	2.139	12.1	19.6
8 29	23 30.58	− 6 38.9	1.120	2.112	7.2	19.3
9 8	23 22.20	− 7 16.4	1.078	2.085	2.0	18.9
9 18	23 12.94	− 7 53.3	1.061	2.058	4.6	19.0
9 28	23 4.27	− 8 21.1	1.067	2.033	10.3	19.2
10 8	22 57.61	− 8 33.5	1.094	2.009	15.5	19.5
10 18	22 53.93	− 8 27.0	1.140	1.986	20.1	19.7

351074 2003 UW_{40} 9 11.4 347°.15 3°.8/ 8.8 18

8 9	23 40.71	−11 20.4	1.234	2.142	15.9	19.4
8 19	23 36.85	−11 48.4	1.171	2.131	11.7	19.1
8 29	23 30.34	−12 21.5	1.130	2.121	7.1	18.8
9 8	23 22.08	−12 52.0	1.111	2.113	3.9	18.6
9 18	23 13.30	−13 12.0	1.115	2.106	6.4	18.7
9 28	23 5.45	−13 15.2	1.143	2.100	11.1	19.0
10 8	22 59.74	−12 58.4	1.192	2.095	15.6	19.2
10 18	22 56.92	−12 21.8	1.260	2.092	19.4	19.5

241573 1995 QE_9 9 11.4 247°.31 1°.8/15.2 18

8 9	23 32.84	+ 7 4.7	4.555	5.363	7.1	20.3
8 19	23 29.41	+ 6 53.9	4.465	5.359	5.6	20.1
8 29	23 25.26	+ 6 35.2	4.401	5.356	3.9	20.0
9 8	23 20.68	+ 6 9.9	4.364	5.352	2.3	19.9
9 18	23 15.97	+ 5 39.4	4.357	5.349	1.9	19.9
9 28	23 11.45	+ 5 6.0	4.379	5.345	3.1	20.0
10 8	23 7.46	+ 4 31.9	4.431	5.342	4.8	20.1
10 18	23 4.26	+ 3 59.4	4.509	5.338	6.5	20.2

312529 2009 DY_{109} 9 11.4 171°.00 1°.2/12.3 17

8 9	23 47.01	+ 0 7.6	1.566	2.428	15.7	21.1
8 19	23 40.95	− 0 3.9	1.498	2.431	11.8	20.8
8 29	23 32.55	− 0 30.3	1.452	2.433	7.3	20.6
9 8	23 22.63	− 1 7.8	1.431	2.435	2.5	20.3
9 18	23 12.29	− 1 50.7	1.436	2.436	3.1	20.3
9 28	23 2.77	− 2 32.4	1.469	2.437	7.9	20.6
10 8	22 55.16	− 3 6.6	1.527	2.437	12.3	20.9
10 18	22 50.12	− 3 29.1	1.606	2.437	16.0	21.1

340548 2006 KW_{31} 9 11.4 180°.23 3°.9/15.7 18

8 9	23 41.05	+ 9 41.4	2.039	2.857	14.3	21.6
8 19	23 36.20	+ 9 29.5	1.960	2.857	11.4	21.4
8 29	23 29.60	+ 8 58.2	1.903	2.858	8.1	21.2
9 8	23 21.85	+ 8 9.3	1.871	2.858	5.0	21.1
9 18	23 13.75	+ 7 6.5	1.866	2.858	4.0	21.0
9 28	23 6.20	+ 5 55.8	1.889	2.857	6.4	21.1
10 8	23 0.00	+ 4 44.5	1.939	2.856	9.6	21.3
10 18	22 55.74	+ 3 38.7	2.013	2.855	12.7	21.5

225782 2001 TW_{162} 9 11.4 33°.01 0°.6/11.9 17

8 9	23 42.57	− 1 25.9	1.157	2.048	18.1	19.9
8 19	23 38.03	− 1 38.8	1.112	2.061	13.4	19.7
8 29	23 30.88	− 2 8.2	1.087	2.075	8.0	19.4
9 8	23 22.18	− 2 48.5	1.085	2.091	2.3	19.1
9 18	23 13.24	− 3 31.9	1.106	2.107	3.6	19.3
9 28	23 5.48	− 4 10.3	1.152	2.124	9.0	19.6
10 8	23 0.00	− 4 37.2	1.220	2.142	13.7	20.0
10 18	22 57.38	− 4 48.8	1.307	2.160	17.6	20.3

300852 2007 YR_{30} 9 11.4 274°.02 0°.5/11.9 18

8 9	23 41.38	− 1 2.9	1.925	2.789	13.1	20.7
8 19	23 36.53	− 1 22.9	1.848	2.783	9.8	20.5
8 29	23 29.83	− 1 55.0	1.793	2.776	5.9	20.3
9 8	23 21.92	− 2 35.3	1.765	2.770	1.8	20.0
9 18	23 13.62	− 3 19.2	1.764	2.763	2.7	20.0
9 28	23 5.88	− 4 0.8	1.790	2.757	6.8	20.3
10 8	22 59.56	− 4 35.1	1.843	2.750	10.7	20.5
10 18	22 55.26	− 4 58.4	1.918	2.744	14.0	20.7

225220 2008 RX_{128} 9 11.4 223.°87 1.°0/13.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 32.37	+ 2 46.6	4.672	5.502	6.6	20.9
8 19	23 29.05	+ 2 26.7	4.586	5.499	5.0	20.8
8 29	23 25.05	+ 2 0.4	4.526	5.497	3.2	20.7
9 8	23 20.64	+ 1 29.2	4.494	5.494	1.5	20.6
9 18	23 16.10	+ 0 55.0	4.493	5.491	1.3	20.5
9 28	23 11.76	+ 0 19.8	4.521	5.488	3.0	20.7
10 8	23 7.93	− 0 14.0	4.578	5.485	4.8	20.8
10 18	23 4.85	− 0 44.5	4.663	5.482	6.4	20.9

390387 2013 WJ_{63} 9 11.4 101.°26 6.°0/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.66	+14 0.6	1.859	2.659	16.1	20.5
8 19	23 36.79	+14 11.6	1.787	2.665	13.3	20.4
8 29	23 30.00	+13 59.5	1.735	2.671	10.1	20.2
9 8	23 21.97	+13 24.6	1.707	2.678	7.2	20.0
9 18	23 13.57	+12 29.9	1.704	2.684	6.0	20.0
9 28	23 5.83	+11 21.3	1.728	2.690	7.4	20.1
10 8	22 59.61	+10 6.8	1.777	2.696	10.3	20.3
10 18	22 55.52	+ 8 54.2	1.851	2.702	13.3	20.5

247797 2003 SN_{60} 9 11.4 328.°16 1.°9/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.26	+ 0 49.8	1.120	2.010	18.6	19.7
8 19	23 36.86	+ 0 48.6	1.048	1.994	14.2	19.4
8 29	23 30.57	+ 0 26.8	0.994	1.980	9.0	19.1
9 8	23 22.21	− 0 12.0	0.962	1.966	3.4	18.7
9 18	23 13.05	− 1 1.4	0.952	1.953	3.8	18.7
9 28	23 4.70	− 1 51.8	0.965	1.941	9.6	19.0
10 8	22 58.60	− 2 33.9	1.000	1.930	15.1	19.3
10 18	22 55.66	− 3 0.8	1.053	1.920	19.9	19.5

321524 2009 SA_{233} 9 11.4 11.°38 3.°2/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.08	−10 18.7	1.780	2.674	12.5	19.7
8 19	23 34.15	−11 17.8	1.723	2.677	9.0	19.5
8 29	23 28.41	−12 22.1	1.691	2.680	5.4	19.3
9 8	23 21.55	−13 24.8	1.683	2.684	3.2	19.2
9 18	23 14.44	−14 18.9	1.703	2.688	5.3	19.3
9 28	23 8.00	−14 58.7	1.749	2.693	8.8	19.6
10 8	23 3.06	−15 20.6	1.818	2.699	12.2	19.8
10 18	23 0.13	−15 23.8	1.908	2.705	15.1	20.0

481647 2007 VS_{144} 9 11.4 348.°27 5.°8/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 34.79	+11 28.9	1.333	2.180	18.8	20.1
8 19	23 32.41	+11 29.0	1.259	2.170	15.3	19.8
8 29	23 27.72	+10 59.6	1.203	2.161	11.3	19.6
9 8	23 21.44	+10 1.5	1.167	2.153	7.5	19.3
9 18	23 14.59	+ 8 39.4	1.155	2.147	5.9	19.2
9 28	23 8.44	+ 7 2.7	1.167	2.141	8.4	19.4
10 8	23 4.09	+ 5 23.4	1.201	2.138	12.5	19.6
10 18	23 2.30	+ 3 52.6	1.257	2.135	16.5	19.8

68680 2002 CV_{134} 9 11.5 93.°53 2.°9/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.61	+10 23.0	2.351	3.162	12.8	19.1
8 19	23 33.40	+ 9 24.1	2.282	3.177	10.1	19.0
8 29	23 27.81	+ 8 6.3	2.235	3.191	7.0	18.8
9 8	23 21.39	+ 6 33.1	2.215	3.206	4.0	18.6
9 18	23 14.78	+ 4 49.8	2.225	3.220	3.0	18.6
9 28	23 8.70	+ 3 3.5	2.264	3.234	5.3	18.8
10 8	23 3.77	+ 1 21.4	2.331	3.247	8.3	19.0
10 18	23 0.42	− 0 10.8	2.425	3.261	11.1	19.2

432629 2010 VC_{94} 9 11.5 346.°19 2.°0/ 7.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 34.07	−13 35.1	4.107	4.985	6.4	21.2
8 19	23 30.36	−14 7.4	4.039	4.984	4.6	21.1
8 29	23 25.85	−14 40.3	3.999	4.983	2.9	21.0
9 8	23 20.87	−15 11.2	3.987	4.982	2.0	20.9
9 18	23 15.75	−15 37.5	4.005	4.981	3.0	21.0
9 28	23 10.91	−15 57.2	4.051	4.980	4.8	21.1
10 8	23 6.68	−16 8.7	4.125	4.980	6.5	21.3
10 18	23 3.37	−16 11.3	4.223	4.979	8.1	21.4

451207 2009 VV_{37} 9 11.5 284.°15 2.°3/ 8.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.33	−10 28.9	2.735	3.607	9.4	22.7
8 19	23 36.20	−11 10.1	2.628	3.571	6.9	22.5
8 29	23 29.57	−11 55.6	2.548	3.534	4.2	22.2
9 8	23 21.89	−12 41.3	2.495	3.496	2.3	22.1
9 18	23 13.74	−13 22.8	2.473	3.458	3.9	22.1
9 28	23 5.84	−13 55.7	2.479	3.419	6.9	22.3
10 8	22 58.89	−14 17.0	2.513	3.380	9.8	22.4
10 18	22 53.43	−14 24.9	2.570	3.340	12.4	22.5

218548 2004 YV_5 9 11.5 302.°47 2.°0/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.68	− 4 7.9	2.085	2.963	11.7	19.8
8 19	23 33.17	− 5 53.5	1.986	2.933	8.5	19.5
8 29	23 27.94	− 7 54.8	1.913	2.903	4.9	19.2
9 8	23 21.49	−10 5.0	1.868	2.872	2.0	19.0
9 18	23 14.50	−12 15.0	1.853	2.842	4.4	19.1
9 28	23 7.83	−14 15.3	1.867	2.812	8.3	19.3
10 8	23 2.31	−15 58.0	1.907	2.782	12.0	19.4
10 18	22 58.61	−17 18.3	1.969	2.752	15.2	19.6

217206 2002 TG_{224} 9 11.5 338.°42 1.°1/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.34	− 0 57.2	1.100	1.997	18.3	19.9
8 19	23 36.18	− 0 58.6	1.031	1.982	13.9	19.5
8 29	23 30.16	− 1 18.3	0.981	1.969	8.6	19.2
9 8	23 22.12	− 1 52.2	0.951	1.957	2.8	18.8
9 18	23 13.34	− 2 33.4	0.945	1.946	3.8	18.9
9 28	23 5.42	− 3 13.0	0.961	1.936	9.7	19.2
10 8	22 59.75	− 3 42.5	0.998	1.928	15.1	19.5
10 18	22 57.21	− 3 56.3	1.053	1.921	19.8	19.7

11458 Rosemarypike 9 11.5 331.°72 1.°8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.91	+ 0 56.5	1.877	2.735	13.7	17.6
8 19	23 37.00	+ 1 6.0	1.798	2.727	10.4	17.4
8 29	23 30.16	+ 1 3.3	1.741	2.719	6.6	17.2
9 8	23 22.05	+ 0 50.5	1.710	2.712	2.8	16.9
9 18	23 13.52	+ 0 31.0	1.706	2.705	2.8	16.9
9 28	23 5.55	+ 0 9.3	1.729	2.698	6.7	17.1
10 8	22 59.03	− 0 9.7	1.777	2.692	10.5	17.4
10 18	22 54.60	− 0 22.0	1.849	2.687	13.9	17.6

515318 2012 XW_{15} 9 11.5 225.°04 7.°5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.56	+18 18.7	2.054	2.818	15.9	21.3
8 19	23 37.48	+18 51.8	1.968	2.814	13.6	21.1
8 29	23 30.47	+19 2.1	1.901	2.809	11.0	20.9
9 8	23 22.15	+18 48.3	1.858	2.804	8.7	20.8
9 18	23 13.33	+18 11.0	1.839	2.799	7.5	20.7
9 28	23 5.00	+17 14.3	1.847	2.794	8.3	20.7
10 8	22 58.08	+16 5.2	1.881	2.789	10.4	20.9
10 18	22 53.22	+14 51.5	1.938	2.783	13.0	21.0

159905 2004 VK_{13} 9 11.5 343.°17 6.°3/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 29.09	+13 20.5	1.098	1.959	21.1	18.9
8 19	23 28.60	+12 57.4	1.020	1.939	17.4	18.6
8 29	23 25.65	+11 53.8	0.958	1.921	13.0	18.3
9 8	23 20.95	+10 9.8	0.916	1.904	8.5	18.0
9 18	23 15.56	+ 7 52.1	0.895	1.890	6.3	17.8
9 28	23 10.87	+ 5 15.0	0.896	1.877	9.1	17.9
10 8	23 8.17	+ 2 37.4	0.920	1.867	14.0	18.2
10 18	23 8.30	+ 0 16.0	0.963	1.859	18.8	18.4

122927 2000 SD_{176} 9 11.5 291.°04 2.°2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.33	+ 3 10.2	2.065	2.911	13.1	19.7
8 19	23 36.48	+ 3 12.5	1.977	2.898	10.1	19.4
8 29	23 29.84	+ 3 1.3	1.912	2.885	6.6	19.2
9 8	23 21.98	+ 2 38.5	1.873	2.872	3.2	19.0
9 18	23 13.67	+ 2 7.5	1.861	2.859	2.9	18.9
9 28	23 5.82	+ 1 32.7	1.876	2.846	6.3	19.1
10 8	22 59.26	+ 0 59.5	1.919	2.833	9.9	19.3
10 18	22 54.62	+ 0 32.2	1.984	2.820	13.2	19.5

365467 2010 OP_{68} 9 11.5 301.°57 3.°0/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.66	−12 3.4	2.033	2.917	11.7	20.6
8 19	23 37.39	−12 33.2	1.961	2.909	8.5	20.4
8 29	23 30.31	−13 5.6	1.914	2.901	5.2	20.2
9 8	23 22.08	−13 35.4	1.893	2.893	3.0	20.0
9 18	23 13.52	−13 57.5	1.900	2.885	4.9	20.1
9 28	23 5.55	−14 7.7	1.934	2.877	8.2	20.3
10 8	22 59.01	−14 3.8	1.993	2.869	11.5	20.5
10 18	22 54.46	−13 45.1	2.074	2.862	14.4	20.7

337129 1999 TY_{72} 9 11.5 323.°31 0.°8/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.84	− 1 18.3	1.477	2.355	15.6	20.0
8 19	23 37.43	− 1 22.5	1.399	2.341	11.7	19.7
8 29	23 30.64	− 1 40.7	1.343	2.328	7.2	19.4
9 8	23 22.23	− 2 9.4	1.311	2.316	2.3	19.1
9 18	23 13.22	− 2 43.1	1.304	2.304	3.2	19.1
9 28	23 4.88	− 3 15.3	1.322	2.293	8.2	19.4
10 8	22 58.35	− 3 39.7	1.365	2.282	12.9	19.6
10 18	22 54.38	− 3 52.1	1.427	2.272	16.9	19.9

121335 1999 TO_4 9 11.5 285.°78 10.°9/ 8.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.74	−26 34.4	1.026	1.911	20.4	19.1
8 19	23 56.95	−26 44.3	0.965	1.900	16.4	18.8
8 29	23 42.65	−26 34.8	0.922	1.889	12.7	18.6
9 8	23 25.38	−25 52.1	0.902	1.878	10.9	18.4
9 18	23 7.50	−24 28.7	0.905	1.868	12.7	18.5
9 28	22 51.67	−22 26.3	0.932	1.857	16.8	18.7
10 8	22 39.80	−19 55.3	0.979	1.847	21.2	18.9
10 18	22 32.71	−17 8.0	1.045	1.837	25.2	19.2

129537 1996 KA_2 9 11.5 351.°76 1.°8/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.07	+ 2 47.7	0.999	1.895	19.8	18.1
8 19	23 33.84	+ 2 14.9	0.938	1.888	15.1	17.8
8 29	23 28.77	+ 1 14.2	0.896	1.883	9.5	17.5
9 8	23 21.76	− 0 8.4	0.874	1.878	3.6	17.1
9 18	23 14.13	− 1 42.6	0.874	1.875	3.8	17.1
9 28	23 7.48	− 3 14.7	0.896	1.874	9.8	17.5
10 8	23 3.13	− 4 32.1	0.939	1.873	15.3	17.8
10 18	23 1.90	− 5 26.8	1.000	1.874	20.1	18.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
394667 2008 CD_{32}			9 11.5 341°74		4°5/ 6.4 18	
	h m	° ′			°	m
8 9	23 35.50	−10 13.2	1.548	2.452	13.5	19.8
8 19	23 32.62	−12 7.1	1.485	2.444	9.8	19.5
8 29	23 27.71	−14 10.8	1.445	2.435	6.1	19.3
9 8	23 21.44	−16 13.6	1.431	2.428	4.6	19.2
9 18	23 14.74	−18 4.2	1.444	2.421	7.2	19.3
9 28	23 8.69	−19 32.7	1.482	2.415	11.1	19.6
10 8	23 4.24	−20 33.6	1.542	2.410	14.8	19.8
10 18	23 2.05	−21 5.5	1.621	2.405	17.9	20.0
507368 2011 YQ_{42}			9 11.5 133°07		8°0/24.4 18	
8 9	23 42.79	+29 7.1	3.089	3.736	13.2	21.9
8 19	23 37.09	+29 45.6	3.011	3.750	11.8	21.8
8 29	23 29.99	+30 3.9	2.952	3.764	10.3	21.7
9 8	23 21.99	+30 0.6	2.915	3.778	9.0	21.6
9 18	23 13.72	+29 35.6	2.902	3.790	8.1	21.6
9 28	23 5.86	+28 51.2	2.915	3.803	8.0	21.6
10 8	22 59.06	+27 51.8	2.954	3.815	8.7	21.7
10 18	22 53.81	+26 43.0	3.018	3.826	9.8	21.8
424525 2008 EN_{72}			9 11.5 137°88		2°3/ 9.3 16	
8 9	23 44.84	− 7 32.6	1.737	2.617	13.6	22.4
8 19	23 39.09	− 8 30.2	1.681	2.627	9.8	22.2
8 29	23 31.33	− 9 35.5	1.649	2.637	5.7	21.9
9 8	23 22.35	−10 41.6	1.643	2.647	2.4	21.8
9 18	23 13.12	−11 41.2	1.665	2.655	4.6	21.9
9 28	23 4.71	−12 28.0	1.714	2.664	8.6	22.2
10 8	22 58.01	−12 58.0	1.788	2.671	12.3	22.4
10 18	22 53.58	−13 9.9	1.883	2.679	15.4	22.7
419348 2009 WS_{187}			9 11.5 17°02		7°8/21.5 17	
8 9	23 37.59	+21 59.4	2.153	2.897	15.9	20.5
8 19	23 33.72	+22 16.4	2.074	2.899	13.7	20.4
8 29	23 28.18	+22 8.6	2.014	2.903	11.4	20.2
9 8	23 21.55	+21 34.9	1.975	2.906	9.2	20.1
9 18	23 14.58	+20 36.9	1.961	2.910	7.9	20.0
9 28	23 8.12	+19 19.2	1.973	2.914	8.2	20.1
10 8	23 2.96	+17 49.2	2.010	2.919	9.8	20.2
10 18	22 59.64	+16 15.0	2.071	2.924	12.0	20.3
323515 2004 RJ_{66}			9 11.5 327°47		0°5/11.1 17	
8 9	23 39.41	− 4 11.3	1.619	2.503	14.1	20.4
8 19	23 35.58	− 4 25.0	1.529	2.476	10.5	20.2
8 29	23 29.55	− 4 49.8	1.461	2.450	6.3	19.9
9 8	23 21.96	− 5 21.4	1.418	2.424	1.6	19.5
9 18	23 13.72	− 5 54.6	1.401	2.399	3.4	19.6
9 28	23 5.97	− 6 22.9	1.409	2.375	8.3	19.8
10 8	22 59.79	− 6 41.0	1.441	2.352	12.8	20.0
10 18	22 55.96	− 6 45.1	1.493	2.330	16.7	20.2
355496 2007 XB_{30}			9 11.5 295°93		4°0/15.4 18	
8 9	23 39.59	+ 8 45.8	1.850	2.680	15.0	20.4
8 19	23 35.40	+ 8 39.0	1.765	2.671	12.0	20.2
8 29	23 29.28	+ 8 11.9	1.701	2.661	8.5	20.0
9 8	23 21.87	+ 7 25.9	1.662	2.651	5.2	19.7
9 18	23 13.98	+ 6 24.9	1.648	2.642	4.1	19.7
9 28	23 6.61	+ 5 15.3	1.662	2.633	6.8	19.8
10 8	23 0.66	+ 4 4.8	1.702	2.624	10.5	20.0
10 18	22 56.79	+ 3 0.3	1.764	2.615	13.9	20.2
95487 2002 ER_{24}			9 11.5 33°78		0°3/11.2 18	
8 9	23 40.35	− 3 23.6	1.806	2.682	13.3	19.6
8 19	23 35.73	− 3 47.9	1.749	2.691	9.7	19.4
8 29	23 29.33	− 4 22.3	1.715	2.702	5.7	19.2
9 8	23 21.84	− 5 2.2	1.707	2.713	1.4	18.9
9 18	23 14.13	− 5 42.3	1.725	2.724	3.0	19.1
9 28	23 7.14	− 6 16.9	1.771	2.736	7.1	19.3
10 8	23 1.66	− 6 41.9	1.842	2.748	10.8	19.6
10 18	22 58.21	− 6 54.4	1.935	2.760	13.9	19.8
515404 2013 HB_{2}			9 11.5 111°56		2°6/ 8.2 18	
8 9	23 38.66	− 9 55.7	2.315	3.198	10.5	21.8
8 19	23 34.23	−11 0.1	2.256	3.203	7.6	21.6
8 29	23 28.35	−12 9.0	2.221	3.209	4.5	21.5
9 8	23 21.58	−13 16.9	2.214	3.214	2.6	21.3
9 18	23 14.60	−14 17.9	2.236	3.220	4.4	21.5
9 28	23 8.14	−15 7.2	2.286	3.225	7.4	21.7
10 8	23 2.86	−15 41.6	2.361	3.230	10.2	21.9
10 18	22 59.22	−15 59.8	2.459	3.235	12.7	22.1
167061 2003 QB_{88}			9 11.5 1°60		0°8/12.1 18	
8 9	23 40.21	− 0 15.4	1.433	2.312	15.9	19.9
8 19	23 36.15	− 0 36.4	1.369	2.311	11.9	19.6
8 29	23 29.82	− 1 13.7	1.325	2.310	7.3	19.4
9 8	23 22.02	− 2 2.5	1.305	2.310	2.3	19.1
9 18	23 13.80	− 2 56.2	1.311	2.311	3.2	19.1
9 28	23 6.38	− 3 47.1	1.342	2.313	8.1	19.4
10 8	23 0.78	− 4 28.0	1.396	2.315	12.6	19.7
10 18	22 57.67	− 4 54.6	1.472	2.317	16.4	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
324728 2007 EC_{168}			9 11.5 83°30		1°1/10.2 18	
	h m	° ′			°	m
8 9	23 39.64	− 5 47.6	2.275	3.148	11.1	21.2
8 19	23 34.94	− 6 25.3	2.213	3.155	8.0	21.0
8 29	23 28.76	− 7 10.0	2.175	3.163	4.6	20.8
9 8	23 21.70	− 7 57.0	2.165	3.170	1.4	20.6
9 18	23 14.43	− 8 41.8	2.183	3.178	3.1	20.7
9 28	23 7.71	− 9 19.7	2.229	3.185	6.5	21.0
10 8	23 2.20	− 9 47.2	2.302	3.193	9.6	21.2
10 18	22 58.36	−10 2.3	2.398	3.200	12.2	21.4
496617 2015 HD_{105}			9 11.5 98°00		4°4/ 7.2 16	
8 9	23 43.62	−13 13.1	1.747	2.637	13.0	21.7
8 19	23 38.14	−14 28.5	1.704	2.654	9.4	21.5
8 29	23 30.74	−15 45.8	1.685	2.670	6.0	21.3
9 8	23 22.22	−16 56.7	1.692	2.686	4.4	21.3
9 18	23 13.54	−17 54.0	1.727	2.702	6.4	21.4
9 28	23 5.74	−18 32.3	1.788	2.718	9.7	21.7
10 8	22 59.63	−18 49.5	1.873	2.733	12.9	21.9
10 18	22 55.74	−18 46.1	1.978	2.748	15.6	22.1
160434 2005 SM_{75}			9 11.5 309°80		0°6/10.9 18	
8 9	23 40.38	− 4 16.2	1.904	2.780	12.8	20.9
8 19	23 35.88	− 4 42.9	1.825	2.768	9.4	20.6
8 29	23 29.53	− 5 19.4	1.770	2.757	5.5	20.4
9 8	23 21.95	− 6 1.3	1.740	2.746	1.4	20.1
9 18	23 13.95	− 6 43.4	1.738	2.736	3.2	20.2
9 28	23 6.50	− 7 19.9	1.763	2.725	7.3	20.4
10 8	23 0.44	− 7 46.3	1.813	2.715	11.1	20.7
10 18	22 56.40	− 7 59.5	1.885	2.705	14.4	20.9
63513 2001 OV_{96}			9 11.5 49°60		17°1/27.9 18	R
8 9	23 42.91	+31 21.8	1.112	1.852	28.0	18.6
8 19	23 39.21	+32 53.9	1.055	1.857	25.5	18.4
8 29	23 32.16	+33 39.8	1.010	1.863	22.7	18.3
9 8	23 22.74	+33 30.7	0.977	1.869	20.0	18.1
9 18	23 12.47	+32 22.9	0.961	1.875	17.9	18.0
9 28	23 3.30	+30 21.6	0.962	1.881	17.1	18.0
10 8	22 56.88	+27 42.4	0.983	1.888	17.9	18.1
10 18	22 54.16	+24 45.5	1.023	1.895	19.9	18.2
521784 2015 SY_{27}			9 11.5 17°55		5°6/ 6.0 18	
8 9	23 41.34	−18 10.6	1.820	2.715	12.3	20.5
8 19	23 36.53	−19 8.6	1.770	2.719	9.2	20.3
8 29	23 29.84	−20 4.0	1.743	2.722	6.5	20.2
9 8	23 22.01	−20 49.8	1.743	2.727	5.7	20.1
9 18	23 13.95	−21 19.6	1.768	2.731	7.5	20.3
9 28	23 6.67	−21 29.5	1.818	2.736	10.3	20.4
10 8	23 0.99	−21 18.5	1.892	2.742	13.2	20.6
10 18	22 57.45	−20 47.9	1.985	2.748	15.8	20.8
26799 1979 XL			9 11.5 252°24		4°9/ 6.0 18	
8 9	23 41.36	−16 10.9	2.047	2.937	11.4	17.8
8 19	23 36.51	−17 22.8	1.980	2.928	8.5	17.6
8 29	23 29.86	−18 35.7	1.938	2.918	5.8	17.4
9 8	23 22.04	−19 42.2	1.922	2.908	5.0	17.4
9 18	23 13.85	−20 35.6	1.934	2.898	6.8	17.5
9 28	23 6.24	−21 10.8	1.972	2.888	9.7	17.6
10 8	23 0.02	−21 25.3	2.034	2.878	12.7	17.8
10 18	22 55.79	−21 19.2	2.116	2.868	15.3	18.0
339314 2004 XU_{105}			9 11.5 292°31		5°3/ 6.9 18	
8 9	23 43.73	−15 19.8	1.641	2.536	13.4	20.7
8 19	23 38.74	−16 17.7	1.564	2.515	10.0	20.4
8 29	23 31.42	−17 17.8	1.511	2.495	6.7	20.2
9 8	23 22.49	−18 11.8	1.482	2.474	5.3	20.1
9 18	23 12.97	−18 51.9	1.480	2.454	7.5	20.1
9 28	23 4.10	−19 11.7	1.502	2.433	11.1	20.3
10 8	22 56.98	−19 8.3	1.548	2.413	14.9	20.5
10 18	22 52.37	−18 42.3	1.612	2.392	18.2	20.7
11220 1999 JM_{25}			9 11.5 358°08		7°5/16.8 18	R
8 9	23 35.70	+10 38.5	0.940	1.815	22.6	15.9
8 19	23 33.76	+11 17.0	0.882	1.809	18.5	15.7
8 29	23 28.84	+11 21.8	0.840	1.805	13.8	15.4
9 8	23 21.86	+10 51.8	0.815	1.803	9.4	15.2
9 18	23 14.19	+ 9 50.9	0.811	1.803	7.6	15.1
9 28	23 7.52	+ 8 29.9	0.827	1.804	10.3	15.2
10 8	23 3.30	+ 7 3.3	0.862	1.807	14.9	15.5
10 18	23 2.36	+ 5 44.4	0.916	1.813	19.4	15.8
473387 2015 UX_{83}			9 11.5 300°37		9°7/31.3 18	
8 9	23 45.96	−34 8.2	2.172	3.034	11.9	20.6
8 19	23 39.91	−35 14.6	2.123	3.023	10.5	20.5
8 29	23 31.85	−36 7.0	2.097	3.013	9.7	20.4
9 8	23 22.55	−36 38.1	2.095	3.003	10.0	20.4
9 18	23 13.01	−36 42.9	2.117	2.993	11.2	20.5
9 28	23 4.28	−36 19.5	2.162	2.983	13.0	20.6
10 8	22 57.25	−35 29.7	2.228	2.973	14.9	20.7
10 18	22 52.50	−34 17.3	2.311	2.963	16.5	20.9

73396 2002 LV_{18} 9 11.5 38°.32 0°.6/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.59	− 0 29.1	1.800	2.669	13.7	19.0
8 19	23 35.14	− 0 55.3	1.750	2.687	10.1	18.8
8 29	23 28.97	− 1 34.0	1.722	2.705	6.1	18.6
9 8	23 21.79	− 2 20.7	1.719	2.725	1.9	18.4
9 18	23 14.44	− 3 10.0	1.744	2.744	2.6	18.5
9 28	23 7.84	− 3 55.7	1.796	2.764	6.6	18.8
10 8	23 2.73	− 4 33.0	1.873	2.785	10.3	19.0
10 18	22 59.60	− 4 58.5	1.973	2.805	13.4	19.3

180783 2004 RK_{146} 9 11.5 52°.41 0°.4/11.2 18

8 9	23 42.28	− 3 41.4	1.819	2.692	13.4	19.7
8 19	23 37.05	− 4 4.1	1.772	2.713	9.7	19.5
8 29	23 30.06	− 4 36.2	1.748	2.734	5.7	19.4
9 8	23 22.07	− 5 12.9	1.750	2.756	1.4	19.1
9 18	23 13.95	− 5 49.1	1.779	2.777	2.9	19.3
9 28	23 6.64	− 6 19.7	1.836	2.799	7.0	19.6
10 8	23 0.90	− 6 40.8	1.918	2.821	10.5	19.8
10 18	22 57.20	− 6 50.0	2.022	2.843	13.5	20.1

153287 2001 EY_{24} 9 11.5 154°.62 6°.0/ 3.2 18

8 9	23 40.81	−24 5.8	2.631	3.511	9.5	20.1
8 19	23 35.73	−25 19.3	2.584	3.515	7.5	19.9
8 29	23 29.22	−26 27.2	2.563	3.520	6.2	19.9
9 8	23 21.86	−27 23.6	2.570	3.524	6.1	19.9
9 18	23 14.31	−28 3.9	2.603	3.528	7.4	20.0
9 28	23 7.30	−28 25.2	2.663	3.532	9.3	20.1
10 8	23 1.48	−28 26.9	2.746	3.535	11.3	20.2
10 18	22 57.28	−28 10.2	2.849	3.538	13.0	20.4

121891 2000 DP_{21} 9 11.5 283°.70 2°.0/13.6 18

8 9	23 40.61	+ 3 8.8	2.326	3.167	12.0	19.8
8 19	23 35.75	+ 3 8.3	2.243	3.161	9.2	19.6
8 29	23 29.34	+ 2 55.9	2.183	3.155	6.0	19.4
9 8	23 21.92	+ 2 33.4	2.150	3.149	2.9	19.2
9 18	23 14.16	+ 2 3.8	2.145	3.143	2.6	19.1
9 28	23 6.84	+ 1 31.2	2.168	3.137	5.6	19.3
10 8	23 0.69	+ 1 0.1	2.218	3.131	8.9	19.5
10 18	22 56.21	+ 0 34.4	2.293	3.125	11.8	19.7

289008 2004 TG_{88} 9 11.5 199°.40 3°.2/ 7.9 18

8 9	23 42.88	−14 7.3	2.457	3.336	10.1	21.1
8 19	23 37.26	−14 40.0	2.390	3.334	7.4	20.9
8 29	23 30.15	−15 13.1	2.349	3.332	4.7	20.8
9 8	23 22.11	−15 42.2	2.335	3.330	3.2	20.7
9 18	23 13.84	−16 3.0	2.350	3.328	4.7	20.8
9 28	23 6.12	−16 12.2	2.393	3.325	7.5	20.9
10 8	22 59.60	−16 8.2	2.462	3.323	10.2	21.1
10 18	22 54.79	−15 50.8	2.554	3.320	12.6	21.3

144089 2004 BV_{55} 9 11.5 33°.30 4°.5/15.2 18

8 9	23 42.75	+ 7 28.1	1.617	2.456	16.4	19.1
8 19	23 37.78	+ 7 51.6	1.554	2.465	12.9	18.9
8 29	23 30.70	+ 7 55.6	1.512	2.474	9.1	18.7
9 8	23 22.29	+ 7 41.2	1.494	2.483	5.6	18.5
9 18	23 13.52	+ 7 11.5	1.501	2.493	4.7	18.5
9 28	23 5.54	+ 6 32.5	1.534	2.504	7.4	18.7
10 8	22 59.29	+ 5 51.1	1.592	2.514	11.0	18.9
10 18	22 55.38	+ 5 13.6	1.672	2.526	14.4	19.1

221759 2007 FZ_{12} 9 11.5 153°.85 3°.2/15.3 18

8 9	23 43.21	+ 7 53.0	2.773	3.577	11.2	20.6
8 19	23 37.37	+ 8 8.8	2.693	3.584	8.9	20.4
8 29	23 30.17	+ 8 12.4	2.638	3.590	6.3	20.3
9 8	23 22.12	+ 8 4.5	2.610	3.595	4.0	20.1
9 18	23 13.82	+ 7 47.0	2.612	3.600	3.3	20.1
9 28	23 5.94	+ 7 22.9	2.643	3.605	5.2	20.2
10 8	22 59.12	+ 6 56.0	2.702	3.610	7.7	20.4
10 18	22 53.80	+ 6 30.1	2.787	3.614	10.0	20.6

363282 2002 GJ_{160} 9 11.5 109°.55 2°.1/ 9.2 18

8 9	23 42.46	− 9 55.6	2.390	3.264	10.5	21.2
8 19	23 36.89	−10 27.4	2.334	3.277	7.6	21.1
8 29	23 29.88	−11 2.4	2.303	3.290	4.5	20.9
9 8	23 22.03	−11 36.2	2.300	3.303	2.1	20.8
9 18	23 14.03	−12 4.6	2.326	3.315	3.7	20.9
9 28	23 6.63	−12 24.1	2.381	3.327	6.7	21.1
10 8	23 0.47	−12 32.3	2.462	3.339	9.6	21.3
10 18	22 56.01	−12 28.4	2.567	3.350	12.0	21.5

28399 1999 RY_{136} 9 11.5 59°.70 2°.2/13.6 18 R

8 9	23 42.72	+ 2 49.3	2.022	2.867	13.3	18.4
8 19	23 37.38	+ 2 55.9	1.954	2.875	10.2	18.2
8 29	23 30.32	+ 2 49.4	1.910	2.882	6.6	18.0
9 8	23 22.17	+ 2 32.1	1.891	2.890	3.2	17.8
9 18	23 13.75	+ 2 7.3	1.900	2.898	2.9	17.8
9 28	23 5.96	+ 1 39.4	1.937	2.906	6.2	18.0
10 8	22 59.57	+ 1 13.2	2.001	2.914	9.6	18.3
10 18	22 55.13	+ 0 52.8	2.088	2.923	12.6	18.5

112605 2002 PZ_{60} 9 11.5 7°.82 4°.3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 38.46	− 9 16.3	1.076	1.991	17.1	18.4
8 19	23 35.38	−10 33.0	1.028	1.992	12.4	18.1
8 29	23 29.57	−12 0.2	1.000	1.993	7.4	17.8
9 8	23 22.02	−13 26.2	0.994	1.996	4.3	17.7
9 18	23 14.07	−14 38.9	1.012	2.000	7.3	17.9
9 28	23 7.19	−15 28.4	1.051	2.005	12.1	18.1
10 8	23 2.60	−15 50.1	1.111	2.011	16.7	18.4
10 18	23 0.94	−15 43.8	1.188	2.018	20.5	18.7

480316 2015 HY_{175} 9 11.5 104°.12 7°.3/ 4.9 18

8 9	23 47.65	−23 10.7	1.834	2.718	12.8	20.6
8 19	23 41.04	−24 17.5	1.799	2.735	10.0	20.5
8 29	23 32.44	−25 16.4	1.787	2.751	7.8	20.4
9 8	23 22.71	−25 59.5	1.801	2.767	7.4	20.4
9 18	23 12.91	−26 21.1	1.842	2.783	8.9	20.6
9 28	23 4.11	−26 18.6	1.907	2.798	11.4	20.7
10 8	22 57.17	−25 52.9	1.996	2.813	13.9	20.9
10 18	22 52.59	−25 7.2	2.103	2.827	16.1	21.1

315037 2007 CL_{22} 9 11.5 191°.23 2°.9/ 7.9 18

8 9	23 39.21	−10 39.7	2.272	3.155	10.7	20.9
8 19	23 34.72	−11 45.0	2.207	3.155	7.7	20.7
8 29	23 28.72	−12 54.8	2.167	3.154	4.7	20.5
9 8	23 21.77	−14 3.2	2.155	3.154	2.9	20.4
9 18	23 14.55	−15 4.3	2.171	3.153	4.7	20.5
9 28	23 7.85	−15 52.9	2.215	3.152	7.7	20.7
10 8	23 2.34	−16 25.9	2.285	3.151	10.7	20.9
10 18	22 58.53	−16 42.0	2.376	3.150	13.2	21.0

18871 Grauer 9 11.5 170°.25 4°.3/16.5 18

8 9	23 40.42	+11 59.5	2.142	2.945	14.2	17.5
8 19	23 35.73	+11 40.3	2.062	2.948	11.4	17.3
8 29	23 29.38	+11 0.5	2.004	2.950	8.3	17.1
9 8	23 21.96	+10 1.7	1.971	2.952	5.5	17.0
9 18	23 14.21	+ 8 47.9	1.965	2.953	4.3	16.9
9 28	23 6.99	+ 7 25.2	1.987	2.954	6.2	17.0
10 8	23 1.05	+ 6 0.9	2.037	2.955	9.2	17.2
10 18	22 56.95	+ 4 41.7	2.111	2.955	12.2	17.4

297172 2010 VU_{112} 9 11.5 235°.02 5°.5/ 6.9 17

8 9	23 45.43	−14 53.8	1.488	2.384	14.5	21.5
8 19	23 40.02	−16 1.4	1.429	2.380	10.7	21.2
8 29	23 32.16	−17 11.0	1.392	2.377	7.1	21.0
9 8	23 22.71	−18 13.1	1.380	2.373	5.5	20.9
9 18	23 12.85	−18 59.2	1.394	2.368	7.8	21.0
9 28	23 3.88	−19 22.9	1.433	2.364	11.5	21.3
10 8	22 56.90	−19 22.0	1.494	2.359	15.3	21.5
10 18	22 52.62	−18 57.7	1.574	2.355	18.5	21.7

291608 2006 GG_{39} 9 11.5 70°.42 0°.8/10.9 17

8 9	23 44.33	− 2 22.8	1.225	2.112	17.5	20.7
8 19	23 39.24	− 3 17.9	1.182	2.131	12.8	20.5
8 29	23 31.63	− 4 29.0	1.160	2.149	7.4	20.2
9 8	23 22.54	− 5 47.6	1.161	2.167	1.8	19.9
9 18	23 13.26	− 7 3.8	1.187	2.186	4.1	20.1
9 28	23 5.15	− 8 8.1	1.239	2.204	9.3	20.5
10 8	22 59.27	− 8 53.9	1.313	2.222	13.9	20.8
10 18	22 56.20	− 9 18.7	1.407	2.241	17.7	21.1

300787 2007 VA_{312} 9 11.5 225°.19 2°.5/ 8.9 18

8 9	23 41.80	− 9 16.0	1.992	2.874	12.0	20.5
8 19	23 36.81	−10 2.6	1.924	2.871	8.7	20.3
8 29	23 30.04	−10 54.9	1.880	2.869	5.1	20.1
9 8	23 22.13	−11 47.1	1.863	2.866	2.5	19.9
9 18	23 13.91	−12 33.3	1.874	2.862	4.5	20.0
9 28	23 6.29	−13 8.3	1.912	2.859	8.0	20.3
10 8	23 0.08	−13 28.4	1.975	2.856	11.4	20.5
10 18	22 55.85	−13 32.5	2.060	2.852	14.3	20.7

287449 2002 XR_{82} 9 11.5 357°.54 6°.0/17.5 18

8 9	23 36.13	+13 24.7	1.501	2.329	18.0	19.1
8 19	23 33.20	+13 18.8	1.428	2.325	14.8	18.8
8 29	23 28.15	+12 44.4	1.374	2.323	11.1	18.6
9 8	23 21.68	+11 42.1	1.341	2.321	7.6	18.4
9 18	23 14.75	+10 16.8	1.333	2.321	6.0	18.3
9 28	23 8.50	+ 8 37.0	1.349	2.321	7.9	18.4
10 8	23 3.91	+ 6 54.0	1.390	2.322	11.5	18.6
10 18	23 1.66	+ 5 17.9	1.453	2.324	15.1	18.9

491606 2012 TP_{25} 9 11.5 7°.47 1°.5/10.4 16

8 9	23 40.69	− 5 56.1	1.201	2.103	16.8	21.1
8 19	23 36.80	− 6 20.7	1.147	2.104	12.3	20.8
8 29	23 30.35	− 6 56.7	1.114	2.105	7.1	20.6
9 8	23 22.25	− 7 37.4	1.103	2.109	2.1	20.3
9 18	23 13.77	− 8 14.8	1.115	2.113	4.5	20.5
9 28	23 6.29	− 8 41.5	1.152	2.118	9.7	20.8
10 8	23 0.95	− 8 52.4	1.210	2.125	14.4	21.1
10 18	22 58.43	− 8 45.4	1.288	2.132	18.4	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
219475 2001 CS_{26}			9 11.5 151.°59		1.°5/13.2 18	
	h m	° ′			°	m
8 9	23 41.23	+ 1 52.0	2.478	3.320	11.3	20.3
8 19	23 36.06	+ 1 44.8	2.403	3.323	8.6	20.1
8 29	23 29.47	+ 1 27.0	2.353	3.327	5.5	19.9
9 8	23 21.99	+ 1 0.8	2.329	3.330	2.3	19.7
9 18	23 14.25	+ 0 29.4	2.334	3.333	2.2	19.7
9 28	23 6.99	− 0 3.1	2.369	3.336	5.3	19.9
10 8	23 0.85	− 0 32.9	2.431	3.339	8.4	20.1
10 18	22 56.30	− 0 56.7	2.517	3.341	11.1	20.3
15351 Yamaguchimamoru			9 11.5 307.°42		6.°4/ 7.1 18	
8 9	23 46.30	−16 58.7	1.358	2.259	15.3	17.5
8 19	23 41.16	−17 44.1	1.282	2.234	11.6	17.2
8 29	23 33.13	−18 29.6	1.226	2.210	8.0	16.9
9 8	23 23.06	−19 5.5	1.194	2.186	6.4	16.8
9 18	23 12.20	−19 23.0	1.187	2.162	8.7	16.8
9 28	23 2.11	−19 15.6	1.203	2.138	12.9	17.0
10 8	22 54.19	−18 41.7	1.241	2.116	17.1	17.2
10 18	22 49.34	−17 43.4	1.296	2.093	20.9	17.4
512706 2016 UT_{10}			9 11.5 320.°30		0.°6/10.9 18	
8 9	23 42.06	− 3 59.8	1.615	2.495	14.4	21.3
8 19	23 37.39	− 4 25.8	1.544	2.489	10.6	21.1
8 29	23 30.56	− 5 3.3	1.495	2.483	6.2	20.8
9 8	23 22.32	− 5 47.1	1.471	2.477	1.6	20.5
9 18	23 13.63	− 6 31.1	1.473	2.471	3.5	20.6
9 28	23 5.63	− 7 8.7	1.502	2.466	8.1	20.9
10 8	22 59.32	− 7 34.6	1.555	2.461	12.3	21.2
10 18	22 55.36	− 7 45.7	1.629	2.456	16.0	21.4
388556 2007 OD_{2}			9 11.5 339.°93		7.°5/ 4.2 18	
8 9	23 39.50	−18 36.3	1.446	2.354	14.0	19.7
8 19	23 35.77	−20 18.8	1.393	2.347	10.7	19.4
8 29	23 29.69	−22 0.3	1.362	2.340	8.1	19.3
9 8	23 22.10	−23 29.6	1.356	2.334	7.7	19.3
9 18	23 14.07	−24 36.4	1.374	2.329	10.0	19.4
9 28	23 6.87	−25 13.8	1.415	2.324	13.3	19.6
10 8	23 1.58	−25 20.2	1.476	2.320	16.6	19.8
10 18	22 58.84	−24 57.6	1.555	2.317	19.5	20.0
269524 2009 VX_{16}			9 11.5 140.°30		2.°9/15.4 18	
8 9	23 38.59	+ 8 8.0	2.749	3.562	11.1	20.5
8 19	23 34.05	+ 7 59.8	2.671	3.566	8.8	20.4
8 29	23 28.25	+ 7 38.2	2.616	3.571	6.2	20.2
9 8	23 21.67	+ 7 4.8	2.587	3.575	3.7	20.1
9 18	23 14.86	+ 6 22.3	2.587	3.579	3.0	20.0
9 28	23 8.45	+ 5 34.6	2.616	3.583	4.9	20.2
10 8	23 3.01	+ 4 46.1	2.673	3.586	7.5	20.3
10 18	22 58.98	+ 4 0.9	2.755	3.590	9.9	20.5
469330 2000 GJ_{63}			9 11.5 159.°34		2.°1/ 9.6 17	
8 9	23 45.77	− 8 11.5	1.874	2.750	12.9	21.8
8 19	23 39.74	− 8 52.4	1.811	2.755	9.4	21.6
8 29	23 31.78	− 9 39.7	1.773	2.761	5.5	21.4
9 8	23 22.61	−10 27.5	1.762	2.765	2.2	21.2
9 18	23 13.16	−11 9.8	1.778	2.769	4.3	21.3
9 28	23 4.46	−11 41.2	1.823	2.773	8.1	21.6
10 8	22 57.36	−11 58.4	1.892	2.776	11.7	21.8
10 18	22 52.45	−12 0.1	1.984	2.778	14.7	22.0
358166 2006 RW_{112}			9 11.5 185.°47		0.°2/11.3 18	
8 9	23 40.78	− 2 23.6	2.445	3.303	10.9	22.4
8 19	23 35.78	− 3 0.6	2.370	3.303	8.0	22.2
8 29	23 29.33	− 3 46.8	2.319	3.303	4.7	22.0
9 8	23 21.96	− 4 38.3	2.296	3.302	1.2	21.8
9 18	23 14.33	− 5 30.8	2.302	3.300	2.4	21.9
9 28	23 7.16	− 6 19.4	2.338	3.299	5.9	22.1
10 8	23 1.11	− 6 59.9	2.401	3.296	9.0	22.3
10 18	22 56.66	− 7 29.6	2.487	3.294	11.7	22.5
479638 2014 DN_{46}			9 11.5 227.°39		1.°0/12.5 18	
8 9	23 42.74	+ 0 30.4	2.020	2.874	13.0	21.9
8 19	23 37.55	+ 0 10.9	1.938	2.867	9.8	21.7
8 29	23 30.54	− 0 21.5	1.880	2.859	6.1	21.4
9 8	23 22.31	− 1 3.3	1.848	2.851	2.1	21.2
9 18	23 13.67	− 1 50.2	1.843	2.843	2.5	21.2
9 28	23 5.56	− 2 36.5	1.868	2.835	6.5	21.4
10 8	22 58.81	− 3 16.8	1.918	2.826	10.3	21.6
10 18	22 54.04	− 3 47.1	1.992	2.817	13.6	21.8
271109 2003 RV_{10}			9 11.5 24.°39		6.°3/19.6 16	
8 9	23 31.96	+23 24.7	1.125	1.928	24.3	18.9
8 19	23 30.48	+21 4.0	1.067	1.946	20.1	18.7
8 29	23 26.59	+17 45.7	1.027	1.965	15.1	18.5
9 8	23 21.27	+13 37.6	1.009	1.987	9.8	18.3
9 18	23 15.70	+ 8 58.3	1.017	2.010	6.3	18.1
9 28	23 11.18	+ 4 15.2	1.055	2.034	8.3	18.3
10 8	23 8.66	− 0 4.8	1.120	2.060	12.8	18.7
10 18	23 8.66	− 3 43.8	1.210	2.087	17.1	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
67805 2000 VF_{15}			9 11.5 321.°45		4.°5/ 8.4 18	
	h m	° ′			°	m
8 9	23 42.51	−10 54.7	1.160	2.068	16.7	18.8
8 19	23 38.49	−11 47.6	1.095	2.054	12.3	18.5
8 29	23 31.58	−12 48.9	1.050	2.041	7.5	18.2
9 8	23 22.66	−13 48.6	1.027	2.029	4.5	18.0
9 18	23 13.05	−14 36.3	1.028	2.017	7.2	18.1
9 28	23 4.37	−15 3.4	1.052	2.005	12.2	18.4
10 8	22 57.99	−15 5.2	1.097	1.995	17.0	18.6
10 18	22 54.75	−14 41.6	1.158	1.985	21.1	18.8
155869 2001 DK_{27}			9 11.5 206.°32		1.°3/ 9.9 18	
8 9	23 40.18	− 7 1.0	2.674	3.542	9.8	21.1
8 19	23 35.25	− 7 37.3	2.597	3.538	7.1	20.9
8 29	23 28.99	− 8 19.0	2.546	3.533	4.1	20.7
9 8	23 21.88	− 9 2.4	2.524	3.528	1.4	20.5
9 18	23 14.52	− 9 43.3	2.530	3.523	3.0	20.7
9 28	23 7.57	−10 17.8	2.566	3.518	6.0	20.8
10 8	23 1.64	−10 42.8	2.629	3.512	8.8	21.0
10 18	22 57.20	−10 56.6	2.716	3.506	11.3	21.2
355031 2006 RG_{21}			9 11.5 24.°09		0.°3/11.3 18	
8 9	23 40.80	− 2 48.2	1.750	2.625	13.7	20.9
8 19	23 36.24	− 3 18.9	1.686	2.628	10.1	20.7
8 29	23 29.77	− 4 1.2	1.644	2.631	5.9	20.4
9 8	23 22.10	− 4 50.2	1.628	2.634	1.5	20.2
9 18	23 14.12	− 5 40.0	1.639	2.637	3.1	20.3
9 28	23 6.82	− 6 24.2	1.676	2.641	7.4	20.6
10 8	23 1.07	− 6 57.8	1.739	2.645	11.3	20.8
10 18	22 57.44	− 7 17.7	1.824	2.649	14.6	21.0
482433 2012 CV_{51}			9 11.5 198.°55		1.°4/13.2 18	
8 9	23 41.20	+ 2 4.8	2.767	3.603	10.4	22.1
8 19	23 35.96	+ 1 57.9	2.684	3.600	7.9	21.9
8 29	23 29.40	+ 1 41.3	2.624	3.597	5.1	21.7
9 8	23 21.99	+ 1 16.9	2.593	3.593	2.2	21.5
9 18	23 14.31	+ 0 47.5	2.591	3.589	2.1	21.5
9 28	23 7.03	+ 0 16.5	2.619	3.585	4.9	21.7
10 8	23 0.73	− 0 12.3	2.674	3.580	7.8	21.9
10 18	22 55.88	− 0 35.9	2.756	3.575	10.3	22.0
430097 2013 SU_{71}			9 11.5 324.°84		4.°4/ 7.9 18	
8 9	23 39.69	− 9 40.5	1.232	2.140	16.0	20.3
8 19	23 36.24	−11 0.1	1.169	2.129	11.6	20.0
8 29	23 30.15	−12 30.9	1.126	2.118	7.1	19.7
9 8	23 22.26	−14 2.1	1.107	2.108	4.4	19.5
9 18	23 13.79	−15 22.0	1.112	2.098	7.2	19.7
9 28	23 6.15	−16 20.4	1.140	2.089	12.0	19.9
10 8	23 0.60	−16 51.4	1.189	2.080	16.5	20.2
10 18	22 57.92	−16 54.1	1.255	2.072	20.4	20.4
515322 2012 XS_{116}			9 11.5 316.°50		7.°2/18.5 18	
8 9	23 39.84	+16 9.4	1.708	2.505	17.4	20.9
8 19	23 35.83	+16 27.5	1.625	2.497	14.7	20.7
8 29	23 29.71	+16 19.4	1.562	2.490	11.5	20.5
9 8	23 22.14	+15 44.0	1.519	2.483	8.7	20.3
9 18	23 14.02	+14 43.4	1.501	2.477	7.2	20.2
9 28	23 6.46	+13 23.7	1.509	2.470	8.4	20.2
10 8	23 0.48	+11 54.1	1.541	2.464	11.3	20.4
10 18	22 56.80	+10 24.3	1.596	2.458	14.5	20.6
351874 2006 SB_{80}			9 11.5 25.°43		1.°9/13.3 18	
8 9	23 40.67	+ 2 35.5	1.686	2.546	14.9	20.5
8 19	23 36.21	+ 2 23.2	1.621	2.551	11.3	20.3
8 29	23 29.79	+ 1 54.8	1.578	2.555	7.2	20.1
9 8	23 22.13	+ 1 13.5	1.559	2.560	3.1	19.8
9 18	23 14.13	+ 0 24.6	1.566	2.566	2.9	19.8
9 28	23 6.83	− 0 25.4	1.601	2.572	6.9	20.1
10 8	23 1.12	− 1 10.2	1.660	2.578	10.9	20.3
10 18	22 57.60	− 1 44.7	1.741	2.585	14.4	20.6
520558 2014 MV_{77}			9 11.5 29.°03		3.°9/ 7.7 18	
8 9	23 42.53	−14 49.8	2.065	2.951	11.4	20.7
8 19	23 37.24	−15 25.6	2.008	2.955	8.4	20.5
8 29	23 30.24	−16 1.5	1.975	2.959	5.4	20.4
9 8	23 22.22	−16 31.8	1.968	2.963	3.9	20.3
9 18	23 13.99	−16 51.7	1.990	2.967	5.5	20.4
9 28	23 6.43	−16 57.7	2.038	2.971	8.5	20.6
10 8	23 0.31	−16 48.1	2.111	2.976	11.5	20.8
10 18	22 56.13	−16 23.4	2.205	2.980	14.0	21.0
498390 2007 XN_{24}			9 11.5 244.°85		16.°5/24.2 17	
8 9	23 47.55	+29 4.4	1.295	2.025	25.1	21.3
8 19	23 42.68	+30 54.6	1.220	2.017	22.9	21.0
8 29	23 34.41	+32 8.7	1.158	2.009	20.5	20.9
9 8	23 23.52	+32 37.1	1.112	2.001	18.3	20.7
9 18	23 11.37	+32 13.7	1.083	1.992	16.8	20.6
9 28	22 59.89	+30 59.6	1.074	1.983	16.6	20.5
10 8	22 50.88	+29 5.9	1.084	1.974	17.9	20.6
10 18	22 45.55	+26 48.7	1.113	1.964	20.2	20.7

226272 2003 AC_{70} 9 11.5 234°.36 0°.7/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.99	− 3 16.1	1.803	2.674	13.6	21.6
8 19	23 37.95	− 4 0.4	1.724	2.664	10.0	21.4
8 29	23 30.88	− 4 57.0	1.668	2.655	5.9	21.1
9 8	23 22.44	− 6 0.8	1.638	2.644	1.5	20.8
9 18	23 13.53	− 7 5.0	1.637	2.634	3.4	20.9
9 28	23 5.20	− 8 2.6	1.662	2.623	7.8	21.2
10 8	22 58.39	− 8 47.7	1.713	2.612	11.9	21.4
10 18	22 53.78	− 9 16.9	1.786	2.600	15.3	21.6

518332 2017 BM_{120} 9 11.5 350°.03 3°.1/15.2 18

8 9	23 38.60	+ 7 48.0	2.287	3.111	12.7	21.2
8 19	23 34.33	+ 7 38.5	2.207	3.111	10.0	21.0
8 29	23 28.55	+ 7 13.0	2.150	3.110	7.0	20.8
9 8	23 21.79	+ 6 33.5	2.119	3.109	4.1	20.7
9 18	23 14.74	+ 5 43.3	2.115	3.109	3.3	20.6
9 28	23 8.15	+ 4 47.2	2.139	3.108	5.6	20.8
10 8	23 2.71	+ 3 50.9	2.190	3.108	8.7	21.0
10 18	22 58.92	+ 2 59.5	2.266	3.108	11.5	21.1

129093 2004 WR_{10} 9 11.5 253°.16 0°.7/10.8 18

8 9	23 44.03	− 6 13.1	2.418	3.282	10.8	20.0
8 19	23 38.20	− 6 17.6	2.337	3.273	7.9	19.8
8 29	23 30.81	− 6 27.3	2.280	3.265	4.7	19.6
9 8	23 22.39	− 6 39.2	2.251	3.257	1.2	19.3
9 18	23 13.66	− 6 50.0	2.251	3.248	2.7	19.4
9 28	23 5.40	− 6 56.4	2.281	3.239	6.2	19.6
10 8	22 58.34	− 6 55.9	2.338	3.231	9.4	19.8
10 18	22 53.00	− 6 46.7	2.419	3.222	12.1	20.0

221873 2008 GA_{132} 9 11.5 35°.25 0°.2/11.8 18

8 9	23 37.47	+ 0 5.2	1.960	2.826	12.9	20.5
8 19	23 33.63	− 0 49.4	1.896	2.833	9.5	20.3
8 29	23 28.17	− 1 57.7	1.855	2.839	5.7	20.1
9 8	23 21.70	− 3 14.6	1.841	2.846	1.6	19.8
9 18	23 14.97	− 4 33.7	1.854	2.854	2.6	19.9
9 28	23 8.83	− 5 48.0	1.895	2.861	6.6	20.2
10 8	23 4.00	− 6 51.4	1.962	2.869	10.2	20.4
10 18	23 0.99	− 7 40.2	2.053	2.877	13.2	20.6

37267 2000 XJ_{23} 9 11.5 55°.58 4°.6/14.8 18

8 9	23 47.94	+ 6 18.7	1.487	2.329	17.5	18.1
8 19	23 41.66	+ 6 59.9	1.434	2.346	13.7	17.9
8 29	23 33.05	+ 7 21.9	1.401	2.364	9.6	17.7
9 8	23 22.99	+ 7 25.4	1.391	2.382	5.8	17.6
9 18	23 12.67	+ 7 13.0	1.408	2.400	4.9	17.6
9 28	23 3.35	+ 6 50.2	1.451	2.419	7.9	17.8
10 8	22 56.06	+ 6 23.8	1.518	2.438	11.7	18.1
10 18	22 51.42	+ 6 0.0	1.607	2.456	15.1	18.3

470581 2008 HC_{55} 9 11.5 64°.12 0°.3/11.8 16

8 9	23 43.72	− 0 27.4	1.377	2.253	16.6	21.9
8 19	23 38.58	− 1 7.4	1.333	2.274	12.2	21.7
8 29	23 31.19	− 2 3.6	1.310	2.295	7.3	21.5
9 8	23 22.49	− 3 9.3	1.311	2.317	2.0	21.3
9 18	23 13.63	− 4 16.5	1.338	2.338	3.3	21.4
9 28	23 5.82	− 5 16.7	1.392	2.360	8.2	21.8
10 8	23 0.02	− 6 3.5	1.469	2.381	12.5	22.1
10 18	22 56.78	− 6 33.3	1.567	2.403	16.1	22.3

269464 2009 SK_{348} 9 11.5 293°.86 1°.5/ 8.3 17

8 9	23 32.70	−10 7.4	4.230	5.105	6.3	20.1
8 19	23 29.47	−10 55.3	4.149	5.093	4.5	19.9
8 29	23 25.46	−11 45.7	4.095	5.081	2.7	19.8
9 8	23 20.97	−12 36.0	4.070	5.070	1.5	19.7
9 18	23 16.32	−13 23.3	4.075	5.058	2.6	19.8
9 28	23 11.89	−14 5.0	4.109	5.047	4.5	19.9
10 8	23 8.00	−14 39.1	4.172	5.035	6.3	20.0
10 18	23 4.97	−15 4.2	4.259	5.024	7.9	20.1

137374 1999 TJ_{128} 9 11.5 339°.37 3°.9/ 9.0 18

8 9	23 40.55	− 9 54.2	1.049	1.964	17.5	19.4
8 19	23 37.24	−10 31.8	0.987	1.950	12.9	19.1
8 29	23 30.93	−11 18.5	0.944	1.938	7.7	18.8
9 8	23 22.54	−12 5.0	0.923	1.926	3.9	18.5
9 18	23 13.46	−12 41.4	0.924	1.916	6.8	18.6
9 28	23 5.37	−12 59.0	0.946	1.908	12.1	18.9
10 8	22 59.69	−12 53.1	0.989	1.900	17.2	19.2
10 18	22 57.27	−12 23.2	1.048	1.894	21.5	19.4

85573 1998 CE 9 11.5 286°.63 0°.1/11.4 18

8 9	23 41.21	− 2 44.8	1.975	2.843	12.7	19.8
8 19	23 36.45	− 3 10.5	1.901	2.839	9.4	19.6
8 29	23 29.90	− 3 46.8	1.850	2.835	5.6	19.3
9 8	23 22.21	− 4 29.4	1.825	2.831	1.4	19.1
9 18	23 14.16	− 5 13.4	1.828	2.827	2.8	19.2
9 28	23 6.67	− 5 53.2	1.859	2.823	6.8	19.4
10 8	23 0.56	− 6 24.2	1.915	2.819	10.5	19.6
10 18	22 56.40	− 6 43.3	1.995	2.815	13.7	19.8

480537 2015 MK_{40} 9 11.5 8°.34 8°.5/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 38.62	−20 6.9	1.394	2.304	14.3	19.9
8 19	23 35.17	−22 16.5	1.352	2.305	11.1	19.8
8 29	23 29.37	−24 22.7	1.334	2.307	8.8	19.6
9 8	23 22.08	−26 12.1	1.339	2.309	8.9	19.7
9 18	23 14.43	−27 34.1	1.368	2.311	11.2	19.8
9 28	23 7.69	−28 22.0	1.420	2.315	14.3	20.0
10 8	23 2.88	−28 35.0	1.492	2.319	17.3	20.2
10 18	23 0.65	−28 16.2	1.580	2.323	19.9	20.4

253558 2003 SJ_{259} 9 11.5 158°.03 3°.3/ 9.0 17

8 9	23 47.85	−10 45.2	1.521	2.408	14.7	20.5
8 19	23 41.69	−11 22.7	1.462	2.411	10.8	20.3
8 29	23 33.13	−12 5.0	1.425	2.413	6.5	20.1
9 8	23 23.07	−12 44.9	1.414	2.416	3.4	19.9
9 18	23 12.66	−13 15.3	1.429	2.418	5.6	20.0
9 28	23 3.19	−13 30.7	1.471	2.420	9.8	20.3
10 8	22 55.73	−13 28.4	1.536	2.421	13.8	20.5
10 18	22 50.93	−13 8.3	1.621	2.422	17.2	20.8

280187 2002 RD_{240} 9 11.5 77°.61 1°.4/12.9 18 R

8 9	23 40.75	+ 2 41.0	1.799	2.655	14.3	21.0
8 19	23 36.15	+ 2 6.7	1.737	2.665	10.8	20.8
8 29	23 29.72	+ 1 16.3	1.698	2.676	6.8	20.6
9 8	23 22.16	+ 0 14.0	1.683	2.686	2.7	20.4
9 18	23 14.33	− 0 54.2	1.697	2.697	2.7	20.4
9 28	23 7.20	− 2 1.2	1.737	2.707	6.7	20.7
10 8	23 1.58	− 3 0.4	1.804	2.718	10.5	20.9
10 18	22 58.01	− 3 47.1	1.893	2.728	13.7	21.2

298245 2002 VC_{44} 9 11.5 346°.19 4°.5/15.8 18

8 9	23 36.64	+ 9 21.0	1.492	2.339	17.2	19.7
8 19	23 33.64	+ 9 8.7	1.416	2.331	13.7	19.5
8 29	23 28.49	+ 8 30.9	1.360	2.323	9.8	19.2
9 8	23 21.89	+ 7 29.4	1.326	2.317	5.9	19.0
9 18	23 14.78	+ 6 9.6	1.316	2.312	4.6	18.9
9 28	23 8.31	+ 4 40.1	1.332	2.307	7.6	19.1
10 8	23 3.49	+ 3 11.4	1.372	2.303	11.7	19.3
10 18	23 1.04	+ 1 52.2	1.434	2.300	15.6	19.5

203689 2002 NN_{49} 9 11.5 11°.27 4°.0/ 7.8 18

8 9	23 37.70	− 9 35.9	1.359	2.265	14.9	18.9
8 19	23 34.43	−11 0.3	1.308	2.268	10.7	18.6
8 29	23 28.91	−12 33.2	1.280	2.271	6.5	18.4
9 8	23 21.97	−14 4.4	1.275	2.275	4.0	18.3
9 18	23 14.70	−15 23.6	1.295	2.280	6.6	18.5
9 28	23 8.29	−16 22.3	1.340	2.286	10.8	18.7
10 8	23 3.73	−16 55.8	1.406	2.293	14.7	19.0
10 18	23 1.63	−17 3.7	1.492	2.301	18.1	19.2

97360 2000 AG_{32} 9 11.5 232°.02 0°.3/11.9 18

8 9	23 40.41	− 1 47.5	2.580	3.434	10.5	19.6
8 19	23 35.52	− 2 7.0	2.496	3.427	7.8	19.4
8 29	23 29.23	− 2 35.0	2.437	3.419	4.7	19.2
9 8	23 22.04	− 3 8.7	2.406	3.412	1.4	19.0
9 18	23 14.55	− 3 44.5	2.404	3.404	2.1	19.0
9 28	23 7.46	− 4 18.5	2.432	3.396	5.5	19.2
10 8	23 1.41	− 4 46.8	2.487	3.387	8.5	19.4
10 18	22 56.88	− 5 6.9	2.566	3.379	11.2	19.6

295219 2008 FD_{136} 9 11.5 80°.88 0°.4/11.2 17

8 9	23 45.32	− 2 56.9	1.463	2.341	15.8	20.8
8 19	23 39.72	− 3 31.1	1.415	2.358	11.5	20.6
8 29	23 31.90	− 4 18.1	1.388	2.375	6.8	20.4
9 8	23 22.74	− 5 11.5	1.385	2.391	1.7	20.1
9 18	23 13.38	− 6 4.4	1.410	2.408	3.5	20.3
9 28	23 5.03	− 6 49.3	1.460	2.425	8.3	20.6
10 8	22 58.64	− 7 21.1	1.535	2.441	12.5	20.9
10 18	22 54.78	− 7 37.2	1.631	2.457	16.0	21.2

261508 2005 WA_{46} 9 11.5 222°.80 1°.4/ 9.7 18

8 9	23 40.29	− 7 21.4	2.732	3.600	9.6	21.7
8 19	23 35.38	− 8 0.8	2.650	3.591	7.0	21.5
8 29	23 29.13	− 8 45.6	2.595	3.581	4.0	21.3
9 8	23 22.01	− 9 32.0	2.567	3.571	1.5	21.1
9 18	23 14.62	−10 15.8	2.569	3.561	3.1	21.2
9 28	23 7.61	−10 53.0	2.600	3.550	6.0	21.4
10 8	23 1.58	−11 20.4	2.659	3.539	8.8	21.6
10 18	22 57.00	−11 36.2	2.741	3.527	11.3	21.7

66962 1999 XL_{42} 9 11.5 203°.52 1°.2/10.4 18

8 9	23 45.30	− 5 9.5	1.832	2.703	13.4	20.2
8 19	23 39.60	− 5 49.1	1.758	2.700	9.8	19.9
8 29	23 31.85	− 6 38.5	1.708	2.695	5.7	19.7
9 8	23 22.77	− 7 32.3	1.684	2.690	1.6	19.4
9 18	23 13.27	− 8 24.3	1.689	2.684	3.6	19.5
9 28	23 4.41	− 9 8.2	1.721	2.678	7.9	19.8
10 8	22 57.14	− 9 39.2	1.778	2.671	11.8	20.0
10 18	22 52.09	− 9 54.8	1.858	2.664	15.1	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
312785 2010 VH_{90}			9 11.5	86°.00	6°.3/ 6.7 18	
	h m	° ′			°	m
8 9	23 47.25	−17 5.9	1.409	2.307	15.0	20.2
8 19	23 41.33	−18 10.0	1.365	2.315	11.2	20.0
8 29	23 32.93	−19 12.2	1.342	2.324	7.7	19.8
9 8	23 23.03	−20 2.8	1.344	2.332	6.4	19.8
9 18	23 12.90	−20 33.7	1.371	2.340	8.5	19.9
9 28	23 3.90	−20 40.3	1.422	2.349	12.0	20.1
10 8	22 57.09	−20 22.1	1.495	2.357	15.5	20.4
10 18	22 53.05	−19 41.8	1.587	2.365	18.5	20.6
199671 2006 HV			9 11.5	241°.48	0°.8/10.7 18	
8 9	23 41.82	− 3 26.9	2.009	2.877	12.5	20.6
8 19	23 36.97	− 4 15.0	1.925	2.865	9.2	20.3
8 29	23 30.29	− 5 14.6	1.866	2.852	5.4	20.1
9 8	23 22.37	− 6 20.7	1.833	2.839	1.4	19.8
9 18	23 14.01	− 7 27.2	1.828	2.825	3.2	19.9
9 28	23 6.14	− 8 27.4	1.852	2.811	7.3	20.1
10 8	22 59.60	− 9 16.0	1.902	2.797	11.1	20.3
10 18	22 55.03	− 9 49.4	1.974	2.782	14.3	20.5
317415 2002 PV_{194}			9 11.5	126°.73	2°.1/14.0 18	
8 9	23 40.49	+ 4 16.2	2.564	3.395	11.3	20.8
8 19	23 35.53	+ 4 10.4	2.490	3.401	8.7	20.6
8 29	23 29.22	+ 3 52.8	2.440	3.407	5.7	20.5
9 8	23 22.05	+ 3 25.5	2.417	3.413	2.9	20.3
9 18	23 14.66	+ 2 51.4	2.422	3.419	2.5	20.3
9 28	23 7.72	+ 2 14.3	2.457	3.425	5.1	20.5
10 8	23 1.85	+ 1 38.6	2.519	3.431	8.0	20.6
10 18	22 57.51	+ 1 7.7	2.607	3.436	10.6	20.8
19639 1999 RO_{63}			9 11.5	302°.28	1°.0/12.5 18	
8 9	23 40.62	+ 0 59.2	1.649	2.516	14.8	17.7
8 19	23 36.39	+ 0 30.2	1.572	2.507	11.2	17.5
8 29	23 30.07	− 0 15.3	1.517	2.499	6.9	17.2
9 8	23 22.34	− 1 13.4	1.486	2.490	2.4	16.9
9 18	23 14.12	− 2 17.7	1.481	2.482	2.9	16.9
9 28	23 6.50	− 3 20.6	1.504	2.473	7.5	17.2
10 8	23 0.48	− 4 15.0	1.550	2.465	11.8	17.4
10 18	22 56.72	− 4 55.8	1.619	2.457	15.5	17.7
448002 2008 CV_{213}			9 11.5	87°.30	0°.8/12.4 18	
8 9	23 41.25	+ 0 22.4	2.167	3.020	12.3	21.7
8 19	23 36.21	− 0 2.7	2.108	3.037	9.1	21.5
8 29	23 29.65	− 0 39.1	2.073	3.052	5.6	21.4
9 8	23 22.17	− 1 23.3	2.064	3.068	1.9	21.1
9 18	23 14.51	− 2 10.7	2.084	3.084	2.3	21.2
9 28	23 7.47	− 2 56.2	2.133	3.099	5.9	21.5
10 8	23 1.72	− 3 35.2	2.208	3.115	9.2	21.7
10 18	22 57.72	− 4 4.6	2.307	3.130	12.0	21.9
210969 2001 VH			9 11.5	281°.31	1°.3/10.7 17	
8 9	23 46.56	− 5 29.0	1.341	2.227	16.4	20.9
8 19	23 41.39	− 5 50.1	1.260	2.208	12.2	20.6
8 29	23 33.37	− 6 23.4	1.199	2.188	7.2	20.2
9 8	23 23.29	− 7 3.0	1.162	2.168	2.0	19.8
9 18	23 12.35	− 7 41.7	1.150	2.148	4.4	20.0
9 28	23 2.10	− 8 11.5	1.164	2.128	10.0	20.2
10 8	22 53.93	− 8 26.6	1.200	2.107	15.1	20.5
10 18	22 48.77	− 8 23.8	1.255	2.087	19.5	20.7
92295 2000 EG_{113}			9 11.5	71°.98	2°.6/ 9.5 18	
8 9	23 43.75	− 5 9.7	1.179	2.075	17.4	19.1
8 19	23 38.98	− 6 32.2	1.138	2.092	12.5	18.8
8 29	23 31.62	− 8 8.5	1.118	2.109	7.2	18.6
9 8	23 22.72	− 9 47.5	1.121	2.126	2.7	18.4
9 18	23 13.60	−11 17.5	1.150	2.143	5.5	18.6
9 28	23 5.67	−12 28.4	1.202	2.160	10.5	18.9
10 8	23 0.02	−13 14.4	1.277	2.177	15.0	19.3
10 18	22 57.22	−13 34.6	1.371	2.194	18.7	19.5
506929 2008 FF_{22}			9 11.5	140°.93	4°.4/ 7.7 17	
8 9	23 45.15	−12 42.5	1.626	2.517	13.8	22.0
8 19	23 39.59	−13 49.5	1.573	2.523	10.0	21.7
8 29	23 31.86	−14 59.7	1.542	2.528	6.3	21.5
9 8	23 22.79	−16 5.0	1.537	2.533	4.4	21.4
9 18	23 13.42	−16 57.4	1.559	2.538	6.5	21.6
9 28	23 4.92	−17 30.8	1.607	2.543	10.2	21.8
10 8	22 58.25	−17 42.9	1.679	2.547	13.7	22.0
10 18	22 54.00	−17 33.8	1.770	2.551	16.7	22.3
218457 2004 RQ_{250}			9 11.5	335°.27	11°.2/22.8 18	
8 9	23 36.64	+24 29.9	1.716	2.463	19.2	19.0
8 19	23 33.76	+25 28.3	1.622	2.442	17.1	18.8
8 29	23 28.70	+25 58.1	1.545	2.422	14.9	18.6
9 8	23 22.03	+25 54.7	1.487	2.402	12.8	18.4
9 18	23 14.63	+25 16.3	1.449	2.384	11.4	18.3
9 28	23 7.66	+24 5.7	1.434	2.366	11.4	18.3
10 8	23 2.23	+22 30.8	1.441	2.350	13.0	18.3
10 18	22 59.18	+20 42.3	1.470	2.335	15.4	18.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
488950 2005 UQ_{170}			9 11.5	299°.17	0°.2/11.4 18	
	h m	° ′			°	m
8 9	23 42.30	− 2 36.6	1.483	2.363	15.4	22.0
8 19	23 37.96	− 3 2.2	1.400	2.344	11.5	21.7
8 29	23 31.18	− 3 42.5	1.338	2.325	6.9	21.4
9 8	23 22.68	− 4 32.5	1.300	2.306	1.8	21.0
9 18	23 13.49	− 5 25.5	1.289	2.288	3.5	21.1
9 28	23 4.89	− 6 13.7	1.302	2.269	8.7	21.3
10 8	22 58.07	− 6 50.1	1.340	2.251	13.5	21.6
10 18	22 53.85	− 7 10.2	1.397	2.234	17.6	21.8
163703 2003 FY_{82}			9 11.5	42°.08	3°.9/ 8.6 18	
8 9	23 41.78	− 7 49.7	1.001	1.914	18.3	18.6
8 19	23 37.83	− 9 13.8	0.967	1.929	13.2	18.3
8 29	23 31.04	−10 48.8	0.952	1.945	7.7	18.1
9 8	23 22.58	−12 22.1	0.959	1.962	4.0	17.9
9 18	23 13.91	−13 40.9	0.989	1.980	6.9	18.2
9 28	23 6.59	−14 35.5	1.042	1.998	11.9	18.5
10 8	23 1.75	−15 1.7	1.115	2.017	16.5	18.8
10 18	22 59.95	−15 0.1	1.205	2.036	20.2	19.2
316674 1995 SH_{25}			9 11.6	189°.68	1°.4/ 9.9 18	
8 9	23 40.51	− 6 12.8	2.200	3.073	11.4	20.9
8 19	23 35.77	− 6 56.5	2.130	3.073	8.2	20.7
8 29	23 29.46	− 7 47.5	2.085	3.072	4.8	20.4
9 8	23 22.15	− 8 41.2	2.067	3.072	1.6	20.2
9 18	23 14.57	− 9 32.1	2.077	3.071	3.4	20.4
9 28	23 7.50	−10 15.2	2.116	3.070	6.9	20.6
10 8	23 1.68	−10 46.7	2.181	3.069	10.1	20.8
10 18	22 57.61	−11 4.4	2.268	3.068	12.9	21.0
320123 2007 EZ_{180}			9 11.6	304°.70	3°.8/16.4 18	
8 9	23 37.36	+11 22.3	2.252	3.060	13.4	20.6
8 19	23 33.52	+10 55.7	2.166	3.056	10.8	20.4
8 29	23 28.17	+10 9.4	2.103	3.052	7.8	20.2
9 8	23 21.82	+ 9 5.2	2.065	3.048	5.0	20.0
9 18	23 15.15	+ 7 47.1	2.054	3.044	3.9	19.9
9 28	23 8.92	+ 6 21.0	2.071	3.041	5.8	20.1
10 8	23 3.84	+ 4 54.0	2.116	3.037	8.8	20.2
10 18	23 0.42	+ 3 32.7	2.186	3.033	11.7	20.4
223155 2002 XY_{34}			9 11.6	273°.49	0°.3/11.8 18	
8 9	23 43.92	− 1 31.6	1.616	2.487	14.9	21.2
8 19	23 39.00	− 1 54.3	1.530	2.469	11.2	20.9
8 29	23 31.74	− 2 31.3	1.466	2.451	6.8	20.6
9 8	23 22.84	− 3 18.6	1.427	2.433	1.9	20.2
9 18	23 13.27	− 4 10.0	1.415	2.414	3.2	20.3
9 28	23 4.26	− 4 58.5	1.429	2.395	8.2	20.5
10 8	22 56.92	− 5 37.3	1.467	2.377	12.7	20.8
10 18	22 52.05	− 6 2.0	1.527	2.358	16.7	21.0
358733 2008 CO_{37}			9 11.6	69°.11	0°.5/12.1 18	
8 9	23 40.71	− 0 37.7	1.995	2.857	12.8	21.2
8 19	23 36.01	− 1 5.1	1.930	2.864	9.5	21.0
8 29	23 29.63	− 1 44.4	1.887	2.870	5.8	20.8
9 8	23 22.21	− 2 31.5	1.871	2.876	1.8	20.6
9 18	23 14.52	− 3 21.4	1.883	2.883	2.5	20.6
9 28	23 7.43	− 4 8.5	1.923	2.889	6.4	20.9
10 8	23 1.71	− 4 47.9	1.988	2.896	10.0	21.1
10 18	22 57.88	− 5 16.0	2.077	2.902	13.1	21.4
13036 1989 YO_{3}			9 11.6	117°.92	1°.0/10.8 18	
8 9	23 44.73	− 3 58.8	1.519	2.398	15.2	18.2
8 19	23 39.39	− 4 39.5	1.460	2.405	11.1	18.0
8 29	23 31.81	− 5 32.3	1.424	2.411	6.5	17.8
9 8	23 22.81	− 6 31.0	1.412	2.418	1.7	17.5
9 18	23 13.47	− 7 28.2	1.427	2.424	3.8	17.6
9 28	23 5.01	− 8 16.4	1.468	2.430	8.5	17.9
10 8	22 58.42	− 8 50.1	1.533	2.436	12.7	18.2
10 18	22 54.33	− 9 6.8	1.620	2.441	16.3	18.5
224824 2006 VT_{139}			9 11.6	71°.39	4°.3/15.2 17	
8 9	23 43.19	+ 8 15.6	1.453	2.296	17.8	20.3
8 19	23 38.38	+ 8 11.6	1.392	2.306	14.0	20.1
8 29	23 31.26	+ 7 43.8	1.352	2.316	9.7	19.9
9 8	23 22.68	+ 6 54.5	1.334	2.326	5.7	19.7
9 18	23 13.73	+ 5 49.3	1.341	2.337	4.5	19.7
9 28	23 5.66	+ 4 36.5	1.375	2.347	7.7	19.9
10 8	22 59.49	+ 3 25.5	1.432	2.357	11.8	20.2
10 18	22 55.87	+ 2 23.8	1.512	2.368	15.5	20.4
511603 2015 AJ_{280}			9 11.6	321°.39	8°.2/ 2.5 18	
8 9	23 34.38	−12 34.2	1.104	2.028	16.1	20.4
8 19	23 32.73	−15 50.3	1.042	2.008	11.9	20.1
8 29	23 28.35	−19 23.7	1.002	1.989	8.6	19.9
9 8	23 21.99	−22 53.8	0.987	1.971	8.9	19.8
9 18	23 14.84	−25 58.4	0.997	1.954	12.6	20.0
9 28	23 8.42	−28 20.1	1.028	1.938	17.1	20.2
10 8	23 4.15	−29 51.4	1.078	1.922	21.4	20.4
10 18	23 2.94	−30 33.1	1.142	1.908	24.9	20.6

182397 2001 QW_{297} 9 11.6 68°.44 0°.1/ 8.3 07 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 21.49	−12 14.4	49.434	50.310	0.6	23.0
8 19	23 20.94	−12 19.0	49.371	50.316	0.4	23.0
8 29	23 20.34	−12 23.6	49.336	50.322	0.3	22.9
9 8	23 19.72	−12 28.2	49.328	50.327	0.1	22.9
9 18	23 19.08	−12 32.5	49.350	50.333	0.2	22.9
9 28	23 18.47	−12 36.4	49.401	50.339	0.4	23.0
10 8	23 17.88	−12 39.8	49.480	50.345	0.6	23.0
10 18	23 17.36	−12 42.6	49.585	50.351	0.7	23.0

448692 2010 WP_{71} 9 11.6 201°.76 4°.7/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.02	+16 38.5	3.110	3.863	11.2	21.8
8 19	23 34.40	+16 35.6	3.015	3.859	9.4	21.7
8 29	23 28.57	+16 16.5	2.942	3.854	7.4	21.5
9 8	23 21.95	+15 41.7	2.895	3.849	5.6	21.4
9 18	23 15.06	+14 52.9	2.875	3.843	4.7	21.3
9 28	23 8.49	+13 53.3	2.884	3.837	5.4	21.4
10 8	23 2.79	+12 47.6	2.922	3.830	7.1	21.5
10 18	22 58.38	+11 40.5	2.986	3.823	9.2	21.6

166378 2002 LX_{43} 9 11.6 43°.72 9°.3/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.20	+21 24.7	1.673	2.436	19.0	19.2
8 19	23 36.85	+22 1.3	1.607	2.446	16.4	19.1
8 29	23 30.36	+22 8.2	1.559	2.457	13.6	18.9
9 8	23 22.46	+21 43.5	1.531	2.468	10.9	18.8
9 18	23 14.16	+20 48.6	1.526	2.479	9.4	18.7
9 28	23 6.59	+19 29.5	1.545	2.490	9.7	18.8
10 8	23 0.75	+17 55.9	1.589	2.502	11.6	18.9
10 18	22 57.27	+16 18.1	1.655	2.514	14.2	19.1

291822 2006 KB_{121} 9 11.6 129°.75 4°.3/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.55	−14 24.9	2.159	3.043	11.1	20.9
8 19	23 37.24	−15 49.3	2.111	3.057	8.1	20.7
8 29	23 30.31	−17 14.6	2.089	3.071	5.4	20.6
9 8	23 22.40	−18 33.7	2.095	3.084	4.3	20.5
9 18	23 14.31	−19 40.1	2.129	3.096	6.1	20.7
9 28	23 6.88	−20 28.9	2.191	3.108	8.9	20.9
10 8	23 0.81	−20 57.8	2.277	3.120	11.6	21.1
10 18	22 56.61	−21 7.1	2.385	3.130	13.9	21.3

398603 2011 WD_{112} 9 11.6 338°.87 0°.3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.71	− 1 42.2	1.797	2.668	13.6	21.1
8 19	23 36.27	− 2 5.0	1.725	2.664	10.1	20.9
8 29	23 29.93	− 2 40.1	1.675	2.660	6.1	20.6
9 8	23 22.35	− 3 23.3	1.651	2.656	1.7	20.3
9 18	23 14.38	− 4 9.2	1.654	2.653	2.8	20.4
9 28	23 7.02	− 4 51.6	1.683	2.650	7.1	20.7
10 8	23 1.14	− 5 25.4	1.738	2.648	11.1	20.9
10 18	22 57.35	− 5 46.9	1.815	2.645	14.4	21.1

94292 2001 DN_{95} 9 11.6 252°.16 3°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.78	+10 58.5	2.563	3.366	12.1	19.9
8 19	23 33.73	+10 17.6	2.464	3.352	9.7	19.7
8 29	23 28.28	+ 9 18.3	2.388	3.338	6.9	19.5
9 8	23 21.90	+ 8 2.3	2.338	3.324	4.3	19.3
9 18	23 15.17	+ 6 33.7	2.317	3.310	3.3	19.2
9 28	23 8.78	+ 4 58.2	2.326	3.295	5.3	19.4
10 8	23 3.39	+ 3 22.3	2.363	3.280	8.2	19.5
10 18	22 59.49	+ 1 52.4	2.427	3.265	11.0	19.7

140857 2001 UZ_{221} 9 11.6 338°.29 1°.8/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.61	− 7 2.7	1.799	2.684	13.0	20.2
8 19	23 36.19	− 7 43.0	1.731	2.679	9.4	20.0
8 29	23 29.87	− 8 31.5	1.686	2.675	5.5	19.7
9 8	23 22.33	− 9 22.3	1.667	2.671	2.0	19.5
9 18	23 14.43	−10 9.4	1.674	2.668	4.1	19.6
9 28	23 7.16	−10 46.7	1.709	2.665	8.1	19.9
10 8	23 1.38	−11 10.0	1.767	2.662	11.8	20.1
10 18	22 57.69	−11 17.3	1.848	2.659	15.0	20.3

407840 2012 BS_{29} 9 11.6 73°.59 2°.6/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.79	− 7 51.6	2.163	3.045	11.1	20.5
8 19	23 33.82	− 9 23.1	2.104	3.053	8.0	20.3
8 29	23 28.33	−11 1.7	2.071	3.060	4.7	20.1
9 8	23 21.91	−12 40.6	2.066	3.067	2.6	20.0
9 18	23 15.24	−14 12.6	2.089	3.074	4.6	20.1
9 28	23 9.11	−15 31.0	2.141	3.081	7.8	20.3
10 8	23 4.19	−16 31.6	2.219	3.088	10.8	20.6
10 18	23 0.96	−17 12.6	2.319	3.096	13.4	20.8

261551 2005 WE_{149} 9 11.6 319°.93 4°.4/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.64	−15 44.6	1.984	2.873	11.7	20.5
8 19	23 37.55	−16 27.3	1.919	2.866	8.7	20.3
8 29	23 30.63	−17 10.0	1.877	2.860	5.8	20.1
9 8	23 22.53	−17 46.4	1.862	2.854	4.4	20.0
9 18	23 14.12	−18 11.0	1.874	2.848	6.2	20.1
9 28	23 6.35	−18 19.7	1.913	2.842	9.2	20.3
10 8	23 0.04	−18 10.7	1.975	2.836	12.3	20.5
10 18	22 55.77	−17 44.5	2.059	2.831	15.0	20.7

343441 2010 DC_{78} 9 11.6 239°.08 0°.6/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.81	− 1 28.8	1.945	2.804	13.2	21.1
8 19	23 39.23	− 1 39.2	1.863	2.795	9.9	20.8
8 29	23 31.70	− 2 0.6	1.804	2.785	6.0	20.6
9 8	23 22.85	− 2 29.9	1.771	2.776	1.9	20.3
9 18	23 13.54	− 3 2.6	1.766	2.765	2.7	20.3
9 28	23 4.77	− 3 33.6	1.789	2.755	6.9	20.6
10 8	22 57.46	− 3 58.2	1.838	2.744	10.8	20.8
10 18	22 52.24	− 4 12.9	1.911	2.733	14.1	21.0

218247 2002 XU_{96} 9 11.6 340°.81 0°.9/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.60	− 3 26.5	1.079	1.985	17.9	19.6
8 19	23 35.03	− 4 0.9	1.013	1.971	13.3	19.3
8 29	23 29.68	− 4 53.5	0.966	1.958	7.8	18.9
9 8	23 22.37	− 5 57.1	0.940	1.946	2.0	18.6
9 18	23 14.38	− 7 2.0	0.937	1.936	4.5	18.7
9 28	23 7.23	− 7 57.3	0.956	1.927	10.4	19.0
10 8	23 2.30	− 8 34.4	0.996	1.920	15.8	19.3
10 18	23 0.42	− 8 48.8	1.054	1.914	20.4	19.5

142142 2002 RW_{17} 9 11.6 30°.33 0°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.38	− 0 6.5	1.144	2.037	18.1	18.9
8 19	23 35.95	− 1 4.2	1.096	2.046	13.4	18.6
8 29	23 29.96	− 2 22.9	1.067	2.055	7.9	18.4
9 8	23 22.39	− 3 54.1	1.060	2.066	2.1	18.0
9 18	23 14.46	− 5 26.9	1.077	2.077	3.8	18.2
9 28	23 7.58	− 6 49.5	1.119	2.089	9.3	18.6
10 8	23 2.85	− 7 53.3	1.182	2.102	14.2	18.9
10 18	23 0.89	− 8 33.7	1.265	2.115	18.3	19.2

228157 2009 SF_{88} 9 11.6 258°.16 4°.6/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.04	−18 17.6	2.433	3.316	10.1	19.8
8 19	23 36.84	−19 4.2	2.367	3.309	7.6	19.6
8 29	23 30.09	−19 48.9	2.325	3.302	5.4	19.5
9 8	23 22.39	−20 26.5	2.311	3.294	4.6	19.4
9 18	23 14.41	−20 52.2	2.325	3.287	6.1	19.5
9 28	23 6.96	−21 2.7	2.366	3.279	8.5	19.6
10 8	23 0.72	−20 56.6	2.432	3.271	11.0	19.8
10 18	22 56.19	−20 34.3	2.519	3.264	13.3	19.9

222469 2001 RW_{126} 9 11.6 316°.62 3°.6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.29	−10 45.1	1.422	2.318	15.0	19.7
8 19	23 39.38	−11 26.0	1.356	2.310	11.0	19.5
8 29	23 31.99	−12 12.7	1.313	2.302	6.7	19.2
9 8	23 22.95	−12 57.8	1.293	2.294	3.6	19.0
9 18	23 13.40	−13 33.4	1.298	2.287	6.0	19.1
9 28	23 4.68	−13 52.8	1.329	2.280	10.4	19.4
10 8	22 57.95	−13 52.7	1.382	2.273	14.6	19.6
10 18	22 53.92	−13 32.5	1.455	2.267	18.3	19.8

303217 2004 JG_{49} 9 11.6 167°.13 6°.3/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.22	+19 37.1	2.428	3.175	14.2	21.6
8 19	23 35.58	+19 38.6	2.343	3.178	12.1	21.5
8 29	23 29.39	+19 18.1	2.279	3.180	9.7	21.3
9 8	23 22.21	+18 35.7	2.239	3.182	7.6	21.2
9 18	23 14.71	+17 33.3	2.224	3.184	6.4	21.1
9 28	23 7.67	+16 15.4	2.237	3.186	6.9	21.2
10 8	23 1.80	+14 48.6	2.277	3.187	8.8	21.3
10 18	22 57.61	+13 20.0	2.343	3.188	11.1	21.5

513255 2006 HO_{68} 9 11.6 138°.31 3°.8/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.76	+ 9 41.6	1.835	2.661	15.3	21.0
8 19	23 35.57	+ 9 13.6	1.759	2.662	12.1	20.8
8 29	23 29.52	+ 8 23.2	1.704	2.663	8.5	20.6
9 8	23 22.26	+ 7 13.2	1.674	2.664	5.1	20.4
9 18	23 14.63	+ 5 48.5	1.670	2.665	3.9	20.3
9 28	23 7.58	+ 4 17.0	1.694	2.665	6.6	20.5
10 8	23 1.98	+ 2 47.3	1.744	2.666	10.2	20.7
10 18	22 58.43	+ 1 26.7	1.818	2.667	13.6	20.9

352153 2007 PM_{24} 9 11.6 8°.57 5°.8/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.96	+ 7 31.3	1.246	2.104	19.2	19.4
8 19	23 37.86	+ 8 21.3	1.186	2.106	15.3	19.1
8 29	23 31.17	+ 8 48.7	1.145	2.109	11.1	18.9
9 8	23 22.74	+ 8 52.9	1.124	2.113	7.1	18.7
9 18	23 13.80	+ 8 36.6	1.127	2.119	6.0	18.7
9 28	23 5.77	+ 8 5.8	1.154	2.126	8.9	18.8
10 8	22 59.86	+ 7 29.2	1.203	2.134	12.9	19.1
10 18	22 56.80	+ 6 54.8	1.272	2.144	16.8	19.4

157407 2004 TM_{250} 9 11.6 20°.07 5°.3/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 31.34	− 6 39.2	0.927	1.855	18.0	17.8
8 19	23 30.34	− 9 22.9	0.898	1.869	12.7	17.6
8 29	23 26.73	−12 20.5	0.889	1.885	7.5	17.4
9 8	23 21.53	−15 12.4	0.903	1.903	5.4	17.3
9 18	23 16.06	−17 39.8	0.940	1.923	8.8	17.6
9 28	23 11.71	−19 29.4	0.998	1.945	13.5	17.9
10 8	23 9.51	−20 36.3	1.076	1.968	17.8	18.3
10 18	23 9.98	−21 2.5	1.170	1.993	21.2	18.6

116645 2004 CT_{12} 9 11.6 209°.07 0°.6/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.80	− 0 1.3	1.732	2.594	14.5	20.7
8 19	23 38.65	− 0 35.9	1.657	2.591	10.8	20.4
8 29	23 31.41	− 1 25.6	1.604	2.586	6.6	20.2
9 8	23 22.79	− 2 25.9	1.577	2.582	2.0	19.9
9 18	23 13.72	− 3 30.5	1.577	2.577	2.9	19.9
9 28	23 5.28	− 4 32.0	1.605	2.571	7.4	20.2
10 8	22 58.45	− 5 23.8	1.658	2.565	11.6	20.5
10 18	22 53.89	− 6 1.6	1.733	2.559	15.2	20.7

207274 2005 EL_{325} 9 11.6 166°.58 7°.1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.35	−22 40.4	1.884	2.770	12.3	20.1
8 19	23 39.61	−23 45.1	1.833	2.771	9.7	20.0
8 29	23 31.86	−24 43.7	1.806	2.771	7.6	19.8
9 8	23 22.88	−25 28.2	1.804	2.772	7.2	19.8
9 18	23 13.64	−25 52.7	1.829	2.772	8.8	19.9
9 28	23 5.22	−25 53.6	1.878	2.772	11.4	20.1
10 8	22 58.50	−25 30.9	1.950	2.773	14.0	20.3
10 18	22 54.05	−24 47.3	2.042	2.773	16.4	20.4

13920 Montecorvino 9 11.6 18°.44 3°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.95	+ 1 0.3	0.747	1.660	22.8	16.3
8 19	23 37.15	+ 1 30.7	0.712	1.669	17.3	16.0
8 29	23 30.97	+ 1 36.1	0.692	1.680	11.1	15.7
9 8	23 22.69	+ 1 20.4	0.690	1.694	4.8	15.4
9 18	23 14.06	+ 0 51.2	0.708	1.709	4.5	15.5
9 28	23 6.97	+ 0 18.9	0.745	1.726	10.3	15.9
10 8	23 2.80	− 0 6.3	0.802	1.746	15.9	16.3
10 18	23 2.17	− 0 18.2	0.875	1.767	20.6	16.7

45010 1999 VS_{209} 9 11.6 217°.26 2°.2/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.30	+ 5 3.7	2.660	3.486	11.1	20.1
8 19	23 35.48	+ 4 52.6	2.572	3.480	8.6	19.9
8 29	23 29.29	+ 4 29.2	2.508	3.473	5.8	19.8
9 8	23 22.20	+ 3 55.4	2.471	3.466	3.0	19.6
9 18	23 14.81	+ 3 14.1	2.462	3.459	2.5	19.5
9 28	23 7.79	+ 2 29.3	2.484	3.452	5.1	19.7
10 8	23 1.76	+ 1 45.4	2.533	3.444	8.0	19.9
10 18	22 57.21	+ 1 6.4	2.607	3.436	10.6	20.0

263750 2008 JQ_{28} 9 11.6 27°.21 1°.2/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.77	− 4 51.3	1.842	2.723	12.8	20.3
8 19	23 34.73	− 5 39.9	1.784	2.730	9.3	20.1
8 29	23 28.96	− 6 38.1	1.749	2.737	5.4	19.8
9 8	23 22.11	− 7 40.2	1.740	2.745	1.6	19.6
9 18	23 15.02	− 8 39.9	1.758	2.753	3.5	19.8
9 28	23 8.58	− 9 30.7	1.803	2.762	7.4	20.0
10 8	23 3.55	−10 8.2	1.873	2.771	11.0	20.3
10 18	23 0.47	−10 29.9	1.965	2.780	14.1	20.5

69947 1998 UZ_{44} 9 11.6 194°.45 1°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.15	+ 3 5.4	2.508	3.349	11.2	19.5
8 19	23 33.95	+ 2 27.6	2.428	3.348	8.5	19.3
8 29	23 28.39	+ 1 37.1	2.373	3.347	5.4	19.1
9 8	23 21.96	+ 0 37.0	2.345	3.346	2.2	18.9
9 18	23 15.27	− 0 28.5	2.345	3.345	2.1	18.9
9 28	23 9.00	− 1 34.1	2.375	3.343	5.2	19.1
10 8	23 3.75	− 2 34.8	2.433	3.342	8.3	19.3
10 18	23 0.00	− 3 26.5	2.515	3.340	11.1	19.5

518876 2010 EM_{36} 9 11.6 182°.30 0°.8/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.05	+ 1 39.1	2.068	2.919	12.9	21.7
8 19	23 36.31	+ 0 50.7	1.992	2.920	9.6	21.5
8 29	23 29.89	− 0 12.4	1.941	2.920	5.9	21.2
9 8	23 22.38	− 1 25.9	1.916	2.920	2.0	21.0
9 18	23 14.54	− 2 43.9	1.920	2.919	2.4	21.0
9 28	23 7.23	− 3 59.5	1.952	2.918	6.4	21.3
10 8	23 1.23	− 5 6.6	2.011	2.917	10.0	21.5
10 18	22 57.09	− 6 0.7	2.094	2.915	13.1	21.7

516030 2015 SE_{24} 9 11.6 32°.71 1°.9/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.44	− 7 1.2	1.908	2.791	12.4	21.0
8 19	23 35.17	− 7 51.5	1.849	2.798	8.9	20.8
8 29	23 29.20	− 8 49.2	1.815	2.804	5.2	20.6
9 8	23 22.18	− 9 48.6	1.807	2.811	2.0	20.4
9 18	23 14.92	−10 43.4	1.826	2.818	4.0	20.5
9 28	23 8.29	−11 27.9	1.872	2.826	7.6	20.8
10 8	23 3.07	−11 58.1	1.943	2.834	11.1	21.0
10 18	22 59.76	−12 12.2	2.037	2.842	14.0	21.2

217554 2007 HJ_{21} 9 11.6 322°.75 5°.7/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.83	−20 1.3	1.986	2.874	11.8	19.3
8 19	23 38.48	−20 42.2	1.920	2.863	9.0	19.1
8 29	23 31.23	−21 19.3	1.878	2.852	6.6	18.9
9 8	23 22.75	−21 46.2	1.862	2.842	5.8	18.9
9 18	23 13.94	−21 57.5	1.872	2.832	7.4	19.0
9 28	23 5.79	−21 49.7	1.908	2.822	10.1	19.1
10 8	22 59.18	−21 22.2	1.968	2.813	13.0	19.3
10 18	22 54.68	−20 36.4	2.048	2.804	15.6	19.4

143343 2003 AH_{76} 9 11.6 327°.62 5°.1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.00	−15 3.7	1.479	2.379	14.3	18.8
8 19	23 38.50	−15 41.5	1.405	2.359	10.7	18.6
8 29	23 31.54	−16 20.7	1.354	2.340	7.0	18.3
9 8	23 22.89	−16 53.3	1.327	2.322	5.1	18.2
9 18	23 13.65	−17 11.8	1.324	2.304	7.3	18.3
9 28	23 5.13	−17 10.7	1.346	2.288	11.2	18.4
10 8	22 58.51	−16 47.7	1.390	2.272	15.2	18.6
10 18	22 54.54	−16 3.6	1.453	2.257	18.7	18.8

3290 Azabu 9 11.6 158°.84 0°.8/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.69	− 6 16.2	3.567	4.430	7.7	18.6
8 19	23 32.50	− 6 48.0	3.496	4.434	5.5	18.5
8 29	23 27.38	− 7 23.9	3.451	4.437	3.2	18.3
9 8	23 21.69	− 8 1.2	3.435	4.440	1.0	18.2
9 18	23 15.84	− 8 37.2	3.449	4.443	2.1	18.3
9 28	23 10.31	− 9 8.9	3.493	4.446	4.5	18.4
10 8	23 5.50	− 9 34.1	3.565	4.449	6.7	18.6
10 18	23 1.74	− 9 51.1	3.662	4.452	8.6	18.8

49231 1998 ST_{140} 9 11.6 321°.85 0°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.26	− 0 54.6	1.251	2.138	17.3	18.9
8 19	23 37.58	− 1 3.1	1.173	2.119	13.1	18.6
8 29	23 31.18	− 1 29.0	1.115	2.101	8.1	18.3
9 8	23 22.83	− 2 8.2	1.079	2.084	2.6	17.9
9 18	23 13.70	− 2 54.3	1.067	2.068	3.5	18.0
9 28	23 5.25	− 3 38.7	1.079	2.052	9.2	18.2
10 8	22 58.84	− 4 13.2	1.114	2.038	14.5	18.5
10 18	22 55.36	− 4 32.4	1.167	2.024	19.0	18.7

330358 2006 VK_{92} 9 11.6 311°.29 1°.9/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.49	+ 3 40.9	1.413	2.280	16.9	20.6
8 19	23 36.63	+ 3 5.3	1.340	2.273	12.9	20.4
8 29	23 30.41	+ 2 7.2	1.288	2.267	8.3	20.1
9 8	23 22.58	+ 0 51.0	1.259	2.261	3.4	19.8
9 18	23 14.21	− 0 35.5	1.255	2.255	3.2	19.8
9 28	23 6.55	− 2 2.5	1.277	2.250	8.1	20.1
10 8	23 0.71	− 3 20.0	1.323	2.244	12.8	20.3
10 18	22 57.44	− 4 21.0	1.389	2.239	16.9	20.6

509812 2008 VD_{32} 9 11.6 4°.00 8°.6/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.75	−20 28.2	1.192	2.105	16.0	19.9
8 19	23 37.79	−21 42.5	1.149	2.104	12.3	19.7
8 29	23 31.11	−22 51.2	1.126	2.105	9.4	19.5
9 8	23 22.74	−23 42.5	1.126	2.106	8.7	19.5
9 18	23 14.04	−24 7.4	1.148	2.109	10.9	19.6
9 28	23 6.48	−24 0.9	1.191	2.112	14.3	19.8
10 8	23 1.23	−23 24.0	1.255	2.117	17.8	20.0
10 18	22 58.91	−22 20.6	1.335	2.124	20.8	20.3

265569 2005 QT_{65} 9 11.6 42°.72 3°.2/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.45	+ 4 6.3	1.149	2.022	19.5	19.8
8 19	23 39.54	+ 4 9.9	1.109	2.042	14.9	19.6
8 29	23 32.02	+ 3 50.7	1.086	2.064	9.7	19.4
9 8	23 22.96	+ 3 12.6	1.086	2.086	4.7	19.2
9 18	23 13.71	+ 2 22.6	1.110	2.109	4.0	19.2
9 28	23 5.69	+ 1 29.7	1.157	2.132	8.4	19.5
10 8	23 0.00	+ 0 42.7	1.228	2.156	13.0	19.9
10 18	22 57.21	+ 0 7.6	1.319	2.181	16.9	20.2

325899 2010 UZ_{45} 9 11.6 354°.23 1°.7/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.05	+ 2 21.8	2.142	2.989	12.6	21.0
8 19	23 36.27	+ 2 13.4	2.066	2.988	9.6	20.8
8 29	23 29.86	+ 1 52.2	2.014	2.988	6.2	20.6
9 8	23 22.39	+ 1 20.9	1.987	2.988	2.7	20.4
9 18	23 14.60	+ 0 43.1	1.989	2.988	2.5	20.3
9 28	23 7.33	+ 0 3.7	2.018	2.988	5.9	20.6
10 8	23 1.32	− 0 32.4	2.075	2.988	9.3	20.8
10 18	22 57.12	− 1 1.3	2.155	2.988	12.4	21.0

512477 2016 QV_{61} 9 11.6 41°.71 8°.1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.48	+13 21.7	1.508	2.316	18.9	20.8
8 19	23 42.47	+14 35.2	1.441	2.321	15.7	20.6
8 29	23 33.87	+15 25.6	1.392	2.325	12.3	20.4
9 8	23 23.52	+15 49.9	1.365	2.331	9.3	20.2
9 18	23 12.58	+15 48.0	1.363	2.336	8.1	20.2
9 28	23 2.44	+15 24.1	1.387	2.342	9.6	20.3
10 8	22 54.30	+14 46.0	1.433	2.347	12.6	20.5
10 18	22 48.97	+14 2.5	1.502	2.354	15.8	20.7

76274 2000 EJ_{112} 9 11.6 276°.43 0°.1/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.90	− 2 1.4	2.362	3.222	11.2	20.3
8 19	23 35.40	− 2 28.4	2.272	3.206	8.3	20.1
8 29	23 29.35	− 3 5.2	2.206	3.189	5.0	19.9
9 8	23 22.27	− 3 48.5	2.168	3.173	1.4	19.6
9 18	23 14.81	− 4 34.1	2.158	3.157	2.4	19.6
9 28	23 7.73	− 5 17.2	2.177	3.140	6.0	19.8
10 8	23 1.74	− 5 53.3	2.222	3.124	9.4	20.0
10 18	22 57.39	− 6 19.3	2.291	3.107	12.3	20.2

129557 1996 XA_1 9 11.6 317°.56 3°.5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.04	−10 33.3	1.440	2.337	14.8	19.0
8 19	23 38.56	−11 11.7	1.367	2.321	10.9	18.7
8 29	23 31.59	−11 56.5	1.316	2.306	6.6	18.4
9 8	23 22.93	−12 40.4	1.289	2.291	3.5	18.2
9 18	23 13.66	−13 15.7	1.288	2.277	5.9	18.3
9 28	23 5.13	−13 35.5	1.311	2.263	10.4	18.5
10 8	22 58.50	−13 36.0	1.356	2.250	14.7	18.7
10 18	22 54.54	−13 16.2	1.421	2.238	18.4	19.0

36789 2000 SR_{19} 9 11.6 20°.83 8°.4/18.1 18

8 9	23 39.93	+13 58.6	1.052	1.899	22.7	17.0
8 19	23 36.74	+14 33.1	0.999	1.905	18.8	16.8
8 29	23 30.67	+14 32.1	0.961	1.912	14.4	16.5
9 8	23 22.69	+13 54.7	0.942	1.920	10.3	16.3
9 18	23 14.17	+12 45.2	0.944	1.929	8.4	16.3
9 28	23 6.73	+11 14.1	0.967	1.939	10.2	16.4
10 8	23 1.66	+ 9 35.9	1.012	1.951	14.0	16.7
10 18	22 59.73	+ 8 3.7	1.077	1.963	18.0	17.0

516968 2012 FO_{38} 9 11.6 196°.51 1°.6/13.9 18

8 9	23 38.14	+ 4 57.3	2.752	3.581	10.7	21.5
8 19	23 33.86	+ 4 16.5	2.668	3.579	8.2	21.4
8 29	23 28.32	+ 3 22.7	2.607	3.576	5.3	21.2
9 8	23 21.98	+ 2 18.6	2.575	3.574	2.5	21.0
9 18	23 15.39	+ 1 8.2	2.571	3.570	2.1	21.0
9 28	23 9.16	− 0 3.7	2.598	3.567	4.8	21.1
10 8	23 3.87	− 1 11.9	2.653	3.563	7.7	21.3
10 18	22 59.96	− 2 12.4	2.734	3.558	10.3	21.5

323195 2003 QS_{48} 9 11.6 140°.98 2°.2/ 8.4 18 R

8 9	23 37.92	− 7 15.8	2.452	3.329	10.2	20.4
8 19	23 33.80	− 8 47.2	2.387	3.333	7.3	20.2
8 29	23 28.32	−10 25.8	2.349	3.337	4.3	20.1
9 8	23 21.99	−12 5.5	2.339	3.341	2.2	19.9
9 18	23 15.41	−13 39.6	2.360	3.345	4.0	20.1
9 28	23 9.27	−15 2.2	2.409	3.348	7.0	20.3
10 8	23 4.20	−16 9.0	2.485	3.352	9.9	20.4
10 18	23 0.65	−16 57.8	2.584	3.355	12.3	20.6

481676 2007 YT_3 9 11.6 253°.91 12°.3/29.5 18

8 9	23 44.19	+39 36.1	2.633	3.193	16.8	21.1
8 19	23 39.00	+40 32.9	2.526	3.173	15.8	21.0
8 29	23 31.75	+41 3.8	2.432	3.152	14.7	20.8
9 8	23 22.99	+41 4.4	2.355	3.131	13.6	20.7
9 18	23 13.51	+40 31.6	2.297	3.109	12.7	20.6
9 28	23 4.34	+39 25.7	2.261	3.087	12.3	20.6
10 8	22 56.49	+37 51.1	2.246	3.064	12.5	20.5
10 18	22 50.73	+35 55.1	2.254	3.041	13.4	20.6

35048 1981 EF_{45} 9 11.6 100°.75 0°.8/10.6 18

8 9	23 41.39	− 4 54.8	2.298	3.165	11.2	19.7
8 19	23 36.30	− 5 30.8	2.240	3.179	8.1	19.5
8 29	23 29.76	− 6 14.0	2.207	3.194	4.7	19.3
9 8	23 22.36	− 7 0.1	2.202	3.208	1.3	19.1
9 18	23 14.79	− 7 44.5	2.225	3.221	2.8	19.3
9 28	23 7.79	− 8 22.6	2.277	3.235	6.2	19.5
10 8	23 2.02	− 8 51.0	2.356	3.248	9.3	19.7
10 18	22 57.93	− 9 7.7	2.458	3.261	11.9	19.9

449455 2013 JS_{49} 9 11.6 232°.37 1°.8/13.8 18

8 9	23 38.79	+ 4 31.8	2.320	3.158	12.1	21.8
8 19	23 34.56	+ 4 0.7	2.238	3.154	9.3	21.6
8 29	23 28.83	+ 3 14.9	2.179	3.151	6.1	21.4
9 8	23 22.14	+ 2 17.4	2.148	3.147	2.8	21.1
9 18	23 15.14	+ 1 12.6	2.144	3.143	2.4	21.1
9 28	23 8.58	+ 0 5.9	2.169	3.139	5.5	21.3
10 8	23 3.13	− 0 57.0	2.222	3.135	8.8	21.5
10 18	22 59.31	− 1 51.3	2.299	3.131	11.7	21.7

298114 2002 RF_{177} 9 11.6 16°.41 2°.6/14.1 18

8 9	23 35.10	+ 6 18.4	1.243	2.116	18.3	19.8
8 19	23 32.71	+ 5 30.7	1.189	2.124	14.1	19.6
8 29	23 28.05	+ 4 15.8	1.155	2.132	9.2	19.4
9 8	23 21.97	+ 2 39.6	1.142	2.143	4.3	19.1
9 18	23 15.54	+ 0 51.9	1.154	2.154	3.4	19.1
9 28	23 9.97	− 0 55.1	1.190	2.167	7.9	19.4
10 8	23 6.27	− 2 30.1	1.250	2.181	12.6	19.7
10 18	23 5.04	− 3 45.5	1.331	2.197	16.6	20.0

175058 2004 FQ_{140} 9 11.6 234°.65 2°.0/13.5 18

8 9	23 43.04	+ 2 51.2	2.161	3.002	12.8	20.3
8 19	23 37.79	+ 2 49.1	2.077	2.995	9.8	20.1
8 29	23 30.82	+ 2 34.2	2.016	2.989	6.4	19.9
9 8	23 22.70	+ 2 8.6	1.982	2.982	3.0	19.7
9 18	23 14.19	+ 1 35.6	1.976	2.974	2.7	19.6
9 28	23 6.15	+ 0 59.9	1.998	2.967	6.0	19.8
10 8	22 59.38	+ 0 26.2	2.047	2.959	9.5	20.0
10 18	22 54.47	− 0 1.2	2.120	2.951	12.6	20.2

415562 2014 QG_{229} 9 11.6 311°.90 1°.2/12.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 40.10	+ 0 35.4	2.056	2.914	12.7	21.5
8 19	23 35.88	+ 0 26.0	1.954	2.884	9.7	21.3
8 29	23 29.83	+ 0 4.2	1.875	2.854	6.1	21.0
9 8	23 22.48	− 0 27.8	1.821	2.824	2.3	20.7
9 18	23 14.54	− 1 6.0	1.795	2.795	2.5	20.7
9 28	23 6.92	− 1 45.4	1.796	2.766	6.5	20.9
10 8	23 0.51	− 2 20.7	1.824	2.737	10.4	21.1
10 18	22 55.99	− 2 47.3	1.874	2.708	13.9	21.2

363405 2003 OL_{13} 9 11.6 356°.38 11°.7/26.8 18

8 9	23 36.87	−31 34.1	1.604	2.499	13.7	19.0
8 19	23 33.99	−34 8.5	1.574	2.495	12.1	18.9
8 29	23 28.83	−36 27.6	1.566	2.491	11.7	18.9
9 8	23 22.19	−38 19.2	1.581	2.489	12.7	18.9
9 18	23 15.13	−39 34.9	1.619	2.487	14.5	19.0
9 28	23 8.89	−40 10.7	1.676	2.487	16.6	19.2
10 8	23 4.48	−40 8.4	1.750	2.487	18.6	19.3
10 18	23 2.55	−39 32.5	1.837	2.489	20.3	19.5

228155 2009 SF_{61} 9 11.6 342°.97 2°.7/ 7.7 16

8 9	23 38.69	−15 57.0	3.492	4.368	7.5	19.1
8 19	23 34.00	−16 12.7	3.421	4.362	5.5	18.9
8 29	23 28.30	−16 27.5	3.376	4.356	3.6	18.8
9 8	23 21.98	−16 38.5	3.359	4.351	2.7	18.7
9 18	23 15.51	−16 43.2	3.371	4.345	3.7	18.8
9 28	23 9.38	−16 39.8	3.413	4.340	5.7	18.9
10 8	23 4.05	−16 27.1	3.481	4.335	7.7	19.0
10 18	22 59.87	−16 4.8	3.574	4.331	9.5	19.2

358943 2008 JS_9 9 11.6 163°.82 2°.0/14.1 18

8 9	23 39.61	+ 5 6.7	2.514	3.344	11.5	21.9
8 19	23 35.02	+ 4 39.8	2.437	3.348	8.9	21.8
8 29	23 29.05	+ 3 59.4	2.383	3.351	5.9	21.6
9 8	23 22.20	+ 3 8.1	2.356	3.353	2.9	21.4
9 18	23 15.11	+ 2 9.7	2.358	3.356	2.4	21.4
9 28	23 8.45	+ 1 9.1	2.389	3.358	5.2	21.6
10 8	23 2.85	+ 0 11.4	2.448	3.360	8.2	21.7
10 18	22 58.78	− 0 39.2	2.532	3.361	10.9	21.9

73405 2002 LE_{25} 9 11.6 90°.80 1°.7/13.5 17

8 9	23 41.61	+ 4 20.8	1.834	2.681	14.4	19.4
8 19	23 36.79	+ 3 37.6	1.777	2.699	10.9	19.2
8 29	23 30.18	+ 2 36.9	1.742	2.716	7.0	19.0
9 8	23 22.51	+ 1 23.4	1.732	2.733	3.0	18.8
9 18	23 14.63	+ 0 3.5	1.751	2.750	2.6	18.8
9 28	23 7.46	− 1 15.4	1.797	2.767	6.4	19.1
10 8	23 1.81	− 2 26.3	1.870	2.783	10.2	19.3
10 18	22 58.16	− 3 24.2	1.966	2.800	13.3	19.6

274336 2008 RF_{23} 9 11.6 30°.64 0°.6/11.9 18

8 9	23 45.10	− 2 36.3	1.185	2.074	17.9	19.2
8 19	23 40.03	− 2 28.9	1.141	2.088	13.3	19.0
8 29	23 32.35	− 2 35.4	1.116	2.103	8.0	18.7
9 8	23 23.11	− 2 51.2	1.115	2.120	2.4	18.4
9 18	23 13.64	− 3 10.5	1.137	2.137	3.4	18.6
9 28	23 5.37	− 3 26.6	1.184	2.156	8.7	18.9
10 8	22 59.40	− 3 34.3	1.253	2.175	13.4	19.3
10 18	22 56.31	− 3 30.5	1.343	2.195	17.3	19.6

356791 2011 UK_{314} 9 11.6 269°.02 1°.1/10.5 18

8 9	23 40.68	− 4 41.7	1.988	2.862	12.4	21.4
8 19	23 36.15	− 5 25.0	1.915	2.858	9.0	21.2
8 29	23 29.87	− 6 17.9	1.867	2.854	5.3	21.0
9 8	23 22.46	− 7 15.4	1.844	2.850	1.5	20.7
9 18	23 14.70	− 8 11.6	1.849	2.846	3.3	20.8
9 28	23 7.49	− 9 0.6	1.882	2.841	7.2	21.1
10 8	23 1.62	− 9 37.7	1.941	2.837	10.8	21.3
10 18	22 57.67	−10 0.1	2.022	2.833	13.9	21.5

148357 2000 ST_{17} 9 11.6 346°.10 1°.1/12.5 18

8 9	23 41.00	− 0 28.9	1.652	2.523	14.6	19.6
8 19	23 36.71	− 0 32.0	1.579	2.516	11.0	19.4
8 29	23 30.35	− 0 48.4	1.527	2.510	6.8	19.1
9 8	23 22.61	− 1 14.7	1.500	2.505	2.4	18.8
9 18	23 14.43	− 1 46.3	1.500	2.500	2.8	18.9
9 28	23 6.89	− 2 17.5	1.525	2.496	7.3	19.1
10 8	23 0.94	− 2 42.5	1.575	2.493	11.5	19.4
10 18	22 57.24	− 2 57.5	1.647	2.490	15.1	19.6

108006 2001 FA_{140} 9 11.6 294°.23 1°.1/12.6 18

8 9	23 43.75	− 0 40.8	2.287	3.137	11.8	19.2
8 19	23 38.18	− 0 33.3	2.208	3.134	8.9	19.0
8 29	23 30.99	− 0 34.7	2.154	3.132	5.5	18.8
9 8	23 22.75	− 0 43.1	2.126	3.129	2.1	18.6
9 18	23 14.20	− 0 55.5	2.127	3.127	2.3	18.6
9 28	23 6.14	− 1 8.4	2.158	3.125	5.8	18.8
10 8	22 59.32	− 1 18.3	2.215	3.122	9.1	19.0
10 18	22 54.27	− 1 22.4	2.296	3.120	12.0	19.2

349763 2009 AS_{27} 9 11.6 269°.08 5°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.61	+10 11.4	1.918	2.730	15.2	21.0
8 19	23 39.28	+10 42.8	1.829	2.719	12.4	20.8
8 29	23 31.89	+10 56.2	1.760	2.708	9.2	20.6
9 8	23 23.05	+10 51.1	1.717	2.696	6.3	20.4
9 18	23 13.62	+10 28.8	1.699	2.684	5.3	20.3
9 28	23 4.66	+ 9 53.5	1.709	2.672	7.4	20.4
10 8	22 57.14	+ 9 11.5	1.744	2.661	10.6	20.6
10 18	22 51.80	+ 8 29.1	1.803	2.649	13.8	20.8

144893 2004 ST_{4} 9 11.6 349°.94 5°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.07	−13 24.0	0.837	1.764	19.5	18.6
8 19	23 39.72	−13 27.6	0.784	1.752	14.6	18.3
8 29	23 32.76	−13 32.3	0.748	1.742	9.1	18.0
9 8	23 23.34	−13 29.2	0.731	1.734	5.1	17.7
9 18	23 13.20	−13 10.1	0.735	1.728	7.8	17.9
9 28	23 4.39	−12 29.6	0.758	1.724	13.4	18.2
10 8	22 58.56	−11 27.3	0.800	1.722	18.8	18.5
10 18	22 56.54	−10 6.1	0.857	1.723	23.4	18.8

123685 2000 YN_{96} 9 11.6 270°.12 4°.6/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.11	+11 5.2	2.295	3.097	13.3	19.8
8 19	23 36.38	+11 19.1	2.205	3.088	10.9	19.6
8 29	23 30.00	+11 16.0	2.136	3.079	8.1	19.5
9 8	23 22.52	+10 56.4	2.093	3.070	5.5	19.3
9 18	23 14.62	+10 22.2	2.077	3.061	4.6	19.2
9 28	23 7.12	+ 9 37.4	2.088	3.052	6.2	19.3
10 8	23 0.78	+ 8 47.5	2.127	3.043	9.0	19.5
10 18	22 56.19	+ 7 58.1	2.190	3.034	11.8	19.6

167208 Lelekovice 9 11.6 317°.44 3°.6/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.09	−10 13.5	1.495	2.393	14.3	20.0
8 19	23 37.09	−11 5.5	1.420	2.375	10.5	19.7
8 29	23 30.74	−12 5.3	1.367	2.357	6.4	19.4
9 8	23 22.76	−13 5.2	1.339	2.340	3.6	19.2
9 18	23 14.19	−13 56.8	1.335	2.323	6.0	19.3
9 28	23 6.27	−14 32.4	1.357	2.307	10.3	19.5
10 8	23 0.12	−14 47.6	1.401	2.292	14.5	19.8
10 18	22 56.50	−14 40.9	1.465	2.277	18.2	20.0

42214 2001 DA_{52} 9 11.6 5°.60 4°.9/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.45	−17 59.4	1.917	2.802	12.3	18.1
8 19	23 40.35	−18 21.0	1.859	2.802	9.2	17.9
8 29	23 32.32	−18 39.3	1.824	2.803	6.3	17.7
9 8	23 23.11	−18 48.7	1.815	2.804	4.9	17.6
9 18	23 13.68	−18 44.7	1.834	2.805	6.5	17.7
9 28	23 5.05	−18 24.5	1.879	2.807	9.4	17.9
10 8	22 58.07	−17 47.8	1.948	2.809	12.4	18.1
10 18	22 53.29	−16 56.2	2.040	2.812	15.1	18.3

514039 2014 MZ_{14} 9 11.6 53°.25 3°.1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.70	− 9 59.9	2.029	2.917	11.5	20.5
8 19	23 34.58	−11 16.1	1.978	2.928	8.3	20.3
8 29	23 28.86	−12 37.2	1.951	2.939	5.0	20.1
9 8	23 22.19	−13 56.4	1.951	2.950	3.1	20.0
9 18	23 15.30	−15 7.0	1.979	2.962	5.0	20.2
9 28	23 9.03	−16 3.0	2.035	2.974	8.2	20.4
10 8	23 4.07	−16 41.3	2.115	2.985	11.2	20.6
10 18	23 0.91	−17 0.7	2.217	2.997	13.8	20.8

477109 2009 BN_{175} 9 11.6 144°.98 5°.6/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.14	−21 14.0	2.388	3.267	10.4	21.8
8 19	23 38.36	−22 23.0	2.341	3.277	8.0	21.7
8 29	23 31.03	−23 27.6	2.320	3.287	6.1	21.6
9 8	23 22.76	−24 21.5	2.327	3.296	5.7	21.6
9 18	23 14.32	−24 59.7	2.361	3.304	7.1	21.7
9 28	23 6.52	−25 19.1	2.423	3.312	9.3	21.8
10 8	23 0.05	−25 18.9	2.508	3.320	11.6	22.0
10 18	22 55.39	−25 0.4	2.614	3.327	13.6	22.2

97670 2000 FN_{42} 9 11.6 211°.43 11°.6/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.21	+27 24.1	1.411	2.149	23.0	19.7
8 19	23 39.02	+27 28.6	1.328	2.145	20.4	19.5
8 29	23 32.06	+26 50.3	1.260	2.140	17.3	19.3
9 8	23 23.16	+25 24.2	1.209	2.135	14.2	19.1
9 18	23 13.51	+23 11.0	1.180	2.129	12.0	18.9
9 28	23 4.65	+20 19.4	1.175	2.122	11.8	18.9
10 8	22 57.91	+17 6.3	1.194	2.115	14.0	19.0
10 18	22 54.16	+13 50.6	1.237	2.108	17.2	19.2

454482 2014 OY_{121} 9 11.6 296°.26 3°.0/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.05	+ 5 21.3	2.196	3.027	12.9	21.3
8 19	23 37.08	+ 5 33.2	2.110	3.019	10.1	21.1
8 29	23 30.43	+ 5 31.3	2.047	3.012	6.9	20.9
9 8	23 22.65	+ 5 17.1	2.010	3.004	3.9	20.7
9 18	23 14.46	+ 4 52.9	2.001	2.996	3.3	20.6
9 28	23 6.72	+ 4 22.9	2.020	2.989	6.0	20.8
10 8	23 0.20	+ 3 51.8	2.066	2.982	9.2	21.0
10 18	22 55.50	+ 3 24.2	2.136	2.974	12.2	21.1

257121 2008 GZ_{87} 9 11.6 181°.61 1°.1/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 38.74	− 4 0.2	2.205	3.076	11.4	20.3
8 19	23 34.57	− 5 6.5	2.135	3.077	8.3	20.1
8 29	23 28.87	− 6 22.8	2.089	3.077	4.8	19.9
9 8	23 22.21	− 7 43.8	2.071	3.077	1.4	19.6
9 18	23 15.26	− 9 3.0	2.082	3.077	3.2	19.8
9 28	23 8.79	−10 14.3	2.121	3.076	6.8	20.0
10 8	23 3.51	−11 12.6	2.186	3.076	10.1	20.2
10 18	22 59.91	−11 55.1	2.275	3.075	12.9	20.4

323674 2005 EB_{159} 9 11.6 42°.75 0°.9/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.27	+ 2 18.7	1.198	2.079	18.3	20.9
8 19	23 36.57	+ 1 21.2	1.147	2.090	13.6	20.7
8 29	23 30.39	+ 0 0.2	1.116	2.101	8.4	20.4
9 8	23 22.64	− 1 36.4	1.108	2.113	2.7	20.1
9 18	23 14.56	− 3 18.0	1.125	2.125	3.4	20.2
9 28	23 7.49	− 4 52.4	1.166	2.138	8.8	20.6
10 8	23 2.51	− 6 10.0	1.230	2.151	13.6	20.9
10 18	23 0.25	− 7 5.2	1.314	2.165	17.7	21.2

240663 2005 EQ_{46} 9 11.6 298°.73 0°.7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.46	− 1 7.5	1.652	2.529	14.3	20.2
8 19	23 34.98	− 2 19.2	1.565	2.509	10.6	19.9
8 29	23 29.43	− 3 49.5	1.502	2.489	6.3	19.6
9 8	23 22.42	− 5 32.1	1.464	2.470	1.6	19.3
9 18	23 14.82	− 7 18.1	1.452	2.450	3.6	19.4
9 28	23 7.71	− 8 57.4	1.468	2.431	8.4	19.6
10 8	23 2.10	−10 21.1	1.508	2.412	12.8	19.9
10 18	22 58.72	−11 23.7	1.570	2.393	16.6	20.1

291431 2006 DT_{27} 9 11.6 242°.79 0°.6/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.27	− 2 40.6	2.027	2.892	12.5	22.0
8 19	23 37.41	− 3 30.1	1.940	2.877	9.3	21.8
8 29	23 30.70	− 4 32.0	1.877	2.862	5.5	21.5
9 8	23 22.74	− 5 41.2	1.841	2.847	1.4	21.2
9 18	23 14.30	− 6 51.8	1.833	2.831	3.1	21.3
9 28	23 6.31	− 7 56.9	1.854	2.814	7.2	21.5
10 8	22 59.64	− 8 50.7	1.901	2.797	11.0	21.7
10 18	22 54.92	− 9 29.5	1.971	2.780	14.3	21.9

360899 2005 SY_{156} 9 11.6 257°.97 1°.5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.80	+ 3 37.8	2.190	3.035	12.5	21.4
8 19	23 34.67	+ 2 59.6	2.108	3.030	9.5	21.2
8 29	23 28.98	+ 2 6.3	2.049	3.024	6.1	20.9
9 8	23 22.25	+ 1 1.1	2.017	3.018	2.6	20.7
9 18	23 15.19	− 0 10.9	2.013	3.012	2.3	20.7
9 28	23 8.57	− 1 23.7	2.037	3.007	5.9	20.9
10 8	23 3.13	− 2 31.0	2.088	3.001	9.3	21.1
10 18	22 59.39	− 3 28.0	2.163	2.995	12.4	21.3

220491 2004 CY_{120} 9 11.6 12°.26 1°.5/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.29	− 0 42.6	1.061	1.955	19.1	19.8
8 19	23 38.38	− 0 33.7	1.009	1.958	14.4	19.5
8 29	23 31.62	− 0 42.7	0.976	1.962	8.9	19.2
9 8	23 23.01	− 1 5.3	0.963	1.968	3.1	18.9
9 18	23 13.94	− 1 35.2	0.974	1.975	3.6	19.0
9 28	23 5.99	− 2 4.1	1.007	1.983	9.3	19.3
10 8	23 0.43	− 2 24.6	1.062	1.992	14.4	19.6
10 18	22 57.97	− 2 32.1	1.136	2.003	18.7	19.9

359354 2009 SG_{347} 9 11.6 286°.39 2°.1/ 7.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 34.62	−14 10.8	4.277	5.153	6.2	21.2
8 19	23 30.96	−14 43.7	4.199	5.142	4.5	21.1
8 29	23 26.50	−15 17.0	4.147	5.130	2.9	20.9
9 8	23 21.56	−15 48.2	4.125	5.118	2.1	20.9
9 18	23 16.46	−16 15.0	4.132	5.107	3.1	20.9
9 28	23 11.58	−16 35.2	4.169	5.095	4.7	21.0
10 8	23 7.29	−16 47.2	4.232	5.083	6.5	21.2
10 18	23 3.86	−16 50.3	4.320	5.072	8.0	21.3

166528 2002 RV_{3} 9 11.6 300°.99 3°.8/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.78	+10 8.1	1.776	2.605	15.6	19.9
8 19	23 34.38	+ 9 30.0	1.684	2.589	12.5	19.6
8 29	23 29.02	+ 8 26.7	1.613	2.573	8.8	19.4
9 8	23 22.31	+ 7 0.5	1.566	2.557	5.2	19.1
9 18	23 15.07	+ 5 16.6	1.545	2.541	3.9	19.0
9 28	23 8.30	+ 3 24.0	1.552	2.525	6.9	19.2
10 8	23 2.92	+ 1 32.8	1.584	2.510	10.9	19.4
10 18	22 59.64	− 0 8.0	1.641	2.494	14.6	19.6

433916 2015 BE_{498} 9 11.6 292°.40 1°.4/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.30	− 0 6.0	1.334	2.209	17.2	21.4
8 19	23 40.54	− 0 5.6	1.252	2.191	13.1	21.1
8 29	23 33.01	− 0 21.8	1.190	2.173	8.2	20.7
9 8	23 23.46	− 0 51.5	1.151	2.155	3.0	20.4
9 18	23 13.06	− 1 29.2	1.137	2.138	3.5	20.4
9 28	23 3.31	− 2 7.3	1.148	2.120	9.0	20.6
10 8	22 55.58	− 2 38.4	1.182	2.103	14.1	20.9
10 18	22 50.79	− 2 56.9	1.236	2.086	18.7	21.1

217205 2002 TE_{223} 9 11.6 25°.27 0°.5/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.56	− 3 21.2	1.112	2.010	18.1	19.5
8 19	23 38.41	− 3 44.5	1.065	2.018	13.3	19.2
8 29	23 31.54	− 4 23.0	1.037	2.027	7.9	19.0
9 8	23 22.98	− 5 10.0	1.031	2.037	2.0	18.6
9 18	23 14.08	− 5 57.0	1.048	2.048	4.0	18.8
9 28	23 6.32	− 6 35.2	1.089	2.059	9.6	19.2
10 8	23 0.87	− 6 58.4	1.151	2.072	14.5	19.5
10 18	22 58.37	− 7 3.8	1.233	2.085	18.5	19.8

269400 2009 RN_{8} 9 11.6 112°.45 0°.3/11.9 18

8 9	23 45.50	− 1 45.0	1.566	2.436	15.3	21.2
8 19	23 40.03	− 2 3.0	1.503	2.441	11.4	20.9
8 29	23 32.33	− 2 34.1	1.462	2.446	6.9	20.7
9 8	23 23.19	− 3 14.0	1.445	2.451	2.0	20.4
9 18	23 13.69	− 3 56.4	1.455	2.455	3.1	20.5
9 28	23 5.01	− 4 35.0	1.492	2.459	7.8	20.8
10 8	22 58.14	− 5 4.1	1.554	2.464	12.1	21.0
10 18	22 53.75	− 5 20.1	1.637	2.468	15.7	21.3

224031 2005 LP_{41} 9 11.6 351°.44 3°.5/ 9.1 18

8 9	23 38.06	− 8 10.4	1.047	1.963	17.4	19.5
8 19	23 35.42	− 9 5.8	0.991	1.955	12.7	19.2
8 29	23 29.97	−10 13.4	0.954	1.948	7.5	18.9
9 8	23 22.62	−11 23.4	0.939	1.943	3.6	18.6
9 18	23 14.69	−12 24.5	0.945	1.939	6.5	18.8
9 28	23 7.75	−13 6.5	0.974	1.936	11.7	19.1
10 8	23 3.10	−13 23.4	1.023	1.935	16.7	19.4
10 18	23 1.48	−13 14.2	1.089	1.935	20.9	19.6

135085 2001 QZ_{38} 9 11.6 336°.50 1°.8/13.3 18

8 9	23 40.36	+ 2 24.9	1.672	2.534	14.9	19.1
8 19	23 36.26	+ 2 11.5	1.597	2.527	11.4	18.8
8 29	23 30.12	+ 1 41.6	1.543	2.521	7.3	18.6
9 8	23 22.62	+ 0 58.2	1.513	2.515	3.1	18.3
9 18	23 14.66	+ 0 6.6	1.510	2.510	2.9	18.3
9 28	23 7.31	− 0 46.4	1.533	2.505	7.1	18.5
10 8	23 1.51	− 1 34.2	1.581	2.501	11.3	18.8
10 18	22 57.93	− 2 11.2	1.651	2.497	14.9	19.0

351100 2003 UZ_{251} 9 11.6 274°.47 9°.2/23.4 18

8 9	23 40.06	+27 16.6	2.110	2.811	17.3	20.9
8 19	23 36.02	+27 11.5	1.999	2.789	15.4	20.7
8 29	23 30.02	+26 35.3	1.906	2.766	13.2	20.5
9 8	23 22.62	+25 25.2	1.833	2.744	11.0	20.3
9 18	23 14.62	+23 41.2	1.784	2.720	9.5	20.2
9 28	23 7.01	+21 28.1	1.761	2.697	9.4	20.1
10 8	23 0.75	+18 55.5	1.765	2.673	11.0	20.2
10 18	22 56.56	+16 15.1	1.795	2.649	13.5	20.3

437752 2014 FR_{42} 9 11.6 249°.27 1°.5/ 8.4 15

8 9	23 34.02	−11 49.4	4.802	5.674	5.7	21.9
8 19	23 30.45	−12 17.8	4.723	5.665	4.1	21.8
8 29	23 26.19	−12 47.4	4.670	5.655	2.5	21.7
9 8	23 21.50	−13 16.0	4.647	5.645	1.5	21.6
9 18	23 16.67	−13 41.7	4.653	5.636	2.4	21.7
9 28	23 12.05	−14 2.4	4.690	5.626	4.0	21.8
10 8	23 7.92	−14 16.7	4.754	5.616	5.6	21.9
10 18	23 4.56	−14 23.8	4.843	5.606	7.1	22.0

50977 2000 GL_{92} 9 11.6 230°.82 0°.2/11.4 18

8 9	23 39.41	− 0 46.3	2.041	2.904	12.5	19.3
8 19	23 35.22	− 1 48.7	1.964	2.900	9.2	19.1
8 29	23 29.36	− 3 5.0	1.911	2.896	5.5	18.9
9 8	23 22.40	− 4 29.8	1.885	2.891	1.4	18.6
9 18	23 15.08	− 5 56.6	1.888	2.886	2.8	18.7
9 28	23 8.27	− 7 18.0	1.919	2.881	6.8	18.9
10 8	23 2.72	− 8 27.8	1.976	2.876	10.4	19.1
10 18	22 59.00	− 9 21.8	2.056	2.871	13.6	19.3

514801 2007 RV_{247} 9 11.6 357°.91 1°.7/10.6 18

8 9	23 47.80	− 8 51.4	1.409	2.297	15.6	20.7
8 19	23 41.97	− 8 40.2	1.345	2.294	11.5	20.5
8 29	23 33.59	− 8 33.8	1.303	2.292	6.8	20.2
9 8	23 23.56	− 8 27.5	1.286	2.291	2.2	19.9
9 18	23 13.11	− 8 16.9	1.294	2.291	4.3	20.0
9 28	23 3.60	− 7 58.1	1.328	2.291	9.1	20.3
10 8	22 56.19	− 7 28.7	1.386	2.292	13.5	20.6
10 18	22 51.58	− 6 48.3	1.464	2.294	17.3	20.8

220842 2004 VD_{2} 9 11.6 315°.16 0°.7/10.9 18

8 9	23 39.10	− 3 51.8	1.957	2.833	12.5	19.6
8 19	23 35.14	− 4 27.4	1.873	2.816	9.2	19.3
8 29	23 29.39	− 5 13.6	1.813	2.800	5.4	19.1
9 8	23 22.43	− 6 6.0	1.778	2.784	1.4	18.8
9 18	23 15.02	− 6 59.0	1.771	2.769	3.1	18.9
9 28	23 8.08	− 7 46.5	1.791	2.753	7.2	19.1
10 8	23 2.43	− 8 23.3	1.836	2.739	11.0	19.3
10 18	22 58.70	− 8 46.2	1.904	2.724	14.3	19.5

211504 2003 QG_{15} 9 11.6 77°.44 3°.3/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.47	+ 6 13.5	1.323	2.177	18.5	20.1
8 19	23 40.17	+ 5 56.7	1.274	2.196	14.3	19.9
8 29	23 32.43	+ 5 16.0	1.244	2.215	9.5	19.7
9 8	23 23.22	+ 4 15.7	1.237	2.235	4.8	19.5
9 18	23 13.76	+ 3 2.9	1.255	2.254	3.9	19.5
9 28	23 5.37	+ 1 47.4	1.299	2.273	7.9	19.8
10 8	22 59.11	+ 0 38.3	1.367	2.291	12.3	20.1
10 18	22 55.56	− 0 17.4	1.457	2.310	16.1	20.4

213561 2002 LS_{29} 9 11.6 27°.17 3°.1/ 9.3 17

8 9	23 37.75	− 5 39.7	0.847	1.770	19.8	19.4
8 19	23 35.19	− 6 59.6	0.821	1.788	14.2	19.1
8 29	23 29.69	− 8 34.2	0.812	1.807	8.1	18.9
9 8	23 22.48	−10 9.7	0.824	1.829	3.3	18.7
9 18	23 15.12	−11 32.3	0.857	1.852	6.4	19.0
9 28	23 9.16	−12 30.9	0.911	1.876	11.8	19.4
10 8	23 5.74	−13 0.7	0.984	1.902	16.6	19.8
10 18	23 5.34	−13 1.8	1.075	1.928	20.6	20.1

379182 2009 RQ_{19} 9 11.6 16°.71 2°.2/13.2 13 C

8 9	23 39.99	+ 2 30.0	1.101	1.988	19.1	20.5
8 19	23 36.61	+ 2 17.5	1.049	1.993	14.6	20.2
8 29	23 30.55	+ 1 42.0	1.015	1.999	9.3	20.0
9 8	23 22.76	+ 0 48.5	1.003	2.006	3.8	19.7
9 18	23 14.53	− 0 15.1	1.013	2.014	3.6	19.7
9 28	23 7.35	− 1 18.4	1.047	2.023	8.8	20.0
10 8	23 2.39	− 2 11.9	1.102	2.033	13.9	20.3
10 18	23 0.34	− 2 49.2	1.177	2.045	18.1	20.6

464829 2004 XY_{36} 9 11.6 356°.05 7°.5/ 6.6 17

8 9	23 41.27	−15 38.4	0.965	1.888	17.9	19.9
8 19	23 37.99	−16 54.5	0.919	1.884	13.4	19.7
8 29	23 31.55	−18 12.3	0.891	1.880	9.2	19.4
9 8	23 23.05	−19 18.3	0.885	1.878	7.5	19.3
9 18	23 14.03	−20 0.4	0.899	1.877	10.3	19.5
9 28	23 6.26	−20 10.6	0.934	1.877	14.7	19.7
10 8	23 1.11	−19 47.7	0.987	1.878	19.1	20.0
10 18	22 59.30	−18 55.2	1.056	1.881	22.9	20.3

45549 2000 CY_{44} 9 11.6 148°.95 1°.6/13.3 18

8 9	23 41.47	+ 2 54.9	1.992	2.840	13.4	18.7
8 19	23 36.73	+ 2 29.5	1.920	2.843	10.2	18.5
8 29	23 30.24	+ 1 49.2	1.870	2.845	6.5	18.3
9 8	23 22.64	+ 0 57.3	1.846	2.848	2.7	18.1
9 18	23 14.72	− 0 1.3	1.850	2.850	2.5	18.1
9 28	23 7.36	− 1 0.3	1.883	2.852	6.2	18.3
10 8	23 1.37	− 1 54.0	1.941	2.854	9.9	18.6
10 18	22 57.29	− 2 37.6	2.023	2.856	13.1	18.8

28194 1998 WX_{37} 9 11.6 265°.18 0°.8/10.9 18

8 9	23 43.71	− 3 43.4	1.556	2.435	14.9	19.4
8 19	23 38.83	− 4 18.8	1.486	2.430	11.0	19.2
8 29	23 31.70	− 5 6.8	1.438	2.426	6.5	18.9
9 8	23 23.07	− 6 1.7	1.415	2.421	1.7	18.6
9 18	23 13.96	− 6 56.6	1.419	2.417	3.6	18.7
9 28	23 5.58	− 7 44.0	1.448	2.412	8.4	19.0
10 8	22 58.96	− 8 18.1	1.502	2.408	12.8	19.2
10 18	22 54.80	− 8 35.7	1.577	2.403	16.5	19.5

27630 2228 P–L 9 11.6 50°.68 3°.7/14.6 17

8 9	23 44.02	+ 6 35.1	1.221	2.081	19.4	19.0
8 19	23 39.15	+ 6 23.0	1.180	2.106	14.9	18.8
8 29	23 31.82	+ 5 45.7	1.159	2.131	10.0	18.6
9 8	23 23.06	+ 4 47.7	1.159	2.156	5.2	18.4
9 18	23 14.13	+ 3 36.6	1.184	2.182	4.1	18.4
9 28	23 6.39	+ 2 22.6	1.234	2.209	8.1	18.7
10 8	23 0.84	+ 1 15.2	1.307	2.235	12.4	19.1
10 18	22 58.03	+ 0 21.2	1.402	2.262	16.2	19.4

250279 2003 HL_{25} 9 11.6 34°.22 0°.9/12.3 17

8 9	23 41.57	+ 0 31.3	0.896	1.798	21.0	19.9
8 19	23 37.94	+ 0 1.3	0.862	1.816	15.6	19.6
8 29	23 31.33	− 0 52.1	0.846	1.835	9.5	19.4
9 8	23 22.95	− 2 0.5	0.850	1.855	3.0	19.1
9 18	23 14.37	− 3 12.8	0.875	1.876	3.8	19.2
9 28	23 7.22	− 4 16.9	0.923	1.899	9.8	19.7
10 8	23 2.68	− 5 4.1	0.991	1.922	15.1	20.0
10 18	23 1.31	− 5 30.0	1.078	1.946	19.4	20.4

314549 2005 YW_{124} 9 11.6 39°.04 3°.4/14.9 18

8 9	23 42.13	+ 6 16.2	2.004	2.837	13.9	20.0
8 19	23 37.18	+ 6 29.1	1.936	2.845	10.9	19.8
8 29	23 30.50	+ 6 26.6	1.890	2.852	7.5	19.6
9 8	23 22.72	+ 6 9.9	1.869	2.860	4.4	19.4
9 18	23 14.64	+ 5 42.2	1.874	2.869	3.6	19.4
9 28	23 7.15	+ 5 8.0	1.908	2.877	6.2	19.6
10 8	23 1.05	+ 4 32.7	1.968	2.886	9.5	19.8
10 18	22 56.88	+ 4 1.3	2.051	2.895	12.5	20.0

346523 2008 UM_{185} 9 11.6 27°.98 5°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.53	+11 5.8	1.411	2.249	18.4	20.2
8 19	23 35.87	+11 1.0	1.351	2.257	14.8	19.9
8 29	23 29.96	+10 28.9	1.309	2.265	10.8	19.7
9 8	23 22.60	+ 9 31.3	1.288	2.275	6.9	19.5
9 18	23 14.86	+ 8 13.9	1.293	2.284	5.4	19.5
9 28	23 7.93	+ 6 45.7	1.322	2.295	7.8	19.7
10 8	23 2.83	+ 5 17.4	1.375	2.306	11.7	19.9
10 18	23 0.21	+ 3 58.1	1.450	2.318	15.4	20.2

310432 1999 XN_{226} 9 11.6 260°.21 4°.4/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 35.46	+21 19.5	4.681	5.383	8.4	20.3
8 19	23 31.58	+21 37.6	4.584	5.379	7.2	20.2
8 29	23 26.91	+21 44.3	4.509	5.375	6.0	20.1
9 8	23 21.72	+21 39.4	4.459	5.372	5.0	20.0
9 18	23 16.36	+21 23.6	4.435	5.368	4.4	20.0
9 28	23 11.18	+20 58.2	4.440	5.364	4.5	20.0
10 8	23 6.55	+20 25.6	4.472	5.360	5.4	20.0
10 18	23 2.75	+19 48.5	4.531	5.357	6.5	20.1

300673 2007 VZ_{11} 9 11.6 291°.66 6°.2/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.54	−18 25.9	1.828	2.723	12.3	20.3
8 19	23 37.01	−19 54.1	1.771	2.719	9.3	20.1
8 29	23 30.50	−21 21.2	1.739	2.715	6.9	20.0
9 8	23 22.74	−22 38.4	1.733	2.711	6.4	19.9
9 18	23 14.62	−23 37.8	1.753	2.707	8.3	20.1
9 28	23 7.18	−24 14.2	1.798	2.704	11.1	20.2
10 8	23 1.30	−24 25.5	1.865	2.700	14.1	20.4
10 18	22 57.59	−24 13.0	1.952	2.697	16.6	20.6

482302 2011 UR_{87} 9 11.6 250°.10 6°.0/18.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.95	+16 52.2	2.255	3.026	14.5	21.9
8 19	23 35.63	+16 53.8	2.162	3.017	12.2	21.7
8 29	23 29.64	+16 33.6	2.089	3.008	9.6	21.5
9 8	23 22.52	+15 51.4	2.040	2.999	7.2	21.4
9 18	23 14.97	+14 49.3	2.018	2.989	6.0	21.3
9 28	23 7.84	+13 32.0	2.022	2.980	6.9	21.3
10 8	23 1.89	+12 6.6	2.054	2.970	9.3	21.4
10 18	22 57.73	+10 40.5	2.110	2.960	11.9	21.6

214806 2006 UO_{221} 9 11.6 243°.59 3°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.01	−11 18.8	1.987	2.870	12.0	20.6
8 19	23 37.87	−12 0.8	1.922	2.869	8.7	20.4
8 29	23 30.92	−12 46.5	1.881	2.868	5.3	20.2
9 8	23 22.85	−13 29.9	1.867	2.867	3.1	20.1
9 18	23 14.47	−14 5.6	1.880	2.865	4.9	20.2
9 28	23 6.71	−14 28.7	1.921	2.864	8.3	20.4
10 8	23 0.40	−14 36.6	1.986	2.863	11.5	20.6
10 18	22 56.07	−14 28.5	2.073	2.861	14.4	20.8

517948 2015 TQ_{305} 9 11.6 14°.62 5°.3/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.95	−18 8.3	2.164	3.055	10.8	21.1
8 19	23 35.54	−19 23.9	2.110	3.056	8.1	20.9
8 29	23 29.50	−20 38.1	2.081	3.057	5.9	20.8
9 8	23 22.46	−21 44.0	2.078	3.057	5.4	20.8
9 18	23 15.15	−22 35.5	2.102	3.058	7.0	20.9
9 28	23 8.43	−23 8.2	2.153	3.059	9.5	21.0
10 8	23 3.00	−23 20.4	2.227	3.061	12.1	21.2
10 18	22 59.39	−23 12.7	2.321	3.062	14.4	21.4

28178 1998 WL_{1} 9 11.6 286°.62 4°.8/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.02	−12 36.1	1.510	2.407	14.2	18.1
8 19	23 38.48	−13 49.0	1.444	2.398	10.5	17.9
8 29	23 31.57	−15 7.4	1.401	2.388	6.7	17.6
9 8	23 23.08	−16 22.2	1.382	2.378	4.8	17.5
9 18	23 14.07	−17 24.1	1.389	2.368	7.1	17.6
9 28	23 5.80	−18 5.5	1.421	2.358	11.1	17.8
10 8	22 59.36	−18 22.7	1.475	2.349	15.0	18.0
10 18	22 55.48	−18 15.5	1.548	2.339	18.3	18.2

313344 2002 GZ_{92} 9 11.6 144°.26 0°.3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.53	− 3 30.8	2.590	3.448	10.4	21.4
8 19	23 36.38	− 3 56.7	2.522	3.455	7.6	21.2
8 29	23 29.87	− 4 29.9	2.479	3.462	4.5	21.1
9 8	23 22.55	− 5 7.0	2.463	3.469	1.2	20.8
9 18	23 15.02	− 5 44.3	2.478	3.476	2.3	20.9
9 28	23 7.96	− 6 17.8	2.521	3.482	5.5	21.2
10 8	23 1.99	− 6 44.2	2.592	3.488	8.4	21.4
10 18	22 57.53	− 7 1.2	2.688	3.493	11.0	21.5

359875 2011 WE_{13} 9 11.6 160°.06 4°.7/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.90	−19 9.6	2.571	3.451	9.7	22.0
8 19	23 37.42	−20 8.5	2.517	3.456	7.3	21.8
8 29	23 30.51	−21 4.9	2.489	3.461	5.3	21.7
9 8	23 22.72	−21 53.2	2.489	3.466	4.8	21.7
9 18	23 14.75	−22 28.9	2.516	3.470	6.1	21.8
9 28	23 7.31	−22 48.8	2.572	3.474	8.4	21.9
10 8	23 1.07	−22 51.6	2.652	3.477	10.6	22.1
10 18	22 56.47	−22 38.0	2.753	3.480	12.6	22.3

122884 2000 SQ_{145} 9 11.6 112°.17 0°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.77	− 4 29.6	1.829	2.697	13.5	19.0
8 19	23 39.88	− 4 58.2	1.772	2.711	9.9	18.8
8 29	23 32.09	− 5 35.8	1.739	2.725	5.8	18.6
9 8	23 23.16	− 6 17.5	1.732	2.738	1.5	18.4
9 18	23 14.01	− 6 57.9	1.753	2.750	3.2	18.5
9 28	23 5.64	− 7 31.4	1.802	2.763	7.3	18.8
10 8	22 58.89	− 7 54.0	1.877	2.775	11.0	19.1
10 18	22 54.30	− 8 3.6	1.974	2.787	14.1	19.3

133834 Erinmorton 9 11.6 17°.23 5°.6/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.77	−12 26.4	1.201	2.116	15.7	17.8
8 19	23 34.78	−13 58.7	1.161	2.124	11.4	17.6
8 29	23 29.36	−15 35.6	1.142	2.132	7.3	17.4
9 8	23 22.45	−17 5.2	1.147	2.142	5.6	17.3
9 18	23 15.25	−18 16.6	1.175	2.154	8.2	17.5
9 28	23 9.07	−19 1.8	1.225	2.166	12.2	17.8
10 8	23 4.92	−19 18.0	1.297	2.180	16.0	18.0
10 18	23 3.39	−19 6.6	1.386	2.194	19.2	18.3

134944 2001 BY_{57} 9 11.6 272°.41 1°.8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.34	− 4 27.5	1.462	2.348	15.3	19.9
8 19	23 38.08	− 5 31.2	1.386	2.335	11.2	19.6
8 29	23 31.41	− 6 50.2	1.332	2.322	6.6	19.4
9 8	23 23.06	− 8 17.1	1.303	2.308	2.1	19.0
9 18	23 14.09	− 9 42.4	1.300	2.295	4.6	19.2
9 28	23 5.77	−10 56.2	1.322	2.282	9.6	19.4
10 8	22 59.26	−11 51.1	1.368	2.268	14.2	19.7
10 18	22 55.33	−12 23.4	1.434	2.254	18.1	19.9

511674 2015 BQ_{421} 9 11.6 331°.43 2°.6/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.11	− 5 52.7	0.974	1.891	18.3	20.8
8 19	23 35.10	− 6 42.1	0.905	1.870	13.6	20.4
8 29	23 30.04	− 7 49.8	0.855	1.849	8.0	20.1
9 8	23 22.76	− 9 6.8	0.825	1.830	2.9	19.7
9 18	23 14.57	−10 20.9	0.816	1.813	6.0	19.8
9 28	23 7.20	−11 19.2	0.828	1.797	12.2	20.1
10 8	23 2.20	−11 52.6	0.860	1.782	17.9	20.4
10 18	23 0.56	−11 57.1	0.907	1.769	22.7	20.6

319091 2005 WR_{146} 9 11.6 35°.16 0°.6/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.96	− 0 42.3	2.091	2.950	12.4	21.3
8 19	23 36.28	− 1 2.0	2.020	2.952	9.3	21.1
8 29	23 29.96	− 1 32.8	1.973	2.955	5.6	20.9
9 8	23 22.61	− 2 11.1	1.952	2.957	1.8	20.6
9 18	23 14.95	− 2 52.7	1.959	2.959	2.4	20.7
9 28	23 7.85	− 3 32.4	1.994	2.962	6.2	20.9
10 8	23 2.03	− 4 5.6	2.056	2.964	9.7	21.2
10 18	22 58.03	− 4 29.0	2.140	2.967	12.7	21.4

319172 2005 YR_{111} 9 11.6 77°.84 1°.8/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.69	− 7 18.1	2.216	3.093	11.1	20.8
8 19	23 35.22	− 8 12.0	2.158	3.103	8.0	20.6
8 29	23 29.26	− 9 12.1	2.125	3.113	4.7	20.4
9 8	23 22.40	−10 13.1	2.120	3.123	1.9	20.2
9 18	23 15.33	−11 9.6	2.142	3.134	3.7	20.4
9 28	23 8.83	−11 56.6	2.193	3.144	6.9	20.6
10 8	23 3.54	−12 30.5	2.270	3.154	10.0	20.8
10 18	22 59.94	−12 49.6	2.369	3.164	12.6	21.0

42750 1998 SO_{53} 9 11.7 351°.78 1°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.55	+ 4 41.9	1.972	2.820	13.5	18.9
8 19	23 33.93	+ 4 6.4	1.896	2.818	10.4	18.7
8 29	23 28.64	+ 3 13.7	1.842	2.816	6.8	18.5
9 8	23 22.26	+ 2 7.2	1.814	2.814	3.1	18.3
9 18	23 15.55	+ 0 52.3	1.812	2.812	2.6	18.2
9 28	23 9.34	− 0 24.1	1.839	2.811	6.1	18.4
10 8	23 4.41	− 1 35.1	1.892	2.810	9.8	18.7
10 18	23 1.30	− 2 35.2	1.968	2.810	13.0	18.9

353215 2009 TE_{12} 9 11.7 347°.63 3°.8/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 33.28	+17 10.5	3.894	4.642	9.2	19.8
8 19	23 30.12	+16 55.4	3.800	4.639	7.7	19.7
8 29	23 26.10	+16 26.9	3.729	4.636	6.1	19.6
9 8	23 21.54	+15 45.8	3.683	4.634	4.6	19.5
9 18	23 16.81	+14 53.8	3.665	4.631	3.8	19.4
9 28	23 12.32	+13 53.5	3.676	4.629	4.3	19.4
10 8	23 8.47	+12 48.5	3.715	4.627	5.6	19.5
10 18	23 5.55	+11 42.5	3.782	4.625	7.3	19.6

8030 Williamknight 9 11.7 10°.81 1°.4/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.76	− 7 25.4	2.138	3.013	11.6	16.7
8 19	23 36.83	− 7 47.5	2.071	3.014	8.4	16.5
8 29	23 30.27	− 8 15.1	2.028	3.015	4.9	16.2
9 8	23 22.69	− 8 44.2	2.012	3.017	1.7	16.0
9 18	23 14.85	− 9 10.3	2.023	3.018	3.3	16.2
9 28	23 7.57	− 9 29.3	2.063	3.020	6.9	16.4
10 8	23 1.59	− 9 38.1	2.129	3.022	10.1	16.6
10 18	22 57.43	− 9 35.1	2.217	3.024	13.0	16.8

3550 Link 9 11.7 246°.78 6°.6/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.93	−23 34.9	2.318	3.200	10.5	16.6
8 19	23 37.76	−24 50.4	2.255	3.188	8.4	16.5
8 29	23 30.87	−26 1.1	2.217	3.176	6.8	16.3
9 8	23 22.87	−27 0.0	2.205	3.164	6.7	16.3
9 18	23 14.52	−27 41.4	2.220	3.151	8.2	16.4
9 28	23 6.70	−28 1.4	2.261	3.138	10.5	16.5
10 8	23 0.20	−27 59.0	2.325	3.124	12.8	16.7
10 18	22 55.57	−27 35.6	2.408	3.111	14.8	16.8

139357 2001 LY_{15} 9 11.7 162°.90 3°.2/14.9 18

8 9	23 43.02	+ 8 16.4	1.822	2.650	15.3	20.8
8 19	23 38.05	+ 7 43.8	1.748	2.655	12.0	20.6
8 29	23 31.13	+ 6 49.8	1.696	2.659	8.2	20.3
9 8	23 22.95	+ 5 37.4	1.669	2.663	4.5	20.1
9 18	23 14.40	+ 4 12.1	1.669	2.666	3.5	20.1
9 28	23 6.48	+ 2 42.1	1.697	2.668	6.7	20.3
10 8	23 0.10	+ 1 15.6	1.752	2.670	10.4	20.5
10 18	22 55.84	− 0 0.2	1.831	2.672	13.9	20.7

339235 2004 UH_9 9 11.7 306°.38 4°.2/ 8.5 18

8 9	23 44.42	−11 59.2	1.488	2.383	14.5	21.2
8 19	23 39.82	−12 42.2	1.400	2.352	10.8	20.9
8 29	23 32.60	−13 31.2	1.333	2.322	6.8	20.6
9 8	23 23.45	−14 18.8	1.291	2.291	4.2	20.3
9 18	23 13.43	−14 56.4	1.274	2.260	6.6	20.4
9 28	23 3.94	−15 16.8	1.282	2.230	11.1	20.6
10 8	22 56.26	−15 15.4	1.312	2.200	15.6	20.8
10 18	22 51.33	−14 51.5	1.362	2.170	19.5	20.9

198537 2004 XR_{111} 9 11.7 254°.71 1°.8/ 9.9 18

8 9	23 43.99	− 7 18.0	1.986	2.860	12.4	21.0
8 19	23 38.75	− 7 56.2	1.902	2.845	9.1	20.8
8 29	23 31.58	− 8 42.0	1.842	2.829	5.3	20.5
9 8	23 23.09	− 9 30.4	1.808	2.813	2.0	20.3
9 18	23 14.12	−10 15.6	1.803	2.796	3.9	20.4
9 28	23 5.64	−10 51.9	1.825	2.779	7.8	20.6
10 8	22 58.56	−11 15.2	1.873	2.761	11.6	20.8
10 18	22 53.52	−11 23.1	1.944	2.744	14.8	21.0

482272 2011 SX_6 9 11.7 348°.00 1°.8/13.3 16

8 9	23 38.88	+ 2 56.2	1.543	2.410	15.7	21.4
8 19	23 35.32	+ 2 29.0	1.471	2.405	12.0	21.2
8 29	23 29.65	+ 1 42.5	1.421	2.400	7.6	20.9
9 8	23 22.58	+ 0 40.8	1.394	2.396	3.2	20.6
9 18	23 15.04	− 0 29.6	1.393	2.393	2.9	20.6
9 28	23 8.16	− 1 40.5	1.417	2.390	7.4	20.9
10 8	23 2.91	− 2 43.6	1.466	2.389	11.8	21.1
10 18	22 59.96	− 3 33.0	1.537	2.387	15.6	21.4

73148 2002 GH_{99} 9 11.7 21°.01 1°.2/10.8 18

8 9	23 39.23	− 3 37.4	0.897	1.811	19.8	17.9
8 19	23 36.35	− 4 16.6	0.858	1.820	14.5	17.7
8 29	23 30.49	− 5 13.6	0.838	1.831	8.4	17.4
9 8	23 22.80	− 6 19.1	0.838	1.844	2.2	17.1
9 18	23 14.78	− 7 21.7	0.859	1.858	4.8	17.3
9 28	23 8.08	− 8 10.4	0.901	1.874	10.7	17.7
10 8	23 3.91	− 8 38.4	0.964	1.891	15.9	18.1
10 18	23 2.88	− 8 43.3	1.044	1.909	20.2	18.4

324677 2007 DM_{84} 9 11.7 154°.27 4°.5/ 6.4 18

8 9	23 43.27	−18 46.0	2.534	3.413	9.8	20.8
8 19	23 37.71	−19 28.9	2.477	3.417	7.4	20.7
8 29	23 30.69	−20 9.1	2.445	3.420	5.3	20.5
9 8	23 22.80	−20 41.8	2.441	3.423	4.5	20.5
9 18	23 14.72	−21 2.7	2.465	3.425	5.8	20.6
9 28	23 7.20	−21 8.9	2.517	3.428	8.1	20.7
10 8	23 0.89	−20 59.5	2.594	3.430	10.5	20.9
10 18	22 56.25	−20 35.1	2.693	3.433	12.6	21.1

504101 2006 DT_{206} 9 11.7 195°.79 1°.7/13.1 17

8 9	23 44.33	+ 3 0.2	1.434	2.296	16.9	22.2
8 19	23 39.48	+ 2 29.3	1.365	2.296	12.9	21.9
8 29	23 32.20	+ 1 37.6	1.316	2.295	8.2	21.7
9 8	23 23.28	+ 0 29.5	1.291	2.293	3.3	21.4
9 18	23 13.85	− 0 47.6	1.291	2.292	3.2	21.4
9 28	23 5.20	− 2 4.3	1.318	2.290	8.1	21.7
10 8	22 58.46	− 3 11.8	1.369	2.287	12.8	21.9
10 18	22 54.35	− 4 3.8	1.442	2.285	16.8	22.2

389454 2010 DX_8 9 11.7 248°.42 0°.3/11.3 18

8 9	23 39.13	+ 2 28.2	1.807	2.666	14.1	20.2
8 19	23 35.27	+ 0 33.5	1.727	2.661	10.5	20.0
8 29	23 29.54	− 1 43.4	1.672	2.655	6.2	19.7
9 8	23 22.54	− 4 14.7	1.644	2.650	1.6	19.4
9 18	23 15.12	− 6 49.7	1.646	2.644	3.2	19.5
9 28	23 8.23	− 9 16.2	1.678	2.638	7.8	19.8
10 8	23 2.76	−11 24.4	1.736	2.633	11.9	20.0
10 18	22 59.32	−13 8.0	1.819	2.627	15.3	20.2

49138 1998 SV_{36} 9 11.7 109°.23 0°.6/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.84	+ 0 27.6	1.677	2.538	14.9	19.5
8 19	23 39.34	− 0 14.1	1.622	2.554	11.1	19.3
8 29	23 31.84	− 1 10.8	1.589	2.571	6.7	19.1
9 8	23 23.14	− 2 17.3	1.582	2.587	2.1	18.8
9 18	23 14.19	− 3 26.6	1.602	2.602	2.8	18.9
9 28	23 6.08	− 4 31.2	1.650	2.617	7.2	19.2
10 8	22 59.67	− 5 24.8	1.723	2.631	11.2	19.5
10 18	22 55.54	− 6 3.7	1.819	2.645	14.6	19.7

323352 2003 UQ_{337} 9 11.7 99°.52 2°.4/15.0 18

8 9	23 37.35	+ 8 29.6	2.397	3.217	12.3	21.5
8 19	23 33.51	+ 7 34.2	2.318	3.220	9.6	21.3
8 29	23 28.28	+ 6 21.0	2.262	3.224	6.5	21.1
9 8	23 22.17	+ 4 53.3	2.233	3.227	3.5	20.9
9 18	23 15.82	+ 3 16.2	2.233	3.230	2.6	20.9
9 28	23 9.90	+ 1 36.3	2.262	3.233	5.2	21.1
10 8	23 5.05	+ 0 0.6	2.320	3.237	8.3	21.3
10 18	23 1.74	− 1 25.3	2.404	3.240	11.1	21.4

455018 2015 TR_{303} 9 11.7 307°.44 3°.4/ 8.1 18

8 9	23 40.65	−11 55.0	2.023	2.910	11.6	20.8
8 19	23 36.23	−12 44.7	1.948	2.897	8.5	20.5
8 29	23 30.04	−13 38.3	1.898	2.885	5.3	20.3
9 8	23 22.68	−14 29.9	1.875	2.873	3.4	20.2
9 18	23 14.93	−15 13.5	1.878	2.861	5.2	20.3
9 28	23 7.70	−15 43.7	1.909	2.849	8.5	20.5
10 8	23 1.81	−15 57.6	1.964	2.837	11.8	20.6
10 18	22 57.83	−15 54.0	2.040	2.826	14.7	20.8

261726 2006 AZ_{43} 9 11.7 265°.77 7°.4/ 2.1 18

8 9	23 41.77	−26 24.1	2.302	3.183	10.6	20.2
8 19	23 36.92	−27 45.7	2.249	3.176	8.7	20.1
8 29	23 30.38	−29 0.2	2.221	3.170	7.5	20.0
9 8	23 22.76	−30 0.4	2.219	3.163	7.6	20.0
9 18	23 14.84	−30 40.7	2.243	3.156	9.0	20.1
9 28	23 7.51	−30 57.6	2.291	3.150	11.0	20.2
10 8	23 1.51	−30 51.0	2.362	3.143	13.1	20.3
10 18	22 57.40	−30 22.6	2.451	3.136	15.0	20.5

251482 2008 DF_{76} 9 11.7 53°.87 0°.3/11.4 18

8 9	23 42.74	− 3 34.4	1.986	2.853	12.7	20.6
8 19	23 37.66	− 3 52.6	1.918	2.857	9.3	20.4
8 29	23 30.82	− 4 19.9	1.875	2.860	5.5	20.2
9 8	23 22.89	− 4 52.4	1.857	2.863	1.4	19.9
9 18	23 14.66	− 5 25.5	1.868	2.867	2.7	20.0
9 28	23 7.04	− 5 54.2	1.906	2.870	6.7	20.3
10 8	23 0.82	− 6 14.6	1.970	2.874	10.3	20.5
10 18	22 56.55	− 6 24.0	2.058	2.877	13.4	20.7

88229 2001 BZ_{54} 9 11.7 153°.02 1°.9/ 7.7 17

8 9	23 34.12	−13 15.6	4.382	5.258	6.1	19.6
8 19	23 30.60	−13 52.1	4.315	5.258	4.4	19.5
8 29	23 26.35	−14 29.2	4.275	5.259	2.8	19.4
9 8	23 21.64	−15 4.6	4.264	5.259	1.9	19.3
9 18	23 16.81	−15 35.8	4.283	5.259	2.9	19.4
9 28	23 12.21	−16 0.7	4.331	5.260	4.5	19.5
10 8	23 8.18	−16 17.8	4.406	5.260	6.2	19.6
10 18	23 4.99	−16 26.2	4.505	5.260	7.7	19.7

314469 2005 WO_{69} 9 11.7 97°.03 5°.1/ 5.8 18

8 9	23 41.86	−18 26.6	2.206	3.093	10.8	21.0
8 19	23 36.89	−19 29.7	2.154	3.098	8.1	20.9
8 29	23 30.31	−20 30.7	2.127	3.102	5.8	20.8
9 8	23 22.75	−21 23.1	2.127	3.107	5.2	20.7
9 18	23 14.97	−22 1.5	2.154	3.112	6.7	20.8
9 28	23 7.80	−22 22.2	2.207	3.116	9.2	21.0
10 8	23 1.97	−22 23.9	2.284	3.120	11.8	21.2
10 18	22 57.97	−22 7.3	2.382	3.125	14.0	21.4

396421 2014 EH_{31} 9 11.7 166°.77 3°.4/ 8.3 18

8 9	23 44.44	−12 25.3	2.031	2.913	11.8	21.1
8 19	23 38.89	−13 10.9	1.969	2.915	8.6	20.9
8 29	23 31.55	−13 59.1	1.932	2.917	5.4	20.7
9 8	23 23.10	−14 43.9	1.921	2.919	3.4	20.6
9 18	23 14.37	−15 19.7	1.939	2.920	5.2	20.7
9 28	23 6.29	−15 41.9	1.983	2.922	8.4	20.9
10 8	22 59.67	−15 48.3	2.053	2.923	11.5	21.1
10 18	22 55.05	−15 38.4	2.145	2.923	14.3	21.3

342158 2008 SX_{147} 9 11.7 328°.93 7°.7/ 4.8 18

8 9	23 40.60	−18 21.6	1.345	2.254	14.8	19.8
8 19	23 37.01	−19 53.4	1.285	2.240	11.3	19.6
8 29	23 30.86	−21 25.4	1.246	2.226	8.4	19.4
9 8	23 22.98	−22 45.8	1.232	2.213	7.9	19.3
9 18	23 14.53	−23 43.8	1.240	2.201	10.2	19.4
9 28	23 6.90	−24 11.9	1.271	2.189	13.8	19.6
10 8	23 1.28	−24 8.1	1.322	2.179	17.4	19.8
10 18	22 58.42	−23 34.4	1.390	2.169	20.6	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
99356 2001 XG_{165}			9 11.7	71°.42	4°.4/ 8.4	18
	h m	° ′			°	m
8 9	23 46.12	−10 20.6	1.209	2.110	16.8	18.7
8 19	23 40.83	−11 35.2	1.171	2.126	12.1	18.5
8 29	23 32.92	−12 56.1	1.153	2.143	7.3	18.3
9 8	23 23.47	−14 12.3	1.160	2.160	4.4	18.2
9 18	23 13.83	−15 13.8	1.191	2.177	6.9	18.4
9 28	23 5.43	−15 53.0	1.246	2.194	11.3	18.7
10 8	22 59.34	−16 7.1	1.323	2.211	15.4	19.0
10 18	22 56.15	−15 57.1	1.419	2.227	18.8	19.3
385108 2012 VL_{93}			9 11.7	112°.53	0°.8/10.9	18
8 9	23 41.62	− 3 26.2	1.818	2.692	13.4	20.8
8 19	23 37.00	− 4 12.3	1.752	2.694	9.8	20.6
8 29	23 30.52	− 5 9.8	1.709	2.696	5.7	20.4
9 8	23 22.84	− 6 13.3	1.692	2.697	1.5	20.1
9 18	23 14.82	− 7 16.1	1.702	2.699	3.3	20.2
9 28	23 7.44	− 8 11.6	1.740	2.701	7.4	20.5
10 8	23 1.55	− 8 54.6	1.802	2.703	11.3	20.7
10 18	22 57.72	− 9 21.9	1.887	2.705	14.5	21.0
219971 2002 JC_{119}			9 11.7	102°.15	1°.0/10.3	18
8 9	23 39.04	− 3 30.0	2.450	3.315	10.7	20.6
8 19	23 34.63	− 4 42.1	2.393	3.331	7.7	20.5
8 29	23 28.89	− 6 2.8	2.361	3.347	4.4	20.3
9 8	23 22.36	− 7 26.9	2.358	3.363	1.3	20.1
9 18	23 15.66	− 8 48.6	2.384	3.379	2.9	20.2
9 28	23 9.46	−10 2.4	2.440	3.394	6.1	20.5
10 8	23 4.35	−11 3.9	2.523	3.409	9.0	20.7
10 18	23 0.76	−11 50.6	2.630	3.424	11.5	20.9
333964 2000 EP_{86}			9 11.7	140°.02	1°.3/13.2	17
8 9	23 43.47	+ 3 42.9	1.981	2.823	13.7	21.4
8 19	23 38.17	+ 2 52.3	1.915	2.836	10.4	21.2
8 29	23 31.12	+ 1 45.2	1.873	2.848	6.5	21.0
9 8	23 22.99	+ 0 26.1	1.857	2.859	2.6	20.8
9 18	23 14.60	− 0 58.7	1.870	2.870	2.5	20.8
9 28	23 6.85	− 2 21.7	1.912	2.880	6.3	21.1
10 8	23 0.54	− 3 36.3	1.981	2.889	10.0	21.3
10 18	22 56.19	− 4 37.7	2.074	2.898	13.1	21.6
118240 1997 LS_{3}			9 11.7	238°.43	0°.5/12.3	18
8 9	23 38.70	+ 1 9.9	2.592	3.439	10.7	20.5
8 19	23 34.48	+ 0 15.8	2.501	3.427	8.0	20.3
8 29	23 28.89	− 0 50.8	2.435	3.415	4.9	20.1
9 8	23 22.39	− 2 6.2	2.398	3.402	1.6	19.9
9 18	23 15.56	− 3 25.5	2.389	3.389	2.0	19.9
9 28	23 9.08	− 4 43.2	2.411	3.376	5.4	20.1
10 8	23 3.56	− 5 53.8	2.461	3.362	8.6	20.3
10 18	22 59.50	− 6 53.3	2.535	3.348	11.3	20.4
300521 2007 TA_{213}			9 11.7	327°.88	1°.5/12.9	18
8 9	23 42.07	+ 0 42.8	1.596	2.463	15.2	20.8
8 19	23 37.69	+ 0 39.3	1.519	2.453	11.6	20.6
8 29	23 31.11	+ 0 20.7	1.463	2.444	7.3	20.3
9 8	23 23.04	− 0 9.7	1.432	2.435	2.8	20.0
9 18	23 14.44	− 0 47.3	1.427	2.427	2.9	20.0
9 28	23 6.47	− 1 25.7	1.447	2.419	7.5	20.3
10 8	23 0.14	− 1 58.5	1.493	2.412	11.8	20.5
10 18	22 56.18	− 2 21.0	1.559	2.405	15.6	20.7
240156 2002 NB_{62}			9 11.7	87°.09	0°.1/11.6	18
8 9	23 43.74	− 2 27.2	1.794	2.661	13.8	20.7
8 19	23 38.49	− 2 54.5	1.735	2.673	10.1	20.5
8 29	23 31.35	− 3 33.0	1.699	2.684	6.0	20.3
9 8	23 23.06	− 4 18.0	1.690	2.695	1.6	20.0
9 18	23 14.51	− 5 3.9	1.707	2.707	2.8	20.1
9 28	23 6.71	− 5 44.7	1.753	2.718	7.1	20.4
10 8	23 0.48	− 6 15.7	1.823	2.729	10.9	20.7
10 18	22 56.37	− 6 34.1	1.917	2.740	14.1	20.9
273651 2007 DJ_{77}			9 11.7	145°.61	1°.8/10.3	18
8 9	23 49.09	− 8 17.6	1.805	2.677	13.5	20.9
8 19	23 42.44	− 8 33.8	1.742	2.684	9.9	20.7
8 29	23 33.71	− 8 55.4	1.703	2.690	5.8	20.5
9 8	23 23.70	− 9 17.4	1.691	2.695	2.1	20.2
9 18	23 13.41	− 9 34.9	1.707	2.701	3.9	20.4
9 28	23 3.93	− 9 43.6	1.750	2.706	8.0	20.6
10 8	22 56.17	− 9 40.6	1.820	2.710	11.7	20.9
10 18	22 50.75	− 9 25.1	1.911	2.714	14.9	21.1
304187 2006 QF_{57}			9 11.7	10°.14	7°.6/19.3	18
8 9	23 36.99	+16 38.5	1.453	2.264	19.3	19.4
8 19	23 34.10	+16 48.2	1.386	2.267	16.2	19.2
8 29	23 29.01	+16 26.7	1.337	2.270	12.7	19.0
9 8	23 22.47	+15 33.9	1.308	2.275	9.4	18.8
9 18	23 15.48	+14 13.4	1.302	2.281	7.6	18.7
9 28	23 9.22	+12 33.8	1.320	2.287	8.7	18.8
10 8	23 4.69	+10 46.5	1.363	2.295	11.7	19.0
10 18	23 2.57	+ 9 2.8	1.427	2.304	15.0	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
507961 2015 BV_{59}			9 11.7	218°.72	0°.2/11.6	17
	h m	° ′			°	m
8 9	23 45.82	− 2 12.4	1.700	2.566	14.5	22.5
8 19	23 40.34	− 2 43.9	1.623	2.560	10.8	22.3
8 29	23 32.65	− 3 28.5	1.568	2.552	6.5	22.0
9 8	23 23.46	− 4 21.6	1.539	2.545	1.7	21.7
9 18	23 13.77	− 5 16.7	1.538	2.537	3.1	21.8
9 28	23 4.71	− 6 7.0	1.564	2.528	7.8	22.0
10 8	22 57.32	− 6 46.3	1.615	2.519	12.1	22.3
10 18	22 52.29	− 7 11.0	1.688	2.509	15.8	22.5
304491 2006 UB_{121}			9 11.7	265°.55	0°.7/10.9	18
8 9	23 40.83	− 3 44.3	2.007	2.878	12.4	21.6
8 19	23 36.33	− 4 25.6	1.934	2.874	9.1	21.4
8 29	23 30.10	− 5 17.3	1.884	2.870	5.3	21.2
9 8	23 22.75	− 6 14.3	1.861	2.866	1.4	20.9
9 18	23 15.04	− 7 11.2	1.865	2.862	3.0	21.0
9 28	23 7.87	− 8 1.9	1.897	2.858	7.0	21.3
10 8	23 2.02	− 8 41.5	1.955	2.854	10.6	21.5
10 18	22 58.06	− 9 7.0	2.036	2.850	13.7	21.7
298183 2002 TY_{189}			9 11.7	1°.47	4°.2/15.1	18
8 9	23 41.74	+ 6 49.6	1.554	2.401	16.6	20.0
8 19	23 37.45	+ 7 6.5	1.484	2.400	13.1	19.8
8 29	23 30.96	+ 7 3.5	1.434	2.399	9.2	19.6
9 8	23 23.01	+ 6 41.8	1.407	2.399	5.4	19.4
9 18	23 14.58	+ 6 4.9	1.405	2.400	4.4	19.3
9 28	23 6.84	+ 5 19.2	1.429	2.402	7.5	19.5
10 8	23 0.81	+ 4 32.1	1.477	2.404	11.4	19.8
10 18	22 57.18	+ 3 50.4	1.547	2.406	15.0	20.0
386118 2007 RB_{220}			9 11.7	89°.54	0°.3/11.4	18
8 9	23 44.87	− 3 38.4	1.818	2.686	13.6	21.0
8 19	23 39.31	− 3 56.5	1.757	2.696	10.0	20.8
8 29	23 31.85	− 4 24.2	1.720	2.705	5.9	20.6
9 8	23 23.21	− 4 57.3	1.709	2.715	1.6	20.3
9 18	23 14.31	− 5 30.6	1.725	2.724	2.9	20.5
9 28	23 6.14	− 5 58.9	1.769	2.733	7.1	20.7
10 8	22 59.57	− 6 18.0	1.839	2.743	10.9	21.0
10 18	22 55.14	− 6 25.6	1.931	2.752	14.1	21.2
75644 2000 AE_{58}			9 11.7	197°.24	2°.5/14.4	18
8 9	23 43.17	+ 5 24.8	2.287	3.114	12.6	19.7
8 19	23 37.88	+ 5 17.7	2.204	3.112	9.8	19.5
8 29	23 30.97	+ 4 56.4	2.144	3.109	6.6	19.3
9 8	23 22.98	+ 4 22.8	2.110	3.106	3.5	19.1
9 18	23 14.64	+ 3 40.2	2.105	3.102	2.9	19.1
9 28	23 6.75	+ 2 53.3	2.129	3.098	5.7	19.3
10 8	23 0.07	+ 2 7.3	2.180	3.093	9.0	19.4
10 18	22 55.16	+ 1 26.8	2.256	3.088	11.9	19.6
90880 1996 WZ_{2}			9 11.7	340°.70	9°.1/ 4.4	18
8 9	23 42.19	−21 45.7	1.252	2.163	15.6	17.6
8 19	23 38.32	−23 6.4	1.199	2.151	12.3	17.4
8 29	23 31.69	−24 21.7	1.166	2.140	9.7	17.2
9 8	23 23.23	−25 19.5	1.156	2.130	9.3	17.2
9 18	23 14.25	−25 49.7	1.167	2.122	11.5	17.3
9 28	23 6.27	−25 46.9	1.201	2.114	14.9	17.5
10 8	23 0.53	−25 11.0	1.253	2.107	18.4	17.7
10 18	22 57.75	−24 6.1	1.323	2.102	21.5	17.9
512742 2016 UV_{29}			9 11.7	50°.64	8°.2/18.7	18
8 9	23 45.84	+16 16.9	1.644	2.433	18.3	20.6
8 19	23 40.41	+17 15.1	1.579	2.443	15.4	20.4
8 29	23 32.70	+17 48.2	1.533	2.454	12.3	20.2
9 8	23 23.48	+17 54.3	1.510	2.465	9.6	20.1
9 18	23 13.81	+17 34.0	1.510	2.476	8.2	20.0
9 28	23 4.89	+16 52.2	1.536	2.487	9.2	20.1
10 8	22 57.78	+15 57.0	1.586	2.499	11.7	20.3
10 18	22 53.17	+14 57.1	1.658	2.511	14.5	20.5
284518 2007 RY_{66}			9 11.7	5°.71	0°.9/12.4	18
8 9	23 41.97	− 0 19.9	1.517	2.390	15.5	20.3
8 19	23 37.60	− 0 35.8	1.451	2.390	11.6	20.1
8 29	23 31.03	− 1 6.7	1.407	2.391	7.2	19.9
9 8	23 23.03	− 1 48.5	1.387	2.392	2.4	19.6
9 18	23 14.62	− 2 35.1	1.393	2.393	2.9	19.6
9 28	23 6.95	− 3 19.6	1.424	2.395	7.7	19.9
10 8	23 1.03	− 3 55.4	1.480	2.398	12.0	20.2
10 18	22 57.52	− 4 18.4	1.557	2.401	15.8	20.4
349844 2009 CC_{55}			9 11.7	274°.47	4°.2/ 7.4	18
8 9	23 41.81	−12 37.5	1.851	2.741	12.4	20.9
8 19	23 37.29	−13 48.5	1.778	2.728	9.1	20.6
8 29	23 30.79	−15 4.3	1.729	2.715	5.8	20.4
9 8	23 22.97	−16 17.4	1.707	2.702	4.2	20.3
9 18	23 14.70	−17 20.0	1.711	2.689	6.2	20.4
9 28	23 6.98	−18 5.6	1.742	2.675	9.7	20.6
10 8	23 0.74	−18 30.6	1.797	2.662	13.1	20.8
10 18	22 56.62	−18 34.2	1.872	2.649	16.1	20.9

193491 2000 YE_6 9 11.7 254.°84 2.°0/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.57	− 7 52.5	1.966	2.841	12.4	20.5
8 19	23 39.24	− 8 31.2	1.881	2.825	9.1	20.2
8 29	23 31.94	− 9 17.2	1.821	2.808	5.4	20.0
9 8	23 23.30	−10 5.3	1.787	2.791	2.2	19.7
9 18	23 14.15	−10 49.5	1.781	2.773	4.1	19.8
9 28	23 5.49	−11 24.2	1.803	2.755	8.0	20.0
10 8	22 58.25	−11 45.3	1.850	2.737	11.8	20.2
10 18	22 53.08	−11 50.6	1.920	2.718	15.0	20.4

176910 2002 VR_{78} 9 11.7 305.°68 0.°1/11.7 18

8 9	23 39.81	− 1 13.3	1.734	2.606	14.0	20.4
8 19	23 35.97	− 1 52.0	1.648	2.588	10.4	20.1
8 29	23 30.09	− 2 45.7	1.584	2.569	6.3	19.8
9 8	23 22.81	− 3 49.7	1.545	2.551	1.8	19.5
9 18	23 14.97	− 4 57.6	1.533	2.533	3.0	19.6
9 28	23 7.61	− 6 1.9	1.548	2.515	7.6	19.8
10 8	23 1.70	− 6 55.6	1.588	2.498	11.9	20.0
10 18	22 57.96	− 7 33.9	1.649	2.481	15.6	20.2

207299 2005 GR_{45} 9 11.7 166.°67 2.°8/ 8.4 18

8 9	23 44.46	−12 5.3	2.473	3.345	10.3	21.3
8 19	23 38.63	−12 49.4	2.409	3.351	7.5	21.2
8 29	23 31.31	−13 35.6	2.371	3.355	4.6	21.0
9 8	23 23.07	−14 19.2	2.361	3.359	2.8	20.9
9 18	23 14.61	−14 55.4	2.381	3.363	4.4	21.0
9 28	23 6.70	−15 20.4	2.429	3.365	7.2	21.2
10 8	22 59.99	−15 32.2	2.504	3.367	9.9	21.4
10 18	22 54.97	−15 30.0	2.602	3.369	12.3	21.6

77104 2001 DV_{67} 9 11.7 178.°52 0.°3/11.9 18

8 9	23 46.13	− 1 0.0	1.823	2.681	14.0	20.5
8 19	23 40.36	− 1 29.1	1.751	2.683	10.4	20.3
8 29	23 32.56	− 2 11.2	1.702	2.684	6.3	20.1
9 8	23 23.45	− 3 1.9	1.680	2.685	1.9	19.8
9 18	23 13.95	− 3 55.5	1.685	2.685	2.8	19.9
9 28	23 5.12	− 4 45.5	1.719	2.684	7.2	20.1
10 8	22 57.87	− 5 26.4	1.779	2.683	11.2	20.4
10 18	22 52.83	− 5 54.5	1.861	2.681	14.6	20.6

116509 2004 BH_{27} 9 11.7 121.°16 12.°5/27.8 18

8 9	23 46.43	+33 37.4	1.941	2.588	20.1	19.9
8 19	23 40.87	+34 31.7	1.872	2.603	18.3	19.8
8 29	23 33.00	+34 53.4	1.818	2.616	16.3	19.7
9 8	23 23.59	+34 38.2	1.781	2.630	14.4	19.6
9 18	23 13.71	+33 45.2	1.765	2.642	13.0	19.5
9 28	23 4.57	+32 18.0	1.770	2.655	12.5	19.5
10 8	22 57.23	+30 25.3	1.799	2.666	13.0	19.6
10 18	22 52.41	+28 18.1	1.851	2.678	14.4	19.7

256474 2007 DF_{55} 9 11.7 110.°80 0.°3/12.0 18

8 9	23 43.36	− 2 12.7	2.366	3.220	11.4	20.4
8 19	23 37.86	− 2 21.6	2.299	3.229	8.4	20.2
8 29	23 30.86	− 2 38.7	2.257	3.238	5.1	20.0
9 8	23 22.96	− 3 1.1	2.242	3.247	1.5	19.8
9 18	23 14.83	− 3 25.4	2.256	3.255	2.2	19.9
9 28	23 7.25	− 3 47.7	2.299	3.264	5.7	20.1
10 8	23 0.88	− 4 4.6	2.370	3.272	8.8	20.3
10 18	22 56.20	− 4 13.8	2.464	3.280	11.5	20.5

347993 2003 SD_{165} 9 11.7 353.°14 11.°0/ 5.9 18

8 9	23 50.39	−27 46.9	1.178	2.076	17.3	19.3
8 19	23 44.48	−28 16.5	1.129	2.068	14.2	19.0
8 29	23 35.35	−28 29.4	1.098	2.061	11.7	18.9
9 8	23 24.23	−28 15.0	1.089	2.055	11.0	18.8
9 18	23 12.78	−27 26.8	1.102	2.051	12.6	18.9
9 28	23 2.79	−26 4.0	1.137	2.049	15.7	19.1
10 8	22 55.58	−24 12.2	1.192	2.048	19.0	19.3
10 18	22 51.81	−21 59.2	1.264	2.049	22.0	19.5

75538 1999 XV_{230} 9 11.7 263.°39 3.°8/ 7.7 18

8 9	23 44.68	−13 26.7	2.156	3.036	11.3	20.7
8 19	23 39.26	−14 20.8	2.067	3.012	8.4	20.5
8 29	23 31.94	−15 18.2	2.004	2.987	5.4	20.2
9 8	23 23.32	−16 12.8	1.967	2.962	3.8	20.1
9 18	23 14.16	−16 58.4	1.959	2.936	5.6	20.2
9 28	23 5.43	−17 29.7	1.978	2.909	8.9	20.3
10 8	22 57.99	−17 43.5	2.023	2.883	12.1	20.5
10 18	22 52.52	−17 39.0	2.089	2.855	15.0	20.6

487252 2014 PY_{27} 9 11.7 177.°24 2.°9/ 7.8 18

8 9	23 38.61	−10 52.2	2.417	3.299	10.1	20.9
8 19	23 34.46	−12 3.5	2.352	3.299	7.3	20.7
8 29	23 28.89	−13 19.1	2.313	3.300	4.5	20.5
9 8	23 22.44	−14 33.2	2.302	3.300	2.9	20.4
9 18	23 15.73	−15 40.0	2.320	3.300	4.6	20.5
9 28	23 9.47	−16 34.5	2.366	3.300	7.4	20.7
10 8	23 4.31	−17 13.4	2.437	3.300	10.2	20.9
10 18	23 0.71	−17 35.6	2.531	3.300	12.6	21.1

264268 1995 UE_{18} 9 11.7 321.°21 2.°1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.80	+ 2 18.9	1.210	2.091	18.1	20.6
8 19	23 36.72	+ 2 6.8	1.130	2.072	14.0	20.2
8 29	23 30.93	+ 1 32.2	1.070	2.052	9.0	19.9
9 8	23 23.13	+ 0 38.2	1.031	2.034	3.7	19.6
9 18	23 14.49	− 0 28.3	1.015	2.016	3.6	19.5
9 28	23 6.50	− 1 37.4	1.023	1.999	9.1	19.8
10 8	23 0.52	− 2 38.6	1.053	1.983	14.5	20.0
10 18	22 57.50	− 3 24.1	1.102	1.968	19.2	20.3

116743 2004 DB_{48} 9 11.7 173.°79 0.°5/11.3 18

8 9	23 42.18	− 1 17.7	1.569	2.444	15.1	19.9
8 19	23 37.73	− 2 17.3	1.503	2.444	11.1	19.6
8 29	23 31.12	− 3 33.2	1.458	2.445	6.6	19.4
9 8	23 23.10	− 4 58.8	1.439	2.445	1.7	19.0
9 18	23 14.66	− 6 25.6	1.447	2.445	3.4	19.2
9 28	23 6.94	− 7 44.5	1.481	2.445	8.2	19.5
10 8	23 0.92	− 8 48.2	1.540	2.445	12.5	19.7
10 18	22 57.25	− 9 32.6	1.620	2.445	16.1	20.0

479743 2014 EK_8 9 11.7 120.°91 4.°5/ 6.7 18

8 9	23 43.00	−15 1.9	2.070	2.956	11.4	21.7
8 19	23 37.80	−16 14.7	2.021	2.967	8.4	21.6
8 29	23 30.91	−17 28.0	1.997	2.978	5.6	21.4
9 8	23 23.01	−18 34.7	2.000	2.989	4.5	21.4
9 18	23 14.90	−19 28.7	2.030	2.999	6.2	21.5
9 28	23 7.46	−20 5.1	2.088	3.009	9.0	21.7
10 8	23 1.43	−20 22.2	2.170	3.018	11.8	21.9
10 18	22 57.33	−20 20.1	2.273	3.028	14.2	22.1

436113 2009 SV_{354} 9 11.7 261.°17 3.°7/ 4.0 16

8 9	23 36.53	−24 32.1	4.524	5.395	6.0	21.3
8 19	23 32.39	−25 5.3	4.464	5.390	4.8	21.2
8 29	23 27.45	−25 34.8	4.430	5.385	3.9	21.1
9 8	23 22.04	−25 57.9	4.425	5.380	3.8	21.1
9 18	23 16.51	−26 12.5	4.448	5.375	4.6	21.2
9 28	23 11.24	−26 16.9	4.499	5.370	5.8	21.3
10 8	23 6.59	−26 10.7	4.575	5.365	7.1	21.4
10 18	23 2.86	−25 53.8	4.673	5.360	8.3	21.5

355740 2008 HV_3 9 11.7 110.°38 1.°2/10.2 18

8 9	23 42.17	− 6 23.6	2.557	3.422	10.3	21.5
8 19	23 36.85	− 7 1.9	2.503	3.441	7.4	21.3
8 29	23 30.21	− 7 45.7	2.474	3.460	4.3	21.1
9 8	23 22.80	− 8 30.8	2.473	3.478	1.4	21.0
9 18	23 15.26	− 9 13.0	2.502	3.496	2.9	21.1
9 28	23 8.26	− 9 48.3	2.560	3.514	5.9	21.3
10 8	23 2.39	−10 14.0	2.646	3.531	8.7	21.5
10 18	22 58.06	−10 28.3	2.755	3.547	11.1	21.7

396407 2014 EJ_7 9 11.7 198.°92 1.°0/10.8 18

8 9	23 46.91	− 6 22.4	2.206	3.068	11.8	22.0
8 19	23 40.66	− 6 37.8	2.129	3.065	8.6	21.8
8 29	23 32.65	− 6 59.3	2.077	3.062	5.1	21.5
9 8	23 23.51	− 7 23.1	2.052	3.058	1.5	21.3
9 18	23 14.03	− 7 45.0	2.057	3.053	3.0	21.4
9 28	23 5.10	− 8 1.2	2.091	3.048	6.7	21.6
10 8	22 57.52	− 8 8.4	2.152	3.043	10.1	21.8
10 18	22 51.86	− 8 5.0	2.236	3.037	13.1	22.0

391593 2007 TW_{444} 9 11.7 327.°34 4.°3/ 7.9 18

8 9	23 43.40	−13 18.2	1.689	2.581	13.2	20.2
8 19	23 38.53	−14 10.8	1.627	2.578	9.7	19.9
8 29	23 31.55	−15 6.1	1.588	2.574	6.2	19.7
9 8	23 23.23	−15 56.9	1.574	2.570	4.3	19.6
9 18	23 14.53	−16 36.0	1.587	2.567	6.3	19.7
9 28	23 6.56	−16 58.0	1.625	2.564	9.9	19.9
10 8	23 0.26	−17 0.3	1.687	2.561	13.4	20.2
10 18	22 56.27	−16 42.8	1.769	2.558	16.4	20.4

99581 2002 FQ_{35} 9 11.7 35.°57 5.°7/19.2 18

8 9	23 37.05	+18 29.8	1.623	2.414	18.4	18.2
8 19	23 33.74	+17 20.2	1.571	2.442	15.1	18.1
8 29	23 28.60	+15 37.8	1.537	2.471	11.4	17.9
9 8	23 22.38	+13 26.9	1.528	2.500	7.7	17.8
9 18	23 16.03	+10 56.2	1.544	2.530	5.7	17.7
9 28	23 10.48	+ 8 17.7	1.588	2.560	7.0	17.9
10 8	23 6.53	+ 5 44.2	1.660	2.591	10.1	18.1
10 18	23 4.62	+ 3 26.1	1.757	2.622	13.2	18.4

133265 2003 SX_1 9 11.7 119.°86 0.°2/11.9 18

8 9	23 42.72	− 0 59.2	1.866	2.729	13.5	20.4
8 19	23 37.77	− 1 37.3	1.802	2.737	10.0	20.2
8 29	23 30.99	− 2 28.2	1.761	2.744	6.0	20.0
9 8	23 23.06	− 3 27.0	1.746	2.751	1.7	19.7
9 18	23 14.84	− 4 27.8	1.759	2.758	2.7	19.8
9 28	23 7.28	− 5 24.1	1.799	2.765	6.9	20.1
10 8	23 1.20	− 6 10.5	1.866	2.771	10.6	20.3
10 18	22 57.15	− 6 43.3	1.955	2.778	13.8	20.6

452259 2015 TM_{127} 9 11.7 279°.01 3°.0/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.04	−10 43.5	2.279	3.163	10.6	21.6
8 19	23 34.90	−11 50.5	2.208	3.156	7.7	21.4
8 29	23 29.24	−13 2.3	2.163	3.149	4.7	21.2
9 8	23 22.59	−14 13.2	2.144	3.143	3.0	21.0
9 18	23 15.62	−15 17.0	2.154	3.136	4.7	21.2
9 28	23 9.11	−16 8.5	2.192	3.129	7.8	21.3
10 8	23 3.75	−16 44.1	2.255	3.122	10.7	21.5
10 18	23 0.05	−17 2.4	2.340	3.115	13.3	21.7

53730 2000 EL_{37} 9 11.7 138°.44 0°.8/12.5 18

8 9	23 45.60	+ 0 16.5	1.817	2.673	14.2	19.6
8 19	23 39.92	− 0 9.1	1.753	2.682	10.6	19.4
8 29	23 32.28	− 0 48.3	1.712	2.692	6.5	19.2
9 8	23 23.42	− 1 37.0	1.696	2.700	2.2	19.0
9 18	23 14.27	− 2 29.6	1.708	2.708	2.6	19.0
9 28	23 5.83	− 3 19.8	1.749	2.716	6.9	19.3
10 8	22 58.98	− 4 2.1	1.815	2.723	10.8	19.5
10 18	22 54.31	− 4 32.5	1.905	2.730	14.1	19.8

393750 2005 EU_{187} 9 11.7 185°.67 0°.3/11.4 18

8 9	23 43.30	− 3 1.0	2.414	3.269	11.1	23.0
8 19	23 37.89	− 3 32.1	2.337	3.269	8.2	22.8
8 29	23 30.96	− 4 11.9	2.286	3.269	4.8	22.6
9 8	23 23.06	− 4 56.6	2.262	3.268	1.3	22.3
9 18	23 14.87	− 5 41.9	2.268	3.266	2.4	22.4
9 28	23 7.15	− 6 23.3	2.303	3.264	5.9	22.6
10 8	23 0.59	− 6 56.7	2.365	3.261	9.1	22.8
10 18	22 55.69	− 7 19.5	2.452	3.257	11.9	23.0

121695 1999 XP_{68} 9 11.7 248°.76 4°.4/17.3 18

8 9	23 39.94	+13 1.9	2.614	3.400	12.3	20.4
8 19	23 35.49	+13 0.4	2.516	3.387	10.1	20.2
8 29	23 29.59	+12 41.9	2.440	3.374	7.7	20.0
9 8	23 22.71	+12 7.0	2.389	3.361	5.4	19.9
9 18	23 15.45	+11 17.7	2.366	3.347	4.4	19.8
9 28	23 8.52	+10 18.0	2.371	3.334	5.7	19.8
10 8	23 2.57	+ 9 13.4	2.404	3.320	8.1	20.0
10 18	22 58.14	+ 8 9.1	2.463	3.306	10.7	20.1

424536 2008 EH_{117} 9 11.7 156°.54 0°.2/11.6 17

8 9	23 45.02	− 1 36.0	1.833	2.695	13.8	22.1
8 19	23 39.51	− 2 19.7	1.767	2.702	10.2	21.8
8 29	23 32.06	− 3 16.3	1.724	2.708	6.1	21.6
9 8	23 23.38	− 4 20.4	1.708	2.714	1.6	21.3
9 18	23 14.38	− 5 25.7	1.720	2.719	2.9	21.4
9 28	23 6.06	− 6 25.4	1.760	2.723	7.2	21.7
10 8	22 59.30	− 7 13.7	1.826	2.727	11.1	22.0
10 18	22 54.69	− 7 47.2	1.914	2.730	14.4	22.2

30332 Tanaytandon 9 11.7 171°.01 2°.1/13.6 18

8 9	23 44.60	+ 3 35.6	1.816	2.661	14.6	19.2
8 19	23 39.28	+ 3 18.3	1.743	2.663	11.2	19.0
8 29	23 31.98	+ 2 44.6	1.692	2.665	7.3	18.8
9 8	23 23.38	+ 1 57.5	1.667	2.667	3.3	18.6
9 18	23 14.38	+ 1 1.9	1.669	2.668	2.9	18.5
9 28	23 6.02	+ 0 4.5	1.699	2.669	6.7	18.8
10 8	22 59.21	− 0 48.3	1.755	2.669	10.7	19.0
10 18	22 54.57	− 1 31.2	1.834	2.669	14.1	19.3

514460 2016 UP_{98} 9 11.7 177°.22 1°.7/13.5 18

8 9	23 41.33	+ 3 37.9	2.017	2.862	13.4	21.9
8 19	23 36.72	+ 3 5.6	1.942	2.863	10.2	21.7
8 29	23 30.38	+ 2 17.4	1.890	2.864	6.6	21.5
9 8	23 22.93	+ 1 16.9	1.863	2.864	2.8	21.2
9 18	23 15.13	+ 0 9.3	1.864	2.864	2.5	21.2
9 28	23 7.87	− 0 59.1	1.894	2.864	6.2	21.5
10 8	23 1.94	− 2 1.8	1.950	2.864	9.8	21.7
10 18	22 57.89	− 2 53.9	2.030	2.863	13.0	21.9

19160 Chikayoshitomi 9 11.7 342°.95 3°.0/13.9 18

8 9	23 35.88	+ 4 10.0	0.969	1.864	20.4	17.2
8 19	23 34.17	+ 3 59.5	0.903	1.850	15.9	16.9
8 29	23 29.53	+ 3 19.9	0.854	1.838	10.5	16.5
9 8	23 22.81	+ 2 14.8	0.825	1.827	4.9	16.2
9 18	23 15.28	+ 0 52.3	0.817	1.818	4.1	16.1
9 28	23 8.62	− 0 34.6	0.830	1.810	9.7	16.4
10 8	23 4.26	− 1 52.3	0.863	1.804	15.4	16.7
10 18	23 3.13	− 2 51.0	0.914	1.800	20.4	17.0

448703 2010 XB_{47} 9 11.7 266°.73 0°.9/10.7 17

8 9	23 40.14	− 4 41.4	2.393	3.260	10.8	22.0
8 19	23 35.69	− 5 20.2	2.307	3.245	7.9	21.8
8 29	23 29.72	− 6 7.3	2.245	3.231	4.6	21.6
9 8	23 22.75	− 6 58.7	2.211	3.217	1.3	21.3
9 18	23 15.42	− 7 49.7	2.206	3.202	2.8	21.4
9 28	23 8.47	− 8 35.4	2.229	3.188	6.3	21.6
10 8	23 2.60	− 9 11.5	2.279	3.173	9.5	21.8
10 18	22 58.33	− 9 35.4	2.353	3.158	12.4	22.0

334011 2000 UL_{90} 9 11.7 329°.62 5°.3/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.90	−14 16.3	1.267	2.173	15.8	19.3
8 19	23 39.67	−14 51.5	1.197	2.154	11.8	19.0
8 29	23 32.63	−15 29.2	1.147	2.135	7.6	18.7
9 8	23 23.63	−16 0.5	1.120	2.118	5.3	18.5
9 18	23 13.93	−16 16.9	1.117	2.101	7.6	18.6
9 28	23 5.05	−16 12.2	1.137	2.086	12.0	18.8
10 8	22 58.33	−15 43.9	1.178	2.071	16.5	19.0
10 18	22 54.61	−14 53.2	1.237	2.058	20.4	19.2

175590 2006 UE_5 9 11.7 33°.24 0°.9/12.3 17

8 9	23 44.47	− 0 56.6	1.108	1.998	18.8	19.8
8 19	23 39.91	− 1 3.2	1.062	2.009	14.0	19.5
8 29	23 32.59	− 1 27.5	1.034	2.021	8.6	19.3
9 8	23 23.55	− 2 4.0	1.029	2.034	2.8	19.0
9 18	23 14.19	− 2 45.3	1.047	2.047	3.5	19.1
9 28	23 6.01	− 3 22.9	1.088	2.062	9.1	19.5
10 8	23 0.20	− 3 49.7	1.152	2.077	14.0	19.8
10 18	22 57.38	− 4 1.6	1.235	2.093	18.1	20.1

448397 2009 QV_{60} 9 11.7 41°.81 1°.5/ 9.7 18

8 9	23 37.35	− 1 20.6	1.842	2.716	13.2	19.9
8 19	23 33.84	− 3 26.4	1.786	2.730	9.5	19.7
8 29	23 28.66	− 5 47.4	1.756	2.745	5.4	19.5
9 8	23 22.45	− 8 14.1	1.754	2.760	1.7	19.2
9 18	23 16.00	−10 36.1	1.782	2.775	3.9	19.4
9 28	23 10.17	−12 43.3	1.839	2.791	7.9	19.7
10 8	23 5.70	−14 28.5	1.922	2.807	11.4	20.0
10 18	23 3.09	−15 48.6	2.027	2.823	14.4	20.2

4834 Thoas 9 11.7 284°.49 6°.4/27.4 18

8 9	23 38.19	−39 37.0	4.331	5.159	7.1	16.4
8 19	23 33.79	−40 32.0	4.290	5.149	6.5	16.3
8 29	23 28.38	−41 17.6	4.273	5.138	6.4	16.3
9 8	23 22.35	−41 50.5	4.281	5.128	6.7	16.3
9 18	23 16.15	−42 8.4	4.313	5.118	7.4	16.4
9 28	23 10.28	−42 10.0	4.369	5.107	8.2	16.4
10 8	23 5.20	−41 55.6	4.444	5.097	9.1	16.5
10 18	23 1.26	−41 26.3	4.537	5.086	9.9	16.6

99108 2001 FM_{55} 9 11.7 221°.97 5°.2/19.9 18

8 9	23 38.85	+19 13.3	2.945	3.684	12.1	20.0
8 19	23 34.55	+18 57.9	2.844	3.675	10.3	19.9
8 29	23 28.97	+18 23.5	2.765	3.666	8.2	19.7
9 8	23 22.55	+17 30.3	2.711	3.657	6.3	19.6
9 18	23 15.82	+16 20.3	2.683	3.647	5.2	19.5
9 28	23 9.41	+14 57.5	2.685	3.636	5.8	19.5
10 8	23 3.91	+13 27.4	2.715	3.626	7.5	19.6
10 18	22 59.77	+11 56.0	2.772	3.615	9.6	19.7

451162 2009 SN_{138} 9 11.7 298°.72 1°.3/10.4 17

8 9	23 41.01	− 6 26.1	2.176	3.050	11.5	21.4
8 19	23 36.49	− 6 55.3	2.089	3.031	8.4	21.2
8 29	23 30.29	− 7 31.9	2.025	3.012	4.9	20.9
9 8	23 22.94	− 8 11.5	1.989	2.994	1.6	20.7
9 18	23 15.15	− 8 49.5	1.980	2.975	3.3	20.8
9 28	23 7.78	− 9 20.9	1.999	2.957	7.0	21.0
10 8	23 1.60	− 9 41.9	2.044	2.938	10.4	21.2
10 18	22 57.21	− 9 50.0	2.112	2.920	13.5	21.3

193432 2000 WA_{111} 9 11.7 292°.21 0°.5/12.1 18

8 9	23 43.88	− 1 29.0	1.667	2.536	14.6	20.2
8 19	23 39.19	− 1 43.9	1.574	2.511	11.0	19.9
8 29	23 32.19	− 2 12.4	1.502	2.486	6.8	19.6
9 8	23 23.52	− 2 51.0	1.456	2.461	2.1	19.2
9 18	23 14.11	− 3 34.5	1.436	2.436	3.0	19.2
9 28	23 5.13	− 4 16.0	1.442	2.411	7.9	19.5
10 8	22 57.72	− 4 49.5	1.474	2.386	12.5	19.7
10 18	22 52.70	− 5 10.1	1.526	2.361	16.5	19.9

99966 1979 MC_8 9 11.7 40°.52 1°.4/12.8 17

8 9	23 43.25	+ 1 23.5	1.114	1.998	19.1	19.5
8 19	23 38.88	+ 1 0.5	1.074	2.018	14.3	19.3
8 29	23 31.89	+ 0 16.6	1.054	2.038	8.8	19.1
9 8	23 23.35	− 0 41.9	1.055	2.060	3.2	18.8
9 18	23 14.61	− 1 46.0	1.081	2.082	3.4	18.9
9 28	23 7.10	− 2 46.0	1.130	2.105	8.7	19.3
10 8	23 1.87	− 3 33.6	1.202	2.128	13.5	19.6
10 18	22 59.50	− 4 4.3	1.293	2.152	17.4	19.9

451838 2013 JL_{36} 9 11.7 48°.57 5°.1/ 5.7 18

8 9	23 39.50	−15 38.5	1.979	2.873	11.5	20.5
8 19	23 35.38	−17 10.5	1.931	2.880	8.5	20.3
8 29	23 29.57	−18 43.0	1.907	2.888	5.9	20.2
9 8	23 22.71	−20 8.0	1.911	2.896	5.1	20.1
9 18	23 15.60	−21 18.4	1.941	2.904	7.0	20.3
9 28	23 9.13	−22 8.7	1.998	2.912	9.8	20.5
10 8	23 4.03	−22 36.6	2.078	2.920	12.5	20.7
10 18	23 0.82	−22 42.5	2.178	2.929	14.9	20.9

350961 2003 AO_{91} 9 11.7 163°.95 0°.3/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.13	− 3 44.7	2.876	3.727	9.7	21.9
8 19	23 37.52	− 4 7.9	2.804	3.734	7.1	21.7
8 29	23 30.64	− 4 37.6	2.757	3.739	4.2	21.5
9 8	23 22.99	− 5 10.7	2.739	3.745	1.1	21.3
9 18	23 15.13	− 5 43.8	2.751	3.749	2.1	21.4
9 28	23 7.70	− 6 13.6	2.794	3.753	5.1	21.6
10 8	23 1.26	− 6 37.0	2.865	3.757	7.9	21.8
10 18	22 56.24	− 6 52.2	2.961	3.760	10.2	22.0

72627 2001 FZ_{27} 9 11.7 86°.17 1°.5/ 9.9 18

8 9	23 38.95	− 5 40.9	2.276	3.150	11.0	19.2
8 19	23 34.77	− 6 41.5	2.212	3.156	8.0	19.0
8 29	23 29.13	− 7 50.1	2.174	3.162	4.6	18.8
9 8	23 22.59	− 9 1.2	2.163	3.168	1.6	18.6
9 18	23 15.81	−10 9.1	2.181	3.174	3.3	18.7
9 28	23 9.53	−11 8.3	2.227	3.180	6.7	19.0
10 8	23 4.40	−11 54.8	2.299	3.186	9.8	19.2
10 18	23 0.90	−12 26.2	2.394	3.192	12.4	19.4

296507 2009 KL_{4} 9 11.7 23°.19 4°.9/18.3 18

8 9	23 35.98	+16 39.8	1.800	2.596	16.7	19.3
8 19	23 32.98	+15 28.6	1.727	2.604	13.7	19.2
8 29	23 28.21	+13 46.5	1.674	2.613	10.2	19.0
9 8	23 22.36	+11 37.1	1.645	2.623	6.7	18.8
9 18	23 16.21	+ 9 7.6	1.643	2.633	4.9	18.7
9 28	23 10.69	+ 6 29.3	1.670	2.643	6.5	18.8
10 8	23 6.57	+ 3 54.4	1.725	2.654	9.8	19.0
10 18	23 4.38	+ 1 33.2	1.806	2.666	13.2	19.3

393157 2013 CD_{16} 9 11.7 284°.80 1°.7/14.8 15

8 9	23 36.83	+ 5 15.0	4.410	5.221	7.3	20.7
8 19	23 32.64	+ 5 21.8	4.317	5.214	5.7	20.6
8 29	23 27.66	+ 5 21.7	4.249	5.207	3.9	20.5
9 8	23 22.17	+ 5 15.5	4.210	5.201	2.2	20.4
9 18	23 16.51	+ 5 4.5	4.200	5.194	1.8	20.3
9 28	23 11.06	+ 4 50.6	4.221	5.187	3.3	20.4
10 8	23 6.15	+ 4 35.6	4.271	5.180	5.0	20.5
10 18	23 2.09	+ 4 21.7	4.348	5.174	6.7	20.7

148658 2001 SG_{128} 9 11.7 84°.82 2°.8/14.1 18

8 9	23 44.70	+ 4 41.3	1.550	2.400	16.5	19.9
8 19	23 39.57	+ 4 34.9	1.487	2.409	12.7	19.7
8 29	23 32.23	+ 4 9.2	1.446	2.418	8.4	19.5
9 8	23 23.47	+ 3 27.4	1.428	2.426	4.2	19.3
9 18	23 14.35	+ 2 34.6	1.437	2.435	3.4	19.3
9 28	23 6.04	+ 1 38.3	1.472	2.444	7.3	19.5
10 8	22 59.53	+ 0 45.9	1.531	2.452	11.5	19.8
10 18	22 55.46	+ 0 3.3	1.613	2.461	15.1	20.0

397649 2007 XW_{56} 9 11.7 282°.84 3°.6/ 8.2 18

8 9	23 42.53	−11 37.4	1.877	2.764	12.4	20.9
8 19	23 37.85	−12 32.4	1.800	2.749	9.1	20.7
8 29	23 31.19	−13 32.4	1.747	2.734	5.6	20.4
9 8	23 23.21	−14 30.8	1.720	2.719	3.6	20.3
9 18	23 14.75	−15 20.6	1.720	2.703	5.6	20.4
9 28	23 6.83	−15 56.0	1.747	2.688	9.1	20.6
10 8	23 0.37	−16 13.2	1.798	2.673	12.7	20.8
10 18	22 56.01	−16 11.2	1.870	2.657	15.8	20.9

187988 2001 RM_{79} 9 11.7 358°.98 6°.9/18.4 18

8 9	23 29.04	+14 42.9	0.976	1.839	22.9	18.8
8 19	23 28.97	+14 19.5	0.914	1.833	18.9	18.5
8 29	23 26.33	+13 11.6	0.868	1.828	14.3	18.2
9 8	23 21.92	+11 20.6	0.840	1.826	9.5	18.0
9 18	23 16.93	+ 8 55.3	0.833	1.827	6.9	17.8
9 28	23 12.79	+ 6 12.4	0.847	1.829	9.2	18.0
10 8	23 10.75	+ 3 32.3	0.883	1.834	13.8	18.2
10 18	23 11.53	+ 1 11.8	0.938	1.841	18.5	18.5

359558 2010 SC_{42} 9 11.7 55°.73 2°.8/14.4 18

8 9	23 43.40	+ 4 41.1	2.025	2.861	13.7	20.7
8 19	23 38.21	+ 4 51.1	1.954	2.867	10.6	20.5
8 29	23 31.27	+ 4 46.9	1.906	2.873	7.1	20.3
9 8	23 23.20	+ 4 30.0	1.883	2.879	3.8	20.1
9 18	23 14.82	+ 4 3.6	1.888	2.885	3.2	20.1
9 28	23 7.01	+ 3 32.3	1.921	2.891	6.1	20.3
10 8	23 0.59	+ 3 1.2	1.980	2.897	9.5	20.5
10 18	22 56.10	+ 2 34.6	2.063	2.904	12.6	20.7

511429 2014 HR_{188} 9 11.7 72°.84 1°.0/10.8 18

8 9	23 44.09	− 5 29.4	1.817	2.691	13.3	20.8
8 19	23 38.82	− 5 54.9	1.756	2.698	9.7	20.6
8 29	23 31.66	− 6 28.7	1.718	2.705	5.7	20.4
9 8	23 23.31	− 7 6.0	1.706	2.712	1.6	20.1
9 18	23 14.68	− 7 41.4	1.722	2.719	3.3	20.3
9 28	23 6.77	− 8 9.5	1.765	2.726	7.4	20.5
10 8	23 0.42	− 8 26.6	1.834	2.733	11.1	20.8
10 18	22 56.20	− 8 30.5	1.924	2.741	14.3	21.0

232163 2002 CH_{294} 9 11.7 240°.21 0°.3/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 48.43	− 4 51.3	1.713	2.581	14.3	20.1
8 19	23 42.23	− 4 49.5	1.640	2.578	10.6	19.9
8 29	23 33.81	− 4 56.1	1.590	2.575	6.3	19.6
9 8	23 23.93	− 5 7.1	1.567	2.572	1.7	19.3
9 18	23 13.61	− 5 18.4	1.570	2.569	3.1	19.4
9 28	23 4.01	− 5 25.4	1.602	2.566	7.7	19.7
10 8	22 56.15	− 5 24.4	1.658	2.563	11.8	20.0
10 18	22 50.71	− 5 13.1	1.737	2.560	15.3	20.2

210374 2007 VG_{39} 9 11.7 226°.69 0°.7/11.1 18

8 9	23 42.83	− 4 3.5	1.964	2.833	12.7	20.6
8 19	23 37.89	− 4 35.3	1.891	2.831	9.3	20.4
8 29	23 31.13	− 5 16.7	1.842	2.827	5.5	20.1
9 8	23 23.20	− 6 3.4	1.819	2.824	1.5	19.8
9 18	23 14.90	− 6 49.8	1.823	2.821	3.0	20.0
9 28	23 7.16	− 7 30.3	1.856	2.818	7.0	20.2
10 8	23 0.82	− 8 0.5	1.914	2.814	10.7	20.4
10 18	22 56.46	− 8 17.5	1.995	2.811	13.9	20.6

235683 2004 RT_{336} 9 11.7 299°.43 0°.1/11.7 18

8 9	23 44.26	− 3 9.6	1.573	2.449	15.0	21.0
8 19	23 39.51	− 3 22.0	1.490	2.431	11.2	20.7
8 29	23 32.40	− 3 46.5	1.428	2.413	6.8	20.4
9 8	23 23.62	− 4 19.0	1.390	2.396	1.9	20.0
9 18	23 14.17	− 4 54.0	1.379	2.378	3.2	20.1
9 28	23 5.28	− 5 24.9	1.394	2.361	8.2	20.4
10 8	22 58.10	− 5 46.1	1.433	2.344	12.8	20.6
10 18	22 53.42	− 5 53.9	1.493	2.327	16.8	20.8

483230 2015 RE_{70} 9 11.7 255°.09 1°.1/10.6 18

8 9	23 42.31	− 5 58.3	2.261	3.130	11.3	21.7
8 19	23 37.33	− 6 24.6	2.183	3.122	8.3	21.5
8 29	23 30.74	− 6 57.8	2.128	3.114	4.8	21.3
9 8	23 23.09	− 7 33.9	2.101	3.106	1.5	21.1
9 18	23 15.11	− 8 8.5	2.102	3.098	3.0	21.2
9 28	23 7.59	− 8 37.2	2.132	3.090	6.6	21.4
10 8	23 1.27	− 8 56.3	2.188	3.082	9.9	21.6
10 18	22 56.69	− 9 3.7	2.268	3.073	12.7	21.8

352692 2008 SS_{85} 9 11.7 277°.56 1°.5/14.3 18

8 9	23 36.82	+ 3 51.5	4.307	5.126	7.3	20.8
8 19	23 32.65	+ 3 54.9	4.219	5.123	5.6	20.6
8 29	23 27.68	+ 3 51.7	4.156	5.120	3.8	20.5
9 8	23 22.22	+ 3 43.0	4.122	5.117	2.0	20.4
9 18	23 16.59	+ 3 30.0	4.118	5.114	1.7	20.3
9 28	23 11.18	+ 3 14.7	4.144	5.111	3.3	20.5
10 8	23 6.34	+ 2 59.2	4.199	5.108	5.1	20.6
10 18	23 2.37	+ 2 45.4	4.281	5.105	6.9	20.7

119041 2001 FP_{145} 9 11.7 146°.56 0°.8/10.7 18

8 9	23 40.61	− 4 54.5	2.438	3.304	10.7	20.0
8 19	23 35.91	− 5 29.9	2.369	3.307	7.8	19.8
8 29	23 29.81	− 6 12.5	2.324	3.310	4.5	19.6
9 8	23 22.82	− 6 58.3	2.308	3.313	1.3	19.4
9 18	23 15.59	− 7 43.0	2.319	3.316	2.7	19.5
9 28	23 8.83	− 8 22.0	2.360	3.318	6.0	19.7
10 8	23 3.17	− 8 51.9	2.428	3.321	9.0	19.9
10 18	22 59.09	− 9 10.5	2.519	3.323	11.7	20.1

23016 Michaelroche 9 11.7 184°.80 2°.6/ 9.2 18

8 9	23 43.01	− 8 37.9	1.838	2.721	12.8	19.0
8 19	23 38.10	− 9 30.8	1.773	2.721	9.3	18.7
8 29	23 31.29	−10 30.5	1.732	2.720	5.5	18.5
9 8	23 23.25	−11 30.7	1.718	2.720	2.6	18.3
9 18	23 14.87	−12 24.6	1.730	2.720	4.6	18.5
9 28	23 7.14	−13 6.3	1.770	2.720	8.4	18.7
10 8	23 0.92	−13 31.8	1.835	2.719	11.9	18.9
10 18	22 56.80	−13 39.7	1.921	2.718	15.0	19.1

102851 1999 VX_{212} 9 11.7 301°.11 2°.6/ 9.3 18

8 9	23 41.48	− 7 54.6	1.660	2.548	13.6	19.7
8 19	23 37.27	− 8 51.1	1.586	2.536	10.0	19.5
8 29	23 30.94	− 9 57.0	1.535	2.525	5.9	19.2
9 8	23 23.19	−11 5.3	1.510	2.513	2.7	19.0
9 18	23 14.94	−12 8.2	1.511	2.502	4.9	19.1
9 28	23 7.29	−12 58.3	1.538	2.490	9.1	19.3
10 8	23 1.22	−13 30.5	1.589	2.479	13.1	19.5
10 18	22 57.44	−13 42.6	1.660	2.469	16.5	19.7

246695 2009 AG_{25} 9 11.7 156°.60 1°.6/13.4 18

8 9	23 43.17	+ 2 39.1	2.065	2.909	13.2	21.6
8 19	23 38.04	+ 2 22.5	1.992	2.913	10.0	21.4
8 29	23 31.18	+ 1 52.0	1.942	2.917	6.4	21.2
9 8	23 23.22	+ 1 10.8	1.919	2.920	2.8	20.9
9 18	23 14.93	+ 0 23.0	1.923	2.923	2.5	20.9
9 28	23 7.21	− 0 25.9	1.956	2.925	6.1	21.2
10 8	23 0.82	− 1 10.4	2.015	2.928	9.6	21.4
10 18	22 56.33	− 1 46.3	2.098	2.930	12.7	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
488308 2016 UF_{71}			9 11.7 356°.10		0°.6/12.2 18	
	h m	° ′			°	m
8 9	23 41.80	− 0 50.3	1.512	2.388	15.5	20.9
8 19	23 37.57	− 1 8.4	1.445	2.385	11.6	20.7
8 29	23 31.13	− 1 41.3	1.399	2.384	7.1	20.4
9 8	23 23.24	− 2 24.6	1.377	2.382	2.2	20.1
9 18	23 14.90	− 3 12.1	1.381	2.382	3.0	20.2
9 28	23 7.28	− 3 56.9	1.411	2.382	7.8	20.5
10 8	23 1.40	− 4 32.4	1.465	2.382	12.2	20.7
10 18	22 57.92	− 4 54.4	1.540	2.383	15.9	21.0
393099 2013 AZ_{132}			9 11.7 252°.03		1°.9/15.7 18	
8 9	23 34.63	+ 7 36.1	4.549	5.350	7.2	20.8
8 19	23 31.05	+ 7 31.6	4.457	5.346	5.7	20.6
8 29	23 26.74	+ 7 19.2	4.390	5.341	4.0	20.5
9 8	23 21.96	+ 6 59.9	4.351	5.336	2.5	20.4
9 18	23 17.03	+ 6 35.2	4.341	5.332	2.0	20.4
9 28	23 12.30	+ 6 7.0	4.361	5.327	3.2	20.4
10 8	23 8.08	+ 5 37.6	4.410	5.322	4.8	20.6
10 18	23 4.66	+ 5 9.3	4.486	5.317	6.4	20.7
510544 2012 JM_{46}			9 11.7 46°.92		2°.8/ 9.6 17	
8 9	23 44.24	− 7 18.1	1.201	2.100	17.0	21.3
8 19	23 39.49	− 8 13.8	1.164	2.119	12.3	21.1
8 29	23 32.23	− 9 18.9	1.147	2.138	7.1	20.9
9 8	23 23.50	−10 24.4	1.154	2.158	2.9	20.7
9 18	23 14.60	−11 20.8	1.185	2.178	5.4	20.9
9 28	23 6.89	−12 0.5	1.240	2.199	10.1	21.2
10 8	23 1.40	−12 19.5	1.317	2.220	14.4	21.5
10 18	22 58.68	−12 17.3	1.414	2.241	18.0	21.8
284280 2006 JA_{44}			9 11.7 53°.00		0°.3/12.0 18	R
8 9	23 41.74	− 0 26.8	1.598	2.469	15.0	20.6
8 19	23 37.29	− 1 6.4	1.542	2.481	11.1	20.4
8 29	23 30.84	− 2 0.9	1.508	2.492	6.7	20.2
9 8	23 23.15	− 3 4.8	1.499	2.504	2.0	19.9
9 18	23 15.17	− 4 11.0	1.517	2.517	2.9	20.0
9 28	23 7.98	− 5 11.9	1.561	2.529	7.4	20.3
10 8	23 2.46	− 6 1.3	1.630	2.542	11.5	20.6
10 18	22 59.17	− 6 35.2	1.721	2.555	14.9	20.8
190628 2000 WW_{112}			9 11.7 334°.83		0°.9/11.1 18	
8 9	23 41.84	− 4 41.6	1.314	2.207	16.2	19.0
8 19	23 38.00	− 4 59.1	1.243	2.194	12.0	18.7
8 29	23 31.61	− 5 29.2	1.191	2.181	7.2	18.4
9 8	23 23.44	− 6 6.3	1.163	2.169	1.9	18.0
9 18	23 14.63	− 6 43.4	1.160	2.159	3.9	18.2
9 28	23 6.56	− 7 13.1	1.180	2.149	9.3	18.4
10 8	23 0.45	− 7 29.4	1.223	2.140	14.1	18.7
10 18	22 57.09	− 7 28.9	1.286	2.132	18.3	18.9
487918 2015 TG_{197}			9 11.7 353°.92		3°.4/ 8.9 18	
8 9	23 42.28	−11 34.0	1.606	2.500	13.7	20.4
8 19	23 37.82	−12 4.2	1.543	2.496	10.0	20.2
8 29	23 31.23	−12 38.1	1.503	2.492	6.1	19.9
9 8	23 23.28	−13 9.4	1.488	2.489	3.4	19.8
9 18	23 14.95	−13 31.8	1.498	2.487	5.4	19.9
9 28	23 7.36	−13 40.3	1.534	2.485	9.3	20.1
10 8	23 1.48	−13 32.3	1.594	2.485	13.1	20.4
10 18	22 57.92	−13 7.4	1.674	2.485	16.3	20.6
89115 2001 TQ_{220}			9 11.7 157°.70		2°.0/13.7 18	
8 9	23 44.55	+ 3 40.2	1.847	2.691	14.5	19.9
8 19	23 39.24	+ 3 22.1	1.776	2.696	11.1	19.7
8 29	23 31.99	+ 2 47.7	1.727	2.700	7.2	19.5
9 8	23 23.48	+ 2 0.1	1.704	2.704	3.3	19.2
9 18	23 14.61	+ 1 4.4	1.708	2.707	2.8	19.2
9 28	23 6.37	+ 0 6.9	1.740	2.710	6.6	19.5
10 8	22 59.66	− 0 45.9	1.798	2.713	10.4	19.7
10 18	22 55.08	− 1 29.0	1.880	2.715	13.8	19.9
315765 2008 FW_{68}			9 11.7 54°.16		1°.9/ 9.7 18	
8 9	23 41.35	− 7 43.9	2.009	2.889	12.0	20.5
8 19	23 36.69	− 8 26.7	1.950	2.896	8.7	20.4
8 29	23 30.36	− 9 15.8	1.915	2.903	5.1	20.2
9 8	23 23.01	−10 5.9	1.907	2.911	2.1	20.0
9 18	23 15.41	−10 51.2	1.926	2.919	3.8	20.1
9 28	23 8.44	−11 26.9	1.973	2.926	7.4	20.3
10 8	23 2.82	−11 49.3	2.045	2.934	10.7	20.6
10 18	22 59.08	−11 57.0	2.140	2.942	13.5	20.8
381116 2007 DQ_{29}			9 11.7 251°.94		0°.9/10.9 18	
8 9	23 45.19	− 4 23.5	1.736	2.608	14.0	22.3
8 19	23 39.98	− 4 55.1	1.655	2.596	10.3	22.0
8 29	23 32.58	− 5 37.7	1.597	2.583	6.1	21.8
9 8	23 23.68	− 6 26.4	1.564	2.570	1.7	21.4
9 18	23 14.23	− 7 15.0	1.559	2.556	3.5	21.5
9 28	23 5.35	− 7 56.8	1.580	2.542	8.0	21.8
10 8	22 58.06	− 8 26.6	1.627	2.528	12.2	22.0
10 18	22 53.08	− 8 41.2	1.696	2.514	15.8	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
219296 2000 DJ_{35}			9 11.7 139°.21		0°.7/11.0 17	
	h m	° ′			°	m
8 9	23 45.02	− 3 16.4	1.771	2.639	13.9	20.8
8 19	23 39.58	− 4 2.0	1.709	2.648	10.2	20.6
8 29	23 32.17	− 4 59.1	1.671	2.656	6.0	20.4
9 8	23 23.52	− 6 2.0	1.659	2.664	1.6	20.1
9 18	23 14.58	− 7 4.0	1.674	2.672	3.3	20.3
9 28	23 6.36	− 7 58.3	1.718	2.679	7.6	20.6
10 8	22 59.76	− 8 39.7	1.787	2.686	11.4	20.8
10 18	22 55.35	− 9 5.5	1.878	2.692	14.7	21.0
145102 2005 GW_{90}			9 11.7 87°.06		2°.8/14.3 17	
8 9	23 45.78	+ 5 49.0	1.484	2.332	17.2	20.3
8 19	23 40.32	+ 5 25.3	1.433	2.353	13.2	20.1
8 29	23 32.65	+ 4 40.2	1.403	2.374	8.7	19.9
9 8	23 23.65	+ 3 37.8	1.396	2.394	4.3	19.7
9 18	23 14.41	+ 2 25.0	1.416	2.414	3.4	19.7
9 28	23 6.14	+ 1 10.5	1.462	2.434	7.3	20.0
10 8	22 59.79	+ 0 2.7	1.533	2.454	11.5	20.3
10 18	22 55.93	− 0 52.4	1.627	2.473	15.1	20.6
12685 1985 VE			9 11.7 205°.92		0°.3/11.5 18	
8 9	23 43.87	− 1 18.3	1.686	2.554	14.5	17.6
8 19	23 38.96	− 2 8.9	1.613	2.551	10.8	17.3
8 29	23 31.93	− 3 14.7	1.562	2.547	6.4	17.1
9 8	23 23.49	− 4 30.0	1.537	2.543	1.7	16.8
9 18	23 14.59	− 5 47.4	1.540	2.539	3.2	16.9
9 28	23 6.33	− 6 58.6	1.569	2.534	7.8	17.2
10 8	22 59.68	− 7 56.9	1.624	2.528	12.0	17.4
10 18	22 55.33	− 8 38.1	1.701	2.523	15.6	17.6
506839 2007 TM_{315}			9 11.8 308°.24		0°.5/12.1 17	
8 9	23 42.42	− 0 31.1	1.221	2.107	17.7	22.0
8 19	23 38.68	− 0 56.3	1.145	2.091	13.4	21.7
8 29	23 32.16	− 1 41.2	1.089	2.076	8.2	21.3
9 8	23 23.65	− 2 41.0	1.056	2.061	2.5	21.0
9 18	23 14.32	− 3 47.6	1.046	2.047	3.6	21.0
9 28	23 5.71	− 4 50.7	1.060	2.033	9.4	21.3
10 8	22 59.19	− 5 41.3	1.097	2.019	14.8	21.6
10 18	22 55.65	− 6 13.1	1.152	2.007	19.4	21.8
399580 2003 SL_{315}			9 11.8 341°.00		8°.9/ 1.4 18	
8 9	23 38.97	−25 21.8	1.728	2.627	12.7	19.7
8 19	23 35.48	−27 4.4	1.676	2.615	10.4	19.6
8 29	23 29.89	−28 39.8	1.647	2.604	9.0	19.5
9 8	23 22.94	−29 58.1	1.643	2.593	9.3	19.5
9 18	23 15.58	−30 51.2	1.662	2.584	11.1	19.6
9 28	23 8.90	−31 14.2	1.704	2.575	13.6	19.7
10 8	23 3.86	−31 6.6	1.766	2.567	16.1	19.9
10 18	23 1.08	−30 31.0	1.844	2.560	18.4	20.0
480394 2015 KX_{51}			9 11.8 51°.13		8°.5/20.7 17	
8 9	23 42.06	+19 41.7	1.628	2.404	19.0	20.5
8 19	23 37.69	+20 7.5	1.567	2.419	16.2	20.4
8 29	23 31.18	+20 3.6	1.523	2.433	13.1	20.2
9 8	23 23.29	+19 29.0	1.500	2.448	10.2	20.1
9 18	23 15.04	+18 26.2	1.500	2.463	8.6	20.0
9 28	23 7.56	+17 1.9	1.526	2.479	9.1	20.1
10 8	23 1.81	+15 26.3	1.575	2.495	11.3	20.3
10 18	22 58.43	+13 49.5	1.648	2.511	14.1	20.5
88122 2000 WL_{140}			9 11.8 240°.61		2°.3/ 9.3 18	
8 9	23 41.76	− 9 15.1	2.206	3.084	11.2	19.8
8 19	23 36.96	− 9 57.5	2.135	3.080	8.1	19.6
8 29	23 30.55	−10 45.0	2.090	3.077	4.8	19.4
9 8	23 23.11	−11 32.5	2.071	3.073	2.3	19.2
9 18	23 15.36	−12 14.8	2.081	3.070	4.0	19.3
9 28	23 8.12	−12 47.3	2.118	3.066	7.3	19.5
10 8	23 2.12	−13 6.6	2.181	3.062	10.5	19.7
10 18	22 57.89	−13 11.4	2.267	3.059	13.2	19.9
228545 2001 WJ_{56}			9 11.8 18°.09		4°.9/15.8 18	
8 9	23 41.32	+ 8 49.2	1.337	2.186	18.6	19.9
8 19	23 37.48	+ 8 54.4	1.274	2.189	14.9	19.7
8 29	23 31.21	+ 8 33.8	1.230	2.193	10.6	19.4
9 8	23 23.34	+ 7 49.3	1.207	2.198	6.4	19.2
9 18	23 14.98	+ 6 45.8	1.209	2.203	5.0	19.1
9 28	23 7.45	+ 5 32.3	1.235	2.209	8.1	19.3
10 8	23 1.86	+ 4 18.9	1.284	2.216	12.3	19.6
10 18	22 58.90	+ 3 14.2	1.355	2.223	16.2	19.9
403724 2010 WR_{52}			9 11.8 278°.75		2°.6/ 8.9 18	
8 9	23 41.71	−10 34.2	2.224	3.103	11.0	21.3
8 19	23 36.97	−11 15.3	2.147	3.093	8.0	21.1
8 29	23 30.58	−12 0.6	2.095	3.082	4.9	20.9
9 8	23 23.13	−12 45.1	2.071	3.071	2.7	20.7
9 18	23 15.31	−13 23.7	2.074	3.060	4.3	20.8
9 28	23 7.97	−13 51.6	2.105	3.050	7.6	21.0
10 8	23 1.86	−14 5.8	2.162	3.039	10.7	21.2
10 18	22 57.51	−14 5.2	2.241	3.028	13.5	21.3

418954 2009 FN_{31} 9 11.8 107°.90 2°.4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.41	− 7 17.5	1.441	2.326	15.5	21.3
8 19	23 41.65	− 8 5.8	1.390	2.338	11.3	21.1
8 29	23 33.52	− 9 3.0	1.361	2.349	6.6	20.8
9 8	23 23.94	−10 1.5	1.356	2.360	2.6	20.6
9 18	23 14.07	−10 53.3	1.378	2.371	4.8	20.8
9 28	23 5.19	−11 31.3	1.426	2.382	9.3	21.1
10 8	22 58.34	−11 51.6	1.498	2.392	13.5	21.4
10 18	22 54.13	−11 52.9	1.589	2.402	17.0	21.6

477012 2008 YP_{150} 9 11.8 329°.43 1°.8/13.3 18

8 9	23 41.28	+ 2 14.1	1.550	2.415	15.7	21.2
8 19	23 37.26	+ 2 1.5	1.474	2.406	12.0	21.0
8 29	23 31.03	+ 1 31.3	1.419	2.398	7.7	20.7
9 8	23 23.30	+ 0 46.7	1.388	2.390	3.2	20.4
9 18	23 15.03	− 0 6.7	1.382	2.383	3.0	20.4
9 28	23 7.38	− 1 1.5	1.403	2.376	7.5	20.7
10 8	23 1.40	− 1 50.4	1.447	2.370	11.9	20.9
10 18	22 57.79	− 2 27.7	1.514	2.364	15.8	21.1

357167 2002 CC_{265} 9 11.8 159°.36 0°.9/12.7 18

8 9	23 42.02	+ 0 19.4	2.409	3.256	11.4	21.6
8 19	23 37.00	+ 0 1.6	2.334	3.259	8.6	21.4
8 29	23 30.51	− 0 26.7	2.284	3.262	5.3	21.2
9 8	23 23.09	− 1 2.4	2.261	3.265	1.9	21.0
9 18	23 15.41	− 1 41.8	2.267	3.267	2.1	21.0
9 28	23 8.19	− 2 20.5	2.303	3.270	5.5	21.2
10 8	23 2.11	− 2 54.4	2.365	3.272	8.6	21.4
10 18	22 57.64	− 3 20.3	2.452	3.274	11.4	21.6

85699 1998 RX_{69} 9 11.8 315°.85 1°.1/10.9 18

8 9	23 40.41	− 3 24.3	1.270	2.163	16.6	19.4
8 19	23 37.15	− 4 7.1	1.190	2.142	12.4	19.1
8 29	23 31.25	− 5 7.5	1.131	2.121	7.4	18.7
9 8	23 23.42	− 6 18.9	1.095	2.101	2.0	18.3
9 18	23 14.78	− 7 32.3	1.082	2.081	4.3	18.4
9 28	23 6.77	− 8 37.1	1.094	2.062	9.9	18.7
10 8	23 0.70	− 9 24.8	1.128	2.044	15.1	19.0
10 18	22 57.48	− 9 50.3	1.180	2.026	19.6	19.2

44598 1999 PL_{6} 9 11.8 224°.27 3°.4/14.6 18

8 9	23 45.44	+ 6 2.8	1.594	2.436	16.5	18.5
8 19	23 40.32	+ 5 59.9	1.516	2.431	12.9	18.3
8 29	23 32.87	+ 5 36.8	1.458	2.426	8.8	18.0
9 8	23 23.82	+ 4 55.3	1.424	2.420	4.7	17.8
9 18	23 14.20	+ 4 0.0	1.417	2.414	3.8	17.7
9 28	23 5.21	+ 2 58.1	1.436	2.408	7.5	17.9
10 8	22 57.96	+ 1 57.8	1.480	2.401	11.8	18.2
10 18	22 53.20	+ 1 6.1	1.546	2.394	15.6	18.4

521735 2015 RW_{270} 9 11.8 165°.30 2°.1/ 9.6 18

8 9	23 44.64	−10 11.5	2.421	3.292	10.6	21.8
8 19	23 38.89	−10 33.3	2.353	3.294	7.7	21.6
8 29	23 31.62	−10 57.9	2.310	3.296	4.6	21.4
9 8	23 23.41	−11 21.5	2.296	3.298	2.1	21.2
9 18	23 14.96	−11 40.2	2.310	3.299	3.6	21.4
9 28	23 7.04	−11 50.5	2.353	3.301	6.7	21.6
10 8	23 0.35	−11 50.4	2.423	3.302	9.6	21.7
10 18	22 55.35	−11 38.8	2.516	3.303	12.2	21.9

167082 2003 RX_{22} 9 11.8 312°.99 10°.9/ 1.7 18

8 9	23 46.47	−28 43.0	1.519	2.408	14.6	19.1
8 19	23 41.49	−30 7.4	1.455	2.384	12.4	18.9
8 29	23 33.75	−31 21.1	1.411	2.359	11.0	18.8
9 8	23 24.10	−32 12.4	1.391	2.335	11.2	18.8
9 18	23 13.78	−32 32.2	1.393	2.311	13.1	18.8
9 28	23 4.29	−32 15.7	1.417	2.288	15.8	18.9
10 8	22 56.94	−31 24.0	1.460	2.265	18.7	19.1
10 18	22 52.52	−30 1.9	1.519	2.243	21.4	19.2

184893 2005 UN_{253} 9 11.8 158°.06 0°.6/12.5 18

8 9	23 39.44	+ 1 4.5	2.210	3.063	12.1	20.4
8 19	23 35.26	+ 0 18.7	2.135	3.064	9.0	20.2
8 29	23 29.54	− 0 40.2	2.085	3.065	5.6	20.0
9 8	23 22.85	− 1 48.1	2.062	3.066	1.8	19.7
9 18	23 15.87	− 2 59.8	2.066	3.067	2.2	19.8
9 28	23 9.36	− 4 9.2	2.100	3.067	5.9	20.0
10 8	23 4.02	− 5 10.6	2.160	3.068	9.3	20.2
10 18	23 0.35	− 6 0.1	2.245	3.068	12.3	20.4

171111 2005 EN_{293} 9 11.8 347°.98 3°.4/ 9.1 18

8 9	23 44.39	−11 12.4	1.555	2.447	14.2	19.3
8 19	23 39.46	−11 43.8	1.491	2.443	10.4	19.1
8 29	23 32.28	−12 19.4	1.451	2.439	6.3	18.8
9 8	23 23.64	−12 52.6	1.435	2.436	3.4	18.6
9 18	23 14.59	−13 16.9	1.445	2.433	5.5	18.8
9 28	23 6.33	−13 27.0	1.480	2.431	9.5	19.0
10 8	22 59.88	−13 20.1	1.539	2.430	13.4	19.2
10 18	22 55.89	−12 55.9	1.618	2.429	16.8	19.5

48645 1995 UF_{8} 9 11.8 104°.18 8°.3/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 51.88	−23 30.0	1.519	2.405	14.8	17.7
8 19	23 44.92	−24 28.0	1.477	2.414	11.6	17.6
8 29	23 35.44	−25 16.8	1.457	2.422	9.0	17.4
9 8	23 24.47	−25 47.2	1.461	2.431	8.4	17.4
9 18	23 13.34	−25 52.6	1.491	2.439	10.0	17.6
9 28	23 3.40	−25 30.4	1.545	2.447	12.9	17.7
10 8	22 55.72	−24 42.7	1.620	2.455	15.8	18.0
10 18	22 50.89	−23 33.6	1.715	2.462	18.4	18.2

230397 2002 JB_{46} 9 11.8 70°.74 5°.2/18.6 18

8 9	23 40.51	+15 43.6	2.229	3.008	14.4	20.0
8 19	23 35.95	+15 30.1	2.169	3.032	11.8	19.9
8 29	23 29.89	+14 55.3	2.129	3.056	9.0	19.8
9 8	23 22.94	+14 0.7	2.114	3.080	6.5	19.7
9 18	23 15.81	+12 50.0	2.126	3.103	5.2	19.6
9 28	23 9.27	+11 28.9	2.165	3.127	6.2	19.7
10 8	23 3.99	+10 4.4	2.232	3.151	8.5	19.9
10 18	23 0.43	+ 8 43.2	2.324	3.174	11.0	20.1

375179 2008 DS_{36} 9 11.8 249°.15 0°.3/12.2 16

8 9	23 37.27	− 1 24.9	3.483	4.331	8.2	22.1
8 19	23 33.21	− 1 48.4	3.393	4.320	6.1	21.9
8 29	23 28.16	− 2 18.7	3.329	4.309	3.7	21.7
9 8	23 22.46	− 2 53.6	3.293	4.298	1.1	21.5
9 18	23 16.55	− 3 30.2	3.287	4.286	1.6	21.5
9 28	23 10.88	− 4 5.7	3.310	4.275	4.1	21.7
10 8	23 5.92	− 4 37.2	3.363	4.263	6.6	21.9
10 18	23 2.02	− 5 2.3	3.440	4.251	8.7	22.0

180441 2004 BA_{109} 9 11.8 74°.05 6°.1/ 6.9 17

8 9	23 46.67	−16 9.6	1.418	2.315	15.0	19.6
8 19	23 41.20	−17 19.3	1.373	2.324	11.1	19.4
8 29	23 33.29	−18 28.2	1.351	2.334	7.6	19.2
9 8	23 23.92	−19 26.7	1.353	2.343	6.1	19.2
9 18	23 14.28	−20 6.4	1.381	2.352	8.2	19.3
9 28	23 5.69	−20 22.1	1.433	2.362	11.7	19.6
10 8	22 59.20	−20 12.9	1.506	2.371	15.2	19.8
10 18	22 55.40	−19 40.7	1.599	2.380	18.2	20.0

438966 2010 ML_{12} 9 11.8 168°.85 5°.9/19.5 18

8 9	23 40.24	+18 3.4	2.347	3.107	14.3	20.9
8 19	23 35.87	+17 58.3	2.263	3.109	12.0	20.8
8 29	23 29.94	+17 31.2	2.199	3.110	9.5	20.6
9 8	23 22.99	+16 42.4	2.158	3.112	7.2	20.5
9 18	23 15.71	+15 34.3	2.144	3.113	5.9	20.4
9 28	23 8.88	+14 11.8	2.158	3.114	6.6	20.4
10 8	23 3.22	+12 42.0	2.199	3.114	8.8	20.6
10 18	22 59.25	+11 12.0	2.265	3.115	11.2	20.7

296654 2009 SW_{135} 9 11.8 256°.97 1°.5/14.9 15

8 9	23 33.62	+ 5 47.3	4.585	5.398	7.0	21.6
8 19	23 30.35	+ 5 30.3	4.495	5.394	5.4	21.5
8 29	23 26.38	+ 5 5.7	4.431	5.390	3.7	21.3
9 8	23 21.97	+ 4 35.0	4.394	5.387	2.0	21.2
9 18	23 17.42	+ 3 59.9	4.387	5.383	1.6	21.2
9 28	23 13.07	+ 3 22.4	4.411	5.379	3.0	21.3
10 8	23 9.21	+ 2 45.1	4.463	5.376	4.8	21.4
10 18	23 6.13	+ 2 10.1	4.542	5.372	6.4	21.5

51471 2001 FB_{53} 9 11.8 65°.73 2°.7/ 9.8 18

8 9	23 47.62	− 8 6.9	1.319	2.209	16.3	19.0
8 19	23 41.83	− 8 49.6	1.280	2.230	11.8	18.8
8 29	23 33.61	− 9 39.8	1.262	2.251	6.9	18.6
9 8	23 23.99	−10 29.6	1.268	2.272	2.8	18.4
9 18	23 14.24	−11 11.1	1.299	2.293	5.1	18.6
9 28	23 5.66	−11 38.0	1.357	2.314	9.6	18.9
10 8	22 59.27	−11 46.9	1.437	2.334	13.7	19.2
10 18	22 55.61	−11 37.7	1.537	2.355	17.2	19.5

349297 2007 TW_{447} 9 11.8 241°.23 4°.1/ 7.9 18

8 9	23 46.98	−15 15.8	2.092	2.971	11.6	21.2
8 19	23 40.96	−15 52.8	2.018	2.960	8.7	21.0
8 29	23 33.04	−16 30.1	1.968	2.949	5.7	20.8
9 8	23 23.87	−17 1.8	1.945	2.938	4.1	20.7
9 18	23 14.31	−17 22.7	1.951	2.926	5.8	20.7
9 28	23 5.34	−17 28.6	1.984	2.915	8.8	20.9
10 8	22 57.82	−17 17.9	2.042	2.902	12.0	21.1
10 18	22 52.35	−16 50.8	2.122	2.890	14.7	21.3

318907 2005 UC_{24} 9 11.8 211°.90 2°.6/14.9 18

8 9	23 40.39	+ 6 36.5	2.324	3.150	12.5	21.3
8 19	23 35.94	+ 6 19.0	2.242	3.148	9.7	21.1
8 29	23 29.97	+ 5 46.2	2.182	3.145	6.7	20.9
9 8	23 23.01	+ 5 0.2	2.149	3.143	3.7	20.7
9 18	23 15.72	+ 4 4.7	2.143	3.140	2.9	20.6
9 28	23 8.86	+ 3 4.8	2.167	3.137	5.5	20.8
10 8	23 3.12	+ 2 6.1	2.217	3.134	8.6	21.0
10 18	22 59.03	+ 1 13.4	2.292	3.131	11.5	21.2

354227 2002 JR_{119} 9 11.8 103°.76 3°.3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 40.65	−12 15.1	2.450	3.331	10.1	20.6
8 19	23 35.93	−13 29.0	2.402	3.348	7.3	20.5
8 29	23 29.84	−14 45.0	2.380	3.365	4.6	20.3
9 8	23 22.94	−15 57.3	2.387	3.381	3.3	20.3
9 18	23 15.88	−17 0.5	2.422	3.397	4.8	20.4
9 28	23 9.36	−17 50.1	2.485	3.413	7.4	20.6
10 8	23 3.97	−18 23.7	2.574	3.429	10.0	20.8
10 18	23 0.16	−18 40.5	2.686	3.444	12.2	21.0

428586 2008 ET_{20} 9 11.8 111°.12 1°.1/12.8 17

8 9	23 45.76	+ 1 28.6	1.687	2.542	15.1	22.1
8 19	23 40.17	+ 0 55.4	1.630	2.559	11.3	21.9
8 29	23 32.56	+ 0 6.5	1.596	2.575	7.0	21.7
9 8	23 23.72	− 0 53.4	1.587	2.590	2.5	21.4
9 18	23 14.62	− 1 57.7	1.605	2.605	2.7	21.5
9 28	23 6.34	− 2 59.4	1.651	2.620	7.0	21.8
10 8	22 59.77	− 3 51.9	1.723	2.634	11.0	22.1
10 18	22 55.47	− 4 31.1	1.817	2.647	14.4	22.3

234600 2001 YU_{139} 9 11.8 132°.66 5°.6/18.7 18

8 9	23 43.90	+16 41.6	2.266	3.031	14.6	20.3
8 19	23 38.50	+16 36.5	2.194	3.046	12.1	20.2
8 29	23 31.47	+16 9.8	2.142	3.061	9.4	20.0
9 8	23 23.42	+15 22.0	2.116	3.075	6.9	19.9
9 18	23 15.11	+14 16.2	2.116	3.089	5.6	19.8
9 28	23 7.37	+12 57.6	2.144	3.102	6.6	19.9
10 8	23 0.94	+11 33.5	2.200	3.114	8.9	20.1
10 18	22 56.32	+10 10.7	2.281	3.125	11.4	20.3

381045 2006 VJ_{148} 9 11.8 310°.43 6°.5/ 6.3 18

8 9	23 43.36	−15 46.2	1.362	2.266	15.0	20.7
8 19	23 39.14	−17 8.2	1.300	2.254	11.3	20.4
8 29	23 32.32	−18 33.0	1.259	2.243	7.8	20.2
9 8	23 23.73	−19 49.5	1.243	2.232	6.6	20.1
9 18	23 14.57	−20 47.4	1.251	2.222	8.9	20.2
9 28	23 6.23	−21 18.9	1.282	2.211	12.8	20.4
10 8	22 59.92	−21 21.3	1.334	2.201	16.7	20.6
10 18	22 56.39	−20 56.0	1.404	2.192	20.0	20.8

37649 1994 FC 9 11.8 303°.92 7°.8/ 6.1 18

8 9	23 49.48	−21 18.4	1.494	2.386	14.7	18.3
8 19	23 43.77	−22 8.3	1.414	2.357	11.6	18.0
8 29	23 35.20	−22 53.9	1.355	2.328	8.8	17.8
9 8	23 24.58	−23 25.2	1.320	2.299	7.9	17.7
9 18	23 13.13	−23 33.7	1.310	2.270	9.9	17.7
9 28	23 2.38	−23 13.6	1.324	2.242	13.4	17.8
10 8	22 53.70	−22 24.8	1.360	2.213	17.2	18.0
10 18	22 48.02	−21 10.3	1.413	2.186	20.6	18.2

142574 2002 TS_{82} 9 11.8 165°.19 3°.4/ 9.0 17

8 9	23 48.10	−11 11.1	1.698	2.580	13.7	20.0
8 19	23 42.00	−11 53.0	1.637	2.583	10.0	19.8
8 29	23 33.73	−12 39.1	1.600	2.586	6.1	19.6
9 8	23 24.08	−13 22.5	1.588	2.588	3.4	19.4
9 18	23 14.08	−13 56.6	1.604	2.590	5.4	19.5
9 28	23 4.90	−14 16.2	1.647	2.592	9.2	19.8
10 8	22 57.50	−14 18.6	1.714	2.593	12.9	20.0
10 18	22 52.52	−14 3.6	1.802	2.594	16.1	20.2

63398 2001 KZ_9 9 11.8 132°.06 2°.1/14.0 18

8 9	23 41.87	+ 4 47.0	2.015	2.855	13.6	19.9
8 19	23 37.17	+ 4 19.9	1.944	2.861	10.5	19.7
8 29	23 30.75	+ 3 36.6	1.896	2.866	6.9	19.5
9 8	23 23.24	+ 2 40.1	1.873	2.872	3.3	19.3
9 18	23 15.42	+ 1 35.6	1.878	2.877	2.7	19.2
9 28	23 8.17	+ 0 29.1	1.911	2.882	6.1	19.5
10 8	23 2.25	− 0 32.8	1.971	2.887	9.6	19.7
10 18	22 58.22	− 1 25.2	2.055	2.892	12.7	19.9

43420 2000 XR_{22} 9 11.8 189°.93 1°.6/10.3 18

8 9	23 45.85	− 7 12.0	1.943	2.815	12.7	19.6
8 19	23 40.16	− 7 40.8	1.873	2.814	9.3	19.4
8 29	23 32.57	− 8 16.4	1.827	2.813	5.5	19.2
9 8	23 23.76	− 8 53.9	1.807	2.812	1.9	19.0
9 18	23 14.59	− 9 27.9	1.816	2.811	3.7	19.1
9 28	23 6.05	− 9 53.4	1.853	2.809	7.5	19.3
10 8	22 59.00	−10 7.0	1.915	2.807	11.2	19.5
10 18	22 54.04	−10 7.0	2.000	2.804	14.3	19.8

272256 2005 QR_{150} 9 11.8 341°.10 0°.4/12.1 18

8 9	23 38.39	+ 0 34.1	1.231	2.119	17.4	20.1
8 19	23 35.57	− 0 12.4	1.163	2.109	13.1	19.8
8 29	23 30.24	− 1 21.2	1.114	2.101	8.0	19.5
9 8	23 23.17	− 2 45.8	1.088	2.094	2.4	19.2
9 18	23 15.50	− 4 16.7	1.086	2.087	3.4	19.2
9 28	23 8.58	− 5 42.4	1.109	2.082	9.1	19.5
10 8	23 3.62	− 6 52.7	1.153	2.077	14.1	19.8
10 18	23 1.38	− 7 41.3	1.217	2.073	18.5	20.1

5761 Andreivanov 9 11.8 305°.82 0°.5/12.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.21	− 2 26.0	1.716	2.582	14.4	17.9
8 19	23 41.13	− 2 23.4	1.607	2.543	11.0	17.6
8 29	23 33.59	− 2 31.6	1.521	2.504	6.8	17.3
9 8	23 24.16	− 2 48.0	1.460	2.465	2.1	16.9
9 18	23 13.75	− 3 8.6	1.425	2.425	3.0	16.9
9 28	23 3.58	− 3 28.0	1.417	2.385	8.1	17.1
10 8	22 54.88	− 3 40.8	1.435	2.346	12.8	17.3
10 18	22 48.61	− 3 43.0	1.474	2.307	17.1	17.5

147209 2002 WN_5 9 11.8 287°.50 1°.3/10.7 18

8 9	23 42.81	− 4 6.1	1.499	2.382	15.2	20.1
8 19	23 38.57	− 4 53.4	1.419	2.366	11.2	19.8
8 29	23 31.95	− 5 55.2	1.362	2.350	6.6	19.5
9 8	23 23.66	− 7 5.1	1.329	2.334	1.9	19.2
9 18	23 14.71	− 8 15.0	1.321	2.318	4.1	19.3
9 28	23 6.35	− 9 16.0	1.340	2.303	9.1	19.6
10 8	22 59.74	−10 1.1	1.382	2.287	13.7	19.8
10 18	22 55.66	−10 26.4	1.444	2.271	17.6	20.0

293840 2007 RO_{213} 9 11.8 63°.06 0°.5/12.3 16

8 9	23 40.05	+ 2 18.1	1.634	2.498	15.1	20.7
8 19	23 36.07	+ 1 5.3	1.577	2.511	11.2	20.5
8 29	23 30.17	− 0 26.2	1.543	2.525	6.8	20.3
9 8	23 23.09	− 2 9.6	1.534	2.539	2.1	20.0
9 18	23 15.74	− 3 56.0	1.553	2.553	2.8	20.1
9 28	23 9.12	− 5 35.8	1.599	2.567	7.3	20.4
10 8	23 4.08	− 7 1.0	1.670	2.582	11.3	20.7
10 18	23 1.17	− 8 6.9	1.764	2.596	14.7	20.9

273511 2007 BG_3 9 11.8 259°.35 1°.5/10.4 18

8 9	23 43.26	− 4 32.9	1.620	2.500	14.4	21.0
8 19	23 38.70	− 5 27.3	1.544	2.489	10.6	20.7
8 29	23 31.92	− 6 34.7	1.490	2.478	6.2	20.4
9 8	23 23.63	− 7 48.7	1.462	2.467	1.9	20.1
9 18	23 14.79	− 9 1.3	1.460	2.456	4.0	20.2
9 28	23 6.55	−10 4.3	1.485	2.445	8.7	20.5
10 8	22 59.96	−10 51.3	1.534	2.433	13.0	20.7
10 18	22 55.74	−11 18.9	1.604	2.421	16.6	20.9

255086 2005 UL_{40} 9 11.8 324°.11 0°.5/11.3 18

8 9	23 40.11	− 3 22.9	1.805	2.681	13.3	20.8
8 19	23 36.17	− 3 54.5	1.725	2.668	9.9	20.6
8 29	23 30.31	− 4 37.7	1.669	2.655	5.9	20.3
9 8	23 23.17	− 5 27.8	1.637	2.643	1.6	20.0
9 18	23 15.55	− 6 19.0	1.633	2.631	3.1	20.1
9 28	23 8.45	− 7 4.8	1.655	2.620	7.4	20.3
10 8	23 2.76	− 7 39.8	1.702	2.609	11.4	20.5
10 18	22 59.12	− 8 0.7	1.771	2.599	14.8	20.7

358857 2008 FT_{87} 9 11.8 50°.43 2°.6/ 9.4 18

8 9	23 44.64	−10 38.8	1.906	2.787	12.5	20.4
8 19	23 39.17	−11 4.4	1.853	2.799	9.1	20.2
8 29	23 31.90	−11 33.1	1.823	2.810	5.4	20.0
9 8	23 23.55	−12 0.0	1.820	2.822	2.7	19.8
9 18	23 15.01	−12 20.0	1.844	2.834	4.4	20.0
9 28	23 7.22	−12 29.1	1.896	2.846	7.9	20.2
10 8	23 0.96	−12 25.3	1.972	2.858	11.2	20.4
10 18	22 56.74	−12 7.9	2.071	2.870	14.0	20.7

70986 1999 XR_{28} 9 11.8 231°.81 2°.3/ 9.5 18

8 9	23 42.77	− 7 56.1	1.886	2.766	12.6	19.4
8 19	23 37.99	− 8 49.0	1.816	2.762	9.2	19.2
8 29	23 31.33	− 9 49.5	1.770	2.758	5.4	19.0
9 8	23 23.43	−10 51.4	1.751	2.754	2.4	18.8
9 18	23 15.15	−11 48.2	1.759	2.750	4.4	18.9
9 28	23 7.46	−12 33.7	1.794	2.745	8.2	19.1
10 8	23 1.23	−13 3.6	1.855	2.741	11.8	19.3
10 18	22 57.04	−13 16.2	1.937	2.736	14.8	19.5

403149 2008 FZ_{27} 9 11.8 102°.62 0°.1/11.7 18

8 9	23 40.78	− 1 11.8	2.493	3.346	10.9	21.8
8 19	23 35.98	− 2 1.9	2.436	3.367	8.0	21.6
8 29	23 29.86	− 3 1.4	2.405	3.387	4.7	21.5
9 8	23 22.98	− 4 6.1	2.401	3.407	1.3	21.2
9 18	23 15.94	− 5 11.2	2.428	3.426	2.2	21.4
9 28	23 9.42	− 6 11.6	2.483	3.446	5.5	21.6
10 8	23 4.01	− 7 3.1	2.566	3.464	8.4	21.8
10 18	23 0.11	− 7 43.1	2.674	3.483	10.9	22.0

445340 2010 LT_{48} 9 11.8 5°.43 5°.8/16.9 18

8 9	23 42.43	+11 20.9	1.751	2.567	16.3	20.3
8 19	23 37.93	+11 53.3	1.677	2.568	13.3	20.1
8 29	23 31.38	+12 4.9	1.623	2.568	10.0	19.9
9 8	23 23.47	+11 55.6	1.593	2.569	7.0	19.8
9 18	23 15.09	+11 27.2	1.587	2.571	5.8	19.7
9 28	23 7.30	+10 44.7	1.608	2.573	7.5	19.8
10 8	23 1.07	+ 9 55.3	1.653	2.576	10.6	20.0
10 18	22 57.04	+ 9 5.9	1.722	2.579	13.8	20.2

404095 2012 FP_{32} 9 11.8 256.°43 1.°2/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 40.19	− 5 21.0	2.287	3.157	11.1	21.1
8 19	23 35.81	− 6 5.7	2.211	3.152	8.1	20.9
8 29	23 29.91	− 6 58.6	2.160	3.147	4.7	20.7
9 8	23 23.03	− 7 54.9	2.136	3.141	1.5	20.4
9 18	23 15.82	− 8 49.7	2.141	3.136	3.1	20.5
9 28	23 9.06	− 9 37.6	2.174	3.130	6.5	20.8
10 8	23 3.45	−10 14.6	2.233	3.125	9.8	21.0
10 18	22 59.49	−10 38.3	2.315	3.119	12.6	21.1

442485 2011 UW_{369} 9 11.8 342.°24 3.°6/ 8.6 15

8 9	23 41.89	−11 8.7	1.613	2.507	13.6	21.2
8 19	23 37.61	−11 58.1	1.549	2.501	10.0	21.0
8 29	23 31.21	−12 52.7	1.508	2.496	6.1	20.8
9 8	23 23.42	−13 45.3	1.491	2.491	3.6	20.6
9 18	23 15.22	−14 28.6	1.500	2.486	5.7	20.7
9 28	23 7.71	−14 56.4	1.535	2.483	9.6	20.9
10 8	23 1.88	−15 5.3	1.593	2.479	13.4	21.2
10 18	22 58.36	−14 54.6	1.672	2.476	16.6	21.4

251728 1998 FA_{47} 9 11.8 129.°66 0.°3/12.1 17

8 9	23 46.12	− 0 15.0	1.674	2.535	14.9	20.7
8 19	23 40.51	− 0 56.1	1.614	2.547	11.1	20.5
8 29	23 32.83	− 1 52.0	1.577	2.559	6.7	20.2
9 8	23 23.86	− 2 57.2	1.566	2.571	2.0	20.0
9 18	23 14.60	− 4 4.9	1.582	2.582	2.8	20.1
9 28	23 6.13	− 5 7.5	1.626	2.592	7.4	20.4
10 8	22 59.37	− 5 58.8	1.695	2.602	11.5	20.6
10 18	22 54.93	− 6 35.0	1.787	2.611	14.9	20.9

234013 1997 LR_{16} 9 11.8 100.°44 7.°4/ 4.3 18

8 9	23 45.29	−22 49.5	1.840	2.727	12.5	19.7
8 19	23 39.83	−24 10.6	1.798	2.736	9.8	19.6
8 29	23 32.38	−25 25.2	1.780	2.744	7.8	19.5
9 8	23 23.72	−26 24.6	1.788	2.752	7.6	19.5
9 18	23 14.84	−27 2.4	1.822	2.760	9.2	19.6
9 28	23 6.80	−27 14.9	1.880	2.768	11.7	19.8
10 8	23 0.46	−27 2.3	1.960	2.776	14.2	20.0
10 18	22 56.38	−26 27.2	2.059	2.784	16.4	20.2

515991 2015 RC_{209} 9 11.8 211.°87 3.°5/ 8.0 18

8 9	23 43.46	−14 14.5	2.353	3.233	10.5	21.2
8 19	23 38.15	−14 52.4	2.287	3.231	7.7	21.0
8 29	23 31.27	−15 30.9	2.246	3.229	5.0	20.8
9 8	23 23.42	−16 5.2	2.232	3.227	3.5	20.7
9 18	23 15.30	−16 30.7	2.247	3.224	5.0	20.8
9 28	23 7.72	−16 43.8	2.289	3.222	7.7	21.0
10 8	23 1.37	−16 42.6	2.357	3.220	10.5	21.2
10 18	22 56.75	−16 26.9	2.448	3.217	13.0	21.3

392742 2012 SS_{31} 9 11.8 274.°57 1.°6/10.2 18

8 9	23 41.96	− 5 15.5	1.738	2.618	13.6	21.5
8 19	23 37.59	− 6 10.2	1.663	2.609	9.9	21.2
8 29	23 31.20	− 7 16.3	1.612	2.600	5.8	21.0
9 8	23 23.45	− 8 27.6	1.586	2.591	1.9	20.7
9 18	23 15.22	− 9 36.5	1.587	2.582	4.0	20.8
9 28	23 7.56	−10 35.8	1.615	2.573	8.3	21.1
10 8	23 1.43	−11 19.6	1.667	2.563	12.3	21.3
10 18	22 57.47	−11 45.1	1.741	2.554	15.7	21.5

440680 2005 YW_{36} 9 11.8 346.°34 9.°0/24.9 15

8 9	23 8.61	+24 20.2	0.855	1.704	26.5	19.9
8 19	23 13.44	+23 51.6	0.748	1.648	24.0	19.5
8 29	23 16.87	+22 6.4	0.653	1.595	20.4	19.0
9 8	23 19.41	+18 42.2	0.572	1.546	15.7	18.5
9 18	23 21.92	+13 21.6	0.510	1.501	10.7	18.0
9 28	23 25.76	+ 6 10.1	0.469	1.461	9.4	17.7
10 8	23 32.30	− 2 7.7	0.452	1.428	15.3	17.8
10 18	23 42.47	−10 17.1	0.458	1.401	23.2	18.0

444360 2005 XM_{27} 9 11.8 329.°02 0.°8/11.1 17

8 9	23 39.36	− 4 2.9	1.590	2.475	14.3	20.9
8 19	23 35.96	− 4 29.4	1.504	2.451	10.6	20.6
8 29	23 30.38	− 5 8.2	1.439	2.428	6.4	20.3
9 8	23 23.25	− 5 54.7	1.399	2.405	1.7	20.0
9 18	23 15.49	− 6 42.5	1.384	2.383	3.5	20.0
9 28	23 8.21	− 7 24.4	1.395	2.362	8.3	20.3
10 8	23 2.49	− 7 54.3	1.430	2.342	12.8	20.5
10 18	22 59.07	− 8 8.3	1.485	2.323	16.7	20.7

99152 2001 FV_{128} 9 11.8 273.°73 5.°1/ 8.4 18

8 9	23 53.74	−18 10.1	1.789	2.664	13.4	19.5
8 19	23 46.16	−18 20.4	1.720	2.659	10.2	19.3
8 29	23 36.24	−18 26.4	1.675	2.653	6.9	19.1
9 8	23 24.84	−18 22.0	1.657	2.647	5.1	18.9
9 18	23 13.08	−18 2.8	1.667	2.642	6.6	19.0
9 28	23 2.21	−17 26.2	1.704	2.636	10.0	19.2
10 8	22 53.28	−16 32.7	1.766	2.630	13.4	19.4
10 18	22 46.94	−15 24.8	1.851	2.625	16.4	19.6

286970 2002 QN_{11} 9 11.8 14.°39 4.°4/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.11	+ 6 16.4	1.541	2.384	16.9	20.4
8 19	23 40.08	+ 6 51.8	1.473	2.387	13.3	20.2
8 29	23 32.75	+ 7 8.9	1.426	2.390	9.4	20.0
9 8	23 23.90	+ 7 8.0	1.403	2.394	5.7	19.8
9 18	23 14.56	+ 6 51.8	1.404	2.398	4.7	19.7
9 28	23 5.98	+ 6 25.4	1.432	2.403	7.6	19.9
10 8	22 59.19	+ 5 55.6	1.484	2.408	11.5	20.2
10 18	22 54.90	+ 5 28.6	1.558	2.414	15.1	20.4

77056 2001 DD_{12} 9 11.8 50.°86 3.°4/ 8.1 18

8 9	23 39.85	− 7 52.0	1.599	2.491	13.8	18.8
8 19	23 36.03	− 9 35.3	1.548	2.500	10.0	18.6
8 29	23 30.22	−11 28.2	1.520	2.510	5.9	18.4
9 8	23 23.16	−13 20.8	1.518	2.519	3.4	18.2
9 18	23 15.80	−15 2.9	1.544	2.529	5.8	18.4
9 28	23 9.18	−16 25.9	1.596	2.539	9.7	18.7
10 8	23 4.18	−17 24.7	1.671	2.549	13.3	18.9
10 18	23 1.36	−17 58.1	1.767	2.559	16.3	19.2

171229 2005 JZ_{154} 9 11.8 233.°08 2.°3/14.2 18

8 9	23 41.73	+ 4 57.7	2.056	2.894	13.4	21.4
8 19	23 37.16	+ 4 36.8	1.974	2.888	10.4	21.1
8 29	23 30.84	+ 3 59.6	1.913	2.883	6.9	20.9
9 8	23 23.35	+ 3 8.8	1.879	2.877	3.4	20.7
9 18	23 15.45	+ 2 8.8	1.872	2.870	2.8	20.6
9 28	23 8.03	+ 1 5.5	1.893	2.864	6.1	20.8
10 8	23 1.88	+ 0 5.3	1.941	2.857	9.7	21.1
10 18	22 57.61	− 0 46.5	2.013	2.851	12.9	21.3

471285 2011 GW_{4} 9 11.8 41.°36 1.°1/10.5 16

8 9	23 39.12	+ 5 36.3	1.175	2.049	19.1	19.9
8 19	23 35.76	+ 2 13.4	1.139	2.081	13.8	19.7
8 29	23 30.09	− 1 38.3	1.127	2.114	7.9	19.4
9 8	23 23.11	− 5 39.7	1.142	2.148	1.9	19.2
9 18	23 16.00	− 9 28.9	1.186	2.182	4.6	19.5
9 28	23 10.00	−12 47.0	1.258	2.217	10.0	19.9
10 8	23 6.01	−15 23.2	1.356	2.253	14.5	20.2
10 18	23 4.52	−17 15.5	1.474	2.288	18.0	20.6

262983 2007 EK_{43} 9 11.8 239.°24 0.°6/11.1 18

8 9	23 42.94	− 4 58.6	2.486	3.347	10.7	21.1
8 19	23 37.76	− 5 19.3	2.402	3.337	7.8	20.9
8 29	23 31.08	− 5 46.7	2.343	3.327	4.6	20.7
9 8	23 23.40	− 6 17.7	2.311	3.317	1.3	20.4
9 18	23 15.39	− 6 48.2	2.308	3.306	2.5	20.5
9 28	23 7.77	− 7 14.4	2.335	3.295	5.9	20.7
10 8	23 1.25	− 7 32.9	2.389	3.283	9.1	20.9
10 18	22 56.33	− 7 41.6	2.467	3.272	11.9	21.1

445243 2009 OZ_{13} 9 11.8 22.°97 1.°0/10.8 18

8 9	23 40.15	− 4 27.8	1.729	2.610	13.6	20.6
8 19	23 36.11	− 5 6.8	1.672	2.617	9.9	20.3
8 29	23 30.21	− 5 56.0	1.637	2.625	5.8	20.1
9 8	23 23.16	− 6 49.8	1.627	2.633	1.6	19.9
9 18	23 15.83	− 7 41.9	1.645	2.642	3.4	20.0
9 28	23 9.19	− 8 26.0	1.688	2.652	7.5	20.3
10 8	23 4.05	− 8 57.4	1.757	2.662	11.3	20.5
10 18	23 0.96	− 9 13.6	1.847	2.672	14.4	20.8

182372 2001 QJ_{180} 9 11.8 14.°38 2.°1/10.2 18

8 9	23 39.10	− 5 9.4	1.064	1.973	17.9	19.3
8 19	23 36.21	− 6 4.0	1.017	1.977	13.0	19.1
8 29	23 30.62	− 7 13.7	0.990	1.983	7.6	18.8
9 8	23 23.33	− 8 28.9	0.984	1.990	2.5	18.5
9 18	23 15.63	− 9 38.6	1.002	1.999	5.1	18.7
9 28	23 8.99	−10 32.6	1.042	2.009	10.5	19.1
10 8	23 4.58	−11 4.5	1.103	2.020	15.3	19.4
10 18	23 3.02	−11 12.2	1.182	2.032	19.3	19.7

242451 2004 QS_{14} 9 11.8 51.°50 3.°6/16.6 18

8 9	23 40.20	+10 9.7	2.651	3.452	11.8	20.0
8 19	23 35.55	+10 16.0	2.591	3.475	9.4	19.9
8 29	23 29.64	+10 8.0	2.554	3.498	6.9	19.8
9 8	23 22.98	+ 9 47.0	2.542	3.522	4.5	19.7
9 18	23 16.17	+ 9 15.3	2.559	3.545	3.6	19.6
9 28	23 9.83	+ 8 36.6	2.604	3.569	5.1	19.8
10 8	23 4.53	+ 7 55.3	2.676	3.593	7.4	19.9
10 18	23 0.68	+ 7 15.7	2.774	3.616	9.6	20.1

128708 2004 RT_{104} 9 11.8 340.°16 1.°9/13.5 18

8 9	23 43.14	+ 1 43.0	1.975	2.825	13.4	19.2
8 19	23 38.23	+ 1 51.0	1.897	2.821	10.3	19.0
8 29	23 31.50	+ 1 46.7	1.842	2.817	6.6	18.8
9 8	23 23.56	+ 1 32.0	1.813	2.813	3.0	18.5
9 18	23 15.21	+ 1 10.3	1.811	2.810	2.7	18.5
9 28	23 7.39	+ 0 46.0	1.836	2.807	6.3	18.7
10 8	23 0.94	+ 0 23.8	1.888	2.804	9.9	19.0
10 18	22 56.46	+ 0 7.8	1.963	2.802	13.2	19.2

467215 2016 EO_{154} 9 11.8 55°.12 1°.5/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.29	+ 4 27.7	1.090	1.968	19.9	21.1
8 19	23 38.36	+ 3 20.4	1.049	1.988	15.0	20.8
8 29	23 31.79	+ 1 46.0	1.027	2.009	9.4	20.6
9 8	23 23.63	− 0 6.7	1.026	2.030	3.5	20.3
9 18	23 15.23	− 2 5.1	1.051	2.052	3.3	20.4
9 28	23 8.02	− 3 55.2	1.099	2.074	8.9	20.8
10 8	23 3.08	− 5 26.2	1.170	2.096	13.8	21.1
10 18	23 1.00	− 6 32.1	1.262	2.118	17.9	21.5

403499 2009 UK_{147} 9 11.8 3°.66 0°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.33	− 3 51.2	2.096	2.966	12.0	21.3
8 19	23 36.03	− 4 20.0	2.026	2.966	8.8	21.1
8 29	23 30.11	− 4 57.8	1.980	2.966	5.2	20.9
9 8	23 23.16	− 5 40.5	1.960	2.966	1.4	20.6
9 18	23 15.91	− 6 23.2	1.969	2.967	2.7	20.7
9 28	23 9.18	− 7 0.8	2.005	2.968	6.5	21.0
10 8	23 3.70	− 7 29.2	2.067	2.970	9.9	21.2
10 18	23 0.00	− 7 45.8	2.152	2.971	12.9	21.4

313210 2001 SW_1 9 11.8 339°.78 0°.9/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.76	− 6 6.8	0.914	1.826	19.7	19.6
8 19	23 40.39	− 5 52.8	0.851	1.811	14.8	19.3
8 29	23 33.58	− 5 49.9	0.805	1.798	8.9	18.9
9 8	23 24.28	− 5 53.1	0.779	1.786	2.5	18.5
9 18	23 14.04	− 5 55.6	0.775	1.775	4.6	18.6
9 28	23 4.82	− 5 50.1	0.791	1.766	11.2	18.9
10 8	22 58.32	− 5 31.4	0.826	1.759	17.1	19.2
10 18	22 55.51	− 4 57.0	0.878	1.753	22.2	19.5

118421 1999 TM_{65} 9 11.8 133°.98 0°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.88	− 1 13.8	2.246	3.104	11.7	20.6
8 19	23 36.33	− 1 47.6	2.175	3.107	8.7	20.4
8 29	23 30.25	− 2 31.9	2.128	3.110	5.2	20.2
9 8	23 23.20	− 3 22.9	2.108	3.113	1.5	20.0
9 18	23 15.87	− 4 15.9	2.116	3.116	2.3	20.1
9 28	23 9.03	− 5 5.7	2.153	3.118	5.9	20.3
10 8	23 3.38	− 5 47.7	2.216	3.121	9.3	20.5
10 18	22 59.41	− 6 18.7	2.303	3.123	12.1	20.7

91954 1999 VV_{76} 9 11.8 249°.22 3°.8/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.64	+11 15.4	2.499	3.298	12.5	20.2
8 19	23 35.42	+11 2.0	2.405	3.288	10.1	20.0
8 29	23 29.73	+10 31.3	2.333	3.278	7.4	19.9
9 8	23 23.07	+ 9 44.5	2.287	3.268	4.9	19.7
9 18	23 16.04	+ 8 44.5	2.269	3.257	3.8	19.6
9 28	23 9.36	+ 7 36.0	2.279	3.246	5.5	19.7
10 8	23 3.71	+ 6 24.7	2.317	3.235	8.2	19.8
10 18	22 59.59	+ 5 16.3	2.380	3.224	11.0	20.0

479614 2014 DD_{26} 9 11.8 183°.53 1°.9/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.80	− 7 38.8	1.965	2.839	12.5	21.9
8 19	23 39.41	− 8 14.8	1.896	2.839	9.1	21.7
8 29	23 32.17	− 8 57.4	1.852	2.839	5.4	21.4
9 8	23 23.76	− 9 41.4	1.835	2.839	2.1	21.2
9 18	23 15.01	−10 21.2	1.845	2.838	3.8	21.4
9 28	23 6.87	−10 51.8	1.884	2.838	7.6	21.6
10 8	23 0.18	−11 9.4	1.947	2.837	11.1	21.8
10 18	22 55.52	−11 12.6	2.034	2.835	14.2	22.0

65880 1997 YD_5 9 11.8 261°.02 3°.0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.65	+ 5 7.5	1.502	2.353	16.9	19.5
8 19	23 40.00	+ 4 57.1	1.419	2.341	13.2	19.3
8 29	23 32.89	+ 4 25.5	1.357	2.329	8.9	19.0
9 8	23 24.04	+ 3 34.8	1.318	2.316	4.4	18.7
9 18	23 14.49	+ 2 30.4	1.304	2.303	3.6	18.6
9 28	23 5.52	+ 1 20.4	1.317	2.290	7.9	18.9
10 8	22 58.33	+ 0 13.8	1.354	2.277	12.5	19.1
10 18	22 53.74	− 0 41.9	1.413	2.264	16.7	19.3

176125 2001 DN_{99} 9 11.8 148°.18 2°.8/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.69	+ 6 5.8	1.802	2.636	15.2	20.5
8 19	23 40.19	+ 5 45.3	1.733	2.644	11.8	20.3
8 29	23 32.69	+ 5 6.0	1.686	2.653	7.9	20.1
9 8	23 23.92	+ 4 10.8	1.664	2.660	4.1	19.9
9 18	23 14.78	+ 3 4.9	1.669	2.667	3.2	19.9
9 28	23 6.32	+ 1 55.4	1.703	2.673	6.7	20.1
10 8	22 59.46	+ 0 49.7	1.762	2.679	10.5	20.3
10 18	22 54.78	− 0 6.3	1.846	2.684	13.9	20.6

95551 2002 EB_{93} 9 11.8 35°.42 1°.0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.66	− 5 7.8	1.885	2.761	12.8	19.4
8 19	23 37.11	− 5 40.4	1.824	2.767	9.4	19.2
8 29	23 30.78	− 6 21.7	1.787	2.774	5.5	19.0
9 8	23 23.37	− 7 6.7	1.776	2.782	1.6	18.8
9 18	23 15.68	− 7 49.8	1.792	2.789	3.2	18.9
9 28	23 8.63	− 8 25.7	1.836	2.797	7.1	19.2
10 8	23 3.01	− 8 50.3	1.905	2.805	10.7	19.4
10 18	22 59.36	− 9 1.2	1.996	2.814	13.8	19.6

239278 2007 OP 9 11.8 252°.48 5°.7/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.23	−15 52.6	1.838	2.731	12.3	20.6
8 19	23 37.80	−17 33.9	1.772	2.721	9.2	20.4
8 29	23 31.36	−19 18.1	1.731	2.710	6.5	20.3
9 8	23 23.57	−20 55.7	1.716	2.699	5.8	20.2
9 18	23 15.30	−22 17.8	1.728	2.688	7.9	20.3
9 28	23 7.60	−23 17.4	1.766	2.677	11.0	20.5
10 8	23 1.40	−23 51.2	1.826	2.666	14.1	20.6
10 18	22 57.36	−23 59.3	1.906	2.654	16.8	20.8

115529 2003 UG_{49} 9 11.8 323°.29 1°.1/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.70	+ 1 0.5	1.563	2.433	15.4	19.3
8 19	23 36.91	+ 0 35.4	1.486	2.422	11.6	19.1
8 29	23 30.94	− 0 6.9	1.429	2.411	7.3	18.8
9 8	23 23.47	− 1 2.4	1.397	2.401	2.6	18.5
9 18	23 15.45	− 2 5.0	1.390	2.391	2.8	18.5
9 28	23 8.02	− 3 6.6	1.409	2.381	7.6	18.8
10 8	23 2.21	− 3 59.7	1.453	2.372	12.1	19.0
10 18	22 58.73	− 4 38.9	1.518	2.364	16.0	19.2

118224 1996 TT_1 9 11.8 192°.35 2°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.69	− 7 59.9	1.910	2.785	12.8	19.2
8 19	23 40.13	− 8 38.3	1.841	2.784	9.3	19.0
8 29	23 32.64	− 9 23.5	1.796	2.783	5.5	18.7
9 8	23 23.91	−10 9.7	1.777	2.781	2.2	18.5
9 18	23 14.81	−10 51.3	1.787	2.779	4.1	18.6
9 28	23 6.34	−11 22.7	1.824	2.776	7.9	18.9
10 8	22 59.38	−11 40.4	1.886	2.774	11.5	19.1
10 18	22 54.52	−11 42.8	1.971	2.770	14.6	19.3

249013 2007 RK_{42} 9 11.8 277°.74 3°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.31	+ 6 36.2	1.830	2.667	14.9	20.8
8 19	23 37.78	+ 6 27.3	1.753	2.665	11.7	20.6
8 29	23 31.30	+ 5 59.8	1.698	2.663	8.0	20.3
9 8	23 23.55	+ 5 15.9	1.667	2.661	4.4	20.1
9 18	23 15.36	+ 4 19.8	1.663	2.659	3.5	20.1
9 28	23 7.73	+ 3 18.0	1.686	2.658	6.6	20.3
10 8	23 1.56	+ 2 17.5	1.735	2.656	10.3	20.5
10 18	22 57.48	+ 1 24.5	1.807	2.654	13.7	20.7

24357 2000 AC_{115} 9 11.8 279°.62 2°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 34.11	+ 8 6.7	4.503	5.303	7.3	19.1
8 19	23 30.78	+ 7 55.7	4.411	5.298	5.8	19.0
8 29	23 26.72	+ 7 36.3	4.344	5.294	4.1	18.9
9 8	23 22.21	+ 7 9.8	4.304	5.289	2.5	18.8
9 18	23 17.54	+ 6 37.5	4.293	5.284	2.0	18.7
9 28	23 13.06	+ 6 1.8	4.313	5.280	3.1	18.8
10 8	23 9.10	+ 5 25.0	4.361	5.275	4.8	18.9
10 18	23 5.93	+ 4 49.6	4.436	5.270	6.5	19.0

131171 2001 CO_{36} 9 11.8 314°.71 3°.9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.90	−10 59.3	1.397	2.295	15.1	18.7
8 19	23 39.81	−11 38.9	1.307	2.261	11.3	18.4
8 29	23 33.00	−12 26.1	1.238	2.228	7.0	18.0
9 8	23 24.14	−13 13.4	1.193	2.194	4.0	17.8
9 18	23 14.30	−13 52.1	1.173	2.162	6.4	17.8
9 28	23 4.94	−14 14.1	1.176	2.129	11.2	18.0
10 8	22 57.44	−14 14.3	1.202	2.098	16.0	18.2
10 18	22 52.78	−13 51.3	1.246	2.067	20.3	18.4

359333 2009 PG_{19} 9 11.8 73°.99 0°.5/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.70	− 4 39.4	2.158	3.021	12.0	20.5
8 19	23 39.03	− 4 53.7	2.104	3.040	8.7	20.3
8 29	23 31.79	− 5 15.2	2.075	3.060	5.1	20.1
9 8	23 23.63	− 5 40.0	2.073	3.079	1.4	19.9
9 18	23 15.32	− 6 4.2	2.100	3.098	2.6	20.0
9 28	23 7.68	− 6 23.8	2.155	3.117	6.2	20.3
10 8	23 1.40	− 6 35.6	2.236	3.136	9.4	20.6
10 18	22 56.94	− 6 37.9	2.342	3.155	12.2	20.8

434621 2005 VB_5 9 11.8 223°.36 4°.4/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.65	+ 9 47.5	1.932	2.746	15.1	22.1
8 19	23 39.51	+ 9 52.4	1.845	2.739	12.1	21.8
8 29	23 32.38	+ 9 37.8	1.780	2.731	8.8	21.6
9 8	23 23.87	+ 9 4.4	1.739	2.724	5.6	21.4
9 18	23 14.84	+ 8 15.0	1.725	2.715	4.5	21.3
9 28	23 6.30	+ 7 15.3	1.739	2.707	6.8	21.5
10 8	22 59.18	+ 6 12.3	1.778	2.698	10.3	21.7
10 18	22 54.16	+ 5 13.0	1.842	2.688	13.6	21.9

389289 2009 JX_2 9 11.8 196°.35 1°.0/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.53	+ 2 51.8	3.664	4.494	8.2	22.3
8 19	23 32.67	+ 2 23.9	3.579	4.492	6.2	22.1
8 29	23 27.90	+ 1 47.5	3.519	4.490	4.0	22.0
9 8	23 22.55	+ 1 4.8	3.487	4.487	1.8	21.8
9 18	23 17.01	+ 0 18.2	3.485	4.484	1.5	21.8
9 28	23 11.73	− 0 29.1	3.513	4.481	3.7	21.9
10 8	23 7.12	− 1 14.0	3.570	4.478	6.0	22.1
10 18	23 3.50	− 1 53.9	3.654	4.475	8.0	22.2

367323 2008 AY_{57} 9 11.8 180°.64 0°.6/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.07	+ 0 7.3	2.348	3.197	11.6	22.2
8 19	23 37.18	− 0 21.4	2.271	3.198	8.7	22.0
8 29	23 30.76	− 1 1.1	2.219	3.198	5.3	21.8
9 8	23 23.38	− 1 48.5	2.194	3.198	1.8	21.6
9 18	23 15.70	− 2 39.3	2.198	3.198	2.1	21.6
9 28	23 8.47	− 3 28.6	2.230	3.197	5.7	21.8
10 8	23 2.40	− 4 11.6	2.290	3.196	8.9	22.0
10 18	22 57.97	− 4 45.1	2.375	3.195	11.8	22.2

113447 2002 ST_{45} 9 11.8 338°.30 1°.7/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.19	+ 3 31.3	1.619	2.480	15.3	19.2
8 19	23 35.69	+ 2 57.9	1.543	2.473	11.7	18.9
8 29	23 30.16	+ 2 5.0	1.489	2.467	7.6	18.7
9 8	23 23.26	+ 0 56.5	1.459	2.461	3.2	18.4
9 18	23 15.87	− 0 21.2	1.455	2.456	2.8	18.4
9 28	23 9.08	− 1 39.5	1.477	2.451	7.2	18.6
10 8	23 3.82	− 2 50.3	1.525	2.447	11.4	18.9
10 18	23 0.77	− 3 47.3	1.594	2.443	15.2	19.1

254452 2005 CZ_{1} 9 11.8 175°.29 0°.9/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.48	+ 1 56.3	1.636	2.494	15.4	20.8
8 19	23 39.52	+ 1 10.7	1.566	2.496	11.6	20.6
8 29	23 32.41	+ 0 6.9	1.518	2.497	7.2	20.3
9 8	23 23.88	− 1 10.1	1.494	2.498	2.5	20.0
9 18	23 14.91	− 2 33.0	1.498	2.499	2.8	20.1
9 28	23 6.62	− 3 53.1	1.530	2.499	7.5	20.4
10 8	23 0.02	− 5 2.5	1.587	2.499	11.8	20.6
10 18	22 55.75	− 5 55.9	1.666	2.498	15.4	20.8

511402 2014 HZ_{12} 9 11.8 196°.91 3°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.64	+10 1.0	2.406	3.211	12.7	22.1
8 19	23 36.90	+ 9 34.9	2.318	3.208	10.2	21.9
8 29	23 30.63	+ 8 51.2	2.253	3.204	7.2	21.7
9 8	23 23.36	+ 7 51.7	2.214	3.201	4.4	21.5
9 18	23 15.74	+ 6 40.0	2.204	3.196	3.4	21.5
9 28	23 8.53	+ 5 21.6	2.222	3.191	5.5	21.6
10 8	23 2.43	+ 4 3.0	2.269	3.186	8.5	21.8
10 18	22 57.97	+ 2 49.9	2.341	3.180	11.3	22.0

180760 2004 OV_{5} 9 11.8 102°.19 3°.1/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.88	+ 6 17.0	2.231	3.052	13.1	19.9
8 19	23 39.25	+ 6 29.1	2.162	3.064	10.2	19.8
8 29	23 32.00	+ 6 27.1	2.116	3.076	7.1	19.6
9 8	23 23.73	+ 6 12.4	2.097	3.088	4.1	19.4
9 18	23 15.19	+ 5 47.6	2.105	3.099	3.3	19.4
9 28	23 7.21	+ 5 16.8	2.142	3.110	5.7	19.6
10 8	23 0.52	+ 4 44.9	2.207	3.122	8.8	19.8
10 18	22 55.65	+ 4 16.1	2.296	3.133	11.6	20.0

436069 2009 SH_{48} 9 11.8 289°.26 4°.0/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 33.92	+20 18.5	4.460	5.176	8.6	21.1
8 19	23 30.70	+20 7.0	4.359	5.169	7.3	21.0
8 29	23 26.71	+19 42.9	4.280	5.162	6.0	20.9
9 8	23 22.23	+19 6.5	4.226	5.156	4.8	20.8
9 18	23 17.58	+18 19.2	4.199	5.149	4.0	20.7
9 28	23 13.13	+17 22.9	4.201	5.142	4.2	20.8
10 8	23 9.24	+16 20.8	4.231	5.136	5.2	20.8
10 18	23 6.17	+15 16.1	4.289	5.129	6.6	20.9

487828 2015 TZ_{72} 9 11.8 323°.99 3°.6/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.20	−14 1.7	2.126	3.009	11.3	21.1
8 19	23 38.16	−14 37.6	2.058	3.004	8.3	20.9
8 29	23 31.42	−15 14.6	2.015	2.999	5.3	20.7
9 8	23 23.59	−15 47.2	1.998	2.994	3.6	20.6
9 18	23 15.45	−16 10.6	2.010	2.989	5.2	20.7
9 28	23 7.87	−16 20.7	2.048	2.985	8.3	20.9
10 8	23 1.64	−16 15.6	2.111	2.980	11.3	21.1
10 18	22 57.28	−15 55.1	2.196	2.976	13.9	21.3

400496 2008 JS_{11} 9 11.8 91°.69 4°.5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.89	+13 30.5	2.295	3.086	13.7	20.8
8 19	23 35.62	+13 14.6	2.221	3.096	11.1	20.7
8 29	23 29.85	+12 38.9	2.169	3.106	8.3	20.5
9 8	23 23.15	+11 44.9	2.142	3.116	5.7	20.4
9 18	23 16.17	+10 36.1	2.141	3.125	4.5	20.3
9 28	23 9.70	+ 9 17.9	2.169	3.135	5.9	20.4
10 8	23 4.39	+ 7 57.1	2.224	3.145	8.4	20.6
10 18	23 0.74	+ 6 40.0	2.305	3.154	11.1	20.8

89898 2002 CY_{279} 9 11.8 279°.05 0°.1/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 34.76	− 2 28.2	4.259	5.109	6.8	20.5
8 19	23 31.28	− 2 50.8	4.178	5.106	5.0	20.4
8 29	23 27.04	− 3 18.3	4.123	5.104	3.0	20.2
9 8	23 22.33	− 3 48.9	4.096	5.101	0.9	20.0
9 18	23 17.48	− 4 20.4	4.100	5.099	1.3	20.1
9 28	23 12.83	− 4 50.4	4.133	5.097	3.4	20.3
10 8	23 8.75	− 5 16.9	4.195	5.094	5.4	20.4
10 18	23 5.50	− 5 38.0	4.284	5.092	7.2	20.5

442480 2011 UM_{326} 9 11.8 321°.32 9°.9/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.50	−27 15.4	1.642	2.535	13.5	20.4
8 19	23 38.34	−29 0.1	1.589	2.522	11.3	20.2
8 29	23 31.83	−30 35.6	1.560	2.509	10.0	20.1
9 8	23 23.75	−31 51.2	1.553	2.496	10.4	20.1
9 18	23 15.19	−32 38.3	1.570	2.484	12.2	20.2
9 28	23 7.40	−32 52.0	1.609	2.472	14.7	20.3
10 8	23 1.44	−32 32.7	1.667	2.461	17.3	20.5
10 18	22 58.00	−31 43.9	1.742	2.450	19.5	20.6

76769 2000 KC_{34} 9 11.8 311°.39 9°.5/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.10	−23 37.1	1.644	2.546	13.0	18.0
8 19	23 35.92	−26 20.0	1.585	2.527	10.7	17.8
8 29	23 30.47	−29 0.6	1.552	2.508	9.5	17.7
9 8	23 23.40	−31 25.0	1.544	2.489	10.2	17.7
9 18	23 15.69	−33 21.2	1.561	2.471	12.5	17.8
9 28	23 8.53	−34 41.2	1.601	2.453	15.3	17.9
10 8	23 3.04	−35 22.9	1.660	2.436	18.0	18.1
10 18	22 59.98	−35 28.5	1.733	2.419	20.3	18.2

44080 1998 FQ_{71} 9 11.8 76°.04 0°.5/12.3 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.09	+ 0 21.1	1.368	2.241	17.0	19.5
8 19	23 40.10	− 0 19.6	1.318	2.257	12.6	19.3
8 29	23 32.76	− 1 18.1	1.289	2.273	7.7	19.1
9 8	23 23.98	− 2 27.9	1.284	2.289	2.4	18.8
9 18	23 14.92	− 3 40.7	1.304	2.305	3.1	18.9
9 28	23 6.85	− 4 47.4	1.351	2.321	8.1	19.3
10 8	23 0.77	− 5 40.9	1.421	2.337	12.6	19.6
10 18	22 57.29	− 6 16.9	1.513	2.352	16.3	19.8

511658 2015 BK_{298} 9 11.8 182°.77 1°.5/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.78	− 5 0.8	1.918	2.787	12.9	22.2
8 19	23 39.48	− 6 0.2	1.848	2.788	9.5	22.0
8 29	23 32.28	− 7 9.9	1.802	2.789	5.5	21.8
9 8	23 23.86	− 8 23.9	1.783	2.788	1.8	21.5
9 18	23 15.06	− 9 35.1	1.793	2.787	3.7	21.6
9 28	23 6.86	−10 36.7	1.831	2.786	7.7	21.9
10 8	23 0.12	−11 23.7	1.894	2.783	11.4	22.1
10 18	22 55.45	−11 53.5	1.980	2.781	14.5	22.3

487867 2015 TB_{123} 9 11.8 307°.80 4°.6/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.44	−15 13.4	2.051	2.941	11.3	20.8
8 19	23 36.29	−16 22.4	1.981	2.929	8.4	20.6
8 29	23 30.39	−17 33.4	1.936	2.917	5.7	20.4
9 8	23 23.33	−18 39.2	1.917	2.906	4.7	20.3
9 18	23 15.88	−19 33.4	1.925	2.894	6.4	20.4
9 28	23 8.94	−20 10.4	1.959	2.883	9.4	20.6
10 8	23 3.30	−20 27.5	2.017	2.871	12.4	20.8
10 18	22 59.55	−20 24.4	2.096	2.860	15.0	20.9

206723 2004 BT_{71} 9 11.8 242°.63 0°.2/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.42	− 1 23.5	2.147	3.006	12.1	21.1
8 19	23 36.93	− 2 11.6	2.062	2.995	9.0	20.9
8 29	23 30.75	− 3 12.2	2.001	2.984	5.4	20.6
9 8	23 23.44	− 4 20.7	1.967	2.972	1.5	20.3
9 18	23 15.71	− 5 31.6	1.961	2.960	2.6	20.4
9 28	23 8.40	− 6 38.5	1.984	2.948	6.5	20.6
10 8	23 2.29	− 7 35.6	2.034	2.935	10.1	20.8
10 18	22 57.98	− 8 19.2	2.107	2.922	13.3	21.0

387898 2004 TM_{336} 9 11.8 254°.08 4°.5/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.96	−14 30.4	1.872	2.757	12.5	21.6
8 19	23 40.52	−15 22.8	1.799	2.745	9.3	21.4
8 29	23 33.00	−16 17.2	1.749	2.732	6.1	21.2
9 8	23 24.08	−17 6.6	1.726	2.719	4.5	21.0
9 18	23 14.70	−17 44.3	1.730	2.706	6.3	21.1
9 28	23 5.91	−18 4.9	1.760	2.692	9.7	21.3
10 8	22 58.68	−18 6.1	1.814	2.678	13.1	21.5
10 18	22 53.67	−17 47.8	1.890	2.664	16.1	21.7

476555 2008 JJ_{27} 9 11.8 96°.46 8°.2/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.15	−30 19.9	2.302	3.170	11.1	20.5
8 19	23 40.19	−31 30.7	2.272	3.184	9.4	20.4
8 29	23 32.52	−32 29.8	2.266	3.198	8.3	20.4
9 8	23 23.88	−33 10.9	2.286	3.212	8.4	20.4
9 18	23 15.13	−33 29.5	2.331	3.225	9.6	20.5
9 28	23 7.16	−33 24.0	2.400	3.239	11.3	20.7
10 8	23 0.72	−32 55.6	2.491	3.252	13.0	20.8
10 18	22 56.27	−32 7.2	2.600	3.265	14.6	21.0

154420 2003 BB_{31} 9 11.8 261°.62 1°.1/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.53	+ 0 54.6	1.741	2.598	14.6	20.8
8 19	23 39.66	+ 0 31.8	1.652	2.582	11.1	20.5
8 29	23 32.61	− 0 6.7	1.585	2.565	7.0	20.3
9 8	23 24.01	− 0 57.5	1.544	2.548	2.5	19.9
9 18	23 14.77	− 1 55.3	1.529	2.530	2.8	19.9
9 28	23 6.01	− 2 52.9	1.542	2.512	7.4	20.2
10 8	22 58.77	− 3 43.4	1.581	2.493	11.7	20.4
10 18	22 53.81	− 4 21.6	1.641	2.475	15.6	20.6

342287 2008 TX_{24} 9 11.8 61°.91 1°.1/10.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.07	− 2 57.6	1.457	2.339	15.6	20.9
8 19	23 38.45	− 4 1.7	1.413	2.359	11.4	20.7
8 29	23 31.69	− 5 19.3	1.391	2.379	6.6	20.5
9 8	23 23.67	− 6 42.3	1.394	2.400	1.8	20.2
9 18	23 15.46	− 8 2.0	1.423	2.421	3.8	20.4
9 28	23 8.18	− 9 9.8	1.479	2.441	8.4	20.8
10 8	23 2.73	−10 0.1	1.558	2.462	12.5	21.1
10 18	22 59.65	−10 30.3	1.658	2.483	15.8	21.3

177753 2005 JC_{84} 9 11.8 117°.64 1°.9/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.70	− 6 29.2	1.630	2.506	14.5	21.7
8 19	23 41.73	− 7 15.4	1.577	2.521	10.6	21.5
8 29	23 33.62	− 8 10.1	1.548	2.535	6.2	21.2
9 8	23 24.22	− 9 6.9	1.544	2.549	2.2	21.0
9 18	23 14.58	− 9 58.5	1.568	2.562	4.2	21.2
9 28	23 5.82	−10 38.7	1.619	2.575	8.4	21.5
10 8	22 58.88	−11 3.3	1.694	2.587	12.3	21.7
10 18	22 54.34	−11 11.0	1.791	2.599	15.5	22.0

471526 2012 GU_{39} 9 11.8 113°.24 2°.3/ 9.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.36	− 7 21.8	1.632	2.510	14.4	21.7
8 19	23 41.46	− 8 14.7	1.581	2.526	10.4	21.5
8 29	23 33.45	− 9 15.4	1.554	2.542	6.1	21.3
9 8	23 24.17	−10 16.8	1.553	2.557	2.5	21.1
9 18	23 14.67	−11 11.6	1.579	2.571	4.5	21.2
9 28	23 6.06	−11 53.4	1.632	2.585	8.6	21.5
10 8	22 59.26	−12 18.5	1.710	2.599	12.4	21.8
10 18	22 54.84	−12 25.6	1.809	2.612	15.6	22.0

353570 2011 SA_{246} 9 11.8 152°.69 1°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.48	+ 1 12.7	2.243	3.086	12.3	21.5
8 19	23 38.98	+ 1 2.8	2.170	3.091	9.3	21.4
8 29	23 31.87	+ 0 41.6	2.121	3.097	5.9	21.2
9 8	23 23.74	+ 0 11.8	2.099	3.101	2.4	20.9
9 18	23 15.31	− 0 23.1	2.106	3.106	2.3	20.9
9 28	23 7.41	− 0 58.4	2.142	3.110	5.7	21.2
10 8	23 0.76	− 1 29.7	2.204	3.114	9.1	21.4
10 18	22 55.90	− 1 53.7	2.292	3.117	12.0	21.6

308949 2006 TG_{15} 9 11.8 145°.13 0°.1/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.64	− 1 57.4	2.033	2.895	12.6	21.4
8 19	23 37.80	− 2 24.3	1.962	2.896	9.4	21.2
8 29	23 31.24	− 3 1.8	1.915	2.898	5.6	21.0
9 8	23 23.57	− 3 46.2	1.894	2.899	1.6	20.7
9 18	23 15.58	− 4 32.3	1.901	2.900	2.5	20.8
9 28	23 8.14	− 5 14.9	1.936	2.902	6.5	21.0
10 8	23 2.04	− 5 49.1	1.997	2.903	10.1	21.3
10 18	22 57.82	− 6 12.0	2.082	2.904	13.1	21.5

521749 2015 RC_{274} 9 11.8 174°.13 2°.9/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.66	+ 8 49.7	2.447	3.261	12.3	21.4
8 19	23 35.41	+ 8 22.7	2.366	3.262	9.7	21.3
8 29	23 29.74	+ 7 39.3	2.307	3.263	6.8	21.1
9 8	23 23.15	+ 6 41.6	2.274	3.263	4.0	20.9
9 18	23 16.26	+ 5 33.4	2.269	3.264	3.0	20.9
9 28	23 9.80	+ 4 20.0	2.294	3.264	5.2	21.0
10 8	23 4.39	+ 3 7.4	2.346	3.264	8.2	21.2
10 18	23 0.53	+ 2 0.8	2.424	3.264	10.9	21.4

506923 2008 EF_{123} 9 11.8 186°.81 0°.7/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.70	− 3 40.6	1.851	2.715	13.6	22.0
8 19	23 40.97	− 4 15.3	1.779	2.715	10.0	21.8
8 29	23 33.22	− 5 0.8	1.730	2.715	5.9	21.5
9 8	23 24.16	− 5 52.0	1.708	2.714	1.6	21.2
9 18	23 14.69	− 6 43.1	1.714	2.712	3.1	21.4
9 28	23 5.85	− 7 27.8	1.748	2.709	7.4	21.6
10 8	22 58.57	− 8 1.3	1.807	2.706	11.3	21.8
10 18	22 53.47	− 8 20.6	1.890	2.702	14.7	22.1

25382 1999 TK_{226} 9 11.8 207°.92 1°.1/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.61	+ 1 46.2	1.668	2.525	15.2	19.4
8 19	23 39.67	+ 1 11.0	1.592	2.522	11.5	19.1
8 29	23 32.56	+ 0 18.4	1.539	2.518	7.2	18.9
9 8	23 23.99	− 0 47.4	1.510	2.514	2.6	18.6
9 18	23 14.93	− 1 59.8	1.508	2.509	2.8	18.6
9 28	23 6.49	− 3 10.8	1.534	2.504	7.4	18.9
10 8	22 59.68	− 4 12.9	1.585	2.498	11.7	19.1
10 18	22 55.20	− 5 0.7	1.659	2.493	15.4	19.3

266344 2007 DE_{90} 9 11.8 231°.20 0°.7/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.77	− 3 39.3	1.942	2.806	13.1	21.7
8 19	23 40.32	− 4 13.9	1.858	2.794	9.7	21.5
8 29	23 32.89	− 4 59.2	1.798	2.782	5.8	21.3
9 8	23 24.08	− 5 50.9	1.763	2.769	1.6	20.9
9 18	23 14.77	− 6 43.1	1.758	2.756	3.1	21.0
9 28	23 5.96	− 7 29.7	1.780	2.741	7.3	21.3
10 8	22 58.56	− 8 5.5	1.829	2.727	11.3	21.5
10 18	22 53.27	− 8 27.5	1.900	2.711	14.6	21.7

76130 2000 ED_{8} 9 11.8 353°.94 0°.3/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.66	− 1 35.4	1.618	2.490	14.8	18.9
8 19	23 38.22	− 1 53.9	1.549	2.488	11.0	18.6
8 29	23 31.67	− 2 25.5	1.502	2.486	6.7	18.4
9 8	23 23.74	− 3 6.1	1.480	2.485	2.0	18.1
9 18	23 15.37	− 3 49.8	1.484	2.484	2.9	18.1
9 28	23 7.68	− 4 30.2	1.514	2.484	7.5	18.4
10 8	23 1.62	− 5 1.6	1.569	2.483	11.7	18.7
10 18	22 57.85	− 5 20.0	1.646	2.484	15.3	18.9

428678 2008 HV_{54} 9 11.8 252°.47 5°.7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.87	−15 28.2	1.526	2.420	14.2	20.6
8 19	23 40.73	−16 37.9	1.468	2.419	10.6	20.4
8 29	23 33.22	−17 48.9	1.434	2.417	7.2	20.2
9 8	23 24.17	−18 51.9	1.424	2.415	5.7	20.1
9 18	23 14.71	−19 38.4	1.441	2.413	7.8	20.3
9 28	23 6.10	−20 2.4	1.481	2.411	11.4	20.5
10 8	22 59.39	−20 1.8	1.545	2.409	14.9	20.7
10 18	22 55.26	−19 37.8	1.627	2.407	18.0	20.9

18700 1998 HK_{54} 9 11.8 59°.65 3°.8/16.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.06	+10 7.3	2.039	2.856	14.3	18.3
8 19	23 35.93	+ 9 49.3	1.967	2.863	11.4	18.2
8 29	23 30.14	+ 9 11.5	1.916	2.869	8.2	18.0
9 8	23 23.29	+ 8 16.1	1.889	2.876	5.1	17.8
9 18	23 16.12	+ 7 7.2	1.890	2.882	3.9	17.7
9 28	23 9.50	+ 5 51.1	1.918	2.889	6.0	17.9
10 8	23 4.16	+ 4 35.0	1.973	2.896	9.2	18.1
10 18	23 0.64	+ 3 25.3	2.053	2.903	12.2	18.3

143741 2003 UX_{248} 9 11.9 63°.85 2°.6/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.41	+ 3 27.9	1.267	2.132	18.5	20.1
8 19	23 41.27	+ 3 20.6	1.216	2.147	14.1	19.9
8 29	23 33.57	+ 2 52.2	1.185	2.162	9.2	19.7
9 8	23 24.27	+ 2 6.7	1.177	2.178	4.1	19.4
9 18	23 14.65	+ 1 11.1	1.193	2.193	3.5	19.4
9 28	23 6.08	+ 0 13.9	1.234	2.209	8.1	19.7
10 8	22 59.69	− 0 36.2	1.299	2.224	12.8	20.1
10 18	22 56.11	− 1 13.6	1.385	2.240	16.7	20.4

140525 2001 TF_{172} 9 11.9 17°.82 7°.7/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.37	−23 45.1	1.750	2.638	13.1	19.1
8 19	23 40.81	−24 44.3	1.703	2.640	10.3	18.9
8 29	23 33.11	−25 35.8	1.679	2.643	8.2	18.8
9 8	23 24.12	−26 11.3	1.680	2.645	7.8	18.8
9 18	23 14.88	−26 25.0	1.705	2.648	9.4	18.9
9 28	23 6.53	−26 13.7	1.756	2.652	11.9	19.1
10 8	22 59.99	−25 38.1	1.828	2.655	14.6	19.2
10 18	22 55.83	−24 41.4	1.919	2.659	17.0	19.4

386674 2009 UU_{148} 9 11.9 338°.45 0°.3/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 33.79	− 0 24.0	4.260	5.104	6.9	20.9
8 19	23 30.61	− 0 57.4	4.179	5.103	5.1	20.8
8 29	23 26.68	− 1 36.8	4.123	5.102	3.1	20.6
9 8	23 22.28	− 2 20.2	4.097	5.101	1.0	20.5
9 18	23 17.75	− 3 5.3	4.100	5.100	1.2	20.5
9 28	23 13.42	− 3 49.3	4.134	5.099	3.3	20.6
10 8	23 9.64	− 4 29.9	4.196	5.099	5.3	20.8
10 18	23 6.67	− 5 5.1	4.285	5.098	7.1	20.9

126891 2002 EK_{103} 9 11.9 205°.24 3°.5/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.73	−12 41.1	2.324	3.207	10.5	19.9
8 19	23 36.27	−13 51.5	2.258	3.205	7.7	19.7
8 29	23 30.29	−15 4.9	2.219	3.203	4.9	19.6
9 8	23 23.34	−16 15.4	2.206	3.200	3.5	19.5
9 18	23 16.09	−17 17.0	2.222	3.198	5.2	19.6
9 28	23 9.32	−18 4.7	2.266	3.195	8.0	19.8
10 8	23 3.70	−18 35.6	2.335	3.192	10.8	19.9
10 18	22 59.75	−18 48.7	2.426	3.189	13.2	20.1

69904 1998 SH_{143} 9 11.9 119°.89 2°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.48	−11 7.0	2.467	3.344	10.2	19.0
8 19	23 36.65	−11 56.9	2.408	3.352	7.4	18.9
8 29	23 30.43	−12 49.8	2.375	3.361	4.5	18.7
9 8	23 23.36	−13 40.6	2.370	3.369	2.7	18.6
9 18	23 16.09	−14 24.7	2.394	3.377	4.2	18.7
9 28	23 9.32	−14 58.1	2.446	3.385	6.9	18.9
10 8	23 3.68	−15 18.2	2.523	3.393	9.7	19.1
10 18	22 59.62	−15 24.1	2.624	3.400	12.0	19.3

167371 2003 WC_{61} 9 11.9 18°.41 0°.6/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.99	− 0 34.1	1.456	2.332	15.9	19.6
8 19	23 37.85	− 0 54.7	1.396	2.336	11.9	19.4
8 29	23 31.50	− 1 30.8	1.357	2.341	7.3	19.1
9 8	23 23.71	− 2 17.4	1.342	2.347	2.3	18.9
9 18	23 15.54	− 3 8.3	1.352	2.353	2.9	18.9
9 28	23 8.16	− 3 55.7	1.388	2.359	7.8	19.2
10 8	23 2.56	− 4 33.4	1.448	2.367	12.1	19.5
10 18	22 59.39	− 4 57.0	1.529	2.375	15.9	19.8

31816 1999 RZ_{117} 9 11.9 75°.10 4°.7/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.76	+11 6.6	2.119	2.923	14.2	17.7
8 19	23 37.88	+11 20.2	2.046	2.930	11.5	17.5
8 29	23 31.31	+11 15.7	1.994	2.938	8.5	17.3
9 8	23 23.64	+10 53.6	1.967	2.945	5.8	17.2
9 18	23 15.64	+10 16.5	1.967	2.953	4.7	17.1
9 28	23 8.18	+ 9 29.1	1.995	2.960	6.3	17.2
10 8	23 2.01	+ 8 37.3	2.049	2.967	9.1	17.4
10 18	22 57.70	+ 7 47.1	2.127	2.975	11.9	17.6

376192 2011 CE_{67} 9 11.9 317°.14 1°.5/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.30	− 5 7.0	1.295	2.187	16.5	20.7
8 19	23 39.30	− 5 38.6	1.222	2.173	12.2	20.5
8 29	23 32.64	− 6 23.7	1.169	2.159	7.3	20.1
9 8	23 24.11	− 7 15.8	1.140	2.146	2.2	19.8
9 18	23 14.87	− 8 6.8	1.135	2.133	4.4	19.9
9 28	23 6.35	− 8 48.1	1.155	2.121	9.7	20.2
10 8	22 59.84	− 9 13.0	1.197	2.110	14.7	20.4
10 18	22 56.18	− 9 18.3	1.258	2.099	18.9	20.7

325461 2009 QU_{46} 9 11.9 27°.81 3°.7/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.83	− 8 59.2	1.054	1.965	17.8	19.3
8 19	23 38.95	− 9 53.2	1.015	1.976	12.9	19.1
8 29	23 32.29	−10 55.8	0.996	1.988	7.7	18.8
9 8	23 23.93	−11 56.9	0.999	2.002	3.8	18.7
9 18	23 15.31	−12 46.3	1.025	2.017	6.3	18.9
9 28	23 7.91	−13 15.9	1.073	2.033	11.2	19.2
10 8	23 2.88	−13 22.3	1.142	2.049	15.7	19.5
10 18	23 0.82	−13 5.6	1.229	2.067	19.5	19.8

358400 2007 BD_{22} 9 11.9 79°.47 2°.2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.68	+ 3 26.1	2.127	2.965	13.0	20.7
8 19	23 38.51	+ 3 29.5	2.055	2.970	10.0	20.5
8 29	23 31.67	+ 3 19.8	2.006	2.975	6.6	20.3
9 8	23 23.75	+ 2 59.2	1.982	2.980	3.3	20.1
9 18	23 15.51	+ 2 30.8	1.987	2.985	2.7	20.1
9 28	23 7.82	+ 1 59.1	2.020	2.991	5.8	20.3
10 8	23 1.43	+ 1 28.8	2.080	2.996	9.2	20.5
10 18	22 56.88	+ 1 4.1	2.164	3.001	12.2	20.7

268864 2006 YL_{17} 9 11.9 236°.14 1°.5/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.70	− 5 8.7	1.754	2.628	13.7	21.1
8 19	23 39.70	− 5 57.2	1.676	2.619	10.1	20.9
8 29	23 32.60	− 6 57.0	1.622	2.609	6.0	20.6
9 8	23 24.06	− 8 2.0	1.594	2.599	1.9	20.3
9 18	23 15.00	− 9 5.1	1.593	2.589	3.8	20.4
9 28	23 6.53	− 9 59.2	1.620	2.578	8.2	20.7
10 8	22 59.61	−10 38.7	1.671	2.567	12.3	20.9
10 18	22 54.93	−11 0.8	1.744	2.556	15.7	21.1

492269 2013 WH_{106} 9 11.9 316°.74 6°.5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.78	+12 43.8	1.317	2.154	19.6	20.6
8 19	23 36.07	+12 49.2	1.230	2.133	16.2	20.3
8 29	23 30.81	+12 23.5	1.160	2.113	12.3	20.0
9 8	23 23.63	+11 25.7	1.111	2.093	8.4	19.7
9 18	23 15.59	+ 9 58.9	1.084	2.074	6.6	19.6
9 28	23 8.08	+ 8 12.1	1.081	2.056	8.9	19.6
10 8	23 2.40	+ 6 18.6	1.101	2.039	13.3	19.8
10 18	22 59.50	+ 4 31.2	1.142	2.022	17.7	20.0

30164 Arnobdas 9 11.9 197°.50 0°.4/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.07	− 2 48.0	1.719	2.587	14.2	19.4
8 19	23 39.93	− 3 23.5	1.648	2.586	10.5	19.2
8 29	23 32.69	− 4 11.4	1.600	2.585	6.3	19.0
9 8	23 24.07	− 5 6.6	1.577	2.583	1.7	18.7
9 18	23 15.02	− 6 2.6	1.582	2.581	3.1	18.8
9 28	23 6.62	− 6 52.6	1.614	2.578	7.6	19.0
10 8	22 59.83	− 7 31.0	1.671	2.575	11.7	19.3
10 18	22 55.31	− 7 54.5	1.750	2.572	15.2	19.5

392431 2010 OE_{107} 9 11.9 76°.87 5°.7/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.60	−18 49.5	1.781	2.666	13.0	20.7
8 19	23 42.26	−19 32.5	1.737	2.679	9.8	20.6
8 29	23 33.89	−20 11.4	1.717	2.693	6.9	20.4
9 8	23 24.35	−20 39.4	1.722	2.706	5.7	20.4
9 18	23 14.67	−20 51.0	1.754	2.719	7.3	20.5
9 28	23 5.92	−20 43.2	1.811	2.732	10.2	20.7
10 8	22 58.98	−20 15.9	1.893	2.745	13.1	20.9
10 18	22 54.37	−19 31.3	1.995	2.758	15.7	21.2

304632 2006 VT_{141} 9 11.9 167°.19 0°.7/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.57	− 4 4.4	2.180	3.045	11.8	21.4
8 19	23 37.68	− 4 37.1	2.109	3.046	8.7	21.2
8 29	23 31.16	− 5 18.5	2.062	3.047	5.1	21.0
9 8	23 23.63	− 6 4.3	2.043	3.048	1.4	20.8
9 18	23 15.78	− 6 49.8	2.052	3.049	2.7	20.9
9 28	23 8.46	− 7 29.8	2.089	3.050	6.4	21.1
10 8	23 2.39	− 8 0.3	2.153	3.051	9.8	21.3
10 18	22 58.08	− 8 18.8	2.240	3.051	12.7	21.5

447013 2004 FE_{143} 9 11.9 93°.23 18°.6/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 18.25	−42 20.9	1.039	1.883	23.2	20.6
8 19	0 5.42	−43 16.2	1.017	1.896	20.8	20.4
8 29	23 47.90	−43 31.8	1.011	1.910	19.0	20.4
9 8	23 28.16	−42 52.5	1.024	1.923	18.6	20.4
9 18	23 9.27	−41 14.4	1.056	1.937	19.5	20.5
9 28	22 53.87	−38 45.5	1.109	1.949	21.4	20.7
10 8	22 43.30	−35 42.0	1.180	1.962	23.6	20.9
10 18	22 37.72	−32 19.6	1.267	1.974	25.6	21.2

481694 2008 AZ_{80} 9 11.9 316°.23 6°.3/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.30	+10 58.6	1.720	2.536	16.5	20.6
8 19	23 39.65	+11 46.3	1.629	2.520	13.6	20.4
8 29	23 32.73	+12 14.9	1.559	2.503	10.4	20.1
9 8	23 24.16	+12 22.8	1.511	2.487	7.4	19.9
9 18	23 14.85	+12 10.5	1.488	2.471	6.3	19.8
9 28	23 5.96	+11 41.6	1.492	2.456	8.2	19.9
10 8	22 58.61	+11 2.9	1.519	2.441	11.5	20.1
10 18	22 53.62	+10 21.5	1.569	2.427	15.0	20.2

74611 1999 RK_{17} 9 11.9 303°.15 2°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.91	+ 2 58.3	1.399	2.263	17.1	19.1
8 19	23 39.53	+ 2 42.5	1.327	2.258	13.1	18.8
8 29	23 32.68	+ 2 6.4	1.275	2.253	8.5	18.6
9 8	23 24.13	+ 1 13.6	1.247	2.248	3.7	18.3
9 18	23 14.99	+ 0 10.4	1.243	2.244	3.2	18.2
9 28	23 6.56	− 0 54.4	1.265	2.239	8.0	18.5
10 8	23 0.03	− 1 52.3	1.311	2.235	12.8	18.8
10 18	22 56.15	− 2 36.6	1.378	2.231	16.9	19.0

300685 2007 VO_{31} 9 11.9 252°.96 6°.2/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.96	+16 37.2	2.167	2.940	15.0	20.7
8 19	23 37.49	+16 44.1	2.071	2.926	12.6	20.5
8 29	23 31.22	+16 28.8	1.994	2.913	9.9	20.3
9 8	23 23.70	+15 50.8	1.940	2.899	7.5	20.1
9 18	23 15.65	+14 51.7	1.913	2.885	6.2	20.0
9 28	23 7.98	+13 36.3	1.913	2.871	7.2	20.0
10 8	23 1.54	+12 11.8	1.939	2.857	9.7	20.2
10 18	22 56.96	+10 46.0	1.991	2.842	12.5	20.3

18773 Bredehoft 9 11.9 67°.69 0°.7/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.96	− 3 15.1	1.299	2.183	17.0	18.0
8 19	23 40.99	− 3 50.4	1.245	2.191	12.5	17.7
8 29	23 33.47	− 4 40.2	1.210	2.198	7.4	17.5
9 8	23 24.32	− 5 37.7	1.200	2.206	2.0	17.2
9 18	23 14.78	− 6 34.6	1.214	2.213	3.8	17.3
9 28	23 6.21	− 7 22.6	1.254	2.221	9.0	17.6
10 8	22 59.76	− 7 55.4	1.317	2.229	13.7	17.9
10 18	22 56.08	− 8 10.1	1.400	2.237	17.6	18.2

403406 2009 RK_{71} 9 11.9 318°.68 1°.1/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.20	− 0 48.9	1.910	2.771	13.4	20.9
8 19	23 38.55	− 0 42.2	1.819	2.750	10.2	20.6
8 29	23 31.92	− 0 46.1	1.750	2.730	6.4	20.4
9 8	23 23.91	− 0 58.5	1.707	2.711	2.4	20.1
9 18	23 15.33	− 1 15.9	1.691	2.692	2.5	20.1
9 28	23 7.17	− 1 33.8	1.703	2.673	6.7	20.3
10 8	23 0.36	− 1 47.8	1.740	2.655	10.7	20.5
10 18	22 55.61	− 1 54.1	1.800	2.637	14.2	20.7

478736 2012 UQ_{67} 9 11.9 328°.24 2°.3/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.03	+ 3 11.9	1.169	2.055	18.3	20.3
8 19	23 34.36	+ 2 57.0	1.074	2.017	14.3	20.0
8 29	23 29.99	+ 2 16.3	0.997	1.980	9.5	19.6
9 8	23 23.49	+ 1 11.6	0.942	1.944	4.2	19.2
9 18	23 15.87	− 0 11.0	0.908	1.910	3.6	19.0
9 28	23 8.63	− 1 40.6	0.897	1.876	9.4	19.3
10 8	23 3.27	− 3 4.1	0.907	1.845	15.3	19.5
10 18	23 0.93	− 4 10.7	0.936	1.815	20.7	19.7

392468 2011 CF_{70} 9 11.9 192°.89 3°.5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.21	−11 3.3	1.685	2.568	13.7	20.7
8 19	23 41.54	−11 51.1	1.621	2.567	10.1	20.4
8 29	23 33.68	−12 43.7	1.580	2.566	6.2	20.2
9 8	23 24.39	−13 34.0	1.565	2.565	3.5	20.1
9 18	23 14.69	−14 15.1	1.577	2.563	5.5	20.2
9 28	23 5.75	−14 41.0	1.615	2.561	9.4	20.4
10 8	22 58.56	−14 48.9	1.678	2.558	13.1	20.6
10 18	22 53.75	−14 38.1	1.762	2.556	16.3	20.8

95998 2004 NP_{17} 9 11.9 317°.35 2°.7/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.18	− 7 14.5	1.829	2.717	12.6	19.0
8 19	23 34.87	− 8 35.6	1.751	2.701	9.2	18.8
8 29	23 29.71	−10 7.7	1.696	2.685	5.4	18.5
9 8	23 23.28	−11 43.5	1.667	2.670	2.7	18.3
9 18	23 16.37	−13 14.6	1.666	2.654	4.9	18.4
9 28	23 9.93	−14 32.7	1.691	2.640	8.8	18.6
10 8	23 4.83	−15 31.9	1.741	2.625	12.5	18.8
10 18	23 1.71	−16 9.2	1.812	2.612	15.7	19.0

218974 2008 FF_{60} 9 11.9 95°.05 0°.2/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.69	+ 1 27.8	1.548	2.414	15.7	20.2
8 19	23 38.22	+ 0 12.3	1.492	2.427	11.7	20.0
8 29	23 31.66	− 1 22.2	1.458	2.441	7.0	19.8
9 8	23 23.81	− 3 8.2	1.449	2.454	2.0	19.5
9 18	23 15.65	− 4 56.2	1.468	2.467	3.0	19.6
9 28	23 8.29	− 6 36.0	1.513	2.480	7.8	19.9
10 8	23 2.65	− 7 59.5	1.584	2.493	12.0	20.2
10 18	22 59.31	− 9 2.1	1.677	2.506	15.5	20.5

449030 2012 CF_{7} 9 11.9 184°.44 3°.9/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.58	+ 9 19.0	2.466	3.269	12.5	21.0
8 19	23 38.34	+ 9 35.3	2.383	3.269	10.0	20.8
8 29	23 31.56	+ 9 37.2	2.322	3.269	7.3	20.6
9 8	23 23.78	+ 9 25.0	2.287	3.268	4.8	20.5
9 18	23 15.65	+ 9 0.9	2.280	3.268	3.9	20.4
9 28	23 7.93	+ 8 28.3	2.302	3.267	5.6	20.5
10 8	23 1.32	+ 7 51.9	2.352	3.266	8.3	20.7
10 18	22 56.35	+ 7 16.2	2.426	3.265	11.0	20.9

295591 2008 SA_{136} 9 11.9 316°.99 0°.8/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 34.33	− 6 17.1	3.962	4.826	6.9	20.3
8 19	23 31.09	− 6 55.3	3.879	4.818	5.0	20.2
8 29	23 27.04	− 7 37.8	3.823	4.809	2.9	20.0
9 8	23 22.47	− 8 21.8	3.796	4.801	1.0	19.9
9 18	23 17.72	− 9 4.8	3.798	4.792	2.0	19.9
9 28	23 13.19	− 9 43.9	3.831	4.784	4.1	20.1
10 8	23 9.25	−10 16.9	3.891	4.776	6.2	20.2
10 18	23 6.20	−10 41.9	3.976	4.768	8.0	20.4

113572 2002 TL_{38} 9 11.9 352°.40 0°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.23	− 0 5.5	1.594	2.466	15.0	18.9
8 19	23 37.25	− 0 28.1	1.525	2.462	11.3	18.7
8 29	23 31.17	− 1 6.0	1.477	2.460	7.0	18.4
9 8	23 23.71	− 1 54.8	1.453	2.457	2.3	18.1
9 18	23 15.79	− 2 48.5	1.455	2.456	2.8	18.2
9 28	23 8.52	− 3 39.9	1.483	2.455	7.4	18.4
10 8	23 2.87	− 4 22.5	1.536	2.454	11.7	18.7
10 18	22 59.48	− 4 51.8	1.610	2.454	15.3	18.9

444651 2007 BY_{15} 9 11.9 12°.88 4°.1/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.95	+ 5 35.7	1.604	2.450	16.2	20.0
8 19	23 39.22	+ 6 10.0	1.538	2.454	12.7	19.8
8 29	23 32.33	+ 6 27.1	1.493	2.458	8.9	19.6
9 8	23 24.03	+ 6 27.7	1.472	2.464	5.2	19.4
9 18	23 15.30	+ 6 14.5	1.476	2.470	4.3	19.4
9 28	23 7.28	+ 5 52.3	1.506	2.478	7.2	19.6
10 8	23 0.96	+ 5 27.3	1.561	2.486	11.0	19.8
10 18	22 56.98	+ 5 5.2	1.638	2.495	14.4	20.1

182320 2001 OJ_{99} 9 11.9 49°.51 2°.1/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.15	− 5 26.9	1.227	2.122	17.0	19.8
8 19	23 39.58	− 6 26.4	1.188	2.141	12.3	19.6
8 29	23 32.54	− 7 37.8	1.170	2.161	7.1	19.3
9 8	23 24.06	− 8 52.1	1.176	2.181	2.5	19.1
9 18	23 15.37	− 9 59.4	1.206	2.202	4.8	19.3
9 28	23 7.81	−10 51.3	1.261	2.223	9.6	19.7
10 8	23 2.39	−11 22.9	1.338	2.244	14.0	20.0
10 18	22 59.66	−11 32.9	1.435	2.266	17.6	20.3

467843 2010 UR_{15} 9 11.9 3°.19 0°.2/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.48	− 0 29.9	0.895	1.806	20.1	19.7
8 19	23 34.79	− 1 5.1	0.845	1.804	15.1	19.5
8 29	23 30.13	− 2 4.6	0.812	1.803	9.2	19.1
9 8	23 23.47	− 3 20.5	0.798	1.804	2.7	18.8
9 18	23 16.22	− 4 41.2	0.806	1.807	4.0	18.9
9 28	23 10.03	− 5 53.2	0.834	1.812	10.3	19.3
10 8	23 6.26	− 6 46.1	0.882	1.818	15.9	19.6
10 18	23 5.63	− 7 14.4	0.948	1.826	20.6	19.9

485340 2011 BV_{149} 9 11.9 275°.15 1°.1/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.94	+ 0 12.9	2.398	3.244	11.5	22.0
8 19	23 37.90	+ 0 11.8	2.315	3.238	8.7	21.8
8 29	23 31.32	+ 0 1.0	2.256	3.233	5.5	21.6
9 8	23 23.73	− 0 17.2	2.225	3.227	2.1	21.3
9 18	23 15.80	− 0 39.8	2.221	3.221	2.1	21.3
9 28	23 8.29	− 1 3.1	2.247	3.216	5.5	21.5
10 8	23 1.90	− 1 23.2	2.300	3.210	8.7	21.7
10 18	22 57.14	− 1 37.2	2.377	3.204	11.6	21.9

403399 2009 RU_{25} 9 11.9 281°.63 2°.6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.80	−10 45.1	2.355	3.232	10.6	21.0
8 19	23 37.16	−11 26.3	2.271	3.215	7.7	20.8
8 29	23 30.93	−12 11.7	2.213	3.199	4.7	20.6
9 8	23 23.64	−12 56.5	2.181	3.182	2.6	20.4
9 18	23 15.96	−13 35.6	2.178	3.164	4.2	20.5
9 28	23 8.67	−14 4.5	2.204	3.147	7.3	20.6
10 8	23 2.52	−14 20.3	2.254	3.130	10.4	20.8
10 18	22 58.03	−14 21.5	2.328	3.113	13.1	21.0

480387 2015 KS_{48} 9 11.9 37°.47 14°.4/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 40.96	+37 41.7	1.703	2.339	22.8	20.5
8 19	23 37.41	+38 33.1	1.637	2.349	21.1	20.4
8 29	23 31.44	+38 46.1	1.582	2.360	19.2	20.2
9 8	23 23.82	+38 15.4	1.541	2.370	17.2	20.1
9 18	23 15.69	+36 59.4	1.518	2.382	15.5	20.0
9 28	23 8.34	+35 1.6	1.515	2.393	14.5	20.0
10 8	23 2.91	+32 32.3	1.533	2.406	14.6	20.1
10 18	23 0.12	+29 44.9	1.574	2.418	15.6	20.2

171762 2000 YT_{108} 9 11.9 166°.40 4°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.53	+11 53.3	2.333	3.122	13.6	20.5
8 19	23 39.85	+12 4.6	2.252	3.126	11.0	20.3
8 29	23 32.51	+11 58.6	2.193	3.131	8.2	20.2
9 8	23 24.08	+11 35.7	2.160	3.135	5.6	20.0
9 18	23 15.29	+10 58.1	2.155	3.138	4.6	20.0
9 28	23 6.98	+10 10.1	2.178	3.140	6.1	20.1
10 8	22 59.90	+ 9 17.1	2.229	3.142	8.8	20.2
10 18	22 54.61	+ 8 25.0	2.305	3.144	11.5	20.4

516108 2015 UN_{15} 9 11.9 155°.38 3°.9/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.12	−15 53.7	2.390	3.268	10.4	21.7
8 19	23 38.70	−16 34.5	2.329	3.271	7.7	21.6
8 29	23 31.75	−17 14.6	2.293	3.273	5.1	21.4
9 8	23 23.85	−17 49.1	2.285	3.275	3.9	21.3
9 18	23 15.73	−18 13.5	2.305	3.277	5.3	21.4
9 28	23 8.16	−18 24.3	2.353	3.279	7.9	21.6
10 8	23 1.82	−18 20.2	2.426	3.281	10.5	21.8
10 18	22 57.21	−18 1.2	2.522	3.282	12.9	21.9

197901 2004 RK_{38} 9 11.9 290°.40 2°.5/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.21	− 8 3.3	1.606	2.492	14.2	20.2
8 19	23 39.60	− 8 46.6	1.528	2.476	10.4	20.0
8 29	23 32.70	− 9 38.9	1.472	2.460	6.2	19.7
9 8	23 24.21	−10 33.7	1.441	2.444	2.7	19.4
9 18	23 15.11	−11 23.5	1.436	2.428	4.8	19.5
9 28	23 6.59	−12 1.3	1.457	2.413	9.2	19.7
10 8	22 59.75	−12 22.1	1.502	2.397	13.4	20.0
10 18	22 55.33	−12 23.8	1.568	2.382	17.1	20.2

17184 Carlrogers 9 11.9 65°.85 4°.3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.41	+10 49.1	2.160	2.967	13.9	17.5
8 19	23 36.91	+10 51.2	2.086	2.973	11.2	17.4
8 29	23 30.78	+10 35.1	2.034	2.980	8.2	17.2
9 8	23 23.60	+10 2.0	2.006	2.986	5.4	17.0
9 18	23 16.11	+ 9 14.7	2.005	2.993	4.3	17.0
9 28	23 9.12	+ 8 18.3	2.032	2.999	6.0	17.1
10 8	23 3.38	+ 7 19.0	2.085	3.006	8.9	17.3
10 18	22 59.40	+ 6 22.5	2.163	3.013	11.7	17.5

104580 2000 GG_{81} 9 11.9 55°.00 4°.2/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.43	−12 8.6	1.395	2.289	15.4	18.9
8 19	23 41.90	−12 51.3	1.348	2.299	11.3	18.7
8 29	23 33.94	−13 37.2	1.322	2.309	7.0	18.4
9 8	23 24.50	−14 18.3	1.321	2.320	4.2	18.3
9 18	23 14.80	−14 47.3	1.345	2.331	6.2	18.5
9 28	23 6.14	−14 58.6	1.394	2.342	10.3	18.7
10 8	22 59.56	−14 50.3	1.466	2.353	14.2	19.0
10 18	22 55.66	−14 23.2	1.558	2.365	17.5	19.2

303155 2004 EX_{29} 9 11.9 315°.39 0°.5/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.81	− 2 32.5	1.750	2.624	13.8	21.0
8 19	23 36.85	− 3 14.2	1.673	2.615	10.2	20.8
8 29	23 30.93	− 4 9.2	1.619	2.605	6.1	20.5
9 8	23 23.68	− 5 12.1	1.591	2.596	1.7	20.2
9 18	23 15.97	− 6 16.6	1.589	2.587	3.1	20.3
9 28	23 8.79	− 7 15.3	1.613	2.579	7.5	20.5
10 8	23 3.07	− 8 2.1	1.663	2.571	11.6	20.8
10 18	22 59.45	− 8 33.2	1.735	2.563	15.1	21.0

23233 2000 WM_{72} 9 11.9 123°.62 9°.0/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.33	+20 54.6	1.949	2.682	17.6	18.4
8 19	23 45.95	+21 58.6	1.883	2.701	15.2	18.3
8 29	23 36.32	+22 37.8	1.836	2.720	12.6	18.1
9 8	23 25.21	+22 49.3	1.812	2.737	10.2	18.0
9 18	23 13.65	+22 33.0	1.813	2.754	9.0	18.0
9 28	23 2.82	+21 52.6	1.841	2.771	9.5	18.1
10 8	22 53.76	+20 55.6	1.894	2.786	11.3	18.2
10 18	22 47.15	+19 50.6	1.971	2.800	13.5	18.4

203178 2001 AH_{36} 9 11.9 171°.41 2°.9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.12	−11 27.7	2.334	3.207	10.8	21.2
8 19	23 39.47	−12 19.7	2.269	3.211	7.9	21.0
8 29	23 32.24	−13 14.8	2.230	3.214	4.9	20.8
9 8	23 24.02	−14 7.6	2.219	3.217	2.9	20.7
9 18	23 15.52	−14 52.9	2.236	3.219	4.5	20.8
9 28	23 7.57	−15 26.3	2.283	3.220	7.5	21.0
10 8	23 0.87	−15 45.2	2.355	3.221	10.4	21.2
10 18	22 55.93	−15 48.8	2.450	3.221	12.9	21.3

513197 2005 QE_{136} 9 11.9 299°.93 1°.6/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.55	− 5 48.0	1.447	2.333	15.4	21.4
8 19	23 40.11	− 6 18.8	1.367	2.314	11.4	21.1
8 29	23 33.15	− 7 1.3	1.308	2.296	6.8	20.8
9 8	23 24.38	− 7 49.5	1.273	2.278	2.2	20.5
9 18	23 14.89	− 8 36.1	1.264	2.261	4.3	20.6
9 28	23 6.00	− 9 13.3	1.280	2.243	9.3	20.8
10 8	22 58.94	− 9 35.2	1.319	2.226	14.1	21.0
10 18	22 54.54	− 9 38.8	1.378	2.209	18.1	21.3

251384 2007 VJ_{138} 9 11.9 60°.08 5°.7/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.49	+10 27.4	1.219	2.062	20.5	20.0
8 19	23 40.79	+10 35.8	1.168	2.077	16.4	19.8
8 29	23 33.44	+10 15.1	1.134	2.093	11.8	19.6
9 8	23 24.41	+ 9 27.0	1.122	2.109	7.5	19.4
9 18	23 14.99	+ 8 17.3	1.132	2.125	5.8	19.4
9 28	23 6.63	+ 6 56.1	1.168	2.141	8.6	19.6
10 8	23 0.49	+ 5 35.0	1.226	2.158	12.7	19.9
10 18	22 57.24	+ 4 23.3	1.306	2.175	16.6	20.2

40321 1999 LA_{21} 9 11.9 22°.62 2°.0/10.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.21	− 5 11.6	0.907	1.821	19.6	17.4
8 19	23 38.10	− 5 51.2	0.869	1.831	14.4	17.1
8 29	23 31.98	− 6 46.0	0.849	1.843	8.4	16.9
9 8	23 23.99	− 7 46.4	0.850	1.856	2.6	16.6
9 18	23 15.68	− 8 41.3	0.872	1.871	5.1	16.8
9 28	23 8.68	− 9 20.7	0.916	1.887	10.9	17.2
10 8	23 4.22	− 9 38.8	0.980	1.904	16.0	17.5
10 18	23 2.90	− 9 34.1	1.062	1.923	20.2	17.9

95409 2002 CN_{215} 9 11.9 50°.76 0°.5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.27	− 1 0.7	2.019	2.879	12.8	19.8
8 19	23 37.57	− 1 20.3	1.953	2.885	9.5	19.6
8 29	23 31.18	− 1 51.0	1.910	2.892	5.8	19.4
9 8	23 23.74	− 2 29.0	1.894	2.899	1.9	19.1
9 18	23 16.01	− 3 9.9	1.905	2.906	2.3	19.2
9 28	23 8.85	− 3 48.4	1.945	2.913	6.2	19.4
10 8	23 3.04	− 4 19.9	2.010	2.920	9.8	19.7
10 18	22 59.08	− 4 41.3	2.099	2.928	12.8	19.9

218056 2002 ET_{35} 9 11.9 33°.20 1°.2/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.40	+ 0 35.7	1.815	2.675	14.0	20.2
8 19	23 37.81	+ 0 26.3	1.754	2.684	10.5	20.0
8 29	23 31.38	+ 0 3.8	1.715	2.694	6.6	19.8
9 8	23 23.80	− 0 28.5	1.701	2.704	2.5	19.6
9 18	23 15.94	− 1 5.8	1.714	2.714	2.5	19.6
9 28	23 8.74	− 1 42.6	1.754	2.725	6.5	19.9
10 8	23 3.01	− 2 13.8	1.820	2.736	10.2	20.1
10 18	22 59.32	− 2 35.6	1.908	2.748	13.4	20.4

360766 2005 BN_{9} 9 11.9 282°.23 3°.4/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.39	+ 4 26.8	1.801	2.638	15.1	20.7
8 19	23 41.85	+ 4 54.7	1.709	2.622	11.9	20.5
8 29	23 34.06	+ 5 8.2	1.639	2.605	8.2	20.2
9 8	23 24.66	+ 5 7.8	1.594	2.588	4.5	20.0
9 18	23 14.55	+ 4 55.6	1.576	2.572	3.8	19.9
9 28	23 4.89	+ 4 35.7	1.585	2.555	7.2	20.1
10 8	22 56.74	+ 4 13.7	1.620	2.538	11.2	20.3
10 18	22 50.91	+ 3 54.7	1.678	2.521	14.8	20.5

127359 2002 JH_{129} 9 11.9 209°.54 1°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.85	+ 2 11.0	2.658	3.496	10.8	20.7
8 19	23 36.27	+ 1 44.4	2.573	3.491	8.2	20.5
8 29	23 30.33	+ 1 6.6	2.512	3.486	5.2	20.3
9 8	23 23.52	+ 0 20.2	2.479	3.480	2.1	20.1
9 18	23 16.41	− 0 31.1	2.474	3.474	1.9	20.1
9 28	23 9.66	− 1 22.8	2.500	3.468	5.0	20.3
10 8	23 3.87	− 2 10.6	2.553	3.462	8.0	20.5
10 18	22 59.53	− 2 50.9	2.631	3.455	10.7	20.7

89913 2002 EC_{24} 9 11.9 297°.58 0°.1/12.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 34.82	− 2 22.4	4.238	5.087	6.8	20.1
8 19	23 31.43	− 2 45.8	4.153	5.081	5.0	19.9
8 29	23 27.27	− 3 14.3	4.094	5.075	3.0	19.8
9 8	23 22.62	− 3 45.9	4.064	5.069	0.9	19.6
9 18	23 17.82	− 4 18.5	4.064	5.063	1.3	19.6
9 28	23 13.22	− 4 49.8	4.093	5.057	3.5	19.8
10 8	23 9.17	− 5 17.4	4.151	5.051	5.4	20.0
10 18	23 5.96	− 5 39.7	4.236	5.045	7.2	20.1

256204 2006 VY_{94} 9 11.9 208°.42 3°.2/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.00	− 9 39.2	1.700	2.583	13.7	20.9
8 19	23 40.71	−10 36.6	1.633	2.580	10.0	20.7
8 29	23 33.27	−11 40.8	1.589	2.576	6.0	20.4
9 8	23 24.39	−12 44.7	1.571	2.572	3.2	20.3
9 18	23 15.08	−13 40.5	1.580	2.568	5.3	20.4
9 28	23 6.44	−14 21.8	1.616	2.563	9.2	20.6
10 8	22 59.48	−14 44.4	1.676	2.558	13.0	20.8
10 18	22 54.85	−14 47.3	1.757	2.553	16.3	21.0

315882 2008 KL_{7} 9 11.9 159°.14 2°.8/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 40.41	− 9 49.0	2.297	3.177	10.7	21.2
8 19	23 36.09	−10 58.9	2.233	3.179	7.8	21.0
8 29	23 30.27	−12 14.0	2.194	3.180	4.7	20.8
9 8	23 23.51	−13 28.4	2.183	3.182	2.8	20.7
9 18	23 16.46	−14 36.0	2.200	3.184	4.5	20.8
9 28	23 9.89	−15 31.4	2.245	3.185	7.5	21.0
10 8	23 4.48	−16 11.2	2.316	3.186	10.4	21.2
10 18	23 0.71	−16 34.0	2.410	3.187	12.9	21.4

321226 2009 AT_{9} 9 11.9 16°.73 0°.1/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.32	− 2 5.6	1.555	2.430	15.1	20.8
8 19	23 38.82	− 2 26.2	1.491	2.432	11.3	20.6
8 29	23 32.15	− 3 0.0	1.449	2.435	6.8	20.3
9 8	23 24.08	− 3 42.1	1.432	2.438	2.0	20.1
9 18	23 15.61	− 4 26.5	1.441	2.441	3.0	20.1
9 28	23 7.88	− 5 6.5	1.476	2.445	7.7	20.4
10 8	23 1.86	− 5 36.3	1.535	2.449	11.9	20.7
10 18	22 58.20	− 5 52.6	1.616	2.454	15.5	20.9

360168 2013 CN_{87} 9 11.9 290°.59 0°.8/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.18	− 0 7.9	1.853	2.713	13.8	21.4
8 19	23 38.54	− 0 23.7	1.772	2.704	10.4	21.2
8 29	23 31.94	− 0 52.5	1.715	2.695	6.5	20.9
9 8	23 24.03	− 1 31.1	1.682	2.686	2.3	20.6
9 18	23 15.64	− 2 14.7	1.677	2.677	2.5	20.6
9 28	23 7.77	− 2 57.3	1.699	2.669	6.8	20.9
10 8	23 1.32	− 3 33.3	1.747	2.660	10.8	21.1
10 18	22 56.94	− 3 58.7	1.817	2.652	14.2	21.3

31857 2000 EG_{58} 9 11.9 65°.25 1°.4/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.80	− 4 53.1	1.122	2.013	18.6	18.3
8 19	23 43.90	− 5 24.7	1.085	2.034	13.6	18.1
8 29	23 35.21	− 6 8.9	1.068	2.056	7.9	17.9
9 8	23 24.91	− 6 57.8	1.073	2.079	2.3	17.6
9 18	23 14.46	− 7 42.7	1.103	2.101	4.3	17.8
9 28	23 5.39	− 8 15.7	1.157	2.123	9.7	18.2
10 8	22 58.82	− 8 32.0	1.234	2.146	14.4	18.5
10 18	22 55.32	− 8 30.3	1.329	2.168	18.3	18.8

439197 2012 BS_{34} 9 11.9 308°.70 5°.6/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.86	−34 21.1	4.282	5.132	6.8	20.3
8 19	23 33.03	−35 23.9	4.241	5.129	6.0	20.3
8 29	23 28.26	−36 19.2	4.227	5.126	5.6	20.2
9 8	23 22.92	−37 3.5	4.238	5.123	5.9	20.3
9 18	23 17.40	−37 34.5	4.275	5.121	6.6	20.3
9 28	23 12.17	−37 50.4	4.336	5.118	7.6	20.4
10 8	23 7.64	−37 51.2	4.419	5.115	8.6	20.5
10 18	23 4.14	−37 37.4	4.521	5.112	9.6	20.5

521384 2015 ME_{142} 9 11.9 17°.92 0°.3/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.41	− 0 39.5	1.660	2.530	14.6	20.9
8 19	23 37.30	− 1 15.3	1.594	2.532	10.9	20.7
8 29	23 31.20	− 2 5.7	1.551	2.535	6.6	20.5
9 8	23 23.81	− 3 5.8	1.533	2.538	2.0	20.2
9 18	23 16.04	− 4 8.8	1.541	2.541	2.8	20.3
9 28	23 8.93	− 5 7.6	1.575	2.545	7.3	20.5
10 8	23 3.38	− 5 55.7	1.635	2.548	11.4	20.8
10 18	22 59.99	− 6 29.1	1.716	2.553	14.9	21.0

429769 2012 DJ_{76} 9 11.9 249°.48 1°.5/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.94	− 3 29.2	1.473	2.354	15.5	21.7
8 19	23 39.55	− 4 34.8	1.400	2.345	11.4	21.4
8 29	23 32.75	− 5 56.5	1.348	2.336	6.8	21.1
9 8	23 24.30	− 7 27.1	1.321	2.327	2.0	20.8
9 18	23 15.24	− 8 56.8	1.320	2.317	4.2	20.9
9 28	23 6.83	−10 15.8	1.346	2.307	9.2	21.2
10 8	23 0.22	−11 16.3	1.395	2.297	13.8	21.4
10 18	22 56.16	−11 54.4	1.464	2.286	17.7	21.6

512817 2016 UE_{100} 9 11.9 260°.08 1°.6/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.50	− 6 47.2	1.858	2.734	13.0	21.8
8 19	23 39.46	− 7 20.1	1.785	2.728	9.6	21.6
8 29	23 32.47	− 8 0.9	1.735	2.722	5.6	21.3
9 8	23 24.18	− 8 44.4	1.712	2.716	2.0	21.1
9 18	23 15.46	− 9 24.9	1.715	2.710	3.7	21.2
9 28	23 7.34	− 9 56.7	1.747	2.704	7.8	21.4
10 8	23 0.69	−10 15.8	1.803	2.698	11.5	21.6
10 18	22 56.16	−10 20.0	1.881	2.692	14.8	21.8

861 Aïda 9 11.9 32°.01 3°.4/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.45	−11 5.3	1.976	2.863	11.8	14.2
8 19	23 36.30	−12 9.3	1.920	2.869	8.6	14.0
8 29	23 30.46	−13 17.5	1.888	2.875	5.3	13.8
9 8	23 23.58	−14 23.3	1.882	2.881	3.4	13.7
9 18	23 16.42	−15 20.3	1.904	2.887	5.1	13.8
9 28	23 9.87	−16 3.1	1.953	2.894	8.3	14.0
10 8	23 4.66	−16 28.4	2.026	2.900	11.5	14.3
10 18	23 1.31	−16 35.5	2.121	2.908	14.2	14.5

100850 1998 HV_{31} 9 11.9 131°.66 9°.9/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.83	+28 39.5	1.879	2.573	19.3	19.9
8 19	23 39.83	+28 38.2	1.804	2.586	17.1	19.7
8 29	23 32.72	+28 2.9	1.745	2.598	14.6	19.6
9 8	23 24.24	+26 51.5	1.706	2.610	12.1	19.5
9 18	23 15.39	+25 5.8	1.690	2.621	10.3	19.4
9 28	23 7.28	+22 52.7	1.699	2.631	10.0	19.4
10 8	23 0.85	+20 23.4	1.736	2.641	11.3	19.5
10 18	22 56.73	+17 50.4	1.797	2.650	13.5	19.7

317687 2003 OD_5 9 11.9 1°.38 3°.3/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.13	− 9 17.3	1.727	2.621	12.9	19.0
8 19	23 34.85	−10 32.8	1.667	2.620	9.3	18.8
8 29	23 29.72	−11 55.9	1.630	2.619	5.6	18.6
9 8	23 23.39	−13 18.7	1.619	2.619	3.3	18.5
9 18	23 16.71	−14 33.1	1.634	2.620	5.4	18.6
9 28	23 10.65	−15 32.0	1.676	2.622	9.0	18.8
10 8	23 6.02	−16 10.9	1.741	2.624	12.5	19.0
10 18	23 3.41	−16 28.3	1.827	2.627	15.6	19.3

437301 2013 CW_{10} 9 11.9 291°.55 3°.6/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 35.11	−20 24.9	4.228	5.106	6.3	20.5
8 19	23 31.72	−21 42.1	4.164	5.100	4.8	20.3
8 29	23 27.49	−22 57.8	4.129	5.093	3.7	20.3
9 8	23 22.72	−24 8.5	4.123	5.087	3.7	20.3
9 18	23 17.76	−25 10.8	4.147	5.081	4.6	20.3
9 28	23 13.00	−26 2.0	4.198	5.074	6.0	20.4
10 8	23 8.83	−26 40.5	4.276	5.068	7.5	20.5
10 18	23 5.55	−27 5.8	4.376	5.062	8.8	20.6

384633 2011 DU_{41} 9 11.9 244°.42 0°.2/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.69	− 1 43.4	1.785	2.650	14.0	21.6
8 19	23 39.79	− 2 25.3	1.701	2.637	10.5	21.3
8 29	23 32.79	− 3 21.3	1.639	2.623	6.3	21.1
9 8	23 24.31	− 4 26.7	1.603	2.609	1.8	20.7
9 18	23 15.26	− 5 34.9	1.595	2.594	3.0	20.8
9 28	23 6.71	− 6 38.4	1.614	2.579	7.6	21.0
10 8	22 59.66	− 7 30.7	1.659	2.563	11.8	21.3
10 18	22 54.81	− 8 7.4	1.726	2.547	15.4	21.5

181070 2005 QG_{15} 9 11.9 53°.05 0°.5/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.83	+ 0 5.5	1.254	2.133	17.8	20.1
8 19	23 40.09	− 0 30.4	1.212	2.153	13.2	19.9
8 29	23 32.92	− 1 24.3	1.189	2.174	8.0	19.6
9 8	23 24.29	− 2 29.5	1.190	2.195	2.5	19.4
9 18	23 15.45	− 3 37.3	1.215	2.216	3.2	19.5
9 28	23 7.69	− 4 38.6	1.266	2.238	8.3	19.8
10 8	23 2.04	− 5 26.1	1.340	2.260	12.9	20.2
10 18	22 59.08	− 5 56.1	1.435	2.282	16.7	20.5

37189 2000 WJ_{62} 9 11.9 275°.09 2°.8/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.34	− 8 17.0	2.124	3.006	11.4	18.7
8 19	23 35.49	− 9 46.2	2.052	3.000	8.2	18.5
8 29	23 30.02	−11 23.7	2.006	2.994	4.9	18.3
9 8	23 23.49	−13 2.5	1.987	2.987	2.8	18.2
9 18	23 16.59	−14 35.0	1.997	2.981	4.8	18.3
9 28	23 10.14	−15 54.3	2.035	2.975	8.1	18.5
10 8	23 4.88	−16 55.4	2.098	2.969	11.3	18.7
10 18	23 1.37	−17 36.2	2.183	2.963	14.0	18.9

425591 2010 TM_{169} 9 11.9 173°.28 2°.3/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.69	+ 3 42.3	1.608	2.457	16.0	21.6
8 19	23 41.33	+ 3 30.0	1.537	2.459	12.3	21.3
8 29	23 33.70	+ 2 59.6	1.487	2.460	8.1	21.1
9 8	23 24.57	+ 2 14.0	1.462	2.461	3.7	20.8
9 18	23 14.95	+ 1 18.5	1.463	2.462	3.1	20.8
9 28	23 6.03	+ 0 20.5	1.491	2.463	7.3	21.1
10 8	22 58.86	− 0 32.5	1.544	2.462	11.6	21.3
10 18	22 54.13	− 1 15.0	1.620	2.462	15.3	21.5

494565 2017 BD_{12} 9 11.9 223°.12 0°.6/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.95	− 4 23.9	2.717	3.576	9.9	21.7
8 19	23 36.33	− 4 56.5	2.635	3.569	7.3	21.5
8 29	23 30.38	− 5 36.2	2.578	3.563	4.3	21.3
9 8	23 23.57	− 6 19.5	2.550	3.555	1.2	21.1
9 18	23 16.48	− 7 2.6	2.551	3.548	2.3	21.1
9 28	23 9.74	− 7 41.3	2.581	3.540	5.5	21.3
10 8	23 3.96	− 8 12.4	2.638	3.532	8.4	21.5
10 18	22 59.60	− 8 33.4	2.720	3.524	10.9	21.7

10013 Stenholm 9 11.9 237°.53 0°.5/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.42	− 1 23.7	2.017	2.876	12.8	18.5
8 19	23 38.66	− 2 27.6	1.927	2.861	9.5	18.2
8 29	23 32.03	− 3 46.0	1.862	2.845	5.7	18.0
9 8	23 24.10	− 5 13.8	1.823	2.829	1.6	17.7
9 18	23 15.64	− 6 44.1	1.814	2.812	3.0	17.7
9 28	23 7.59	− 8 8.9	1.833	2.794	7.2	18.0
10 8	23 0.84	− 9 21.6	1.879	2.776	11.1	18.2
10 18	22 56.03	−10 17.6	1.948	2.757	14.4	18.4

7025 1993 QA 9 11.9 270°.09 6°.8/ 6.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 48.34	− 4 56.0	0.809	1.721	21.7	20.1
8 19	23 45.28	− 7 45.7	0.724	1.687	16.3	19.6
8 29	23 37.77	−11 26.5	0.658	1.651	10.1	19.1
9 8	23 26.19	−15 42.6	0.613	1.613	6.9	18.8
9 18	23 11.91	−20 3.4	0.590	1.573	12.4	18.9
9 28	22 57.49	−23 51.3	0.588	1.531	20.6	19.1
10 8	22 45.79	−26 40.4	0.603	1.488	28.4	19.3
10 18	22 38.91	−28 23.6	0.629	1.443	35.1	19.5

223272 2003 GC_{33} 9 11.9 291°.18 0°.8/13.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 34.31	+ 2 4.5	4.378	5.209	7.0	20.4
8 19	23 31.06	+ 1 42.4	4.290	5.204	5.3	20.3
8 29	23 27.07	+ 1 13.8	4.227	5.199	3.4	20.1
9 8	23 22.61	+ 0 40.1	4.193	5.193	1.5	20.0
9 18	23 18.00	+ 0 3.5	4.188	5.188	1.2	20.0
9 28	23 13.59	− 0 33.8	4.214	5.183	3.1	20.1
10 8	23 9.69	− 1 9.2	4.268	5.177	5.1	20.2
10 18	23 6.60	− 1 40.8	4.350	5.172	6.8	20.4

353691 2011 UT_{325} 9 11.9 67°.60 0°.4/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.57	− 4 4.2	1.945	2.812	12.9	20.9
8 19	23 39.38	− 4 21.4	1.877	2.814	9.5	20.7
8 29	23 32.35	− 4 47.5	1.832	2.817	5.7	20.5
9 8	23 24.17	− 5 18.4	1.814	2.819	1.6	20.2
9 18	23 15.65	− 5 49.5	1.823	2.822	2.8	20.3
9 28	23 7.74	− 6 15.9	1.860	2.824	6.8	20.6
10 8	23 1.27	− 6 33.5	1.923	2.827	10.5	20.8
10 18	22 56.79	− 6 40.0	2.009	2.830	13.6	21.1

328547 2009 RK_{49} 9 11.9 276°.35 3°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.71	+ 9 59.9	2.386	3.196	12.7	21.5
8 19	23 34.90	+ 9 29.8	2.297	3.190	10.1	21.3
8 29	23 29.63	+ 8 41.6	2.231	3.183	7.2	21.1
9 8	23 23.39	+ 7 37.4	2.190	3.177	4.4	20.9
9 18	23 16.81	+ 6 21.0	2.177	3.170	3.3	20.8
9 28	23 10.61	+ 4 58.1	2.192	3.163	5.4	20.9
10 8	23 5.45	+ 3 35.1	2.236	3.157	8.4	21.1
10 18	23 1.86	+ 2 18.0	2.305	3.150	11.2	21.3

512772 2016 UC_{62} 9 11.9 173°.69 7°.5/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.42	−24 42.2	1.970	2.848	12.3	20.9
8 19	23 42.26	−25 43.7	1.919	2.849	9.8	20.7
8 29	23 34.07	−26 37.5	1.893	2.850	7.9	20.6
9 8	23 24.65	−27 15.9	1.892	2.851	7.6	20.6
9 18	23 14.96	−27 33.3	1.917	2.851	9.0	20.7
9 28	23 6.08	−27 26.6	1.967	2.852	11.4	20.8
10 8	22 58.89	−26 56.4	2.040	2.852	13.9	21.0
10 18	22 53.95	−26 5.5	2.132	2.852	16.1	21.2

448066 2008 GY_{51} 9 11.9 62°.43 1°.1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.19	− 5 28.6	1.969	2.841	12.5	21.2
8 19	23 38.21	− 6 2.5	1.918	2.859	9.1	21.0
8 29	23 31.56	− 6 44.1	1.890	2.877	5.3	20.8
9 8	23 23.92	− 7 28.4	1.889	2.894	1.6	20.6
9 18	23 16.09	− 8 10.1	1.916	2.912	3.1	20.7
9 28	23 8.95	− 8 44.3	1.970	2.930	6.8	21.0
10 8	23 3.22	− 9 7.3	2.050	2.948	10.2	21.3
10 18	22 59.39	− 9 17.3	2.153	2.966	13.1	21.5

101492 1998 XT_1 9 11.9 313°.05 4°.3/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 34.81	+20 58.5	4.272	4.983	9.0	19.3
8 19	23 31.50	+20 55.4	4.175	4.979	7.7	19.2
8 29	23 27.37	+20 39.1	4.099	4.976	6.4	19.1
9 8	23 22.72	+20 10.1	4.048	4.972	5.1	19.0
9 18	23 17.89	+19 29.3	4.024	4.969	4.4	19.0
9 28	23 13.27	+18 38.8	4.028	4.965	4.5	19.0
10 8	23 9.22	+17 41.7	4.060	4.962	5.5	19.1
10 18	23 6.06	+16 41.4	4.119	4.959	6.8	19.2

482624 2013 AR_{53} 9 11.9 300°.28 4°.0/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.13	+ 5 9.0	1.745	2.582	15.5	21.1
8 19	23 41.78	+ 5 46.4	1.652	2.563	12.3	20.9
8 29	23 34.12	+ 6 9.1	1.581	2.545	8.6	20.6
9 8	23 24.76	+ 6 17.2	1.534	2.526	5.1	20.4
9 18	23 14.65	+ 6 12.1	1.513	2.508	4.3	20.3
9 28	23 4.97	+ 5 57.5	1.520	2.490	7.4	20.4
10 8	22 56.83	+ 5 39.0	1.552	2.472	11.4	20.6
10 18	22 51.06	+ 5 22.0	1.606	2.454	15.1	20.8

518285 2017 AG_6 9 11.9 195°.35 6°.1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.82	−24 28.9	2.711	3.588	9.4	21.9
8 19	23 37.04	−25 48.9	2.658	3.586	7.5	21.7
8 29	23 30.83	−27 3.7	2.631	3.584	6.2	21.7
9 8	23 23.72	−28 7.4	2.631	3.581	6.3	21.7
9 18	23 16.35	−28 55.1	2.659	3.579	7.5	21.7
9 28	23 9.44	−29 23.6	2.712	3.576	9.4	21.9
10 8	23 3.61	−29 31.9	2.789	3.573	11.3	22.0
10 18	22 59.36	−29 21.1	2.886	3.569	13.0	22.1

262278 2006 SZ_{360} 9 11.9 31°.99 1°.9/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.62	− 7 0.2	1.842	2.722	12.9	21.0
8 19	23 38.02	− 7 42.2	1.779	2.725	9.4	20.8
8 29	23 31.58	− 8 32.0	1.740	2.728	5.5	20.5
9 8	23 23.96	− 9 23.8	1.727	2.731	2.1	20.3
9 18	23 16.02	−10 11.5	1.741	2.734	3.9	20.4
9 28	23 8.71	−10 49.3	1.781	2.738	7.7	20.7
10 8	23 2.87	−11 13.4	1.847	2.742	11.3	20.9
10 18	22 59.06	−11 21.7	1.935	2.746	14.4	21.1

439540 2014 DZ_1 9 11.9 160°.05 5°.2/17.2 18

8 9	23 46.12	+12 23.3	2.150	2.940	14.5	21.5
8 19	23 40.48	+12 44.6	2.071	2.945	11.9	21.3
8 29	23 33.03	+12 47.4	2.014	2.949	9.0	21.2
9 8	23 24.39	+12 31.6	1.981	2.953	6.3	21.0
9 18	23 15.34	+11 59.3	1.976	2.956	5.2	21.0
9 28	23 6.80	+11 14.7	1.998	2.959	6.7	21.1
10 8	22 59.60	+10 23.7	2.047	2.962	9.4	21.2
10 18	22 54.35	+ 9 32.6	2.121	2.964	12.2	21.4

268924 2007 CO_{51} 9 11.9 300°.43 1°.7/10.6 18

8 9	23 43.32	− 5 3.8	1.413	2.301	15.6	20.3
8 19	23 39.29	− 5 46.9	1.333	2.282	11.6	20.0
8 29	23 32.74	− 6 43.9	1.275	2.264	6.9	19.7
9 8	23 24.39	− 7 48.2	1.240	2.245	2.2	19.4
9 18	23 15.28	− 8 51.7	1.230	2.227	4.4	19.5
9 28	23 6.77	− 9 45.2	1.246	2.209	9.5	19.7
10 8	23 0.08	−10 21.9	1.284	2.192	14.3	20.0
10 18	22 56.06	−10 38.0	1.342	2.174	18.5	20.2

418884 2008 YW_{99} 9 11.9 322°.68 4°.2/ 8.8 17

8 9	23 43.39	− 8 50.7	1.131	2.037	17.3	21.1
8 19	23 39.69	−10 2.2	1.071	2.029	12.7	20.8
8 29	23 33.08	−11 25.9	1.030	2.022	7.7	20.5
9 8	23 24.48	−12 51.1	1.012	2.014	4.2	20.3
9 18	23 15.21	−14 5.7	1.018	2.008	6.9	20.5
9 28	23 6.85	−14 59.0	1.046	2.002	12.0	20.7
10 8	23 0.77	−15 25.0	1.095	1.996	16.8	21.0
10 18	22 57.77	−15 23.0	1.162	1.991	21.0	21.3

275696 2000 SF_{361} 9 11.9 336°.78 4°.3/ 7.9 17

8 9	23 38.43	−11 7.7	1.476	2.380	14.1	20.4
8 19	23 35.51	−12 17.5	1.405	2.362	10.4	20.2
8 29	23 30.36	−13 35.3	1.356	2.345	6.5	19.9
9 8	23 23.68	−14 52.2	1.331	2.330	4.3	19.7
9 18	23 16.42	−15 58.8	1.331	2.315	6.7	19.8
9 28	23 9.78	−16 47.0	1.356	2.302	10.7	20.0
10 8	23 4.80	−17 11.6	1.402	2.289	14.7	20.3
10 18	23 2.22	−17 11.4	1.467	2.278	18.2	20.5

426144 2012 HK_{33} 9 11.9 163°.38 13°.6/ 1.7 18

8 9	23 59.65	−38 7.3	1.560	2.409	16.4	20.6
8 19	23 51.15	−39 19.6	1.525	2.411	14.7	20.4
8 29	23 39.57	−40 8.5	1.510	2.412	13.7	20.4
9 8	23 26.22	−40 23.2	1.518	2.413	13.8	20.4
9 18	23 12.76	−39 58.0	1.547	2.414	15.1	20.5
9 28	23 0.90	−38 53.1	1.597	2.415	16.9	20.6
10 8	22 51.88	−37 14.7	1.667	2.416	19.0	20.8
10 18	22 46.28	−35 11.2	1.753	2.417	20.8	21.0

388938 2008 SA_{256} 9 11.9 258°.20 4°.2/ 8.9 18

8 9	23 50.21	−14 24.0	1.703	2.585	13.7	20.9
8 19	23 43.82	−14 47.4	1.638	2.582	10.2	20.7
8 29	23 35.14	−15 11.0	1.595	2.579	6.5	20.5
9 8	23 25.01	−15 28.5	1.579	2.575	4.2	20.3
9 18	23 14.47	−15 34.5	1.589	2.572	5.9	20.4
9 28	23 4.75	−15 24.8	1.627	2.569	9.6	20.6
10 8	22 56.87	−14 58.3	1.688	2.566	13.2	20.9
10 18	22 51.47	−14 16.0	1.771	2.562	16.3	21.1

485277 2010 XR_{34} 9 11.9 248°.35 5°.0/ 5.3 18

8 9	23 42.54	−19 43.1	2.628	3.507	9.5	21.8
8 19	23 37.64	−20 48.1	2.555	3.492	7.3	21.6
8 29	23 31.25	−21 51.5	2.507	3.477	5.5	21.4
9 8	23 23.88	−22 47.6	2.488	3.461	5.0	21.4
9 18	23 16.16	−23 31.1	2.496	3.446	6.4	21.5
9 28	23 8.84	−23 58.4	2.531	3.429	8.7	21.6
10 8	23 2.59	−24 7.6	2.591	3.413	11.0	21.7
10 18	22 57.93	−23 58.9	2.673	3.396	13.1	21.9

81185 2000 EM_{186} 9 11.9 100°.82 1°.3/10.8 18

8 9	23 45.37	− 4 19.1	1.588	2.464	14.8	20.2
8 19	23 40.23	− 5 8.1	1.532	2.475	10.8	20.0
8 29	23 32.96	− 6 8.5	1.499	2.486	6.3	19.7
9 8	23 24.37	− 7 13.9	1.491	2.497	1.9	19.5
9 18	23 15.47	− 8 16.5	1.511	2.508	3.7	19.6
9 28	23 7.39	− 9 9.2	1.556	2.518	8.2	19.9
10 8	23 1.06	− 9 46.7	1.627	2.528	12.2	20.2
10 18	22 57.08	−10 6.7	1.719	2.538	15.6	20.5

508831 2001 UE 9 11.9 298°.60 2°.2/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.91	− 6 7.7	1.487	2.375	15.0	21.3
8 19	23 38.89	− 6 58.6	1.406	2.356	11.1	21.0
8 29	23 32.46	− 8 2.4	1.347	2.336	6.6	20.7
9 8	23 24.31	− 9 12.0	1.312	2.317	2.4	20.4
9 18	23 15.45	−10 19.1	1.303	2.298	4.7	20.5
9 28	23 7.14	−11 14.8	1.319	2.279	9.5	20.7
10 8	23 0.57	−11 52.6	1.359	2.260	14.1	20.9
10 18	22 56.54	−12 9.0	1.418	2.242	18.1	21.1

262622 2006 WU_2 9 11.9 12°.76 0°.3/11.6 18

8 9	23 41.56	− 2 20.6	1.982	2.848	12.7	20.8
8 19	23 37.18	− 2 58.8	1.911	2.848	9.4	20.6
8 29	23 31.06	− 3 48.4	1.864	2.848	5.6	20.4
9 8	23 23.84	− 4 44.6	1.843	2.849	1.5	20.1
9 18	23 16.26	− 5 41.8	1.850	2.849	2.7	20.2
9 28	23 9.23	− 6 34.1	1.885	2.850	6.7	20.5
10 8	23 3.53	− 7 16.4	1.945	2.850	10.3	20.7
10 18	22 59.70	− 7 45.3	2.029	2.851	13.4	20.9

476793 2008 UV_{156} 9 11.9 326°.38 4°.7/ 8.4 16

8 9	23 43.17	−12 27.6	1.330	2.232	15.4	21.2
8 19	23 39.29	−13 13.9	1.258	2.214	11.4	20.9
8 29	23 32.78	−14 5.6	1.207	2.196	7.3	20.6
9 8	23 24.41	−14 54.1	1.179	2.178	4.7	20.5
9 18	23 15.34	−15 30.6	1.176	2.162	7.0	20.5
9 28	23 6.98	−15 47.6	1.196	2.146	11.4	20.8
10 8	23 0.61	−15 41.3	1.238	2.132	15.8	21.0
10 18	22 57.04	−15 11.7	1.298	2.118	19.7	21.2

235735 2004 TU_{244} 9 11.9 327°.93 1°.4/13.1 18

8 9	23 42.65	+ 1 8.6	1.477	2.346	16.1	20.5
8 19	23 38.59	+ 0 54.1	1.403	2.338	12.3	20.2
8 29	23 32.20	+ 0 22.2	1.349	2.330	7.8	19.9
9 8	23 24.22	− 0 23.2	1.320	2.323	3.0	19.6
9 18	23 15.65	− 1 16.4	1.315	2.316	2.9	19.6
9 28	23 7.73	− 2 9.5	1.336	2.310	7.8	19.9
10 8	23 1.56	− 2 55.1	1.381	2.304	12.4	20.2
10 18	22 57.87	− 3 27.8	1.448	2.298	16.4	20.4

448635 2010 VP_{52} 9 11.9 271°.08 2°.6/15.1 18

8 9	23 40.49	+ 6 57.9	2.383	3.205	12.3	22.0
8 19	23 36.30	+ 6 36.6	2.283	3.186	9.7	21.7
8 29	23 30.54	+ 5 59.4	2.206	3.167	6.7	21.5
9 8	23 23.70	+ 5 8.1	2.155	3.148	3.7	21.3
9 18	23 16.42	+ 4 6.1	2.132	3.129	2.8	21.2
9 28	23 9.45	+ 2 58.7	2.138	3.109	5.5	21.4
10 8	23 3.51	+ 1 51.8	2.172	3.089	8.7	21.5
10 18	22 59.18	+ 0 50.8	2.230	3.069	11.8	21.7

24658 Misch 9 11.9 351°.43 12°.8/28.1 18

8 9	23 27.49	+31 7.7	1.079	1.843	27.3	16.9
8 19	23 28.16	+30 54.1	1.002	1.831	24.7	16.7
8 29	23 26.27	+29 41.0	0.936	1.821	21.5	16.4
9 8	23 22.56	+27 20.6	0.884	1.813	17.8	16.2
9 18	23 18.18	+23 52.8	0.851	1.807	14.3	15.9
9 28	23 14.58	+19 30.3	0.839	1.803	12.8	15.9
10 8	23 13.06	+14 39.6	0.851	1.802	14.3	15.9
10 18	23 14.41	+ 9 52.3	0.887	1.802	17.9	16.2

248577 2006 BB_{63} 9 11.9 143°.28 4°.9/17.8 18

8 9	23 44.79	+14 6.5	2.335	3.112	13.9	21.4
8 19	23 39.32	+14 3.8	2.260	3.125	11.4	21.2
8 29	23 32.25	+13 41.7	2.207	3.136	8.6	21.1
9 8	23 24.17	+13 1.1	2.179	3.147	6.0	21.0
9 18	23 15.79	+12 4.7	2.178	3.158	4.9	20.9
9 28	23 7.94	+10 57.5	2.206	3.168	6.1	21.0
10 8	23 1.32	+ 9 45.9	2.262	3.177	8.6	21.2
10 18	22 56.47	+ 8 36.0	2.343	3.185	11.2	21.4

27791 Masaru 9 11.9 199°.77 1°.8/10.6 18

8 9	23 48.94	− 6 27.6	1.428	2.309	15.9	17.5
8 19	23 43.24	− 6 59.6	1.363	2.308	11.7	17.2
8 29	23 34.98	− 7 41.7	1.319	2.306	6.9	16.9
9 8	23 25.01	− 8 27.4	1.299	2.304	2.3	16.6
9 18	23 14.51	− 9 9.4	1.306	2.302	4.4	16.8
9 28	23 4.86	− 9 40.4	1.339	2.300	9.3	17.1
10 8	22 57.24	− 9 55.7	1.395	2.297	13.8	17.3
10 18	22 52.38	− 9 53.4	1.472	2.294	17.6	17.6

380791 2005 WV_{38} 9 11.9 2°.36 6°.5/ 7.1 18

8 9	23 33.79	−12 27.6	0.861	1.796	18.2	18.6
8 19	23 32.94	−13 49.7	0.820	1.792	13.4	18.3
8 29	23 29.12	−15 18.6	0.797	1.790	8.7	18.1
9 8	23 23.36	−16 40.1	0.793	1.791	6.5	18.0
9 18	23 17.09	−17 40.6	0.810	1.795	9.4	18.1
9 28	23 11.93	−18 10.2	0.846	1.801	14.1	18.4
10 8	23 9.16	−18 5.6	0.900	1.810	18.7	18.7
10 18	23 9.43	−17 29.1	0.970	1.820	22.5	19.0

43543 2001 FB_3 9 11.9 63°.72 0°.7/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.54	+ 1 33.1	2.193	3.045	12.2	18.7
8 19	23 35.52	+ 0 47.9	2.126	3.053	9.1	18.5
8 29	23 29.99	− 0 10.4	2.082	3.060	5.7	18.3
9 8	23 23.53	− 1 17.8	2.065	3.068	2.0	18.0
9 18	23 16.80	− 2 29.0	2.076	3.076	2.1	18.1
9 28	23 10.57	− 3 37.8	2.115	3.084	5.7	18.3
10 8	23 5.51	− 4 38.9	2.182	3.092	9.1	18.6
10 18	23 2.11	− 5 28.2	2.272	3.100	12.0	18.8

479145 2013 BP_{65} 9 11.9 264°.82 3°.5/15.4 16

8 9	23 44.18	+ 7 37.9	2.135	2.954	13.7	21.9
8 19	23 39.23	+ 7 41.9	2.035	2.934	10.9	21.7
8 29	23 32.43	+ 7 29.6	1.957	2.914	7.7	21.4
9 8	23 24.29	+ 7 1.7	1.905	2.894	4.7	21.2
9 18	23 15.56	+ 6 20.8	1.879	2.873	3.7	21.1
9 28	23 7.17	+ 5 31.7	1.882	2.852	6.3	21.2
10 8	22 59.98	+ 4 40.2	1.912	2.830	9.7	21.4
10 18	22 54.68	+ 3 52.1	1.966	2.808	13.0	21.6

171531 1999 JR_{114} 9 11.9 95°.08 3°.4/14.9 17

8 9	23 48.18	+ 7 2.7	1.495	2.333	17.6	20.6
8 19	23 42.33	+ 6 46.3	1.444	2.356	13.6	20.4
8 29	23 34.22	+ 6 7.7	1.413	2.379	9.2	20.2
9 8	23 24.74	+ 5 10.4	1.406	2.401	4.9	20.1
9 18	23 15.02	+ 4 0.7	1.425	2.422	3.7	20.0
9 28	23 6.28	+ 2 47.3	1.471	2.443	7.3	20.3
10 8	22 59.48	+ 1 38.7	1.542	2.464	11.4	20.6
10 18	22 55.23	+ 0 41.3	1.636	2.484	14.9	20.9

189615 2001 AF_{25} 9 11.9 301°.11 3°.0/ 9.5 18

8 9	23 44.25	− 9 11.6	1.585	2.473	14.2	19.2
8 19	23 39.81	− 9 53.6	1.501	2.450	10.5	18.9
8 29	23 33.00	−10 44.0	1.439	2.427	6.4	18.6
9 8	23 24.49	−11 36.0	1.402	2.404	3.1	18.3
9 18	23 15.26	−12 22.0	1.391	2.382	5.2	18.4
9 28	23 6.56	−12 54.8	1.405	2.359	9.7	18.6
10 8	22 59.53	−13 9.6	1.443	2.337	14.0	18.8
10 18	22 54.97	−13 4.5	1.501	2.315	17.7	19.0

25668 2000 AY_{94} 9 11.9 236°.44 0°.1/11.9 18

8 9	23 40.91	− 2 6.2	2.612	3.466	10.4	19.4
8 19	23 36.39	− 2 37.2	2.527	3.458	7.7	19.3
8 29	23 30.49	− 3 17.1	2.467	3.449	4.7	19.1
9 8	23 23.69	− 4 2.7	2.434	3.440	1.3	18.8
9 18	23 16.56	− 4 49.8	2.431	3.430	2.1	18.8
9 28	23 9.79	− 5 34.3	2.457	3.421	5.4	19.1
10 8	23 4.01	− 6 12.1	2.510	3.411	8.5	19.2
10 18	22 59.68	− 6 40.3	2.588	3.401	11.1	19.4

38599 1999 XC_{210} 9 11.9 280°.57 2°.7/ 6.7 18

8 9	23 37.02	−17 50.3	4.319	5.193	6.2	19.0
8 19	23 33.06	−18 19.6	4.249	5.187	4.6	18.9
8 29	23 28.29	−18 47.7	4.205	5.180	3.2	18.8
9 8	23 23.03	−19 12.1	4.190	5.173	2.7	18.8
9 18	23 17.63	−19 30.4	4.204	5.166	3.6	18.8
9 28	23 12.46	−19 40.8	4.247	5.160	5.1	18.9
10 8	23 7.89	−19 42.2	4.317	5.153	6.7	19.0
10 18	23 4.21	−19 34.1	4.411	5.146	8.1	19.1

354009 2001 DF_{80} 9 11.9 149°.76 3°.8/ 7.6 17

8 9	23 46.46	− 4 27.7	1.536	2.412	15.2	22.0
8 19	23 41.25	− 7 24.5	1.477	2.423	10.9	21.8
8 29	23 33.72	−10 38.9	1.444	2.432	6.4	21.5
9 8	23 24.66	−13 56.1	1.441	2.441	3.8	21.4
9 18	23 15.15	−16 59.9	1.469	2.449	6.7	21.6
9 28	23 6.42	−19 36.1	1.525	2.456	11.0	21.9
10 8	22 59.52	−21 37.1	1.607	2.462	14.9	22.1
10 18	22 55.13	−23 1.2	1.709	2.467	18.1	22.4

88015 2000 UC_{61} 9 11.9 224°.88 2°.2/ 9.7 18

8 9	23 45.05	−10 10.8	2.384	3.254	10.7	19.1
8 19	23 39.52	−10 37.0	2.308	3.248	7.8	18.9
8 29	23 32.40	−11 6.5	2.257	3.242	4.7	18.7
9 8	23 24.26	−11 35.3	2.234	3.235	2.3	18.6
9 18	23 15.79	−11 59.0	2.239	3.229	3.7	18.6
9 28	23 7.80	−12 13.9	2.273	3.221	6.9	18.8
10 8	23 1.00	−12 17.6	2.334	3.214	9.9	19.0
10 18	22 55.91	−12 8.9	2.418	3.207	12.6	19.2

422696 2000 KB_{40} 9 11.9 58°.37 5°.4/ 8.5 17

8 9	23 49.27	−12 56.6	1.109	2.013	17.7	20.7
8 19	23 43.68	−13 54.3	1.073	2.029	13.0	20.5
8 29	23 35.22	−14 54.6	1.057	2.045	8.2	20.2
9 8	23 25.06	−15 46.7	1.064	2.062	5.4	20.1
9 18	23 14.72	−16 21.4	1.095	2.079	7.7	20.3
9 28	23 5.76	−16 32.6	1.148	2.096	12.0	20.6
10 8	22 59.35	−16 19.3	1.223	2.114	16.2	20.9
10 18	22 56.07	−15 43.6	1.316	2.131	19.7	21.2

513872 2013 JZ_{40} 9 11.9 143°.80 0°.3/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 39.54	− 1 36.2	2.500	3.357	10.7	21.5
8 19	23 35.39	− 2 33.6	2.428	3.361	7.9	21.3
8 29	23 29.89	− 3 41.1	2.382	3.365	4.7	21.1
9 8	23 23.54	− 4 54.4	2.364	3.369	1.3	20.9
9 18	23 16.93	− 6 8.4	2.375	3.373	2.3	21.0
9 28	23 10.75	− 7 17.5	2.415	3.377	5.6	21.2
10 8	23 5.58	− 8 17.1	2.482	3.380	8.7	21.4
10 18	23 1.90	− 9 4.1	2.574	3.384	11.3	21.6

321332 2009 HF_{90} 9 11.9 186°.11 1°.5/13.3 17

8 9	23 45.86	+ 2 57.5	1.635	2.487	15.7	21.3
8 19	23 40.75	+ 2 21.5	1.562	2.487	11.9	21.1
8 29	23 33.42	+ 1 26.7	1.510	2.487	7.6	20.8
9 8	23 24.60	+ 0 17.3	1.484	2.486	3.0	20.5
9 18	23 15.30	− 1 0.0	1.484	2.485	2.8	20.5
9 28	23 6.65	− 2 16.7	1.512	2.483	7.3	20.8
10 8	22 59.70	− 3 24.8	1.565	2.480	11.7	21.1
10 18	22 55.11	− 4 18.6	1.641	2.477	15.4	21.3

239085 2006 GZ_{53} 9 11.9 201°.86 0°.4/11.5 18

8 9	23 43.52	− 2 32.0	1.921	2.786	13.1	20.9
8 19	23 38.72	− 3 12.7	1.848	2.785	9.7	20.7
8 29	23 32.06	− 4 5.1	1.798	2.783	5.8	20.5
9 8	23 24.19	− 5 4.4	1.775	2.780	1.6	20.2
9 18	23 15.93	− 6 4.6	1.779	2.778	2.8	20.3
9 28	23 8.22	− 6 59.3	1.811	2.775	7.0	20.5
10 8	23 1.91	− 7 43.2	1.869	2.772	10.8	20.8
10 18	22 57.60	− 8 12.9	1.950	2.769	14.0	21.0

68197 2001 BU_{65} 9 11.9 88°.31 5°.7/18.5 18

8 9	23 45.02	+15 10.7	2.405	3.173	13.8	18.8
8 19	23 39.49	+15 43.9	2.334	3.188	11.4	18.7
8 29	23 32.38	+15 59.3	2.285	3.202	9.0	18.5
9 8	23 24.26	+15 56.3	2.260	3.216	6.8	18.4
9 18	23 15.84	+15 36.3	2.262	3.230	5.7	18.4
9 28	23 7.92	+15 2.8	2.292	3.244	6.6	18.5
10 8	23 1.22	+14 20.7	2.349	3.258	8.6	18.6
10 18	22 56.24	+13 35.8	2.431	3.272	10.9	18.8

174630 2003 SJ_{93} 9 11.9 313°.46 0°.4/11.7 18

8 9	23 46.34	− 4 8.4	1.244	2.131	17.3	19.4
8 19	23 41.83	− 4 13.9	1.169	2.117	13.0	19.1
8 29	23 34.43	− 4 32.4	1.115	2.102	7.9	18.8
9 8	23 24.97	− 4 59.0	1.083	2.089	2.2	18.4
9 18	23 14.69	− 5 27.1	1.075	2.075	3.8	18.5
9 28	23 5.16	− 5 49.3	1.092	2.062	9.5	18.8
10 8	22 57.77	− 5 59.6	1.131	2.050	14.8	19.1
10 18	22 53.42	− 5 54.3	1.189	2.039	19.2	19.3

291026 2005 YQ_{28} 9 11.9 200°.57 0°.2/11.7 18

8 9	23 41.41	− 2 52.8	2.653	3.508	10.3	22.1
8 19	23 36.71	− 3 24.1	2.574	3.505	7.6	21.9
8 29	23 30.68	− 4 3.5	2.520	3.502	4.5	21.7
9 8	23 23.77	− 4 47.6	2.493	3.499	1.3	21.5
9 18	23 16.59	− 5 32.5	2.496	3.495	2.1	21.6
9 28	23 9.79	− 6 14.0	2.529	3.491	5.4	21.8
10 8	23 3.97	− 6 48.5	2.589	3.487	8.3	22.0
10 18	22 59.60	− 7 13.2	2.673	3.483	10.9	22.1

514878 2008 HP_{58} 9 11.9 164°.38 0°.4/12.4 18

8 9	23 42.25	− 0 36.7	2.792	3.636	10.1	23.4
8 19	23 37.23	− 1 6.7	2.718	3.641	7.5	23.2
8 29	23 30.93	− 1 45.6	2.668	3.646	4.6	23.0
9 8	23 23.84	− 2 30.2	2.647	3.651	1.5	22.8
9 18	23 16.51	− 3 17.1	2.655	3.655	1.8	22.9
9 28	23 9.58	− 4 2.1	2.693	3.658	4.9	23.1
10 8	23 3.62	− 4 41.4	2.760	3.661	7.8	23.3
10 18	22 59.06	− 5 12.4	2.851	3.664	10.2	23.5

94239 2001 CT_6 9 11.9 146°.42 1°.9/13.9 18

8 9	23 44.91	+ 2 41.3	2.510	3.341	11.5	19.3
8 19	23 39.32	+ 2 48.5	2.434	3.345	8.8	19.2
8 29	23 32.25	+ 2 45.3	2.381	3.350	5.8	19.0
9 8	23 24.23	+ 2 33.3	2.356	3.354	2.8	18.8
9 18	23 15.93	+ 2 15.0	2.360	3.358	2.3	18.8
9 28	23 8.08	+ 1 53.9	2.393	3.362	5.2	19.0
10 8	23 1.35	+ 1 33.7	2.454	3.365	8.2	19.2
10 18	22 56.23	+ 1 17.6	2.540	3.369	10.9	19.3

256773 2008 CP_1 9 11.9 157°.31 2°.8/ 9.5 17

8 9	23 48.64	− 9 24.1	1.804	2.679	13.4	21.1
8 19	23 42.52	−10 11.0	1.744	2.686	9.8	20.9
8 29	23 34.34	−11 3.7	1.707	2.693	5.9	20.7
9 8	23 24.86	−11 55.5	1.696	2.698	2.9	20.5
9 18	23 15.07	−12 40.0	1.714	2.703	4.7	20.6
9 28	23 6.02	−13 11.5	1.759	2.708	8.5	20.9
10 8	22 58.65	−13 27.0	1.830	2.711	12.1	21.1
10 18	22 53.55	−13 25.5	1.922	2.715	15.2	21.3

57473 2001 SE_{127} 9 11.9 280°.97 0°.9/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.61	+ 1 28.4	1.579	2.444	15.5	19.6
8 19	23 38.49	+ 0 50.3	1.501	2.435	11.8	19.3
8 29	23 32.16	− 0 6.3	1.445	2.426	7.4	19.1
9 8	23 24.30	− 1 16.9	1.413	2.417	2.6	18.7
9 18	23 15.87	− 2 34.5	1.407	2.408	2.8	18.7
9 28	23 8.02	− 3 50.3	1.428	2.399	7.6	19.0
10 8	23 1.80	− 4 56.1	1.473	2.390	12.1	19.3
10 18	22 57.94	− 5 46.3	1.540	2.381	16.0	19.5

112067 2002 JD_{17} 9 11.9 172°.48 3°.2/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.71	− 8 52.0	1.642	2.524	14.1	19.7
8 19	23 41.33	−10 1.8	1.580	2.527	10.3	19.5
8 29	23 33.75	−11 19.6	1.542	2.529	6.2	19.2
9 8	23 24.73	−12 37.4	1.529	2.531	3.3	19.1
9 18	23 15.31	−13 46.7	1.544	2.532	5.4	19.2
9 28	23 6.63	−14 40.2	1.586	2.532	9.4	19.4
10 8	22 59.70	−15 13.4	1.651	2.532	13.2	19.7
10 18	22 55.15	−15 25.2	1.738	2.532	16.5	19.9

395398 2011 SV_{109} 9 11.9 315°.97 0°.8/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.78	− 3 15.9	1.593	2.474	14.5	21.1
8 19	23 37.19	− 3 57.8	1.510	2.455	10.8	20.8
8 29	23 31.42	− 4 53.9	1.450	2.437	6.5	20.5
9 8	23 24.11	− 5 58.8	1.414	2.419	1.8	20.2
9 18	23 16.18	− 7 5.2	1.404	2.402	3.5	20.3
9 28	23 8.77	− 8 5.0	1.419	2.385	8.3	20.5
10 8	23 2.91	− 8 51.1	1.459	2.369	12.7	20.7
10 18	22 59.36	− 9 19.5	1.520	2.354	16.6	21.0

211849 2004 FS_{121} 9 11.9 220°.83 0°.6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.21	+ 1 16.7	2.179	3.029	12.3	20.9
8 19	23 36.88	+ 0 31.3	2.098	3.024	9.3	20.7
8 29	23 30.93	− 0 28.0	2.041	3.019	5.8	20.5
9 8	23 23.92	− 1 37.1	2.010	3.014	2.0	20.2
9 18	23 16.53	− 2 50.8	2.008	3.009	2.2	20.3
9 28	23 9.58	− 4 2.6	2.035	3.003	6.0	20.5
10 8	23 3.82	− 5 6.6	2.089	2.997	9.5	20.7
10 18	22 59.78	− 5 58.5	2.166	2.991	12.6	20.9

215325 2001 TG_{204} 9 11.9 316°.54 4°.8/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.34	−15 48.4	1.820	2.708	12.7	20.1
8 19	23 40.21	−16 32.8	1.755	2.701	9.5	19.9
8 29	23 33.04	−17 17.3	1.713	2.695	6.3	19.7
9 8	23 24.54	−17 55.1	1.697	2.688	4.8	19.6
9 18	23 15.66	−18 20.0	1.707	2.682	6.5	19.7
9 28	23 7.44	−18 27.3	1.744	2.676	9.8	19.9
10 8	23 0.80	−18 15.5	1.804	2.670	13.0	20.1
10 18	22 56.38	−17 45.0	1.884	2.664	15.9	20.3

7568 1988 VJ_{2} 9 11.9 327°.79 3°.7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.68	+ 5 31.9	1.179	2.056	18.8	18.1
8 19	23 34.95	+ 5 29.0	1.085	2.020	15.0	17.7
8 29	23 30.52	+ 4 59.2	1.009	1.986	10.4	17.4
9 8	23 23.98	+ 4 3.1	0.954	1.953	5.5	17.0
9 18	23 16.33	+ 2 45.4	0.921	1.921	4.2	16.8
9 28	23 9.06	+ 1 16.1	0.910	1.890	9.1	17.0
10 8	23 3.67	− 0 11.8	0.920	1.861	14.8	17.2
10 18	23 1.28	− 1 26.6	0.950	1.834	20.0	17.4

518009 2015 VL_{55} 9 11.9 324°.93 3°.0/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.80	+ 7 41.6	1.944	2.778	14.3	20.9
8 19	23 35.34	+ 7 13.4	1.859	2.768	11.2	20.7
8 29	23 30.12	+ 6 25.2	1.796	2.759	7.8	20.4
9 8	23 23.72	+ 5 19.6	1.757	2.751	4.3	20.2
9 18	23 16.87	+ 4 1.4	1.745	2.742	3.2	20.1
9 28	23 10.48	+ 2 37.5	1.760	2.734	6.2	20.3
10 8	23 5.34	+ 1 15.8	1.802	2.727	9.8	20.5
10 18	23 2.07	+ 0 3.1	1.868	2.720	13.2	20.7

115436 2003 TU_{4} 9 11.9 219°.05 2°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.49	+ 6 5.1	2.171	2.996	13.3	20.0
8 19	23 39.36	+ 6 0.4	2.084	2.989	10.4	19.8
8 29	23 32.47	+ 5 40.4	2.020	2.982	7.1	19.6
9 8	23 24.39	+ 5 6.6	1.981	2.975	3.9	19.4
9 18	23 15.87	+ 4 22.4	1.971	2.967	3.1	19.3
9 28	23 7.78	+ 3 32.8	1.989	2.959	5.9	19.5
10 8	23 0.93	+ 2 43.4	2.034	2.950	9.3	19.7
10 18	22 55.92	+ 1 59.3	2.103	2.941	12.4	19.9

79822 1998 VC_{52} 9 11.9 311°.14 0°.6/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.10	+ 1 29.9	1.610	2.479	15.0	19.6
8 19	23 35.99	+ 0 37.6	1.518	2.455	11.4	19.4
8 29	23 30.74	− 0 35.4	1.449	2.431	7.1	19.1
9 8	23 23.95	− 2 4.3	1.404	2.408	2.4	18.7
9 18	23 16.48	− 3 41.4	1.385	2.385	2.8	18.7
9 28	23 9.44	− 5 17.1	1.392	2.363	7.8	18.9
10 8	23 3.87	− 6 41.8	1.424	2.341	12.5	19.2
10 18	23 0.56	− 7 48.6	1.477	2.320	16.5	19.4

433676 2014 DP_{139} 9 11.9 238°.65 0°.1/11.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 34.51	− 2 58.9	4.722	5.571	6.2	21.9
8 19	23 31.22	− 3 26.2	4.636	5.564	4.5	21.8
8 29	23 27.24	− 3 58.0	4.576	5.558	2.7	21.6
9 8	23 22.82	− 4 32.4	4.546	5.551	0.8	21.4
9 18	23 18.27	− 5 7.4	4.545	5.544	1.2	21.5
9 28	23 13.89	− 5 40.8	4.575	5.538	3.2	21.6
10 8	23 10.00	− 6 10.6	4.634	5.531	5.0	21.8
10 18	23 6.84	− 6 35.3	4.719	5.524	6.6	21.9

144398 2004 EY_{4} 9 11.9 342°.59 1°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.57	− 4 31.5	1.779	2.656	13.4	19.8
8 19	23 37.43	− 5 18.4	1.710	2.654	9.8	19.6
8 29	23 31.38	− 6 16.2	1.664	2.651	5.8	19.4
9 8	23 24.08	− 7 19.2	1.644	2.649	1.8	19.1
9 18	23 16.38	− 8 20.8	1.650	2.647	3.5	19.2
9 28	23 9.27	− 9 14.1	1.684	2.645	7.7	19.5
10 8	23 3.61	− 9 53.8	1.742	2.644	11.5	19.7
10 18	23 0.02	−10 17.1	1.822	2.643	14.8	19.9

512674 2016 TB_{80} 9 11.9 342°.89 0°.6/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.49	− 0 13.1	1.547	2.418	15.4	21.1
8 19	23 38.38	− 0 40.1	1.477	2.414	11.6	20.9
8 29	23 32.07	− 1 23.0	1.428	2.411	7.1	20.6
9 8	23 24.30	− 2 17.0	1.403	2.408	2.3	20.3
9 18	23 16.04	− 3 15.9	1.404	2.405	2.8	20.3
9 28	23 8.44	− 4 11.7	1.432	2.403	7.6	20.6
10 8	23 2.51	− 4 57.7	1.484	2.401	12.0	20.9
10 18	22 58.93	− 5 29.2	1.557	2.400	15.8	21.1

107816 2001 FW_{60} 9 11.9 85°.61 1°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.76	− 1 38.0	1.787	2.658	13.7	19.5
8 19	23 36.77	− 3 0.9	1.724	2.664	10.0	19.3
8 29	23 30.95	− 4 38.5	1.684	2.670	5.9	19.0
9 8	23 23.95	− 6 23.7	1.671	2.677	1.6	18.8
9 18	23 16.62	− 8 7.8	1.686	2.683	3.4	18.9
9 28	23 9.89	− 9 42.0	1.729	2.689	7.6	19.2
10 8	23 4.61	−10 59.6	1.797	2.696	11.4	19.4
10 18	23 1.32	−11 56.7	1.888	2.702	14.6	19.7

279057 2008 WK_{1} 9 11.9 20°.72 7°.7/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.11	+14 48.9	1.267	2.094	20.7	19.0
8 19	23 36.97	+15 12.8	1.210	2.102	17.2	18.8
8 29	23 31.35	+15 4.8	1.170	2.112	13.3	18.6
9 8	23 24.11	+14 24.7	1.150	2.123	9.6	18.5
9 18	23 16.39	+13 16.3	1.152	2.134	7.7	18.4
9 28	23 9.54	+11 48.9	1.177	2.147	9.1	18.5
10 8	23 4.66	+10 14.4	1.226	2.161	12.4	18.8
10 18	23 2.45	+ 8 44.4	1.295	2.176	15.9	19.0

209322 2004 BN_{70} 9 11.9 265°.89 0°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.54	− 0 45.8	1.959	2.815	13.3	20.7
8 19	23 39.55	− 0 57.9	1.876	2.806	10.0	20.5
8 29	23 32.66	− 1 21.7	1.816	2.796	6.2	20.2
9 8	23 24.47	− 1 54.0	1.783	2.787	2.1	19.9
9 18	23 15.81	− 2 30.5	1.777	2.777	2.4	19.9
9 28	23 7.64	− 3 5.9	1.798	2.767	6.6	20.2
10 8	23 0.83	− 3 35.2	1.846	2.757	10.4	20.4
10 18	22 56.03	− 3 54.8	1.917	2.747	13.8	20.6

300684 2007 VV_{30} 9 11.9 19°.97 3°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.67	+ 5 56.3	1.849	2.685	14.8	20.9
8 19	23 38.95	+ 5 55.5	1.774	2.685	11.6	20.7
8 29	23 32.30	+ 5 37.3	1.720	2.686	7.9	20.5
9 8	23 24.36	+ 5 3.8	1.692	2.686	4.3	20.3
9 18	23 16.00	+ 4 18.8	1.690	2.687	3.4	20.2
9 28	23 8.20	+ 3 28.1	1.715	2.687	6.5	20.4
10 8	23 1.86	+ 2 38.3	1.766	2.688	10.2	20.6
10 18	22 57.58	+ 1 54.9	1.841	2.689	13.5	20.9

215760 2004 FZ_{89} 9 11.9 266°.69 0°.1/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.30	+ 0 16.1	2.075	2.932	12.6	20.2
8 19	23 36.39	− 0 53.8	1.985	2.917	9.4	19.9
8 29	23 30.75	− 2 19.6	1.919	2.901	5.7	19.7
9 8	23 23.93	− 3 56.3	1.880	2.885	1.6	19.4
9 18	23 16.63	− 5 36.9	1.870	2.869	2.6	19.4
9 28	23 9.72	− 7 13.5	1.889	2.853	6.7	19.7
10 8	23 4.00	− 8 38.7	1.934	2.837	10.5	19.9
10 18	23 0.08	− 9 47.6	2.003	2.820	13.8	20.1

136917 1998 HB_{127} 9 11.9 83°.87 0°.8/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.12	− 4 58.0	1.403	2.279	16.4	19.9
8 19	23 44.00	− 5 11.0	1.349	2.292	12.1	19.7
8 29	23 35.39	− 5 34.4	1.318	2.304	7.2	19.4
9 8	23 25.25	− 6 2.6	1.310	2.316	2.0	19.1
9 18	23 14.79	− 6 29.6	1.329	2.328	3.6	19.3
9 28	23 5.35	− 6 49.2	1.374	2.340	8.5	19.6
10 8	22 58.02	− 6 57.2	1.443	2.352	12.9	19.9
10 18	22 53.43	− 6 51.5	1.533	2.364	16.6	20.2

23114 2000 AL_{16} 9 11.9 315°.35 0°.4/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 35.59	− 4 48.8	4.155	5.012	6.8	19.1
8 19	23 32.09	− 5 12.5	4.075	5.008	5.0	19.0
8 29	23 27.79	− 5 40.3	4.022	5.005	2.9	18.8
9 8	23 23.01	− 6 10.2	3.997	5.002	0.8	18.6
9 18	23 18.07	− 6 39.9	4.002	4.999	1.6	18.7
9 28	23 13.35	− 7 7.0	4.036	4.996	3.7	18.9
10 8	23 9.20	− 7 29.6	4.100	4.993	5.7	19.0
10 18	23 5.90	− 7 46.1	4.188	4.990	7.4	19.1

209845 2005 GO_{173} 9 11.9 9°.06 0°.3/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.01	+ 0 35.0	1.638	2.507	14.8	19.8
8 19	23 36.41	− 0 16.3	1.571	2.508	11.0	19.6
8 29	23 30.82	− 1 24.6	1.526	2.509	6.7	19.3
9 8	23 23.94	− 2 44.3	1.506	2.511	2.1	19.0
9 18	23 16.67	− 4 7.8	1.512	2.513	2.7	19.1
9 28	23 10.02	− 5 26.6	1.546	2.515	7.3	19.4
10 8	23 4.90	− 6 33.3	1.604	2.518	11.5	19.6
10 18	23 1.91	− 7 22.9	1.684	2.522	15.0	19.9

183194 2002 TC_5 9 11.9 297°.64 0°.9/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.74	+ 1 47.1	1.441	2.311	16.4	19.8
8 19	23 38.07	+ 1 1.5	1.363	2.300	12.4	19.5
8 29	23 32.04	− 0 5.4	1.306	2.289	7.8	19.2
9 8	23 24.35	− 1 28.3	1.273	2.277	2.7	18.9
9 18	23 16.02	− 2 59.2	1.266	2.267	3.0	18.9
9 28	23 8.29	− 4 27.9	1.284	2.256	8.2	19.2
10 8	23 2.30	− 5 44.5	1.326	2.245	13.0	19.4
10 18	22 58.83	− 6 42.7	1.389	2.235	17.2	19.7

218182 2002 TG_{35} 9 11.9 33°.65 1°.3/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.46	+ 3 0.1	1.254	2.129	18.0	19.9
8 19	23 37.90	+ 2 13.8	1.198	2.136	13.7	19.6
8 29	23 31.88	+ 1 4.1	1.162	2.144	8.6	19.4
9 8	23 24.27	− 0 22.5	1.149	2.152	3.2	19.1
9 18	23 16.23	− 1 56.5	1.160	2.161	3.1	19.1
9 28	23 9.09	− 3 26.6	1.196	2.170	8.3	19.4
10 8	23 3.92	− 4 43.0	1.255	2.180	13.1	19.8
10 18	23 1.39	− 5 39.4	1.334	2.190	17.2	20.0

289556 2005 EW_{251} 9 11.9 263°.87 0°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.40	− 0 56.6	1.886	2.748	13.5	21.3
8 19	23 38.74	− 1 22.4	1.809	2.742	10.1	21.0
8 29	23 32.17	− 2 1.0	1.755	2.737	6.2	20.8
9 8	23 24.34	− 2 48.2	1.726	2.731	1.9	20.5
9 18	23 16.08	− 3 38.9	1.725	2.726	2.5	20.5
9 28	23 8.34	− 4 27.0	1.752	2.720	6.8	20.8
10 8	23 2.01	− 5 6.8	1.804	2.714	10.7	21.0
10 18	22 57.70	− 5 34.7	1.879	2.709	14.0	21.2

308972 2006 TA_{97} 9 11.9 319°.63 7°.0/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.43	−22 12.0	1.896	2.782	12.3	20.7
8 19	23 40.24	−23 15.7	1.840	2.778	9.6	20.6
8 29	23 33.05	−24 14.2	1.807	2.774	7.5	20.4
9 8	23 24.58	−24 59.7	1.801	2.770	7.1	20.4
9 18	23 15.77	−25 25.9	1.820	2.766	8.6	20.5
9 28	23 7.68	−25 29.0	1.864	2.762	11.2	20.7
10 8	23 1.19	−25 8.5	1.930	2.759	13.9	20.8
10 18	22 56.89	−24 26.7	2.016	2.755	16.3	21.0

323687 2005 GX_{72} 9 11.9 187°.22 11°.1/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.47	−34 16.5	1.801	2.650	14.6	21.6
8 19	23 51.49	−35 18.9	1.755	2.649	12.6	21.5
8 29	23 39.80	−36 3.6	1.732	2.649	11.3	21.4
9 8	23 26.50	−36 21.0	1.732	2.647	11.3	21.4
9 18	23 13.00	−36 5.3	1.758	2.645	12.5	21.5
9 28	23 0.80	−35 15.9	1.807	2.643	14.5	21.6
10 8	22 51.04	−33 56.9	1.878	2.640	16.7	21.8
10 18	22 44.34	−32 14.9	1.967	2.636	18.7	21.9

143716 2003 UM_{164} 9 11.9 313°.12 4°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.82	−10 44.3	1.318	2.215	15.9	19.7
8 19	23 41.22	−11 39.2	1.255	2.208	11.7	19.4
8 29	23 33.97	−12 41.4	1.213	2.202	7.2	19.2
9 8	23 24.91	−13 41.9	1.196	2.196	4.2	19.0
9 18	23 15.28	−14 31.4	1.202	2.190	6.5	19.1
9 28	23 6.50	−15 1.9	1.234	2.185	11.0	19.3
10 8	22 59.80	−15 9.6	1.287	2.179	15.4	19.6
10 18	22 55.93	−14 54.1	1.359	2.175	19.2	19.8

67386 2000 OO_{43} 9 11.9 77°.94 3°.4/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.34	+ 6 53.0	1.300	2.152	19.0	18.7
8 19	23 41.34	+ 6 29.9	1.250	2.170	14.7	18.5
8 29	23 33.85	+ 5 41.6	1.219	2.189	9.9	18.3
9 8	23 24.83	+ 4 32.4	1.211	2.208	5.1	18.1
9 18	23 15.50	+ 3 10.2	1.228	2.226	3.8	18.0
9 28	23 7.20	+ 1 45.2	1.270	2.245	7.9	18.3
10 8	23 1.00	+ 0 27.5	1.336	2.263	12.3	18.6
10 18	22 57.52	− 0 35.7	1.424	2.281	16.2	18.9

318561 2005 GC_{113} 9 11.9 93°.49 4°.1/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.80	− 8 50.7	1.468	2.359	15.0	20.5
8 19	23 39.99	−10 37.4	1.425	2.376	10.8	20.3
8 29	23 32.95	−12 32.3	1.405	2.393	6.5	20.1
9 8	23 24.56	−14 24.3	1.411	2.410	4.1	20.0
9 18	23 15.91	−16 2.6	1.443	2.426	6.4	20.2
9 28	23 8.17	−17 18.6	1.502	2.442	10.3	20.5
10 8	23 2.31	−18 8.3	1.583	2.458	14.1	20.8
10 18	22 58.89	−18 31.3	1.685	2.474	17.1	21.0

51591 2001 HN_{15} 9 12.0 24°.17 8°.2/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.83	−20 31.0	1.194	2.097	16.8	18.2
8 19	23 44.21	−21 21.6	1.152	2.102	12.9	18.0
8 29	23 35.68	−22 5.5	1.131	2.108	9.5	17.8
9 8	23 25.37	−22 31.9	1.131	2.114	8.2	17.8
9 18	23 14.77	−22 33.1	1.155	2.122	10.1	17.9
9 28	23 5.49	−22 5.8	1.202	2.130	13.6	18.1
10 8	22 58.73	−21 11.8	1.269	2.138	17.2	18.4
10 18	22 55.11	−19 55.7	1.354	2.148	20.4	18.6

515184 2011 UM_{69} 9 12.0 358°.31 1°.6/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.44	− 0 49.8	1.429	2.302	16.4	20.3
8 19	23 40.73	− 0 27.1	1.362	2.299	12.4	20.0
8 29	23 33.58	− 0 17.3	1.315	2.297	7.9	19.8
9 8	23 24.80	− 0 18.0	1.292	2.295	3.1	19.5
9 18	23 15.50	− 0 25.3	1.294	2.295	3.0	19.5
9 28	23 6.96	− 0 34.2	1.322	2.296	7.8	19.8
10 8	23 0.30	− 0 39.5	1.374	2.297	12.3	20.0
10 18	22 56.25	− 0 37.2	1.446	2.300	16.2	20.3

429533 2011 BM_{114} 9 12.0 170°.61 0°.4/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.41	− 1 53.5	1.947	2.806	13.2	22.3
8 19	23 40.10	− 2 42.4	1.876	2.810	9.8	22.0
8 29	23 32.94	− 3 43.6	1.830	2.813	5.9	21.8
9 8	23 24.58	− 4 52.1	1.810	2.815	1.6	21.5
9 18	23 15.85	− 6 1.4	1.819	2.817	2.8	21.6
9 28	23 7.71	− 7 4.8	1.856	2.819	6.9	21.9
10 8	23 1.00	− 7 56.7	1.919	2.819	10.7	22.1
10 18	22 56.31	− 8 33.8	2.006	2.819	13.9	22.4

143857 2003 YU_{11} 9 12.0 113°.90 2°.5/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.07	− 8 57.1	1.510	2.391	15.2	20.1
8 19	23 43.91	− 9 22.9	1.453	2.398	11.1	19.9
8 29	23 35.35	− 9 54.9	1.418	2.404	6.6	19.7
9 8	23 25.29	−10 26.6	1.407	2.411	2.8	19.4
9 18	23 14.86	−10 51.7	1.424	2.417	4.7	19.6
9 28	23 5.36	−11 4.8	1.467	2.423	9.1	19.9
10 8	22 57.86	−11 2.7	1.534	2.429	13.2	20.1
10 18	22 52.98	−10 44.9	1.622	2.435	16.6	20.4

177824 2005 NB_{15} 9 12.0 126°.70 1°.0/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.66	− 3 45.6	1.682	2.552	14.4	21.1
8 19	23 41.18	− 4 32.8	1.624	2.563	10.6	20.9
8 29	23 33.62	− 5 31.5	1.589	2.574	6.2	20.6
9 8	23 24.77	− 6 35.5	1.579	2.585	1.8	20.4
9 18	23 15.61	− 7 37.7	1.597	2.595	3.4	20.5
9 28	23 7.23	− 8 31.2	1.643	2.604	7.8	20.8
10 8	23 0.54	− 9 10.6	1.713	2.614	11.8	21.1
10 18	22 56.13	− 9 33.5	1.806	2.622	15.1	21.3

490456 2009 SA_{240} 9 12.0 335°.77 10°.3/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.47	−30 55.0	1.738	2.615	13.7	19.8
8 19	23 42.09	−31 55.2	1.683	2.601	11.7	19.6
8 29	23 34.31	−32 41.9	1.649	2.587	10.4	19.5
9 8	23 24.99	−33 6.1	1.639	2.574	10.5	19.5
9 18	23 15.29	−33 1.6	1.652	2.561	11.9	19.6
9 28	23 6.46	−32 25.9	1.687	2.549	14.1	19.7
10 8	22 59.58	−31 20.9	1.743	2.538	16.5	19.8
10 18	22 55.27	−29 51.3	1.817	2.528	18.7	20.0

486343 2013 CP_{170} 9 12.0 241°.65 0°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.31	+ 0 29.7	2.073	2.928	12.7	21.7
8 19	23 37.05	− 0 9.8	1.996	2.925	9.5	21.5
8 29	23 31.10	− 1 2.7	1.943	2.923	5.9	21.2
9 8	23 24.06	− 2 5.0	1.915	2.920	1.9	21.0
9 18	23 16.65	− 3 11.2	1.916	2.917	2.3	21.0
9 28	23 9.72	− 4 15.0	1.945	2.914	6.2	21.2
10 8	23 4.03	− 5 10.8	2.001	2.911	9.8	21.5
10 18	23 0.13	− 5 54.4	2.080	2.908	13.0	21.7

172011 2001 UT_{100} 9 12.0 234°.47 1°.3/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.51	− 5 50.4	1.980	2.853	12.5	19.6
8 19	23 38.70	− 6 25.7	1.911	2.852	9.1	19.4
8 29	23 32.10	− 7 9.2	1.865	2.851	5.4	19.2
9 8	23 24.35	− 7 56.0	1.845	2.850	1.7	18.9
9 18	23 16.25	− 8 40.6	1.853	2.849	3.3	19.0
9 28	23 8.70	− 9 17.6	1.889	2.848	7.2	19.3
10 8	23 2.52	− 9 42.8	1.951	2.847	10.7	19.5
10 18	22 58.28	− 9 54.1	2.035	2.847	13.8	19.7