111416 2001 XZ_{190} 9 3.9 259°.02 0°.4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.09	− 3 34.3	2.245	3.084	12.5	20.8
8 9	23 9.89	− 3 57.5	2.156	3.073	9.6	20.6
8 19	23 3.98	− 4 32.2	2.089	3.063	6.2	20.4
8 29	22 56.83	− 5 15.3	2.048	3.052	2.5	20.2
9 8	22 49.12	− 6 2.6	2.035	3.041	1.5	20.1
9 18	22 41.63	− 6 49.2	2.051	3.030	5.2	20.3
9 28	22 35.15	− 7 30.3	2.094	3.019	8.8	20.5
10 8	22 30.31	− 8 2.1	2.161	3.007	12.0	20.7

446183 2013 FR_{11} 9 3.9 111°.58 0°.4/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.65	− 7 8.9	2.240	3.085	12.3	21.1
8 9	23 11.68	− 7 22.2	2.168	3.091	9.3	20.9
8 19	23 5.01	− 7 43.2	2.119	3.096	5.9	20.7
8 29	22 57.18	− 8 8.8	2.097	3.102	2.2	20.5
9 8	22 48.94	− 8 35.0	2.103	3.108	1.7	20.5
9 18	22 41.06	− 8 57.9	2.138	3.113	5.4	20.8
9 28	22 34.31	− 9 14.0	2.200	3.119	8.8	21.0
10 8	22 29.26	− 9 21.0	2.286	3.124	11.7	21.2

361512 2007 EE_{200} 9 3.9 147°.87 1°.6/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.59	+ 2 51.9	2.774	3.579	11.3	21.3
8 9	23 7.61	+ 2 7.7	2.692	3.586	8.8	21.1
8 19	23 2.32	+ 1 9.9	2.635	3.593	6.1	21.0
8 29	22 56.15	+ 0 1.2	2.604	3.600	3.2	20.8
9 8	22 49.62	− 1 14.4	2.602	3.606	1.7	20.7
9 18	22 43.34	− 2 32.2	2.631	3.612	4.1	20.9
9 28	22 37.87	− 3 46.9	2.689	3.617	6.9	21.1
10 8	22 33.69	− 4 54.4	2.773	3.622	9.5	21.2

284038 2004 YP_{25} 9 3.9 284°.68 5°.4/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.27	−16 37.9	1.788	2.667	13.3	20.1
8 9	23 10.69	−18 16.4	1.703	2.644	10.2	19.8
8 19	23 4.85	−20 3.1	1.641	2.620	7.0	19.6
8 29	22 57.27	−21 48.8	1.605	2.596	5.4	19.4
9 8	22 48.81	−23 23.5	1.596	2.572	7.0	19.5
9 18	22 40.53	−24 38.5	1.613	2.548	10.4	19.6
9 28	22 33.55	−25 28.2	1.653	2.524	14.0	19.8
10 8	22 28.72	−25 51.0	1.714	2.499	17.2	20.0

383334 2006 KB_{61} 9 3.9 164°.44 2°.9/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.95	−13 47.9	2.458	3.313	11.0	22.2
8 9	23 11.81	−14 48.8	2.390	3.320	8.2	22.1
8 19	23 5.06	−15 53.9	2.347	3.326	5.3	21.9
8 29	22 57.20	−16 58.1	2.332	3.331	3.0	21.8
9 8	22 48.93	−17 55.6	2.346	3.335	3.9	21.8
9 18	22 41.00	−18 42.0	2.389	3.339	6.6	22.0
9 28	22 34.12	−19 14.2	2.459	3.342	9.5	22.2
10 8	22 28.85	−19 30.8	2.553	3.344	12.0	22.4

58373 Albertoalonso 9 3.9 30°.11 15°.4/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.84	+36 11.2	1.241	1.904	28.9	17.5
8 9	23 6.45	+36 37.5	1.197	1.930	26.6	17.4
8 19	23 2.28	+36 12.4	1.161	1.957	23.9	17.3
8 29	22 56.23	+34 50.2	1.136	1.986	20.9	17.2
9 8	22 49.62	+32 31.2	1.127	2.016	18.1	17.1
9 18	22 43.81	+29 23.7	1.137	2.047	16.1	17.1
9 28	22 40.01	+25 43.9	1.169	2.079	15.4	17.2
10 8	22 38.89	+21 53.2	1.224	2.112	16.4	17.3

162867 2001 EA_{19} 9 3.9 121°.30 1°.0/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.84	+ 0 31.1	2.041	2.870	13.9	20.3
8 9	23 9.72	− 0 23.8	1.971	2.881	10.7	20.1
8 19	23 3.85	− 1 35.3	1.922	2.891	7.1	19.9
8 29	22 56.77	− 2 59.2	1.900	2.901	3.2	19.7
9 8	22 49.24	− 4 29.1	1.906	2.911	1.6	19.6
9 18	22 42.08	− 5 57.9	1.940	2.921	5.3	19.9
9 28	22 36.08	− 7 19.0	2.003	2.930	9.0	20.1
10 8	22 31.83	− 8 27.0	2.089	2.939	12.2	20.4

385444 2003 QU_{26} 9 3.9 349°.35 0°.3/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.94	− 9 0.7	1.314	2.184	17.8	19.1
8 9	23 17.71	− 8 12.0	1.241	2.176	13.7	18.8
8 19	23 9.48	− 7 29.1	1.188	2.169	8.9	18.6
8 29	22 59.05	− 6 50.0	1.157	2.163	3.5	18.2
9 8	22 47.70	− 6 12.1	1.152	2.158	2.2	18.1
9 18	22 36.94	− 5 33.4	1.173	2.154	7.7	18.5
9 28	22 28.18	− 4 51.6	1.217	2.152	12.8	18.7
10 8	22 22.39	− 4 5.3	1.282	2.151	17.1	19.0

252209 2001 FU_{168} 9 3.9 209°.79 3°.4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.84	+ 8 56.2	2.969	3.737	11.4	20.6
8 9	23 7.81	+ 8 36.6	2.870	3.731	9.4	20.5
8 19	23 2.48	+ 8 1.7	2.794	3.724	7.1	20.3
8 29	22 56.23	+ 7 12.4	2.743	3.717	4.8	20.1
9 8	22 49.59	+ 6 11.4	2.720	3.710	3.4	20.1
9 18	22 43.10	+ 5 2.3	2.727	3.702	4.4	20.1
9 28	22 37.36	+ 3 49.8	2.763	3.694	6.7	20.2
10 8	22 32.83	+ 2 38.9	2.826	3.685	9.1	20.4

158112 2001 BZ_{65} 9 4.0 216°.13 1°.2/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.16	− 7 51.9	2.848	3.693	10.0	20.8
8 9	23 8.10	− 8 52.5	2.760	3.685	7.5	20.6
8 19	23 2.69	−10 1.2	2.697	3.677	4.6	20.4
8 29	22 56.32	−11 14.1	2.663	3.668	1.8	20.2
9 8	22 49.54	−12 26.3	2.659	3.659	2.2	20.2
9 18	22 42.93	−13 33.1	2.684	3.650	5.1	20.4
9 28	22 37.10	−14 30.4	2.738	3.640	7.9	20.6
10 8	22 32.54	−15 15.4	2.817	3.630	10.4	20.7

514531 2016 YT_{6} 9 4.0 207°.52 3°.2/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.29	+ 6 6.9	2.852	3.633	11.6	21.6
8 9	23 9.69	+ 6 11.1	2.757	3.628	9.4	21.4
8 19	23 3.70	+ 6 2.2	2.684	3.623	6.9	21.3
8 29	22 56.71	+ 5 41.0	2.637	3.617	4.5	21.1
9 8	22 49.29	+ 5 9.3	2.618	3.611	3.2	21.0
9 18	22 42.04	+ 4 30.2	2.629	3.604	4.5	21.1
9 28	22 35.59	+ 3 47.5	2.668	3.597	7.0	21.2
10 8	22 30.44	+ 3 5.5	2.733	3.589	9.4	21.4

465010 2006 GH_{37} 9 4.0 19°.88 8°.1/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.38	−20 26.0	0.923	1.835	19.7	19.8
8 9	23 14.11	−21 23.4	0.886	1.842	15.2	19.6
8 19	23 7.32	−22 19.1	0.867	1.851	10.7	19.4
8 29	22 58.18	−23 0.5	0.868	1.861	8.2	19.3
9 8	22 48.41	−23 16.7	0.889	1.873	9.6	19.4
9 18	22 39.80	−23 2.8	0.931	1.886	13.5	19.7
9 28	22 33.83	−22 19.3	0.992	1.900	17.7	20.0
10 8	22 31.26	−21 10.9	1.070	1.916	21.4	20.3

493625 2015 PL_{29} 9 4.0 4°.88 3°.1/ 6.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.63	+ 3 37.1	1.591	2.428	16.8	20.8
8 9	23 7.84	+ 3 21.0	1.518	2.428	13.4	20.6
8 19	23 2.92	+ 2 43.3	1.466	2.429	9.4	20.4
8 29	22 56.49	+ 1 46.3	1.436	2.431	5.3	20.2
9 8	22 49.45	+ 0 35.5	1.431	2.433	3.2	20.0
9 18	22 42.79	− 0 41.7	1.451	2.436	6.1	20.2
9 28	22 37.50	− 1 56.8	1.497	2.440	10.2	20.5
10 8	22 34.31	− 3 2.3	1.566	2.444	14.0	20.7

395106 2009 SN_{46} 9 4.0 43°.25 4°.9/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.81	+ 4 56.0	0.962	1.823	23.4	21.0
8 9	23 12.82	+ 4 58.7	0.910	1.832	18.8	20.8
8 19	23 6.57	+ 4 29.1	0.873	1.841	13.4	20.5
8 29	22 57.97	+ 3 29.0	0.855	1.850	7.9	20.3
9 8	22 48.50	+ 2 6.1	0.859	1.860	4.9	20.1
9 18	22 39.83	+ 0 32.7	0.884	1.871	8.4	20.4
9 28	22 33.50	− 0 57.3	0.931	1.882	13.7	20.7
10 8	22 30.43	− 2 12.7	0.997	1.893	18.5	21.0

44501 1998 XN_{21} 9 4.0 308°.22 1°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.32	− 7 41.7	2.118	2.976	12.4	18.1
8 9	23 8.74	− 8 17.2	2.026	2.957	9.4	17.9
8 19	23 3.36	− 9 2.5	1.957	2.939	5.9	17.7
8 29	22 56.65	− 9 53.8	1.914	2.920	2.2	17.4
9 8	22 49.33	−10 45.6	1.899	2.902	2.3	17.4
9 18	22 42.20	−11 32.6	1.910	2.884	6.1	17.6
9 28	22 36.10	−12 9.8	1.948	2.866	9.8	17.8
10 8	22 31.71	−12 34.0	2.010	2.848	13.0	18.0

295844 2008 VH_{39} 9 4.0 298°.59 4°.1/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.19	+ 8 15.8	1.712	2.522	16.9	19.9
8 9	23 8.28	+ 7 43.0	1.621	2.510	13.9	19.6
8 19	23 3.27	+ 6 43.6	1.549	2.498	10.3	19.4
8 29	22 56.67	+ 5 18.7	1.500	2.486	6.5	19.2
9 8	22 49.33	+ 3 33.7	1.476	2.474	4.1	19.0
9 18	22 42.21	+ 1 36.7	1.480	2.463	6.3	19.1
9 28	22 36.35	− 0 21.4	1.509	2.451	10.2	19.3
10 8	22 32.54	− 2 10.8	1.563	2.440	14.1	19.5

209285 2003 YS_{40} 9 4.0 235°.01 1°.3/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.17	− 8 12.8	2.061	2.916	12.8	20.8
8 9	23 10.85	− 8 54.5	1.980	2.910	9.7	20.6
8 19	23 4.67	− 9 45.9	1.923	2.904	6.1	20.4
8 29	22 57.14	−10 42.1	1.892	2.897	2.3	20.2
9 8	22 49.05	−11 37.5	1.888	2.890	2.6	20.2
9 18	22 41.24	−12 26.4	1.913	2.883	6.3	20.4
9 28	22 34.59	−13 4.1	1.964	2.876	10.0	20.6
10 8	22 29.75	−13 27.6	2.038	2.869	13.2	20.8

172907 2005 GC_{90} 9 4.0 38°.79 4°.8/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.05	−12 51.5	1.198	2.092	17.5	19.2
8 9	23 11.72	−14 17.4	1.151	2.101	13.1	19.0
8 19	23 5.59	−15 53.2	1.123	2.110	8.4	18.8
8 29	22 57.53	−17 27.6	1.118	2.120	4.9	18.6
9 8	22 48.83	−18 48.6	1.138	2.130	6.5	18.7
9 18	22 40.87	−19 46.9	1.181	2.140	10.7	19.0
9 28	22 34.91	−20 17.8	1.245	2.152	15.0	19.3
10 8	22 31.72	−20 21.3	1.329	2.163	18.7	19.5

378232 2007 BO_{77} 9 4.0 289°.09 0°.7/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.05	− 3 49.3	1.531	2.388	16.4	21.7
8 9	23 13.04	− 4 0.2	1.443	2.370	12.8	21.4
8 19	23 6.48	− 4 26.3	1.375	2.352	8.4	21.1
8 29	22 57.96	− 5 4.7	1.330	2.334	3.5	20.8
9 8	22 48.46	− 5 49.6	1.311	2.316	2.0	20.6
9 18	22 39.20	− 6 34.3	1.317	2.299	7.1	20.9
9 28	22 31.44	− 7 11.9	1.349	2.281	12.0	21.2
10 8	22 26.13	− 7 37.1	1.401	2.264	16.3	21.4

65325 2002 LO_{18} 9 4.0 139°.92 1°.2/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.66	− 0 48.0	2.184	3.009	13.3	20.3
8 9	23 11.74	− 1 13.1	2.112	3.019	10.3	20.1
8 19	23 5.09	− 1 51.4	2.062	3.030	6.8	19.9
8 29	22 57.26	− 2 40.0	2.039	3.040	3.1	19.7
9 8	22 49.00	− 3 34.1	2.044	3.049	1.6	19.6
9 18	22 41.11	− 4 28.8	2.078	3.058	5.1	19.8
9 28	22 34.36	− 5 18.9	2.139	3.066	8.5	20.1
10 8	22 29.34	− 6 0.2	2.225	3.073	11.6	20.3

189220 2004 EP_{83} 9 4.0 207°.20 3°.3/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.48	−13 15.7	1.717	2.585	14.4	20.7
8 9	23 14.47	−14 3.9	1.646	2.582	10.8	20.5
8 19	23 7.12	−14 58.6	1.597	2.579	6.9	20.3
8 29	22 58.12	−15 53.3	1.573	2.575	3.7	20.1
9 8	22 48.44	−16 40.4	1.577	2.571	4.6	20.1
9 18	22 39.20	−17 14.0	1.607	2.567	8.4	20.4
9 28	22 31.50	−17 30.1	1.662	2.562	12.2	20.6
10 8	22 26.09	−17 27.7	1.738	2.557	15.6	20.8

25619 Martonspohn 9 4.0 256°.14 2°.7/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.63	−12 28.5	1.919	2.785	13.2	19.0
8 9	23 12.11	−13 11.3	1.843	2.778	9.9	18.8
8 19	23 5.54	−14 0.7	1.789	2.771	6.3	18.6
8 29	22 57.50	−14 51.0	1.762	2.764	3.1	18.4
9 8	22 48.85	−15 35.8	1.761	2.757	3.9	18.4
9 18	22 40.55	−16 9.8	1.788	2.750	7.5	18.6
9 28	22 33.54	−16 29.0	1.840	2.742	11.1	18.8
10 8	22 28.53	−16 31.8	1.914	2.735	14.3	19.0

152377 2005 UT_{182} 9 4.0 278°.96 0°.1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.70	− 4 33.0	2.188	3.032	12.6	21.1
8 9	23 9.63	− 4 58.1	2.105	3.026	9.6	20.9
8 19	23 3.84	− 5 34.1	2.045	3.021	6.2	20.6
8 29	22 56.82	− 6 17.7	2.010	3.015	2.4	20.4
9 8	22 49.29	− 7 4.4	2.004	3.009	1.5	20.3
9 18	22 42.03	− 7 49.2	2.026	3.004	5.4	20.6
9 28	22 35.81	− 8 27.4	2.074	2.998	8.9	20.8
10 8	22 31.26	− 8 55.6	2.147	2.993	12.1	21.0

401660 2013 GK_{112} 9 4.0 141°.98 5°.8/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.28	+16 2.9	2.744	3.467	13.3	21.4
8 9	23 8.99	+16 12.2	2.659	3.475	11.4	21.2
8 19	23 3.27	+16 3.1	2.594	3.483	9.2	21.1
8 29	22 56.57	+15 35.0	2.553	3.490	7.2	21.0
9 8	22 49.47	+14 49.5	2.538	3.497	5.9	20.9
9 18	22 42.61	+13 49.7	2.550	3.504	6.1	20.9
9 28	22 36.63	+12 40.6	2.590	3.510	7.5	21.0
10 8	22 32.02	+11 27.8	2.656	3.516	9.5	21.2

249078 2007 UR_{128} 9 4.0 64°.30 8°.8/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.28	−23 9.2	1.217	2.108	17.5	20.1
8 9	23 17.04	−24 41.9	1.189	2.130	13.6	19.9
8 19	23 8.81	−26 9.0	1.181	2.152	10.2	19.8
8 29	22 58.68	−27 17.9	1.195	2.175	8.8	19.8
9 8	22 48.18	−27 59.0	1.233	2.197	10.2	19.9
9 18	22 38.81	−28 8.0	1.293	2.219	13.2	20.2
9 28	22 31.81	−27 46.2	1.375	2.242	16.4	20.4
10 8	22 27.83	−26 58.4	1.474	2.264	19.3	20.7

75202 1999 VV_{178} 9 4.0 243°.94 2°.2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.21	− 8 50.8	1.797	2.658	14.2	19.8
8 9	23 12.81	− 9 53.5	1.710	2.643	10.7	19.6
8 19	23 6.16	−11 8.8	1.645	2.627	6.8	19.3
8 29	22 57.80	−12 30.5	1.606	2.611	2.9	19.0
9 8	22 48.63	−13 50.4	1.595	2.594	3.6	19.0
9 18	22 39.69	−15 0.8	1.611	2.577	7.8	19.2
9 28	22 32.06	−15 55.0	1.652	2.559	11.9	19.5
10 8	22 26.57	−16 29.8	1.716	2.540	15.5	19.6

188392 2004 DP_{20} 9 4.0 210°.01 2°.7/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.93	−12 7.3	1.889	2.749	13.6	21.5
8 9	23 14.65	−12 53.5	1.811	2.743	10.3	21.2
8 19	23 7.19	−13 46.9	1.756	2.737	6.5	21.0
8 29	22 58.15	−14 41.5	1.727	2.730	3.2	20.8
9 8	22 48.43	−15 30.7	1.726	2.723	4.0	20.8
9 18	22 39.08	−16 8.4	1.753	2.714	7.7	21.0
9 28	22 31.11	−16 30.7	1.805	2.706	11.4	21.2
10 8	22 25.27	−16 36.1	1.880	2.696	14.7	21.4

445368 2010 OU_{120} 9 4.0 261°.55 5°.7/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.47	−25 25.6	2.488	3.346	10.8	20.5
8 9	23 14.68	−26 8.2	2.407	3.328	8.6	20.3
8 19	23 7.03	−26 47.0	2.350	3.309	6.6	20.2
8 29	22 58.04	−27 16.4	2.320	3.291	5.7	20.1
9 8	22 48.51	−27 31.1	2.317	3.272	6.7	20.1
9 18	22 39.29	−27 28.0	2.342	3.253	8.8	20.2
9 28	22 31.23	−27 6.2	2.392	3.233	11.2	20.3
10 8	22 24.98	−26 26.7	2.464	3.214	13.5	20.5

295365 2008 HM_{51} 9 4.0 131°.58 2°.2/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.22	+ 2 32.9	2.419	3.231	12.5	21.2
8 9	23 9.04	+ 2 13.6	2.341	3.237	9.9	21.0
8 19	23 3.35	+ 1 40.2	2.285	3.243	6.9	20.9
8 29	22 56.61	+ 0 54.9	2.255	3.249	3.8	20.7
9 8	22 49.47	+ 0 1.2	2.253	3.255	2.2	20.6
9 18	22 42.61	− 0 56.1	2.280	3.261	4.6	20.8
9 28	22 36.71	− 1 52.1	2.334	3.266	7.7	21.0
10 8	22 32.31	− 2 42.2	2.415	3.271	10.5	21.2

509658 2008 GV_{127} 9 4.0 59°.99 6°.7/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.91	−24 32.8	2.047	2.923	12.0	20.6
8 9	23 10.63	−25 59.8	2.005	2.936	9.5	20.5
8 19	23 4.47	−27 22.9	1.986	2.949	7.4	20.4
8 29	22 57.04	−28 34.2	1.993	2.962	6.8	20.4
9 8	22 49.22	−29 27.1	2.026	2.975	7.9	20.5
9 18	22 41.89	−29 57.7	2.085	2.988	10.1	20.6
9 28	22 35.90	−30 4.7	2.166	3.001	12.5	20.8
10 8	22 31.84	−29 49.9	2.268	3.014	14.6	21.0

436083 2009 SV_{158} 9 4.0 325°.63 4°.2/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.28	+ 4 19.5	1.382	2.222	18.7	20.7
8 9	23 10.31	+ 4 23.6	1.302	2.212	15.1	20.4
8 19	23 4.80	+ 4 3.9	1.240	2.202	10.9	20.2
8 29	22 57.34	+ 3 20.9	1.200	2.193	6.6	19.9
9 8	22 48.96	+ 2 19.0	1.184	2.184	4.2	19.7
9 18	22 40.92	+ 1 5.9	1.192	2.176	7.2	19.9
9 28	22 34.46	− 0 8.8	1.224	2.169	11.7	20.1
10 8	22 30.52	− 1 15.7	1.277	2.162	16.0	20.4

159175 2005 SU_{207} 9 4.0 292°.37 6°.2/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.68	−19 12.5	1.532	2.414	15.0	20.1
8 9	23 14.40	−20 15.3	1.453	2.394	11.6	19.8
8 19	23 7.40	−21 21.5	1.396	2.374	8.2	19.6
8 29	22 58.34	−22 21.8	1.362	2.353	6.2	19.4
9 8	22 48.30	−23 6.8	1.354	2.333	7.7	19.4
9 18	22 38.62	−23 29.3	1.370	2.313	11.2	19.6
9 28	22 30.60	−23 25.9	1.409	2.292	15.1	19.8
10 8	22 25.23	−22 57.2	1.466	2.272	18.6	20.0

210292 Mayongsheng 9 4.0 171°.28 4°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.57	+ 6 58.2	2.211	3.002	14.2	20.3
8 9	23 11.03	+ 7 2.4	2.127	3.004	11.6	20.1
8 19	23 4.73	+ 6 49.3	2.065	3.005	8.6	20.0
8 29	22 57.19	+ 6 19.7	2.026	3.007	5.7	19.8
9 8	22 49.12	+ 5 36.1	2.015	3.008	4.0	19.7
9 18	22 41.33	+ 4 43.0	2.032	3.008	5.5	19.8
9 28	22 34.62	+ 3 45.9	2.076	3.009	8.4	20.0
10 8	22 29.61	+ 2 50.6	2.145	3.009	11.3	20.1

11575 1994 BN_{4} 9 4.0 9°.06 5°.9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.31	+ 5 38.8	1.110	1.961	21.6	16.4
8 9	23 10.69	+ 6 9.9	1.049	1.962	17.6	16.2
8 19	23 5.17	+ 6 13.5	1.004	1.964	13.1	15.9
8 29	22 57.49	+ 5 48.8	0.978	1.967	8.4	15.7
9 8	22 48.93	+ 5 0.0	0.974	1.972	5.9	15.6
9 18	22 40.95	+ 3 55.3	0.993	1.977	8.3	15.7
9 28	22 34.96	+ 2 45.7	1.033	1.983	12.7	16.0
10 8	22 31.87	+ 1 41.9	1.093	1.991	17.1	16.3

158971 2004 RR_{272} 9 4.0 93°.56 0°.9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.40	− 6 34.0	1.666	2.526	15.1	20.3
8 9	23 12.09	− 7 13.3	1.599	2.530	11.4	20.0
8 19	23 5.59	− 8 5.0	1.553	2.534	7.2	19.8
8 29	22 57.55	− 9 3.8	1.533	2.539	2.7	19.5
9 8	22 48.92	−10 2.8	1.539	2.543	2.4	19.5
9 18	22 40.76	−10 55.1	1.572	2.547	6.9	19.8
9 28	22 34.07	−11 35.1	1.630	2.552	11.1	20.1
10 8	22 29.57	−11 59.5	1.711	2.556	14.6	20.3

352401 2007 XS_{9} 9 4.0 313°.51 3°.5/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.02	−13 45.7	1.765	2.640	13.7	20.5
8 9	23 11.07	−14 39.0	1.692	2.632	10.3	20.3
8 19	23 4.98	−15 38.9	1.642	2.625	6.7	20.1
8 29	22 57.33	−16 38.6	1.617	2.617	3.8	19.9
9 8	22 49.05	−17 30.8	1.618	2.610	4.8	19.9
9 18	22 41.13	−18 9.2	1.645	2.604	8.4	20.1
9 28	22 34.59	−18 29.7	1.697	2.597	12.1	20.3
10 8	22 30.16	−18 31.1	1.770	2.591	15.3	20.6

300762 2007 VR_{238} 9 4.0 318°.02 6°.7/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.25	−21 25.1	1.631	2.515	14.2	20.2
8 9	23 12.31	−22 32.5	1.561	2.501	11.0	19.9
8 19	23 5.91	−23 40.2	1.514	2.488	8.1	19.7
8 29	22 57.73	−24 39.3	1.490	2.475	6.7	19.6
9 8	22 48.79	−25 21.2	1.492	2.463	8.1	19.7
9 18	22 40.28	−25 39.9	1.518	2.451	11.1	19.8
9 28	22 33.35	−25 33.1	1.567	2.439	14.5	20.0
10 8	22 28.83	−25 1.8	1.634	2.428	17.5	20.2

18215 4792 P–L 9 4.0 65°.37 0°.7/ 3.3 18

7 30	23 15.32	− 7 13.2	2.013	2.866	13.1	19.0
8 9	23 10.92	− 7 40.0	1.943	2.870	9.9	18.8
8 19	23 4.68	− 8 16.1	1.895	2.875	6.2	18.6
8 29	22 57.17	− 8 57.4	1.874	2.879	2.3	18.3
9 8	22 49.19	− 9 38.8	1.880	2.884	2.0	18.3
9 18	22 41.59	−10 15.4	1.913	2.888	5.9	18.6
9 28	22 35.20	−10 42.8	1.974	2.893	9.6	18.8
10 8	22 30.65	−10 58.5	2.057	2.897	12.7	19.0

448638 2010 VG_{70} 9 4.0 335°.41 5°.5/ 9.5 17

7 30	23 11.82	+ 9 42.4	1.914	2.707	16.0	21.1
8 9	23 8.54	+ 9 56.4	1.827	2.699	13.4	20.9
8 19	23 3.34	+ 9 49.5	1.758	2.692	10.3	20.7
8 29	22 56.72	+ 9 20.9	1.713	2.685	7.3	20.5
9 8	22 49.45	+ 8 33.0	1.692	2.678	5.5	20.4
9 18	22 42.42	+ 7 30.4	1.697	2.672	6.6	20.5
9 28	22 36.53	+ 6 19.9	1.728	2.666	9.4	20.6
10 8	22 32.51	+ 5 9.4	1.783	2.661	12.6	20.8

129168 2005 JR_{27} 9 4.0 11°.87 4°.2/31.0 18

7 30	23 16.13	−16 1.0	1.849	2.723	13.2	19.9
8 9	23 11.76	−16 59.2	1.784	2.723	10.0	19.7
8 19	23 5.32	−18 1.2	1.743	2.723	6.6	19.5
8 29	22 57.44	−19 0.1	1.727	2.724	4.3	19.3
9 8	22 49.02	−19 48.8	1.737	2.724	5.4	19.4
9 18	22 41.03	−20 21.8	1.775	2.724	8.6	19.6
9 28	22 34.42	−20 36.1	1.836	2.725	11.9	19.8
10 8	22 29.87	−20 31.3	1.919	2.725	14.8	20.0

48762 1997 HD_{13} 9 4.0 197°.52 0°.0/ 3.8 18

7 30	23 18.63	− 4 40.8	1.882	2.725	14.3	20.0
8 9	23 13.64	− 5 11.4	1.802	2.723	11.0	19.7
8 19	23 6.55	− 5 54.7	1.744	2.720	7.0	19.5
8 29	22 57.93	− 6 46.8	1.711	2.716	2.7	19.2
9 8	22 48.67	− 7 41.9	1.707	2.712	1.8	19.2
9 18	22 39.75	− 8 33.8	1.730	2.707	6.2	19.4
9 28	22 32.15	− 9 17.0	1.780	2.702	10.3	19.7
10 8	22 26.60	− 9 47.6	1.854	2.696	13.8	19.9

305348 2008 AE_{136} 9 4.0 293°.36 2°.8/ 6.9 18

7 30	23 12.27	+ 3 43.6	1.924	2.746	14.9	20.5
8 9	23 8.89	+ 3 21.4	1.831	2.732	11.9	20.3
8 19	23 3.58	+ 2 39.9	1.758	2.718	8.4	20.1
8 29	22 56.83	+ 1 40.8	1.710	2.704	4.8	19.8
9 8	22 49.40	+ 0 28.5	1.688	2.690	2.8	19.7
9 18	22 42.16	− 0 50.6	1.694	2.677	5.6	19.8
9 28	22 36.04	− 2 8.9	1.726	2.663	9.5	20.0
10 8	22 31.77	− 3 19.6	1.782	2.650	13.1	20.2

420862 2013 KY_{2} 9 4.0 30°.09 5°.1/31.5 17

7 30	23 14.63	−12 56.7	0.969	1.876	19.5	19.7
8 9	23 11.84	−14 12.6	0.930	1.887	14.6	19.4
8 19	23 5.86	−15 38.6	0.910	1.899	9.3	19.2
8 29	22 57.71	−17 2.3	0.910	1.912	5.3	19.0
9 8	22 48.92	−18 10.6	0.932	1.926	6.9	19.2
9 18	22 41.09	−18 54.3	0.975	1.941	11.5	19.5
9 28	22 35.61	−19 9.1	1.039	1.958	16.2	19.8
10 8	22 33.23	−18 56.0	1.121	1.974	20.1	20.1

346589 2008 VC_{79} 9 4.0 237°.22 5°.4/29.3 18

7 30	23 17.18	−19 58.3	2.049	2.920	12.2	21.3
8 9	23 12.52	−21 10.8	1.977	2.911	9.4	21.1
8 19	23 5.83	−22 24.8	1.928	2.901	6.7	20.9
8 29	22 57.67	−23 32.9	1.905	2.891	5.4	20.8
9 8	22 48.89	−24 27.7	1.910	2.881	6.6	20.9
9 18	22 40.43	−25 4.0	1.941	2.870	9.3	21.1
9 28	22 33.25	−25 18.9	1.997	2.859	12.3	21.2
10 8	22 28.05	−25 12.6	2.074	2.848	14.9	21.4

339385 2005 BU_{2} 9 4.0 252°.65 0°.7/ 4.7 18

7 30	23 15.98	− 3 5.9	1.820	2.665	14.7	21.4
8 9	23 11.68	− 3 24.8	1.742	2.663	11.3	21.1
8 19	23 5.32	− 3 57.5	1.687	2.661	7.4	20.9
8 29	22 57.47	− 4 40.6	1.656	2.660	3.1	20.6
9 8	22 49.02	− 5 28.8	1.652	2.658	1.7	20.5
9 18	22 40.92	− 6 16.3	1.676	2.656	6.0	20.8
9 28	22 34.14	− 6 57.4	1.725	2.654	10.1	21.1
10 8	22 29.37	− 7 27.7	1.798	2.653	13.6	21.3

481312 2006 AQ_{14} 9 4.0 231°.15 3°.0/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.94	−14 39.3	2.708	3.569	9.9	22.0
8 9	23 8.83	−15 47.1	2.626	3.559	7.5	21.8
8 19	23 3.26	−16 59.5	2.569	3.548	4.9	21.6
8 29	22 56.64	−18 11.3	2.540	3.537	3.1	21.5
9 8	22 49.57	−19 17.1	2.541	3.526	4.0	21.5
9 18	22 42.68	−20 12.4	2.570	3.515	6.5	21.7
9 28	22 36.65	−20 53.7	2.626	3.503	9.2	21.8
10 8	22 32.00	−21 19.3	2.706	3.491	11.5	22.0

400682 2009 PX_{15} 9 4.0 16°.05 0°.5/ 3.6 18

7 30	23 16.08	− 7 47.3	2.076	2.928	12.9	20.8
8 9	23 11.45	− 7 56.1	2.003	2.930	9.7	20.6
8 19	23 5.01	− 8 12.6	1.953	2.932	6.2	20.4
8 29	22 57.32	− 8 33.6	1.928	2.934	2.3	20.1
9 8	22 49.15	− 8 54.9	1.932	2.936	1.9	20.1
9 18	22 41.36	− 9 12.5	1.963	2.939	5.7	20.4
9 28	22 34.75	− 9 23.0	2.021	2.942	9.3	20.6
10 8	22 29.95	− 9 24.0	2.102	2.945	12.4	20.8

62992 2000 WY_{9} 9 4.0 333°.54 0°.4/ 3.6 18

7 30	23 13.19	− 5 51.5	1.933	2.788	13.5	18.9
8 9	23 9.49	− 6 21.4	1.854	2.783	10.3	18.7
8 19	23 3.88	− 7 2.6	1.798	2.778	6.5	18.5
8 29	22 56.92	− 7 51.2	1.767	2.773	2.4	18.2
9 8	22 49.40	− 8 41.7	1.763	2.768	1.9	18.2
9 18	22 42.18	− 9 28.4	1.786	2.764	6.0	18.4
9 28	22 36.15	−10 6.2	1.836	2.760	9.9	18.7
10 8	22 31.96	−10 31.6	1.908	2.756	13.2	18.9

224986 2007 EQ_{94} 9 4.0 277°.38 0°.2/ 3.9 18

7 30	23 16.22	− 4 48.4	1.631	2.488	15.5	21.4
8 9	23 12.28	− 5 20.0	1.542	2.471	12.0	21.1
8 19	23 5.96	− 6 6.9	1.475	2.454	7.7	20.8
8 29	22 57.81	− 7 4.9	1.431	2.436	3.0	20.5
9 8	22 48.77	− 8 7.4	1.413	2.419	2.1	20.4
9 18	22 39.96	− 9 6.9	1.422	2.401	7.1	20.7
9 28	22 32.55	− 9 56.3	1.456	2.383	11.7	20.9
10 8	22 27.42	−10 30.5	1.512	2.365	15.8	21.1

416695 2005 AM_{10} 9 4.0 266°.26 3°.8/31.7 17

7 30	23 17.24	−11 20.5	1.546	2.420	15.3	21.6
8 9	23 13.31	−12 41.0	1.459	2.399	11.6	21.3
8 19	23 6.78	−14 15.4	1.393	2.377	7.5	21.0
8 29	22 58.18	−15 55.4	1.353	2.355	4.0	20.8
9 8	22 48.54	−17 30.2	1.338	2.332	5.4	20.8
9 18	22 39.08	−18 49.8	1.350	2.308	9.8	21.0
9 28	22 31.12	−19 46.5	1.385	2.285	14.3	21.2
10 8	22 25.66	−20 17.2	1.441	2.260	18.2	21.4

90843 1995 YZ_{22} 9 4.0 285°.10 5°.3/30.9 18

7 30	23 17.14	−14 21.7	1.285	2.174	16.9	19.2
8 9	23 13.59	−15 40.0	1.213	2.161	12.8	18.9
8 19	23 7.08	−17 9.0	1.162	2.147	8.5	18.7
8 29	22 58.32	−18 38.4	1.134	2.133	5.4	18.5
9 8	22 48.51	−19 55.9	1.130	2.119	7.0	18.5
9 18	22 39.11	−20 51.6	1.150	2.106	11.4	18.7
9 28	22 31.60	−21 19.4	1.191	2.092	16.0	18.9
10 8	22 26.99	−21 18.4	1.251	2.079	20.0	19.2

401686 2013 HB_{12} 9 4.0 66°.36 2°.3/ 1.6 18

7 30	23 14.83	−12 7.4	2.166	3.029	12.0	21.0
8 9	23 10.38	−12 49.2	2.109	3.043	8.9	20.8
8 19	23 4.25	−13 36.1	2.075	3.057	5.6	20.7
8 29	22 57.02	−14 23.2	2.068	3.071	2.7	20.5
9 8	22 49.43	−15 5.0	2.088	3.085	3.3	20.6
9 18	22 42.28	−15 37.4	2.137	3.099	6.4	20.8
9 28	22 36.28	−15 57.2	2.211	3.113	9.5	21.0
10 8	22 32.00	−16 3.1	2.309	3.128	12.2	21.2

203184 2001 BZ_{56} 9 4.0 169°.24 4°.7/29.9 18

7 30	23 14.38	−15 11.0	1.843	2.719	13.2	20.1
8 9	23 10.52	−16 50.5	1.780	2.720	9.9	19.9
8 19	23 4.60	−18 36.4	1.740	2.721	6.6	19.7
8 29	22 57.23	−20 19.9	1.727	2.722	4.7	19.6
9 8	22 49.27	−21 51.9	1.742	2.722	6.1	19.7
9 18	22 41.69	−23 4.9	1.783	2.722	9.3	19.8
9 28	22 35.43	−23 54.6	1.848	2.723	12.5	20.1
10 8	22 31.19	−24 20.1	1.934	2.723	15.4	20.3

362292 2009 SU_{229} 9 4.0 328°.50 2°.6/ 6.9 18

7 30	23 10.90	+ 3 43.7	2.088	2.907	14.0	20.6
8 9	23 7.66	+ 3 21.6	2.001	2.900	11.2	20.4
8 19	23 2.70	+ 2 42.0	1.935	2.894	7.9	20.2
8 29	22 56.50	+ 1 46.7	1.894	2.887	4.5	20.0
9 8	22 49.75	+ 0 39.9	1.879	2.881	2.7	19.9
9 18	22 43.24	− 0 32.5	1.892	2.875	5.2	20.0
9 28	22 37.76	− 1 44.2	1.932	2.869	8.6	20.2
10 8	22 33.94	− 2 49.0	1.997	2.864	11.9	20.4

331956 2004 VS_{10} 9 4.0 353.°88 10.°6/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 11.67	+16 57.9	1.569	2.336	20.0	19.3
8 9	23 8.97	+18 19.6	1.490	2.328	17.6	19.1
8 19	23 3.92	+19 15.8	1.428	2.321	15.0	18.9
8 29	22 57.07	+19 41.5	1.385	2.316	12.5	18.8
9 8	22 49.35	+19 35.1	1.362	2.312	10.9	18.7
9 18	22 41.87	+18 58.6	1.362	2.309	10.9	18.7
9 28	22 35.82	+17 58.8	1.384	2.308	12.5	18.8
10 8	22 32.08	+16 45.5	1.428	2.308	14.9	18.9

123489 2000 WO_{170} 9 4.0 346.°77 1.°4/ 2.9 18

7 30	23 16.84	− 8 38.4	1.530	2.399	15.7	19.5
8 9	23 12.70	− 9 2.6	1.460	2.397	11.9	19.2
8 19	23 6.15	− 9 37.5	1.411	2.394	7.5	19.0
8 29	22 57.86	−10 17.9	1.386	2.392	2.9	18.7
9 8	22 48.88	−10 57.0	1.387	2.390	2.9	18.7
9 18	22 40.36	−11 28.6	1.413	2.389	7.5	19.0
9 28	22 33.44	−11 47.6	1.464	2.387	11.9	19.2
10 8	22 28.90	−11 51.3	1.536	2.387	15.7	19.5

505725 2015 AQ_{254} 9 4.0 326.°69 5.°5/30.7 17

7 30	23 13.95	−14 6.6	1.186	2.084	17.3	21.3
8 9	23 11.25	−15 30.2	1.122	2.074	13.1	21.0
8 19	23 5.61	−17 5.1	1.077	2.064	8.7	20.7
8 29	22 57.75	−18 40.0	1.055	2.055	5.6	20.5
9 8	22 48.93	−20 2.1	1.056	2.046	7.3	20.6
9 18	22 40.62	−21 0.7	1.080	2.038	11.7	20.8
9 28	22 34.25	−21 29.8	1.125	2.031	16.3	21.1
10 8	22 30.81	−21 28.7	1.188	2.024	20.3	21.3

319149 2005 YU_{39} 9 4.1 28.°48 5.°5/ 9.2 18

7 30	23 16.45	+ 8 45.8	2.075	2.859	15.2	20.0
8 9	23 11.83	+ 9 27.5	1.997	2.863	12.7	19.8
8 19	23 5.34	+ 9 51.9	1.940	2.868	9.8	19.7
8 29	22 57.51	+ 9 58.1	1.906	2.874	7.1	19.5
9 8	22 49.13	+ 9 47.3	1.898	2.879	5.6	19.4
9 18	22 41.05	+ 9 22.4	1.917	2.885	6.5	19.5
9 28	22 34.15	+ 8 48.4	1.962	2.892	9.0	19.7
10 8	22 29.07	+ 8 11.2	2.031	2.898	11.8	19.9

123611 2000 YX_{14} 9 4.1 303.°64 0.°7/ 3.4 18

7 30	23 15.63	− 6 17.3	1.667	2.527	15.1	19.9
8 9	23 11.65	− 6 50.3	1.591	2.523	11.5	19.6
8 19	23 5.43	− 7 36.2	1.537	2.518	7.3	19.4
8 29	22 57.59	− 8 30.1	1.507	2.513	2.7	19.1
9 8	22 49.07	− 9 25.5	1.504	2.509	2.3	19.0
9 18	22 40.92	−10 15.6	1.527	2.504	6.9	19.3
9 28	22 34.19	−10 54.4	1.576	2.500	11.2	19.6
10 8	22 29.64	−11 18.3	1.646	2.496	14.9	19.8

471214 2010 VT_{112} 9 4.1 285.°35 3.°2/10.5 16

7 30	23 6.79	+11 37.4	4.391	5.131	8.4	21.0
8 9	23 3.71	+11 33.2	4.286	5.121	7.0	20.9
8 19	22 59.79	+11 18.4	4.203	5.110	5.5	20.8
8 29	22 55.31	+10 53.4	4.145	5.100	4.1	20.7
9 8	22 50.58	+10 19.3	4.115	5.089	3.2	20.6
9 18	22 45.94	+ 9 38.0	4.114	5.079	3.5	20.6
9 28	22 41.75	+ 8 52.1	4.142	5.068	4.8	20.7
10 8	22 38.32	+ 8 4.5	4.198	5.058	6.3	20.8

479733 2014 DM_{139} 9 4.1 161.°43 0.°9/ 3.1 18

7 30	23 14.47	− 5 49.5	2.026	2.877	13.2	21.5
8 9	23 10.34	− 6 47.7	1.953	2.880	9.9	21.3
8 19	23 4.38	− 7 57.9	1.903	2.882	6.2	21.1
8 29	22 57.14	− 9 15.0	1.879	2.885	2.3	20.8
9 8	22 49.38	−10 32.5	1.883	2.887	2.2	20.8
9 18	22 41.97	−11 43.7	1.916	2.889	6.2	21.1
9 28	22 35.72	−12 42.9	1.975	2.890	9.8	21.3
10 8	22 31.26	−13 26.7	2.058	2.892	13.0	21.5

65510 4241 *P–L* 9 4.1 48.°17 4.°0/ 8.6 18 R

7 30	23 12.24	+ 7 57.0	2.087	2.882	14.8	19.3
8 9	23 8.65	+ 7 40.7	2.005	2.884	12.1	19.1
8 19	23 3.31	+ 7 4.3	1.943	2.886	8.9	18.9
8 29	22 56.73	+ 6 9.0	1.906	2.887	5.8	18.8
9 8	22 49.65	+ 4 58.6	1.895	2.889	4.0	18.7
9 18	22 42.85	+ 3 38.9	1.911	2.891	5.5	18.8
9 28	22 37.13	+ 2 16.8	1.955	2.893	8.5	18.9
10 8	22 33.11	+ 0 59.2	2.024	2.895	11.6	19.1

70714 Rizk 9 4.1 42.°60 1.°0/ 3.3 18

7 30	23 19.05	− 8 36.8	1.646	2.508	15.2	19.1
8 9	23 14.13	− 8 48.2	1.580	2.512	11.5	18.9
8 19	23 6.93	− 9 8.6	1.536	2.517	7.3	18.7
8 29	22 58.13	− 9 33.6	1.516	2.521	2.7	18.4
9 8	22 48.76	− 9 57.6	1.522	2.526	2.4	18.4
9 18	22 39.91	−10 15.8	1.555	2.531	6.9	18.7
9 28	22 32.63	−10 24.1	1.614	2.536	11.1	19.0
10 8	22 27.64	−10 20.3	1.694	2.542	14.7	19.2

487959 2015 TH_{282} 9 4.1 274.°46 3.°4/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.56	+ 5 53.9	2.309	3.108	13.4	21.8
8 9	23 8.80	+ 5 46.2	2.213	3.097	10.9	21.6
8 19	23 3.39	+ 5 21.8	2.139	3.086	8.0	21.4
8 29	22 56.78	+ 4 41.7	2.090	3.075	5.0	21.2
9 8	22 49.61	+ 3 48.7	2.068	3.064	3.4	21.0
9 18	22 42.62	+ 2 47.4	2.074	3.054	5.1	21.1
9 28	22 36.58	+ 1 43.4	2.107	3.043	8.1	21.3
10 8	22 32.09	+ 0 42.5	2.166	3.032	11.2	21.5

255262 2005 VH_{25} 9 4.1 138.°68 3.°6/ 8.2 18

7 30	23 13.97	+ 6 25.7	2.352	3.145	13.4	20.5
8 9	23 9.74	+ 6 25.0	2.270	3.149	10.9	20.4
8 19	23 3.90	+ 6 8.2	2.210	3.152	8.0	20.2
8 29	22 56.95	+ 5 36.2	2.174	3.156	5.2	20.0
9 8	22 49.53	+ 4 51.8	2.165	3.159	3.6	19.9
9 18	22 42.39	+ 3 59.3	2.185	3.163	5.1	20.0
9 28	22 36.23	+ 3 3.7	2.232	3.166	7.9	20.2
10 8	22 31.63	+ 2 10.4	2.305	3.169	10.7	20.4

198180 2004 TH_{107} 9 4.1 280.°43 4.°0/ 8.2 18

7 30	23 12.27	+ 7 55.2	1.749	2.557	16.7	20.2
8 9	23 9.11	+ 7 22.0	1.658	2.546	13.6	20.0
8 19	23 3.85	+ 6 23.1	1.586	2.535	10.0	19.8
8 29	22 57.02	+ 4 59.8	1.538	2.525	6.3	19.5
9 8	22 49.45	+ 3 17.2	1.515	2.514	4.0	19.4
9 18	22 42.11	+ 1 23.5	1.520	2.503	6.1	19.5
9 28	22 36.01	− 0 31.1	1.551	2.492	10.1	19.7
10 8	22 31.94	− 2 16.9	1.607	2.481	13.9	19.9

311494 2005 WR_{26} 9 4.1 147.°61 9.°1/21.1 18

7 30	23 20.98	−42 4.1	2.884	3.704	10.5	21.3
8 9	23 15.02	−43 25.2	2.855	3.712	9.5	21.3
8 19	23 7.21	−44 33.0	2.849	3.720	9.1	21.2
8 29	22 58.18	−45 21.5	2.868	3.728	9.3	21.3
9 8	22 48.78	−45 46.7	2.910	3.736	10.0	21.3
9 18	22 39.87	−45 47.2	2.974	3.743	11.1	21.4
9 28	22 32.30	−45 24.0	3.059	3.749	12.3	21.5
10 8	22 26.62	−44 40.0	3.161	3.755	13.4	21.6

154366 2002 XS_{68} 9 4.1 76.°22 0.°7/ 3.6 18

7 30	23 22.48	− 6 49.0	1.181	2.053	19.2	19.3
8 9	23 17.34	− 7 7.4	1.131	2.067	14.6	19.1
8 19	23 9.21	− 7 40.3	1.099	2.082	9.2	18.8
8 29	22 59.04	− 8 21.3	1.091	2.097	3.4	18.5
9 8	22 48.25	− 9 2.5	1.106	2.111	2.7	18.5
9 18	22 38.36	− 9 36.2	1.147	2.126	8.3	18.9
9 28	22 30.70	− 9 56.7	1.210	2.140	13.3	19.2
10 8	22 26.05	−10 1.2	1.294	2.155	17.5	19.5

511005 2013 OD_{6} 9 4.1 14.°80 2.°9/ 6.1 17

7 30	23 11.44	+ 0 55.9	0.994	1.873	21.5	20.9
8 9	23 9.45	+ 0 53.1	0.941	1.877	16.9	20.6
8 19	23 4.45	+ 0 23.6	0.905	1.883	11.6	20.4
8 29	22 57.30	− 0 29.2	0.889	1.890	5.9	20.1
9 8	22 49.35	− 1 37.0	0.894	1.899	3.2	20.0
9 18	22 42.10	− 2 49.1	0.921	1.909	7.9	20.3
9 28	22 36.96	− 3 54.2	0.969	1.920	13.2	20.6
10 8	22 34.79	− 4 43.8	1.036	1.933	17.9	20.9

265444 2004 XS_{63} 9 4.1 222.°29 1.°5/ 2.3 18

7 30	23 14.36	−10 31.7	2.668	3.519	10.4	20.8
8 9	23 9.87	−11 3.7	2.586	3.513	7.8	20.6
8 19	23 3.92	−11 41.1	2.527	3.507	4.9	20.5
8 29	22 56.95	−12 20.5	2.497	3.501	2.1	20.2
9 8	22 49.56	−12 57.6	2.495	3.494	2.4	20.3
9 18	22 42.40	−13 28.9	2.522	3.488	5.3	20.5
9 28	22 36.13	−13 51.1	2.576	3.481	8.3	20.6
10 8	22 31.26	−14 2.4	2.656	3.474	10.8	20.8

520494 2014 KS_{112} 9 4.1 74.°37 4.°5/ 9.3 18

7 30	23 12.98	+ 9 13.4	2.309	3.089	14.0	20.8
8 9	23 9.03	+ 9 16.6	2.229	3.094	11.5	20.6
8 19	23 3.47	+ 9 2.0	2.169	3.100	8.8	20.4
8 29	22 56.79	+ 8 29.9	2.134	3.106	6.1	20.3
9 8	22 49.67	+ 7 42.9	2.125	3.112	4.5	20.2
9 18	22 42.82	+ 6 45.3	2.144	3.118	5.5	20.3
9 28	22 36.97	+ 5 42.5	2.191	3.124	8.0	20.4
10 8	22 32.69	+ 4 40.6	2.262	3.130	10.7	20.6

476965 2008 YG_{4} 9 4.1 302.°86 7.°7/10.2 16

7 30	23 15.95	+11 49.8	1.732	2.513	17.9	21.2
8 9	23 12.08	+12 40.0	1.638	2.498	15.3	21.0
8 19	23 5.89	+13 8.6	1.562	2.482	12.3	20.8
8 29	22 57.87	+13 12.7	1.508	2.467	9.4	20.6
9 8	22 48.91	+12 52.2	1.478	2.452	7.7	20.4
9 18	22 40.10	+12 9.8	1.472	2.438	8.5	20.5
9 28	22 32.57	+11 12.2	1.492	2.423	11.1	20.6
10 8	22 27.25	+10 7.9	1.533	2.409	14.4	20.7

129175 2005 KT_{11} 9 4.1 28°.32 3°.4/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.92	−11 24.3	1.093	1.989	18.6	19.0
8 9	23 12.56	−12 11.0	1.049	2.000	14.0	18.8
8 19	23 6.25	−13 8.1	1.023	2.011	8.8	18.6
8 29	22 57.93	−14 6.6	1.019	2.023	4.1	18.3
9 8	22 49.00	−14 56.3	1.038	2.037	5.0	18.4
9 18	22 40.92	−15 29.1	1.079	2.051	9.8	18.8
9 28	22 35.01	−15 40.5	1.143	2.067	14.5	19.1
10 8	22 32.01	−15 30.0	1.225	2.083	18.5	19.4

474458 2003 SF_{61} 9 4.1 335°.92 3°.7/ 1.8 16

7 30	23 12.86	−13 23.7	1.162	2.062	17.5	20.1
8 9	23 10.62	−13 44.2	1.083	2.036	13.4	19.8
8 19	23 5.39	−14 12.8	1.022	2.011	8.7	19.5
8 29	22 57.77	−14 42.5	0.983	1.988	4.3	19.1
9 8	22 48.98	−15 4.6	0.967	1.966	5.3	19.1
9 18	22 40.52	−15 11.3	0.972	1.946	10.3	19.3
9 28	22 33.94	−14 57.7	0.998	1.928	15.5	19.6
10 8	22 30.37	−14 22.5	1.043	1.912	20.1	19.8

508820 2001 FB_{62} 9 4.1 183°.75 0°.7/ 3.3 18

7 30	23 16.06	− 6 22.2	2.458	3.297	11.5	22.4
8 9	23 11.25	− 7 6.8	2.377	3.298	8.7	22.2
8 19	23 4.84	− 8 0.8	2.321	3.298	5.5	22.0
8 29	22 57.32	− 9 0.1	2.292	3.297	2.0	21.7
9 8	22 49.34	− 9 59.9	2.292	3.296	1.9	21.7
9 18	22 41.63	−10 55.1	2.322	3.294	5.3	22.0
9 28	22 34.89	−11 41.4	2.379	3.291	8.5	22.2
10 8	22 29.70	−12 16.0	2.462	3.288	11.4	22.3

74966 1999 TB_{208} 9 4.1 185°.75 0°.7/ 3.7 18

7 30	23 30.87	−10 5.9	1.825	2.661	15.0	19.4
8 9	23 22.98	− 9 44.7	1.744	2.662	11.5	19.1
8 19	23 12.55	− 9 28.0	1.686	2.661	7.3	18.9
8 29	23 0.32	− 9 12.9	1.656	2.660	2.8	18.6
9 8	22 47.40	− 8 56.1	1.655	2.659	2.2	18.6
9 18	22 35.02	− 8 34.8	1.683	2.657	6.7	18.9
9 28	22 24.35	− 8 7.3	1.740	2.654	11.0	19.1
10 8	22 16.21	− 7 32.7	1.821	2.651	14.5	19.3

287072 2002 RN_{29} 9 4.1 345°.03 2°.9/ 6.3 18

7 30	23 12.97	+ 0 37.5	1.441	2.293	17.5	19.5
8 9	23 9.99	+ 0 47.1	1.364	2.284	13.9	19.3
8 19	23 4.57	+ 0 37.9	1.306	2.276	9.6	19.0
8 29	22 57.34	+ 0 11.5	1.270	2.268	5.2	18.7
9 8	22 49.31	− 0 27.8	1.258	2.262	3.0	18.6
9 18	22 41.62	− 1 13.6	1.271	2.256	6.7	18.8
9 28	22 35.46	− 1 58.5	1.308	2.252	11.3	19.0
10 8	22 31.69	− 2 35.7	1.367	2.248	15.4	19.3

398946 2013 CS_{213} 9 4.1 101°.86 0°.5/ 4.6 18

7 30	23 14.73	− 3 6.8	2.107	2.946	13.2	21.4
8 9	23 10.44	− 3 32.0	2.035	2.952	10.1	21.2
8 19	23 4.40	− 4 9.2	1.985	2.958	6.5	21.0
8 29	22 57.16	− 4 55.1	1.961	2.964	2.7	20.8
9 8	22 49.47	− 5 44.8	1.964	2.970	1.5	20.7
9 18	22 42.12	− 6 33.3	1.996	2.976	5.3	21.0
9 28	22 35.90	− 7 15.7	2.055	2.981	8.8	21.2
10 8	22 31.41	− 7 48.3	2.138	2.987	12.0	21.4

304405 2006 TE_{33} 9 4.1 36°.19 2°.8/ 1.5 18

7 30	23 16.70	−13 9.9	1.899	2.767	13.2	20.8
8 9	23 12.14	−13 47.1	1.833	2.769	9.9	20.6
8 19	23 5.58	−14 29.5	1.789	2.771	6.3	20.4
8 29	22 57.64	−15 11.6	1.772	2.774	3.2	20.2
9 8	22 49.19	−15 47.5	1.781	2.777	4.0	20.2
9 18	22 41.19	−16 12.2	1.817	2.780	7.4	20.5
9 28	22 34.52	−16 22.6	1.879	2.782	10.9	20.7
10 8	22 29.84	−16 17.6	1.963	2.786	13.9	20.9

309123 2006 WH_{187} 9 4.1 325°.69 6°.2/28.4 18

7 30	23 14.49	−21 7.2	1.887	2.767	12.7	20.0
8 9	23 10.65	−22 31.1	1.825	2.763	9.8	19.9
8 19	23 4.73	−23 55.6	1.786	2.758	7.3	19.7
8 29	22 57.34	−25 12.2	1.773	2.754	6.2	19.6
9 8	22 49.37	−26 13.0	1.786	2.750	7.5	19.7
9 18	22 41.80	−26 52.4	1.824	2.747	10.2	19.9
9 28	22 35.56	−27 7.8	1.885	2.743	13.1	20.0
10 8	22 31.37	−26 59.8	1.967	2.740	15.7	20.2

65344 2002 NL_{18} 9 4.1 33°.78 4°.6/ 7.5 17

7 30	23 14.52	+ 4 40.6	1.126	1.978	21.3	19.2
8 9	23 11.45	+ 4 46.6	1.074	1.990	17.1	19.0
8 19	23 5.56	+ 4 24.8	1.040	2.004	12.2	18.7
8 29	22 57.70	+ 3 37.1	1.025	2.018	7.3	18.5
9 8	22 49.17	+ 2 30.0	1.033	2.034	4.6	18.4
9 18	22 41.37	+ 1 13.3	1.064	2.050	7.6	18.6
9 28	22 35.58	− 0 1.8	1.118	2.067	12.2	19.0
10 8	22 32.58	− 1 6.1	1.193	2.084	16.4	19.3

513409 2008 SX_{117} 9 4.1 254°.84 4°.1/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.73	−16 48.9	1.925	2.790	13.2	22.2
8 9	23 15.37	−17 26.9	1.843	2.776	10.1	22.0
8 19	23 7.78	−18 7.8	1.784	2.762	6.7	21.8
8 29	22 58.54	−18 45.2	1.750	2.747	4.2	21.6
9 8	22 48.59	−19 12.9	1.744	2.732	5.2	21.6
9 18	22 38.97	−19 26.0	1.765	2.717	8.5	21.8
9 28	22 30.72	−19 21.7	1.812	2.701	12.0	22.0
10 8	22 24.64	−18 59.8	1.880	2.685	15.1	22.2

69358 1994 PC_{9} 9 4.1 301°.66 0°.0/ 4.1 18

7 30	23 15.23	− 4 31.5	1.730	2.584	14.9	18.8
8 9	23 11.32	− 4 56.5	1.650	2.577	11.4	18.5
8 19	23 5.23	− 5 35.2	1.592	2.570	7.4	18.3
8 29	22 57.57	− 6 23.6	1.558	2.562	2.9	18.0
9 8	22 49.22	− 7 15.9	1.550	2.555	1.8	17.9
9 18	22 41.19	− 8 5.8	1.569	2.548	6.4	18.2
9 28	22 34.50	− 8 47.2	1.614	2.542	10.7	18.4
10 8	22 29.91	− 9 15.8	1.681	2.535	14.4	18.7

25982 2001 FQ_{57} 9 4.1 30°.26 4°.9/10.8 18

7 30	23 10.29	+13 10.7	2.300	3.061	14.5	18.0
8 9	23 7.06	+12 42.8	2.214	3.064	12.2	17.8
8 19	23 2.26	+11 52.7	2.149	3.067	9.5	17.6
8 29	22 56.37	+10 40.9	2.107	3.071	6.8	17.5
9 8	22 50.03	+ 9 11.2	2.091	3.074	5.0	17.4
9 18	22 43.96	+ 7 29.1	2.104	3.077	5.6	17.4
9 28	22 38.85	+ 5 42.2	2.144	3.081	7.9	17.6
10 8	22 35.27	+ 3 57.9	2.211	3.085	10.7	17.7

317288 2002 GR_{1} 9 4.1 142°.90 2°.9/31.5 18

7 30	23 13.90	−13 59.0	2.393	3.256	11.0	20.9
8 9	23 9.67	−14 56.9	2.325	3.259	8.2	20.8
8 19	23 3.86	−15 59.2	2.283	3.263	5.3	20.6
8 29	22 56.96	−17 0.5	2.267	3.266	3.1	20.5
9 8	22 49.66	−17 55.3	2.280	3.270	3.9	20.5
9 18	22 42.67	−18 39.2	2.321	3.273	6.7	20.7
9 28	22 36.70	−19 8.8	2.388	3.276	9.5	20.9
10 8	22 32.28	−19 23.0	2.478	3.279	12.0	21.1

513177 2004 TX_{159} 9 4.1 304°.03 7°.3/29.7 18

7 30	23 22.24	−23 50.7	1.581	2.458	14.9	21.3
8 9	23 17.00	−24 38.0	1.511	2.445	11.8	21.1
8 19	23 9.02	−25 21.9	1.463	2.432	8.9	20.9
8 29	22 59.06	−25 53.4	1.439	2.420	7.4	20.7
9 8	22 48.30	−26 4.5	1.439	2.408	8.6	20.8
9 18	22 38.09	−25 50.8	1.464	2.396	11.6	20.9
9 28	22 29.72	−25 11.6	1.512	2.384	15.0	21.1
10 8	22 24.05	−24 9.7	1.580	2.373	18.1	21.3

257140 2008 HJ_{4} 9 4.1 97°.71 4°.2/30.9 18

7 30	23 17.45	−18 36.8	2.209	3.075	11.7	20.2
8 9	23 12.43	−19 19.3	2.147	3.080	8.9	20.0
8 19	23 5.64	−20 2.2	2.110	3.086	6.0	19.8
8 29	22 57.64	−20 39.9	2.099	3.091	4.2	19.7
9 8	22 49.25	−21 7.2	2.116	3.097	5.1	19.8
9 18	22 41.28	−21 20.6	2.160	3.102	7.7	20.0
9 28	22 34.54	−21 18.0	2.229	3.107	10.5	20.2
10 8	22 29.61	−20 59.9	2.321	3.112	13.0	20.4

349270 2007 TS_{227} 9 4.1 304°.88 0°.3/ 4.3 18

7 30	23 15.26	− 4 17.2	1.782	2.634	14.7	21.5
8 9	23 11.29	− 4 36.8	1.701	2.626	11.3	21.2
8 19	23 5.20	− 5 9.6	1.641	2.618	7.3	21.0
8 29	22 57.56	− 5 52.1	1.606	2.610	2.9	20.7
9 8	22 49.26	− 6 38.8	1.597	2.603	1.7	20.6
9 18	22 41.26	− 7 23.9	1.616	2.596	6.2	20.9
9 28	22 34.56	− 8 1.6	1.660	2.589	10.4	21.1
10 8	22 29.90	− 8 27.7	1.726	2.582	14.1	21.3

366094 2012 CG_{52} 9 4.1 154°.27 0°.3/ 3.6 18

7 30	23 12.23	− 4 49.5	2.539	3.380	11.2	21.5
8 9	23 8.32	− 5 39.1	2.463	3.383	8.4	21.3
8 19	23 2.97	− 6 38.8	2.410	3.386	5.3	21.1
8 29	22 56.63	− 7 44.7	2.384	3.389	2.0	20.9
9 8	22 49.89	− 8 52.0	2.387	3.392	1.6	20.8
9 18	22 43.41	− 9 55.7	2.420	3.395	4.9	21.1
9 28	22 37.82	−10 51.3	2.480	3.397	8.0	21.3
10 8	22 33.63	−11 35.5	2.566	3.399	10.7	21.5

138240 2000 FP_{33} 9 4.1 221°.88 5°.8/29.4 18

7 30	23 20.49	−20 25.8	1.933	2.802	13.0	20.2
8 9	23 15.22	−21 39.2	1.860	2.792	10.0	20.0
8 19	23 7.69	−22 53.9	1.811	2.783	7.2	19.8
8 29	22 58.52	−24 1.6	1.788	2.772	5.8	19.7
9 8	22 48.66	−24 54.6	1.791	2.761	7.1	19.8
9 18	22 39.15	−25 27.3	1.822	2.749	9.9	19.9
9 28	22 31.06	−25 37.0	1.876	2.737	13.0	20.1
10 8	22 25.15	−25 24.2	1.952	2.724	15.8	20.3

77205 2001 FX_{20} 9 4.1 55°.81 4°.8/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.68	+10 3.5	1.842	2.634	16.6	19.5
8 9	23 9.24	+ 9 44.2	1.762	2.636	13.7	19.3
8 19	23 3.84	+ 9 0.5	1.701	2.639	10.3	19.1
8 29	22 57.03	+ 7 53.3	1.664	2.641	7.0	18.9
9 8	22 49.64	+ 6 26.9	1.652	2.643	4.9	18.8
9 18	22 42.57	+ 4 48.4	1.667	2.646	6.2	18.9
9 28	22 36.74	+ 3 6.5	1.709	2.649	9.4	19.1
10 8	22 32.83	+ 1 30.1	1.775	2.651	12.7	19.3

72480 2001 DY_{38} 9 4.1 344°.23 5°.6/ 7.7 18

7 30	23 14.03	+ 4 27.2	1.149	2.001	21.0	18.4
8 9	23 11.38	+ 5 4.8	1.077	1.992	17.1	18.2
8 19	23 5.79	+ 5 17.9	1.023	1.985	12.7	17.9
8 29	22 57.93	+ 5 5.1	0.988	1.978	8.1	17.6
9 8	22 49.02	+ 4 29.4	0.975	1.973	5.6	17.5
9 18	22 40.52	+ 3 37.5	0.984	1.968	8.3	17.6
9 28	22 33.92	+ 2 39.4	1.015	1.965	13.0	17.9
10 8	22 30.26	+ 1 45.2	1.066	1.963	17.5	18.1

182045 2000 CC_{131} 9 4.1 49°.71 2°.6/ 1.8 17

7 30	23 14.59	− 7 37.5	1.257	2.139	17.6	19.7
8 9	23 11.21	− 9 2.9	1.213	2.157	13.1	19.5
8 19	23 5.26	−10 43.3	1.189	2.175	8.1	19.2
8 29	22 57.58	−12 28.5	1.189	2.194	3.4	19.0
9 8	22 49.38	−14 6.8	1.213	2.213	4.3	19.1
9 18	22 41.92	−15 28.0	1.263	2.233	8.9	19.5
9 28	22 36.32	−16 25.6	1.336	2.253	13.3	19.8
10 8	22 33.28	−16 57.5	1.428	2.273	17.0	20.1

339230 2004 TW_{367} 9 4.1 321°.02 0°.8/ 3.5 18

7 30	23 16.64	− 7 56.1	1.410	2.283	16.6	21.3
8 9	23 12.97	− 8 4.6	1.329	2.267	12.8	21.0
8 19	23 6.62	− 8 24.6	1.267	2.250	8.2	20.7
8 29	22 58.23	− 8 51.8	1.229	2.235	3.1	20.4
9 8	22 48.87	− 9 20.1	1.215	2.220	2.6	20.3
9 18	22 39.84	− 9 42.9	1.226	2.205	7.9	20.6
9 28	22 32.45	− 9 54.9	1.261	2.192	12.8	20.9
10 8	22 27.66	− 9 52.4	1.316	2.179	17.1	21.1

181618 2006 WX_{149} 9 4.1 252°.64 1°.6/ 1.7 17

7 30	23 11.03	−12 0.5	3.435	4.286	8.3	21.9
8 9	23 7.12	−12 35.6	3.345	4.273	6.2	21.8
8 19	23 2.10	−13 14.4	3.281	4.260	3.9	21.6
8 29	22 56.30	−13 54.0	3.245	4.247	1.8	21.4
9 8	22 50.16	−14 31.2	3.238	4.234	2.3	21.4
9 18	22 44.17	−15 3.1	3.261	4.221	4.6	21.6
9 28	22 38.81	−15 27.2	3.311	4.208	6.9	21.7
10 8	22 34.49	−15 41.9	3.387	4.194	9.0	21.9

37106 2000 UC_{101} 9 4.1 65°.26 3°.4/ 6.4 18 R

7 30	23 22.33	+ 1 4.4	1.270	2.114	19.8	17.8
8 9	23 17.02	+ 1 25.2	1.220	2.134	15.6	17.6
8 19	23 8.94	+ 1 25.6	1.188	2.154	10.8	17.4
8 29	22 58.99	+ 1 7.4	1.178	2.175	5.8	17.2
9 8	22 48.49	+ 0 35.6	1.193	2.196	3.6	17.1
9 18	22 38.84	− 0 2.9	1.233	2.216	7.2	17.4
9 28	22 31.25	− 0 40.7	1.297	2.237	11.7	17.7
10 8	22 26.49	− 1 11.1	1.383	2.258	15.7	18.0

318484 2005 EA_{98} 9 4.1 119°.75 2°.6/ 6.1 18

7 30	23 20.48	+ 0 59.0	1.585	2.416	17.1	20.5
8 9	23 15.32	+ 0 57.8	1.518	2.427	13.5	20.3
8 19	23 7.78	+ 0 38.7	1.472	2.437	9.2	20.1
8 29	22 58.57	+ 0 3.8	1.450	2.447	4.8	19.9
9 8	22 48.74	− 0 41.9	1.454	2.457	2.7	19.8
9 18	22 39.45	− 1 31.9	1.484	2.466	6.4	20.0
9 28	22 31.79	− 2 19.5	1.541	2.475	10.6	20.3
10 8	22 26.51	− 2 58.7	1.620	2.484	14.4	20.5

495357 2014 OV_{88} 9 4.1 184°.13 1°.3/ 5.7 18

7 30	23 13.68	− 0 19.3	2.505	3.326	11.9	21.5
8 9	23 9.46	− 0 40.1	2.421	3.326	9.2	21.3
8 19	23 3.73	− 1 12.8	2.361	3.326	6.2	21.2
8 29	22 56.96	− 1 55.2	2.326	3.326	3.0	20.9
9 8	22 49.76	− 2 43.6	2.320	3.325	1.6	20.8
9 18	22 42.80	− 3 33.6	2.344	3.324	4.5	21.1
9 28	22 36.74	− 4 20.9	2.395	3.323	7.7	21.3
10 8	22 32.14	− 5 1.4	2.471	3.322	10.5	21.4

263410 2008 DY_{35} 9 4.1 204°.69 0°.0/ 3.9 18

7 30	23 14.16	− 4 29.1	2.217	3.060	12.5	21.2
8 9	23 10.02	− 5 1.1	2.138	3.058	9.5	21.0
8 19	23 4.18	− 5 44.2	2.081	3.057	6.1	20.8
8 29	22 57.15	− 6 34.7	2.051	3.055	2.4	20.5
9 8	22 49.64	− 7 28.0	2.048	3.054	1.5	20.5
9 18	22 42.40	− 8 18.8	2.074	3.052	5.3	20.7
9 28	22 36.21	− 9 2.4	2.128	3.050	8.8	21.0
10 8	22 31.66	− 9 35.3	2.205	3.048	11.9	21.2

235116 2003 PH_{7} 9 4.1 347°.03 1°.6/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.82	− 1 0.0	1.309	2.176	18.0	19.4
8 9	23 8.57	− 1 17.5	1.236	2.167	14.1	19.1
8 19	23 3.79	− 1 55.9	1.182	2.159	9.4	18.9
8 29	22 57.13	− 2 52.0	1.149	2.152	4.3	18.6
9 8	22 49.63	− 3 58.6	1.140	2.146	2.2	18.4
9 18	22 42.53	− 5 7.1	1.156	2.141	7.1	18.7
9 28	22 37.04	− 6 8.2	1.194	2.138	12.1	19.0
10 8	22 34.04	− 6 54.9	1.253	2.135	16.5	19.2

337780 2001 UH_{178} 9 4.1 292°.33 20°.0/22.2 16

7 30	23 39.82	−45 58.9	1.091	1.937	22.3	19.8
8 9	23 32.61	−47 41.8	1.050	1.925	20.8	19.7
8 19	23 19.97	−48 54.8	1.025	1.912	20.0	19.6
8 29	23 3.42	−49 18.3	1.016	1.900	20.2	19.5
9 8	22 45.77	−48 39.9	1.024	1.888	21.4	19.6
9 18	22 30.11	−46 58.9	1.048	1.877	23.4	19.7
9 28	22 18.77	−44 25.2	1.087	1.865	25.6	19.8
10 8	22 12.64	−41 14.2	1.140	1.854	27.8	20.0

482451 2012 DY_{62} 9 4.1 255°.16 1°.1/ 5.2 18

7 30	23 16.04	− 2 34.4	2.307	3.136	12.5	21.2
8 9	23 11.39	− 2 35.8	2.220	3.131	9.7	21.0
8 19	23 5.05	− 2 47.5	2.157	3.126	6.4	20.8
8 29	22 57.50	− 3 7.6	2.120	3.121	3.0	20.6
9 8	22 49.43	− 3 32.9	2.110	3.116	1.6	20.5
9 18	22 41.61	− 3 59.5	2.130	3.110	4.9	20.7
9 28	22 34.81	− 4 23.6	2.177	3.105	8.3	20.9
10 8	22 29.64	− 4 41.6	2.248	3.099	11.4	21.1

507680 2013 SK_{51} 9 4.1 301°.46 2°.9/ 1.9 18

7 30	23 16.29	−10 37.8	1.384	2.264	16.4	21.1
8 9	23 12.83	−11 23.4	1.302	2.244	12.5	20.8
8 19	23 6.62	−12 21.4	1.240	2.225	8.0	20.5
8 29	22 58.28	−13 24.8	1.201	2.206	3.6	20.2
9 8	22 48.88	−14 24.6	1.187	2.187	4.5	20.2
9 18	22 39.77	−15 11.9	1.198	2.168	9.3	20.4
9 28	22 32.32	−15 40.2	1.231	2.149	14.2	20.6
10 8	22 27.55	−15 46.4	1.284	2.132	18.4	20.8

403429 2009 SA_{141} 9 4.1 85°.58 0°.7/ 3.4 18

7 30	23 16.92	− 8 24.5	2.345	3.191	11.8	21.3
8 9	23 11.90	− 8 36.1	2.276	3.200	8.9	21.1
8 19	23 5.26	− 8 54.2	2.231	3.209	5.6	20.9
8 29	22 57.54	− 9 15.6	2.213	3.218	2.1	20.7
9 8	22 49.44	− 9 36.4	2.223	3.227	1.8	20.7
9 18	22 41.72	− 9 53.3	2.263	3.237	5.2	21.0
9 28	22 35.09	−10 3.2	2.329	3.246	8.5	21.2
10 8	22 30.08	−10 4.4	2.420	3.255	11.2	21.4

484900 2009 RJ_{9} 9 4.1 342°.44 4°.0/ 8.4 17

7 30	23 8.33	+ 7 33.5	1.785	2.600	16.1	20.8
8 9	23 6.08	+ 7 6.9	1.697	2.589	13.2	20.6
8 19	23 1.93	+ 6 16.2	1.628	2.579	9.7	20.4
8 29	22 56.36	+ 5 2.7	1.583	2.570	6.1	20.1
9 8	22 50.16	+ 3 31.1	1.563	2.561	4.0	20.0
9 18	22 44.19	+ 1 49.0	1.570	2.553	5.9	20.1
9 28	22 39.38	+ 0 5.6	1.602	2.547	9.5	20.3
10 8	22 36.44	− 1 30.3	1.659	2.541	13.1	20.5

188824 2005 YZ_{94} 9 4.1 354°.76 1°.2/ 2.8 18

7 30	23 11.11	− 6 40.1	1.888	2.751	13.5	19.7
8 9	23 8.01	− 7 34.6	1.815	2.748	10.2	19.4
8 19	23 3.04	− 8 41.3	1.764	2.746	6.4	19.2
8 29	22 56.76	− 9 54.8	1.739	2.745	2.4	19.0
9 8	22 49.94	−11 8.3	1.740	2.743	2.5	19.0
9 18	22 43.44	−12 14.9	1.769	2.743	6.5	19.2
9 28	22 38.11	−13 9.0	1.824	2.742	10.3	19.5
10 8	22 34.60	−13 46.9	1.901	2.743	13.5	19.7

469331 2000 GM_{144} 9 4.1 91°.67 1°.1/ 3.2 17

7 30	23 19.87	− 7 36.8	1.611	2.470	15.6	21.9
8 9	23 14.73	− 8 9.9	1.555	2.486	11.7	21.7
8 19	23 7.31	− 8 53.8	1.521	2.502	7.4	21.4
8 29	22 58.37	− 9 42.9	1.512	2.518	2.8	21.2
9 8	22 48.96	−10 30.5	1.530	2.533	2.6	21.2
9 18	22 40.17	−11 10.3	1.574	2.549	7.0	21.5
9 28	22 33.03	−11 37.7	1.644	2.564	11.1	21.8
10 8	22 28.19	−11 50.4	1.736	2.579	14.6	22.1

451652 2012 TG_{129} 9 4.1 106°.24 9°.6/13.9 16

7 30	23 13.50	+21 21.9	1.200	1.965	25.1	21.0
8 9	23 10.92	+20 51.6	1.128	1.970	21.8	20.8
8 19	23 5.44	+19 32.9	1.069	1.975	17.9	20.6
8 29	22 57.81	+17 22.2	1.028	1.979	13.7	20.3
9 8	22 49.27	+14 24.2	1.009	1.984	10.3	20.2
9 18	22 41.27	+10 53.2	1.014	1.989	9.9	20.2
9 28	22 35.23	+ 7 10.7	1.044	1.993	12.8	20.3
10 8	22 32.08	+ 3 39.1	1.098	1.997	16.9	20.6

510981 2013 HC_{11} 9 4.1 175°.65 2°.0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.73	− 9 44.8	2.725	3.575	10.2	21.8
8 9	23 8.67	−11 6.4	2.649	3.577	7.6	21.6
8 19	23 3.21	−12 35.7	2.598	3.579	4.7	21.4
8 29	22 56.78	−14 7.4	2.577	3.580	2.2	21.3
9 8	22 49.95	−15 35.7	2.586	3.581	3.0	21.3
9 18	22 43.33	−16 55.4	2.624	3.581	5.8	21.5
9 28	22 37.54	−18 2.2	2.691	3.581	8.5	21.7
10 8	22 33.10	−18 53.5	2.782	3.580	10.9	21.9

107447 2001 DR_{19} 9 4.1 190°.99 3°.6/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.31	−13 3.1	1.673	2.542	14.6	19.7
8 9	23 14.49	−14 4.2	1.605	2.541	11.0	19.4
8 19	23 7.31	−15 12.9	1.559	2.540	7.1	19.2
8 29	22 58.44	−16 21.8	1.538	2.539	3.9	19.0
9 8	22 48.89	−17 22.5	1.544	2.537	4.9	19.1
9 18	22 39.80	−18 8.2	1.577	2.535	8.7	19.3
9 28	22 32.25	−18 34.5	1.634	2.532	12.5	19.5
10 8	22 27.03	−18 40.4	1.712	2.529	15.9	19.7

295832 2008 UO_{370} 9 4.1 321°.41 0°.1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.80	− 4 51.7	1.487	2.353	16.3	20.4
8 9	23 10.65	− 5 18.7	1.406	2.339	12.5	20.1
8 19	23 5.06	− 6 1.6	1.345	2.326	8.1	19.8
8 29	22 57.64	− 6 55.9	1.308	2.313	3.1	19.5
9 8	22 49.37	− 7 54.8	1.295	2.301	2.1	19.4
9 18	22 41.40	− 8 50.4	1.308	2.289	7.3	19.7
9 28	22 34.92	− 9 35.6	1.345	2.278	12.0	20.0
10 8	22 30.81	−10 5.1	1.404	2.267	16.2	20.2

106264 2000 UP_{62} 9 4.1 236°.36 3°.4/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.28	−16 36.9	2.286	3.147	11.5	19.4
8 9	23 13.11	−17 8.6	2.210	3.142	8.7	19.2
8 19	23 6.15	−17 42.2	2.158	3.136	5.8	19.0
8 29	22 57.93	−18 12.6	2.133	3.130	3.5	18.9
9 8	22 49.23	−18 35.2	2.136	3.125	4.3	18.9
9 18	22 40.86	−18 46.0	2.167	3.119	7.1	19.1
9 28	22 33.64	−18 43.1	2.225	3.113	10.1	19.3
10 8	22 28.18	−18 25.9	2.305	3.106	12.8	19.4

496895 2001 AF_{47} 9 4.1 235°.00 11°.1/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.33	−37 52.7	2.043	2.879	13.7	21.6
8 9	23 22.32	−39 28.4	1.980	2.861	12.1	21.5
8 19	23 12.45	−40 51.7	1.940	2.843	11.2	21.4
8 29	23 0.47	−41 52.2	1.924	2.824	11.3	21.4
9 8	22 47.60	−42 21.8	1.932	2.804	12.5	21.4
9 18	22 35.25	−42 16.7	1.963	2.782	14.3	21.5
9 28	22 24.78	−41 38.2	2.014	2.760	16.3	21.6
10 8	22 17.11	−40 31.1	2.083	2.737	18.2	21.7

13465 1194 $T\text{-}_3$ 9 4.1 15°.49 3°.1/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.32	− 0 49.1	1.191	2.052	19.8	17.2
8 9	23 14.40	− 0 19.2	1.129	2.055	15.6	17.0
8 19	23 7.56	− 0 7.9	1.086	2.059	10.7	16.7
8 29	22 58.60	− 0 14.0	1.064	2.063	5.6	16.5
9 8	22 48.81	− 0 33.1	1.065	2.069	3.3	16.3
9 18	22 39.67	− 0 59.1	1.090	2.075	7.6	16.6
9 28	22 32.52	− 1 24.7	1.137	2.082	12.5	16.9
10 8	22 28.29	− 1 43.4	1.205	2.089	16.9	17.2

508103 2015 DC_{157} 9 4.1 291°.09 4°.4/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.51	+ 5 21.2	1.357	2.192	19.3	21.4
8 9	23 11.51	+ 5 16.7	1.270	2.176	15.7	21.2
8 19	23 5.82	+ 4 45.6	1.201	2.160	11.4	20.9
8 29	22 58.01	+ 3 48.0	1.153	2.145	6.9	20.6
9 8	22 49.12	+ 2 28.7	1.128	2.129	4.4	20.4
9 18	22 40.43	+ 0 56.0	1.129	2.113	7.4	20.5
9 28	22 33.34	− 0 38.5	1.153	2.098	12.3	20.8
10 8	22 28.88	− 2 4.1	1.198	2.083	16.9	21.0

129648 1998 MB_4 9 4.1 345°.65 4°.6/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.31	−15 27.6	1.780	2.663	13.2	19.3
8 9	23 8.35	−16 49.1	1.713	2.657	9.9	19.1
8 19	23 3.36	−18 16.7	1.669	2.651	6.6	18.9
8 29	22 56.92	−19 42.4	1.650	2.645	4.6	18.8
9 8	22 49.88	−20 57.6	1.657	2.641	6.0	18.9
9 18	22 43.18	−21 55.4	1.690	2.637	9.2	19.1
9 28	22 37.78	−22 31.5	1.747	2.633	12.5	19.3
10 8	22 34.35	−22 44.6	1.824	2.630	15.5	19.5

412571 2014 NJ_{62} 9 4.1 348°.86 0°.7/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.58	− 4 41.3	1.748	2.603	14.7	20.1
8 9	23 10.81	− 4 37.3	1.670	2.596	11.4	19.9
8 19	23 4.93	− 4 44.7	1.613	2.589	7.4	19.6
8 29	22 57.53	− 5 0.8	1.580	2.584	3.1	19.4
9 8	22 49.49	− 5 21.3	1.573	2.579	1.7	19.3
9 18	22 41.79	− 5 41.8	1.593	2.575	6.0	19.5
9 28	22 35.41	− 5 57.6	1.638	2.572	10.2	19.8
10 8	22 31.08	− 6 4.8	1.706	2.569	13.8	20.0

358920 2008 HD_8 9 4.1 10°.39 4°.1/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.81	−15 9.4	1.918	2.795	12.7	20.5
8 9	23 9.28	−16 23.3	1.855	2.796	9.5	20.3
8 19	23 3.85	−17 42.3	1.816	2.797	6.3	20.1
8 29	22 57.08	−18 59.0	1.802	2.799	4.1	20.0
9 8	22 49.81	−20 6.1	1.816	2.801	5.3	20.1
9 18	22 42.91	−20 57.6	1.855	2.803	8.4	20.3
9 28	22 37.25	−21 29.6	1.920	2.806	11.6	20.5
10 8	22 33.47	−21 41.3	2.005	2.809	14.4	20.7

217735 2000 AG_{40} 9 4.1 303°.11 6°.0/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.09	+ 9 40.3	2.180	2.954	14.9	19.7
8 9	23 12.52	+10 30.2	2.079	2.937	12.6	19.5
8 19	23 5.99	+11 4.3	1.999	2.920	9.9	19.3
8 29	22 57.97	+11 20.7	1.942	2.904	7.4	19.1
9 8	22 49.19	+11 19.5	1.911	2.887	6.1	19.0
9 18	22 40.50	+11 2.6	1.907	2.871	6.9	19.0
9 28	22 32.83	+10 34.2	1.929	2.855	9.4	19.1
10 8	22 26.93	+10 0.0	1.976	2.839	12.2	19.3

415762 2000 SL_{31} 9 4.1 343°.04 1°.6/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.37	−10 7.6	1.087	1.976	19.3	20.1
8 9	23 15.62	−10 3.2	1.022	1.968	14.8	19.8
8 19	23 8.58	−10 8.7	0.975	1.961	9.4	19.5
8 29	22 59.08	−10 19.0	0.948	1.954	3.7	19.2
9 8	22 48.53	−10 26.8	0.945	1.949	3.4	19.2
9 18	22 38.61	−10 26.1	0.964	1.945	9.2	19.5
9 28	22 30.91	−10 12.3	1.005	1.941	14.7	19.8
10 8	22 26.46	− 9 43.6	1.065	1.939	19.4	20.1

354001 2000 SX_{371} 9 4.1 314°.57 3°.1/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.74	− 9 55.1	1.379	2.264	16.2	20.5
8 9	23 10.27	−10 54.1	1.286	2.231	12.4	20.2
8 19	23 5.12	−12 9.1	1.213	2.200	7.9	19.9
8 29	22 57.80	−13 33.1	1.163	2.168	3.7	19.6
9 8	22 49.28	−14 55.9	1.138	2.137	4.8	19.5
9 18	22 40.85	−16 7.0	1.137	2.107	9.8	19.7
9 28	22 33.93	−16 57.5	1.158	2.077	14.8	19.9
10 8	22 29.63	−17 22.7	1.198	2.048	19.3	20.1

447049 2004 RO_{160} 9 4.1 330°.55 2°.0/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.73	+ 1 57.4	1.915	2.747	14.6	21.0
8 9	23 7.77	+ 1 26.6	1.828	2.738	11.5	20.8
8 19	23 2.96	+ 0 37.4	1.763	2.729	7.9	20.6
8 29	22 56.79	− 0 27.5	1.722	2.720	4.1	20.3
9 8	22 50.01	− 1 43.0	1.708	2.712	2.1	20.2
9 18	22 43.47	− 3 2.4	1.721	2.704	5.4	20.4
9 28	22 38.04	− 4 18.2	1.760	2.697	9.3	20.6
10 8	22 34.40	− 5 24.3	1.823	2.690	12.9	20.8

443153 2014 CR_5 9 4.1 94°.19 4°.0/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.89	−14 8.7	1.794	2.668	13.6	21.0
8 9	23 11.67	−15 25.1	1.737	2.676	10.2	20.8
8 19	23 5.39	−16 47.3	1.703	2.684	6.6	20.6
8 29	22 57.69	−18 7.6	1.694	2.693	4.1	20.5
9 8	22 49.49	−19 17.8	1.713	2.701	5.3	20.6
9 18	22 41.75	−20 11.7	1.758	2.709	8.5	20.8
9 28	22 35.42	−20 45.3	1.828	2.717	11.9	21.0
10 8	22 31.14	−20 57.9	1.919	2.725	14.8	21.2

344187 2001 FK_{202} 9 4.1 234°.29 0°.9/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.17	− 1 29.7	2.019	2.854	13.8	21.6
8 9	23 11.03	− 2 0.5	1.933	2.847	10.7	21.4
8 19	23 4.99	− 2 46.1	1.868	2.839	7.1	21.1
8 29	22 57.57	− 3 43.2	1.829	2.832	3.1	20.9
9 8	22 49.53	− 4 46.8	1.818	2.824	1.6	20.8
9 18	22 41.74	− 5 50.7	1.835	2.815	5.5	21.0
9 28	22 35.08	− 6 48.9	1.878	2.807	9.4	21.2
10 8	22 30.23	− 7 36.5	1.946	2.798	12.8	21.4

164143 2003 YG_{91} 9 4.1 337°.85 7°.4/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 8.47	−17 56.2	1.231	2.138	16.1	18.2
8 9	23 7.14	−19 44.0	1.163	2.118	12.4	17.9
8 19	23 3.11	−21 40.5	1.116	2.100	8.9	17.7
8 29	22 56.98	−23 32.8	1.091	2.082	7.5	17.5
9 8	22 49.88	−25 7.1	1.090	2.066	9.5	17.6
9 18	22 43.17	−26 12.3	1.110	2.051	13.4	17.8
9 28	22 38.20	−26 42.5	1.150	2.038	17.4	18.0
10 8	22 35.95	−26 37.7	1.207	2.027	21.0	18.2

347488 1995 OO_8 9 4.1 317°.14 1°.0/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.02	− 8 3.6	1.396	2.271	16.6	20.8
8 9	23 12.83	− 8 13.9	1.296	2.235	12.9	20.5
8 19	23 6.83	− 8 36.7	1.216	2.199	8.4	20.1
8 29	22 58.50	− 9 7.8	1.158	2.164	3.2	19.7
9 8	22 48.85	− 9 40.9	1.125	2.129	2.8	19.6
9 18	22 39.19	−10 8.8	1.116	2.095	8.4	19.8
9 28	22 31.04	−10 24.9	1.130	2.062	13.8	20.0
10 8	22 25.58	−10 24.6	1.164	2.030	18.7	20.2

261947 2006 OY_{20} 9 4.1 302°.54 0°.3/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.87	− 4 5.8	1.346	2.213	17.6	20.8
8 9	23 12.56	− 4 25.6	1.262	2.195	13.7	20.5
8 19	23 6.51	− 5 3.3	1.198	2.178	8.9	20.2
8 29	22 58.31	− 5 54.8	1.156	2.161	3.6	19.8
9 8	22 49.03	− 6 53.2	1.138	2.144	2.1	19.7
9 18	22 40.01	− 7 50.1	1.145	2.127	7.8	20.0
9 28	22 32.64	− 8 36.9	1.175	2.111	13.1	20.2
10 8	22 27.96	− 9 7.9	1.226	2.095	17.7	20.5

462604 2009 HA_{60} 9 4.1 65°.44 2°.8/ 2.2 16

7 30	23 21.74	−10 42.2	1.248	2.126	18.0	21.8
8 9	23 16.56	−11 27.7	1.208	2.149	13.5	21.6
8 19	23 8.63	−12 22.7	1.188	2.173	8.4	21.3
8 29	22 58.92	−13 18.7	1.192	2.196	3.7	21.1
9 8	22 48.80	−14 6.8	1.220	2.220	4.3	21.2
9 18	22 39.63	−14 40.1	1.273	2.244	8.9	21.6
9 28	22 32.60	−14 54.9	1.350	2.267	13.2	21.9
10 8	22 28.37	−14 50.5	1.447	2.291	16.9	22.2

514766 2007 EY_{124} 9 4.1 180°.81 1°.6/ 2.2 18

7 30	23 15.12	−10 54.1	2.716	3.565	10.3	22.7
8 9	23 10.44	−11 27.5	2.639	3.565	7.7	22.5
8 19	23 4.34	−12 5.9	2.586	3.566	4.8	22.3
8 29	22 57.25	−12 45.7	2.562	3.566	2.1	22.1
9 8	22 49.79	−13 22.9	2.566	3.565	2.5	22.2
9 18	22 42.57	−13 53.7	2.600	3.565	5.3	22.4
9 28	22 36.26	−14 15.4	2.661	3.564	8.1	22.6
10 8	22 31.34	−14 26.2	2.747	3.563	10.6	22.7

108947 2001 PV_{27} 9 4.1 39°.47 2°.9/ 1.5 18

7 30	23 15.81	−12 13.3	1.763	2.634	13.9	19.5
8 9	23 11.64	−13 1.3	1.701	2.639	10.4	19.3
8 19	23 5.40	−13 56.2	1.661	2.644	6.6	19.1
8 29	22 57.72	−14 51.7	1.647	2.650	3.3	18.9
9 8	22 49.51	−15 40.9	1.659	2.655	4.1	19.0
9 18	22 41.78	−16 18.0	1.697	2.661	7.7	19.2
9 28	22 35.44	−16 39.1	1.761	2.667	11.3	19.5
10 8	22 31.18	−16 42.9	1.846	2.673	14.5	19.7

474665 2005 AP_{21} 9 4.1 280°.88 2°.2/ 2.1 18

7 30	23 17.68	−10 30.5	1.862	2.724	13.7	21.7
8 9	23 13.31	−11 10.8	1.765	2.697	10.4	21.5
8 19	23 6.69	−12 0.7	1.689	2.671	6.7	21.2
8 29	22 58.33	−12 54.9	1.640	2.644	2.9	20.9
9 8	22 49.06	−13 46.9	1.617	2.617	3.5	20.9
9 18	22 39.92	−14 30.2	1.622	2.589	7.6	21.1
9 28	22 31.99	−14 59.3	1.652	2.561	11.7	21.2
10 8	22 26.16	−15 11.5	1.704	2.533	15.4	21.4

306177 2010 US_{82} 9 4.1 242°.00 2°.0/ 8.2 17

7 30	23 7.28	+ 5 25.1	4.568	5.346	7.6	20.6
8 9	23 4.07	+ 5 17.9	4.472	5.342	6.1	20.5
8 19	23 0.09	+ 5 2.5	4.399	5.338	4.5	20.3
8 29	22 55.59	+ 4 39.7	4.354	5.335	2.9	20.2
9 8	22 50.87	+ 4 11.0	4.337	5.331	2.0	20.2
9 18	22 46.25	+ 3 38.2	4.350	5.327	2.8	20.2
9 28	22 42.06	+ 3 3.6	4.393	5.323	4.4	20.3
10 8	22 38.60	+ 2 29.5	4.463	5.319	6.0	20.5

349765 2009 AR_{37} 9 4.1 204°.88 1°.0/ 3.1 18

7 30	23 15.50	− 7 4.8	1.984	2.838	13.3	21.5
8 9	23 11.27	− 7 48.7	1.908	2.836	10.1	21.3
8 19	23 5.13	− 8 43.3	1.854	2.834	6.3	21.1
8 29	22 57.63	− 9 44.0	1.827	2.832	2.4	20.8
9 8	22 49.57	−10 44.5	1.827	2.830	2.3	20.8
9 18	22 41.84	−11 39.0	1.854	2.827	6.3	21.1
9 28	22 35.30	−12 22.3	1.909	2.825	10.0	21.3
10 8	22 30.61	−12 51.2	1.986	2.822	13.3	21.5

389126 2008 YK_{143} 9 4.1 337°.09 2°.2/ 1.9 18

7 30	23 13.86	− 9 7.8	1.692	2.562	14.4	20.8
8 9	23 10.35	−10 8.6	1.621	2.559	10.8	20.6
8 19	23 4.69	−11 21.0	1.573	2.556	6.8	20.3
8 29	22 57.50	−12 38.3	1.549	2.554	2.9	20.1
9 8	22 49.67	−13 52.5	1.552	2.551	3.6	20.1
9 18	22 42.22	−14 55.9	1.581	2.549	7.7	20.4
9 28	22 36.13	−15 42.8	1.635	2.547	11.7	20.6
10 8	22 32.13	−16 10.3	1.710	2.545	15.1	20.8

441829 2009 SQ_{241} 9 4.1 350°.87 12°.0/20.4 18

7 30	23 8.49	+29 14.7	1.890	2.553	20.1	19.9
8 9	23 6.40	+29 49.7	1.802	2.546	18.5	19.8
8 19	23 2.26	+29 52.4	1.728	2.540	16.6	19.6
8 29	22 56.60	+29 18.0	1.670	2.535	14.6	19.5
9 8	22 50.23	+28 5.1	1.632	2.530	12.9	19.3
9 18	22 44.12	+26 16.5	1.615	2.527	12.0	19.3
9 28	22 39.26	+23 59.6	1.621	2.524	12.3	19.3
10 8	22 36.41	+21 26.2	1.651	2.523	13.8	19.4

169463 2002 CZ_{60} 9 4.1 203°.96 5°.8/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.75	−17 32.1	1.470	2.350	15.7	20.0
8 9	23 15.95	−18 44.2	1.408	2.348	12.0	19.8
8 19	23 8.44	−20 0.4	1.367	2.346	8.2	19.6
8 29	22 58.98	−21 11.0	1.351	2.344	5.8	19.5
9 8	22 48.76	−22 6.2	1.360	2.342	7.2	19.5
9 18	22 39.10	−22 39.0	1.393	2.339	10.8	19.7
9 28	22 31.27	−22 46.2	1.450	2.336	14.6	20.0
10 8	22 26.12	−22 28.8	1.526	2.333	18.0	20.2

318396 2004 XQ_{77} 9 4.1 251°.76 2°.6/ 2.0 17

7 30	23 19.89	−10 10.0	1.613	2.478	15.3	21.8
8 9	23 15.27	−11 1.1	1.527	2.461	11.6	21.5
8 19	23 8.07	−12 4.0	1.462	2.444	7.4	21.2
8 29	22 58.90	−13 12.1	1.421	2.426	3.3	20.9
9 8	22 48.75	−14 17.0	1.408	2.407	4.0	20.9
9 18	22 38.85	−15 10.9	1.421	2.388	8.5	21.1
9 28	22 30.44	−15 47.4	1.458	2.368	13.0	21.4
10 8	22 24.48	−16 3.7	1.517	2.347	16.9	21.6

420354 2012 BA_{84} 9 4.1 299°.10 0°.3/ 4.4 17

7 30	23 18.98	− 4 56.5	1.273	2.140	18.4	21.6
8 9	23 15.03	− 5 2.0	1.196	2.130	14.2	21.3
8 19	23 8.13	− 5 23.4	1.139	2.119	9.3	21.0
8 29	22 58.96	− 5 57.0	1.104	2.109	3.7	20.7
9 8	22 48.74	− 6 36.0	1.092	2.098	2.2	20.6
9 18	22 38.92	− 7 13.1	1.106	2.088	8.0	20.9
9 28	22 30.95	− 7 41.1	1.142	2.078	13.3	21.2
10 8	22 25.88	− 7 54.9	1.199	2.069	17.9	21.4

220999 2005 NE_{73} 9 4.1 33°.82 3°.5/ 6.1 16

7 30	23 21.47	− 1 5.6	1.065	1.931	21.3	19.3
8 9	23 16.75	− 0 17.8	1.023	1.950	16.7	19.1
8 19	23 8.97	+ 0 10.4	0.997	1.970	11.4	18.9
8 29	22 59.14	+ 0 20.0	0.993	1.992	6.1	18.7
9 8	22 48.76	+ 0 15.2	1.011	2.014	3.7	18.6
9 18	22 39.38	+ 0 1.9	1.053	2.038	7.8	18.9
9 28	22 32.34	− 0 12.8	1.117	2.062	12.6	19.3
10 8	22 28.39	− 0 22.7	1.201	2.087	16.8	19.6

392595 2011 SE_{213} 9 4.1 349°.37 2°.3/ 6.4 18

7 30	23 13.02	+ 2 2.1	1.777	2.610	15.5	20.9
8 9	23 9.61	+ 1 41.6	1.699	2.608	12.2	20.7
8 19	23 4.19	+ 1 2.6	1.641	2.606	8.5	20.4
8 29	22 57.32	+ 0 7.3	1.607	2.604	4.5	20.2
9 8	22 49.83	− 0 58.9	1.599	2.603	2.4	20.1
9 18	22 42.65	− 2 9.5	1.618	2.602	5.7	20.3
9 28	22 36.73	− 3 17.1	1.663	2.601	9.7	20.5
10 8	22 32.78	− 4 15.3	1.731	2.601	13.3	20.7

108148 2001 HE_{2} 9 4.1 206°.15 5°.9/29.1 18

7 30	23 20.49	−23 29.4	2.177	3.040	11.9	19.3
8 9	23 14.98	−24 28.1	2.110	3.036	9.3	19.2
8 19	23 7.46	−25 24.5	2.067	3.032	7.0	19.0
8 29	22 58.54	−26 11.5	2.051	3.027	5.9	18.9
9 8	22 49.09	−26 43.2	2.061	3.022	7.0	19.0
9 18	22 40.04	−26 55.6	2.099	3.016	9.4	19.1
9 28	22 32.32	−26 47.3	2.161	3.010	12.0	19.3
10 8	22 26.58	−26 19.5	2.244	3.004	14.4	19.5

316267 2010 PW_{25} 9 4.1 263°.76 2°.0/31.1 17

7 30	23 8.30	−16 37.8	4.430	5.286	6.5	20.6
8 9	23 4.88	−17 11.1	4.350	5.279	4.8	20.5
8 19	23 0.64	−17 45.4	4.296	5.273	3.2	20.4
8 29	22 55.83	−18 18.3	4.270	5.266	2.1	20.3
9 8	22 50.80	−18 47.3	4.274	5.259	2.6	20.3
9 18	22 45.89	−19 10.3	4.307	5.252	4.1	20.4
9 28	22 41.46	−19 25.9	4.368	5.245	5.8	20.6
10 8	22 37.83	−19 33.0	4.454	5.238	7.4	20.7

178469 1999 RN_{145} 9 4.1 4°.32 4°.2/ 6.5 18

7 30	23 17.73	+ 0 14.7	1.100	1.964	20.9	19.2
8 9	23 14.25	+ 1 1.4	1.037	1.963	16.6	18.9
8 19	23 7.66	+ 1 28.5	0.992	1.963	11.7	18.7
8 29	22 58.77	+ 1 35.6	0.967	1.964	6.7	18.4
9 8	22 48.92	+ 1 26.0	0.965	1.967	4.3	18.3
9 18	22 39.68	+ 1 5.4	0.985	1.970	8.1	18.5
9 28	22 32.55	+ 0 41.7	1.027	1.975	13.1	18.8
10 8	22 28.50	+ 0 22.2	1.088	1.980	17.6	19.1

395899 2013 AH_{61} 9 4.1 209°.79 2°.7/ 1.3 18

7 30	23 17.06	−13 8.0	2.228	3.086	11.9	22.1
8 9	23 12.28	−13 52.4	2.151	3.082	8.9	21.9
8 19	23 5.71	−14 41.9	2.098	3.078	5.7	21.7
8 29	22 57.87	−15 31.4	2.072	3.073	3.0	21.5
9 8	22 49.51	−16 15.5	2.074	3.068	3.7	21.6
9 18	22 41.45	−16 49.4	2.104	3.063	6.8	21.8
9 28	22 34.51	−17 9.9	2.161	3.057	10.0	21.9
10 8	22 29.31	−17 15.4	2.241	3.051	12.8	22.1

18377 1991 SH_1 9 4.1 42°.16 10°.7/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.74	−28 58.3	1.312	2.200	16.6	16.6
8 9	23 15.28	−30 39.2	1.286	2.218	13.6	16.5
8 19	23 7.93	−32 8.3	1.280	2.235	11.3	16.4
8 29	22 58.71	−33 13.5	1.297	2.254	10.8	16.4
9 8	22 49.06	−33 46.2	1.336	2.273	12.2	16.5
9 18	22 40.44	−33 43.5	1.396	2.293	14.6	16.7
9 28	22 34.03	−33 7.8	1.476	2.313	17.2	17.0
10 8	22 30.49	−32 4.6	1.573	2.333	19.5	17.2

514523 2016 WH_{52} 9 4.1 337°.73 5°.0/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.42	−19 28.4	1.967	2.839	12.6	20.4
8 9	23 12.77	−20 19.0	1.902	2.837	9.7	20.2
8 19	23 6.10	−21 10.0	1.860	2.836	6.7	20.0
8 29	22 58.02	−21 54.8	1.844	2.834	5.0	19.9
9 8	22 49.42	−22 27.2	1.855	2.833	6.1	20.0
9 18	22 41.26	−22 42.7	1.892	2.832	8.8	20.1
9 28	22 34.44	−22 39.2	1.953	2.831	11.8	20.3
10 8	22 29.62	−22 17.4	2.036	2.830	14.5	20.5

172366 2002 XB_{71} 9 4.1 299°.62 3°.1/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.59	−12 53.1	1.835	2.705	13.5	19.7
8 9	23 11.62	−13 39.1	1.753	2.691	10.2	19.4
8 19	23 5.53	−14 32.2	1.694	2.677	6.5	19.2
8 29	22 57.87	−15 26.5	1.661	2.663	3.4	19.0
9 8	22 49.50	−16 15.0	1.654	2.649	4.3	19.0
9 18	22 41.41	−16 51.7	1.673	2.635	7.9	19.2
9 28	22 34.62	−17 12.4	1.718	2.622	11.7	19.4
10 8	22 29.87	−17 15.1	1.784	2.609	15.0	19.6

343966 2011 LR 9 4.1 19°.89 8°.3/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.82	−23 29.0	1.495	2.384	14.9	19.5
8 9	23 12.18	−25 13.4	1.447	2.387	11.7	19.3
8 19	23 6.00	−26 55.6	1.422	2.390	9.1	19.2
8 29	22 58.03	−28 23.9	1.420	2.394	8.3	19.1
9 8	22 49.43	−29 28.5	1.443	2.398	9.9	19.2
9 18	22 41.44	−30 3.3	1.488	2.402	12.7	19.4
9 28	22 35.20	−30 6.9	1.555	2.407	15.7	19.6
10 8	22 31.47	−29 42.0	1.640	2.412	18.4	19.8

317278 2002 EG_{136} 9 4.1 5°.38 1°.5/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.73	− 9 25.5	1.136	2.027	18.4	18.9
8 9	23 11.79	− 9 32.0	1.079	2.027	14.0	18.6
8 19	23 5.96	− 9 49.8	1.041	2.028	8.8	18.3
8 29	22 58.07	−10 13.1	1.025	2.031	3.4	18.0
9 8	22 49.41	−10 34.6	1.031	2.035	3.2	18.0
9 18	22 41.44	−10 47.7	1.060	2.041	8.6	18.4
9 28	22 35.48	−10 47.3	1.112	2.048	13.6	18.7
10 8	22 32.37	−10 31.5	1.182	2.057	17.8	19.0

404002 2012 BO_{138} 9 4.1 204°.44 1°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.22	− 8 11.1	2.664	3.509	10.6	22.6
8 9	23 9.85	− 8 48.8	2.581	3.505	8.0	22.4
8 19	23 4.03	− 9 33.8	2.523	3.501	5.0	22.3
8 29	22 57.20	−10 22.4	2.492	3.497	1.9	22.0
9 8	22 49.95	−11 10.4	2.490	3.492	2.0	22.0
9 18	22 42.91	−11 53.6	2.517	3.487	5.1	22.2
9 28	22 36.74	−12 28.5	2.572	3.481	8.1	22.4
10 8	22 31.96	−12 52.7	2.652	3.476	10.7	22.6

135811 2002 RG_{156} 9 4.1 236°.95 1°.1/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.52	− 2 13.8	2.076	2.909	13.5	20.4
8 9	23 12.02	− 2 26.9	1.990	2.903	10.5	20.2
8 19	23 5.63	− 2 52.6	1.925	2.896	7.0	19.9
8 29	22 57.87	− 3 28.4	1.887	2.889	3.1	19.7
9 8	22 49.51	− 4 10.0	1.876	2.881	1.6	19.6
9 18	22 41.40	− 4 52.5	1.893	2.874	5.4	19.8
9 28	22 34.42	− 5 31.0	1.937	2.866	9.2	20.0
10 8	22 29.24	− 6 1.1	2.006	2.858	12.5	20.2

394280 2006 UD_{260} 9 4.1 11°.47 0°.3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.38	− 5 55.7	1.818	2.673	14.3	20.9
8 9	23 11.31	− 6 18.2	1.746	2.674	10.9	20.7
8 19	23 5.22	− 6 52.0	1.696	2.675	6.9	20.5
8 29	22 57.70	− 7 33.0	1.671	2.676	2.6	20.2
9 8	22 49.63	− 8 15.9	1.673	2.678	1.9	20.2
9 18	22 41.94	− 8 55.1	1.702	2.680	6.2	20.5
9 28	22 35.56	− 9 25.5	1.756	2.682	10.1	20.7
10 8	22 31.16	− 9 43.9	1.834	2.684	13.6	20.9

131156 2001 CK_{14} 9 4.1 107°.54 0°.1/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.12	− 4 56.1	2.007	2.846	13.7	20.4
8 9	23 13.80	− 5 15.4	1.944	2.863	10.4	20.2
8 19	23 6.62	− 5 45.2	1.904	2.879	6.7	20.0
8 29	22 58.19	− 6 21.9	1.890	2.895	2.6	19.8
9 8	22 49.35	− 7 0.6	1.905	2.910	1.6	19.7
9 18	22 40.99	− 7 36.5	1.947	2.925	5.6	20.0
9 28	22 33.93	− 8 5.4	2.017	2.940	9.2	20.3
10 8	22 28.78	− 8 24.3	2.111	2.954	12.3	20.5

476797 2008 UD_{163} 9 4.1 24°.22 2°.6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.31	−12 9.5	1.419	2.295	16.3	20.7
8 9	23 14.74	−12 29.1	1.360	2.300	12.3	20.5
8 19	23 7.58	−12 55.5	1.322	2.306	7.8	20.3
8 29	22 58.64	−13 22.6	1.308	2.312	3.5	20.0
9 8	22 49.09	−13 43.8	1.318	2.319	3.9	20.1
9 18	22 40.19	−13 53.6	1.355	2.326	8.3	20.4
9 28	22 33.10	−13 48.8	1.414	2.334	12.6	20.6
10 8	22 28.59	−13 28.5	1.495	2.342	16.3	20.9

293363 2007 EX_4 9 4.1 336°.73 1°.0/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.46	− 0 23.5	2.047	2.884	13.6	20.1
8 9	23 8.19	− 1 5.5	1.965	2.880	10.5	19.9
8 19	23 3.18	− 2 3.3	1.905	2.876	7.0	19.7
8 29	22 56.92	− 3 13.5	1.871	2.873	3.1	19.5
9 8	22 50.13	− 4 30.5	1.864	2.870	1.5	19.3
9 18	22 43.61	− 5 47.8	1.885	2.867	5.3	19.6
9 28	22 38.14	− 6 58.9	1.933	2.865	9.0	19.8
10 8	22 34.36	− 7 58.5	2.005	2.862	12.3	20.0

389066 2008 WE_{50} 9 4.1 275°.65 13°.1/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.30	+26 19.8	1.912	2.580	19.8	20.4
8 9	23 14.82	+27 57.7	1.822	2.570	18.2	20.2
8 19	23 7.85	+29 10.2	1.748	2.560	16.4	20.0
8 29	22 58.88	+29 51.1	1.691	2.550	14.7	19.9
9 8	22 48.82	+29 56.3	1.654	2.540	13.4	19.8
9 18	22 38.82	+29 25.5	1.639	2.530	13.1	19.8
9 28	22 30.12	+28 23.3	1.646	2.520	13.8	19.8
10 8	22 23.72	+26 58.8	1.674	2.510	15.3	19.9

24549 Jaredgoodman 9 4.1 199°.06 0°.4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.82	− 2 36.5	2.650	3.479	11.1	19.9
8 9	23 8.81	− 3 14.1	2.564	3.477	8.5	19.7
8 19	23 3.38	− 4 2.4	2.503	3.474	5.5	19.5
8 29	22 56.96	− 4 58.6	2.468	3.471	2.3	19.3
9 8	22 50.13	− 5 58.4	2.462	3.468	1.2	19.2
9 18	22 43.50	− 6 57.4	2.486	3.465	4.5	19.5
9 28	22 37.71	− 7 51.0	2.538	3.461	7.6	19.7
10 8	22 33.27	− 8 35.8	2.616	3.457	10.3	19.8

219956 2002 HM_{17} 9 4.1 50°.76 5°.0/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.58	−20 20.7	2.026	2.897	12.4	19.6
8 9	23 12.72	−21 7.6	1.974	2.908	9.4	19.4
8 19	23 5.96	−21 53.4	1.944	2.918	6.6	19.3
8 29	22 57.95	−22 31.9	1.941	2.929	5.0	19.2
9 8	22 49.55	−22 57.4	1.964	2.940	6.0	19.3
9 18	22 41.67	−23 6.5	2.014	2.951	8.5	19.5
9 28	22 35.14	−22 57.6	2.089	2.963	11.3	19.7
10 8	22 30.56	−22 31.8	2.185	2.974	13.8	19.9

11388 1998 VU_4 9 4.1 214°.61 2°.0/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 9.97	+ 3 44.9	3.558	4.350	9.3	17.8
8 9	23 6.33	+ 3 29.5	3.463	4.346	7.4	17.6
8 19	23 1.65	+ 3 3.9	3.392	4.341	5.3	17.5
8 29	22 56.27	+ 2 29.4	3.348	4.336	3.1	17.3
9 8	22 50.57	+ 1 48.2	3.333	4.331	2.0	17.2
9 18	22 45.02	+ 1 3.0	3.347	4.326	3.4	17.3
9 28	22 40.05	+ 0 17.0	3.390	4.321	5.6	17.5
10 8	22 36.04	− 0 26.5	3.461	4.316	7.7	17.6

165463 2001 AK_{11} 9 4.1 196°.02 1°.2/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.95	− 1 27.7	2.021	2.852	13.9	20.4
8 9	23 12.35	− 1 45.5	1.939	2.851	10.8	20.2
8 19	23 5.84	− 2 16.9	1.879	2.849	7.2	20.0
8 29	22 57.96	− 2 59.3	1.845	2.847	3.3	19.7
9 8	22 49.50	− 3 48.1	1.839	2.844	1.7	19.6
9 18	22 41.33	− 4 38.0	1.861	2.842	5.4	19.9
9 28	22 34.35	− 5 23.5	1.909	2.839	9.2	20.1
10 8	22 29.22	− 6 0.0	1.982	2.835	12.6	20.3

82569 2001 OG_{82} 9 4.1 40°.07 6°.3/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.33	−17 47.1	1.296	2.188	16.5	18.8
8 9	23 13.45	−19 7.4	1.251	2.198	12.6	18.5
8 19	23 6.84	−20 30.6	1.226	2.208	8.6	18.4
8 29	22 58.36	−21 45.7	1.225	2.218	6.4	18.3
9 8	22 49.29	−22 42.5	1.248	2.229	7.8	18.4
9 18	22 40.98	−23 14.2	1.294	2.240	11.4	18.6
9 28	22 34.64	−23 18.4	1.362	2.252	15.1	18.9
10 8	22 31.00	−22 56.9	1.448	2.264	18.3	19.1

131810 2002 AV_{86} 9 4.1 115°.60 4°.0/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.80	+ 4 49.3	1.439	2.266	18.7	19.9
8 9	23 13.65	+ 4 43.9	1.369	2.272	15.1	19.7
8 19	23 6.97	+ 4 14.6	1.319	2.277	10.8	19.5
8 29	22 58.46	+ 3 22.9	1.290	2.282	6.4	19.2
9 8	22 49.20	+ 2 14.1	1.286	2.287	4.0	19.1
9 18	22 40.42	+ 0 56.4	1.308	2.292	6.9	19.3
9 28	22 33.31	− 0 20.8	1.355	2.296	11.2	19.6
10 8	22 28.71	− 1 29.0	1.424	2.301	15.2	19.8

346635 2008 WS_{138} 9 4.1 281°.74 5°.7/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.11	−19 5.9	1.749	2.627	13.7	20.7
8 9	23 12.91	−20 17.8	1.679	2.617	10.5	20.5
8 19	23 6.40	−21 32.3	1.631	2.608	7.4	20.3
8 29	22 58.23	−22 40.9	1.609	2.598	5.7	20.2
9 8	22 49.34	−23 35.4	1.613	2.588	7.0	20.2
9 18	22 40.84	−24 9.5	1.642	2.579	10.1	20.4
9 28	22 33.80	−24 20.1	1.695	2.570	13.4	20.6
10 8	22 29.00	−24 7.6	1.768	2.560	16.4	20.8

435118 2007 DA_{99} 9 4.1 203°.55 0°.9/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.76	− 6 15.8	2.072	2.917	13.2	22.6
8 9	23 12.97	− 7 3.4	1.989	2.912	10.0	22.4
8 19	23 6.25	− 8 2.5	1.929	2.907	6.3	22.1
8 29	22 58.14	− 9 8.5	1.896	2.901	2.4	21.9
9 8	22 49.41	−10 15.3	1.891	2.894	2.2	21.8
9 18	22 40.96	−11 16.8	1.914	2.887	6.2	22.1
9 28	22 33.66	−12 7.4	1.965	2.879	9.9	22.3
10 8	22 28.22	−12 43.9	2.040	2.870	13.2	22.5

401670 2013 GX_{121} 9 4.1 62°.56 1°.9/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.34	−11 28.6	2.149	3.007	12.2	20.7
8 9	23 11.67	−11 56.4	2.085	3.017	9.2	20.5
8 19	23 5.26	−12 29.5	2.045	3.026	5.8	20.3
8 29	22 57.69	−13 3.5	2.032	3.036	2.5	20.1
9 8	22 49.73	−13 33.6	2.046	3.045	2.9	20.2
9 18	22 42.17	−13 55.9	2.088	3.055	6.2	20.4
9 28	22 35.80	−14 7.2	2.157	3.065	9.4	20.6
10 8	22 31.17	−14 6.2	2.249	3.075	12.3	20.8

62349 2000 SH_{142} 9 4.1 244°.97 4°.4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.80	+ 7 57.3	2.296	3.080	13.9	18.7
8 9	23 10.59	+ 8 8.8	2.205	3.074	11.5	18.6
8 19	23 4.68	+ 8 3.6	2.134	3.069	8.7	18.4
8 29	22 57.52	+ 7 41.6	2.088	3.063	6.0	18.2
9 8	22 49.81	+ 7 5.0	2.069	3.058	4.4	18.1
9 18	22 42.30	+ 6 17.4	2.077	3.052	5.6	18.2
9 28	22 35.76	+ 5 24.1	2.113	3.046	8.2	18.3
10 8	22 30.85	+ 4 30.8	2.174	3.040	11.1	18.5

442550 2011 YT_{56} 9 4.1 319°.48 1°.0/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.75	− 2 51.7	1.881	2.725	14.3	21.4
8 9	23 10.90	− 2 59.4	1.795	2.715	11.1	21.1
8 19	23 5.03	− 3 20.0	1.731	2.705	7.4	20.9
8 29	22 57.70	− 3 51.1	1.692	2.695	3.3	20.6
9 8	22 49.70	− 4 28.2	1.679	2.685	1.7	20.5
9 18	22 41.96	− 5 6.2	1.694	2.676	5.7	20.7
9 28	22 35.42	− 5 39.7	1.734	2.667	9.8	21.0
10 8	22 30.81	− 6 4.5	1.798	2.658	13.3	21.2

398065 2009 HH_{65} 9 4.1 223°.66 7°.4/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.92	−27 51.1	2.201	3.067	11.7	21.1
8 9	23 13.15	−29 15.9	2.142	3.062	9.5	20.9
8 19	23 6.37	−30 35.9	2.106	3.056	7.9	20.8
8 29	22 58.18	−31 43.1	2.096	3.050	7.5	20.8
9 8	22 49.43	−32 30.8	2.113	3.044	8.7	20.8
9 18	22 41.05	−32 55.1	2.154	3.038	10.7	21.0
9 28	22 33.97	−32 54.8	2.218	3.031	13.0	21.1
10 8	22 28.85	−32 31.5	2.302	3.025	15.0	21.2

49152 1998 SQ_{52} 9 4.2 123°.14 1°.0/ 3.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.97	− 8 3.2	1.601	2.459	15.7	18.6
8 9	23 15.77	− 8 23.0	1.535	2.465	11.9	18.4
8 19	23 8.17	− 8 53.1	1.490	2.470	7.5	18.2
8 29	22 58.89	− 9 28.6	1.470	2.476	2.8	17.9
9 8	22 48.99	−10 3.2	1.477	2.481	2.5	17.9
9 18	22 39.63	−10 31.4	1.510	2.486	7.1	18.2
9 28	22 31.91	−10 48.4	1.569	2.491	11.4	18.5
10 8	22 26.58	−10 51.9	1.650	2.495	15.1	18.7

266130 2006 TY_{37} 9 4.2 169°.72 3°.4/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.62	−13 17.3	1.600	2.470	15.1	21.0
8 9	23 15.58	−14 1.9	1.535	2.471	11.4	20.8
8 19	23 8.10	−14 53.2	1.491	2.473	7.3	20.6
8 29	22 58.88	−15 43.9	1.472	2.474	3.8	20.4
9 8	22 49.00	−16 26.7	1.479	2.474	4.7	20.4
9 18	22 39.64	−16 55.2	1.513	2.475	8.6	20.7
9 28	22 31.94	−17 6.0	1.571	2.475	12.6	20.9
10 8	22 26.66	−16 58.1	1.650	2.475	16.0	21.1

356428 2010 VH_{153} 9 4.2 271°.52 2°.4/ 9.0 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.69	+ 7 33.6	4.675	5.438	7.6	21.1
8 9	23 4.43	+ 7 31.9	4.566	5.423	6.2	21.0
8 19	23 0.38	+ 7 21.6	4.481	5.409	4.7	20.8
8 29	22 55.78	+ 7 3.2	4.423	5.394	3.2	20.7
9 8	22 50.93	+ 6 37.9	4.393	5.379	2.4	20.6
9 18	22 46.17	+ 6 7.4	4.392	5.365	3.0	20.7
9 28	22 41.81	+ 5 34.0	4.421	5.350	4.4	20.8
10 8	22 38.16	+ 4 59.8	4.477	5.335	6.0	20.9

145660 6701 $P–L$ 9 4.2 17°.99 2°.6/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.70	+ 5 5.3	1.648	2.476	16.7	19.4
8 9	23 7.98	+ 4 14.1	1.575	2.480	13.3	19.2
8 19	23 3.22	+ 2 58.4	1.521	2.483	9.3	19.0
8 29	22 56.99	+ 1 21.6	1.492	2.487	5.1	18.8
9 8	22 50.18	− 0 28.8	1.489	2.492	2.7	18.6
9 18	22 43.74	− 2 23.5	1.512	2.497	5.9	18.8
9 28	22 38.62	− 4 12.3	1.562	2.503	10.0	19.1
10 8	22 35.50	− 5 46.8	1.635	2.509	13.8	19.4

314593 2006 AO_{45} 9 4.2 125°.26 7°.1/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.09	−29 0.2	2.555	3.418	10.4	20.9
8 9	23 10.74	−30 50.0	2.512	3.427	8.5	20.8
8 19	23 4.71	−32 34.0	2.495	3.436	7.3	20.7
8 29	22 57.51	−34 4.9	2.505	3.444	7.2	20.7
9 8	22 49.87	−35 16.7	2.542	3.453	8.3	20.8
9 18	22 42.55	−36 5.6	2.604	3.461	10.0	20.9
9 28	22 36.31	−36 30.6	2.690	3.469	11.8	21.1
10 8	22 31.72	−36 33.2	2.794	3.476	13.5	21.2

266808 2009 SN_{355} 9 4.2 282°.66 1°.2/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.36	+ 1 2.5	4.286	5.090	7.6	20.8
8 9	23 4.22	+ 0 45.9	4.190	5.083	6.0	20.7
8 19	23 0.26	+ 0 21.8	4.118	5.076	4.1	20.6
8 29	22 55.74	− 0 8.4	4.074	5.068	2.2	20.4
9 8	22 50.99	− 0 43.0	4.059	5.061	1.3	20.3
9 18	22 46.33	− 1 19.7	4.073	5.054	2.8	20.5
9 28	22 42.14	− 1 56.0	4.117	5.047	4.7	20.6
10 8	22 38.71	− 2 29.8	4.188	5.040	6.5	20.7

315054 2007 DP_{12} 9 4.2 224°.18 2°.3/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.39	+ 0 11.1	2.342	3.155	12.8	21.0
8 9	23 13.21	+ 0 29.7	2.255	3.153	10.1	20.8
8 19	23 6.29	+ 0 37.3	2.191	3.150	7.0	20.6
8 29	22 58.15	+ 0 34.9	2.153	3.148	3.9	20.4
9 8	22 49.48	+ 0 24.6	2.143	3.145	2.4	20.3
9 18	22 41.06	+ 0 9.6	2.163	3.142	4.9	20.5
9 28	22 33.67	− 0 6.5	2.210	3.140	8.1	20.7
10 8	22 27.94	− 0 20.1	2.282	3.137	11.1	20.9

251379 2007 VZ_{79} 9 4.2 88°.28 2°.6/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.80	−10 21.3	1.381	2.253	16.9	20.7
8 9	23 15.89	−11 4.6	1.326	2.265	12.7	20.4
8 19	23 8.34	−11 57.9	1.293	2.276	8.0	20.2
8 29	22 58.97	−12 53.8	1.283	2.287	3.4	20.0
9 8	22 49.01	−13 43.9	1.298	2.299	4.0	20.0
9 18	22 39.75	−14 21.1	1.339	2.310	8.5	20.3
9 28	22 32.39	−14 40.8	1.404	2.321	12.9	20.6
10 8	22 27.69	−14 41.7	1.490	2.332	16.6	20.9

316178 2010 CX_{159} 9 4.2 73°.57 1°.0/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.42	− 1 29.3	1.767	2.610	15.2	21.2
8 9	23 11.40	− 1 56.6	1.697	2.615	11.7	20.9
8 19	23 5.32	− 2 39.6	1.647	2.619	7.7	20.7
8 29	22 57.80	− 3 34.7	1.622	2.624	3.4	20.5
9 8	22 49.72	− 4 36.2	1.623	2.629	1.7	20.4
9 18	22 42.03	− 5 37.4	1.652	2.634	5.9	20.7
9 28	22 35.67	− 6 31.8	1.707	2.639	9.9	20.9
10 8	22 31.33	− 7 14.6	1.785	2.644	13.5	21.1

94272 2001 DB_{24} 9 4.2 159°.99 0°.9/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.43	− 8 3.5	2.609	3.454	10.8	20.5
8 9	23 10.02	− 8 38.6	2.534	3.458	8.1	20.3
8 19	23 4.15	− 9 20.9	2.483	3.461	5.1	20.1
8 29	22 57.29	−10 6.7	2.459	3.464	1.9	19.9
9 8	22 50.06	−10 51.7	2.464	3.467	1.9	19.9
9 18	22 43.08	−11 32.0	2.499	3.470	5.0	20.1
9 28	22 37.01	−12 4.1	2.561	3.472	8.0	20.3
10 8	22 32.36	−12 25.6	2.648	3.474	10.6	20.5

255072 2005 UP_{8} 9 4.2 295°.53 4°.9/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.53	−18 37.3	2.047	2.920	12.2	20.3
8 9	23 11.48	−19 38.4	1.963	2.900	9.3	20.1
8 19	23 5.43	−20 42.4	1.903	2.879	6.5	19.9
8 29	22 57.89	−21 42.4	1.869	2.859	4.9	19.8
9 8	22 49.66	−22 31.5	1.861	2.839	6.1	19.8
9 18	22 41.66	−23 4.2	1.880	2.819	8.9	19.9
9 28	22 34.83	−23 17.1	1.924	2.799	12.1	20.1
10 8	22 29.91	−23 9.8	1.989	2.779	14.9	20.2

353674 2011 UA_{220} 9 4.2 350°.83 1°.0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.78	− 7 19.3	1.722	2.586	14.6	20.5
8 9	23 11.02	− 7 52.2	1.650	2.583	11.0	20.2
8 19	23 5.15	− 8 36.5	1.599	2.581	7.0	20.0
8 29	22 57.76	− 9 27.2	1.573	2.579	2.6	19.7
9 8	22 49.76	−10 18.1	1.574	2.578	2.4	19.7
9 18	22 42.14	−11 2.7	1.601	2.577	6.8	20.0
9 28	22 35.87	−11 35.9	1.653	2.576	10.8	20.2
10 8	22 31.68	−11 54.4	1.727	2.576	14.4	20.5

131510 2001 TV_{33} 9 4.2 322°.15 1°.0/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.57	− 5 12.3	1.077	1.958	20.0	19.3
8 9	23 14.54	− 4 52.9	0.999	1.940	15.6	19.0
8 19	23 8.19	− 4 48.7	0.939	1.922	10.4	18.6
8 29	22 59.18	− 4 57.2	0.900	1.905	4.4	18.3
9 8	22 48.80	− 5 12.9	0.882	1.888	2.4	18.1
9 18	22 38.75	− 5 29.3	0.887	1.873	8.7	18.4
9 28	22 30.76	− 5 39.0	0.913	1.859	14.6	18.7
10 8	22 26.06	− 5 36.8	0.958	1.846	19.9	18.9

370652 2004 BF_{112} 9 4.2 254°.41 1°.0/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.51	− 2 14.6	1.716	2.557	15.6	22.1
8 9	23 14.07	− 2 34.1	1.623	2.541	12.2	21.8
8 19	23 7.28	− 3 9.5	1.552	2.525	8.1	21.5
8 29	22 58.67	− 3 58.1	1.506	2.508	3.5	21.2
9 8	22 49.16	− 4 54.3	1.485	2.491	1.8	21.1
9 18	22 39.85	− 5 51.4	1.492	2.473	6.5	21.3
9 28	22 31.87	− 6 42.5	1.525	2.455	11.0	21.6
10 8	22 26.12	− 7 22.1	1.581	2.437	15.1	21.8

209863 2005 JB_{39} 9 4.2 193°.31 1°.4/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.51	− 0 30.4	2.071	2.900	13.7	21.6
8 9	23 11.24	− 0 49.7	1.990	2.899	10.7	21.4
8 19	23 5.14	− 1 23.2	1.931	2.898	7.2	21.2
8 29	22 57.74	− 2 8.2	1.897	2.897	3.4	20.9
9 8	22 49.79	− 3 0.3	1.891	2.896	1.7	20.8
9 18	22 42.13	− 3 54.2	1.913	2.895	5.2	21.0
9 28	22 35.60	− 4 44.3	1.962	2.893	8.9	21.3
10 8	22 30.83	− 5 26.0	2.035	2.891	12.2	21.5

123512 2000 WU_{187} 9 4.2 89°.87 8°.7/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.02	+16 24.2	1.794	2.541	18.5	19.1
8 9	23 13.53	+17 15.7	1.718	2.547	16.0	19.0
8 19	23 6.80	+17 42.4	1.660	2.553	13.3	18.8
8 29	22 58.44	+17 41.3	1.623	2.560	10.6	18.7
9 8	22 49.35	+17 12.4	1.609	2.566	8.9	18.6
9 18	22 40.61	+16 19.5	1.620	2.572	9.1	18.6
9 28	22 33.26	+15 9.7	1.656	2.578	10.9	18.7
10 8	22 28.09	+13 52.0	1.715	2.584	13.4	18.9

1587 Kahrstedt 9 4.2 260°.36 1°.4/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.06	− 9 26.1	1.855	2.710	14.0	15.5
8 9	23 15.04	− 9 44.8	1.767	2.695	10.7	15.3
8 19	23 7.77	−10 11.9	1.701	2.681	6.8	15.0
8 29	22 58.83	−10 43.0	1.661	2.666	2.7	14.7
9 8	22 49.10	−11 12.8	1.648	2.651	2.7	14.7
9 18	22 39.64	−11 36.0	1.662	2.635	6.9	14.9
9 28	22 31.50	−11 48.4	1.703	2.619	11.0	15.1
10 8	22 25.50	−11 47.7	1.766	2.603	14.6	15.3

168643 2000 DP_{40} 9 4.2 266°.63 0°.2/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.27	− 3 2.6	1.930	2.775	14.0	20.0
8 9	23 10.50	− 3 41.7	1.846	2.767	10.8	19.8
8 19	23 4.78	− 4 35.4	1.784	2.760	7.0	19.6
8 29	22 57.65	− 5 39.9	1.748	2.752	2.8	19.3
9 8	22 49.88	− 6 49.2	1.739	2.744	1.6	19.2
9 18	22 42.38	− 7 56.7	1.757	2.736	5.9	19.5
9 28	22 36.03	− 8 56.0	1.802	2.729	9.9	19.7
10 8	22 31.55	− 9 42.5	1.870	2.721	13.3	19.9

408743 2014 OT_{115} 9 4.2 315°.41 5°.1/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.13	−16 27.4	1.931	2.812	12.4	20.1
8 9	23 8.30	−18 6.7	1.848	2.790	9.5	19.9
8 19	23 3.49	−19 53.6	1.789	2.768	6.5	19.7
8 29	22 57.18	−21 39.5	1.756	2.747	5.1	19.5
9 8	22 50.15	−23 15.3	1.750	2.726	6.6	19.6
9 18	22 43.29	−24 33.2	1.770	2.705	9.6	19.7
9 28	22 37.56	−25 27.8	1.814	2.685	12.9	19.9
10 8	22 33.71	−25 57.1	1.879	2.665	15.8	20.1

326149 2012 BU_{55} 9 4.2 182°.07 0°.5/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.16	− 7 40.2	2.546	3.388	11.1	21.0
8 9	23 11.37	− 7 57.2	2.467	3.388	8.4	20.8
8 19	23 5.05	− 8 20.9	2.411	3.388	5.3	20.6
8 29	22 57.68	− 8 48.5	2.383	3.388	2.0	20.4
9 8	22 49.89	− 9 16.2	2.383	3.388	1.6	20.3
9 18	22 42.37	− 9 40.5	2.413	3.387	4.9	20.6
9 28	22 35.80	− 9 58.3	2.470	3.386	8.0	20.8
10 8	22 30.71	−10 7.4	2.553	3.385	10.8	21.0

304188 2006 QZ_{59} 9 4.2 11°.69 4°.6/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.35	+ 1 11.3	1.148	2.012	20.2	19.3
8 9	23 11.44	+ 2 3.2	1.094	2.018	16.2	19.1
8 19	23 5.74	+ 2 34.8	1.058	2.026	11.5	18.9
8 29	22 58.06	+ 2 45.8	1.041	2.036	6.9	18.6
9 8	22 49.68	+ 2 39.4	1.048	2.048	4.6	18.6
9 18	22 41.95	+ 2 21.1	1.077	2.062	7.6	18.8
9 28	22 36.17	+ 1 58.2	1.128	2.078	12.0	19.1
10 8	22 33.14	+ 1 38.0	1.200	2.095	16.1	19.4

515298 2012 UA_{51} 9 4.2 280°.47 0°.5/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.55	− 3 12.8	1.784	2.632	14.8	21.9
8 9	23 11.66	− 3 38.6	1.698	2.620	11.5	21.6
8 19	23 5.63	− 4 19.2	1.634	2.609	7.5	21.4
8 29	22 58.02	− 5 11.0	1.594	2.598	3.1	21.1
9 8	22 49.66	− 6 8.6	1.581	2.587	1.7	21.0
9 18	22 41.56	− 7 5.2	1.595	2.575	6.2	21.2
9 28	22 34.73	− 7 54.5	1.634	2.564	10.5	21.5
10 8	22 29.94	− 8 31.7	1.697	2.553	14.2	21.7

40978 1999 TN_{279} 9 4.2 245°.28 4°.3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.90	+10 44.5	1.961	2.744	16.0	19.6
8 9	23 9.48	+10 0.7	1.868	2.738	13.2	19.4
8 19	23 4.15	+ 8 50.8	1.794	2.730	10.0	19.2
8 29	22 57.42	+ 7 16.0	1.744	2.723	6.6	19.0
9 8	22 50.04	+ 5 21.2	1.721	2.715	4.4	18.8
9 18	22 42.89	+ 3 14.4	1.727	2.708	5.8	18.9
9 28	22 36.86	+ 1 5.5	1.760	2.700	9.2	19.1
10 8	22 32.66	− 0 55.9	1.820	2.692	12.6	19.3

68332 2001 KO 9 4.2 64°.86 6°.1/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.88	−21 11.5	1.748	2.625	13.7	18.8
8 9	23 14.05	−22 15.9	1.698	2.634	10.6	18.6
8 19	23 7.00	−23 18.8	1.671	2.644	7.6	18.5
8 29	22 58.46	−24 12.2	1.669	2.653	6.1	18.4
9 8	22 49.45	−24 49.0	1.693	2.663	7.3	18.5
9 18	22 41.05	−25 4.7	1.742	2.673	10.0	18.7
9 28	22 34.22	−24 58.1	1.814	2.683	13.0	18.9
10 8	22 29.65	−24 30.6	1.907	2.693	15.6	19.1

274957 2009 SP_{300} 9 4.2 63°.96 1°.7/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.36	− 1 5.0	1.431	2.281	17.7	20.5
8 9	23 14.00	− 1 14.8	1.371	2.292	13.8	20.3
8 19	23 7.15	− 1 42.7	1.330	2.302	9.2	20.0
8 29	22 58.58	− 2 25.1	1.312	2.313	4.3	19.8
9 8	22 49.38	− 3 15.9	1.319	2.325	2.1	19.7
9 18	22 40.77	− 4 7.9	1.352	2.336	6.6	20.0
9 28	22 33.88	− 4 53.8	1.410	2.347	11.2	20.3
10 8	22 29.46	− 5 28.3	1.490	2.359	15.1	20.6

476872 2008 VT_{19} 9 4.2 310°.79 11°.1/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.33	−32 17.9	1.569	2.444	15.1	21.5
8 9	23 15.91	−33 52.8	1.513	2.431	12.9	21.3
8 19	23 8.61	−35 17.9	1.478	2.418	11.4	21.2
8 29	22 59.21	−36 21.3	1.465	2.405	11.3	21.1
9 8	22 48.97	−36 53.7	1.475	2.393	12.7	21.2
9 18	22 39.33	−36 50.6	1.507	2.381	15.0	21.3
9 28	22 31.64	−36 12.3	1.558	2.370	17.6	21.5
10 8	22 26.78	−35 3.8	1.626	2.359	20.0	21.6

87769 2000 SC_{94} 9 4.2 78°.12 5°.1/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.46	+12 5.9	2.092	2.862	15.6	19.5
8 9	23 9.62	+11 50.3	2.022	2.878	12.9	19.4
8 19	23 4.05	+11 12.2	1.970	2.894	10.0	19.2
8 29	22 57.32	+10 12.6	1.943	2.910	7.0	19.1
9 8	22 50.16	+ 8 55.3	1.941	2.925	5.2	19.0
9 18	22 43.37	+ 7 26.1	1.967	2.941	5.9	19.1
9 28	22 37.72	+ 5 52.5	2.020	2.957	8.4	19.3
10 8	22 33.77	+ 4 22.1	2.099	2.972	11.2	19.5

473899 2016 EN_{147} 9 4.2 27°.76 10°.2/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.59	−25 42.6	0.941	1.845	20.2	19.5
8 9	23 18.92	−26 31.4	0.911	1.858	16.0	19.3
8 19	23 10.57	−27 10.1	0.898	1.872	12.2	19.2
8 29	22 59.86	−27 25.9	0.905	1.888	10.2	19.1
9 8	22 48.72	−27 10.2	0.932	1.904	11.4	19.2
9 18	22 39.01	−26 21.4	0.980	1.923	14.6	19.5
9 28	22 32.20	−25 3.5	1.048	1.942	18.2	19.8
10 8	22 28.95	−23 23.8	1.132	1.962	21.5	20.1

230561 2003 BH_{47} 9 4.2 296°.89 5°.2/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.09	−16 46.6	1.885	2.764	12.8	19.9
8 9	23 9.79	−18 25.6	1.809	2.750	9.7	19.7
8 19	23 4.44	−20 11.0	1.757	2.736	6.7	19.5
8 29	22 57.56	−21 54.2	1.732	2.722	5.2	19.4
9 8	22 49.98	−23 25.9	1.733	2.709	6.7	19.5
9 18	22 42.64	−24 38.4	1.761	2.695	9.7	19.6
9 28	22 36.53	−25 27.1	1.812	2.682	13.0	19.8
10 8	22 32.38	−25 50.5	1.884	2.668	15.9	20.0

93811 2000 WV_{57} 9 4.2 236°.93 2°.9/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.82	−12 40.7	2.071	2.932	12.6	19.9
8 9	23 13.13	−13 33.8	1.987	2.920	9.5	19.6
8 19	23 6.46	−14 33.8	1.927	2.907	6.1	19.4
8 29	22 58.32	−15 34.9	1.893	2.894	3.2	19.2
9 8	22 49.52	−16 30.7	1.886	2.881	4.0	19.2
9 18	22 40.97	−17 15.4	1.908	2.867	7.4	19.4
9 28	22 33.59	−17 44.8	1.956	2.852	10.9	19.6
10 8	22 28.09	−17 57.1	2.026	2.837	14.0	19.8

403756 2011 BV_{13} 9 4.2 331°.35 2°.7/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.15	+ 0 3.9	2.003	2.829	14.3	21.1
8 9	23 12.64	+ 0 31.7	1.915	2.819	11.3	20.9
8 19	23 6.15	+ 0 47.5	1.848	2.810	7.9	20.6
8 29	22 58.20	+ 0 51.9	1.806	2.801	4.4	20.4
9 8	22 49.60	+ 0 47.0	1.791	2.792	2.8	20.3
9 18	22 41.23	+ 0 36.1	1.803	2.784	5.5	20.5
9 28	22 34.01	+ 0 23.1	1.842	2.777	9.2	20.7
10 8	22 28.68	+ 0 12.4	1.905	2.769	12.5	20.9

175104 2004 KC_{6} 9 4.2 74°.57 1°.6/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.61	− 9 5.8	1.993	2.851	13.1	20.3
8 9	23 11.30	− 9 46.5	1.929	2.860	9.8	20.1
8 19	23 5.16	−10 35.5	1.888	2.869	6.1	19.9
8 29	22 57.76	−11 27.7	1.873	2.878	2.5	19.7
9 8	22 49.92	−12 17.5	1.885	2.887	2.7	19.8
9 18	22 42.48	−12 59.5	1.925	2.896	6.3	20.0
9 28	22 36.27	−13 29.6	1.991	2.904	9.8	20.3
10 8	22 31.89	−13 45.7	2.081	2.913	12.9	20.5

252135 2000 YE_{19} 9 4.2 291°.81 0°.5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.93	− 6 34.4	2.113	2.963	12.7	21.3
8 9	23 10.84	− 6 58.8	2.028	2.953	9.7	21.1
8 19	23 4.94	− 7 33.0	1.966	2.944	6.2	20.9
8 29	22 57.72	− 8 13.4	1.929	2.934	2.3	20.6
9 8	22 49.93	− 8 55.2	1.920	2.925	1.8	20.6
9 18	22 42.37	− 9 33.5	1.939	2.915	5.7	20.8
9 28	22 35.90	−10 3.7	1.984	2.906	9.4	21.0
10 8	22 31.17	−10 22.9	2.053	2.897	12.6	21.2

196484 2003 KK_{9} 9 4.2 50°.84 2°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.52	−10 42.3	1.409	2.280	16.7	19.6
8 9	23 16.29	−10 56.8	1.361	2.297	12.6	19.4
8 19	23 8.51	−11 19.1	1.332	2.315	7.9	19.2
8 29	22 59.07	−11 43.5	1.328	2.333	3.2	19.0
9 8	22 49.17	−12 3.5	1.350	2.352	3.3	19.0
9 18	22 40.07	−12 14.3	1.397	2.371	7.8	19.4
9 28	22 32.86	−12 12.3	1.468	2.390	12.0	19.7
10 8	22 28.25	−11 56.7	1.561	2.409	15.6	19.9

253493 2003 SG_{95} 9 4.2 10°.26 4°.8/ 7.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.01	+ 1 30.7	0.944	1.821	22.5	18.9
8 9	23 11.73	+ 2 14.7	0.891	1.823	18.0	18.6
8 19	23 6.23	+ 2 34.0	0.853	1.826	12.8	18.3
8 29	22 58.36	+ 2 28.5	0.835	1.832	7.5	18.1
9 8	22 49.57	+ 2 2.5	0.837	1.839	4.8	17.9
9 18	22 41.49	+ 1 24.0	0.860	1.847	8.4	18.2
9 28	22 35.67	+ 0 42.9	0.903	1.857	13.5	18.5
10 8	22 33.05	+ 0 8.6	0.965	1.869	18.2	18.8

322190 2010 XW_{69} 9 4.2 181°.75 7°.6/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.49	+26 0.8	3.339	3.961	12.7	20.7
8 9	23 10.75	+26 36.2	3.242	3.962	11.4	20.5
8 19	23 4.65	+26 53.7	3.164	3.962	10.1	20.4
8 29	22 57.57	+26 51.4	3.107	3.962	8.8	20.3
9 8	22 50.04	+26 28.9	3.074	3.961	7.8	20.3
9 18	22 42.65	+25 47.6	3.067	3.960	7.6	20.3
9 28	22 35.99	+24 50.7	3.085	3.959	8.1	20.3
10 8	22 30.58	+23 43.1	3.129	3.956	9.1	20.4

193535 2000 YS_{109} 9 4.2 224°.14 1°.4/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 8.31	+ 2 5.2	4.688	5.481	7.2	20.3
8 9	23 4.88	+ 2 1.1	4.593	5.477	5.7	20.2
8 19	23 0.69	+ 1 50.2	4.523	5.474	4.0	20.0
8 29	22 55.98	+ 1 33.4	4.480	5.470	2.3	19.9
9 8	22 51.06	+ 1 12.3	4.467	5.466	1.5	19.8
9 18	22 46.23	+ 0 48.4	4.483	5.463	2.6	19.9
9 28	22 41.84	+ 0 23.9	4.529	5.459	4.3	20.0
10 8	22 38.16	+ 0 0.6	4.603	5.455	6.0	20.2

94022 2000 XH_{35} 9 4.2 133°.90 6°.2/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.36	−26 35.4	2.487	3.350	10.7	19.1
8 9	23 12.40	−27 43.4	2.436	3.357	8.5	18.9
8 19	23 5.76	−28 46.8	2.409	3.363	6.8	18.9
8 29	22 57.99	−29 39.4	2.409	3.370	6.2	18.8
9 8	22 49.83	−30 15.9	2.436	3.376	7.2	18.9
9 18	22 42.08	−30 33.3	2.489	3.383	9.1	19.0
9 28	22 35.48	−30 30.7	2.566	3.389	11.1	19.2
10 8	22 30.57	−30 9.4	2.664	3.394	13.0	19.3

139097 2001 FZ_{34} 9 4.2 225°.66 2°.2/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.73	− 0 49.3	1.593	2.430	16.8	19.7
8 9	23 15.81	− 0 41.1	1.513	2.426	13.2	19.5
8 19	23 8.41	− 0 48.7	1.454	2.422	9.0	19.2
8 29	22 59.15	− 1 10.3	1.418	2.418	4.5	19.0
9 8	22 49.07	− 1 41.7	1.409	2.413	2.5	18.8
9 18	22 39.36	− 2 17.3	1.426	2.408	6.5	19.1
9 28	22 31.19	− 2 51.0	1.468	2.403	11.0	19.3
10 8	22 25.44	− 3 17.2	1.533	2.398	15.0	19.6

280092 2002 EF_{56} 9 4.2 126°.24 0°.3/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.06	− 0 40.0	1.814	2.654	14.9	20.3
8 9	23 10.37	− 1 51.6	1.742	2.660	11.5	20.1
8 19	23 4.71	− 3 21.9	1.691	2.665	7.4	19.9
8 29	22 57.65	− 5 5.5	1.666	2.670	3.0	19.6
9 8	22 50.02	− 6 54.3	1.669	2.675	1.6	19.6
9 18	22 42.76	− 8 39.4	1.700	2.680	6.1	19.9
9 28	22 36.75	−10 12.6	1.758	2.684	10.1	20.1
10 8	22 32.68	−11 28.3	1.840	2.688	13.6	20.4

260500 2005 EC_{19} 9 4.2 203°.92 0°.6/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.80	− 6 36.7	1.632	2.485	15.7	21.8
8 9	23 15.78	− 7 1.1	1.556	2.483	12.0	21.6
8 19	23 8.33	− 7 37.6	1.501	2.480	7.7	21.3
8 29	22 59.10	− 8 21.8	1.471	2.476	2.9	21.0
9 8	22 49.12	− 9 7.2	1.468	2.473	2.3	21.0
9 18	22 39.54	− 9 47.3	1.492	2.468	7.0	21.3
9 28	22 31.52	−10 16.7	1.541	2.464	11.5	21.5
10 8	22 25.86	−10 32.1	1.612	2.459	15.3	21.7

42940 1999 TP_{38} 9 4.2 236°.42 1°.2/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.29	+ 0 23.4	2.773	3.586	11.1	19.9
8 9	23 9.22	− 0 7.9	2.672	3.573	8.7	19.7
8 19	23 3.74	− 0 51.5	2.596	3.559	5.9	19.5
8 29	22 57.24	− 1 45.1	2.546	3.545	2.9	19.3
9 8	22 50.27	− 2 45.1	2.525	3.530	1.4	19.1
9 18	22 43.42	− 3 47.3	2.534	3.515	4.2	19.3
9 28	22 37.34	− 4 47.0	2.572	3.499	7.3	19.5
10 8	22 32.56	− 5 40.1	2.636	3.484	10.0	19.7

239860 1999 YA_{15} 9 4.2 208°.41 6°.8/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.81	−25 33.3	2.193	3.059	11.8	21.1
8 9	23 13.85	−26 57.2	2.131	3.054	9.4	21.0
8 19	23 6.87	−28 18.0	2.092	3.049	7.5	20.9
8 29	22 58.48	−29 28.0	2.080	3.044	6.9	20.8
9 8	22 49.52	−30 20.1	2.094	3.038	8.0	20.9
9 18	22 40.91	−30 50.1	2.135	3.031	10.2	21.0
9 28	22 33.58	−30 56.2	2.199	3.024	12.6	21.2
10 8	22 28.20	−30 39.9	2.283	3.017	14.8	21.3

340958 2007 ET_{88} 9 4.2 22°.03 0°.0/ 4.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.74	− 3 18.2	1.285	2.156	18.0	20.2
8 9	23 10.79	− 3 57.0	1.226	2.161	13.8	20.0
8 19	23 5.26	− 4 55.0	1.186	2.167	8.9	19.8
8 29	22 57.92	− 6 6.4	1.168	2.174	3.5	19.5
9 8	22 49.88	− 7 22.4	1.175	2.181	2.1	19.4
9 18	22 42.41	− 8 33.3	1.207	2.189	7.4	19.7
9 28	22 36.69	− 9 31.0	1.261	2.198	12.3	20.1
10 8	22 33.49	−10 10.2	1.337	2.207	16.4	20.3

71443 2000 AG_{230} 9 4.2 197°.88 0°.9/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.03	− 3 11.2	2.634	3.457	11.3	19.6
8 9	23 12.01	− 3 9.8	2.548	3.455	8.7	19.4
8 19	23 5.49	− 3 16.9	2.486	3.453	5.8	19.2
8 29	22 57.91	− 3 30.7	2.450	3.451	2.6	19.0
9 8	22 49.89	− 3 48.5	2.444	3.449	1.3	18.9
9 18	22 42.11	− 4 7.3	2.467	3.447	4.4	19.1
9 28	22 35.23	− 4 23.9	2.519	3.444	7.5	19.3
10 8	22 29.80	− 4 35.5	2.596	3.441	10.2	19.5

343457 2010 ET_{39} 9 4.2 217°.61 0°.3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.61	− 7 18.1	2.002	2.844	13.6	20.7
8 9	23 15.98	− 7 20.4	1.919	2.839	10.4	20.4
8 19	23 8.27	− 7 30.9	1.858	2.834	6.7	20.2
8 29	22 59.05	− 7 46.4	1.824	2.828	2.6	19.9
9 8	22 49.19	− 8 2.9	1.817	2.822	1.8	19.9
9 18	22 39.66	− 8 16.4	1.839	2.816	6.0	20.1
9 28	22 31.41	− 8 23.2	1.889	2.809	9.8	20.4
10 8	22 25.18	− 8 21.0	1.962	2.802	13.2	20.6

394723 2008 EL_{108} 9 4.2 62°.56 0°.5/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.17	− 4 21.5	1.950	2.801	13.6	20.9
8 9	23 9.50	− 5 20.1	1.887	2.813	10.3	20.7
8 19	23 4.05	− 6 31.7	1.847	2.825	6.5	20.5
8 29	22 57.37	− 7 51.0	1.832	2.838	2.4	20.2
9 8	22 50.26	− 9 11.4	1.845	2.850	1.9	20.2
9 18	22 43.53	−10 25.9	1.887	2.863	5.9	20.5
9 28	22 37.99	−11 28.9	1.954	2.875	9.5	20.8
10 8	22 34.23	−12 16.5	2.045	2.888	12.7	21.0

282038 1998 QO_{79} 9 4.2 6°.92 5°.9/ 9.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.27	+ 6 58.6	0.924	1.800	23.0	19.1
8 9	23 2.73	+ 7 8.7	0.875	1.802	18.8	18.8
8 19	23 0.42	+ 6 43.3	0.840	1.806	14.0	18.6
8 29	22 56.11	+ 5 43.3	0.822	1.814	9.0	18.4
9 8	22 51.03	+ 4 16.4	0.825	1.824	5.9	18.3
9 18	22 46.55	+ 2 34.9	0.848	1.838	8.0	18.4
9 28	22 43.94	+ 0 53.8	0.891	1.853	12.5	18.7
10 8	22 44.02	− 0 34.1	0.954	1.872	17.0	19.1

515255 2012 EA_{11} 9 4.2 174°.88 0°.2/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.04	− 3 33.0	2.720	3.550	10.8	21.9
8 9	23 8.98	− 4 7.1	2.638	3.552	8.2	21.7
8 19	23 3.54	− 4 50.8	2.580	3.553	5.3	21.5
8 29	22 57.16	− 5 41.2	2.550	3.554	2.1	21.3
9 8	22 50.39	− 6 34.5	2.549	3.554	1.2	21.3
9 18	22 43.85	− 7 26.3	2.577	3.555	4.4	21.5
9 28	22 38.13	− 8 12.6	2.633	3.555	7.4	21.7
10 8	22 33.72	− 8 50.4	2.715	3.555	10.0	21.9

14154 Negrelli 9 4.2 267°.72 1°.0/ 5.1 18

7 30	23 15.19	− 1 47.7	1.904	2.744	14.4	18.8
8 9	23 11.24	− 2 12.3	1.821	2.737	11.1	18.6
8 19	23 5.30	− 2 51.7	1.759	2.731	7.4	18.3
8 29	22 57.93	− 3 42.8	1.723	2.725	3.3	18.1
9 8	22 49.91	− 4 40.4	1.713	2.719	1.6	17.9
9 18	22 42.16	− 5 38.5	1.731	2.712	5.7	18.2
9 28	22 35.61	− 6 30.8	1.775	2.706	9.7	18.4
10 8	22 30.96	− 7 12.6	1.843	2.699	13.2	18.7

74751 1999 RF_{197} 9 4.2 17°.60 4°.3/ 6.6 18

7 30	23 17.18	− 0 4.5	0.966	1.841	22.2	17.8
8 9	23 14.04	+ 0 47.5	0.916	1.848	17.6	17.6
8 19	23 7.63	+ 1 17.9	0.883	1.857	12.4	17.3
8 29	22 58.91	+ 1 26.5	0.869	1.867	6.9	17.1
9 8	22 49.35	+ 1 17.3	0.876	1.878	4.4	17.0
9 18	22 40.63	+ 0 56.9	0.905	1.891	8.3	17.2
9 28	22 34.23	+ 0 33.8	0.954	1.906	13.4	17.6
10 8	22 31.05	+ 0 15.6	1.023	1.922	17.9	17.9

403742 2011 AB_{13} 9 4.2 270°.21 3°.7/31.1 18

7 30	23 16.88	−17 43.9	2.481	3.342	10.7	20.9
8 9	23 12.16	−18 25.3	2.393	3.324	8.2	20.7
8 19	23 5.73	−19 8.6	2.330	3.305	5.6	20.5
8 29	22 58.06	−19 48.7	2.293	3.287	3.8	20.3
9 8	22 49.84	−20 20.6	2.285	3.268	4.6	20.4
9 18	22 41.82	−20 40.5	2.304	3.248	7.2	20.5
9 28	22 34.79	−20 45.6	2.350	3.229	10.0	20.6
10 8	22 29.35	−20 35.5	2.419	3.210	12.6	20.8

396392 2014 DW_{121} 9 4.2 229°.13 0°.5/ 4.7 18

7 30	23 14.97	− 1 55.3	1.984	2.822	13.9	21.8
8 9	23 11.01	− 2 39.6	1.899	2.816	10.7	21.6
8 19	23 5.13	− 3 39.5	1.836	2.809	7.0	21.4
8 29	22 57.86	− 4 51.0	1.799	2.802	2.9	21.1
9 8	22 49.96	− 6 8.2	1.789	2.795	1.5	21.0
9 18	22 42.31	− 7 24.3	1.808	2.787	5.7	21.3
9 28	22 35.80	− 8 32.6	1.853	2.779	9.6	21.5
10 8	22 31.11	− 9 28.1	1.922	2.771	13.1	21.7

91214 Diclemente 9 4.2 238°.49 2°.1/ 5.7 18

7 30	23 19.37	− 0 13.7	1.442	2.286	17.9	20.2
8 9	23 15.06	− 0 21.2	1.363	2.281	14.1	20.0
8 19	23 8.09	− 0 48.1	1.304	2.274	9.6	19.7
8 29	22 59.10	− 1 31.8	1.268	2.268	4.7	19.4
9 8	22 49.19	− 2 26.7	1.257	2.262	2.4	19.2
9 18	22 39.65	− 3 25.4	1.271	2.255	7.0	19.5
9 28	22 31.75	− 4 19.7	1.310	2.248	11.8	19.8
10 8	22 26.44	− 5 2.8	1.371	2.241	16.2	20.0

507998 2015 BC_{247} 9 4.2 257°.33 1°.9/ 5.6 17

7 30	23 18.60	− 0 42.4	1.510	2.354	17.2	22.0
8 9	23 14.37	− 0 49.3	1.430	2.347	13.5	21.7
8 19	23 7.60	− 1 14.1	1.369	2.339	9.2	21.4
8 29	22 58.90	− 1 54.6	1.331	2.332	4.4	21.1
9 8	22 49.32	− 2 45.3	1.319	2.324	2.3	21.0
9 18	22 40.07	− 3 39.4	1.332	2.316	6.7	21.3
9 28	22 32.37	− 4 29.1	1.371	2.308	11.5	21.5
10 8	22 27.14	− 5 8.3	1.432	2.300	15.7	21.7

516337 2017 BV_{51} 9 4.2 237°.88 1°.1/ 2.8 18

7 30	23 13.50	− 8 31.0	2.571	3.420	10.8	22.0
8 9	23 9.44	− 9 9.1	2.489	3.414	8.1	21.8
8 19	23 3.91	− 9 54.5	2.430	3.409	5.1	21.6
8 29	22 57.34	−10 43.6	2.398	3.403	2.0	21.4
9 8	22 50.33	−11 31.9	2.395	3.397	2.1	21.4
9 18	22 43.53	−12 15.0	2.421	3.391	5.2	21.6
9 28	22 37.61	−12 49.4	2.474	3.385	8.3	21.8
10 8	22 33.11	−13 12.6	2.552	3.379	11.0	22.0

395712 2012 TZ_{131} 9 4.2 262°.12 6°.3/29.1 18

7 30	23 21.93	−23 26.4	2.057	2.920	12.5	21.3
8 9	23 16.46	−24 25.1	1.973	2.899	9.9	21.1
8 19	23 8.73	−25 22.4	1.913	2.878	7.5	20.9
8 29	22 59.31	−26 10.8	1.879	2.856	6.3	20.8
9 8	22 49.11	−26 43.2	1.871	2.833	7.5	20.9
9 18	22 39.19	−26 54.7	1.890	2.810	10.1	21.0
9 28	22 30.60	−26 43.5	1.934	2.786	13.0	21.1
10 8	22 24.16	−26 10.5	1.998	2.762	15.7	21.3

258746 2002 GH_{165} 9 4.2 7°.80 5°.0/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.63	−20 59.9	2.113	2.981	12.1	19.7
8 9	23 13.61	−21 40.6	2.050	2.981	9.3	19.5
8 19	23 6.67	−22 20.0	2.009	2.981	6.6	19.4
8 29	22 58.43	−22 52.1	1.995	2.982	5.0	19.3
9 8	22 49.72	−23 11.5	2.008	2.982	6.0	19.4
9 18	22 41.45	−23 14.7	2.047	2.983	8.5	19.5
9 28	22 34.48	−23 0.4	2.112	2.984	11.3	19.7
10 8	22 29.43	−22 29.2	2.198	2.985	13.8	19.9

9014 Svyatorichter 9 4.2 299°.33 7°.8/28.8 18

7 30	23 18.29	−20 55.5	1.353	2.243	16.1	17.1
8 9	23 14.66	−22 20.6	1.281	2.225	12.6	16.8
8 19	23 8.07	−23 49.0	1.230	2.206	9.4	16.6
8 29	22 59.17	−25 9.0	1.202	2.187	7.8	16.5
9 8	22 49.20	−26 8.6	1.198	2.169	9.5	16.5
9 18	22 39.61	−26 39.5	1.216	2.151	13.1	16.7
9 28	22 31.89	−26 38.0	1.255	2.133	17.0	16.8
10 8	22 27.07	−26 5.8	1.312	2.115	20.5	17.0

396094 2013 CR_{115} 9 4.2 295°.96 2°.4/ 1.9 18

7 30	23 15.52	−10 49.1	1.843	2.710	13.6	21.2
8 9	23 11.58	−11 36.9	1.767	2.703	10.3	21.0
8 19	23 5.57	−12 33.4	1.713	2.695	6.5	20.7
8 29	22 58.06	−13 32.9	1.684	2.688	3.0	20.5
9 8	22 49.92	−14 28.4	1.683	2.681	3.6	20.5
9 18	22 42.09	−15 13.9	1.708	2.674	7.4	20.7
9 28	22 35.54	−15 44.4	1.758	2.668	11.2	20.9
10 8	22 30.99	−15 57.9	1.831	2.661	14.5	21.2

285361 1999 TC_{44} 9 4.2 43°.21 0°.9/ 4.9 18

7 30	23 17.23	− 3 7.4	1.637	2.486	15.8	21.1
8 9	23 12.97	− 3 18.8	1.569	2.492	12.2	20.9
8 19	23 6.47	− 3 44.6	1.522	2.497	8.0	20.7
8 29	22 58.41	− 4 21.2	1.499	2.503	3.4	20.4
9 8	22 49.74	− 5 3.4	1.503	2.508	1.7	20.3
9 18	22 41.53	− 5 45.0	1.532	2.514	6.2	20.6
9 28	22 34.79	− 6 20.2	1.587	2.521	10.5	20.9
10 8	22 30.26	− 6 44.7	1.665	2.527	14.2	21.1

9353 1991 VM_4 9 4.2 299°.26 1°.8/ 2.9 18

7 30	23 17.72	− 8 54.4	1.428	2.301	16.5	17.9
8 9	23 14.00	− 9 22.7	1.342	2.280	12.6	17.6
8 19	23 7.55	−10 3.6	1.276	2.260	8.1	17.3
8 29	22 58.98	−10 51.5	1.234	2.240	3.2	16.9
9 8	22 49.33	−11 38.8	1.217	2.220	3.3	16.9
9 18	22 39.91	−12 17.8	1.224	2.200	8.4	17.1
9 28	22 32.10	−12 42.0	1.255	2.180	13.4	17.4
10 8	22 26.90	−12 48.0	1.307	2.161	17.7	17.6

359958 2012 BV_{51} 9 4.2 52°.74 1°.9/ 1.9 18

7 30	23 12.53	− 9 8.8	2.157	3.017	12.1	20.5
8 9	23 8.94	−10 14.0	2.090	3.023	9.1	20.3
8 19	23 3.68	−11 27.9	2.047	3.029	5.7	20.1
8 29	22 57.28	−12 45.1	2.031	3.035	2.5	19.9
9 8	22 50.44	−13 59.0	2.043	3.041	3.0	20.0
9 18	22 43.91	−15 3.9	2.082	3.048	6.3	20.2
9 28	22 38.45	−15 55.1	2.148	3.054	9.6	20.4
10 8	22 34.62	−16 30.0	2.238	3.061	12.4	20.6

7428 Abekuniomi 9 4.2 248°.94 6°.4/28.2 18

7 30	23 16.71	−20 39.6	1.865	2.741	13.0	17.8
8 9	23 12.62	−22 19.3	1.796	2.732	10.1	17.6
8 19	23 6.31	−24 1.4	1.750	2.721	7.5	17.4
8 29	22 58.39	−25 36.4	1.731	2.711	6.4	17.3
9 8	22 49.73	−26 55.4	1.738	2.700	7.9	17.4
9 18	22 41.39	−27 51.4	1.771	2.689	10.7	17.6
9 28	22 34.40	−28 21.1	1.827	2.678	13.7	17.7
10 8	22 29.53	−28 24.8	1.902	2.667	16.4	17.9

92708 2000 QB_{85} 9 4.2 33°.40 4°.8/ 7.9 18

7 30	23 18.60	+ 4 56.6	1.569	2.388	17.8	19.4
8 9	23 14.19	+ 5 26.7	1.497	2.391	14.5	19.2
8 19	23 7.37	+ 5 37.1	1.443	2.395	10.7	19.0
8 29	22 58.80	+ 5 27.4	1.412	2.398	6.8	18.8
9 8	22 49.50	+ 5 0.3	1.406	2.402	4.8	18.7
9 18	22 40.61	+ 4 21.0	1.426	2.406	6.9	18.8
9 28	22 33.27	+ 3 36.3	1.471	2.410	10.6	19.0
10 8	22 28.28	+ 2 53.5	1.538	2.415	14.3	19.3

66966 1999 XJ_{52} 9 4.2 158°.13 5°.1/10.7 18

7 30	23 14.27	+12 29.5	2.649	3.398	13.1	19.4
8 9	23 10.02	+12 40.7	2.562	3.401	11.1	19.3
8 19	23 4.30	+12 34.9	2.495	3.404	8.8	19.1
8 29	22 57.53	+12 11.7	2.453	3.407	6.5	19.0
9 8	22 50.32	+11 32.8	2.437	3.410	5.2	18.9
9 18	22 43.33	+10 41.4	2.448	3.413	5.6	19.0
9 28	22 37.20	+ 9 42.2	2.488	3.415	7.5	19.1
10 8	22 32.47	+ 8 40.6	2.553	3.417	9.8	19.2

66988 1999 XN_{97} 9 4.2 0°.17 2°.2/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.33	−10 14.4	1.584	2.456	15.2	18.2
8 9	23 12.43	−10 51.6	1.516	2.455	11.4	18.0
8 19	23 6.21	−11 38.3	1.471	2.454	7.2	17.7
8 29	22 58.35	−12 28.3	1.449	2.454	3.1	17.5
9 8	22 49.84	−13 14.7	1.453	2.454	3.5	17.5
9 18	22 41.77	−13 50.8	1.483	2.455	7.7	17.8
9 28	22 35.23	−14 12.0	1.538	2.456	11.9	18.0
10 8	22 30.96	−14 16.2	1.614	2.457	15.5	18.2

115292 2003 SM_{198} 9 4.2 186°.37 1°.7/ 6.1 18

7 30	23 15.60	− 0 23.9	2.510	3.327	12.0	19.8
8 9	23 11.05	− 0 23.2	2.426	3.327	9.4	19.7
8 19	23 4.96	− 0 33.2	2.365	3.327	6.4	19.5
8 29	22 57.80	− 0 52.5	2.330	3.327	3.3	19.3
9 8	22 50.19	− 1 18.2	2.323	3.327	1.8	19.2
9 18	22 42.82	− 1 46.8	2.345	3.326	4.5	19.4
9 28	22 36.37	− 2 14.6	2.395	3.326	7.6	19.5
10 8	22 31.40	− 2 38.0	2.471	3.325	10.4	19.7

15738 1991 DP 9 4.2 203°.53 1°.2/ 2.8 18

7 30	23 13.05	− 7 4.3	2.307	3.158	11.8	18.0
8 9	23 9.28	− 8 1.7	2.230	3.157	8.9	17.8
8 19	23 3.91	− 9 9.2	2.176	3.155	5.6	17.6
8 29	22 57.40	−10 22.0	2.149	3.154	2.1	17.4
9 8	22 50.43	−11 34.3	2.151	3.153	2.3	17.4
9 18	22 43.71	−12 40.5	2.181	3.151	5.7	17.6
9 28	22 37.96	−13 35.7	2.238	3.150	9.0	17.8
10 8	22 33.75	−14 16.9	2.320	3.148	11.9	18.0

263561 2008 FX_{67} 9 4.2 227°.28 1°.8/ 2.7 18

7 30	23 19.55	− 8 58.5	1.766	2.624	14.5	21.5
8 9	23 14.77	− 9 39.5	1.686	2.616	11.0	21.3
8 19	23 7.71	−10 31.1	1.627	2.607	7.0	21.1
8 29	22 58.97	−11 27.7	1.593	2.598	2.8	20.8
9 8	22 49.46	−12 22.6	1.587	2.589	3.1	20.8
9 18	22 40.27	−13 9.0	1.608	2.579	7.3	21.0
9 28	22 32.47	−13 41.8	1.655	2.568	11.5	21.2
10 8	22 26.86	−13 58.2	1.724	2.558	15.1	21.5

146223 2000 WL_4 9 4.2 355°.69 4°.5/ 8.1 18

7 30	23 15.60	+ 5 20.0	1.845	2.656	15.9	19.5
8 9	23 11.63	+ 5 46.5	1.764	2.654	12.9	19.3
8 19	23 5.62	+ 5 55.5	1.704	2.652	9.6	19.1
8 29	22 58.13	+ 5 46.9	1.667	2.651	6.3	18.9
9 8	22 49.98	+ 5 23.0	1.656	2.650	4.5	18.8
9 18	22 42.13	+ 4 47.8	1.671	2.649	6.2	18.9
9 28	22 35.52	+ 4 7.2	1.711	2.649	9.5	19.1
10 8	22 30.87	+ 3 27.3	1.775	2.650	12.8	19.3

424173 2007 HY_{57} 9 4.2 88°.29 0°.5/ 3.7 16

7 30	23 16.29	− 4 46.6	1.666	2.521	15.3	21.5
8 9	23 12.21	− 5 35.6	1.602	2.530	11.6	21.3
8 19	23 5.97	− 6 39.1	1.560	2.539	7.4	21.0
8 29	22 58.24	− 7 51.4	1.543	2.548	2.8	20.8
9 8	22 49.95	− 9 5.0	1.552	2.557	2.1	20.7
9 18	22 42.12	−10 12.5	1.589	2.566	6.6	21.1
9 28	22 35.74	−11 7.4	1.651	2.575	10.8	21.3
10 8	22 31.49	−11 45.9	1.735	2.584	14.3	21.6

256522 2007 EE_{207} 9 4.2 93°.40 5°.8/11.4 18

7 30	23 15.16	+13 51.4	2.456	3.199	14.2	19.9
8 9	23 10.76	+14 11.7	2.380	3.213	12.0	19.7
8 19	23 4.79	+14 13.3	2.324	3.226	9.6	19.6
8 29	22 57.73	+13 55.7	2.291	3.239	7.4	19.5
9 8	22 50.25	+13 20.4	2.284	3.252	5.9	19.4
9 18	22 43.05	+12 30.8	2.305	3.264	6.2	19.5
9 28	22 36.84	+11 31.9	2.352	3.277	8.0	19.6
10 8	22 32.16	+10 29.8	2.425	3.289	10.2	19.8

336581 2009 SO_{186} 9 4.2 93°.65 2°.4/ 2.2 17

7 30	23 19.52	−10 12.6	1.599	2.465	15.3	21.1
8 9	23 14.66	−11 3.9	1.545	2.480	11.5	20.9
8 19	23 7.52	−12 4.3	1.512	2.494	7.2	20.7
8 29	22 58.82	−13 6.9	1.504	2.509	3.2	20.5
9 8	22 49.62	−14 4.0	1.523	2.523	3.7	20.6
9 18	22 41.03	−14 48.9	1.569	2.537	7.8	20.9
9 28	22 34.05	−15 17.3	1.639	2.550	11.7	21.1
10 8	22 29.39	−15 27.7	1.731	2.564	15.1	21.4

246198 2007 RW_{128} 9 4.2 128°.09 3°.2/ 1.2 16

7 30	23 20.74	−15 18.0	2.139	2.997	12.3	21.6
8 9	23 15.07	−15 54.5	2.079	3.009	9.3	21.4
8 19	23 7.56	−16 33.7	2.042	3.020	6.0	21.2
8 29	22 58.80	−17 10.2	2.032	3.031	3.4	21.1
9 8	22 49.64	−17 38.7	2.050	3.041	4.2	21.1
9 18	22 40.95	−17 55.4	2.096	3.051	7.1	21.4
9 28	22 33.56	−17 58.2	2.169	3.061	10.2	21.6
10 8	22 28.06	−17 46.6	2.265	3.070	12.9	21.8

377219 2003 YF_{37} 9 4.2 237°.70 1°.6/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.38	− 8 16.8	1.705	2.563	14.9	22.1
8 9	23 14.75	− 8 56.7	1.623	2.553	11.4	21.9
8 19	23 7.77	− 9 48.2	1.562	2.543	7.2	21.6
8 29	22 59.01	−10 46.0	1.527	2.532	2.8	21.3
9 8	22 49.45	−11 42.9	1.518	2.521	2.9	21.3
9 18	22 40.19	−12 32.0	1.537	2.509	7.4	21.6
9 28	22 32.34	−13 7.7	1.580	2.497	11.7	21.8
10 8	22 26.76	−13 26.7	1.646	2.484	15.5	22.0

45486 2000 AF_{237} 9 4.2 175°.97 1°.5/ 6.0 18

7 30	23 14.16	+ 1 40.9	2.199	3.018	13.4	18.6
8 9	23 10.19	+ 0 56.5	2.117	3.019	10.5	18.4
8 19	23 4.53	− 0 4.2	2.057	3.020	7.1	18.2
8 29	22 57.67	− 1 18.2	2.023	3.021	3.5	18.0
9 8	22 50.31	− 2 40.2	2.017	3.022	1.7	17.8
9 18	22 43.20	− 4 3.8	2.040	3.022	4.9	18.1
9 28	22 37.13	− 5 22.7	2.091	3.022	8.5	18.3
10 8	22 32.68	− 6 31.3	2.167	3.021	11.6	18.5

219176 1999 TL_{165} 9 4.2 336°.60 4°.0/ 8.5 18

7 30	23 12.82	+ 6 48.9	2.042	2.844	14.8	20.2
8 9	23 9.36	+ 6 46.6	1.956	2.839	12.1	20.1
8 19	23 4.10	+ 6 25.5	1.891	2.836	9.0	19.9
8 29	22 57.53	+ 5 46.2	1.849	2.832	5.8	19.7
9 8	22 50.38	+ 4 52.0	1.834	2.828	4.0	19.5
9 18	22 43.47	+ 3 47.9	1.845	2.825	5.6	19.6
9 28	22 37.64	+ 2 40.3	1.883	2.822	8.7	19.8
10 8	22 33.52	+ 1 35.9	1.946	2.820	11.9	20.0

46155 2001 FS_{70} 9 4.2 50°.91 1°.1/ 3.2 18

7 30	23 15.67	− 7 1.3	1.723	2.584	14.7	19.1
8 9	23 11.71	− 7 44.1	1.657	2.589	11.1	18.9
8 19	23 5.65	− 8 38.7	1.613	2.594	7.0	18.6
8 29	22 58.13	− 9 39.7	1.594	2.600	2.6	18.4
9 8	22 50.05	−10 40.1	1.602	2.606	2.5	18.4
9 18	22 42.40	−11 33.3	1.637	2.612	6.7	18.7
9 28	22 36.13	−12 14.0	1.696	2.618	10.7	18.9
10 8	22 31.93	−12 38.9	1.779	2.624	14.2	19.1

1869 Philoctetes 9 4.2 334°.26 0°.9/ 2.6 18

7 30	23 8.76	−10 17.2	4.039	4.885	7.3	18.1
8 9	23 5.38	−10 41.9	3.957	4.882	5.4	18.0
8 19	23 1.13	−11 10.1	3.901	4.879	3.4	17.8
8 29	22 56.27	−11 39.6	3.872	4.877	1.4	17.7
9 8	22 51.17	−12 7.9	3.874	4.874	1.5	17.7
9 18	22 46.22	−12 32.8	3.904	4.872	3.6	17.8
9 28	22 41.78	−12 52.4	3.964	4.869	5.6	18.0
10 8	22 38.19	−13 5.2	4.049	4.867	7.4	18.1

50793 2000 FF_{23} 9 4.2 238°.13 4°.7/30.1 18

7 30	23 16.62	−17 49.2	2.082	2.951	12.1	19.1
8 9	23 12.27	−18 59.8	2.009	2.944	9.3	18.9
8 19	23 5.96	−20 13.6	1.960	2.936	6.4	18.7
8 29	22 58.26	−21 23.4	1.937	2.928	4.7	18.6
9 8	22 49.96	−22 22.3	1.942	2.920	5.8	18.6
9 18	22 41.95	−23 4.8	1.973	2.911	8.6	18.8
9 28	22 35.15	−23 27.6	2.030	2.902	11.6	19.0
10 8	22 30.21	−23 30.2	2.108	2.893	14.4	19.1

140361 2001 TN_{23} 9 4.2 90°.98 0°.2/ 4.0 18

7 30	23 20.14	− 5 22.9	1.629	2.480	15.8	19.6
8 9	23 15.07	− 5 49.3	1.572	2.497	12.0	19.4
8 19	23 7.75	− 6 28.4	1.536	2.513	7.6	19.2
8 29	22 58.92	− 7 15.3	1.525	2.530	2.9	18.9
9 8	22 49.60	− 8 3.5	1.540	2.546	1.9	18.9
9 18	22 40.88	− 8 46.9	1.583	2.561	6.5	19.2
9 28	22 33.75	− 9 20.2	1.651	2.577	10.7	19.5
10 8	22 28.89	− 9 40.2	1.742	2.592	14.2	19.8

267062 1998 YH_5 9 4.2 333°.24 5°.0/28.7 18

7 30	23 8.26	−11 47.7	1.677	2.562	13.8	19.2
8 9	23 6.44	−14 19.8	1.594	2.542	10.3	18.9
8 19	23 2.54	−17 8.7	1.537	2.522	6.8	18.7
8 29	22 57.01	−20 3.2	1.507	2.503	5.0	18.5
9 8	22 50.67	−22 49.2	1.506	2.485	7.0	18.6
9 18	22 44.49	−25 13.8	1.531	2.468	10.7	18.8
9 28	22 39.51	−27 8.1	1.581	2.451	14.5	19.0
10 8	22 36.57	−28 28.3	1.650	2.436	17.7	19.1

483633 2004 TK_{290} 9 4.2 341°.21 0°.7/ 3.7 17

7 30	23 14.73	− 7 50.3	1.692	2.557	14.7	20.8
8 9	23 11.18	− 8 0.0	1.612	2.546	11.2	20.6
8 19	23 5.45	− 8 19.6	1.554	2.535	7.2	20.3
8 29	22 58.11	− 8 45.2	1.520	2.525	2.7	20.0
9 8	22 50.07	− 9 11.6	1.511	2.516	2.2	19.9
9 18	22 42.34	− 9 33.5	1.529	2.508	6.7	20.2
9 28	22 35.96	− 9 46.3	1.572	2.501	10.9	20.5
10 8	22 31.69	− 9 47.2	1.636	2.494	14.6	20.7

471988 2013 VL_8 9 4.2 258°.43 4°.5/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.62	−15 39.1	1.704	2.575	14.3	21.7
8 9	23 15.02	−16 37.0	1.625	2.562	10.9	21.5
8 19	23 7.98	−17 40.7	1.568	2.548	7.3	21.2
8 29	22 59.13	−18 42.6	1.537	2.534	4.6	21.1
9 8	22 49.46	−19 34.4	1.532	2.520	5.7	21.1
9 18	22 40.10	−20 9.6	1.553	2.505	9.3	21.3
9 28	22 32.22	−20 23.9	1.598	2.490	13.1	21.5
10 8	22 26.67	−20 16.9	1.664	2.475	16.5	21.7

388686 2007 UH_{85} 9 4.2 64°.09 3°.2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.52	−13 21.0	1.788	2.657	13.8	20.6
8 9	23 13.03	−14 7.9	1.728	2.665	10.4	20.4
8 19	23 6.45	−15 0.5	1.690	2.672	6.6	20.2
8 29	22 58.44	−15 52.2	1.678	2.680	3.5	20.0
9 8	22 49.93	−16 36.4	1.693	2.687	4.3	20.1
9 18	22 41.90	−17 7.8	1.734	2.695	7.8	20.3
9 28	22 35.30	−17 22.9	1.800	2.703	11.3	20.5
10 8	22 30.77	−17 20.9	1.889	2.711	14.4	20.8

240430 2003 WW_{69} 9 4.2 298°.33 8°.7/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.68	−27 27.2	1.756	2.631	13.7	20.3
8 9	23 14.31	−28 54.4	1.696	2.623	11.2	20.1
8 19	23 7.49	−30 16.6	1.659	2.614	9.2	20.0
8 29	22 58.91	−31 23.9	1.646	2.605	8.7	20.0
9 8	22 49.62	−32 7.9	1.657	2.597	10.0	20.0
9 18	22 40.81	−32 23.7	1.692	2.589	12.5	20.2
9 28	22 33.59	−32 10.3	1.749	2.580	15.1	20.3
10 8	22 28.77	−31 30.4	1.825	2.572	17.6	20.5

287416 2002 WG_2 9 4.2 12°.64 3°.7/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.10	−14 7.3	1.734	2.609	13.9	20.2
8 9	23 12.09	−15 0.4	1.670	2.610	10.5	20.0
8 19	23 5.93	−15 59.1	1.629	2.611	6.8	19.8
8 29	22 58.27	−16 56.6	1.612	2.613	3.9	19.6
9 8	22 50.03	−17 45.6	1.622	2.615	4.9	19.7
9 18	22 42.24	−18 20.3	1.658	2.617	8.3	19.9
9 28	22 35.86	−18 37.1	1.719	2.619	11.9	20.1
10 8	22 31.60	−18 34.9	1.801	2.622	15.0	20.3

382527 2001 SN_{269} 9 4.2 336°.89 0°.2/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.13	− 4 52.8	1.182	2.064	18.6	20.8
8 9	23 10.83	− 5 2.1	1.107	2.048	14.4	20.5
8 19	23 5.69	− 5 28.8	1.051	2.034	9.4	20.2
8 29	22 58.34	− 6 9.0	1.015	2.021	3.8	19.8
9 8	22 49.93	− 6 55.6	1.003	2.009	2.2	19.7
9 18	22 41.89	− 7 39.9	1.013	1.998	8.1	20.0
9 28	22 35.64	− 8 14.0	1.046	1.989	13.5	20.3
10 8	22 32.21	− 8 32.0	1.097	1.980	18.2	20.5

481866 2008 YE_{54} 9 4.2 266°.80 7°.6/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.03	+11 34.8	1.950	2.710	16.8	21.6
8 9	23 17.37	+12 50.7	1.861	2.705	14.4	21.4
8 19	23 9.42	+13 49.0	1.792	2.701	11.6	21.2
8 29	22 59.71	+14 26.5	1.746	2.696	9.1	21.1
9 8	22 49.13	+14 41.9	1.726	2.692	7.7	21.0
9 18	22 38.73	+14 36.6	1.733	2.687	8.3	21.0
9 28	22 29.61	+14 15.0	1.765	2.683	10.6	21.1
10 8	22 22.63	+13 43.9	1.821	2.678	13.4	21.3

114451 2003 AV_{23} 9 4.2 342°.99 1°.8/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.96	− 7 48.0	1.219	2.104	17.8	19.0
8 9	23 11.32	− 8 27.8	1.151	2.096	13.6	18.7
8 19	23 5.90	− 9 23.2	1.103	2.089	8.6	18.4
8 29	22 58.39	−10 27.6	1.076	2.082	3.4	18.1
9 8	22 49.97	−11 31.5	1.073	2.077	3.5	18.1
9 18	22 42.01	−12 25.4	1.094	2.072	8.8	18.4
9 28	22 35.86	−13 1.8	1.137	2.068	13.8	18.6
10 8	22 32.45	−13 16.9	1.199	2.065	18.2	18.9

278151 2007 DP_{17} 9 4.2 239°.79 0°.0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.64	− 4 6.0	1.875	2.719	14.4	22.1
8 9	23 13.27	− 4 44.8	1.786	2.707	11.1	21.9
8 19	23 6.77	− 5 38.0	1.718	2.694	7.2	21.7
8 29	22 58.67	− 6 41.6	1.676	2.680	2.8	21.4
9 8	22 49.80	− 7 49.5	1.661	2.666	1.8	21.3
9 18	22 41.14	− 8 54.8	1.674	2.652	6.3	21.5
9 28	22 33.70	− 9 51.0	1.713	2.637	10.5	21.7
10 8	22 28.27	−10 33.3	1.776	2.621	14.2	21.9

19725 1999 WT_4 9 4.2 267°.71 2°.2/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 9.39	−17 28.2	4.358	5.213	6.6	18.1
8 9	23 5.83	−17 58.4	4.279	5.208	4.9	18.0
8 19	23 1.41	−18 29.2	4.227	5.202	3.3	17.8
8 29	22 56.42	−18 58.1	4.203	5.197	2.2	17.7
9 8	22 51.20	−19 22.7	4.209	5.191	2.7	17.8
9 18	22 46.11	−19 41.1	4.243	5.186	4.3	17.9
9 28	22 41.52	−19 51.6	4.306	5.180	5.9	18.0
10 8	22 37.76	−19 53.7	4.393	5.175	7.5	18.1

367919 2012 BE_{126} 9 4.2 30°.79 0°.4/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 21.31	− 7 28.9	1.132	2.010	19.5	19.9
8 9	23 16.87	− 7 23.0	1.078	2.018	14.9	19.6
8 19	23 9.35	− 7 29.8	1.043	2.026	9.5	19.4
8 29	22 59.68	− 7 44.8	1.029	2.035	3.7	19.1
9 8	22 49.27	− 8 1.2	1.039	2.045	2.4	19.0
9 18	22 39.67	− 8 12.9	1.073	2.056	8.2	19.4
9 28	22 32.28	− 8 14.7	1.130	2.067	13.3	19.7
10 8	22 27.94	− 8 3.9	1.206	2.078	17.7	20.0

126760 2002 DS_{10} 9 4.3 243°.83 0°.4/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.75	− 3 55.4	1.867	2.710	14.4	20.4
8 9	23 13.31	− 4 16.1	1.782	2.702	11.1	20.2
8 19	23 6.76	− 4 50.0	1.719	2.693	7.3	20.0
8 29	22 58.66	− 5 33.6	1.681	2.685	3.0	19.7
9 8	22 49.85	− 6 21.7	1.670	2.676	1.6	19.6
9 18	22 41.31	− 7 8.5	1.687	2.667	6.0	19.8
9 28	22 34.03	− 7 48.4	1.730	2.658	10.1	20.1
10 8	22 28.75	− 8 17.1	1.796	2.648	13.8	20.3

186516 2002 VH_{31} 9 4.3 303°.43 2°.7/ 6.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.57	+ 1 49.8	1.483	2.325	17.6	20.2
8 9	23 12.16	+ 1 38.3	1.403	2.317	14.0	20.0
8 19	23 6.27	+ 1 5.4	1.342	2.309	9.7	19.7
8 29	22 58.53	+ 0 13.3	1.303	2.301	5.2	19.4
9 8	22 49.92	− 0 52.6	1.289	2.293	2.8	19.2
9 18	22 41.62	− 2 4.5	1.301	2.286	6.6	19.5
9 28	22 34.82	− 3 13.6	1.338	2.279	11.3	19.7
10 8	22 30.41	− 4 12.1	1.396	2.272	15.5	20.0

132979 2002 TJ_{186} 9 4.3 60°.59 0°.9/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.40	− 8 17.1	1.675	2.533	15.2	19.0
8 9	23 15.19	− 8 29.7	1.621	2.550	11.5	18.8
8 19	23 7.80	− 8 51.2	1.589	2.569	7.2	18.6
8 29	22 58.98	− 9 17.1	1.582	2.587	2.7	18.3
9 8	22 49.73	− 9 42.1	1.601	2.605	2.2	18.4
9 18	22 41.10	−10 1.3	1.647	2.624	6.5	18.7
9 28	22 34.05	−10 11.0	1.719	2.642	10.5	19.0
10 8	22 29.22	−10 9.3	1.814	2.661	13.9	19.2

356219 2009 SJ_{121} 9 4.3 302°.31 0°.3/ 4.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 8.42	− 3 54.7	4.160	4.984	7.5	21.4
8 9	23 5.14	− 4 11.4	4.068	4.977	5.7	21.3
8 19	23 1.00	− 4 33.8	4.000	4.970	3.7	21.1
8 29	22 56.28	− 5 0.4	3.961	4.963	1.6	21.0
9 8	22 51.31	− 5 29.0	3.951	4.957	0.8	20.9
9 18	22 46.45	− 5 57.6	3.971	4.950	2.9	21.1
9 28	22 42.08	− 6 23.8	4.020	4.943	5.0	21.2
10 8	22 38.50	− 6 45.8	4.095	4.936	6.9	21.3

146041 2000 EN_2 9 4.3 299°.84 1°.2/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.52	− 2 18.8	1.428	2.285	17.3	20.5
8 9	23 13.14	− 2 28.5	1.338	2.264	13.6	20.2
8 19	23 7.09	− 2 56.2	1.267	2.242	9.2	19.9
8 29	22 58.93	− 3 39.3	1.218	2.221	4.1	19.5
9 8	22 49.65	− 4 32.1	1.194	2.200	2.0	19.3
9 18	22 40.53	− 5 27.1	1.195	2.179	7.3	19.6
9 28	22 32.92	− 6 16.2	1.221	2.159	12.4	19.8
10 8	22 27.87	− 6 52.6	1.267	2.139	17.0	20.1

96910 1999 TX_{102} 9 4.3 224°.29 1°.7/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.89	− 7 15.7	2.060	2.913	12.9	18.8
8 9	23 10.97	− 8 29.5	1.978	2.906	9.7	18.6
8 19	23 5.17	− 9 55.7	1.919	2.899	6.1	18.4
8 29	22 58.02	−11 28.5	1.887	2.892	2.5	18.2
9 8	22 50.25	−13 0.5	1.883	2.884	2.9	18.2
9 18	22 42.72	−14 24.3	1.908	2.876	6.7	18.4
9 28	22 36.28	−15 33.8	1.960	2.867	10.3	18.6
10 8	22 31.61	−16 25.4	2.035	2.858	13.5	18.8

1517 Beograd 9 4.3 41°.14 3°.3/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.28	−13 11.4	1.747	2.618	14.0	15.2
8 9	23 12.96	−13 59.2	1.683	2.621	10.6	15.0
8 19	23 6.49	−14 53.3	1.642	2.624	6.8	14.8
8 29	22 58.52	−15 47.0	1.625	2.627	3.6	14.6
9 8	22 49.99	−16 33.4	1.636	2.630	4.4	14.7
9 18	22 41.91	−17 6.8	1.672	2.634	8.0	14.9
9 28	22 35.26	−17 23.4	1.734	2.638	11.6	15.1
10 8	22 30.74	−17 22.3	1.817	2.641	14.8	15.3

290687 2005 UY_{360} 9 4.3 243°.61 3°.5/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.30	−16 51.3	2.445	3.305	10.9	21.2
8 9	23 12.51	−17 34.5	2.363	3.294	8.3	21.0
8 19	23 6.02	−18 20.0	2.306	3.282	5.5	20.8
8 29	22 58.32	−19 2.8	2.276	3.271	3.6	20.7
9 8	22 50.09	−19 37.9	2.274	3.259	4.4	20.7
9 18	22 42.11	−20 1.2	2.300	3.247	7.1	20.9
9 28	22 35.15	−20 10.0	2.353	3.235	9.9	21.0
10 8	22 29.80	−20 3.8	2.428	3.222	12.5	21.2

183738 2003 YH_{113} 9 4.3 176°.47 3°.6/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 21.46	−14 19.8	1.889	2.750	13.6	20.9
8 9	23 16.02	−15 13.9	1.821	2.753	10.2	20.7
8 19	23 8.41	−16 13.2	1.776	2.755	6.7	20.4
8 29	22 59.27	−17 11.0	1.757	2.756	3.8	20.3
9 8	22 49.54	−18 0.2	1.765	2.756	4.7	20.3
9 18	22 40.23	−18 35.3	1.801	2.756	8.1	20.5
9 28	22 32.35	−18 53.0	1.863	2.755	11.6	20.8
10 8	22 26.61	−18 52.5	1.947	2.754	14.6	21.0

69776 1998 QB_{49} 9 4.3 62°.14 0°.5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.35	− 2 7.7	1.659	2.511	15.5	18.5
8 9	23 9.99	− 3 35.6	1.599	2.525	11.8	18.2
8 19	23 4.58	− 5 22.0	1.562	2.540	7.4	18.0
8 29	22 57.77	− 7 19.6	1.550	2.555	2.8	17.8
9 8	22 50.45	− 9 18.5	1.566	2.570	2.1	17.8
9 18	22 43.59	−11 9.0	1.609	2.586	6.6	18.1
9 28	22 38.11	−12 42.9	1.678	2.601	10.7	18.4
10 8	22 34.65	−13 55.3	1.771	2.616	14.2	18.6

296584 2009 RQ_{16} 9 4.3 271°.28 1°.2/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.46	− 8 54.8	2.367	3.218	11.5	20.9
8 9	23 10.33	− 9 28.0	2.289	3.216	8.7	20.7
8 19	23 4.60	−10 8.6	2.234	3.213	5.5	20.5
8 29	22 57.75	−10 52.7	2.206	3.211	2.2	20.3
9 8	22 50.45	−11 35.5	2.206	3.208	2.2	20.3
9 18	22 43.40	−12 12.7	2.235	3.206	5.5	20.5
9 28	22 37.33	−12 40.7	2.290	3.203	8.7	20.7
10 8	22 32.80	−12 57.0	2.370	3.201	11.6	20.9

510842 2013 CO_{44} 9 4.3 49°.09 1°.8/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.88	− 9 5.1	1.784	2.648	14.1	20.7
8 9	23 11.64	− 9 50.7	1.737	2.671	10.5	20.5
8 19	23 5.48	−10 44.8	1.712	2.694	6.5	20.3
8 29	22 58.07	−11 41.6	1.713	2.718	2.7	20.1
9 8	22 50.31	−12 34.5	1.740	2.742	2.9	20.2
9 18	22 43.10	−13 18.0	1.795	2.766	6.7	20.5
9 28	22 37.28	−13 48.0	1.875	2.790	10.2	20.7
10 8	22 33.42	−14 2.7	1.978	2.814	13.3	21.0

278957 2008 UG_{84} 9 4.3 48°.62 7°.2/30.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.62	−23 2.8	1.372	2.251	16.6	19.4
8 9	23 19.51	−23 42.1	1.337	2.272	12.9	19.3
8 19	23 10.65	−24 16.0	1.322	2.294	9.3	19.1
8 29	23 0.07	−24 35.6	1.330	2.316	7.2	19.1
9 8	22 49.18	−24 34.4	1.363	2.338	8.2	19.2
9 18	22 39.37	−24 10.0	1.421	2.361	11.2	19.4
9 28	22 31.77	−23 23.5	1.501	2.383	14.4	19.7
10 8	22 27.01	−22 18.7	1.601	2.407	17.3	19.9

520549 2014 MS_{76} 9 4.3 93°.55 2°.5/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.17	−11 42.5	2.320	3.182	11.3	21.3
8 9	23 9.38	−12 48.4	2.252	3.186	8.5	21.2
8 19	23 4.00	−14 0.8	2.209	3.190	5.4	21.0
8 29	22 57.52	−15 14.2	2.192	3.194	2.8	20.8
9 8	22 50.61	−16 22.5	2.204	3.198	3.6	20.9
9 18	22 43.99	−17 20.5	2.244	3.202	6.5	21.1
9 28	22 38.37	−18 4.4	2.310	3.206	9.5	21.3
10 8	22 34.29	−18 32.1	2.400	3.209	12.1	21.5

302557 2002 OD_{34} 9 4.3 357°.16 0°.1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.58	− 8 37.0	1.425	2.290	16.9	20.1
8 9	23 16.71	− 8 10.0	1.354	2.287	13.0	19.8
8 19	23 9.15	− 7 50.6	1.304	2.284	8.4	19.5
8 29	22 59.63	− 7 36.1	1.278	2.283	3.3	19.2
9 8	22 49.34	− 7 22.6	1.276	2.282	2.0	19.2
9 18	22 39.58	− 7 6.5	1.301	2.282	7.2	19.5
9 28	22 31.62	− 6 44.8	1.350	2.283	11.9	19.8
10 8	22 26.31	− 6 15.5	1.421	2.285	16.0	20.0

252702 2002 CB_{91} 9 4.3 285°.20 0°.6/ 3.1 16 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 9.12	− 9 7.8	4.211	5.051	7.1	20.2
8 9	23 5.66	− 9 28.1	4.121	5.043	5.3	20.0
8 19	23 1.34	− 9 52.2	4.057	5.034	3.3	19.9
8 29	22 56.43	−10 18.1	4.021	5.026	1.3	19.7
9 8	22 51.27	−10 43.6	4.015	5.018	1.3	19.7
9 18	22 46.23	−11 6.5	4.039	5.009	3.3	19.9
9 28	22 41.67	−11 25.0	4.091	5.001	5.3	20.0
10 8	22 37.93	−11 37.5	4.169	4.992	7.1	20.1

405816 2006 BV_{94} 9 4.3 207°.07 0°.8/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.27	− 5 56.1	2.501	3.346	11.2	21.2
8 9	23 8.62	− 6 55.7	2.421	3.344	8.4	21.0
8 19	23 3.49	− 8 5.5	2.364	3.343	5.3	20.8
8 29	22 57.33	− 9 21.2	2.335	3.341	2.0	20.6
9 8	22 50.73	−10 37.4	2.335	3.339	1.9	20.6
9 18	22 44.34	−11 48.7	2.365	3.337	5.2	20.8
9 28	22 38.83	−12 50.3	2.422	3.334	8.3	21.0
10 8	22 34.73	−13 38.8	2.503	3.332	11.1	21.2

341507 2007 TB_{410} 9 4.3 359°.63 16°.7/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.10	+30 0.2	1.053	1.784	29.8	20.8
8 9	23 9.13	+31 1.8	0.988	1.782	27.5	20.6
8 19	23 4.93	+31 13.2	0.931	1.781	24.6	20.3
8 29	22 58.17	+30 23.5	0.887	1.781	21.5	20.1
9 8	22 50.19	+28 27.7	0.856	1.781	18.6	20.0
9 18	22 42.67	+25 29.8	0.844	1.782	16.9	19.9
9 28	22 37.31	+21 46.3	0.851	1.783	17.1	19.9
10 8	22 35.27	+17 42.8	0.878	1.786	19.2	20.1

329961 2005 QS_{151} 9 4.3 17°.26 3°.9/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.06	+ 4 18.6	1.286	2.131	19.6	20.5
8 9	23 11.18	+ 4 13.9	1.221	2.134	15.7	20.2
8 19	23 5.70	+ 3 43.6	1.174	2.137	11.2	20.0
8 29	22 58.32	+ 2 49.4	1.148	2.142	6.6	19.8
9 8	22 50.16	+ 1 37.3	1.145	2.147	3.9	19.6
9 18	22 42.49	+ 0 16.5	1.166	2.152	7.0	19.8
9 28	22 36.55	− 1 2.8	1.212	2.159	11.6	20.1
10 8	22 33.17	− 2 11.3	1.278	2.166	15.8	20.4

253340 2003 FF_{39} 9 4.3 255°.72 0°.8/ 5.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.63	− 1 6.9	4.495	5.306	7.2	20.8
8 9	23 4.50	− 1 25.7	4.401	5.301	5.5	20.7
8 19	23 0.59	− 1 50.8	4.333	5.296	3.7	20.6
8 29	22 56.14	− 2 20.9	4.293	5.292	1.8	20.4
9 8	22 51.47	− 2 54.1	4.282	5.287	0.9	20.3
9 18	22 46.91	− 3 28.4	4.301	5.282	2.6	20.5
9 28	22 42.78	− 4 1.4	4.350	5.277	4.5	20.6
10 8	22 39.38	− 4 31.2	4.426	5.272	6.3	20.7

93806 2000 WD_{54} 9 4.3 314°.52 1°.9/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.14	− 9 40.9	1.625	2.491	15.1	19.7
8 9	23 13.85	−10 11.0	1.552	2.487	11.5	19.4
8 19	23 7.22	−10 50.6	1.500	2.483	7.3	19.2
8 29	22 58.88	−11 34.4	1.473	2.479	3.0	18.9
9 8	22 49.83	−12 15.6	1.473	2.475	3.2	18.9
9 18	22 41.19	−12 48.1	1.498	2.471	7.5	19.2
9 28	22 34.04	−13 7.1	1.548	2.467	11.7	19.4
10 8	22 29.19	−13 10.3	1.620	2.464	15.4	19.7

149502 2003 FP_{35} 9 4.3 5°.80 0°.3/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.04	− 3 53.5	1.638	2.498	15.4	19.5
8 9	23 9.88	− 4 18.4	1.569	2.498	11.8	19.3
8 19	23 4.61	− 4 57.9	1.521	2.499	7.6	19.0
8 29	22 57.84	− 5 47.7	1.497	2.501	3.1	18.8
9 8	22 50.46	− 6 41.8	1.498	2.504	1.7	18.7
9 18	22 43.48	− 7 33.5	1.525	2.507	6.3	19.0
9 28	22 37.85	− 8 16.6	1.578	2.511	10.5	19.3
10 8	22 34.29	− 8 46.7	1.652	2.516	14.1	19.5

472273 2014 UK_{51} 9 4.3 234°.14 3°.4/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.88	+ 3 12.4	1.374	2.212	18.9	21.1
8 9	23 14.06	+ 3 5.4	1.300	2.210	15.2	20.8
8 19	23 7.57	+ 2 34.7	1.245	2.208	10.7	20.6
8 29	22 59.09	+ 1 42.1	1.211	2.207	6.0	20.3
9 8	22 49.71	+ 0 33.3	1.202	2.205	3.4	20.2
9 18	22 40.75	− 0 43.3	1.218	2.203	7.0	20.4
9 28	22 33.47	− 1 58.0	1.259	2.201	11.7	20.6
10 8	22 28.80	− 3 2.1	1.321	2.199	16.1	20.9

19647 1999 RZ_{103} 9 4.3 2°.47 5°.1/ 9.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.58	+ 7 45.1	1.885	2.684	16.0	17.6
8 9	23 10.87	+ 8 8.4	1.805	2.684	13.2	17.4
8 19	23 5.19	+ 8 12.6	1.745	2.684	10.0	17.2
8 29	22 58.07	+ 7 57.2	1.707	2.684	6.9	17.0
9 8	22 50.33	+ 7 24.4	1.695	2.685	5.1	16.9
9 18	22 42.88	+ 6 38.6	1.710	2.686	6.3	17.0
9 28	22 36.63	+ 5 46.0	1.750	2.688	9.3	17.2
10 8	22 32.27	+ 4 53.4	1.813	2.690	12.5	17.4

91799 1999 TE_{234} 9 4.3 315°.94 0°.7/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.64	− 5 5.5	2.018	2.859	13.6	19.2
8 9	23 13.83	− 4 54.6	1.931	2.849	10.5	19.0
8 19	23 7.04	− 4 52.7	1.867	2.840	6.9	18.7
8 29	22 58.80	− 4 57.8	1.828	2.831	2.9	18.5
9 8	22 49.91	− 5 6.6	1.817	2.823	1.5	18.3
9 18	22 41.29	− 5 15.5	1.834	2.814	5.5	18.6
9 28	22 33.85	− 5 20.9	1.877	2.806	9.4	18.8
10 8	22 28.31	− 5 19.9	1.945	2.799	12.8	19.0

424699 2008 ST_{37} 9 4.3 345°.64 4°.4/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.16	+ 8 34.1	1.440	2.263	18.9	20.4
8 9	23 8.08	+ 7 58.2	1.361	2.257	15.5	20.2
8 19	23 3.69	+ 6 51.4	1.299	2.252	11.5	19.9
8 29	22 57.55	+ 5 15.3	1.260	2.248	7.2	19.7
9 8	22 50.64	+ 3 16.6	1.245	2.244	4.4	19.5
9 18	22 44.05	+ 1 5.7	1.255	2.241	6.6	19.6
9 28	22 38.90	− 1 4.2	1.290	2.238	10.9	19.9
10 8	22 36.02	− 3 1.4	1.348	2.236	15.1	20.1

173361 2000 AQ_{42} 9 4.3 110°.16 14°.3/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 29.11	+18 11.7	1.216	1.974	25.2	19.6
8 9	23 23.31	+20 29.9	1.154	1.981	22.3	19.4
8 19	23 13.94	+22 18.7	1.106	1.989	19.2	19.2
8 29	23 1.72	+23 28.1	1.076	1.997	16.3	19.0
9 8	22 48.13	+23 52.5	1.066	2.004	14.5	19.0
9 18	22 35.01	+23 32.7	1.078	2.011	14.6	19.0
9 28	22 24.21	+22 37.5	1.110	2.017	16.4	19.1
10 8	22 16.96	+21 21.3	1.162	2.024	19.0	19.3

260291 2004 TZ_{71} 9 4.3 279°.63 1°.3/ 2.8 18

7 30	23 13.60	− 8 5.6	2.286	3.139	11.8	20.6
8 9	23 9.86	− 8 51.9	2.196	3.124	8.9	20.4
8 19	23 4.43	− 9 47.7	2.130	3.110	5.6	20.2
8 29	22 57.76	−10 48.7	2.090	3.095	2.2	19.9
9 8	22 50.53	−11 49.5	2.078	3.080	2.4	19.9
9 18	22 43.47	−12 44.6	2.095	3.066	5.9	20.1
9 28	22 37.37	−13 29.3	2.138	3.051	9.3	20.3
10 8	22 32.84	−14 0.5	2.205	3.036	12.3	20.5

233532 2007 HA_{68} 9 4.3 22°.93 3°.1/ 1.9 18

7 30	23 13.17	−10 5.9	1.081	1.979	18.6	19.1
8 9	23 10.70	−11 1.5	1.040	1.992	13.9	18.9
8 19	23 5.39	−12 9.4	1.018	2.006	8.7	18.6
8 29	22 58.17	−13 20.1	1.017	2.022	3.9	18.4
9 8	22 50.36	−14 22.7	1.039	2.040	4.7	18.5
9 18	22 43.36	−15 8.6	1.084	2.058	9.5	18.9
9 28	22 38.37	−15 32.3	1.151	2.078	14.1	19.2
10 8	22 36.12	−15 32.9	1.236	2.099	18.0	19.5

10986 Govert 9 4.3 292°.45 1°.8/ 2.9 18

7 30	23 16.96	− 7 32.9	1.321	2.196	17.4	17.7
8 9	23 13.62	− 8 18.7	1.242	2.182	13.3	17.4
8 19	23 7.46	− 9 20.8	1.183	2.167	8.5	17.1
8 29	22 59.12	−10 32.9	1.147	2.153	3.3	16.8
9 8	22 49.72	−11 45.4	1.135	2.138	3.5	16.8
9 18	22 40.62	−12 48.6	1.148	2.124	8.8	17.0
9 28	22 33.24	−13 34.5	1.184	2.110	13.9	17.3
10 8	22 28.59	−13 58.7	1.239	2.096	18.4	17.5

285770 2000 UA_{68} 9 4.3 293°.81 5°.1/ 9.9 18

7 30	23 14.02	+10 16.3	2.172	2.948	14.9	20.5
8 9	23 10.24	+10 25.2	2.083	2.945	12.4	20.3
8 19	23 4.70	+10 14.8	2.015	2.941	9.6	20.1
8 29	22 57.88	+ 9 44.7	1.970	2.938	6.8	19.9
9 8	22 50.49	+ 8 57.2	1.950	2.934	5.2	19.8
9 18	22 43.30	+ 7 56.4	1.958	2.931	6.0	19.9
9 28	22 37.14	+ 6 48.5	1.992	2.928	8.5	20.0
10 8	22 32.66	+ 5 40.1	2.052	2.924	11.4	20.2

36095 1999 RL_{109} 9 4.3 218°.77 3°.4/ 8.6 18

7 30	23 13.67	+ 7 25.2	2.676	3.455	12.3	18.8
8 9	23 9.64	+ 7 12.8	2.579	3.449	10.0	18.6
8 19	23 4.16	+ 6 44.9	2.504	3.442	7.5	18.4
8 29	22 57.64	+ 6 2.3	2.455	3.434	4.9	18.2
9 8	22 50.64	+ 5 7.7	2.433	3.426	3.4	18.1
9 18	22 43.81	+ 4 4.9	2.441	3.418	4.6	18.2
9 28	22 37.78	+ 2 59.0	2.476	3.410	7.2	18.4
10 8	22 33.10	+ 1 55.1	2.538	3.401	9.8	18.5

308941 2006 SE_{406} 9 4.3 331°.13 1°.3/ 3.0 17

7 30	23 14.57	− 7 40.9	1.805	2.667	14.0	21.2
8 9	23 10.94	− 8 21.5	1.729	2.662	10.6	21.0
8 19	23 5.28	− 9 13.3	1.676	2.657	6.7	20.7
8 29	22 58.14	−10 11.2	1.647	2.652	2.6	20.5
9 8	22 50.37	−11 8.8	1.645	2.648	2.6	20.5
9 18	22 42.92	−11 59.6	1.670	2.644	6.7	20.7
9 28	22 36.74	−12 38.2	1.720	2.640	10.7	21.0
10 8	22 32.52	−13 1.5	1.792	2.637	14.1	21.2

332857 2010 TJ_{169} 9 4.3 7°.21 7°.1/30.0 18

7 30	23 12.67	−16 11.8	0.992	1.904	18.7	19.1
8 9	23 10.81	−17 46.4	0.946	1.904	14.2	18.9
8 19	23 5.76	−19 28.7	0.918	1.905	9.7	18.7
8 29	22 58.42	−21 4.8	0.911	1.908	7.1	18.5
9 8	22 50.23	−22 20.3	0.926	1.912	8.9	18.6
9 18	22 42.80	−23 5.3	0.961	1.917	13.1	18.9
9 28	22 37.58	−23 15.8	1.016	1.923	17.5	19.2
10 8	22 35.43	−22 53.7	1.088	1.931	21.3	19.5

310341 2011 UJ_{206} 9 4.3 11°.26 3°.5/ 1.1 18

7 30	23 14.76	−12 45.7	1.581	2.460	14.8	20.4
8 9	23 11.29	−13 43.2	1.519	2.462	11.1	20.2
8 19	23 5.57	−14 48.5	1.480	2.464	7.1	19.9
8 29	22 58.25	−15 54.0	1.465	2.467	3.8	19.7
9 8	22 50.33	−16 51.6	1.475	2.470	4.8	19.8
9 18	22 42.88	−17 34.6	1.512	2.474	8.6	20.1
9 28	22 36.93	−17 58.5	1.571	2.479	12.4	20.3
10 8	22 33.19	−18 2.2	1.652	2.484	15.7	20.5

223433 2003 SN_{277} 9 4.3 26°.52 2°.5/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.28	+ 1 8.9	2.197	3.014	13.4	20.0
8 9	23 11.82	+ 1 21.0	2.118	3.017	10.6	19.8
8 19	23 5.63	+ 1 20.4	2.061	3.020	7.4	19.6
8 29	22 58.23	+ 1 8.2	2.030	3.023	4.2	19.4
9 8	22 50.34	+ 0 47.2	2.025	3.027	2.5	19.3
9 18	22 42.73	+ 0 21.0	2.049	3.031	5.0	19.5
9 28	22 36.20	− 0 6.1	2.100	3.034	8.2	19.7
10 8	22 31.33	− 0 29.9	2.176	3.039	11.2	19.9

170011 Szkody 9 4.3 321°.86 3°.2/ 7.1 18

7 30	23 15.99	+ 2 41.2	1.763	2.589	15.9	19.9
8 9	23 12.11	+ 2 49.1	1.680	2.583	12.8	19.6
8 19	23 6.09	+ 2 39.5	1.617	2.577	9.1	19.4
8 29	22 58.49	+ 2 13.5	1.578	2.571	5.3	19.2
9 8	22 50.17	+ 1 34.6	1.565	2.566	3.3	19.0
9 18	22 42.12	+ 0 47.9	1.577	2.560	6.0	19.2
9 28	22 35.36	− 0 0.0	1.616	2.555	9.8	19.4
10 8	22 30.65	− 0 43.0	1.678	2.551	13.5	19.6

264333 1999 VE_{101} 9 4.3 293°.79 1°.1/ 3.4 18

7 30	23 17.55	− 7 0.2	1.426	2.294	16.7	21.3
8 9	23 13.98	− 7 30.7	1.337	2.273	12.9	21.0
8 19	23 7.69	− 8 16.2	1.269	2.251	8.3	20.7
8 29	22 59.24	− 9 11.7	1.224	2.230	3.2	20.3
9 8	22 49.68	−10 9.5	1.204	2.208	2.8	20.2
9 18	22 40.31	−11 1.4	1.209	2.187	8.1	20.5
9 28	22 32.49	−11 39.8	1.238	2.166	13.2	20.7
10 8	22 27.27	−12 0.1	1.287	2.145	17.7	20.9

303920 2005 UK_{201} 9 4.3 24°.07 3°.7/ 6.8 17

7 30	23 11.64	+ 2 31.4	0.808	1.696	24.2	20.3
8 9	23 10.23	+ 2 28.8	0.767	1.707	19.2	20.1
8 19	23 5.46	+ 1 53.3	0.741	1.719	13.3	19.8
8 29	22 58.31	+ 0 48.9	0.733	1.733	7.1	19.5
9 8	22 50.35	− 0 34.2	0.743	1.748	3.8	19.4
9 18	22 43.30	− 2 2.1	0.775	1.765	8.4	19.8
9 28	22 38.65	− 3 21.0	0.826	1.784	14.0	20.1
10 8	22 37.25	− 4 20.9	0.896	1.803	18.9	20.5

294149 2007 TQ_{321} 9 4.3 11°.40 0°.4/ 3.9 18

7 30	23 16.03	− 6 23.9	1.437	2.306	16.6	20.6
8 9	23 12.43	− 6 39.6	1.373	2.308	12.7	20.4
8 19	23 6.38	− 7 8.4	1.329	2.311	8.1	20.1
8 29	22 58.60	− 7 45.4	1.309	2.315	3.1	19.8
9 8	22 50.15	− 8 24.2	1.314	2.319	2.1	19.8
9 18	22 42.21	− 8 58.3	1.343	2.324	7.1	20.1
9 28	22 35.90	− 9 22.0	1.397	2.330	11.6	20.4
10 8	22 31.98	− 9 31.9	1.472	2.337	15.5	20.6

299228 2005 JH_{119} 9 4.3 69°.98 1°.1/ 3.1 18

7 30	23 15.08	− 6 56.8	1.913	2.769	13.6	20.8
8 9	23 11.17	− 7 44.5	1.841	2.771	10.3	20.6
8 19	23 5.34	− 8 43.5	1.792	2.773	6.5	20.4
8 29	22 58.15	− 9 48.7	1.769	2.774	2.5	20.1
9 8	22 50.42	−10 53.5	1.773	2.776	2.4	20.1
9 18	22 43.03	−11 51.7	1.804	2.778	6.4	20.4
9 28	22 36.86	−12 38.0	1.862	2.780	10.1	20.6
10 8	22 32.56	−13 9.1	1.942	2.782	13.4	20.8

315043 2007 CO_{35} 9 4.3 346°.41 2°.2/ 6.2 18

7 30	23 16.99	− 0 21.1	2.001	2.828	14.2	20.8
8 9	23 12.57	− 0 10.0	1.920	2.826	11.2	20.6
8 19	23 6.23	− 0 11.8	1.860	2.824	7.7	20.4
8 29	22 58.51	− 0 25.1	1.825	2.822	4.0	20.1
9 8	22 50.20	− 0 46.7	1.817	2.821	2.3	20.0
9 18	22 42.18	− 1 12.6	1.837	2.819	5.3	20.2
9 28	22 35.33	− 1 38.2	1.883	2.818	9.0	20.4
10 8	22 30.33	− 1 59.1	1.954	2.817	12.3	20.6

41972 2000 YO_{8} 9 4.3 237°.95 0°.1/ 4.2 18

7 30	23 14.93	− 4 57.9	2.683	3.516	10.8	20.8
8 9	23 10.61	− 5 28.6	2.587	3.503	8.3	20.6
8 19	23 4.80	− 6 8.5	2.515	3.489	5.3	20.4
8 29	22 57.92	− 6 54.8	2.471	3.475	2.1	20.1
9 8	22 50.54	− 7 43.4	2.455	3.461	1.3	20.0
9 18	22 43.31	− 8 30.3	2.469	3.446	4.7	20.3
9 28	22 36.89	− 9 11.4	2.511	3.430	7.8	20.4
10 8	22 31.84	− 9 43.6	2.579	3.415	10.6	20.6

253343 2003 FC_{48} 9 4.3 266°.84 0°.6/ 3.1 15

7 30	23 9.10	− 9 9.8	4.470	5.309	6.7	21.0
8 9	23 5.63	− 9 29.0	4.378	5.299	5.1	20.9
8 19	23 1.34	− 9 51.7	4.312	5.289	3.2	20.7
8 29	22 56.50	−10 16.0	4.274	5.279	1.2	20.5
9 8	22 51.41	−10 40.0	4.266	5.269	1.2	20.5
9 18	22 46.44	−11 1.6	4.288	5.259	3.1	20.7
9 28	22 41.91	−11 19.1	4.339	5.249	5.1	20.8
10 8	22 38.15	−11 30.9	4.416	5.238	6.8	20.9

402503 2006 DO_{45} 9 4.3 167°.10 0°.3/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.94	− 4 58.6	2.640	3.477	10.9	21.4
8 9	23 9.05	− 5 44.5	2.561	3.479	8.2	21.2
8 19	23 3.75	− 6 39.9	2.506	3.481	5.2	21.0
8 29	22 57.49	− 7 41.3	2.478	3.483	2.0	20.8
9 8	22 50.82	− 8 44.1	2.480	3.484	1.4	20.8
9 18	22 44.39	− 9 43.6	2.510	3.486	4.7	21.0
9 28	22 38.79	−10 35.7	2.569	3.487	7.7	21.2
10 8	22 34.54	−11 17.3	2.653	3.487	10.4	21.4

484247 2007 FL_{3} 9 4.3 35°.71 6°.9/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.39	+14 51.5	0.736	1.575	30.8	18.7
8 9	23 19.45	+ 5 56.5	0.660	1.589	22.9	18.3
8 19	23 12.12	− 5 26.1	0.617	1.604	12.9	17.8
8 29	23 1.20	−17 50.9	0.618	1.621	7.0	17.6
9 8	22 48.56	−29 1.1	0.665	1.639	14.3	18.1
9 18	22 36.71	−37 28.0	0.750	1.658	22.3	18.6
9 28	22 28.10	−43 5.8	0.860	1.678	27.9	19.1
10 8	22 24.18	−46 30.9	0.984	1.699	31.3	19.6

353425 2011 QX_{40} 9 4.3 5°.58 5°.5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.16	+ 4 15.5	1.585	2.402	17.8	20.6
8 9	23 16.25	+ 5 19.3	1.510	2.402	14.5	20.4
8 19	23 8.85	+ 6 6.8	1.454	2.403	10.9	20.2
8 29	22 59.61	+ 6 36.1	1.421	2.404	7.3	20.0
9 8	22 49.56	+ 6 47.7	1.414	2.406	5.5	19.9
9 18	22 39.89	+ 6 44.5	1.432	2.408	7.4	20.0
9 28	22 31.78	+ 6 31.6	1.475	2.411	10.9	20.2
10 8	22 26.09	+ 6 15.4	1.541	2.415	14.4	20.5

444734 2007 GG_{46} 9 4.3 266°.98 8°.9/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.83	−36 17.9	2.427	3.269	11.5	20.6
8 9	23 16.20	−37 24.6	2.370	3.259	10.1	20.5
8 19	23 8.50	−38 20.7	2.336	3.249	9.1	20.4
8 29	22 59.38	−38 59.1	2.326	3.238	9.1	20.4
9 8	22 49.73	−39 14.3	2.341	3.228	10.0	20.4
9 18	22 40.54	−39 4.0	2.380	3.217	11.5	20.5
9 28	22 32.73	−38 28.6	2.441	3.206	13.3	20.6
10 8	22 26.97	−37 31.0	2.520	3.196	14.9	20.8

389147 2009 BB_{30} 9 4.3 68°.42 1°.9/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.93	− 0 58.6	1.802	2.635	15.3	21.1
8 9	23 14.08	− 0 55.2	1.738	2.648	11.9	20.9
8 19	23 7.17	− 1 5.8	1.694	2.661	8.1	20.7
8 29	22 58.86	− 1 28.1	1.676	2.675	4.0	20.5
9 8	22 50.05	− 1 58.1	1.684	2.688	2.1	20.4
9 18	22 41.71	− 2 30.9	1.719	2.701	5.6	20.7
9 28	22 34.76	− 3 1.1	1.781	2.715	9.4	20.9
10 8	22 29.86	− 3 24.6	1.866	2.728	12.8	21.2

403441 2009 SM_{233} 9 4.3 285°.91 3°.1/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.64	−15 14.5	2.296	3.156	11.5	20.9
8 9	23 12.98	−15 46.1	2.204	3.135	8.8	20.7
8 19	23 6.48	−16 21.1	2.137	3.115	5.7	20.5
8 29	22 58.63	−16 54.8	2.096	3.095	3.3	20.3
9 8	22 50.16	−17 22.1	2.083	3.075	4.0	20.3
9 18	22 41.89	−17 38.8	2.098	3.054	7.0	20.5
9 28	22 34.65	−17 42.1	2.139	3.034	10.2	20.6
10 8	22 29.12	−17 31.0	2.203	3.013	13.0	20.8

264919 2002 TJ_{281} 9 4.3 342°.45 4°.9/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.09	+ 3 27.7	1.214	2.065	20.2	19.3
8 9	23 12.32	+ 4 0.2	1.141	2.056	16.4	19.0
8 19	23 6.69	+ 4 10.0	1.084	2.047	12.0	18.8
8 29	22 58.87	+ 3 56.3	1.048	2.040	7.4	18.5
9 8	22 50.01	+ 3 22.4	1.034	2.034	4.9	18.3
9 18	22 41.51	+ 2 34.7	1.043	2.029	7.8	18.5
9 28	22 34.80	+ 1 42.4	1.075	2.024	12.5	18.7
10 8	22 30.89	+ 0 54.7	1.127	2.021	17.0	19.0

296648 2009 SG_{122} 9 4.3 270°.62 2°.2/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.24	+ 7 2.4	4.508	5.276	7.8	20.5
8 9	23 4.25	+ 6 47.3	4.408	5.270	6.3	20.4
8 19	23 0.48	+ 6 23.1	4.332	5.264	4.7	20.3
8 29	22 56.18	+ 5 50.6	4.282	5.258	3.1	20.2
9 8	22 51.64	+ 5 11.4	4.261	5.252	2.2	20.1
9 18	22 47.21	+ 4 27.6	4.270	5.246	2.9	20.1
9 28	22 43.20	+ 3 41.6	4.308	5.240	4.4	20.3
10 8	22 39.91	+ 2 56.1	4.373	5.234	6.1	20.4

444255 2005 UB_{212} 9 4.3 357°.81 2°.1/ 2.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.72	− 9 51.6	1.641	2.515	14.6	21.3
8 9	23 10.47	−10 29.7	1.573	2.512	11.0	21.1
8 19	23 5.05	−11 17.3	1.526	2.510	7.0	20.8
8 29	22 58.09	−12 8.9	1.504	2.509	2.9	20.6
9 8	22 50.52	−12 57.5	1.507	2.508	3.3	20.6
9 18	22 43.34	−13 36.7	1.536	2.508	7.4	20.9
9 28	22 37.55	−14 1.6	1.589	2.509	11.4	21.1
10 8	22 33.86	−14 9.8	1.664	2.511	14.9	21.3

304604 2006 VF_{75} 9 4.3 165°.45 3°.1/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.86	−15 41.2	2.543	3.401	10.6	21.3
8 9	23 12.06	−16 30.0	2.474	3.404	8.0	21.1
8 19	23 5.70	−17 21.3	2.430	3.408	5.3	20.9
8 29	22 58.27	−18 10.5	2.414	3.411	3.3	20.8
9 8	22 50.44	−18 52.5	2.426	3.413	4.0	20.9
9 18	22 42.90	−19 23.6	2.467	3.416	6.5	21.0
9 28	22 36.37	−19 41.0	2.534	3.417	9.2	21.2
10 8	22 31.36	−19 44.2	2.625	3.419	11.6	21.4

218172 2002 SN_{43} 9 4.3 344°.82 0°.4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.58	− 5 14.7	1.000	1.894	20.1	19.2
8 9	23 10.10	− 5 10.9	0.931	1.879	15.6	18.9
8 19	23 5.49	− 5 25.0	0.880	1.866	10.3	18.5
8 29	22 58.45	− 5 53.5	0.849	1.854	4.2	18.2
9 8	22 50.27	− 6 28.9	0.838	1.844	2.3	18.0
9 18	22 42.52	− 7 2.7	0.849	1.836	8.6	18.4
9 28	22 36.80	− 7 26.3	0.880	1.830	14.4	18.6
10 8	22 34.19	− 7 33.8	0.929	1.826	19.5	18.9

478871 2012 VW_{95} 9 4.3 313°.55 2°.5/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.03	+ 1 53.3	1.645	2.481	16.4	20.9
8 9	23 10.82	+ 1 38.1	1.559	2.470	13.0	20.7
8 19	23 5.39	+ 1 3.2	1.494	2.460	9.1	20.4
8 29	22 58.29	+ 0 10.4	1.452	2.449	4.8	20.2
9 8	22 50.40	− 0 55.2	1.435	2.439	2.6	20.0
9 18	22 42.75	− 2 6.4	1.444	2.429	6.1	20.2
9 28	22 36.41	− 3 15.3	1.479	2.420	10.5	20.4
10 8	22 32.21	− 4 14.6	1.537	2.411	14.4	20.7

430346 2013 YO_{81} 9 4.3 96°.53 1°.0/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.01	− 2 22.7	1.745	2.586	15.4	21.5
8 9	23 13.53	− 2 39.8	1.675	2.593	11.9	21.3
8 19	23 6.92	− 3 11.5	1.627	2.600	7.8	21.1
8 29	22 58.82	− 3 54.3	1.604	2.606	3.4	20.8
9 8	22 50.13	− 4 42.8	1.607	2.613	1.6	20.7
9 18	22 41.87	− 5 31.0	1.637	2.619	5.9	21.0
9 28	22 35.00	− 6 13.0	1.694	2.625	10.0	21.3
10 8	22 30.22	− 6 44.4	1.773	2.632	13.6	21.5

297372 2000 GJ_{88} 9 4.3 197°.79 1°.4/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.15	+ 1 33.7	2.645	3.452	11.7	21.7
8 9	23 10.77	+ 0 55.5	2.553	3.449	9.2	21.5
8 19	23 4.90	+ 0 3.8	2.484	3.444	6.3	21.3
8 29	22 57.99	− 0 59.2	2.442	3.439	3.2	21.1
9 8	22 50.60	− 2 9.3	2.430	3.434	1.6	21.0
9 18	22 43.40	− 3 21.6	2.447	3.428	4.3	21.2
9 28	22 37.04	− 4 30.9	2.493	3.421	7.4	21.4
10 8	22 32.06	− 5 32.8	2.566	3.414	10.2	21.6

33565 Samferguson 9 4.3 45°.23 1°.7/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.18	− 8 41.9	1.446	2.316	16.4	18.0
8 9	23 13.98	− 9 15.2	1.389	2.326	12.4	17.8
8 19	23 7.33	− 9 59.5	1.354	2.336	7.8	17.6
8 29	22 58.98	−10 48.6	1.342	2.347	3.1	17.3
9 8	22 50.06	−11 35.1	1.355	2.358	3.1	17.3
9 18	22 41.73	−12 12.2	1.394	2.369	7.6	17.6
9 28	22 35.12	−12 35.0	1.457	2.381	12.0	17.9
10 8	22 30.93	−12 41.3	1.542	2.393	15.7	18.2

356243 2009 SE_{355} 9 4.3 282°.56 2°.6/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.78	−20 1.0	4.357	5.212	6.6	21.1
8 9	23 6.95	−20 28.1	4.273	5.199	5.0	21.0
8 19	23 2.22	−20 54.8	4.215	5.186	3.5	20.8
8 29	22 56.88	−21 18.5	4.185	5.173	2.6	20.8
9 8	22 51.29	−21 36.9	4.185	5.160	3.1	20.8
9 18	22 45.82	−21 48.1	4.214	5.147	4.6	20.9
9 28	22 40.88	−21 50.7	4.270	5.134	6.2	21.0
10 8	22 36.77	−21 44.2	4.351	5.121	7.7	21.1

130011 1999 VP_{53} 9 4.3 308°.93 2°.6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.00	−11 5.9	1.576	2.449	15.2	20.0
8 9	23 13.28	−11 39.2	1.491	2.430	11.6	19.7
8 19	23 7.08	−12 22.1	1.428	2.411	7.4	19.4
8 29	22 59.00	−13 8.6	1.389	2.393	3.3	19.1
9 8	22 50.00	−13 51.4	1.375	2.375	3.9	19.1
9 18	22 41.25	−14 23.8	1.386	2.357	8.2	19.3
9 28	22 33.97	−14 40.5	1.422	2.340	12.7	19.6
10 8	22 29.05	−14 39.1	1.479	2.323	16.6	19.8

106349 2000 VE 9 4.3 288°.64 3°.6/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.66	+ 2 21.8	1.413	2.252	18.4	19.4
8 9	23 14.10	+ 2 30.7	1.323	2.234	14.9	19.1
8 19	23 7.81	+ 2 18.5	1.252	2.216	10.6	18.8
8 29	22 59.36	+ 1 45.5	1.203	2.198	6.0	18.5
9 8	22 49.75	+ 0 55.8	1.177	2.180	3.6	18.3
9 18	22 40.30	− 0 4.1	1.177	2.162	7.2	18.5
9 28	22 32.40	− 1 5.2	1.201	2.144	12.1	18.7
10 8	22 27.10	− 1 59.0	1.246	2.126	16.7	18.9

493739 2015 TV_{201} 9 4.3 278.°60 7.°0/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 25.68	−29 43.1	2.412	3.258	11.5	21.4
8 9	23 19.04	−30 18.3	2.331	3.239	9.4	21.2
8 19	23 10.33	−30 46.3	2.275	3.220	7.7	21.1
8 29	23 0.14	−31 0.7	2.245	3.201	7.0	21.0
9 8	22 49.38	−30 56.5	2.242	3.181	7.9	21.0
9 18	22 39.00	−30 30.9	2.267	3.161	9.8	21.1
9 28	22 29.97	−29 44.2	2.316	3.142	12.1	21.2
10 8	22 22.98	−28 38.7	2.387	3.122	14.2	21.4

330316 2006 UZ_{41} 9 4.3 355.°48 2.°5/ 2.5 17

7 30	23 19.68	−10 26.6	1.463	2.334	16.2	20.9
8 9	23 15.27	−11 4.2	1.397	2.334	12.3	20.7
8 19	23 8.27	−11 51.7	1.351	2.334	7.8	20.4
8 29	22 59.41	−12 42.6	1.329	2.334	3.4	20.2
9 8	22 49.81	−13 29.1	1.333	2.334	3.8	20.2
9 18	22 40.71	−14 4.1	1.362	2.334	8.3	20.5
9 28	22 33.32	−14 22.8	1.416	2.334	12.7	20.7
10 8	22 28.46	−14 23.3	1.490	2.334	16.5	21.0

314445 2005 VN_{59} 9 4.3 243.°17 0.°0/ 4.2 18

7 30	23 14.60	− 4 38.5	2.470	3.306	11.6	22.0
8 9	23 10.50	− 5 12.0	2.378	3.295	8.8	21.8
8 19	23 4.81	− 5 55.9	2.310	3.284	5.7	21.6
8 29	22 57.99	− 6 46.9	2.269	3.273	2.2	21.3
9 8	22 50.64	− 7 40.6	2.256	3.261	1.4	21.2
9 18	22 43.47	− 8 32.4	2.272	3.249	4.9	21.5
9 28	22 37.18	− 9 17.7	2.316	3.237	8.3	21.6
10 8	22 32.37	− 9 53.1	2.385	3.225	11.2	21.8

434766 2006 JV_{13} 9 4.3 55.°45 4.°2/ 8.6 16

7 30	23 14.35	+ 7 50.5	1.627	2.437	17.7	21.0
8 9	23 10.84	+ 7 27.5	1.566	2.454	14.3	20.8
8 19	23 5.22	+ 6 39.8	1.523	2.471	10.5	20.6
8 29	22 58.15	+ 5 29.6	1.504	2.489	6.6	20.5
9 8	22 50.58	+ 4 2.9	1.509	2.506	4.2	20.4
9 18	22 43.49	+ 2 27.7	1.541	2.524	6.1	20.5
9 28	22 37.83	+ 0 53.4	1.600	2.542	9.7	20.8
10 8	22 34.25	− 0 31.9	1.682	2.561	13.1	21.0

230337 2002 CE_{180} 9 4.3 187.°74 1.°8/ 2.6 18

7 30	23 17.74	− 8 57.7	1.895	2.752	13.7	21.2
8 9	23 13.26	− 9 47.0	1.822	2.752	10.3	21.0
8 19	23 6.74	−10 46.1	1.771	2.751	6.5	20.7
8 29	22 58.77	−11 49.5	1.746	2.750	2.7	20.5
9 8	22 50.20	−12 50.5	1.748	2.749	3.0	20.5
9 18	22 41.97	−13 42.9	1.778	2.748	6.9	20.8
9 28	22 35.02	−14 21.7	1.834	2.746	10.6	21.0
10 8	22 30.05	−14 44.2	1.913	2.744	13.9	21.2

298661 2004 CW_{32} 9 4.3 343.°87 1.°3/ 5.4 18

7 30	23 17.35	− 2 35.2	1.727	2.571	15.4	20.8
8 9	23 13.16	− 2 33.5	1.649	2.568	12.0	20.6
8 19	23 6.78	− 2 45.3	1.593	2.565	8.0	20.3
8 29	22 58.82	− 3 8.2	1.561	2.562	3.7	20.1
9 8	22 50.18	− 3 37.9	1.554	2.560	1.8	19.9
9 18	22 41.88	− 4 9.2	1.575	2.558	6.0	20.2
9 28	22 34.94	− 4 36.8	1.621	2.556	10.1	20.4
10 8	22 30.11	− 4 56.3	1.690	2.555	13.8	20.7

300830 2007 XK_{22} 9 4.3 299.°87 1.°4/ 3.1 18

7 30	23 16.52	− 8 29.5	1.763	2.624	14.3	20.9
8 9	23 12.73	− 9 0.2	1.667	2.599	11.0	20.7
8 19	23 6.68	− 9 41.9	1.593	2.574	7.0	20.4
8 29	22 58.86	−10 30.2	1.544	2.549	2.8	20.1
9 8	22 50.13	−11 18.8	1.521	2.524	2.8	20.0
9 18	22 41.53	−12 1.1	1.525	2.499	7.2	20.2
9 28	22 34.17	−12 31.5	1.553	2.474	11.6	20.4
10 8	22 28.92	−12 46.3	1.604	2.449	15.4	20.6

517945 2015 TF_{303} 9 4.3 339.°02 9.°7/27.7 18

7 30	23 22.62	−31 34.0	1.678	2.546	14.6	19.8
8 9	23 17.51	−32 20.8	1.615	2.532	12.3	19.6
8 19	23 9.70	−32 57.1	1.572	2.518	10.4	19.4
8 29	22 59.97	−33 13.5	1.552	2.505	9.7	19.4
9 8	22 49.55	−33 3.1	1.557	2.493	10.8	19.4
9 18	22 39.77	−32 23.0	1.584	2.482	13.0	19.5
9 28	22 31.85	−31 14.4	1.633	2.472	15.7	19.7
10 8	22 26.60	−29 41.9	1.702	2.463	18.2	19.9

342270 2008 SC_{310} 9 4.3 333.°48 2.°8/ 6.1 18

7 30	23 13.85	− 1 8.2	1.252	2.118	18.7	19.8
8 9	23 11.43	− 0 43.9	1.168	2.097	14.9	19.5
8 19	23 6.22	− 0 37.1	1.102	2.076	10.4	19.2
8 29	22 58.78	− 0 47.1	1.057	2.057	5.4	18.8
9 8	22 50.18	− 1 10.3	1.035	2.039	3.0	18.6
9 18	22 41.78	− 1 40.6	1.035	2.022	7.5	18.8
9 28	22 35.04	− 2 10.6	1.059	2.007	12.7	19.1
10 8	22 31.05	− 2 33.0	1.102	1.993	17.5	19.3

238292 2003 WK_{154} 9 4.3 221.°31 6.°9/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.10	−23 36.7	1.939	2.812	12.7	20.2
8 9	23 13.65	−25 2.5	1.879	2.809	10.1	20.1
8 19	23 7.05	−26 26.6	1.842	2.807	7.8	19.9
8 29	22 58.92	−27 40.3	1.831	2.804	6.9	19.9
9 8	22 50.19	−28 36.0	1.846	2.800	8.2	19.9
9 18	22 41.86	−29 8.6	1.887	2.797	10.6	20.1
9 28	22 34.92	−29 16.1	1.950	2.794	13.3	20.3
10 8	22 30.07	−28 59.8	2.034	2.790	15.7	20.4

65131 2002 CY_{88} 9 4.3 66.°64 0.°6/ 3.7 18

7 30	23 15.14	− 6 7.0	2.059	2.908	13.0	19.7
8 9	23 11.02	− 6 44.4	1.996	2.921	9.9	19.6
8 19	23 5.16	− 7 31.9	1.956	2.934	6.2	19.4
8 29	22 58.13	− 8 25.2	1.942	2.947	2.4	19.2
9 8	22 50.67	− 9 18.8	1.955	2.960	1.8	19.1
9 18	22 43.61	−10 7.5	1.997	2.973	5.6	19.4
9 28	22 37.70	−10 46.6	2.065	2.986	9.1	19.7
10 8	22 33.52	−11 13.4	2.157	2.999	12.1	19.9

119944 2002 GN_{171} 9 4.3 53.°28 1.°8/ 1.9 18

7 30	23 13.01	−12 17.5	2.839	3.693	9.7	19.4
8 9	23 8.99	−12 50.2	2.772	3.701	7.3	19.3
8 19	23 3.68	−13 26.8	2.730	3.710	4.6	19.1
8 29	22 57.52	−14 3.5	2.716	3.719	2.2	19.0
9 8	22 51.04	−14 36.8	2.731	3.727	2.6	19.0
9 18	22 44.83	−15 3.3	2.774	3.736	5.1	19.2
9 28	22 39.45	−15 20.6	2.844	3.745	7.7	19.4
10 8	22 35.34	−15 27.2	2.939	3.754	10.0	19.6

293465 2007 EB_{209} 9 4.3 247.°21 3.°1/ 8.1 18

7 30	23 13.16	+ 5 50.2	2.436	3.231	12.9	20.5
8 9	23 9.44	+ 5 35.1	2.344	3.225	10.5	20.4
8 19	23 4.16	+ 5 3.9	2.273	3.219	7.6	20.2
8 29	22 57.77	+ 4 17.8	2.228	3.213	4.7	20.0
9 8	22 50.87	+ 3 19.9	2.210	3.207	3.1	19.9
9 18	22 44.16	+ 2 14.8	2.220	3.201	4.7	20.0
9 28	22 38.33	+ 1 7.9	2.259	3.195	7.6	20.1
10 8	22 33.96	+ 0 4.7	2.323	3.188	10.5	20.3

512437 2016 PG_{91} 9 4.3 109.°56 8.°5/26.5 18

7 30	23 19.42	−27 14.6	1.803	2.676	13.5	20.9
8 9	23 14.77	−28 53.3	1.757	2.682	11.0	20.8
8 19	23 7.79	−30 26.1	1.734	2.688	9.0	20.6
8 29	22 59.21	−31 43.2	1.736	2.693	8.5	20.6
9 8	22 50.06	−32 36.7	1.763	2.699	9.8	20.7
9 18	22 41.47	−33 2.0	1.814	2.704	12.1	20.9
9 28	22 34.47	−32 58.6	1.887	2.709	14.5	21.1
10 8	22 29.78	−32 29.5	1.978	2.714	16.8	21.2

510131 2010 UC_{45} 9 4.3 335.°84 3.°9/ 6.6 18

7 30	23 15.26	+ 0 37.8	1.100	1.967	20.7	21.0
8 9	23 12.78	+ 1 10.0	1.026	1.953	16.6	20.7
8 19	23 7.21	+ 1 21.1	0.969	1.941	11.8	20.4
8 29	22 59.20	+ 1 11.0	0.931	1.929	6.6	20.1
9 8	22 49.99	+ 0 43.3	0.916	1.919	4.0	19.9
9 18	22 41.12	+ 0 4.8	0.922	1.910	8.1	20.1
9 28	22 34.18	− 0 35.4	0.951	1.902	13.5	20.4
10 8	22 30.31	− 1 8.6	0.998	1.895	18.4	20.6

392789 2012 TS_{163} 9 4.3 230.°46 1.°9/ 6.4 18

7 30	23 15.02	+ 2 30.6	2.057	2.875	14.2	22.2
8 9	23 11.15	+ 1 51.8	1.966	2.867	11.2	22.0
8 19	23 5.41	+ 0 54.7	1.897	2.859	7.8	21.7
8 29	22 58.31	− 0 18.0	1.853	2.850	4.0	21.5
9 8	22 50.56	− 1 41.1	1.836	2.841	2.0	21.3
9 18	22 43.02	− 3 8.1	1.849	2.831	5.2	21.5
9 28	22 36.54	− 4 31.4	1.888	2.822	9.1	21.7
10 8	22 31.81	− 5 44.9	1.953	2.812	12.5	21.9

257683 1999 VW_{150} 9 4.3 330.°66 6.°0/10.4 18

7 30	23 13.43	+11 3.0	1.981	2.761	16.0	20.1
8 9	23 10.07	+11 26.9	1.891	2.752	13.5	19.9
8 19	23 4.79	+11 30.3	1.820	2.743	10.6	19.7
8 29	22 58.08	+11 12.0	1.771	2.735	7.8	19.5
9 8	22 50.69	+10 33.4	1.747	2.727	6.1	19.4
9 18	22 43.49	+ 9 38.5	1.748	2.719	6.8	19.4
9 28	22 37.37	+ 8 33.5	1.776	2.712	9.3	19.5
10 8	22 33.07	+ 7 25.9	1.827	2.706	12.3	19.7

507390 2012 GT_{26} 9 4.3 49.°18 0.°8/ 4.9 17

7 30	23 17.89	− 2 31.7	1.292	2.154	18.5	21.0
8 9	23 14.01	− 2 53.6	1.238	2.166	14.3	20.7
8 19	23 7.49	− 3 34.1	1.202	2.179	9.3	20.5
8 29	22 59.14	− 4 28.3	1.189	2.193	4.0	20.2
9 8	22 50.16	− 5 28.5	1.200	2.206	1.9	20.1
9 18	22 41.83	− 6 26.4	1.237	2.220	7.1	20.5
9 28	22 35.34	− 7 14.2	1.297	2.235	11.9	20.8
10 8	22 31.46	− 7 46.9	1.378	2.249	16.0	21.1

107079 2001 AR_{23} 9 4.3 175.°63 3.°7/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.47	+ 4 56.6	2.183	2.976	14.3	20.1
8 9	23 14.35	+ 5 10.7	2.098	2.978	11.5	19.9
8 19	23 7.38	+ 5 9.5	2.035	2.980	8.4	19.7
8 29	22 59.06	+ 4 53.3	1.997	2.981	5.3	19.5
9 8	22 50.17	+ 4 24.5	1.986	2.981	3.7	19.4
9 18	22 41.54	+ 3 47.0	2.004	2.982	5.4	19.5
9 28	22 34.02	+ 3 5.8	2.049	2.981	8.5	19.7
10 8	22 28.27	+ 2 26.1	2.119	2.981	11.6	19.9

71352 2000 AH_{109} 9 4.3 164.°85 1.°7/ 6.4 18

7 30	23 14.52	+ 0 57.3	2.574	3.386	11.8	19.5
8 9	23 10.31	+ 0 43.4	2.490	3.388	9.3	19.3
8 19	23 4.64	+ 0 17.4	2.430	3.390	6.4	19.2
8 29	22 57.95	− 0 18.8	2.396	3.392	3.4	19.0
9 8	22 50.83	− 1 1.9	2.390	3.393	1.8	18.9
9 18	22 43.93	− 1 47.9	2.413	3.395	4.3	19.0
9 28	22 37.92	− 2 32.6	2.464	3.396	7.3	19.2
10 8	22 33.30	− 3 11.9	2.541	3.397	10.1	19.4

110538 2001 TW_{94} 9 4.3 76.°79 1.°6/ 5.6 17

7 30	23 20.95	− 1 34.1	1.549	2.391	17.0	19.0
8 9	23 15.89	− 1 38.9	1.493	2.409	13.2	18.8
8 19	23 8.50	− 1 59.5	1.456	2.427	8.8	18.6
8 29	22 59.51	− 2 32.9	1.443	2.444	4.1	18.4
9 8	22 50.00	− 3 13.4	1.457	2.462	2.0	18.3
9 18	22 41.12	− 3 54.9	1.497	2.480	6.2	18.6
9 28	22 33.89	− 4 31.3	1.563	2.498	10.5	18.9
10 8	22 29.02	− 4 58.1	1.651	2.515	14.1	19.2

175561 2006 SX_{366} 9 4.3 350.°20 8.°0/26.8 18

7 30	23 12.06	−21 41.1	1.518	2.413	14.4	19.0
8 9	23 9.60	−23 41.5	1.463	2.407	11.3	18.8
8 19	23 4.74	−25 43.4	1.430	2.402	8.7	18.7
8 29	22 58.12	−27 34.8	1.421	2.397	8.0	18.6
9 8	22 50.76	−29 4.4	1.437	2.394	9.7	18.7
9 18	22 43.83	−30 4.7	1.476	2.391	12.7	18.9
9 28	22 38.44	−30 32.3	1.536	2.389	15.8	19.1
10 8	22 35.40	−30 28.6	1.613	2.388	18.5	19.3

96897 1999 TJ_{56} 9 4.3 83.°49 1.°8/ 2.8 18

7 30	23 19.96	− 9 41.1	1.760	2.618	14.5	19.4
8 9	23 14.90	−10 15.8	1.705	2.636	10.9	19.2
8 19	23 7.74	−10 58.5	1.672	2.653	6.8	19.0
8 29	22 59.19	−11 43.9	1.665	2.670	2.8	18.8
9 8	22 50.20	−12 25.6	1.685	2.686	2.9	18.9
9 18	22 41.77	−12 58.4	1.732	2.703	6.8	19.2
9 28	22 34.83	−13 18.4	1.805	2.719	10.6	19.4
10 8	22 30.01	−13 24.0	1.900	2.736	13.8	19.7

257057 2008 FU_{88} 9 4.3 86.°79 1.°6/ 2.6 18

7 30	23 15.83	− 9 27.8	2.217	3.070	12.1	20.9
8 9	23 11.46	−10 8.4	2.154	3.082	9.1	20.7
8 19	23 5.42	−10 56.1	2.114	3.094	5.7	20.5
8 29	22 58.27	−11 46.3	2.101	3.106	2.3	20.3
9 8	22 50.72	−12 33.8	2.117	3.118	2.5	20.4
9 18	22 43.54	−13 14.1	2.160	3.129	5.8	20.6
9 28	22 37.46	−13 43.4	2.230	3.141	9.1	20.8
10 8	22 33.02	−13 59.8	2.324	3.152	11.9	21.0

393097 2013 AF_{132} 9 4.3 268.°87 2.°0/ 8.3 16

7 30	23 8.19	+ 5 5.1	4.567	5.344	7.6	21.0
8 9	23 4.99	+ 5 0.1	4.469	5.339	6.1	20.9
8 19	23 1.00	+ 4 47.0	4.395	5.334	4.5	20.7
8 29	22 56.49	+ 4 26.6	4.348	5.329	2.9	20.6
9 8	22 51.74	+ 4 0.5	4.330	5.324	2.0	20.5
9 18	22 47.09	+ 3 30.3	4.341	5.318	2.8	20.6
9 28	22 42.86	+ 2 58.3	4.382	5.313	4.4	20.7
10 8	22 39.35	+ 2 26.8	4.450	5.308	6.0	20.8

509987 2009 UM_{95} 9 4.3 294.°23 1.°8/ 2.9 18

7 30	23 17.33	− 8 27.7	1.505	2.374	16.0	21.7
8 9	23 13.72	− 9 5.8	1.418	2.354	12.2	21.4
8 19	23 7.52	− 9 57.3	1.351	2.333	7.8	21.1
8 29	22 59.30	−10 56.6	1.307	2.313	3.2	20.8
9 8	22 50.05	−11 55.8	1.289	2.292	3.3	20.8
9 18	22 41.00	−12 46.8	1.297	2.272	8.2	21.0
9 28	22 33.43	−13 22.9	1.329	2.252	13.0	21.2
10 8	22 28.33	−13 40.0	1.381	2.232	17.2	21.5

110037 2001 SA_{80} 9 4.3 294.°12 1.°2/ 5.4 18

7 30	23 14.44	− 0 18.4	1.539	2.387	16.7	19.6
8 9	23 11.48	− 0 55.6	1.444	2.365	13.2	19.3
8 19	23 6.07	− 1 54.6	1.369	2.342	8.9	19.0
8 29	22 58.74	− 3 12.5	1.317	2.319	4.0	18.7
9 8	22 50.38	− 4 42.3	1.291	2.296	1.8	18.5
9 18	22 42.13	− 6 15.0	1.290	2.274	6.9	18.7
9 28	22 35.22	− 7 40.5	1.315	2.251	11.9	19.0
10 8	22 30.62	− 8 50.7	1.361	2.229	16.3	19.2

481681 2007 YG_{53} 9 4.3 278.°33 3.°9/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.18	+ 3 47.6	2.060	2.864	14.7	21.1
8 9	23 14.45	+ 4 15.3	1.959	2.846	11.9	20.9
8 19	23 7.65	+ 4 28.7	1.879	2.828	8.8	20.6
8 29	22 59.28	+ 4 27.6	1.823	2.809	5.5	20.4
9 8	22 50.09	+ 4 13.5	1.795	2.791	3.9	20.3
9 18	22 41.00	+ 3 49.6	1.794	2.772	5.9	20.3
9 28	22 32.98	+ 3 20.6	1.820	2.753	9.3	20.5
10 8	22 26.83	+ 2 51.7	1.870	2.735	12.7	20.7

447420 2006 BR_{278} 9 4.3 269.°33 1.°7/ 6.1 18

7 30	23 16.07	− 0 30.0	2.430	3.248	12.3	21.2
8 9	23 11.70	− 0 31.5	2.332	3.234	9.7	21.0
8 19	23 5.68	− 0 44.3	2.256	3.219	6.6	20.8
8 29	22 58.44	− 1 7.0	2.207	3.204	3.4	20.6
9 8	22 50.62	− 1 36.6	2.186	3.190	1.8	20.4
9 18	22 42.94	− 2 9.5	2.193	3.175	4.7	20.6
9 28	22 36.16	− 2 41.5	2.228	3.159	8.0	20.8
10 8	22 30.89	− 3 8.7	2.288	3.144	11.0	21.0

509933 2009 PJ_{8} 9 4.3 14.°10 2.°7/ 6.0 18

7 30	23 19.33	− 1 28.5	1.208	2.069	19.6	19.7
8 9	23 15.44	− 1 0.0	1.146	2.072	15.4	19.4
8 19	23 8.63	− 0 49.3	1.102	2.075	10.6	19.2
8 29	22 59.71	− 0 54.7	1.079	2.079	5.4	18.9
9 8	22 49.93	− 1 12.1	1.080	2.084	3.0	18.8
9 18	22 40.75	− 1 35.3	1.104	2.090	7.4	19.1
9 28	22 33.53	− 1 57.4	1.152	2.096	12.3	19.4
10 8	22 29.17	− 2 12.5	1.220	2.104	16.7	19.6

52445 1994 TG_{5} 9 4.3 284.°19 0.°0/ 4.2 18

7 30	23 16.97	− 3 55.8	1.598	2.452	15.9	20.1
8 9	23 13.33	− 4 27.0	1.504	2.430	12.4	19.9
8 19	23 7.23	− 5 15.1	1.431	2.408	8.1	19.6
8 29	22 59.20	− 6 16.2	1.382	2.386	3.3	19.2
9 8	22 50.16	− 7 23.6	1.358	2.364	1.9	19.1
9 18	22 41.25	− 8 29.4	1.361	2.342	7.1	19.3
9 28	22 33.69	− 9 25.8	1.389	2.320	11.9	19.6
10 8	22 28.44	−10 7.0	1.439	2.297	16.2	19.8

68748 2002 EE_{57} 9 4.3 54.°71 1.°4/ 5.8 17

7 30	23 13.65	+ 2 14.6	1.530	2.371	17.2	19.7
8 9	23 10.46	+ 1 8.8	1.470	2.385	13.4	19.5
8 19	23 5.10	− 0 20.1	1.430	2.400	8.9	19.3
8 29	22 58.22	− 2 6.4	1.415	2.416	4.2	19.0
9 8	22 50.81	− 4 1.2	1.426	2.431	1.8	18.9
9 18	22 43.88	− 5 53.8	1.463	2.447	6.2	19.2
9 28	22 38.43	− 7 34.6	1.527	2.463	10.5	19.5
10 8	22 35.12	− 8 56.8	1.614	2.480	14.3	19.8

447123 2004 VF_{3} 9 4.3 337.°70 7.°6/13.4 17

7 30	23 11.42	+17 47.0	2.053	2.791	16.7	20.6
8 9	23 8.54	+18 0.1	1.962	2.784	14.6	20.4
8 19	23 3.82	+17 48.0	1.888	2.778	12.1	20.2
8 29	22 57.75	+17 9.0	1.836	2.772	9.6	20.1
9 8	22 51.04	+16 4.3	1.807	2.766	7.9	20.0
9 18	22 44.53	+14 38.1	1.803	2.761	7.8	19.9
9 28	22 39.09	+12 57.7	1.825	2.756	9.5	20.0
10 8	22 35.39	+11 12.0	1.872	2.752	12.0	20.2

213724 2002 VU_{63} 9 4.3 265.°11 2.°6/ 6.8 18

7 30	23 16.64	+ 1 55.0	2.024	2.842	14.4	20.1
8 9	23 12.42	+ 1 55.6	1.936	2.835	11.5	19.9
8 19	23 6.27	+ 1 41.1	1.870	2.829	8.1	19.7
8 29	22 58.70	+ 1 12.7	1.828	2.822	4.5	19.5
9 8	22 50.50	+ 0 33.8	1.813	2.815	2.7	19.3
9 18	22 42.51	− 0 11.0	1.825	2.808	5.4	19.5
9 28	22 35.65	− 0 56.1	1.865	2.800	9.0	19.7
10 8	22 30.59	− 1 36.1	1.928	2.793	12.4	19.9

512719 2016 UU_{17} 9 4.3 331.°10 0.°4/ 4.6 18

7 30	23 16.68	− 4 39.5	1.575	2.433	16.0	21.0
8 9	23 12.94	− 4 47.7	1.497	2.425	12.3	20.7
8 19	23 6.83	− 5 9.5	1.439	2.417	8.1	20.5
8 29	22 58.98	− 5 41.4	1.405	2.409	3.3	20.2
9 8	22 50.34	− 6 18.0	1.396	2.402	1.7	20.0
9 18	22 42.02	− 6 53.3	1.413	2.395	6.6	20.3
9 28	22 35.16	− 7 21.3	1.455	2.389	11.1	20.6
10 8	22 30.58	− 7 37.9	1.519	2.384	15.1	20.8

260380 2004 VU_{33} 9 4.3 184.°75 6.°2/26.6 18

7 30	23 17.99	−29 24.2	2.877	3.729	9.6	21.5
8 9	23 12.93	−30 29.1	2.819	3.729	7.9	21.4
8 19	23 6.31	−31 28.6	2.787	3.729	6.6	21.3
8 29	22 58.64	−32 17.0	2.782	3.728	6.3	21.3
9 8	22 50.57	−32 49.9	2.803	3.727	7.1	21.3
9 18	22 42.81	−33 4.5	2.851	3.725	8.7	21.4
9 28	22 36.05	−33 0.1	2.923	3.724	10.5	21.6
10 8	22 30.82	−32 37.9	3.016	3.721	12.1	21.7

295611 2008 SM_{195} 9 4.3 242°.15 5°.8/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 22.42	−21 35.6	1.931	2.796	13.1	20.9
8 9	23 16.97	−22 26.5	1.857	2.787	10.2	20.7
8 19	23 9.25	−23 16.6	1.807	2.777	7.4	20.5
8 29	22 59.88	−23 58.4	1.783	2.767	5.8	20.4
9 8	22 49.84	−24 25.2	1.785	2.757	6.9	20.5
9 18	22 40.20	−24 32.5	1.814	2.746	9.6	20.6
9 28	22 32.00	−24 18.5	1.867	2.735	12.7	20.8
10 8	22 26.00	−23 44.5	1.941	2.724	15.5	21.0

386719 2009 WY_{260} 9 4.4 236°.95 1°.9/ 2.5 18

7 30	23 18.49	− 9 42.2	1.920	2.777	13.6	21.3
8 9	23 13.95	−10 25.1	1.838	2.768	10.3	21.1
8 19	23 7.31	−11 17.2	1.778	2.758	6.5	20.8
8 29	22 59.14	−12 13.4	1.744	2.748	2.8	20.6
9 8	22 50.27	−13 7.3	1.737	2.738	3.1	20.6
9 18	22 41.67	−13 52.7	1.758	2.727	7.0	20.8
9 28	22 34.31	−14 24.9	1.806	2.716	10.8	21.0
10 8	22 28.93	−14 41.2	1.875	2.705	14.2	21.2

317273 2002 ED_{110} 9 4.4 214°.75 1°.7/ 2.9 17

7 30	23 21.00	− 8 20.8	1.656	2.513	15.3	21.7
8 9	23 16.16	− 9 3.0	1.578	2.507	11.7	21.5
8 19	23 8.88	− 9 56.9	1.521	2.501	7.4	21.2
8 29	22 59.79	−10 56.8	1.490	2.494	3.0	21.0
9 8	22 49.89	−11 55.5	1.485	2.487	3.0	20.9
9 18	22 40.34	−12 45.6	1.507	2.479	7.5	21.2
9 28	22 32.29	−13 21.4	1.555	2.471	11.9	21.4
10 8	22 26.57	−13 40.0	1.624	2.462	15.6	21.7

323722 2005 JH_{55} 9 4.4 21°.78 6°.4/10.1 16

7 30	23 8.93	+10 21.3	1.009	1.855	23.7	19.9
8 9	23 7.79	+10 13.0	0.959	1.866	19.5	19.6
8 19	23 3.81	+ 9 26.3	0.924	1.878	14.8	19.4
8 29	22 57.81	+ 8 2.3	0.908	1.892	9.8	19.2
9 8	22 51.07	+ 6 9.4	0.912	1.908	6.6	19.1
9 18	22 44.98	+ 4 1.1	0.938	1.925	8.0	19.2
9 28	22 40.85	+ 1 53.6	0.987	1.944	12.3	19.6
10 8	22 39.47	+ 0 0.8	1.055	1.963	16.7	19.9

102853 1999 VU_{217} 9 4.4 56°.56 7°.7/30.3 18

7 30	23 24.61	−22 43.5	1.338	2.220	16.8	19.4
8 9	23 19.23	−23 40.8	1.290	2.227	13.1	19.2
8 19	23 10.89	−24 34.6	1.262	2.234	9.6	19.0
8 29	23 0.53	−25 14.5	1.258	2.242	7.7	18.9
9 8	22 49.55	−25 31.9	1.278	2.250	8.9	19.0
9 18	22 39.45	−25 22.6	1.321	2.258	12.1	19.2
9 28	22 31.53	−24 46.6	1.386	2.266	15.5	19.4
10 8	22 26.56	−23 47.8	1.471	2.275	18.7	19.7

227179 2005 QL_{48} 9 4.4 9°.03 3°.3/ 2.2 15

7 30	23 13.65	−10 59.3	1.017	1.919	19.2	19.5
8 9	23 11.47	−11 36.5	0.967	1.921	14.5	19.3
8 19	23 6.22	−12 25.6	0.935	1.924	9.2	19.0
8 29	22 58.78	−13 18.1	0.923	1.929	4.2	18.7
9 8	22 50.53	−14 3.4	0.934	1.935	4.8	18.8
9 18	22 43.03	−14 33.1	0.966	1.943	9.9	19.1
9 28	22 37.64	−14 41.6	1.020	1.953	14.9	19.4
10 8	22 35.24	−14 27.9	1.091	1.963	19.1	19.7

78880 2003 RR_{16} 9 4.4 345°.83 2°.4/ 6.3 18

7 30	23 8.81	+ 2 31.5	1.048	1.922	21.0	18.7
8 9	23 7.84	+ 1 56.0	0.979	1.912	16.7	18.4
8 19	23 4.02	+ 0 48.6	0.927	1.904	11.5	18.0
8 29	22 58.00	− 0 47.4	0.895	1.896	5.8	17.7
9 8	22 50.94	− 2 42.0	0.885	1.891	2.6	17.5
9 18	22 44.29	− 4 41.4	0.897	1.886	7.8	17.8
9 28	22 39.49	− 6 30.4	0.931	1.883	13.6	18.1
10 8	22 37.55	− 7 57.6	0.984	1.881	18.6	18.4

135923 2002 TM_{171} 9 4.4 207°.68 2°.5/ 6.6 18

7 30	23 19.64	+ 0 54.9	2.196	3.007	13.6	20.0
8 9	23 14.52	+ 1 7.4	2.108	3.004	10.8	19.8
8 19	23 7.54	+ 1 7.4	2.043	3.001	7.6	19.6
8 29	22 59.21	+ 0 55.9	2.003	2.997	4.2	19.4
9 8	22 50.29	+ 0 35.5	1.991	2.993	2.5	19.3
9 18	22 41.60	+ 0 9.7	2.008	2.989	5.1	19.4
9 28	22 34.01	− 0 16.9	2.053	2.984	8.5	19.6
10 8	22 28.17	− 0 40.3	2.122	2.980	11.7	19.8

247437 2002 EJ_{11} 9 4.4 233°.97 0°.8/ 2.8 16

7 30	23 10.30	−10 55.5	4.807	5.646	6.3	20.2
8 9	23 6.52	−11 8.4	4.719	5.640	4.7	20.0
8 19	23 1.97	−11 23.8	4.657	5.634	3.0	19.9
8 29	22 56.91	−11 39.8	4.624	5.628	1.2	19.8
9 8	22 51.63	−11 54.8	4.621	5.622	1.3	19.8
9 18	22 46.47	−12 7.1	4.649	5.616	3.0	19.9
9 28	22 41.74	−12 15.2	4.705	5.610	4.8	20.0
10 8	22 37.74	−12 18.0	4.788	5.604	6.4	20.1

220424 2003 SE_{295} 9 4.4 314°.22 3°.5/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.86	+ 6 5.4	2.231	3.031	13.8	20.0
8 9	23 9.40	+ 5 57.4	2.141	3.024	11.2	19.9
8 19	23 4.27	+ 5 32.3	2.072	3.017	8.3	19.7
8 29	22 57.92	+ 4 50.8	2.027	3.011	5.2	19.5
9 8	22 51.03	+ 3 56.2	2.008	3.005	3.5	19.3
9 18	22 44.33	+ 2 53.2	2.018	2.999	5.1	19.4
9 28	22 38.58	+ 1 47.5	2.055	2.993	8.1	19.6
10 8	22 34.41	+ 0 45.3	2.116	2.987	11.2	19.8

38638 2000 NZ_8 9 4.4 17°.16 1°.7/ 5.5 18

7 30	23 11.58	− 0 46.3	0.910	1.800	22.0	17.8
8 9	23 10.07	− 1 4.0	0.863	1.806	17.2	17.6
8 19	23 5.41	− 1 48.6	0.831	1.813	11.5	17.3
8 29	22 58.49	− 2 54.8	0.819	1.823	5.2	17.0
9 8	22 50.75	− 4 12.2	0.827	1.834	2.3	16.9
9 18	22 43.75	− 5 28.6	0.857	1.846	8.2	17.3
9 28	22 38.95	− 6 32.4	0.908	1.860	13.8	17.6
10 8	22 37.19	− 7 16.2	0.977	1.875	18.6	18.0

356426 2010 VB_{122} 9 4.4 313°.76 1°.4/ 6.8 16

7 30	23 9.02	+ 1 5.2	4.125	4.926	7.9	21.6
8 9	23 5.71	+ 0 57.2	4.031	4.922	6.2	21.5
8 19	23 1.53	+ 0 41.8	3.962	4.917	4.3	21.3
8 29	22 56.76	+ 0 20.1	3.920	4.913	2.4	21.2
9 8	22 51.73	− 0 6.1	3.907	4.909	1.4	21.1
9 18	22 46.82	− 0 34.8	3.923	4.904	2.8	21.2
9 28	22 42.38	− 1 3.6	3.969	4.900	4.8	21.4
10 8	22 38.75	− 1 30.3	4.042	4.896	6.7	21.5

44859 1999 UH_{14} 9 4.4 10°.70 4°.7/31.8 18

7 30	23 18.88	−14 22.6	1.335	2.219	16.7	19.0
8 9	23 14.95	−15 23.8	1.275	2.219	12.6	18.8
8 19	23 8.25	−16 32.5	1.237	2.220	8.3	18.6
8 29	22 59.58	−17 39.4	1.221	2.221	4.9	18.4
9 8	22 50.13	−18 34.6	1.230	2.222	6.1	18.5
9 18	22 41.26	−19 10.5	1.263	2.224	10.1	18.7
9 28	22 34.25	−19 22.9	1.319	2.226	14.3	18.9
10 8	22 29.96	−19 11.7	1.395	2.228	18.0	19.2

316722 1998 DQ_{17} 9 4.4 142°.55 1°.3/ 3.2 17

7 30	23 18.92	− 6 0.7	1.624	2.480	15.6	20.7
8 9	23 14.46	− 7 1.6	1.559	2.488	11.9	20.5
8 19	23 7.70	− 8 16.9	1.515	2.495	7.5	20.2
8 29	22 59.31	− 9 40.1	1.496	2.501	2.9	20.0
9 8	22 50.28	−11 2.8	1.504	2.507	2.7	20.0
9 18	22 41.71	−12 16.7	1.539	2.513	7.2	20.3
9 28	22 34.66	−13 15.1	1.600	2.518	11.5	20.5
10 8	22 29.85	−13 54.5	1.682	2.523	15.1	20.8

376202 2011 DP_1 9 4.4 247°.39 0°.4/ 4.7 17

7 30	23 18.82	− 3 15.6	1.737	2.580	15.3	21.8
8 9	23 14.47	− 3 41.0	1.649	2.568	11.9	21.6
8 19	23 7.82	− 4 21.7	1.582	2.556	7.8	21.3
8 29	22 59.42	− 5 14.2	1.539	2.543	3.3	21.0
9 8	22 50.18	− 6 12.5	1.524	2.530	1.6	20.8
9 18	22 41.16	− 7 9.9	1.535	2.516	6.4	21.1
9 28	22 33.46	− 7 59.7	1.573	2.502	10.9	21.4
10 8	22 27.93	− 8 36.9	1.633	2.488	14.8	21.6

252746 2002 EX_5 9 4.4 274°.37 0°.6/ 3.2 17

7 30	23 7.77	− 8 10.6	4.474	5.312	6.7	20.2
8 9	23 4.72	− 8 42.6	4.386	5.307	5.0	20.1
8 19	23 0.88	− 9 18.7	4.325	5.302	3.2	19.9
8 29	22 56.50	− 9 57.1	4.292	5.297	1.2	19.8
9 8	22 51.90	−10 35.3	4.289	5.292	1.2	19.7
9 18	22 47.40	−11 11.1	4.315	5.286	3.1	19.9
9 28	22 43.34	−11 42.4	4.371	5.281	5.0	20.0
10 8	22 40.01	−12 7.7	4.453	5.276	6.7	20.2

5878 Charlene 9 4.4 123°.12 1°.0/ 3.5 18

7 30	23 19.42	− 5 17.0	1.640	2.493	15.7	17.1
8 9	23 14.75	− 6 16.9	1.579	2.506	11.9	16.9
8 19	23 7.83	− 7 31.2	1.540	2.518	7.5	16.7
8 29	22 59.35	− 8 53.7	1.526	2.531	2.8	16.4
9 8	22 50.30	−10 16.0	1.538	2.542	2.4	16.4
9 18	22 41.75	−11 30.0	1.579	2.554	6.9	16.7
9 28	22 34.74	−12 29.2	1.645	2.564	11.1	17.0
10 8	22 29.95	−13 10.2	1.733	2.575	14.7	17.3

18818 Yasuhiko 9 4.4 107°.57 2°.2/ 2.5 18

7 30	23 19.82	− 8 9.7	1.510	2.374	16.2	17.3
8 9	23 15.21	− 9 16.4	1.454	2.388	12.2	17.1
8 19	23 8.18	−10 35.6	1.420	2.402	7.6	16.9
8 29	22 59.49	−11 59.6	1.411	2.416	3.2	16.7
9 8	22 50.22	−13 19.1	1.428	2.429	3.6	16.7
9 18	22 41.55	−14 26.0	1.472	2.442	7.9	17.0
9 28	22 34.54	−15 14.3	1.540	2.454	12.1	17.3
10 8	22 29.94	−15 41.8	1.630	2.466	15.7	17.6

320145 2007 EC_{223} 9 4.4 154.°54 4.°6/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.64	−20 49.5	2.636	3.499	10.1	20.9
8 9	23 11.22	−22 0.4	2.575	3.504	7.8	20.7
8 19	23 5.27	−23 11.1	2.540	3.509	5.6	20.6
8 29	22 58.28	−24 15.7	2.532	3.513	4.6	20.5
9 8	22 50.90	−25 9.0	2.553	3.517	5.6	20.6
9 18	22 43.80	−25 47.2	2.601	3.521	7.6	20.8
9 28	22 37.66	−26 8.2	2.674	3.525	9.9	20.9
10 8	22 33.01	−26 11.8	2.770	3.528	12.0	21.1

217349 2004 RS_{217} 9 4.4 359.°13 5.°2/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.33	+ 3 33.8	1.625	2.446	17.2	19.0
8 9	23 14.90	+ 4 39.7	1.548	2.443	14.1	18.8
8 19	23 8.10	+ 5 30.5	1.491	2.441	10.5	18.6
8 29	22 59.53	+ 6 4.4	1.457	2.440	7.0	18.4
9 8	22 50.16	+ 6 22.0	1.448	2.440	5.2	18.3
9 18	22 41.13	+ 6 25.5	1.464	2.441	7.1	18.4
9 28	22 33.56	+ 6 19.7	1.506	2.443	10.5	18.6
10 8	22 28.29	+ 6 10.3	1.570	2.447	14.0	18.8

515329 2013 AD_{13} 9 4.4 181.°74 4.°7/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.73	−20 23.3	2.629	3.490	10.2	22.1
8 9	23 12.10	−21 45.1	2.564	3.491	7.8	21.9
8 19	23 5.88	−23 7.5	2.523	3.492	5.7	21.8
8 29	22 58.55	−24 24.3	2.511	3.491	4.7	21.7
9 8	22 50.76	−25 29.7	2.528	3.491	5.7	21.8
9 18	22 43.22	−26 19.3	2.572	3.489	7.8	21.9
9 28	22 36.64	−26 50.6	2.642	3.488	10.2	22.1
10 8	22 31.57	−27 3.3	2.734	3.485	12.3	22.2

306544 1999 YO_{12} 9 4.4 329.°89 8.°5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.04	+ 7 43.8	1.306	2.133	20.3	19.2
8 9	23 12.55	+ 9 7.2	1.210	2.103	17.3	18.9
8 19	23 7.19	+10 12.1	1.131	2.073	13.8	18.6
8 29	22 59.40	+10 53.6	1.072	2.045	10.4	18.4
9 8	22 50.15	+11 8.9	1.034	2.018	8.6	18.2
9 18	22 40.82	+10 59.1	1.018	1.992	10.0	18.2
9 28	22 32.98	+10 29.6	1.025	1.968	13.6	18.3
10 8	22 27.92	+ 9 50.1	1.050	1.946	17.8	18.5

153212 2000 XK_{41} 9 4.4 234.°79 0.°0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.33	− 6 10.6	2.749	3.578	10.7	21.0
8 9	23 13.22	− 6 20.9	2.652	3.565	8.2	20.9
8 19	23 6.58	− 6 38.2	2.579	3.551	5.3	20.6
8 29	22 58.84	− 7 0.3	2.533	3.537	2.1	20.4
9 8	22 50.59	− 7 24.0	2.517	3.522	1.2	20.3
9 18	22 42.49	− 7 46.1	2.531	3.507	4.6	20.5
9 28	22 35.22	− 8 3.4	2.573	3.492	7.7	20.7
10 8	22 29.35	− 8 13.6	2.641	3.476	10.4	20.9

113900 2002 TR_{274} 9 4.4 126.°27 2.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.81	−10 33.6	1.615	2.475	15.5	19.5
8 9	23 17.41	−10 57.5	1.550	2.482	11.7	19.2
8 19	23 9.59	−11 29.3	1.507	2.488	7.4	19.0
8 29	23 0.07	−12 3.6	1.489	2.494	3.1	18.8
9 8	22 49.92	−12 33.9	1.498	2.499	3.2	18.8
9 18	22 40.32	−12 54.8	1.533	2.505	7.5	19.1
9 28	22 32.38	−13 2.5	1.593	2.510	11.6	19.3
10 8	22 26.84	−12 55.6	1.676	2.515	15.2	19.6

197593 2004 HA_{43} 9 4.4 263.°50 4.°6/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 8.11	+20 38.3	4.624	5.288	8.9	19.8
8 9	23 5.01	+20 44.1	4.524	5.287	7.8	19.7
8 19	23 1.09	+20 37.5	4.444	5.285	6.7	19.7
8 29	22 56.61	+20 18.2	4.387	5.283	5.5	19.6
9 8	22 51.88	+19 47.0	4.356	5.281	4.8	19.5
9 18	22 47.26	+19 5.2	4.352	5.280	4.6	19.5
9 28	22 43.08	+18 15.3	4.375	5.278	5.2	19.5
10 8	22 39.65	+17 20.2	4.426	5.276	6.2	19.6

514393 2016 SJ_{18} 9 4.4 355.°97 4.°6/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.18	+ 0 30.2	1.399	2.237	18.7	20.3
8 9	23 18.21	+ 1 39.0	1.325	2.233	15.0	20.1
8 19	23 10.41	+ 2 33.7	1.270	2.231	10.8	19.8
8 29	23 0.50	+ 3 12.9	1.237	2.229	6.6	19.6
9 8	22 49.64	+ 3 37.3	1.230	2.228	4.6	19.5
9 18	22 39.20	+ 3 49.1	1.247	2.228	7.5	19.7
9 28	22 30.54	+ 3 53.1	1.289	2.229	11.8	19.9
10 8	22 24.62	+ 3 54.9	1.353	2.230	15.8	20.2

509389 2007 CR_{35} 9 4.4 104.°28 2.°9/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.00	+ 3 3.8	2.430	3.227	12.9	21.0
8 9	23 13.74	+ 3 20.5	2.356	3.241	10.3	20.9
8 19	23 6.89	+ 3 24.6	2.305	3.254	7.4	20.7
8 29	22 58.94	+ 3 16.9	2.279	3.267	4.4	20.5
9 8	22 50.57	+ 2 59.8	2.282	3.280	2.9	20.5
9 18	22 42.53	+ 2 36.2	2.313	3.292	4.7	20.6
9 28	22 35.51	+ 2 10.3	2.373	3.304	7.6	20.8
10 8	22 30.07	+ 1 45.9	2.458	3.317	10.3	21.0

210184 2006 UD_{273} 9 4.4 114.°30 2.°4/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.99	+ 4 57.6	3.355	4.139	9.9	20.6
8 9	23 8.11	+ 4 52.3	3.273	4.148	8.0	20.4
8 19	23 3.14	+ 4 36.2	3.214	4.156	5.8	20.3
8 29	22 57.43	+ 4 10.4	3.181	4.164	3.6	20.2
9 8	22 51.43	+ 3 37.0	3.177	4.172	2.4	20.1
9 18	22 45.61	+ 2 58.7	3.202	4.180	3.6	20.2
9 28	22 40.44	+ 2 18.6	3.256	4.188	5.7	20.3
10 8	22 36.31	+ 1 40.1	3.336	4.196	7.8	20.5

438014 2003 XH_{17} 9 4.4 274.°40 5.°3/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.92	+ 8 2.4	1.965	2.754	15.8	21.2
8 9	23 13.56	+ 8 32.9	1.874	2.745	13.1	21.0
8 19	23 7.13	+ 8 45.3	1.802	2.736	10.1	20.8
8 29	22 59.15	+ 8 38.6	1.754	2.727	7.1	20.6
9 8	22 50.41	+ 8 14.3	1.731	2.718	5.3	20.5
9 18	22 41.85	+ 7 35.8	1.735	2.709	6.5	20.6
9 28	22 34.44	+ 6 48.8	1.765	2.700	9.5	20.7
10 8	22 28.95	+ 6 0.0	1.820	2.691	12.7	20.9

386744 2010 BH_{3} 9 4.4 84.°13 3.°9/ 7.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.00	+ 3 36.6	1.780	2.590	16.4	21.2
8 9	23 16.54	+ 4 4.5	1.715	2.606	13.2	21.0
8 19	23 8.92	+ 4 15.5	1.670	2.621	9.5	20.8
8 29	22 59.80	+ 4 10.2	1.649	2.637	5.8	20.7
9 8	22 50.13	+ 3 51.2	1.655	2.652	3.9	20.6
9 18	22 40.96	+ 3 23.0	1.688	2.668	6.1	20.7
9 28	22 33.24	+ 2 51.1	1.747	2.683	9.5	21.0
10 8	22 27.69	+ 2 21.2	1.831	2.698	12.8	21.2

130583 2000 RS_{75} 9 4.4 256.°72 1.°8/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.65	−11 6.8	2.061	2.909	13.1	19.4
8 9	23 17.12	−11 25.7	1.964	2.889	10.0	19.1
8 19	23 9.42	−11 50.9	1.890	2.868	6.4	18.9
8 29	23 0.08	−12 18.2	1.843	2.846	2.8	18.6
9 8	22 49.92	−12 42.5	1.823	2.824	2.9	18.6
9 18	22 39.92	−12 59.3	1.833	2.802	6.7	18.8
9 28	22 31.11	−13 4.9	1.869	2.778	10.6	18.9
10 8	22 24.28	−12 57.5	1.928	2.754	14.0	19.1

365271 2009 QH_{27} 9 4.4 351.°18 2.°2/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.86	−12 36.2	1.974	2.834	13.1	20.6
8 9	23 14.10	−12 47.8	1.900	2.832	9.9	20.4
8 19	23 7.34	−13 3.8	1.849	2.829	6.3	20.2
8 29	22 59.18	−13 20.0	1.824	2.827	2.9	20.0
9 8	22 50.48	−13 31.9	1.826	2.825	3.1	20.0
9 18	22 42.15	−13 35.5	1.855	2.824	6.6	20.2
9 28	22 35.10	−13 28.3	1.910	2.823	10.2	20.4
10 8	22 29.99	−13 9.2	1.989	2.823	13.3	20.6

383049 2005 QA_{65} 9 4.4 308.°59 3.°8/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.04	−12 57.0	1.368	2.250	16.5	20.6
8 9	23 14.65	−13 37.0	1.280	2.224	12.7	20.3
8 19	23 8.39	−14 26.8	1.213	2.198	8.3	20.0
8 29	22 59.82	−15 19.2	1.169	2.172	4.3	19.7
9 8	22 50.04	−16 5.0	1.149	2.147	5.2	19.7
9 18	22 40.44	−16 36.1	1.154	2.122	9.9	19.9
9 28	22 32.48	−16 46.3	1.180	2.097	14.7	20.1
10 8	22 27.28	−16 33.7	1.226	2.074	19.1	20.3

507990 2015 BJ_{170} 9 4.4 135.°05 2.°2/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.80	− 8 42.1	1.572	2.437	15.6	22.0
8 9	23 14.49	− 9 39.6	1.507	2.442	11.8	21.7
8 19	23 7.79	−10 49.1	1.464	2.446	7.4	21.5
8 29	22 59.41	−12 3.6	1.446	2.450	3.1	21.3
9 8	22 50.37	−13 14.8	1.454	2.455	3.5	21.3
9 18	22 41.79	−14 14.6	1.488	2.458	7.8	21.6
9 28	22 34.77	−14 57.5	1.547	2.462	12.0	21.8
10 8	22 30.08	−15 20.7	1.628	2.465	15.6	22.1

219947 2002 GC_{160} 9 4.4 58.°84 4.°3/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.44	+10 57.3	2.152	2.928	15.0	20.0
8 9	23 9.03	+10 26.3	2.080	2.943	12.3	19.9
8 19	23 3.99	+ 9 33.4	2.028	2.958	9.3	19.7
8 29	22 57.84	+ 8 20.3	2.000	2.973	6.3	19.6
9 8	22 51.27	+ 6 51.3	1.998	2.988	4.4	19.5
9 18	22 45.02	+ 5 12.7	2.025	3.003	5.3	19.6
9 28	22 39.83	+ 3 32.1	2.079	3.019	8.0	19.8
10 8	22 36.24	+ 1 56.9	2.159	3.034	10.8	20.0

178728 2000 SQ_{306} 9 4.4 3.°34 2.°0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.27	− 1 2.0	1.981	2.810	14.3	19.4
8 9	23 13.65	− 0 49.6	1.902	2.810	11.2	19.2
8 19	23 7.07	− 0 49.5	1.844	2.810	7.7	19.0
8 29	22 59.10	− 1 0.3	1.812	2.810	3.9	18.8
9 8	22 50.54	− 1 18.9	1.806	2.810	2.1	18.7
9 18	22 42.29	− 1 41.2	1.828	2.811	5.3	18.9
9 28	22 35.24	− 2 2.8	1.877	2.812	9.0	19.1
10 8	22 30.07	− 2 19.5	1.950	2.813	12.4	19.3

306759 2000 YX_{97} 9 4.4 293°.15 2°.8/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.58	+ 1 17.1	1.769	2.595	15.8	20.4
8 9	23 14.54	+ 1 23.9	1.657	2.561	12.8	20.1
8 19	23 8.10	+ 1 14.1	1.565	2.527	9.1	19.8
8 29	22 59.69	+ 0 48.1	1.497	2.493	5.0	19.5
9 8	22 50.12	+ 0 9.0	1.455	2.458	2.9	19.3
9 18	22 40.46	− 0 38.3	1.440	2.423	6.4	19.4
9 28	22 31.93	− 1 27.2	1.450	2.387	10.9	19.6
10 8	22 25.53	− 2 10.8	1.484	2.352	15.2	19.8

157659 2005 YB_{42} 9 4.4 92°.22 0°.3/ 4.0 18

7 30	23 15.61	− 5 58.2	2.398	3.238	11.7	20.3
8 9	23 11.21	− 6 26.1	2.331	3.251	8.9	20.1
8 19	23 5.29	− 7 2.7	2.287	3.263	5.7	19.9
8 29	22 58.33	− 7 44.3	2.271	3.275	2.2	19.7
9 8	22 51.00	− 8 26.8	2.282	3.288	1.5	19.7
9 18	22 44.00	− 9 5.9	2.323	3.300	4.9	19.9
9 28	22 37.99	− 9 37.9	2.391	3.312	8.1	20.2
10 8	22 33.50	−10 0.1	2.484	3.323	10.8	20.4

164507 2006 GU_{45} 9 4.4 196°.32 0°.6/ 3.8 18

7 30	23 17.35	− 5 42.8	1.955	2.802	13.7	20.8
8 9	23 13.00	− 6 22.0	1.878	2.801	10.5	20.6
8 19	23 6.68	− 7 13.1	1.822	2.799	6.7	20.3
8 29	22 58.96	− 8 11.6	1.793	2.798	2.6	20.1
9 8	22 50.63	− 9 11.7	1.791	2.795	1.9	20.0
9 18	22 42.60	−10 7.1	1.817	2.793	6.0	20.3
9 28	22 35.77	−10 52.5	1.869	2.790	9.9	20.5
10 8	22 30.84	−11 24.4	1.945	2.787	13.3	20.7

72277 2001 AZ_{49} 9 4.4 64°.46 6°.8/10.4 18

7 30	23 20.68	+10 56.6	1.681	2.461	18.4	19.1
8 9	23 15.68	+11 40.0	1.622	2.482	15.3	19.0
8 19	23 8.43	+12 0.3	1.581	2.503	12.0	18.8
8 29	22 59.63	+11 56.1	1.562	2.525	8.8	18.7
9 8	22 50.28	+11 29.5	1.568	2.546	6.9	18.6
9 18	22 41.46	+10 45.0	1.599	2.567	7.6	18.7
9 28	22 34.18	+ 9 50.1	1.656	2.589	10.1	18.9
10 8	22 29.15	+ 8 52.6	1.736	2.610	13.1	19.1

263308 2008 CQ_{25} 9 4.4 139°.70 0°.8/ 5.1 17

7 30	23 20.67	− 2 24.0	1.787	2.622	15.3	21.2
8 9	23 15.58	− 2 49.0	1.718	2.633	11.8	21.0
8 19	23 8.35	− 3 28.6	1.671	2.642	7.8	20.8
8 29	22 59.61	− 4 18.9	1.648	2.651	3.3	20.5
9 8	22 50.29	− 5 14.3	1.654	2.659	1.6	20.4
9 18	22 41.42	− 6 8.6	1.686	2.667	5.9	20.7
9 28	22 33.96	− 6 55.6	1.746	2.675	10.0	21.0
10 8	22 28.61	− 7 31.1	1.829	2.681	13.5	21.2

294334 2007 VZ_{74} 9 4.4 225°.64 3°.2/ 7.9 18 R

7 30	23 15.57	+ 5 21.5	2.179	2.978	14.1	20.9
8 9	23 11.53	+ 5 9.0	2.088	2.972	11.4	20.7
8 19	23 5.71	+ 4 39.0	2.018	2.966	8.3	20.5
8 29	22 58.59	+ 3 52.6	1.972	2.959	5.1	20.3
9 8	22 50.87	+ 2 53.4	1.954	2.953	3.2	20.1
9 18	22 43.35	+ 1 46.5	1.964	2.946	5.1	20.2
9 28	22 36.84	+ 0 38.0	2.002	2.938	8.4	20.4
10 8	22 31.99	− 0 26.0	2.064	2.931	11.6	20.6

180989 2005 NO_{16} 9 4.4 102°.79 2°.3/ 2.6 17

7 30	23 20.21	− 9 45.6	1.547	2.413	15.8	20.9
8 9	23 15.54	−10 30.4	1.487	2.421	11.9	20.7
8 19	23 8.46	−11 25.3	1.448	2.429	7.5	20.5
8 29	22 59.69	−12 23.6	1.433	2.437	3.2	20.2
9 8	22 50.30	−13 17.6	1.445	2.445	3.5	20.3
9 18	22 41.46	−14 0.4	1.482	2.453	7.8	20.6
9 28	22 34.26	−14 27.2	1.545	2.461	12.0	20.8
10 8	22 29.44	−14 36.1	1.629	2.468	15.5	21.1

472467 2015 BB_{438} 9 4.4 80°.23 1°.8/ 2.8 17

7 30	23 19.47	− 8 21.5	1.541	2.405	15.9	21.1
8 9	23 14.88	− 9 10.4	1.488	2.421	12.0	20.9
8 19	23 7.96	−10 10.5	1.456	2.437	7.5	20.7
8 29	22 59.46	−11 15.0	1.448	2.453	3.0	20.5
9 8	22 50.44	−12 16.0	1.467	2.469	3.1	20.5
9 18	22 42.03	−13 6.5	1.512	2.485	7.5	20.8
9 28	22 35.26	−13 41.3	1.582	2.500	11.6	21.1
10 8	22 30.81	−13 58.4	1.674	2.516	15.1	21.4

438773 2008 UK_{349} 9 4.4 313°.53 7°.4/28.3 18

7 30	23 16.95	−21 48.3	1.594	2.478	14.4	20.6
8 9	23 13.32	−23 19.4	1.530	2.469	11.3	20.4
8 19	23 7.20	−24 51.4	1.489	2.460	8.5	20.2
8 29	22 59.25	−26 13.9	1.472	2.452	7.4	20.1
9 8	22 50.52	−27 17.2	1.480	2.443	8.9	20.2
9 18	22 42.20	−27 54.4	1.512	2.435	11.8	20.3
9 28	22 35.47	−28 2.8	1.565	2.428	15.0	20.5
10 8	22 31.15	−27 43.7	1.638	2.420	17.9	20.7

404046 2012 DC_{7} 9 4.4 240°.66 0°.7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.02	− 4 7.8	2.422	3.251	12.0	20.9
8 9	23 13.15	− 4 7.8	2.335	3.246	9.3	20.7
8 19	23 6.63	− 4 16.6	2.270	3.240	6.1	20.5
8 29	22 58.93	− 4 32.1	2.233	3.235	2.7	20.3
9 8	22 50.71	− 4 51.2	2.223	3.229	1.3	20.2
9 18	22 42.72	− 5 10.6	2.243	3.223	4.7	20.4
9 28	22 35.69	− 5 26.7	2.291	3.217	8.1	20.6
10 8	22 30.23	− 5 36.8	2.364	3.212	11.0	20.8

237207 2008 UP_{282} 9 4.4 137°.15 2°.0/ 6.4 18

7 30	23 17.12	+ 1 10.0	1.923	2.747	14.8	21.2
8 9	23 12.82	+ 0 53.0	1.847	2.752	11.7	21.0
8 19	23 6.57	+ 0 19.7	1.793	2.756	8.0	20.8
8 29	22 58.93	− 0 27.3	1.763	2.760	4.1	20.6
9 8	22 50.72	− 1 23.4	1.760	2.764	2.1	20.5
9 18	22 42.84	− 2 22.8	1.785	2.768	5.4	20.7
9 28	22 36.18	− 3 19.3	1.837	2.772	9.2	20.9
10 8	22 31.41	− 4 7.3	1.912	2.775	12.6	21.2

392195 2009 SD_{140} 9 4.4 320°.93 0°.1/ 4.3 17

7 30	23 10.95	− 6 36.7	3.849	4.680	7.9	20.6
8 9	23 7.25	− 6 45.1	3.756	4.671	6.0	20.5
8 19	23 2.60	− 6 58.2	3.689	4.663	3.8	20.3
8 29	22 57.27	− 7 14.3	3.650	4.654	1.5	20.1
9 8	22 51.67	− 7 31.4	3.640	4.645	0.9	20.1
9 18	22 46.19	− 7 47.4	3.660	4.637	3.3	20.3
9 28	22 41.25	− 8 0.2	3.709	4.629	5.5	20.4
10 8	22 37.20	− 8 8.2	3.784	4.621	7.5	20.6

394633 2007 XN_{55} 9 4.4 337°.88 1°.9/ 2.7 18

7 30	23 15.55	− 9 20.4	1.696	2.563	14.5	20.9
8 9	23 11.96	− 9 59.5	1.622	2.558	11.0	20.7
8 19	23 6.18	−10 48.7	1.570	2.552	7.0	20.4
8 29	22 58.83	−11 42.5	1.543	2.547	2.9	20.2
9 8	22 50.80	−12 34.2	1.541	2.543	3.1	20.2
9 18	22 43.11	−13 17.1	1.566	2.539	7.3	20.4
9 28	22 36.78	−13 46.3	1.616	2.535	11.3	20.7
10 8	22 32.55	−13 58.9	1.688	2.532	14.8	20.9

233401 2006 FF_{39} 9 4.4 350°.79 0°.1/ 4.2 18 R

7 30	23 9.41	− 2 34.8	1.233	2.111	18.2	19.0
8 9	23 7.94	− 3 30.0	1.164	2.103	14.0	18.7
8 19	23 3.94	− 4 48.5	1.114	2.096	9.1	18.5
8 29	22 58.02	− 6 24.2	1.085	2.091	3.6	18.1
9 8	22 51.24	− 8 6.7	1.081	2.086	2.2	18.0
9 18	22 44.85	− 9 44.2	1.100	2.083	7.8	18.4
9 28	22 40.08	−11 5.8	1.142	2.081	13.0	18.6
10 8	22 37.82	−12 4.5	1.204	2.081	17.4	18.9

258976 2002 SX_{57} 9 4.4 337°.26 3°.4/ 1.9 18

7 30	23 12.02	−10 2.1	1.097	1.996	18.4	19.4
8 9	23 10.36	−10 56.9	1.028	1.981	14.0	19.1
8 19	23 5.74	−12 7.7	0.978	1.966	8.9	18.8
8 29	22 58.81	−13 25.9	0.948	1.954	4.1	18.5
9 8	22 50.79	−14 39.9	0.941	1.942	5.1	18.5
9 18	22 43.17	−15 38.5	0.957	1.931	10.3	18.8
9 28	22 37.45	−16 13.3	0.993	1.923	15.5	19.1
10 8	22 34.67	−16 21.1	1.046	1.915	20.1	19.3

230979 2005 AT_{42} 9 4.4 59°.48 0°.4/ 3.9 15

7 30	23 24.73	− 3 32.4	1.991	2.816	14.4	21.1
8 9	23 17.88	− 4 45.8	1.967	2.878	10.7	20.9
8 19	23 9.34	− 6 9.5	1.967	2.939	6.7	20.8
8 29	22 59.87	− 7 37.3	1.995	2.999	2.5	20.7
9 8	22 50.34	− 9 2.0	2.053	3.058	1.7	20.7
9 18	22 41.60	−10 17.6	2.141	3.115	5.5	21.1
9 28	22 34.38	−11 19.7	2.258	3.171	8.8	21.4
10 8	22 29.11	−12 5.9	2.399	3.225	11.6	21.7

402381 2005 YK_{53} 9 4.4 231°.00 2°.3/ 6.9 17

7 30	23 16.03	+ 1 44.8	2.492	3.300	12.3	22.0
8 9	23 11.64	+ 1 45.2	2.401	3.294	9.8	21.8
8 19	23 5.67	+ 1 33.3	2.333	3.289	6.9	21.6
8 29	22 58.57	+ 1 10.4	2.291	3.284	3.9	21.4
9 8	22 50.97	+ 0 39.2	2.277	3.278	2.3	21.3
9 18	22 43.55	+ 0 3.1	2.291	3.273	4.5	21.5
9 28	22 37.03	− 0 33.4	2.334	3.267	7.6	21.7
10 8	22 31.98	− 1 6.5	2.402	3.261	10.5	21.8

10622 1997 XA_{12} 9 4.4 345°.74 3°.8/ 2.3 18

7 30	23 16.01	−12 36.5	0.972	1.877	19.7	17.3
8 9	23 13.71	−12 58.8	0.911	1.866	15.1	17.0
8 19	23 8.02	−13 31.1	0.867	1.856	9.7	16.7
8 29	22 59.73	−14 5.1	0.843	1.848	4.7	16.4
9 8	22 50.30	−14 31.0	0.840	1.841	5.3	16.4
9 18	22 41.47	−14 40.4	0.859	1.836	10.7	16.7
9 28	22 34.92	−14 28.2	0.897	1.832	16.1	17.0
10 8	22 31.70	−13 53.9	0.952	1.830	20.8	17.2

2236 Austrasia 9 4.4 17°.66 5°.8/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 24.09	−18 55.7	0.943	1.844	20.4	14.6
8 9	23 19.60	−18 52.4	0.901	1.851	15.7	14.4
8 19	23 11.49	−18 47.4	0.876	1.861	10.5	14.1
8 29	23 0.93	−18 32.1	0.871	1.871	6.3	13.9
9 8	22 49.74	−17 59.8	0.889	1.884	6.9	14.0
9 18	22 39.75	−17 8.1	0.928	1.898	11.3	14.3
9 28	22 32.50	−15 58.4	0.988	1.914	16.0	14.7
10 8	22 28.77	−14 34.4	1.066	1.931	20.1	15.0

103246 2000 AQ_4 9 4.4 256°.40 1°.0/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.11	− 1 16.7	2.006	2.838	14.0	20.2
8 9	23 12.13	− 1 43.4	1.915	2.827	10.9	20.0
8 19	23 6.21	− 2 25.1	1.846	2.816	7.3	19.7
8 29	22 58.85	− 3 18.7	1.802	2.804	3.3	19.4
9 8	22 50.81	− 4 19.6	1.786	2.792	1.5	19.3
9 18	22 42.95	− 5 21.6	1.797	2.779	5.5	19.5
9 28	22 36.19	− 6 18.6	1.836	2.767	9.4	19.8
10 8	22 31.24	− 7 5.5	1.898	2.754	12.9	20.0

214497 2005 VK_{82} 9 4.4 227°.96 17°.3/26.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 44.73	−41 42.0	1.167	2.010	21.3	19.9
8 9	23 36.14	−43 10.0	1.122	2.005	19.1	19.7
8 19	23 22.54	−44 13.2	1.094	1.999	17.6	19.6
8 29	23 5.40	−44 33.0	1.085	1.992	17.3	19.6
9 8	22 47.28	−43 57.6	1.095	1.986	18.4	19.6
9 18	22 30.98	−42 26.4	1.125	1.978	20.5	19.8
9 28	22 18.66	−40 8.6	1.173	1.971	23.0	19.9
10 8	22 11.24	−37 18.6	1.236	1.963	25.5	20.1

368112 2013 GK_{52} 9 4.4 112°.48 10°.7/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.81	−46 25.1	2.624	3.423	12.0	20.9
8 9	23 20.01	−47 40.5	2.604	3.436	11.1	20.8
8 19	23 11.02	−48 38.7	2.605	3.449	10.7	20.8
8 29	23 0.63	−49 13.2	2.629	3.461	10.9	20.9
9 8	22 49.90	−49 20.2	2.675	3.473	11.6	20.9
9 18	22 39.91	−48 59.1	2.742	3.485	12.6	21.0
9 28	22 31.62	−48 12.0	2.828	3.497	13.6	21.2
10 8	22 25.63	−47 3.2	2.931	3.508	14.6	21.3

443621 2014 MK_{11} 9 4.4 126°.63 4°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.95	+ 8 27.5	2.385	3.163	13.6	20.9
8 9	23 10.87	+ 8 31.2	2.302	3.167	11.2	20.7
8 19	23 5.19	+ 8 18.0	2.239	3.171	8.5	20.5
8 29	22 58.39	+ 7 48.4	2.201	3.175	5.8	20.4
9 8	22 51.10	+ 7 4.8	2.190	3.178	4.2	20.3
9 18	22 44.06	+ 6 11.2	2.206	3.182	5.2	20.4
9 28	22 37.96	+ 5 12.8	2.250	3.185	7.7	20.5
10 8	22 33.38	+ 4 15.1	2.320	3.188	10.4	20.7

139059 2001 FQ_2 9 4.4 196°.21 1°.0/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.55	− 1 22.0	1.820	2.653	15.2	21.3
8 9	23 14.87	− 1 51.2	1.738	2.651	11.8	21.0
8 19	23 8.02	− 2 36.3	1.678	2.648	7.9	20.8
8 29	22 59.58	− 3 34.2	1.643	2.645	3.5	20.5
9 8	22 50.43	− 4 39.0	1.635	2.641	1.6	20.4
9 18	22 41.58	− 5 44.1	1.655	2.637	5.9	20.7
9 28	22 34.03	− 6 42.6	1.702	2.632	10.1	20.9
10 8	22 28.56	− 7 29.4	1.772	2.626	13.8	21.1

131002 2000 WP_{188} 9 4.4 42°.97 4°.7/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.43	+ 4 22.3	1.188	2.031	21.0	19.1
8 9	23 14.77	+ 4 39.2	1.132	2.042	16.9	18.9
8 19	23 8.27	+ 4 30.5	1.092	2.053	12.2	18.7
8 29	22 59.71	+ 3 57.1	1.073	2.065	7.4	18.5
9 8	22 50.39	+ 3 4.3	1.077	2.077	4.7	18.4
9 18	22 41.71	+ 2 0.4	1.105	2.090	7.5	18.6
9 28	22 35.00	+ 0 55.6	1.156	2.103	12.0	18.9
10 8	22 31.10	− 0 1.2	1.228	2.117	16.2	19.2

71387 2000 AD_{154} 9 4.4 2°.57 11°.2/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.07	−28 33.1	1.258	2.155	16.6	17.6
8 9	23 12.44	−30 21.6	1.216	2.153	13.7	17.4
8 19	23 6.85	−32 1.4	1.195	2.153	11.7	17.3
8 29	22 59.16	−33 18.9	1.195	2.154	11.4	17.3
9 8	22 50.72	−34 3.7	1.217	2.156	12.9	17.4
9 18	22 43.00	−34 10.6	1.259	2.159	15.5	17.5
9 28	22 37.34	−33 40.2	1.319	2.164	18.4	17.7
10 8	22 34.53	−32 37.7	1.396	2.169	20.9	17.9

79678 1998 SQ_{48} 9 4.4 42°.65 0°.8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.72	− 3 15.0	1.248	2.112	18.8	19.1
8 9	23 14.79	− 3 27.5	1.195	2.126	14.5	18.8
8 19	23 8.14	− 3 57.6	1.162	2.140	9.5	18.6
8 29	22 59.62	− 4 40.8	1.151	2.154	4.0	18.3
9 8	22 50.47	− 5 29.8	1.163	2.170	1.9	18.2
9 18	22 42.01	− 6 16.5	1.201	2.185	7.2	18.6
9 28	22 35.47	− 6 54.0	1.262	2.201	12.0	18.9
10 8	22 31.60	− 7 17.5	1.344	2.218	16.1	19.2

264101 2009 SN_{302} 9 4.4 304°.10 1°.5/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 8.37	+ 2 27.1	4.274	5.069	7.8	20.7
8 9	23 5.26	+ 2 15.6	4.178	5.063	6.2	20.6
8 19	23 1.31	+ 1 56.2	4.106	5.057	4.4	20.5
8 29	22 56.79	+ 1 30.1	4.060	5.050	2.5	20.3
9 8	22 52.03	+ 0 59.0	4.044	5.044	1.5	20.2
9 18	22 47.36	+ 0 25.0	4.058	5.039	2.8	20.3
9 28	22 43.15	− 0 9.5	4.100	5.033	4.6	20.5
10 8	22 39.70	− 0 42.2	4.170	5.027	6.4	20.6

403936 2012 BE_{20} 9 4.4 142°.33 5°.0/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.05	−21 49.9	2.462	3.326	10.7	21.7
8 9	23 12.42	−22 54.3	2.403	3.331	8.3	21.6
8 19	23 6.14	−23 57.4	2.369	3.336	6.1	21.5
8 29	22 58.75	−24 53.4	2.362	3.341	5.0	21.4
9 8	22 50.94	−25 36.9	2.382	3.346	6.0	21.5
9 18	22 43.48	−26 4.2	2.430	3.350	8.1	21.6
9 28	22 37.08	−26 13.4	2.502	3.354	10.4	21.8
10 8	22 32.29	−26 4.9	2.597	3.358	12.6	21.9

219927 2002 GK_{85} 9 4.4 93°.06 0°.7/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.68	− 1 6.8	2.297	3.126	12.6	20.5
8 9	23 9.90	− 1 50.7	2.224	3.135	9.7	20.4
8 19	23 4.55	− 2 47.9	2.175	3.145	6.4	20.2
8 29	22 58.13	− 3 54.7	2.152	3.154	2.8	20.0
9 8	22 51.29	− 5 6.0	2.157	3.163	1.2	19.8
9 18	22 44.74	− 6 16.3	2.192	3.173	4.7	20.1
9 28	22 39.17	− 7 20.2	2.253	3.182	8.1	20.3
10 8	22 35.12	− 8 13.6	2.340	3.191	11.0	20.6

191724 2004 RJ_{246} 9 4.4 354°.01 1°.3/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.39	− 1 58.6	1.395	2.254	17.5	20.2
8 9	23 12.24	− 2 10.5	1.324	2.251	13.7	20.0
8 19	23 6.58	− 2 40.6	1.273	2.248	9.1	19.7
8 29	22 59.07	− 3 25.4	1.243	2.246	4.1	19.4
9 8	22 50.75	− 4 18.6	1.239	2.245	1.9	19.2
9 18	22 42.84	− 5 12.8	1.259	2.244	6.8	19.6
9 28	22 36.52	− 6 0.0	1.303	2.244	11.6	19.8
10 8	22 32.64	− 6 34.6	1.369	2.245	15.8	20.1

188172 2002 HJ_{13} 9 4.4 87°.87 9°.4/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.32	−35 30.2	2.309	3.161	11.7	19.3
8 9	23 13.73	−37 28.0	2.283	3.176	10.2	19.3
8 19	23 7.13	−39 13.9	2.281	3.191	9.4	19.2
8 29	22 59.18	−40 39.8	2.305	3.206	9.6	19.3
9 8	22 50.74	−41 39.8	2.353	3.222	10.6	19.4
9 18	22 42.76	−42 11.4	2.423	3.236	12.1	19.5
9 28	22 36.13	−42 15.0	2.515	3.251	13.6	19.6
10 8	22 31.49	−41 53.7	2.623	3.266	15.0	19.8

95084 2002 AG_{87} 9 4.4 163°.63 2°.0/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.75	− 8 3.7	1.909	2.765	13.6	19.6
8 9	23 12.61	− 9 14.8	1.838	2.768	10.3	19.4
8 19	23 6.48	−10 37.4	1.790	2.771	6.5	19.2
8 29	22 58.95	−12 5.2	1.769	2.773	2.7	18.9
9 8	22 50.84	−13 30.4	1.776	2.776	3.2	19.0
9 18	22 43.07	−14 45.7	1.810	2.778	6.9	19.2
9 28	22 36.53	−15 45.3	1.871	2.779	10.7	19.5
10 8	22 31.90	−16 26.3	1.954	2.780	13.9	19.7

309193 2007 ET_{66} 9 4.4 225°.30 2°.6/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.64	−14 8.7	2.280	3.136	11.7	20.7
8 9	23 13.71	−14 34.0	2.206	3.136	8.8	20.5
8 19	23 7.02	−15 2.7	2.157	3.135	5.7	20.3
8 29	22 59.13	−15 30.3	2.134	3.135	3.0	20.1
9 8	22 50.76	−15 52.2	2.139	3.134	3.5	20.2
9 18	22 42.72	−16 4.8	2.172	3.133	6.4	20.4
9 28	22 35.79	−16 5.6	2.232	3.132	9.5	20.6
10 8	22 30.57	−15 53.8	2.315	3.132	12.3	20.7

218314 2003 XE_{14} 9 4.4 184°.49 5°.8/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.87	+ 8 35.7	2.101	2.862	15.8	21.1
8 9	23 21.03	+ 9 30.1	2.011	2.863	13.2	20.9
8 19	23 11.94	+10 8.6	1.941	2.863	10.2	20.7
8 29	23 1.16	+10 29.2	1.897	2.862	7.4	20.5
9 8	22 49.59	+10 32.0	1.881	2.860	5.8	20.4
9 18	22 38.24	+10 19.1	1.893	2.857	7.0	20.5
9 28	22 28.16	+ 9 55.1	1.933	2.854	9.7	20.6
10 8	22 20.15	+ 9 25.8	1.999	2.850	12.6	20.8

373816 2002 WA_{23} 9 4.4 181°.21 3°.8/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.36	−15 29.8	2.093	2.951	12.5	21.7
8 9	23 15.96	−16 29.4	2.023	2.952	9.5	21.5
8 19	23 8.57	−17 33.1	1.976	2.953	6.3	21.3
8 29	22 59.77	−18 34.4	1.957	2.953	3.9	21.2
9 8	22 50.40	−19 26.6	1.966	2.953	4.8	21.2
9 18	22 41.39	−20 4.7	2.002	2.951	7.8	21.4
9 28	22 33.64	−20 25.4	2.065	2.949	11.0	21.6
10 8	22 27.83	−20 28.1	2.150	2.946	13.8	21.8

25365 Bernreuter 9 4.4 230°.48 3°.4/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.44	+ 4 43.7	1.801	2.611	16.2	18.6
8 9	23 14.17	+ 4 34.0	1.710	2.602	13.1	18.4
8 19	23 7.68	+ 4 4.0	1.639	2.592	9.5	18.2
8 29	22 59.50	+ 3 14.6	1.592	2.582	5.6	17.9
9 8	22 50.51	+ 2 9.9	1.571	2.571	3.5	17.8
9 18	22 41.71	+ 0 56.3	1.577	2.560	6.0	17.9
9 28	22 34.16	− 0 18.5	1.610	2.548	10.0	18.1
10 8	22 28.70	− 1 27.0	1.667	2.536	13.8	18.3

390892 2004 YW_{27} 9 4.4 228°.60 1°.0/ 3.4 18

7 30	23 19.31	− 7 58.5	2.236	3.078	12.4	22.3
8 9	23 14.37	− 8 29.4	2.145	3.067	9.4	22.1
8 19	23 7.57	− 9 9.0	2.078	3.055	6.0	21.9
8 29	22 59.40	− 9 53.4	2.037	3.042	2.4	21.6
9 8	22 50.59	−10 37.8	2.026	3.029	2.1	21.6
9 18	22 41.97	−11 17.2	2.042	3.015	5.8	21.8
9 28	22 34.41	−11 47.4	2.087	3.001	9.4	22.0
10 8	22 28.57	−12 5.5	2.155	2.986	12.6	22.2

317396 2002 PX_{83} 9 4.4 16°.21 2°.9/ 2.4 18

7 30	23 12.25	− 8 56.4	0.949	1.854	20.0	19.4
8 9	23 10.55	− 9 49.8	0.905	1.860	15.1	19.2
8 19	23 5.75	−10 59.1	0.878	1.868	9.5	18.9
8 29	22 58.75	−12 14.6	0.872	1.878	4.0	18.6
9 8	22 51.00	−13 23.9	0.887	1.889	4.6	18.7
9 18	22 44.02	−14 16.4	0.923	1.902	9.9	19.1
9 28	22 39.21	−14 45.3	0.980	1.916	15.0	19.4
10 8	22 37.37	−14 48.6	1.055	1.932	19.4	19.7

443189 2014 DY_{39} 9 4.4 71°.43 2°.9/ 1.6 16

7 30	23 16.77	−10 59.2	1.703	2.571	14.4	21.4
8 9	23 12.75	−12 5.4	1.645	2.582	10.8	21.2
8 19	23 6.60	−13 20.3	1.610	2.593	6.8	21.0
8 29	22 58.99	−14 36.7	1.601	2.603	3.4	20.8
9 8	22 50.85	−15 46.5	1.618	2.614	4.1	20.9
9 18	22 43.19	−16 42.9	1.662	2.625	7.8	21.2
9 28	22 36.95	−17 21.2	1.730	2.636	11.5	21.4
10 8	22 32.81	−17 39.8	1.820	2.647	14.7	21.6

477017 2008 YZ_{159} 9 4.4 322°.59 2°.1/ 6.2 18

7 30	23 17.90	− 0 17.0	1.796	2.628	15.4	21.0
8 9	23 13.64	− 0 14.4	1.716	2.626	12.1	20.8
8 19	23 7.24	− 0 26.7	1.657	2.623	8.3	20.6
8 29	22 59.29	− 0 52.1	1.622	2.621	4.3	20.3
9 8	22 50.66	− 1 26.6	1.614	2.618	2.2	20.2
9 18	22 42.33	− 2 5.2	1.633	2.616	5.7	20.4
9 28	22 35.30	− 2 42.0	1.677	2.614	9.8	20.6
10 8	22 30.31	− 3 12.0	1.745	2.612	13.4	20.9

120712 1997 MH_9 9 4.4 9°.85 2°.1/ 6.4 18

7 30	23 15.20	+ 0 0.5	1.956	2.787	14.3	19.9
8 9	23 11.37	+ 0 2.7	1.881	2.789	11.3	19.7
8 19	23 5.66	− 0 9.0	1.826	2.791	7.8	19.5
8 29	22 58.63	− 0 32.8	1.796	2.793	4.0	19.3
9 8	22 51.05	− 1 5.0	1.793	2.796	2.2	19.2
9 18	22 43.78	− 1 41.1	1.816	2.800	5.2	19.4
9 28	22 37.66	− 2 15.9	1.866	2.804	8.9	19.6
10 8	22 33.35	− 2 44.9	1.940	2.808	12.2	19.8

300926 2008 CJ_{69} 9 4.4 287°.66 2°.5/ 2.5 16

7 30	23 22.78	−13 6.6	1.989	2.843	13.3	21.3
8 9	23 17.44	−13 20.5	1.886	2.814	10.2	21.1
8 19	23 9.80	−13 39.2	1.806	2.784	6.6	20.8
8 29	23 0.38	−13 58.0	1.752	2.755	3.2	20.5
9 8	22 50.02	−14 11.8	1.726	2.725	3.5	20.5
9 18	22 39.76	−14 16.1	1.728	2.695	7.3	20.7
9 28	22 30.70	−14 7.7	1.756	2.664	11.2	20.8
10 8	22 23.72	−13 45.3	1.807	2.634	14.8	21.0

445001 2008 GT_{106} 9 4.4 40°.01 1°.6/ 2.9 18

7 30	23 15.67	− 9 0.9	1.843	2.705	13.8	20.3
8 9	23 11.72	− 9 38.7	1.785	2.717	10.4	20.1
8 19	23 5.85	−10 25.2	1.749	2.730	6.5	19.9
8 29	22 58.67	−11 15.1	1.738	2.743	2.6	19.7
9 8	22 51.05	−12 2.5	1.754	2.756	2.7	19.7
9 18	22 43.87	−12 41.8	1.797	2.770	6.5	20.0
9 28	22 37.99	−13 8.9	1.866	2.784	10.1	20.2
10 8	22 34.01	−13 21.6	1.958	2.799	13.2	20.5

42040 2000 YS_{99} 9 4.4 16°.31 3°.0/ 7.1 18

7 30	23 17.25	+ 1 43.2	1.925	2.746	14.9	18.3
8 9	23 12.95	+ 2 3.5	1.849	2.749	11.9	18.2
8 19	23 6.69	+ 2 9.3	1.794	2.752	8.4	17.9
8 29	22 59.05	+ 2 1.5	1.764	2.756	4.9	17.7
9 8	22 50.82	+ 1 42.9	1.760	2.760	3.1	17.6
9 18	22 42.92	+ 1 17.4	1.783	2.765	5.5	17.8
9 28	22 36.24	+ 0 50.1	1.832	2.770	9.0	18.0
10 8	22 31.45	+ 0 25.6	1.905	2.775	12.3	18.3

446193 2013 FZ_{26} 9 4.4 115°.49 0°.0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.57	− 3 38.0	2.324	3.160	12.2	21.6
8 9	23 10.57	− 4 17.2	2.250	3.167	9.3	21.4
8 19	23 5.00	− 5 7.7	2.200	3.173	6.0	21.2
8 29	22 58.33	− 6 5.7	2.176	3.180	2.4	21.0
9 8	22 51.23	− 7 6.4	2.181	3.187	1.3	20.9
9 18	22 44.42	− 8 4.6	2.214	3.193	4.9	21.2
9 28	22 38.58	− 8 55.6	2.275	3.199	8.2	21.4
10 8	22 34.28	− 9 36.0	2.360	3.205	11.1	21.6

483855 2005 YA_{43} 9 4.4 304°.17 3°.8/ 8.1 17

7 30	23 15.53	+ 5 0.9	2.116	2.919	14.4	21.8
8 9	23 11.65	+ 5 15.7	2.021	2.906	11.7	21.6
8 19	23 5.90	+ 5 14.6	1.946	2.893	8.6	21.3
8 29	22 58.77	+ 4 57.9	1.896	2.880	5.5	21.1
9 8	22 50.96	+ 4 27.7	1.872	2.868	3.8	21.0
9 18	22 43.30	+ 3 47.9	1.875	2.855	5.5	21.1
9 28	22 36.65	+ 3 3.6	1.905	2.843	8.7	21.3
10 8	22 31.71	+ 2 20.5	1.960	2.831	11.9	21.4

249783 2000 WH_{137} 9 4.4 337°.67 0°.9/ 3.9 17

7 30	23 14.87	− 7 42.4	1.008	1.903	19.9	20.2
8 9	23 12.82	− 7 45.5	0.938	1.887	15.4	19.9
8 19	23 7.51	− 8 3.8	0.886	1.872	10.0	19.5
8 29	22 59.61	− 8 32.4	0.853	1.859	3.9	19.2
9 8	22 50.47	− 9 3.1	0.842	1.847	2.8	19.1
9 18	22 41.74	− 9 27.4	0.852	1.837	9.2	19.4
9 28	22 35.10	− 9 38.0	0.883	1.828	15.0	19.7
10 8	22 31.71	− 9 30.5	0.931	1.821	20.1	20.0

68546 2001 XF_{26} 9 4.4 146°.16 8°.3/12.6 18

7 30	23 24.48	+18 6.4	2.301	3.001	16.1	20.1
8 9	23 18.30	+19 10.7	2.219	3.011	14.1	19.9
8 19	23 10.10	+19 54.8	2.157	3.021	11.8	19.8
8 29	23 0.42	+20 15.8	2.117	3.031	9.7	19.7
9 8	22 50.07	+20 12.9	2.103	3.039	8.4	19.6
9 18	22 39.96	+19 47.8	2.115	3.047	8.5	19.6
9 28	22 31.03	+19 5.4	2.154	3.055	9.8	19.7
10 8	22 23.99	+18 12.3	2.218	3.061	11.8	19.9

318182 2004 RR_{62} 9 4.4 356°.07 0°.1/ 4.3 18

7 30	23 18.51	− 7 42.3	1.621	2.482	15.4	19.9
8 9	23 14.28	− 7 28.1	1.547	2.477	11.8	19.6
8 19	23 7.73	− 7 22.4	1.495	2.474	7.6	19.4
8 29	22 59.50	− 7 22.3	1.467	2.472	3.0	19.1
9 8	22 50.59	− 7 23.8	1.464	2.470	1.8	19.0
9 18	22 42.09	− 7 22.9	1.488	2.469	6.5	19.3
9 28	22 35.06	− 7 16.0	1.537	2.470	10.8	19.6
10 8	22 30.29	− 7 0.5	1.608	2.471	14.5	19.8

37915 1998 FK_{101} 9 4.4 80°.55 4°.6/ 9.2 18

7 30	23 16.41	+ 8 40.8	1.744	2.541	17.2	18.6
8 9	23 12.45	+ 8 30.1	1.677	2.555	14.0	18.5
8 19	23 6.41	+ 7 55.9	1.629	2.570	10.5	18.3
8 29	22 58.94	+ 6 59.6	1.604	2.584	6.9	18.1
9 8	22 50.92	+ 5 45.7	1.605	2.598	4.7	18.0
9 18	22 43.33	+ 4 21.1	1.632	2.612	6.1	18.1
9 28	22 37.10	+ 2 54.4	1.686	2.626	9.4	18.4
10 8	22 32.89	+ 1 33.5	1.763	2.640	12.7	18.6

361445 2007 BA_{40} 9 4.4 107°.12 1°.4/ 5.9 18

7 30	23 16.59	− 0 54.1	2.285	3.108	12.8	21.4
8 9	23 12.12	− 1 3.7	2.210	3.115	10.0	21.2
8 19	23 6.00	− 1 25.2	2.157	3.122	6.7	21.0
8 29	22 58.75	− 1 56.4	2.130	3.129	3.3	20.8
9 8	22 51.04	− 2 33.6	2.131	3.136	1.6	20.7
9 18	22 43.64	− 3 12.6	2.161	3.143	4.7	21.0
9 28	22 37.26	− 3 49.0	2.218	3.150	8.0	21.2
10 8	22 32.48	− 4 18.9	2.300	3.156	11.0	21.4

245299 2005 CK_{69} 9 4.4 231°.77 1°.0/ 5.4 18

7 30	23 17.32	− 1 54.2	2.006	2.839	14.0	21.3
8 9	23 13.02	− 2 14.3	1.921	2.833	10.9	21.1
8 19	23 6.78	− 2 48.2	1.857	2.827	7.2	20.8
8 29	22 59.13	− 3 33.0	1.819	2.820	3.3	20.6
9 8	22 50.82	− 4 24.0	1.808	2.814	1.5	20.4
9 18	22 42.76	− 5 15.8	1.825	2.807	5.4	20.7
9 28	22 35.83	− 6 2.7	1.869	2.800	9.3	20.9
10 8	22 30.74	− 6 40.1	1.937	2.792	12.7	21.1

345015 2005 EC_2 9 4.4 289°.38 0°.2/ 4.4 17

7 30	23 36.64	−11 15.9	1.107	1.970	20.9	20.2
8 9	23 29.51	−10 14.3	1.031	1.961	16.3	19.9
8 19	23 18.33	− 9 14.3	0.973	1.952	10.7	19.6
8 29	23 3.96	− 8 13.2	0.939	1.943	4.3	19.2
9 8	22 48.11	− 7 8.9	0.929	1.935	2.5	19.0
9 18	22 32.91	− 6 1.0	0.945	1.926	9.2	19.4
9 28	22 20.41	− 4 49.7	0.985	1.918	15.3	19.7
10 8	22 11.88	− 3 35.7	1.045	1.910	20.4	20.0

518685 2008 UU_{374} 9 4.4 217°.00 3°.6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.54	+ 5 2.6	2.123	2.920	14.5	22.1
8 9	23 13.89	+ 5 9.4	2.031	2.914	11.8	21.9
8 19	23 7.33	+ 4 59.9	1.961	2.908	8.6	21.7
8 29	22 59.35	+ 4 34.5	1.916	2.901	5.4	21.5
9 8	22 50.70	+ 3 55.9	1.897	2.894	3.6	21.3
9 18	22 42.26	+ 3 8.3	1.907	2.887	5.5	21.4
9 28	22 34.90	+ 2 17.4	1.944	2.879	8.7	21.6
10 8	22 29.31	+ 1 29.0	2.006	2.870	12.0	21.8

137370 1999 TA_{126} 9 4.4 357°.58 2°.5/ 3.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.71	−11 37.7	1.022	1.918	19.6	19.5
8 9	23 15.56	−11 37.1	0.964	1.914	15.0	19.2
8 19	23 9.10	−11 45.4	0.923	1.910	9.6	18.9
8 29	23 0.18	−11 56.0	0.903	1.908	4.1	18.6
9 8	22 50.27	−12 1.6	0.904	1.908	4.0	18.5
9 18	22 41.06	−11 55.8	0.928	1.909	9.5	18.9
9 28	22 34.12	−11 34.8	0.973	1.911	14.9	19.2
10 8	22 30.42	−10 57.7	1.036	1.915	19.5	19.5

98744 2000 YM_{46} 9 4.4 197°.59 1°.0/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.37	− 6 41.8	1.880	2.732	14.0	20.0
8 9	23 13.13	− 7 22.5	1.805	2.731	10.6	19.7
8 19	23 6.88	− 8 14.7	1.752	2.730	6.8	19.5
8 29	22 59.16	− 9 13.7	1.724	2.729	2.6	19.2
9 8	22 50.83	−10 13.0	1.724	2.728	2.2	19.2
9 18	22 42.82	−11 6.5	1.751	2.726	6.4	19.5
9 28	22 36.07	−11 48.8	1.804	2.724	10.3	19.7
10 8	22 31.26	−12 16.5	1.880	2.722	13.7	19.9

10503 1987 SG_{13} 9 4.4 299°.85 2°.9/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.62	−11 10.8	1.278	2.158	17.6	17.2
8 9	23 16.68	−11 40.2	1.203	2.144	13.5	16.9
8 19	23 9.73	−12 20.3	1.148	2.132	8.7	16.6
8 29	23 0.46	−13 4.1	1.114	2.119	3.9	16.3
9 8	22 50.08	−13 43.1	1.105	2.106	4.3	16.3
9 18	22 40.09	−14 9.4	1.121	2.094	9.3	16.6
9 28	22 31.98	−14 17.4	1.159	2.082	14.4	16.8
10 8	22 26.79	−14 5.4	1.216	2.071	18.8	17.1

504014 2005 JN_{92} 9 4.4 79°.44 4°.7/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.81	−15 45.9	1.415	2.290	16.5	21.1
8 9	23 18.38	−16 37.9	1.370	2.308	12.4	20.9
8 19	23 10.31	−17 33.5	1.346	2.326	8.2	20.7
8 29	23 0.49	−18 24.0	1.346	2.344	5.0	20.6
9 8	22 50.18	−19 1.2	1.371	2.362	5.9	20.7
9 18	22 40.69	−19 19.7	1.422	2.379	9.5	21.0
9 28	22 33.16	−19 17.2	1.497	2.397	13.3	21.2
10 8	22 28.29	−18 55.0	1.592	2.414	16.6	21.5

56077 1998 YD_{32} 9 4.4 274°.48 10°.8/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.10	−30 18.2	1.732	2.606	14.0	18.9
8 9	23 15.37	−32 59.5	1.664	2.581	12.0	18.7
8 19	23 8.89	−35 38.2	1.621	2.556	10.9	18.6
8 29	23 0.17	−38 0.4	1.602	2.531	11.3	18.5
9 8	22 50.24	−39 53.4	1.609	2.505	13.1	18.6
9 18	22 40.41	−41 8.9	1.637	2.479	15.6	18.7
9 28	22 32.11	−41 44.4	1.685	2.453	18.2	18.8
10 8	22 26.43	−41 42.6	1.748	2.426	20.5	19.0

269420 2009 SD_{107} 9 4.4 274°.02 2°.0/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.58	+ 6 33.4	4.467	5.238	7.8	20.3
8 9	23 4.66	+ 6 5.5	4.366	5.232	6.3	20.2
8 19	23 0.97	+ 5 28.1	4.289	5.226	4.6	20.1
8 29	22 56.72	+ 4 42.2	4.239	5.219	3.0	19.9
9 8	22 52.25	+ 3 49.8	4.219	5.213	2.0	19.8
9 18	22 47.87	+ 2 53.3	4.228	5.207	2.8	19.9
9 28	22 43.92	+ 1 55.5	4.267	5.201	4.4	20.0
10 8	22 40.69	+ 0 59.2	4.335	5.195	6.1	20.1

106451 2000 VX_{57} 9 4.4 253°.91 3°.9/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.29	−13 59.3	1.573	2.442	15.4	19.8
8 9	23 17.48	−14 46.1	1.493	2.429	11.8	19.5
8 19	23 10.02	−15 40.1	1.435	2.415	7.7	19.2
8 29	23 0.54	−16 34.1	1.401	2.401	4.3	19.0
9 8	22 50.11	−17 19.7	1.393	2.387	5.2	19.0
9 18	22 40.00	−17 50.0	1.411	2.373	9.2	19.2
9 28	22 31.50	−18 0.5	1.454	2.358	13.4	19.5
10 8	22 25.53	−17 50.2	1.517	2.343	17.2	19.7

255436 2005 XS_{83} 9 4.4 222°.72 5°.6/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.43	−26 53.2	3.030	3.884	9.2	21.4
8 9	23 12.61	−28 3.4	2.958	3.872	7.4	21.2
8 19	23 6.29	−29 10.5	2.911	3.861	6.0	21.1
8 29	22 58.91	−30 9.0	2.892	3.848	5.6	21.1
9 8	22 51.06	−30 54.3	2.902	3.836	6.5	21.1
9 18	22 43.39	−31 23.0	2.938	3.822	8.2	21.2
9 28	22 36.59	−31 33.6	2.999	3.809	10.0	21.3
10 8	22 31.19	−31 26.4	3.081	3.794	11.7	21.5

445453 2010 VT_5 9 4.4 336°.84 0°.0/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.85	− 3 27.0	1.593	2.456	15.5	20.6
8 9	23 8.62	− 4 8.2	1.509	2.440	12.0	20.4
8 19	23 4.24	− 5 6.9	1.446	2.425	7.8	20.1
8 29	22 58.22	− 6 18.7	1.406	2.411	3.1	19.8
9 8	22 51.42	− 7 36.5	1.392	2.398	1.8	19.6
9 18	22 44.84	− 8 52.0	1.403	2.386	6.7	19.9
9 28	22 39.54	− 9 57.1	1.440	2.374	11.2	20.2
10 8	22 36.32	−10 45.9	1.497	2.364	15.2	20.4

188593 2005 OF_6 9 4.4 315°.47 4°.2/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.69	−11 41.7	1.364	2.250	16.3	19.6
8 9	23 11.96	−13 1.1	1.291	2.237	12.3	19.3
8 19	23 6.60	−14 34.0	1.239	2.224	8.0	19.1
8 29	22 59.21	−16 11.0	1.210	2.212	4.4	18.8
9 8	22 50.88	−17 40.8	1.206	2.200	5.7	18.9
9 18	22 42.88	−18 53.1	1.226	2.189	10.1	19.1
9 28	22 36.50	−19 40.5	1.269	2.178	14.6	19.3
10 8	22 32.67	−20 0.5	1.331	2.168	18.5	19.6

523726 2014 MJ_{70} 9 4.4 358°.53 0°.4/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.62	−21 46.6	37.178	38.036	0.8	22.1
8 9	22 55.96	−21 52.7	37.107	38.033	0.6	22.1
8 19	22 55.21	−21 58.7	37.063	38.030	0.5	22.0
8 29	22 54.41	−22 4.3	37.046	38.027	0.4	22.0
9 8	22 53.60	−22 9.2	37.059	38.024	0.4	22.0
9 18	22 52.79	−22 13.4	37.099	38.021	0.6	22.1
9 28	22 52.03	−22 16.6	37.167	38.018	0.8	22.1
10 8	22 51.34	−22 18.8	37.259	38.015	1.0	22.1

403424 2009 SK_{116} 9 4.4 32°.88 0°.2/ 4.3 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.48	− 6 53.3	2.042	2.888	13.3	21.2
8 9	23 13.76	− 6 56.3	1.970	2.892	10.1	21.0
8 19	23 7.16	− 7 7.7	1.922	2.898	6.5	20.8
8 29	22 59.28	− 7 24.2	1.899	2.903	2.6	20.6
9 8	22 50.91	− 7 42.1	1.903	2.909	1.5	20.5
9 18	22 42.90	− 7 57.4	1.936	2.915	5.5	20.8
9 28	22 36.10	− 8 6.7	1.995	2.921	9.1	21.0
10 8	22 31.12	− 8 7.4	2.078	2.927	12.3	21.3

304398 2006 TH_8 9 4.5 284°.86 0°.5/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.69	− 3 10.6	2.011	2.852	13.7	21.6
8 9	23 11.79	− 3 35.7	1.929	2.846	10.6	21.4
8 19	23 6.01	− 4 13.8	1.868	2.841	6.9	21.1
8 29	22 58.87	− 5 1.6	1.833	2.836	2.9	20.9
9 8	22 51.12	− 5 54.1	1.824	2.830	1.4	20.8
9 18	22 43.62	− 6 45.8	1.844	2.825	5.4	21.0
9 28	22 37.24	− 7 31.2	1.890	2.820	9.3	21.3
10 8	22 32.63	− 8 6.1	1.960	2.815	12.7	21.5

278510 2008 CT_{18} 9 4.5 61°.96 1°.4/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.30	− 8 31.2	1.996	2.852	13.2	20.7
8 9	23 12.14	− 9 8.9	1.931	2.860	9.9	20.6
8 19	23 6.15	− 9 55.2	1.888	2.867	6.3	20.4
8 29	22 58.88	−10 45.6	1.871	2.875	2.5	20.1
9 8	22 51.14	−11 34.2	1.881	2.883	2.4	20.1
9 18	22 43.77	−12 15.9	1.919	2.892	6.1	20.4
9 28	22 37.60	−12 46.4	1.983	2.900	9.7	20.6
10 8	22 33.23	−13 3.2	2.070	2.908	12.7	20.9

260208 2004 RX_{196} 9 4.5 351°.91 4°.1/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.38	+ 6 14.9	2.102	2.900	14.6	20.1
8 9	23 11.48	+ 6 28.3	2.018	2.899	11.9	20.0
8 19	23 5.78	+ 6 24.9	1.955	2.897	8.9	19.8
8 29	22 58.77	+ 6 5.0	1.915	2.896	5.8	19.6
9 8	22 51.18	+ 5 30.8	1.902	2.895	4.1	19.5
9 18	22 43.83	+ 4 46.6	1.916	2.895	5.5	19.6
9 28	22 37.53	+ 3 57.8	1.957	2.894	8.5	19.8
10 8	22 32.94	+ 3 10.1	2.022	2.894	11.6	19.9

202147 2004 TC_{311} 9 4.5 239°.29 7°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.60	+15 17.8	2.029	2.773	16.7	20.6
8 9	23 13.43	+15 47.6	1.934	2.764	14.5	20.5
8 19	23 7.20	+15 54.9	1.856	2.754	11.8	20.3
8 29	22 59.40	+15 37.3	1.801	2.745	9.3	20.1
9 8	22 50.82	+14 55.4	1.770	2.735	7.6	20.0
9 18	22 42.37	+13 52.5	1.765	2.724	7.8	20.0
9 28	22 35.04	+12 35.1	1.786	2.713	9.9	20.1
10 8	22 29.61	+11 11.5	1.831	2.702	12.6	20.2

144997 2005 EH_{196} 9 4.5 12°.56 3°.3/ 7.2 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.02	+ 4 7.6	1.136	1.994	20.8	19.4
8 9	23 10.11	+ 3 40.5	1.074	1.996	16.6	19.1
8 19	23 5.45	+ 2 43.2	1.030	1.999	11.7	18.9
8 29	22 58.75	+ 1 19.1	1.005	2.003	6.4	18.6
9 8	22 51.21	− 0 23.2	1.003	2.008	3.3	18.4
9 18	22 44.18	− 2 11.4	1.025	2.014	7.2	18.7
9 28	22 38.96	− 3 52.5	1.070	2.020	12.4	19.0
10 8	22 36.44	− 5 16.2	1.135	2.028	17.0	19.3

28432 1999 XY_{168} 9 4.5 232°.19 6°.2/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.24	+12 11.4	2.145	2.902	15.6	18.2
8 9	23 13.76	+12 41.2	2.050	2.895	13.2	18.0
8 19	23 7.33	+12 51.6	1.975	2.887	10.5	17.8
8 29	22 59.44	+12 40.9	1.923	2.879	7.9	17.7
9 8	22 50.82	+12 10.3	1.896	2.870	6.3	17.6
9 18	22 42.36	+11 22.7	1.897	2.862	6.9	17.6
9 28	22 34.95	+10 23.8	1.924	2.853	9.2	17.7
10 8	22 29.33	+ 9 20.6	1.975	2.843	12.0	17.9

392777 2012 TO_{104} 9 4.5 232°.36 4°.2/ 9.2 18

7 30	23 16.22	+ 8 59.2	2.221	2.998	14.5	21.9
8 9	23 12.14	+ 8 45.0	2.121	2.987	12.0	21.7
8 19	23 6.24	+ 8 10.9	2.041	2.975	9.1	21.5
8 29	22 58.99	+ 7 17.1	1.986	2.962	6.1	21.3
9 8	22 51.08	+ 6 6.6	1.958	2.949	4.2	21.2
9 18	22 43.29	+ 4 44.7	1.958	2.936	5.5	21.2
9 28	22 36.49	+ 3 18.1	1.985	2.922	8.5	21.4
10 8	22 31.34	+ 1 54.1	2.039	2.907	11.7	21.6

516071 2015 TH_{254} 9 4.5 14°.85 5°.7/29.9 18

7 30	23 17.83	−21 50.3	1.978	2.850	12.6	20.5
8 9	23 13.42	−22 43.3	1.920	2.852	9.7	20.3
8 19	23 7.02	−23 34.6	1.885	2.855	7.1	20.2
8 29	22 59.25	−24 17.5	1.875	2.858	5.7	20.1
9 8	22 50.98	−24 45.8	1.892	2.861	6.7	20.2
9 18	22 43.17	−24 55.6	1.934	2.865	9.2	20.3
9 28	22 36.69	−24 45.4	2.000	2.869	12.0	20.5
10 8	22 32.19	−24 16.3	2.088	2.873	14.5	20.7

150563 2000 ST_{276} 9 4.5 92°.53 1°.7/ 5.8 18

7 30	23 23.76	− 1 29.4	1.804	2.630	15.6	18.9
8 9	23 17.81	− 1 24.4	1.746	2.653	12.1	18.8
8 19	23 9.77	− 1 32.9	1.709	2.675	8.1	18.6
8 29	23 0.31	− 1 52.4	1.698	2.697	3.9	18.4
9 8	22 50.42	− 2 18.7	1.714	2.719	2.0	18.3
9 18	22 41.11	− 2 47.2	1.758	2.740	5.6	18.6
9 28	22 33.30	− 3 12.9	1.829	2.760	9.4	18.8
10 8	22 27.65	− 3 31.9	1.924	2.781	12.8	19.1

141729 2002 LN_{23} 9 4.5 26°.79 22°.7/ 4.6 18

7 30	23 24.12	+38 38.3	1.305	1.917	29.7	18.4
8 9	23 20.41	+42 6.0	1.262	1.928	28.4	18.3
8 19	23 12.86	+44 53.7	1.229	1.940	27.0	18.2
8 29	23 2.01	+46 49.4	1.206	1.953	25.6	18.1
9 8	22 49.31	+47 44.8	1.195	1.967	24.3	18.1
9 18	22 36.82	+47 37.5	1.195	1.983	23.4	18.1
9 28	22 26.75	+46 33.1	1.208	1.999	22.8	18.1
10 8	22 20.65	+44 44.6	1.235	2.016	22.8	18.2

395052 2009 EO_{1} 9 4.5 212°.72 1°.5/ 6.5 18 R

7 30	23 15.66	+ 2 22.2	2.697	3.498	11.7	22.4
8 9	23 11.34	+ 1 38.2	2.598	3.490	9.2	22.2
8 19	23 5.54	+ 0 39.9	2.523	3.480	6.3	22.0
8 29	22 58.67	− 0 30.6	2.474	3.470	3.3	21.8
9 8	22 51.29	− 1 48.9	2.455	3.459	1.6	21.7
9 18	22 44.05	− 3 10.2	2.466	3.448	4.2	21.8
9 28	22 37.60	− 4 28.7	2.507	3.436	7.4	22.0
10 8	22 32.50	− 5 39.8	2.574	3.423	10.2	22.2

418059 2007 VB_{164} 9 4.5 174°.37 0°.8/ 5.2 15

7 30	23 21.14	− 2 20.6	1.695	2.533	15.9	22.4
8 9	23 16.24	− 2 43.0	1.620	2.535	12.4	22.2
8 19	23 9.02	− 3 20.9	1.566	2.537	8.2	22.0
8 29	23 0.12	− 4 10.8	1.536	2.538	3.6	21.7
9 8	22 50.51	− 5 6.8	1.533	2.539	1.6	21.6
9 18	22 41.27	− 6 2.1	1.558	2.539	6.2	21.9
9 28	22 33.49	− 6 50.4	1.609	2.539	10.6	22.1
10 8	22 27.95	− 7 26.7	1.683	2.538	14.3	22.4

507818 2014 DQ_{78} 9 4.5 239°.02 4°.3/31.5 18

7 30	23 23.24	−18 18.5	2.162	3.018	12.3	22.1
8 9	23 17.54	−18 58.9	2.077	3.003	9.4	21.9
8 19	23 9.74	−19 40.8	2.015	2.988	6.5	21.7
8 29	23 0.40	−20 18.3	1.980	2.972	4.4	21.5
9 8	22 50.37	−20 45.5	1.973	2.956	5.2	21.6
9 18	22 40.60	−20 57.9	1.994	2.939	8.1	21.7
9 28	22 32.05	−20 53.2	2.042	2.922	11.3	21.9
10 8	22 25.47	−20 31.4	2.112	2.904	14.1	22.0

283251 2011 EY_{29} 9 4.5 279°.60 2°.7/31.9 18

7 30	23 13.72	−13 11.1	2.497	3.357	10.7	20.2
8 9	23 10.02	−14 8.9	2.412	3.344	8.1	20.0
8 19	23 4.77	−15 12.5	2.351	3.331	5.2	19.8
8 29	22 58.38	−16 16.8	2.318	3.318	2.9	19.6
9 8	22 51.48	−17 16.3	2.313	3.305	3.7	19.7
9 18	22 44.75	−18 6.4	2.336	3.291	6.4	19.8
9 28	22 38.89	−18 43.0	2.385	3.278	9.3	20.0
10 8	22 34.48	−19 4.4	2.458	3.265	12.0	20.1

287839 2003 SY_{218} 9 4.5 359°.82 5°.4/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.93	+ 8 28.6	1.529	2.351	18.1	18.7
8 9	23 7.19	+ 8 35.0	1.455	2.347	15.0	18.5
8 19	23 3.32	+ 8 16.1	1.398	2.344	11.4	18.3
8 29	22 57.88	+ 7 32.0	1.363	2.343	7.7	18.1
9 8	22 51.76	+ 6 26.5	1.351	2.344	5.4	17.9
9 18	22 45.94	+ 5 6.6	1.363	2.346	6.7	18.0
9 28	22 41.44	+ 3 41.4	1.400	2.350	10.1	18.2
10 8	22 39.01	+ 2 20.3	1.459	2.355	13.7	18.5

436120 2009 TL_{22} 9 4.5 247°.56 3°.3/ 7.0 17

7 30	23 20.67	+ 2 14.6	1.786	2.604	16.0	21.2
8 9	23 15.95	+ 2 29.0	1.696	2.594	12.9	21.0
8 19	23 8.92	+ 2 27.1	1.626	2.583	9.2	20.7
8 29	23 0.15	+ 2 9.4	1.580	2.572	5.3	20.5
9 8	22 50.50	+ 1 38.9	1.560	2.561	3.3	20.3
9 18	22 41.06	+ 1 0.3	1.567	2.549	6.1	20.5
9 28	22 32.90	+ 0 19.6	1.600	2.537	10.1	20.7
10 8	22 26.90	− 0 17.1	1.657	2.525	13.9	20.9

450012 2015 PH_{308} 9 4.5 309°.28 8°.5/12.1 17

7 30	23 17.85	+15 49.6	1.979	2.721	17.2	20.5
8 9	23 13.72	+16 51.1	1.886	2.711	15.0	20.3
8 19	23 7.47	+17 31.8	1.812	2.701	12.5	20.1
8 29	22 59.57	+17 48.1	1.759	2.692	10.2	19.9
9 8	22 50.82	+17 39.3	1.729	2.683	8.7	19.8
9 18	22 42.19	+17 7.1	1.725	2.673	8.8	19.8
9 28	22 34.69	+16 16.7	1.745	2.665	10.6	19.9
10 8	22 29.15	+15 15.8	1.789	2.656	13.1	20.0

277354 2005 TK_{110} 9 4.5 296°.23 3°.2/ 7.2 17

7 30	23 15.94	+ 3 21.9	1.547	2.379	17.5	21.2
8 9	23 12.63	+ 3 12.7	1.462	2.368	14.0	21.0
8 19	23 6.92	+ 2 41.7	1.396	2.357	10.0	20.7
8 29	22 59.38	+ 1 50.1	1.353	2.347	5.7	20.5
9 8	22 50.94	+ 0 42.7	1.334	2.337	3.2	20.3
9 18	22 42.73	− 0 33.0	1.342	2.327	6.4	20.5
9 28	22 35.93	− 1 48.1	1.374	2.317	10.9	20.7
10 8	22 31.41	− 2 54.3	1.428	2.307	15.1	20.9

76803 2000 PK_{30} 9 4.5 68°.59 0°.5/27.9 08 C

7 30	22 56.98	−25 38.1	36.778	37.634	0.8	23.1
8 9	22 56.24	−25 45.9	36.719	37.638	0.7	23.1
8 19	22 55.42	−25 53.3	36.686	37.641	0.5	23.1
8 29	22 54.54	−26 0.2	36.681	37.645	0.5	23.1
9 8	22 53.65	−26 6.3	36.704	37.648	0.5	23.1
9 18	22 52.76	−26 11.4	36.754	37.652	0.7	23.1
9 28	22 51.92	−26 15.3	36.832	37.655	0.9	23.2
10 8	22 51.15	−26 18.1	36.933	37.659	1.1	23.2

94583 2001 VG_{47} 9 4.5 331°.58 3°.9/ 6.6 18 R

7 30	23 12.84	− 0 7.2	0.966	1.848	21.7	18.5
8 9	23 11.53	+ 0 29.5	0.889	1.826	17.5	18.2
8 19	23 6.93	+ 0 44.7	0.828	1.805	12.5	17.8
8 29	22 59.60	+ 0 37.4	0.785	1.785	6.9	17.4
9 8	22 50.77	+ 0 11.0	0.762	1.766	4.0	17.2
9 18	22 42.11	− 0 27.3	0.760	1.750	8.6	17.4
9 28	22 35.46	− 1 7.4	0.778	1.735	14.6	17.7
10 8	22 32.15	− 1 39.6	0.813	1.722	20.1	17.9

150596 2000 WE_{136} 9 4.5 208°.19 4°.3/ 9.2 18

7 30	23 15.44	+ 8 16.7	2.326	3.106	13.9	20.2
8 9	23 11.39	+ 8 22.2	2.238	3.105	11.4	20.0
8 19	23 5.68	+ 8 10.6	2.171	3.103	8.7	19.8
8 29	22 58.77	+ 7 42.2	2.127	3.102	5.9	19.7
9 8	22 51.31	+ 6 59.4	2.111	3.100	4.3	19.6
9 18	22 44.06	+ 6 5.9	2.122	3.098	5.3	19.6
9 28	22 37.77	+ 5 7.3	2.161	3.096	8.0	19.8
10 8	22 33.04	+ 4 9.2	2.225	3.094	10.8	20.0

447079 2004 TV_{22} 9 4.5 343°.98 2°.2/ 6.7 15

7 30	23 13.60	+ 1 18.0	1.882	2.713	14.8	21.3
8 9	23 10.35	+ 1 8.4	1.800	2.708	11.7	21.1
8 19	23 5.18	+ 0 42.2	1.738	2.702	8.2	20.8
8 29	22 58.60	+ 0 1.7	1.700	2.697	4.4	20.6
9 8	22 51.40	− 0 49.1	1.689	2.693	2.3	20.4
9 18	22 44.44	− 1 44.6	1.704	2.689	5.4	20.6
9 28	22 38.62	− 2 38.3	1.745	2.685	9.2	20.9
10 8	22 34.63	− 3 24.7	1.810	2.682	12.7	21.1

225692 2001 QJ_{146} 9 4.5 27°.83 0°.3/ 4.7 17

7 30	23 16.78	− 4 15.1	1.151	2.027	19.3	19.9
8 9	23 13.58	− 4 30.9	1.100	2.037	14.8	19.7
8 19	23 7.56	− 5 4.5	1.068	2.049	9.6	19.4
8 29	22 59.58	− 5 50.7	1.057	2.062	3.9	19.2
9 8	22 50.91	− 6 41.3	1.070	2.076	2.0	19.1
9 18	22 42.96	− 7 27.9	1.106	2.091	7.5	19.5
9 28	22 36.97	− 8 3.2	1.166	2.107	12.6	19.8
10 8	22 33.73	− 8 22.6	1.245	2.123	16.8	20.1

487993 2015 TE_{335} 9 4.5 264°.46 2°.2/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.57	−10 31.3	2.449	3.305	11.0	21.9
8 9	23 9.94	−11 35.5	2.363	3.294	8.3	21.7
8 19	23 4.74	−12 47.5	2.302	3.282	5.3	21.5
8 29	22 58.39	−14 2.6	2.268	3.271	2.5	21.3
9 8	22 51.52	−15 14.9	2.263	3.259	3.2	21.4
9 18	22 44.81	−16 18.8	2.286	3.247	6.2	21.5
9 28	22 38.99	−17 10.0	2.336	3.235	9.2	21.7
10 8	22 34.62	−17 45.9	2.410	3.223	11.9	21.9

65409 2002 RM_{212} 9 4.5 324°.37 7°.3/27.9 18

7 30	23 19.46	−28 10.7	2.162	3.026	12.0	18.7
8 9	23 14.69	−29 4.1	2.096	3.015	9.8	18.5
8 19	23 7.88	−29 51.6	2.053	3.005	7.9	18.4
8 29	22 59.65	−30 26.3	2.036	2.995	7.3	18.4
9 8	22 50.87	−30 42.4	2.044	2.986	8.3	18.4
9 18	22 42.48	−30 36.7	2.077	2.977	10.3	18.5
9 28	22 35.40	−30 8.4	2.133	2.968	12.7	18.7
10 8	22 30.30	−29 19.7	2.210	2.959	14.9	18.8

397651 2007 YV_{8} 9 4.5 153°.42 0°.7/ 5.2 18

7 30	23 18.64	− 3 11.9	2.352	3.178	12.4	21.3
8 9	23 13.69	− 3 22.9	2.274	3.183	9.6	21.1
8 19	23 7.07	− 3 44.1	2.220	3.189	6.3	20.9
8 29	22 59.30	− 4 13.0	2.192	3.193	2.8	20.7
9 8	22 51.07	− 4 45.8	2.192	3.198	1.3	20.6
9 18	22 43.12	− 5 18.6	2.221	3.202	4.7	20.9
9 28	22 36.21	− 5 47.3	2.279	3.206	8.1	21.1
10 8	22 30.89	− 6 8.9	2.361	3.209	11.0	21.3

168672 2000 EV_{181} 9 4.5 218°.50 3°.8/31.6 18

7 30	23 20.43	−17 2.6	2.281	3.138	11.7	20.8
8 9	23 15.23	−17 47.4	2.202	3.131	8.9	20.6
8 19	23 8.17	−18 34.6	2.148	3.123	6.0	20.4
8 29	22 59.77	−19 18.5	2.120	3.115	3.9	20.3
9 8	22 50.80	−19 53.7	2.121	3.106	4.7	20.3
9 18	22 42.12	−20 15.9	2.150	3.097	7.5	20.5
9 28	22 34.56	−20 22.4	2.205	3.087	10.4	20.6
10 8	22 28.78	−20 12.9	2.283	3.077	13.1	20.8

10328 1991 GC_{1} 9 4.5 75°.57 5°.5/31.8 18 R

7 30	23 27.99	−20 11.8	1.579	2.445	15.5	17.7
8 9	23 21.27	−20 44.7	1.537	2.467	11.9	17.5
8 19	23 12.04	−21 15.4	1.517	2.490	8.2	17.4
8 29	23 1.24	−21 36.5	1.521	2.512	5.7	17.3
9 8	22 50.09	−21 41.8	1.552	2.535	6.5	17.4
9 18	22 39.86	−21 28.5	1.610	2.557	9.5	17.6
9 28	22 31.60	−20 56.4	1.691	2.578	12.8	17.9
10 8	22 25.96	−20 7.9	1.795	2.600	15.7	18.1

509763 2008 UW_{31} 9 4.5 240°.01 7°.5/28.3 18

7 30	23 22.91	−26 17.7	1.963	2.826	13.0	21.6
8 9	23 17.53	−27 25.4	1.895	2.817	10.5	21.4
8 19	23 9.84	−28 28.9	1.851	2.808	8.3	21.3
8 29	23 0.48	−29 19.9	1.832	2.798	7.5	21.2
9 8	22 50.43	−29 51.2	1.839	2.787	8.6	21.2
9 18	22 40.79	−29 58.4	1.871	2.777	11.0	21.4
9 28	22 32.63	−29 40.5	1.927	2.766	13.6	21.5
10 8	22 26.72	−28 59.7	2.003	2.755	16.1	21.7

387116 2012 TF_{167} 9 4.5 334°.49 0°.7/ 5.1 18

7 30	23 12.13	− 0 46.2	1.438	2.297	17.1	20.3
8 9	23 9.83	− 1 33.8	1.360	2.287	13.4	20.0
8 19	23 5.15	− 2 43.7	1.301	2.278	8.9	19.8
8 29	22 58.69	− 4 11.5	1.266	2.269	3.9	19.4
9 8	22 51.38	− 5 48.7	1.255	2.261	1.7	19.3
9 18	22 44.37	− 7 25.2	1.270	2.254	6.9	19.6
9 28	22 38.78	− 8 50.9	1.309	2.247	11.7	19.9
10 8	22 35.50	− 9 58.5	1.369	2.241	16.0	20.1

80899 2000 DO_{54} 9 4.5 26°.84 0°.3/ 4.8 18

7 30	23 14.95	− 1 52.7	1.342	2.204	17.9	18.8
8 9	23 11.98	− 2 39.6	1.278	2.208	13.8	18.5
8 19	23 6.49	− 3 47.3	1.235	2.213	9.0	18.3
8 29	22 59.18	− 5 10.3	1.214	2.218	3.7	18.0
9 8	22 51.15	− 6 39.5	1.218	2.224	1.8	17.9
9 18	22 43.59	− 8 4.8	1.247	2.230	7.1	18.2
9 28	22 37.68	− 9 17.1	1.300	2.237	12.0	18.5
10 8	22 34.22	−10 10.2	1.374	2.244	16.1	18.8

405792 2006 AC_{73} 9 4.5 155°.73 2°.1/ 6.8 18

7 30	23 16.52	+ 1 13.1	2.473	3.282	12.3	21.4
8 9	23 12.05	+ 1 14.3	2.389	3.284	9.8	21.2
8 19	23 6.02	+ 1 3.5	2.329	3.286	6.8	21.0
8 29	22 58.90	+ 0 42.2	2.294	3.287	3.8	20.8
9 8	22 51.30	+ 0 13.2	2.287	3.289	2.2	20.7
9 18	22 43.94	− 0 20.1	2.308	3.290	4.5	20.9
9 28	22 37.50	− 0 53.5	2.358	3.291	7.5	21.1
10 8	22 32.54	− 1 23.1	2.433	3.292	10.3	21.3

37462 6293 $P–L$ 9 4.5 33°.21 0°.6/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.48	− 3 13.7	1.449	2.306	17.1	18.8
8 9	23 13.72	− 3 32.5	1.386	2.312	13.2	18.6
8 19	23 7.51	− 4 7.7	1.342	2.318	8.7	18.4
8 29	22 59.57	− 4 55.0	1.321	2.325	3.7	18.1
9 8	22 50.95	− 5 47.8	1.326	2.332	1.7	18.0
9 18	22 42.82	− 6 38.7	1.356	2.339	6.6	18.3
9 28	22 36.30	− 7 21.0	1.411	2.347	11.2	18.6
10 8	22 32.17	− 7 49.8	1.487	2.355	15.2	18.9

472676 2015 EV_{24} 9 4.5 198°.06 1°.9/ 2.7 17

7 30	23 17.84	− 7 28.1	1.628	2.489	15.3	21.4
8 9	23 13.87	− 8 32.5	1.556	2.488	11.6	21.1
8 19	23 7.59	− 9 50.8	1.506	2.487	7.4	20.9
8 29	22 59.62	−11 16.3	1.480	2.485	3.0	20.6
9 8	22 50.91	−12 40.2	1.482	2.483	3.2	20.6
9 18	22 42.57	−13 54.0	1.510	2.481	7.6	20.9
9 28	22 35.67	−14 51.1	1.563	2.479	11.8	21.2
10 8	22 30.99	−15 28.0	1.638	2.477	15.5	21.4

96280 1995 WZ_{31} 9 4.5 84°.33 2°.5/ 6.8 18

7 30	23 19.01	+ 1 50.4	1.878	2.697	15.3	19.7
8 9	23 14.27	+ 1 46.8	1.814	2.714	12.1	19.5
8 19	23 7.57	+ 1 27.0	1.771	2.730	8.4	19.3
8 29	22 59.52	+ 0 53.3	1.752	2.747	4.6	19.1
9 8	22 51.00	+ 0 9.8	1.761	2.763	2.6	19.0
9 18	22 42.91	− 0 38.1	1.796	2.779	5.4	19.2
9 28	22 36.15	− 1 24.5	1.859	2.795	9.0	19.5
10 8	22 31.33	− 2 4.4	1.946	2.811	12.3	19.7

312620 2009 SA_{252} 9 4.5 279°.87 1°.4/ 7.3 15

7 30	23 8.71	+ 2 14.2	4.508	5.301	7.4	21.6
8 9	23 5.54	+ 2 5.0	4.410	5.294	5.9	21.5
8 19	23 1.58	+ 1 48.6	4.336	5.286	4.2	21.4
8 29	22 57.07	+ 1 25.9	4.289	5.279	2.4	21.2
9 8	22 52.32	+ 0 58.5	4.271	5.272	1.4	21.2
9 18	22 47.66	+ 0 28.3	4.284	5.264	2.6	21.2
9 28	22 43.43	− 0 2.4	4.325	5.257	4.4	21.4
10 8	22 39.92	− 0 31.6	4.394	5.250	6.2	21.5

479789 2014 EO_{48} 9 4.5 248°.67 8°.2/29.4 18

7 30	23 29.64	−29 18.8	1.890	2.742	13.9	20.6
8 9	23 22.64	−29 57.7	1.825	2.737	11.4	20.4
8 19	23 13.07	−30 27.9	1.783	2.731	9.2	20.3
8 29	23 1.74	−30 41.3	1.766	2.726	8.2	20.2
9 8	22 49.81	−30 31.8	1.775	2.721	9.1	20.2
9 18	22 38.55	−29 56.7	1.810	2.715	11.3	20.4
9 28	22 29.09	−28 57.4	1.869	2.709	13.9	20.5
10 8	22 22.21	−27 37.8	1.949	2.704	16.4	20.7

365207 2009 HL_{4} 9 4.5 24°.57 2°.5/ 2.6 17

7 30	23 13.13	− 7 2.3	0.983	1.881	20.1	19.7
8 9	23 11.20	− 8 11.9	0.939	1.890	15.1	19.5
8 19	23 6.23	− 9 40.7	0.912	1.901	9.5	19.2
8 29	22 59.11	−11 18.0	0.907	1.913	3.8	19.0
9 8	22 51.26	−12 50.3	0.923	1.926	4.2	19.0
9 18	22 44.17	−14 5.6	0.962	1.940	9.7	19.4
9 28	22 39.18	−14 55.8	1.022	1.956	14.8	19.7
10 8	22 37.12	−15 18.2	1.100	1.972	19.1	20.1

224734 2006 CG_{31} 9 4.5 78°.52 1°.7/ 6.4 18

7 30	23 15.20	+ 0 19.0	2.374	3.192	12.5	20.6
8 9	23 11.12	+ 0 9.2	2.292	3.193	9.8	20.5
8 19	23 5.47	− 0 13.0	2.233	3.195	6.7	20.3
8 29	22 58.70	− 0 45.6	2.199	3.196	3.5	20.1
9 8	22 51.46	− 1 25.4	2.193	3.198	1.8	20.0
9 18	22 44.46	− 2 8.0	2.216	3.199	4.5	20.1
9 28	22 38.40	− 2 49.0	2.267	3.200	7.7	20.4
10 8	22 33.84	− 3 24.4	2.342	3.202	10.7	20.5

307354 2002 RV_{198} 9 4.5 34°.75 0°.8/ 3.9 17

7 30	23 17.66	− 5 7.8	0.954	1.843	21.3	20.2
8 9	23 14.77	− 5 43.4	0.907	1.852	16.3	19.9
8 19	23 8.60	− 6 39.8	0.876	1.862	10.4	19.6
8 29	23 0.08	− 7 49.3	0.866	1.872	4.0	19.3
9 8	22 50.74	− 9 0.4	0.878	1.884	2.7	19.3
9 18	22 42.24	−10 2.0	0.912	1.896	8.9	19.7
9 28	22 36.04	−10 45.3	0.968	1.909	14.5	20.0
10 8	22 33.05	−11 6.1	1.041	1.922	19.2	20.4

235747 2004 TY_{332} 9 4.5 294°.26 2°.4/ 2.6 18

7 30	23 18.73	−10 40.0	1.646	2.512	14.9	21.1
8 9	23 14.65	−11 13.9	1.564	2.499	11.4	20.9
8 19	23 8.17	−11 57.0	1.505	2.486	7.3	20.6
8 29	22 59.90	−12 43.8	1.470	2.474	3.2	20.3
9 8	22 50.79	−13 27.3	1.461	2.461	3.5	20.3
9 18	22 41.97	−14 0.9	1.478	2.449	7.8	20.5
9 28	22 34.57	−14 19.8	1.519	2.436	12.0	20.8
10 8	22 29.45	−14 21.6	1.583	2.424	15.8	21.0

481730 2008 FJ_{100} 9 4.5 199°.97 1°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.28	− 0 11.2	2.413	3.234	12.3	22.0
8 9	23 10.44	− 0 51.1	2.327	3.232	9.5	21.8
8 19	23 5.05	− 1 44.7	2.264	3.230	6.4	21.6
8 29	22 58.54	− 2 49.0	2.227	3.228	3.0	21.4
9 8	22 51.55	− 3 59.3	2.219	3.225	1.3	21.3
9 18	22 44.77	− 5 10.4	2.240	3.222	4.6	21.5
9 28	22 38.88	− 6 16.7	2.290	3.219	7.9	21.7
10 8	22 34.46	− 7 13.7	2.364	3.216	10.9	21.9

66078 1998 RW_{53} 9 4.5 119°.08 0°.4/ 4.8 18

7 30	23 20.42	− 5 38.1	2.390	3.220	12.1	18.8
8 9	23 15.01	− 5 32.0	2.313	3.225	9.3	18.6
8 19	23 7.91	− 5 33.3	2.259	3.230	6.1	18.4
8 29	22 59.67	− 5 40.0	2.231	3.234	2.5	18.2
9 8	22 50.97	− 5 49.1	2.233	3.239	1.2	18.1
9 18	22 42.57	− 5 57.6	2.264	3.243	4.8	18.3
9 28	22 35.24	− 6 2.4	2.323	3.248	8.1	18.6
10 8	22 29.53	− 6 1.4	2.407	3.252	10.9	18.8

72656 2001 FL_{46} 9 4.5 155°.38 1°.8/ 2.6 18

7 30	23 19.84	−10 38.5	2.372	3.217	11.7	20.5
8 9	23 14.59	−11 16.1	2.302	3.225	8.8	20.4
8 19	23 7.65	−11 59.6	2.255	3.233	5.6	20.2
8 29	22 59.56	−12 44.7	2.236	3.240	2.5	20.0
9 8	22 51.03	−13 26.5	2.246	3.246	2.7	20.0
9 18	22 42.84	−14 0.7	2.286	3.252	5.8	20.2
9 28	22 35.72	−14 24.1	2.352	3.257	8.9	20.4
10 8	22 30.24	−14 35.0	2.443	3.261	11.7	20.6

291156 2005 YS_{286} 9 4.5 300°.31 1°.0/ 5.5 18

7 30	23 16.32	− 2 41.5	2.141	2.975	13.2	20.8
8 9	23 12.26	− 2 46.9	2.050	2.962	10.3	20.6
8 19	23 6.37	− 3 3.7	1.980	2.950	6.9	20.3
8 29	22 59.13	− 3 29.9	1.936	2.937	3.2	20.1
9 8	22 51.26	− 4 1.7	1.919	2.925	1.4	19.9
9 18	22 43.57	− 4 34.8	1.931	2.913	5.1	20.2
9 28	22 36.89	− 5 4.6	1.969	2.901	8.8	20.4
10 8	22 31.92	− 5 27.3	2.031	2.889	12.1	20.6

105625 2000 SG_{4} 9 4.5 320°.29 0°.8/ 5.1 18 R

7 30	23 12.18	− 1 19.1	1.143	2.018	19.5	19.5
8 9	23 10.57	− 1 52.2	1.062	1.998	15.4	19.2
8 19	23 6.07	− 2 51.3	0.998	1.978	10.3	18.8
8 29	22 59.23	− 4 12.6	0.955	1.959	4.5	18.5
9 8	22 51.16	− 5 47.3	0.935	1.941	2.0	18.2
9 18	22 43.28	− 7 23.4	0.938	1.924	8.2	18.6
9 28	22 37.13	− 8 48.2	0.962	1.908	14.0	18.8
10 8	22 33.86	− 9 52.0	1.005	1.893	19.2	19.1

202171 2004 VE_{71} 9 4.5 346°.82 5°.1/31.6 18

7 30	23 17.07	−15 51.3	1.358	2.247	16.2	19.1
8 9	23 13.76	−16 44.9	1.295	2.240	12.3	18.9
8 19	23 7.74	−17 44.3	1.252	2.234	8.3	18.6
8 29	22 59.76	−18 40.5	1.231	2.230	5.3	18.4
9 8	22 50.96	−19 24.4	1.235	2.225	6.4	18.5
9 18	22 42.65	−19 48.8	1.263	2.222	10.2	18.7
9 28	22 36.09	−19 50.0	1.313	2.220	14.3	18.9
10 8	22 32.15	−19 28.1	1.382	2.218	18.0	19.2

481374 2006 KD_{24} 9 4.5 344°.92 12°.0/25.5 18

7 30	23 16.48	−30 29.0	1.249	2.143	16.9	19.9
8 9	23 13.84	−32 3.3	1.197	2.130	14.3	19.7
8 19	23 8.05	−33 28.0	1.164	2.117	12.4	19.6
8 29	22 59.93	−34 29.5	1.151	2.106	12.1	19.6
9 8	22 50.87	−34 56.9	1.160	2.096	13.7	19.6
9 18	22 42.47	−34 44.8	1.188	2.088	16.3	19.8
9 28	22 36.19	−33 53.8	1.235	2.081	19.3	19.9
10 8	22 32.95	−32 29.6	1.297	2.076	22.0	20.1

99938 2003 UC_{149} 9 4.5 29°.96 10°.7/25.4 18

7 30	23 19.41	−30 39.1	1.533	2.412	15.2	17.9
8 9	23 15.37	−32 25.4	1.496	2.418	12.7	17.7
8 19	23 8.63	−34 1.2	1.480	2.425	11.0	17.7
8 29	23 0.05	−35 15.1	1.487	2.432	10.8	17.7
9 8	22 50.85	−35 58.4	1.517	2.439	12.1	17.8
9 18	22 42.36	−36 7.4	1.569	2.447	14.3	17.9
9 28	22 35.76	−35 43.0	1.640	2.456	16.7	18.1
10 8	22 31.78	−34 49.9	1.729	2.465	18.8	18.3

386841 2010 JW_{110} 9 4.5 148°.19 6°.0/29.3 16

7 30	23 22.66	−24 7.7	2.258	3.116	11.8	21.8
8 9	23 16.87	−25 7.3	2.203	3.125	9.2	21.6
8 19	23 9.17	−26 3.6	2.172	3.133	7.0	21.5
8 29	23 0.19	−26 49.8	2.168	3.141	6.0	21.4
9 8	22 50.77	−27 20.3	2.191	3.148	6.9	21.5
9 18	22 41.82	−27 31.8	2.241	3.155	9.0	21.7
9 28	22 34.18	−27 23.4	2.316	3.161	11.4	21.8
10 8	22 28.46	−26 56.4	2.412	3.167	13.6	22.0

117684 2005 EL_{246} 9 4.5 76°.15 0°.9/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 23.09	− 6 44.8	1.384	2.244	17.6	20.6
8 9	23 17.88	− 7 13.9	1.336	2.266	13.3	20.4
8 19	23 10.09	− 7 55.9	1.308	2.288	8.4	20.2
8 29	23 0.59	− 8 44.6	1.304	2.309	3.3	19.9
9 8	22 50.59	− 9 32.4	1.326	2.331	2.4	19.9
9 18	22 41.35	−10 12.5	1.374	2.352	7.3	20.3
9 28	22 34.01	−10 39.7	1.446	2.373	11.8	20.6
10 8	22 29.27	−10 51.2	1.540	2.394	15.5	20.9

16559 1991 VA_{3} 9 4.5 344°.42 10°.4/12.6 18

7 30	23 12.33	+14 46.8	1.318	2.113	21.8	16.1
8 9	23 10.39	+15 58.6	1.238	2.100	19.0	15.8
8 19	23 5.79	+16 41.9	1.174	2.089	15.9	15.6
8 29	22 59.08	+16 51.5	1.128	2.079	12.8	15.4
9 8	22 51.28	+16 25.7	1.102	2.070	10.7	15.3
9 18	22 43.68	+15 27.8	1.098	2.062	10.8	15.3
9 28	22 37.65	+14 6.7	1.115	2.056	13.1	15.4
10 8	22 34.24	+12 34.7	1.153	2.051	16.3	15.5

115496 2003 UF_{26} 9 4.5 333°.61 1°.8/ 6.3 18

7 30	23 13.96	+ 0 7.2	2.089	2.918	13.6	19.5
8 9	23 10.48	− 0 2.7	2.003	2.911	10.7	19.3
8 19	23 5.23	− 0 26.8	1.939	2.904	7.4	19.1
8 29	22 58.68	− 1 2.9	1.899	2.897	3.8	18.9
9 8	22 51.55	− 1 47.1	1.886	2.891	1.9	18.7
9 18	22 44.64	− 2 34.8	1.901	2.885	5.0	18.9
9 28	22 38.74	− 3 20.4	1.942	2.879	8.6	19.1
10 8	22 34.52	− 3 59.2	2.008	2.874	11.9	19.3

148236 2000 EC_{9} 9 4.5 274°.59 0°.4/ 4.2 18

7 30	23 19.42	− 5 42.6	1.563	2.419	16.1	20.3
8 9	23 15.29	− 6 5.0	1.481	2.409	12.4	20.0
8 19	23 8.67	− 6 41.2	1.420	2.398	8.1	19.7
8 29	23 0.16	− 7 27.0	1.382	2.387	3.2	19.4
9 8	22 50.75	− 8 16.0	1.371	2.376	2.0	19.3
9 18	22 41.62	− 9 1.2	1.385	2.365	7.0	19.6
9 28	22 33.97	− 9 36.3	1.425	2.354	11.7	19.8
10 8	22 28.69	− 9 56.9	1.486	2.344	15.8	20.1

177300 2003 YH_{4} 9 4.5 346°.24 6°.7/30.3 18

7 30	23 12.27	−15 16.2	1.037	1.946	18.3	19.2
8 9	23 10.78	−16 47.9	0.980	1.937	14.0	18.9
8 19	23 6.19	−18 30.5	0.941	1.928	9.5	18.6
8 29	22 59.24	−20 10.9	0.923	1.921	6.7	18.4
9 8	22 51.25	−21 34.6	0.927	1.915	8.5	18.5
9 18	22 43.80	−22 30.1	0.952	1.910	12.9	18.8
9 28	22 38.39	−22 51.4	0.997	1.907	17.5	19.0
10 8	22 36.03	−22 38.9	1.058	1.905	21.5	19.3

91536 1999 RK_{201} 9 4.5 294°.05 4°.7/ 9.6 18

7 30	23 14.86	+ 8 57.9	2.201	2.982	14.5	19.1
8 9	23 11.13	+ 9 7.7	2.108	2.975	12.1	18.9
8 19	23 5.64	+ 8 59.4	2.036	2.967	9.3	18.7
8 29	22 58.86	+ 8 32.7	1.988	2.960	6.5	18.5
9 8	22 51.46	+ 7 49.7	1.966	2.953	4.8	18.4
9 18	22 44.24	+ 6 54.4	1.970	2.946	5.7	18.5
9 28	22 37.99	+ 5 52.6	2.002	2.939	8.4	18.6
10 8	22 33.38	+ 4 50.5	2.059	2.932	11.3	18.8

516503 2006 AK_{25} 9 4.5 179°.66 3°.8/30.8 18

7 30	23 15.54	−16 47.3	2.449	3.312	10.8	22.1
8 9	23 11.41	−17 51.0	2.381	3.313	8.2	22.0
8 19	23 5.67	−18 57.5	2.337	3.313	5.5	21.8
8 29	22 58.82	−20 1.1	2.320	3.313	3.8	21.7
9 8	22 51.51	−20 56.1	2.332	3.313	4.7	21.7
9 18	22 44.47	−21 38.2	2.371	3.313	7.2	21.9
9 28	22 38.41	−22 4.4	2.436	3.312	9.8	22.1
10 8	22 33.88	−22 13.9	2.524	3.312	12.2	22.2

291109 2005 YX_{172} 9 4.5 185°.28 4°.1/ 9.4 17

7 30	23 17.78	+ 8 36.9	2.860	3.620	12.0	20.8
8 9	23 12.88	+ 8 57.0	2.767	3.619	9.9	20.6
8 19	23 6.53	+ 9 3.6	2.696	3.619	7.6	20.5
8 29	22 59.16	+ 8 56.6	2.651	3.618	5.4	20.3
9 8	22 51.32	+ 8 37.3	2.634	3.617	4.1	20.3
9 18	22 43.64	+ 8 8.3	2.645	3.615	4.9	20.3
9 28	22 36.76	+ 7 33.1	2.685	3.613	7.0	20.5
10 8	22 31.20	+ 6 56.0	2.752	3.611	9.3	20.6

74715 1999 RU_{160} 9 4.5 300°.63 2°.3/ 2.6 18

7 30	23 15.82	− 7 17.8	1.375	2.249	16.9	18.7
8 9	23 12.82	− 8 26.5	1.300	2.240	12.8	18.5
8 19	23 7.21	− 9 52.7	1.247	2.231	8.2	18.2
8 29	22 59.61	−11 28.7	1.216	2.222	3.4	17.9
9 8	22 51.07	−13 3.9	1.211	2.213	3.8	17.9
9 18	22 42.86	−14 27.7	1.231	2.205	8.7	18.2
9 28	22 36.26	−15 31.5	1.275	2.196	13.5	18.4
10 8	22 32.19	−16 10.9	1.338	2.188	17.6	18.7

89289 2001 VY_{21} 9 4.5 261.°85 0.°3/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.60	− 3 57.6	2.089	2.928	13.3	19.8
8 9	23 12.45	− 4 18.7	2.008	2.925	10.2	19.6
8 19	23 6.48	− 4 51.4	1.949	2.922	6.7	19.4
8 29	22 59.19	− 5 32.4	1.915	2.919	2.8	19.1
9 8	22 51.33	− 6 17.3	1.909	2.915	1.3	19.0
9 18	22 43.73	− 7 0.8	1.931	2.912	5.3	19.3
9 28	22 37.22	− 7 38.3	1.980	2.909	9.0	19.5
10 8	22 32.44	− 8 6.0	2.053	2.905	12.3	19.7

314467 2005 WM_{60} 9 4.5 273.°34 6.°6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.75	+16 35.7	2.348	3.078	15.1	20.8
8 9	23 10.26	+16 45.1	2.250	3.069	13.0	20.7
8 19	23 5.08	+16 32.8	2.170	3.061	10.7	20.5
8 29	22 58.64	+15 57.4	2.113	3.052	8.4	20.3
9 8	22 51.61	+15 0.2	2.081	3.043	6.8	20.2
9 18	22 44.72	+13 44.7	2.076	3.034	6.9	20.2
9 28	22 38.76	+12 17.1	2.097	3.025	8.6	20.3
10 8	22 34.35	+10 44.7	2.144	3.017	11.0	20.4

171636 2000 EP_{64} 9 4.5 75.°37 1.°3/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.76	− 1 2.3	1.240	2.096	19.5	20.5
8 9	23 16.49	− 1 26.6	1.187	2.111	15.2	20.2
8 19	23 9.43	− 2 12.0	1.152	2.126	10.1	20.0
8 29	23 0.41	− 3 13.7	1.139	2.141	4.5	19.7
9 8	22 50.72	− 4 23.3	1.150	2.156	2.0	19.6
9 18	22 41.73	− 5 31.5	1.187	2.171	7.2	20.0
9 28	22 34.69	− 6 29.6	1.247	2.186	12.1	20.3
10 8	22 30.41	− 7 11.8	1.329	2.201	16.3	20.6

262060 2006 RO_{34} 9 4.5 351.°54 3.°6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.47	+ 1 16.1	1.206	2.061	20.0	20.3
8 9	23 14.33	+ 1 37.4	1.137	2.057	16.0	20.0
8 19	23 8.30	+ 1 37.2	1.085	2.053	11.3	19.7
8 29	23 0.07	+ 1 16.4	1.054	2.051	6.3	19.5
9 8	22 50.85	+ 0 39.3	1.046	2.049	3.7	19.3
9 18	22 42.05	− 0 6.9	1.061	2.047	7.4	19.5
9 28	22 35.09	− 0 53.3	1.099	2.047	12.4	19.8
10 8	22 30.95	− 1 31.9	1.157	2.047	16.9	20.1

342561 2008 UL_{250} 9 4.5 180.°88 0.°5/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.43	− 3 18.4	1.879	2.718	14.5	21.8
8 9	23 14.03	− 3 40.2	1.801	2.718	11.2	21.5
8 19	23 7.58	− 4 15.4	1.746	2.719	7.4	21.3
8 29	22 59.66	− 5 0.5	1.716	2.719	3.1	21.1
9 8	22 51.12	− 5 50.2	1.713	2.719	1.4	20.9
9 18	22 42.90	− 6 38.7	1.737	2.718	5.7	21.2
9 28	22 35.93	− 7 20.6	1.788	2.718	9.7	21.5
10 8	22 30.91	− 7 51.6	1.862	2.717	13.2	21.7

41524 2000 QU_{217} 9 4.5 318.°52 4.°6/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.76	−18 36.1	2.024	2.892	12.5	18.8
8 9	23 14.20	−19 18.8	1.953	2.886	9.6	18.6
8 19	23 7.65	−20 2.5	1.905	2.881	6.6	18.4
8 29	22 59.68	−20 41.3	1.883	2.876	4.6	18.3
9 8	22 51.14	−21 9.1	1.888	2.871	5.5	18.3
9 18	22 42.95	−21 21.7	1.920	2.866	8.3	18.5
9 28	22 36.02	−21 16.8	1.976	2.861	11.4	18.7
10 8	22 31.02	−20 54.6	2.055	2.856	14.1	18.8

346994 2010 CO_{157} 9 4.5 44.°34 1.°8/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.78	− 8 19.7	1.590	2.457	15.4	21.1
8 9	23 13.02	− 9 8.9	1.530	2.465	11.6	20.9
8 19	23 7.01	−10 9.6	1.491	2.473	7.3	20.7
8 29	22 59.44	−11 15.4	1.476	2.481	3.0	20.4
9 8	22 51.28	−12 18.5	1.488	2.490	3.1	20.5
9 18	22 43.59	−13 11.7	1.526	2.499	7.3	20.7
9 28	22 37.39	−13 49.7	1.588	2.508	11.4	21.0
10 8	22 33.37	−14 9.9	1.672	2.518	14.9	21.3

99128 2001 FJ_{93} 9 4.5 121.°92 3.°4/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.40	−16 36.8	2.406	3.264	11.1	19.5
8 9	23 13.53	−17 13.4	2.340	3.269	8.4	19.3
8 19	23 7.01	−17 51.6	2.298	3.274	5.6	19.1
8 29	22 59.37	−18 26.8	2.282	3.278	3.5	19.0
9 8	22 51.32	−18 54.2	2.295	3.283	4.2	19.1
9 18	22 43.61	−19 10.3	2.336	3.287	6.7	19.2
9 28	22 36.97	−19 13.0	2.404	3.291	9.5	19.4
10 8	22 31.94	−19 1.8	2.494	3.295	12.0	19.6

342514 2008 UE_{197} 9 4.5 350.°33 0.°5/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.78	− 4 50.2	1.269	2.146	17.8	20.3
8 9	23 10.60	− 5 24.5	1.200	2.139	13.7	20.0
8 19	23 5.81	− 6 17.2	1.150	2.133	8.8	19.7
8 29	22 59.07	− 7 22.6	1.122	2.128	3.5	19.4
9 8	22 51.45	− 8 32.2	1.118	2.123	2.2	19.3
9 18	22 44.24	− 9 36.6	1.138	2.121	7.7	19.7
9 28	22 38.67	−10 27.2	1.180	2.119	12.7	19.9
10 8	22 35.64	−10 58.9	1.243	2.118	17.1	20.2

239944 2001 CV_{29} 9 4.5 241.°32 5.°5/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.95	−19 3.3	2.085	2.953	12.2	20.8
8 9	23 13.71	−20 37.2	2.007	2.940	9.4	20.6
8 19	23 7.44	−22 14.9	1.954	2.926	6.8	20.4
8 29	22 59.65	−23 48.3	1.928	2.912	5.5	20.3
9 8	22 51.14	−25 9.1	1.929	2.897	6.8	20.3
9 18	22 42.83	−26 10.7	1.957	2.882	9.5	20.5
9 28	22 35.67	−26 49.3	2.010	2.867	12.4	20.6
10 8	22 30.40	−27 4.2	2.084	2.851	15.1	20.8

438434 2006 WH_{69} 9 4.5 270.°33 14.°6/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.34	+29 46.5	1.878	2.517	20.9	21.4
8 9	23 16.34	+31 22.0	1.776	2.496	19.5	21.2
8 19	23 9.66	+32 31.0	1.689	2.475	17.9	21.0
8 29	23 0.75	+33 5.9	1.617	2.454	16.3	20.9
9 8	22 50.47	+33 1.0	1.564	2.432	15.1	20.7
9 18	22 40.04	+32 14.8	1.531	2.409	14.6	20.7
9 28	22 30.85	+30 50.9	1.519	2.387	15.1	20.6
10 8	22 24.06	+28 59.0	1.528	2.364	16.6	20.7

324863 2007 TC_{6} 9 4.5 222.°28 0.°4/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.42	− 6 26.1	1.553	2.405	16.4	21.3
8 9	23 18.35	− 6 39.5	1.475	2.399	12.7	21.1
8 19	23 10.65	− 7 5.1	1.417	2.394	8.2	20.8
8 29	23 1.00	− 7 38.9	1.383	2.388	3.3	20.5
9 8	22 50.45	− 8 14.7	1.376	2.381	2.0	20.4
9 18	22 40.26	− 8 46.5	1.395	2.374	7.1	20.7
9 28	22 31.68	− 9 8.6	1.439	2.367	11.8	21.0
10 8	22 25.61	− 9 17.5	1.506	2.359	15.8	21.2

261635 2005 YC_{42} 9 4.5 1.°61 4.°1/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.35	−15 24.5	1.993	2.866	12.5	20.0
8 9	23 10.87	−16 35.0	1.927	2.865	9.4	19.8
8 19	23 5.51	−17 50.3	1.885	2.865	6.3	19.6
8 29	22 58.84	−19 3.5	1.869	2.865	4.2	19.5
9 8	22 51.63	−20 7.4	1.880	2.865	5.2	19.6
9 18	22 44.74	−20 56.4	1.917	2.866	8.1	19.8
9 28	22 39.02	−21 26.7	1.980	2.867	11.2	20.0
10 8	22 35.09	−21 37.3	2.064	2.869	14.0	20.2

15824 1994 WM_{1} 9 4.5 237.°82 9.°8/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.61	−30 12.6	1.720	2.586	14.4	18.7
8 9	23 18.52	−31 46.2	1.663	2.580	12.0	18.5
8 19	23 10.73	−33 12.1	1.629	2.573	10.3	18.4
8 29	23 1.00	−34 19.6	1.619	2.566	9.9	18.3
9 8	22 50.49	−35 0.0	1.633	2.559	11.2	18.4
9 18	22 40.51	−35 8.6	1.671	2.551	13.5	18.5
9 28	22 32.31	−34 45.3	1.729	2.543	16.0	18.7
10 8	22 26.71	−33 54.1	1.805	2.535	18.3	18.8

313003 1999 UX_{33} 9 4.5 110.°54 3.°2/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.43	+ 6 6.6	2.333	3.127	13.5	20.7
8 9	23 10.62	+ 5 52.4	2.252	3.132	10.9	20.5
8 19	23 5.22	+ 5 21.5	2.192	3.136	8.0	20.3
8 29	22 58.70	+ 4 35.4	2.156	3.141	5.0	20.2
9 8	22 51.72	+ 3 37.4	2.148	3.145	3.2	20.1
9 18	22 44.97	+ 2 32.2	2.168	3.149	4.8	20.2
9 28	22 39.17	+ 1 25.6	2.216	3.154	7.7	20.4
10 8	22 34.88	+ 0 23.1	2.289	3.158	10.5	20.6

410693 2008 XO_{49} 9 4.5 185.°17 2.°7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.27	−12 16.1	2.339	3.194	11.5	22.4
8 9	23 12.81	−13 21.7	2.265	3.194	8.7	22.2
8 19	23 6.65	−14 33.7	2.214	3.193	5.6	22.0
8 29	22 59.29	−15 46.6	2.192	3.192	3.0	21.8
9 8	22 51.41	−16 54.1	2.198	3.191	3.7	21.9
9 18	22 43.79	−17 51.0	2.233	3.189	6.6	22.1
9 28	22 37.19	−18 33.3	2.294	3.186	9.7	22.3
10 8	22 32.19	−18 59.1	2.379	3.184	12.4	22.4

205545 2001 SX_{197} 9 4.5 359.°89 2.°7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.15	−13 6.2	1.577	2.448	15.3	19.5
8 9	23 15.70	−13 18.3	1.510	2.447	11.6	19.2
8 19	23 8.82	−13 35.5	1.464	2.446	7.5	19.0
8 29	23 0.22	−13 52.5	1.442	2.445	3.5	18.8
9 8	22 50.95	−14 3.5	1.446	2.445	3.8	18.8
9 18	22 42.17	−14 4.0	1.475	2.446	7.8	19.0
9 28	22 34.98	−13 51.1	1.529	2.448	11.9	19.3
10 8	22 30.14	−13 24.0	1.605	2.450	15.4	19.5

362532 2010 UT_{13} 9 4.5 85.°56 9.°9/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.82	−38 20.6	2.263	3.097	12.5	20.5
8 9	23 19.54	−39 23.6	2.218	3.098	11.0	20.4
8 19	23 11.03	−40 13.1	2.195	3.099	10.0	20.3
8 29	23 1.02	−40 41.8	2.197	3.099	10.0	20.3
9 8	22 50.57	−40 44.5	2.222	3.100	10.8	20.4
9 18	22 40.77	−40 19.6	2.271	3.101	12.3	20.5
9 28	22 32.59	−39 28.5	2.341	3.101	13.9	20.6
10 8	22 26.70	−38 15.3	2.430	3.102	15.5	20.7

249241 2008 OU_{22} 9 4.5 261°.04 0°.1/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.97	− 5 44.8	4.373	5.202	7.1	20.5
8 9	23 5.80	− 6 8.9	4.286	5.199	5.3	20.4
8 19	23 1.82	− 6 37.9	4.224	5.196	3.4	20.2
8 29	22 57.29	− 7 10.0	4.190	5.194	1.4	20.1
9 8	22 52.53	− 7 43.2	4.186	5.191	0.8	20.0
9 18	22 47.87	− 8 15.2	4.211	5.188	2.9	20.2
9 28	22 43.66	− 8 43.9	4.266	5.186	4.9	20.3
10 8	22 40.21	− 9 7.5	4.348	5.183	6.6	20.5

121747 1999 XY_{210} 9 4.5 247°.94 3°.8/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.47	−18 8.2	2.496	3.355	10.8	20.2
8 9	23 13.67	−18 48.2	2.417	3.345	8.2	20.0
8 19	23 7.19	−19 29.3	2.361	3.335	5.6	19.8
8 29	22 59.51	−20 6.8	2.333	3.325	3.9	19.7
9 8	22 51.33	−20 35.7	2.333	3.315	4.6	19.7
9 18	22 43.40	−20 52.4	2.361	3.305	7.1	19.9
9 28	22 36.46	−20 54.6	2.415	3.294	9.8	20.0
10 8	22 31.10	−20 41.9	2.492	3.284	12.2	20.2

420349 2012 BT_{64} 9 4.5 234°.21 1°.9/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.81	− 0 7.1	1.419	2.263	18.1	21.0
8 9	23 15.78	− 0 19.2	1.343	2.260	14.3	20.7
8 19	23 9.10	− 0 51.3	1.287	2.257	9.7	20.5
8 29	23 0.42	− 1 40.6	1.254	2.254	4.8	20.2
9 8	22 50.84	− 2 41.1	1.245	2.251	2.2	20.0
9 18	22 41.61	− 3 44.7	1.262	2.247	6.8	20.3
9 28	22 34.03	− 4 43.0	1.304	2.244	11.7	20.5
10 8	22 29.00	− 5 29.3	1.368	2.240	16.0	20.8

260614 2005 GU_{29} 9 4.5 116°.96 4°.9/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.57	−16 19.6	1.480	2.353	15.9	20.4
8 9	23 18.44	−17 10.6	1.422	2.358	12.1	20.2
8 19	23 10.64	−18 5.4	1.385	2.364	8.1	19.9
8 29	23 0.96	−18 55.6	1.372	2.369	5.1	19.8
9 8	22 50.61	−19 33.0	1.385	2.374	6.1	19.9
9 18	22 40.87	−19 51.5	1.423	2.379	9.7	20.1
9 28	22 32.97	−19 48.6	1.485	2.383	13.5	20.3
10 8	22 27.69	−19 25.0	1.567	2.388	16.9	20.6

442507 2011 WN_{29} 9 4.5 294°.60 2°.3/ 2.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.51	−11 52.6	1.921	2.780	13.4	22.1
8 9	23 15.01	−12 14.8	1.831	2.761	10.3	21.9
8 19	23 8.36	−12 43.3	1.763	2.743	6.6	21.6
8 29	23 0.08	−13 13.5	1.721	2.724	3.0	21.4
9 8	22 51.02	−13 39.9	1.706	2.706	3.3	21.3
9 18	22 42.17	−13 57.6	1.718	2.687	7.1	21.5
9 28	22 34.53	−14 2.8	1.756	2.669	10.9	21.7
10 8	22 28.90	−13 53.8	1.817	2.651	14.4	21.9

72679 2001 FF_{61} 9 4.5 255°.24 0°.2/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.64	− 3 29.8	1.904	2.748	14.1	20.1
8 9	23 11.99	− 4 19.8	1.820	2.741	10.9	19.9
8 19	23 6.36	− 5 25.0	1.757	2.733	7.1	19.6
8 29	22 59.26	− 6 41.1	1.720	2.725	2.8	19.3
9 8	22 51.48	− 8 1.3	1.711	2.717	1.6	19.2
9 18	22 43.92	− 9 18.4	1.729	2.708	6.0	19.5
9 28	22 37.51	−10 25.6	1.774	2.700	10.0	19.8
10 8	22 32.97	−11 18.0	1.842	2.691	13.6	20.0

168686 2000 GH_{19} 9 4.5 264°.88 1°.6/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.22	+ 0 0.1	1.962	2.791	14.4	20.5
8 9	23 12.34	− 0 19.4	1.879	2.787	11.3	20.3
8 19	23 6.53	− 0 54.3	1.817	2.783	7.7	20.1
8 29	22 59.31	− 1 42.2	1.779	2.779	3.8	19.8
9 8	22 51.46	− 2 38.3	1.769	2.774	1.8	19.7
9 18	22 43.85	− 3 37.0	1.786	2.770	5.3	19.9
9 28	22 37.38	− 4 32.0	1.830	2.765	9.2	20.1
10 8	22 32.72	− 5 18.1	1.898	2.761	12.6	20.3

452290 2015 TF_{210} 9 4.5 344°.94 6°.3/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.80	−23 59.9	2.035	2.905	12.4	20.7
8 9	23 14.27	−24 55.5	1.973	2.902	9.8	20.5
8 19	23 7.72	−25 48.2	1.934	2.899	7.4	20.4
8 29	22 59.76	−26 30.9	1.921	2.896	6.3	20.3
9 8	22 51.26	−26 57.5	1.933	2.894	7.4	20.4
9 18	22 43.17	−27 4.0	1.971	2.892	9.7	20.5
9 28	22 36.40	−26 49.4	2.033	2.890	12.3	20.7
10 8	22 31.61	−26 14.8	2.116	2.889	14.7	20.9

431247 2006 TM_{70} 9 4.5 354°.75 7°.7/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.48	−18 9.6	1.069	1.976	18.1	20.1
8 9	23 12.42	−19 40.5	1.017	1.971	13.9	19.8
8 19	23 7.24	−21 16.9	0.983	1.966	9.9	19.6
8 29	22 59.72	−22 45.4	0.971	1.964	7.7	19.5
9 8	22 51.27	−23 52.5	0.980	1.962	9.4	19.5
9 18	22 43.44	−24 29.0	1.011	1.961	13.3	19.8
9 28	22 37.72	−24 31.0	1.062	1.962	17.5	20.0
10 8	22 35.03	−24 0.9	1.129	1.964	21.2	20.3

245405 2005 GU_{214} 9 4.5 0°.95 2°.9/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.99	−12 25.0	1.701	2.570	14.4	20.4
8 9	23 13.92	−13 3.1	1.633	2.569	10.9	20.2
8 19	23 7.63	−13 48.1	1.587	2.569	7.0	20.0
8 29	22 59.76	−14 33.8	1.566	2.569	3.5	19.8
9 8	22 51.26	−15 13.6	1.572	2.569	4.0	19.8
9 18	22 43.17	−15 41.8	1.603	2.570	7.7	20.0
9 28	22 36.49	−15 54.5	1.659	2.571	11.6	20.3
10 8	22 31.97	−15 50.3	1.737	2.572	14.9	20.5

374240 2005 GP_{99} 9 4.5 42°.36 1°.1/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.89	− 7 6.3	1.166	2.043	19.0	21.2
8 9	23 15.95	− 7 32.4	1.119	2.058	14.4	20.9
8 19	23 9.14	− 8 13.0	1.091	2.074	9.2	20.7
8 29	23 0.37	− 9 1.3	1.085	2.091	3.6	20.4
9 8	22 50.98	− 9 48.7	1.103	2.108	2.7	20.4
9 18	22 42.39	−10 27.3	1.145	2.126	8.0	20.8
9 28	22 35.84	−10 51.2	1.210	2.144	12.9	21.1
10 8	22 32.11	−10 57.7	1.295	2.163	17.0	21.4

455012 2015 TK_{283} 9 4.5 350°.32 0°.3/ 4.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.29	− 4 42.3	1.816	2.666	14.5	21.4
8 9	23 12.51	− 4 50.5	1.739	2.662	11.2	21.2
8 19	23 6.69	− 5 10.5	1.683	2.659	7.3	21.0
8 29	22 59.39	− 5 39.0	1.652	2.656	3.1	20.7
9 8	22 51.46	− 6 11.5	1.647	2.653	1.4	20.6
9 18	22 43.83	− 6 42.8	1.669	2.651	5.8	20.9
9 28	22 37.44	− 7 8.0	1.716	2.650	9.8	21.1
10 8	22 33.01	− 7 23.4	1.787	2.649	13.4	21.4

359974 2012 HS_{2} 9 4.5 314°.46 1°.9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.97	+ 2 47.4	4.089	4.875	8.2	20.5
8 9	23 8.13	+ 2 57.6	3.989	4.867	6.6	20.3
8 19	23 3.36	+ 3 0.2	3.914	4.860	4.7	20.2
8 29	22 57.94	+ 2 56.0	3.866	4.852	2.9	20.1
9 8	22 52.24	+ 2 46.2	3.847	4.844	1.9	20.0
9 18	22 46.63	+ 2 32.4	3.858	4.837	3.0	20.1
9 28	22 41.50	+ 2 16.9	3.898	4.830	4.9	20.2
10 8	22 37.22	+ 2 1.6	3.966	4.822	6.7	20.3

449370 2013 GM_{90} 9 4.5 61°.80 4°.2/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.63	−16 20.6	2.092	2.962	12.1	21.0
8 9	23 11.64	−17 36.1	2.043	2.979	9.1	20.8
8 19	23 5.91	−18 54.2	2.018	2.996	6.1	20.7
8 29	22 59.00	−20 8.1	2.020	3.013	4.3	20.6
9 8	22 51.70	−21 11.2	2.049	3.030	5.2	20.7
9 18	22 44.81	−21 58.5	2.105	3.047	7.9	20.9
9 28	22 39.10	−22 27.3	2.186	3.065	10.7	21.1
10 8	22 35.12	−22 37.1	2.289	3.082	13.1	21.3

220355 2003 JG_{11} 9 4.5 227°.45 0°.1/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 8.64	− 6 8.2	5.110	5.935	6.2	21.4
8 9	23 5.45	− 6 27.7	5.017	5.929	4.7	21.3
8 19	23 1.57	− 6 51.2	4.950	5.922	3.0	21.1
8 29	22 57.21	− 7 17.3	4.911	5.915	1.2	21.0
9 8	22 52.64	− 7 44.2	4.903	5.908	0.7	20.9
9 18	22 48.16	− 8 10.1	4.924	5.901	2.5	21.1
9 28	22 44.06	− 8 33.4	4.975	5.894	4.2	21.2
10 8	22 40.59	− 8 52.5	5.053	5.886	5.8	21.3

408420 2013 HX 9 4.5 137°.12 4°.2/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.26	−19 44.4	2.686	3.545	10.1	21.1
8 9	23 12.55	−20 43.3	2.628	3.555	7.7	21.0
8 19	23 6.36	−21 42.1	2.594	3.564	5.4	20.9
8 29	22 59.17	−22 35.7	2.588	3.573	4.2	20.8
9 8	22 51.61	−23 19.3	2.610	3.582	5.0	20.9
9 18	22 44.36	−23 49.3	2.660	3.590	7.1	21.0
9 28	22 38.07	−24 3.9	2.736	3.598	9.4	21.2
10 8	22 33.24	−24 2.8	2.836	3.605	11.4	21.4

130904 2000 VH_{39} 9 4.5 219°.28 12°.2/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.29	−46 14.2	2.325	3.133	13.1	20.0
8 9	23 20.66	−48 26.1	2.290	3.124	12.4	19.9
8 19	23 12.24	−50 21.0	2.277	3.114	12.3	19.9
8 29	23 1.71	−51 49.3	2.287	3.104	12.8	19.9
9 8	22 50.22	−52 44.6	2.318	3.093	13.8	20.0
9 18	22 39.10	−53 4.3	2.368	3.081	15.1	20.1
9 28	22 29.72	−52 49.9	2.435	3.069	16.3	20.1
10 8	22 23.00	−52 6.1	2.515	3.056	17.4	20.2

161564 2005 AF_{35} 9 4.5 32°.81 7°.4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.51	−19 8.0	1.433	2.325	15.3	18.6
8 9	23 11.66	−21 17.6	1.389	2.334	11.7	18.4
8 19	23 6.34	−23 29.5	1.368	2.343	8.6	18.2
8 29	22 59.27	−25 31.2	1.371	2.354	7.4	18.2
9 8	22 51.56	−27 10.7	1.399	2.364	9.1	18.3
9 18	22 44.39	−28 20.1	1.451	2.376	12.2	18.5
9 28	22 38.88	−28 56.5	1.525	2.387	15.3	18.8
10 8	22 35.76	−29 1.5	1.616	2.400	18.1	19.0

364486 2007 DA_{95} 9 4.5 159°.96 3°.2/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.90	−17 12.4	2.612	3.463	10.6	21.0
8 9	23 15.31	−17 38.4	2.542	3.467	8.0	20.8
8 19	23 8.14	−18 5.1	2.496	3.470	5.4	20.6
8 29	22 59.89	−18 28.4	2.479	3.474	3.3	20.5
9 8	22 51.25	−18 44.2	2.490	3.477	3.9	20.5
9 18	22 42.94	−18 49.6	2.530	3.480	6.3	20.7
9 28	22 35.66	−18 43.0	2.597	3.483	8.9	20.9
10 8	22 29.95	−18 24.2	2.689	3.485	11.3	21.1

253476 2003 ST_{55} 9 4.5 305°.97 1°.7/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.39	− 1 53.6	1.303	2.161	18.6	20.4
8 9	23 15.08	− 1 52.1	1.220	2.146	14.7	20.1
8 19	23 8.91	− 2 9.1	1.156	2.130	10.0	19.8
8 29	23 0.47	− 2 42.5	1.113	2.115	4.8	19.5
9 8	22 50.87	− 3 26.8	1.095	2.100	2.2	19.3
9 18	22 41.49	− 4 14.5	1.100	2.086	7.4	19.5
9 28	22 33.79	− 4 57.4	1.129	2.072	12.7	19.8
10 8	22 28.84	− 5 28.6	1.178	2.059	17.4	20.0

172703 2004 BE_{29} 9 4.5 285°.46 2°.1/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.97	− 9 15.2	1.877	2.738	13.6	20.3
8 9	23 12.31	−10 8.6	1.795	2.727	10.3	20.1
8 19	23 6.61	−11 12.7	1.735	2.716	6.6	19.9
8 29	22 59.40	−12 21.9	1.700	2.704	2.9	19.6
9 8	22 51.48	−13 29.0	1.693	2.693	3.2	19.6
9 18	22 43.78	−14 27.4	1.713	2.682	7.1	19.8
9 28	22 37.28	−15 11.5	1.758	2.671	10.9	20.0
10 8	22 32.69	−15 38.1	1.826	2.660	14.3	20.2

157434 2004 TR_{358} 9 4.5 145°.45 0°.4/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.69	− 5 53.5	2.718	3.552	10.7	21.0
8 9	23 11.32	− 6 26.9	2.643	3.559	8.1	20.8
8 19	23 5.57	− 7 8.3	2.592	3.566	5.2	20.7
8 29	22 58.87	− 7 54.5	2.569	3.573	2.0	20.5
9 8	22 51.79	− 8 41.6	2.575	3.580	1.3	20.4
9 18	22 44.95	− 9 25.5	2.610	3.586	4.5	20.6
9 28	22 38.96	−10 2.8	2.674	3.592	7.4	20.8
10 8	22 34.31	−10 30.8	2.762	3.597	10.0	21.0

465650 2009 RT_{8} 9 4.5 315°.66 0°.9/ 2.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.69	−10 44.1	4.156	4.998	7.1	21.1
8 9	23 7.14	−11 3.1	4.072	4.994	5.4	21.0
8 19	23 2.71	−11 25.1	4.013	4.990	3.4	20.8
8 29	22 57.69	−11 48.1	3.983	4.987	1.4	20.7
9 8	22 52.42	−12 9.9	3.983	4.983	1.5	20.7
9 18	22 47.27	−12 28.5	4.012	4.980	3.4	20.8
9 28	22 42.63	−12 41.9	4.070	4.977	5.4	21.0
10 8	22 38.81	−12 49.0	4.153	4.973	7.2	21.1

275417 2011 CL_{4} 9 4.5 206°.15 1°.6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.46	− 8 50.6	1.846	2.697	14.2	21.4
8 9	23 16.47	− 9 24.6	1.768	2.694	10.9	21.2
8 19	23 9.27	−10 8.2	1.711	2.689	6.9	20.9
8 29	23 0.46	−10 56.5	1.680	2.684	2.8	20.7
9 8	22 50.94	−11 43.2	1.677	2.679	2.7	20.6
9 18	22 41.74	−12 22.4	1.701	2.673	6.8	20.9
9 28	22 33.87	−12 49.5	1.751	2.667	10.8	21.1
10 8	22 28.11	−13 1.8	1.825	2.660	14.3	21.3

15978 1998 QL_{1} 9 4.5 330°.40 1°.9/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.77	+ 0 13.7	1.593	2.437	16.5	18.3
8 9	23 11.71	− 0 2.1	1.512	2.429	13.0	18.1
8 19	23 6.37	− 0 36.6	1.451	2.420	8.9	17.8
8 29	22 59.34	− 1 27.3	1.413	2.412	4.4	17.6
9 8	22 51.52	− 2 28.8	1.399	2.405	2.1	17.4
9 18	22 43.95	− 3 33.9	1.412	2.398	6.1	17.6
9 28	22 37.73	− 4 34.7	1.450	2.391	10.6	17.9
10 8	22 33.67	− 5 24.8	1.510	2.386	14.6	18.1

244812 2003 ST_{319} 9 4.5 305°.31 3°.0/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.44	−11 41.9	1.651	2.522	14.7	20.4
8 9	23 13.74	−12 26.4	1.571	2.508	11.2	20.2
8 19	23 7.69	−13 20.0	1.512	2.494	7.2	19.9
8 29	22 59.88	−14 16.3	1.478	2.481	3.5	19.7
9 8	22 51.23	−15 7.9	1.469	2.467	4.1	19.7
9 18	22 42.86	−15 47.8	1.487	2.454	8.1	19.9
9 28	22 35.88	−16 11.0	1.529	2.442	12.3	20.1
10 8	22 31.12	−16 15.2	1.592	2.429	15.9	20.3

173613 2001 FR_{17} 9 4.6 67°.80 0°.1/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.50	− 5 6.4	1.362	2.220	17.9	19.7
8 9	23 17.53	− 5 27.8	1.314	2.242	13.7	19.5
8 19	23 9.98	− 6 3.7	1.285	2.263	8.8	19.3
8 29	23 0.70	− 6 48.7	1.280	2.285	3.5	19.1
9 8	22 50.90	− 7 35.6	1.301	2.306	1.9	19.0
9 18	22 41.86	− 8 17.3	1.347	2.328	7.0	19.4
9 28	22 34.70	− 8 48.0	1.417	2.349	11.6	19.7
10 8	22 30.12	− 9 4.4	1.510	2.371	15.4	20.0

112095 2002 JT_{32} 9 4.6 171°.75 2°.0/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.00	+ 1 17.6	1.582	2.415	17.1	20.6
8 9	23 14.88	+ 0 50.8	1.507	2.417	13.5	20.4
8 19	23 8.39	+ 0 3.6	1.452	2.418	9.2	20.1
8 29	23 0.15	− 1 0.9	1.421	2.419	4.6	19.9
9 8	22 51.14	− 2 16.4	1.415	2.420	2.2	19.7
9 18	22 42.50	− 3 34.8	1.436	2.421	6.2	20.0
9 28	22 35.33	− 4 47.7	1.483	2.421	10.7	20.3
10 8	22 30.45	− 5 48.1	1.553	2.421	14.7	20.5

239695 2008 YJ_{144} 9 4.6 35°.68 1°.6/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.70	− 7 32.5	1.629	2.494	15.1	19.9
8 9	23 12.21	− 8 26.2	1.566	2.500	11.4	19.7
8 19	23 6.55	− 9 32.2	1.525	2.507	7.2	19.4
8 29	22 59.36	−10 44.2	1.509	2.514	2.9	19.2
9 8	22 51.58	−11 54.4	1.519	2.522	2.9	19.2
9 18	22 44.23	−12 55.4	1.555	2.530	7.1	19.5
9 28	22 38.29	−13 41.3	1.617	2.538	11.2	19.8
10 8	22 34.46	−14 9.0	1.700	2.546	14.7	20.0

45877 2000 WR_{29} 9 4.6 190°.46 10°.4/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.75	+30 42.2	2.834	3.412	15.4	19.7
8 9	23 17.89	+31 54.2	2.738	3.410	14.3	19.6
8 19	23 10.10	+32 45.2	2.658	3.408	13.0	19.4
8 29	23 0.83	+33 11.3	2.598	3.405	11.7	19.3
9 8	22 50.76	+33 10.1	2.559	3.401	10.8	19.3
9 18	22 40.75	+32 41.9	2.544	3.397	10.4	19.2
9 28	22 31.67	+31 49.8	2.554	3.391	10.7	19.3
10 8	22 24.26	+30 39.9	2.587	3.385	11.6	19.3

469590 2004 DG_{20} 9 4.6 176°.02 4°.3/ 7.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.79	+ 4 37.7	1.860	2.658	16.2	21.8
8 9	23 18.24	+ 5 6.2	1.778	2.660	13.2	21.6
8 19	23 10.43	+ 5 17.9	1.716	2.662	9.7	21.4
8 29	23 0.95	+ 5 12.8	1.679	2.663	6.2	21.2
9 8	22 50.73	+ 4 52.9	1.668	2.663	4.3	21.1
9 18	22 40.81	+ 4 22.2	1.685	2.663	6.2	21.2
9 28	22 32.23	+ 3 46.2	1.729	2.663	9.7	21.5
10 8	22 25.79	+ 3 11.1	1.797	2.662	13.1	21.7

17540 1993 FX_{81} 9 4.6 184°.03 2°.8/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.30	−13 47.4	2.445	3.300	11.1	18.1
8 9	23 12.78	−14 38.1	2.371	3.300	8.3	17.9
8 19	23 6.63	−15 33.1	2.322	3.300	5.4	17.8
8 29	22 59.35	−16 27.6	2.300	3.299	3.0	17.6
9 8	22 51.60	−17 16.4	2.307	3.298	3.7	17.7
9 18	22 44.11	−17 54.9	2.342	3.297	6.4	17.8
9 28	22 37.61	−18 20.2	2.404	3.296	9.3	18.0
10 8	22 32.65	−18 30.7	2.489	3.294	11.9	18.2

252740 2002 CO_{315} 9 4.6 273°.80 4°.0/26.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.35	−28 20.0	4.510	5.361	6.5	20.2
8 9	23 7.69	−29 4.5	4.437	5.348	5.2	20.1
8 19	23 3.10	−29 45.9	4.390	5.334	4.3	20.0
8 29	22 57.88	−30 21.2	4.370	5.321	4.1	20.0
9 8	22 52.39	−30 47.7	4.379	5.307	4.7	20.0
9 18	22 47.01	−31 3.7	4.414	5.293	5.8	20.1
9 28	22 42.16	−31 7.9	4.476	5.280	7.0	20.2
10 8	22 38.16	−31 0.4	4.559	5.266	8.3	20.3

481519 2007 FY_{44} 9 4.6 238°.44 1°.6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.53	−10 47.3	2.318	3.167	11.8	21.7
8 9	23 13.78	−11 7.8	2.239	3.165	8.9	21.6
8 19	23 7.32	−11 33.7	2.184	3.162	5.7	21.4
8 29	22 59.64	−12 1.5	2.155	3.159	2.4	21.1
9 8	22 51.46	−12 26.7	2.155	3.156	2.5	21.1
9 18	22 43.55	−12 45.6	2.183	3.153	5.7	21.3
9 28	22 36.69	−12 55.1	2.238	3.150	9.0	21.5
10 8	22 31.46	−12 53.6	2.317	3.147	11.8	21.7

75130 1999 VE_{71} 9 4.6 267°.20 6°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.88	+13 26.6	1.983	2.744	16.6	19.7
8 9	23 12.27	+13 39.6	1.885	2.731	14.1	19.5
8 19	23 6.64	+13 29.4	1.806	2.719	11.3	19.3
8 29	22 59.47	+12 54.6	1.749	2.706	8.5	19.1
9 8	22 51.51	+11 56.4	1.717	2.693	6.7	18.9
9 18	22 43.68	+10 39.4	1.711	2.680	7.1	18.9
9 28	22 36.93	+ 9 10.6	1.731	2.666	9.6	19.1
10 8	22 32.04	+ 7 39.0	1.775	2.653	12.6	19.2

350235 2012 TG_{57} 9 4.6 238°.94 11°.1/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 28.18	−38 17.3	1.968	2.807	14.0	20.8
8 9	23 21.82	−39 33.9	1.918	2.801	12.3	20.7
8 19	23 12.78	−40 36.1	1.890	2.795	11.3	20.6
8 29	23 1.87	−41 14.7	1.885	2.790	11.3	20.6
9 8	22 50.34	−41 22.8	1.904	2.783	12.2	20.7
9 18	22 39.49	−40 58.3	1.944	2.777	13.9	20.8
9 28	22 30.54	−40 2.9	2.006	2.771	15.8	20.9
10 8	22 24.26	−38 41.8	2.085	2.764	17.6	21.0

137381 1999 TQ_{149} 9 4.6 313°.41 1°.5/ 5.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.63	− 2 20.0	1.256	2.121	18.7	19.7
8 9	23 13.93	− 2 19.7	1.168	2.098	14.8	19.4
8 19	23 8.31	− 2 38.3	1.099	2.076	10.1	19.0
8 29	23 0.32	− 3 13.9	1.051	2.054	4.7	18.7
9 8	22 51.04	− 4 0.8	1.026	2.032	2.1	18.4
9 18	22 41.88	− 4 51.1	1.025	2.011	7.6	18.7
9 28	22 34.35	− 5 35.9	1.046	1.991	13.3	19.0
10 8	22 29.63	− 6 7.9	1.087	1.972	18.2	19.2

92257 2000 AS_{233} 9 4.6 334°.44 12°.4/21.8 18

7 30	23 17.10	−35 45.8	1.582	2.455	15.1	18.1
8 9	23 14.06	−37 33.0	1.526	2.434	13.4	17.9
8 19	23 8.17	−39 8.1	1.490	2.414	12.5	17.8
8 29	23 0.15	−40 19.0	1.476	2.395	12.8	17.8
9 8	22 51.20	−40 56.4	1.484	2.377	14.2	17.8
9 18	22 42.71	−40 55.4	1.511	2.361	16.3	17.9
9 28	22 36.05	−40 16.3	1.556	2.345	18.6	18.1
10 8	22 32.14	−39 3.8	1.616	2.330	20.8	18.2

85652 1998 QQ_{13} 9 4.6 58°.72 1°.8/ 6.0 18

7 30	23 22.52	− 2 11.8	1.985	2.810	14.4	18.3
8 9	23 16.85	− 1 49.6	1.924	2.830	11.2	18.2
8 19	23 9.27	− 1 38.5	1.885	2.849	7.6	18.0
8 29	23 0.41	− 1 36.8	1.871	2.869	3.8	17.8
9 8	22 51.13	− 1 41.7	1.885	2.890	1.9	17.7
9 18	22 42.33	− 1 49.9	1.928	2.910	5.1	18.0
9 28	22 34.87	− 1 57.5	1.998	2.930	8.7	18.2
10 8	22 29.35	− 2 1.4	2.092	2.951	11.8	18.5

518633 2008 GY_{148} 9 4.6 90°.98 0°.6/ 3.9 18

7 30	23 16.93	− 6 45.3	2.266	3.109	12.2	21.8
8 9	23 12.50	− 7 16.0	2.200	3.121	9.3	21.6
8 19	23 6.44	− 7 55.2	2.158	3.134	5.9	21.4
8 29	22 59.28	− 8 39.3	2.142	3.146	2.3	21.2
9 8	22 51.71	− 9 23.5	2.154	3.159	1.7	21.2
9 18	22 44.48	−10 3.3	2.195	3.171	5.2	21.4
9 28	22 38.31	−10 34.8	2.263	3.183	8.5	21.7
10 8	22 33.74	−10 55.4	2.355	3.195	11.3	21.9

6090 1989 DJ 9 4.6 308°.72 1°.4/ 7.1 18

7 30	23 11.79	+ 0 58.6	4.340	5.134	7.7	16.7
8 9	23 7.95	+ 1 5.0	4.245	5.130	6.1	16.6
8 19	23 3.25	+ 1 4.8	4.175	5.126	4.3	16.4
8 29	22 57.96	+ 0 58.9	4.132	5.123	2.4	16.3
9 8	22 52.41	+ 0 48.6	4.118	5.119	1.5	16.2
9 18	22 46.96	+ 0 35.5	4.135	5.115	2.7	16.3
9 28	22 41.98	+ 0 21.6	4.181	5.112	4.6	16.4
10 8	22 37.78	+ 0 8.8	4.255	5.108	6.4	16.6

516112 2015 UX_{30} 9 4.6 35°.97 0°.2/ 4.4 18

7 30	23 14.93	− 4 39.5	1.892	2.742	14.0	21.1
8 9	23 11.32	− 5 13.6	1.827	2.751	10.7	20.9
8 19	23 5.84	− 5 59.9	1.785	2.761	6.9	20.7
8 29	22 59.08	− 6 54.1	1.767	2.771	2.7	20.4
9 8	22 51.83	− 7 50.5	1.776	2.782	1.5	20.4
9 18	22 44.95	− 8 43.1	1.813	2.793	5.7	20.7
9 28	22 39.27	− 9 26.7	1.876	2.804	9.4	20.9
10 8	22 35.40	− 9 57.7	1.962	2.816	12.7	21.2

122307 2000 QE_8 9 4.6 26°.97 0°.9/ 5.2 17

7 30	23 15.58	− 2 37.2	1.115	1.990	19.9	18.6
8 9	23 12.79	− 2 54.1	1.069	2.005	15.3	18.4
8 19	23 7.20	− 3 31.1	1.041	2.020	10.0	18.2
8 29	22 59.69	− 4 23.1	1.034	2.038	4.3	17.9
9 8	22 51.55	− 5 21.5	1.050	2.056	1.9	17.8
9 18	22 44.13	− 6 17.1	1.089	2.076	7.3	18.2
9 28	22 38.67	− 7 1.9	1.151	2.096	12.3	18.5
10 8	22 35.91	− 7 30.6	1.233	2.118	16.5	18.9

362293 2009 SV_{238} 9 4.6 4°.49 10°.5/26.3 18

7 30	23 23.26	−35 5.9	1.809	2.666	14.2	19.2
8 9	23 18.05	−36 7.3	1.764	2.667	12.2	19.1
8 19	23 10.30	−36 55.5	1.740	2.667	10.8	19.0
8 29	23 0.88	−37 21.7	1.739	2.669	10.5	19.0
9 8	22 50.94	−37 19.7	1.762	2.671	11.5	19.1
9 18	22 41.74	−36 47.7	1.807	2.674	13.3	19.2
9 28	22 34.35	−35 47.4	1.873	2.677	15.3	19.3
10 8	22 29.48	−34 23.5	1.957	2.681	17.3	19.5

6653 Feininger 9 4.6 294°.13 0°.8/ 3.8 18

7 30	23 16.83	− 7 12.9	2.005	2.856	13.3	17.4
8 9	23 12.82	− 7 40.6	1.923	2.848	10.1	17.1
8 19	23 6.89	− 8 18.3	1.862	2.840	6.5	16.9
8 29	22 59.55	− 9 1.9	1.827	2.832	2.6	16.6
9 8	22 51.58	− 9 46.3	1.820	2.824	2.0	16.6
9 18	22 43.85	−10 26.1	1.840	2.816	6.0	16.8
9 28	22 37.25	−10 56.6	1.886	2.809	9.7	17.1
10 8	22 32.45	−11 14.7	1.956	2.801	13.1	17.3

93856 2000 WL_{99} 9 4.6 191°.78 0°.3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.47	− 5 53.5	2.572	3.406	11.2	20.4
8 9	23 12.07	− 6 22.0	2.489	3.405	8.5	20.2
8 19	23 6.17	− 6 59.0	2.430	3.404	5.5	20.0
8 29	22 59.20	− 7 41.4	2.398	3.402	2.2	19.8
9 8	22 51.78	− 8 25.1	2.395	3.400	1.4	19.7
9 18	22 44.56	− 9 6.1	2.421	3.397	4.7	20.0
9 28	22 38.24	− 9 40.5	2.475	3.395	7.9	20.2
10 8	22 33.33	−10 5.6	2.554	3.392	10.6	20.4

25312 Asiapossenti 9 4.6 24°.83 6°.6/11.8 18

7 30	23 15.69	+13 53.8	2.184	2.934	15.5	17.2
8 9	23 11.83	+14 27.6	2.102	2.938	13.3	17.0
8 19	23 6.18	+14 41.4	2.040	2.942	10.7	16.9
8 29	22 59.25	+14 33.8	2.000	2.946	8.3	16.7
9 8	22 51.75	+14 5.8	1.985	2.951	6.8	16.6
9 18	22 44.47	+13 20.6	1.996	2.956	7.0	16.7
9 28	22 38.24	+12 23.7	2.033	2.961	8.8	16.8
10 8	22 33.68	+11 21.7	2.094	2.967	11.2	17.0

115422 2003 SM_{307} 9 4.6 288°.77 5°.9/10.6 17

7 30	23 17.83	+11 46.0	2.426	3.178	14.1	19.8
8 9	23 13.37	+12 28.2	2.328	3.168	12.0	19.7
8 19	23 7.18	+12 54.3	2.251	3.158	9.6	19.5
8 29	22 59.67	+13 2.8	2.197	3.149	7.4	19.3
9 8	22 51.51	+12 54.0	2.169	3.139	6.0	19.2
9 18	22 43.46	+12 29.9	2.169	3.129	6.5	19.3
9 28	22 36.30	+11 54.6	2.195	3.120	8.4	19.4
10 8	22 30.71	+11 13.4	2.246	3.110	10.9	19.5

323555 2004 TY_{27} 9 4.6 252°.67 2°.1/ 2.2 17

7 30	23 18.20	−12 38.6	2.610	3.459	10.7	21.8
8 9	23 13.47	−13 8.9	2.518	3.443	8.1	21.6
8 19	23 7.13	−13 43.8	2.449	3.427	5.2	21.4
8 29	22 59.62	−14 19.4	2.408	3.410	2.6	21.1
9 8	22 51.57	−14 51.3	2.396	3.393	2.9	21.2
9 18	22 43.67	−15 15.8	2.413	3.376	5.8	21.3
9 28	22 36.65	−15 29.8	2.457	3.358	8.8	21.5
10 8	22 31.10	−15 31.9	2.526	3.341	11.4	21.6

27829 1994 BM_4 9 4.6 253°.11 3°.4/ 8.1 18

7 30	23 17.13	+ 5 23.2	2.287	3.080	13.7	18.8
8 9	23 12.93	+ 5 23.6	2.185	3.065	11.2	18.6
8 19	23 6.93	+ 5 8.0	2.105	3.050	8.2	18.4
8 29	22 59.59	+ 4 36.9	2.050	3.034	5.2	18.2
9 8	22 51.57	+ 3 52.8	2.021	3.018	3.4	18.1
9 18	22 43.66	+ 2 59.9	2.021	3.002	5.1	18.1
9 28	22 36.67	+ 2 3.6	2.049	2.985	8.3	18.3
10 8	22 31.28	+ 1 9.5	2.102	2.968	11.4	18.5

243172 2007 TD_{133} 9 4.6 41°.25 2°.0/ 2.8 18

7 30	23 18.19	− 9 54.2	1.756	2.619	14.4	20.2
8 9	23 14.01	−10 31.6	1.690	2.622	10.9	20.0
8 19	23 7.69	−11 17.8	1.645	2.626	6.9	19.8
8 29	22 59.88	−12 7.2	1.626	2.630	3.0	19.6
9 8	22 51.47	−12 53.4	1.633	2.634	3.1	19.6
9 18	22 43.47	−13 30.5	1.667	2.638	7.0	19.8
9 28	22 36.84	−13 54.1	1.726	2.643	10.9	20.1
10 8	22 32.28	−14 2.2	1.807	2.647	14.2	20.3

436155 2009 VO_{18} 9 4.6 297°.20 4°.8/ 8.2 18

7 30	23 17.09	+ 5 31.6	1.538	2.358	18.1	20.8
8 9	23 13.81	+ 5 47.8	1.443	2.338	14.9	20.6
8 19	23 8.00	+ 5 42.3	1.366	2.318	11.1	20.3
8 29	23 0.17	+ 5 14.2	1.312	2.298	7.1	20.0
9 8	22 51.24	+ 4 26.0	1.281	2.279	4.8	19.8
9 18	22 42.40	+ 3 23.5	1.276	2.259	7.0	19.9
9 28	22 34.90	+ 2 14.9	1.295	2.239	11.3	20.1
10 8	22 29.76	+ 1 9.4	1.336	2.220	15.5	20.3

220372 2003 ON_{14} 9 4.6 16°.37 8°.5/13.9 18

7 30	23 12.87	+17 28.5	1.771	2.522	18.6	18.8
8 9	23 10.07	+18 4.2	1.699	2.529	16.2	18.6
8 19	23 5.23	+18 13.0	1.644	2.536	13.5	18.5
8 29	22 58.92	+17 52.7	1.609	2.544	10.8	18.3
9 8	22 51.96	+17 4.5	1.596	2.554	8.9	18.3
9 18	22 45.32	+15 52.7	1.607	2.564	8.7	18.3
9 28	22 39.94	+14 25.3	1.643	2.574	10.3	18.4
10 8	22 36.52	+12 51.8	1.702	2.586	12.7	18.6

260509 2005 EJ_{55} 9 4.6 46°.81 0°.9/ 5.3 17

7 30	23 18.50	− 1 51.0	1.168	2.034	19.8	20.2
8 9	23 14.92	− 2 18.1	1.121	2.051	15.3	20.0
8 19	23 8.55	− 3 6.2	1.091	2.068	10.0	19.7
8 29	23 0.25	− 4 9.5	1.083	2.086	4.4	19.5
9 8	22 51.32	− 5 19.4	1.099	2.105	1.8	19.3
9 18	22 43.12	− 6 25.9	1.138	2.124	7.3	19.7
9 28	22 36.90	− 7 20.8	1.202	2.143	12.3	20.1
10 8	22 33.41	− 7 58.5	1.285	2.163	16.5	20.4

14518 1996 RZ_{30} 9 4.6 286°.18 0°.4/ 5.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.76	− 2 45.1	4.381	5.198	7.2	19.4
8 9	23 5.72	− 3 7.9	4.282	5.187	5.6	19.3
8 19	23 1.86	− 3 36.8	4.209	5.176	3.7	19.1
8 29	22 57.43	− 4 10.3	4.163	5.165	1.6	19.0
9 8	22 52.75	− 4 46.3	4.148	5.153	0.7	18.9
9 18	22 48.16	− 5 22.7	4.162	5.142	2.7	19.0
9 28	22 43.99	− 5 57.0	4.205	5.131	4.7	19.2
10 8	22 40.56	− 6 27.3	4.276	5.120	6.5	19.3

288753 2004 RB_{70} 9 4.6 317°.26 1°.6/ 2.9 18

7 30	23 14.16	− 8 17.3	1.969	2.829	13.1	20.5
8 9	23 10.86	− 9 5.4	1.886	2.818	10.0	20.3
8 19	23 5.67	−10 4.3	1.826	2.806	6.3	20.0
8 29	22 59.09	−11 8.8	1.791	2.795	2.6	19.8
9 8	22 51.87	−12 12.6	1.783	2.785	2.7	19.8
9 18	22 44.86	−13 9.5	1.802	2.774	6.5	20.0
9 28	22 38.94	−13 53.9	1.847	2.764	10.2	20.2
10 8	22 34.79	−14 22.7	1.915	2.755	13.5	20.4

445806 2012 BK_{81} 9 4.6 226°.90 0°.8/ 3.6 18

7 30	23 16.27	− 7 18.3	2.607	3.446	10.9	22.3
8 9	23 11.97	− 7 53.4	2.517	3.437	8.3	22.1
8 19	23 6.15	− 8 36.6	2.452	3.428	5.3	21.9
8 29	22 59.23	− 9 24.4	2.414	3.418	2.1	21.6
9 8	22 51.81	−10 12.6	2.404	3.408	1.7	21.6
9 18	22 44.56	−10 56.9	2.424	3.398	5.0	21.8
9 28	22 38.16	−11 33.4	2.472	3.387	8.1	22.0
10 8	22 33.16	−11 59.3	2.545	3.376	10.8	22.2

346022 2007 TJ_{327} 9 4.6 182°.36 4°.5/ 9.2 18

7 30	23 16.97	+ 8 1.0	2.028	2.816	15.4	21.0
8 9	23 12.91	+ 8 6.5	1.944	2.817	12.7	20.8
8 19	23 6.95	+ 7 52.7	1.880	2.817	9.6	20.6
8 29	22 59.60	+ 7 19.8	1.840	2.817	6.4	20.5
9 8	22 51.62	+ 6 30.7	1.825	2.816	4.5	20.4
9 18	22 43.89	+ 5 30.0	1.838	2.816	5.8	20.4
9 28	22 37.27	+ 4 24.3	1.877	2.816	8.8	20.6
10 8	22 32.44	+ 3 20.3	1.942	2.815	11.9	20.8

346711 2008 YB_{167} 9 4.6 267°.94 6°.3/28.9 18

7 30	23 18.52	−20 47.5	1.902	2.775	13.0	20.7
8 9	23 14.42	−22 12.8	1.827	2.760	10.1	20.5
8 19	23 8.10	−23 40.4	1.774	2.744	7.5	20.3
8 29	23 0.11	−25 1.5	1.747	2.729	6.3	20.2
9 8	22 51.34	−26 7.7	1.747	2.713	7.6	20.2
9 18	22 42.81	−26 52.4	1.772	2.697	10.3	20.4
9 28	22 35.57	−27 12.4	1.821	2.680	13.4	20.5
10 8	22 30.42	−27 7.7	1.890	2.664	16.2	20.7

140575 2001 TK_{217} 9 4.6 304°.70 3°.0/ 7.4 18

7 30	23 16.08	+ 3 13.0	1.938	2.755	15.0	19.8
8 9	23 12.34	+ 3 10.1	1.852	2.749	12.0	19.6
8 19	23 6.64	+ 2 50.1	1.787	2.743	8.6	19.3
8 29	22 59.50	+ 2 14.3	1.745	2.737	5.0	19.1
9 8	22 51.68	+ 1 26.3	1.730	2.731	3.0	19.0
9 18	22 44.08	+ 0 31.3	1.742	2.726	5.4	19.1
9 28	22 37.61	− 0 24.4	1.780	2.720	9.1	19.3
10 8	22 32.98	− 1 14.9	1.843	2.715	12.5	19.5

195011 2002 CB_{16} 9 4.6 102°.70 1°.5/ 3.1 18

7 30	23 18.34	− 7 24.2	1.767	2.622	14.6	20.1
8 9	23 14.06	− 8 17.8	1.704	2.633	11.0	19.9
8 19	23 7.70	− 9 22.8	1.664	2.643	7.0	19.7
8 29	22 59.88	−10 33.4	1.649	2.653	2.8	19.5
9 8	22 51.52	−11 42.1	1.661	2.663	2.7	19.5
9 18	22 43.59	−12 42.2	1.700	2.673	6.7	19.8
9 28	22 37.02	−13 28.3	1.765	2.683	10.6	20.0
10 8	22 32.48	−13 57.5	1.853	2.692	13.9	20.3

114095 2002 VY_{39} 9 4.6 12°.26 3°.3/ 7.9 18

7 30	23 15.37	+ 4 50.3	1.843	2.657	15.8	19.6
8 9	23 11.84	+ 4 40.2	1.764	2.657	12.7	19.4
8 19	23 6.32	+ 4 10.5	1.705	2.658	9.2	19.2
8 29	22 59.36	+ 3 22.7	1.670	2.659	5.5	19.0
9 8	22 51.77	+ 2 21.0	1.660	2.660	3.3	18.9
9 18	22 44.46	+ 1 11.6	1.678	2.662	5.6	19.0
9 28	22 38.34	+ 0 1.6	1.722	2.663	9.2	19.2
10 8	22 34.13	− 1 2.1	1.790	2.665	12.7	19.4

378603 2008 EG_{121} 9 4.6 82°.74 1°.0/ 5.5 18

7 30	23 16.68	+ 0 22.4	1.503	2.346	17.3	21.0
8 9	23 13.17	− 0 30.5	1.437	2.354	13.4	20.8
8 19	23 7.31	− 1 45.0	1.391	2.362	9.0	20.6
8 29	22 59.78	− 3 16.1	1.368	2.370	4.0	20.3
9 8	22 51.58	− 4 55.2	1.372	2.378	1.6	20.2
9 18	22 43.81	− 6 32.6	1.402	2.386	6.4	20.5
9 28	22 37.55	− 7 58.9	1.458	2.394	11.0	20.8
10 8	22 33.56	− 9 7.6	1.536	2.402	14.9	21.1

13847 1999 XC_{74} 9 4.6 53°.44 2°.2/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.97	− 7 57.8	1.040	1.925	20.2	17.1
8 9	23 17.12	− 8 44.4	0.996	1.940	15.3	16.9
8 19	23 10.10	− 9 46.7	0.971	1.956	9.7	16.6
8 29	23 0.91	−10 55.5	0.967	1.972	3.9	16.4
9 8	22 51.04	−11 59.8	0.986	1.989	3.7	16.4
9 18	22 42.06	−12 50.0	1.028	2.006	9.2	16.8
9 28	22 35.36	−13 19.8	1.092	2.024	14.3	17.1
10 8	22 31.75	−13 27.2	1.175	2.041	18.5	17.5

15768 1993 FW_{11} 9 4.6 17°.18 2°.7/ 2.7 18

7 30	23 11.63	− 7 32.3	0.857	1.766	21.2	17.6
8 9	23 10.52	− 8 33.6	0.816	1.772	16.0	17.4
8 19	23 6.12	− 9 54.8	0.790	1.780	10.1	17.1
8 29	22 59.38	−11 25.0	0.784	1.790	4.2	16.8
9 8	22 51.81	−12 49.8	0.799	1.802	4.5	16.9
9 18	22 45.03	−13 56.8	0.834	1.815	10.2	17.3
9 28	22 40.52	−14 37.5	0.889	1.830	15.6	17.6
10 8	22 39.10	−14 49.5	0.962	1.846	20.1	18.0

18808 1999 JP_{85} 9 4.6 123°.36 1°.1/ 5.7 18

7 30	23 16.36	+ 0 33.7	1.784	2.617	15.5	18.3
8 9	23 12.61	− 0 15.3	1.711	2.622	12.1	18.1
8 19	23 6.81	− 1 23.0	1.659	2.628	8.1	17.9
8 29	22 59.56	− 2 45.5	1.632	2.633	3.7	17.6
9 8	22 51.69	− 4 15.7	1.632	2.638	1.5	17.5
9 18	22 44.17	− 5 45.6	1.659	2.643	5.7	17.8
9 28	22 37.91	− 7 7.4	1.713	2.647	9.8	18.0
10 8	22 33.61	− 8 15.0	1.791	2.652	13.4	18.3

96155 1973 HA 9 4.6 159°.63 7°.9/24.5 18 R

7 30	23 25.83	−37 3.4	2.948	3.773	10.2	20.4
8 9	23 19.13	−38 16.1	2.907	3.782	8.9	20.3
8 19	23 10.66	−39 18.5	2.891	3.791	8.0	20.3
8 29	23 1.01	−40 4.6	2.901	3.799	8.0	20.3
9 8	22 50.97	−40 30.0	2.936	3.806	8.7	20.3
9 18	22 41.37	−40 33.0	2.997	3.812	10.0	20.4
9 28	22 33.01	−40 13.9	3.081	3.818	11.4	20.6
10 8	22 26.44	−39 35.4	3.184	3.823	12.6	20.7

509765 2008 UZ_{33} 9 4.6 265°.20 9°.0/27.1 18

7 30	23 23.89	−29 20.5	1.831	2.695	13.8	21.5
8 9	23 18.65	−30 35.8	1.767	2.684	11.4	21.3
8 19	23 10.87	−31 44.6	1.725	2.672	9.5	21.1
8 29	23 1.23	−32 37.2	1.707	2.660	9.0	21.1
9 8	22 50.83	−33 5.7	1.714	2.648	10.2	21.1
9 18	22 40.87	−33 5.7	1.745	2.636	12.4	21.3
9 28	22 32.56	−32 36.9	1.798	2.623	15.0	21.4
10 8	22 26.70	−31 42.5	1.870	2.611	17.4	21.6

401253 2012 BY_{79} 9 4.6 41°.57 1°.9/ 6.4 18

7 30	23 18.48	− 0 37.0	2.126	2.949	13.7	21.3
8 9	23 13.89	− 0 27.8	2.049	2.952	10.7	21.1
8 19	23 7.48	− 0 30.5	1.993	2.956	7.4	20.9
8 29	22 59.79	− 0 43.7	1.963	2.960	3.8	20.7
9 8	22 51.58	− 1 4.4	1.960	2.964	2.0	20.6
9 18	22 43.66	− 1 28.6	1.985	2.968	4.9	20.8
9 28	22 36.84	− 1 52.3	2.038	2.972	8.4	21.0
10 8	22 31.76	− 2 11.4	2.114	2.977	11.5	21.2

448561 2010 RN_{128} 9 4.6 331°.95 0°.6/ 5.1 18

7 30	23 21.24	− 5 20.8	2.035	2.871	13.7	20.5
8 9	23 16.10	− 5 8.9	1.954	2.869	10.6	20.3
8 19	23 8.97	− 5 5.8	1.895	2.867	7.0	20.1
8 29	23 0.42	− 5 9.3	1.862	2.865	3.0	19.8
9 8	22 51.26	− 5 16.0	1.857	2.863	1.4	19.7
9 18	22 42.39	− 5 22.7	1.880	2.861	5.4	20.0
9 28	22 34.74	− 5 25.8	1.930	2.859	9.1	20.2
10 8	22 28.98	− 5 22.7	2.004	2.858	12.5	20.4

387034 2012 SD_{38} 9 4.6 279°.17 0°.5/ 4.2 18

7 30	23 19.18	− 6 7.8	1.701	2.554	15.2	21.3
8 9	23 14.95	− 6 29.6	1.623	2.548	11.7	21.1
8 19	23 8.44	− 7 3.5	1.565	2.543	7.5	20.8
8 29	23 0.26	− 7 45.5	1.532	2.537	3.0	20.6
9 8	22 51.33	− 8 29.6	1.526	2.531	1.9	20.5
9 18	22 42.70	− 9 9.6	1.546	2.526	6.5	20.8
9 28	22 35.44	− 9 40.2	1.592	2.520	10.8	21.0
10 8	22 30.35	− 9 57.7	1.661	2.515	14.6	21.2

515083 2010 TS_{32} 9 4.6 91°.68 2°.3/ 7.3 18

7 30	23 14.50	+ 3 31.1	2.201	3.011	13.7	21.7
8 9	23 10.83	+ 3 4.1	2.122	3.016	10.9	21.5
8 19	23 5.50	+ 2 20.7	2.065	3.021	7.6	21.3
8 29	22 59.00	+ 1 23.0	2.032	3.025	4.3	21.1
9 8	22 52.00	+ 0 15.4	2.027	3.030	2.3	21.0
9 18	22 45.26	− 0 56.4	2.051	3.034	4.7	21.2
9 28	22 39.52	− 2 6.5	2.102	3.039	8.0	21.4
10 8	22 35.37	− 3 9.4	2.178	3.044	11.1	21.6

510342 2011 SK_{115} 9 4.6 27°.54 9°.7/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 15.97	+16 39.7	1.479	2.247	21.0	20.2
8 9	23 12.78	+17 36.8	1.417	2.258	18.2	20.1
8 19	23 7.15	+18 4.3	1.370	2.270	15.1	19.9
8 29	22 59.75	+17 58.9	1.343	2.283	12.1	19.8
9 8	22 51.61	+17 21.2	1.336	2.296	10.0	19.7
9 18	22 43.90	+16 16.2	1.353	2.311	9.9	19.7
9 28	22 37.76	+14 52.9	1.393	2.326	11.7	19.9
10 8	22 34.00	+13 22.5	1.455	2.342	14.3	20.1

168477 1999 RE_{31} 9 4.6 284°.87 8°.1/ 2.5 15

7 30	23 44.52	−24 32.4	1.060	1.926	21.3	19.5
8 9	23 36.32	−24 20.2	0.984	1.911	17.2	19.2
8 19	23 23.32	−23 56.6	0.927	1.897	12.5	18.9
8 29	23 6.53	−23 9.3	0.891	1.882	8.6	18.6
9 8	22 48.09	−21 49.6	0.880	1.867	8.9	18.6
9 18	22 30.61	−19 56.8	0.894	1.853	13.4	18.8
9 28	22 16.50	−17 38.4	0.930	1.838	18.6	19.0
10 8	22 7.06	−15 5.1	0.987	1.824	23.4	19.3

160660 1999 XX_{204} 9 4.6 333°.94 1°.9/ 5.4 18

7 30	23 19.69	− 5 51.5	1.202	2.075	18.9	18.4
8 9	23 16.54	− 4 55.7	1.112	2.046	15.0	18.1
8 19	23 10.21	− 4 7.9	1.040	2.018	10.2	17.8
8 29	23 1.23	− 3 27.3	0.989	1.992	4.9	17.4
9 8	22 50.76	− 2 52.3	0.961	1.967	2.5	17.2
9 18	22 40.33	− 2 20.2	0.957	1.943	8.0	17.4
9 28	22 31.67	− 1 47.9	0.974	1.922	13.7	17.6
10 8	22 26.05	− 1 11.6	1.012	1.902	18.8	17.9

217332 2004 RS_{79} 9 4.6 314°.20 0°.4/ 5.0 18

7 30	23 12.86	− 1 43.7	2.053	2.892	13.5	20.1
8 9	23 9.80	− 2 32.7	1.965	2.882	10.4	19.9
8 19	23 4.97	− 3 37.3	1.900	2.873	6.9	19.7
8 29	22 58.84	− 4 53.8	1.860	2.863	2.9	19.4
9 8	22 52.09	− 6 16.1	1.848	2.854	1.3	19.3
9 18	22 45.54	− 7 37.5	1.864	2.845	5.4	19.6
9 28	22 39.99	− 8 51.3	1.907	2.837	9.2	19.8
10 8	22 36.10	− 9 52.1	1.973	2.829	12.5	20.0

128124 2003 QY_{38} 9 4.6 312°.83 0°.3/ 4.3 18

7 30	23 13.11	− 3 54.6	2.196	3.039	12.6	19.6
8 9	23 9.85	− 4 46.0	2.112	3.032	9.6	19.4
8 19	23 4.93	− 5 50.3	2.051	3.026	6.2	19.1
8 29	22 58.80	− 7 3.5	2.016	3.020	2.5	18.9
9 8	22 52.12	− 8 19.8	2.009	3.014	1.5	18.8
9 18	22 45.65	− 9 33.1	2.030	3.008	5.3	19.1
9 28	22 40.13	−10 37.5	2.078	3.003	8.9	19.3
10 8	22 36.17	−11 28.9	2.151	2.997	12.0	19.5

52053 2002 PQ_{119} 9 4.6 292°.57 0°.4/ 4.9 18

7 30	23 14.17	− 1 25.4	1.820	2.662	14.8	19.2
8 9	23 11.11	− 2 17.4	1.726	2.645	11.5	18.9
8 19	23 6.00	− 3 28.1	1.654	2.627	7.6	18.6
8 29	22 59.32	− 4 53.5	1.606	2.610	3.3	18.3
9 8	22 51.83	− 6 26.9	1.586	2.592	1.5	18.2
9 18	22 44.49	− 7 59.9	1.593	2.575	6.1	18.4
9 28	22 38.26	− 9 24.3	1.626	2.558	10.4	18.7
10 8	22 33.95	−10 33.6	1.683	2.540	14.2	18.9

110307 2001 SQ_{273} 9 4.6 98°.97 0°.4/ 4.9 18

7 30	23 16.75	− 3 23.4	2.028	2.867	13.6	20.4
8 9	23 12.68	− 3 49.5	1.952	2.869	10.5	20.2
8 19	23 6.76	− 4 28.0	1.899	2.871	6.9	20.0
8 29	22 59.54	− 5 15.6	1.870	2.873	2.9	19.8
9 8	22 51.76	− 6 7.1	1.869	2.875	1.3	19.6
9 18	22 44.28	− 6 57.3	1.896	2.877	5.3	19.9
9 28	22 37.92	− 7 40.9	1.950	2.880	9.1	20.2
10 8	22 33.33	− 8 13.9	2.028	2.882	12.3	20.4

440568 2005 UP_{360} 9 4.6 77°.08 5°.4/30.4 18

7 30	23 20.68	−21 50.2	2.106	2.970	12.2	21.3
8 9	23 15.59	−22 37.6	2.048	2.976	9.5	21.2
8 19	23 8.57	−23 23.1	2.013	2.982	6.9	21.0
8 29	23 0.24	−24 0.3	2.005	2.988	5.4	20.9
9 8	22 51.44	−24 23.7	2.023	2.993	6.3	21.0
9 18	22 43.10	−24 29.9	2.068	2.999	8.7	21.2
9 28	22 36.07	−24 17.4	2.138	3.005	11.4	21.3
10 8	22 30.96	−23 47.5	2.229	3.011	13.8	21.5

436794 2012 QY_{10} 9 4.6 328°.21 8°.5/27.6 18

7 30	23 17.90	−23 58.1	1.519	2.404	14.9	20.4
8 9	23 14.41	−25 35.4	1.460	2.397	11.9	20.2
8 19	23 8.30	−27 11.4	1.424	2.390	9.4	20.1
8 29	23 0.26	−28 34.6	1.410	2.383	8.5	20.0
9 8	22 51.40	−29 35.0	1.421	2.377	10.0	20.1
9 18	22 43.00	−30 5.9	1.455	2.371	12.8	20.2
9 28	22 36.28	−30 5.3	1.511	2.365	15.9	20.4
10 8	22 32.09	−29 35.5	1.584	2.360	18.7	20.6

296604 2009 RT_{63} 9 4.6 295°.76 0°.6/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.97	− 1 43.4	4.193	5.007	7.6	20.8
8 9	23 5.93	− 2 6.3	4.098	5.000	5.9	20.6
8 19	23 2.03	− 2 36.0	4.029	4.993	3.9	20.5
8 29	22 57.56	− 3 11.0	3.986	4.986	1.8	20.3
9 8	22 52.82	− 3 48.9	3.974	4.979	0.8	20.2
9 18	22 48.18	− 4 27.6	3.991	4.973	2.8	20.4
9 28	22 44.00	− 5 4.5	4.037	4.966	4.8	20.5
10 8	22 40.59	− 5 37.4	4.111	4.959	6.7	20.7

474441 2003 OE_{13} 9 4.6 12°.52 5°.4/ 7.2 16

7 30	23 8.74	− 2 56.2	0.570	1.497	25.9	17.9
8 9	23 8.84	− 0 56.7	0.553	1.513	20.5	17.7
8 19	23 5.12	+ 0 34.7	0.549	1.535	14.4	17.5
8 29	22 58.94	+ 1 35.5	0.561	1.561	8.4	17.4
9 8	22 52.21	+ 2 9.1	0.589	1.592	5.5	17.4
9 18	22 46.73	+ 2 22.5	0.635	1.627	9.0	17.8
9 28	22 43.89	+ 2 25.7	0.698	1.665	14.0	18.2
10 8	22 44.31	+ 2 28.1	0.778	1.707	18.4	18.7

360916 2005 SN_{283} 9 4.6 358°.95 6°.7/28.7 18

7 30	23 17.01	−22 41.7	1.850	2.727	13.1	20.6
8 9	23 13.18	−23 59.5	1.793	2.726	10.3	20.4
8 19	23 7.22	−25 16.0	1.758	2.726	7.8	20.3
8 29	22 59.76	−26 22.8	1.748	2.725	6.7	20.2
9 8	22 51.70	−27 12.3	1.764	2.725	7.9	20.3
9 18	22 44.05	−27 39.4	1.805	2.726	10.4	20.4
9 28	22 37.78	−27 42.2	1.869	2.726	13.2	20.6
10 8	22 33.57	−27 21.9	1.952	2.727	15.7	20.8

430680 2003 WM_{51} 9 4.6 253°.99 1°.1/ 3.8 17

7 30	23 22.69	− 7 42.9	1.672	2.524	15.5	22.4
8 9	23 17.86	− 8 5.1	1.582	2.508	11.9	22.1
8 19	23 10.51	− 8 38.7	1.514	2.492	7.7	21.8
8 29	23 1.20	− 9 19.2	1.470	2.475	3.1	21.5
9 8	22 50.91	−10 0.5	1.453	2.458	2.4	21.4
9 18	22 40.81	−10 36.1	1.463	2.440	7.2	21.7
9 28	22 32.13	−11 0.5	1.499	2.422	11.7	21.9
10 8	22 25.79	−11 10.4	1.557	2.403	15.8	22.1

432669 2011 AS_{50} 9 4.6 161°.70 1°.0/ 5.4 17

7 30	23 22.41	− 2 56.6	1.744	2.579	15.6	22.0
8 9	23 17.30	− 3 2.6	1.669	2.583	12.2	21.8
8 19	23 9.91	− 3 22.1	1.616	2.586	8.1	21.6
8 29	23 0.87	− 3 52.2	1.587	2.589	3.6	21.3
9 8	22 51.15	− 4 28.1	1.585	2.591	1.6	21.2
9 18	22 41.81	− 5 4.4	1.611	2.593	5.9	21.5
9 28	22 33.89	− 5 35.5	1.663	2.595	10.2	21.7
10 8	22 28.17	− 5 57.3	1.738	2.596	13.9	22.0

295734 2008 UE_{66} 9 4.6 247°.58 1°.9/ 2.9 18

7 30	23 20.44	−10 22.9	1.917	2.772	13.7	20.6
8 9	23 15.73	−10 52.9	1.835	2.763	10.4	20.4
8 19	23 8.88	−11 30.8	1.774	2.753	6.7	20.1
8 29	23 0.47	−12 11.8	1.740	2.743	2.9	19.9
9 8	22 51.34	−12 50.1	1.732	2.734	3.0	19.9
9 18	22 42.48	−13 20.2	1.753	2.723	6.8	20.1
9 28	22 34.87	−13 38.2	1.799	2.713	10.7	20.3
10 8	22 29.26	−13 41.7	1.868	2.702	14.1	20.5

274092 2008 CZ_{71} 9 4.6 121°.20 2°.4/ 2.2 17

7 30	23 16.34	− 0 30.8	1.148	2.014	20.1	19.9
8 9	23 13.66	− 3 17.7	1.084	2.020	15.2	19.6
8 19	23 8.06	− 6 40.4	1.042	2.025	9.5	19.3
8 29	23 0.25	−10 24.4	1.024	2.030	3.7	19.0
9 8	22 51.46	−14 7.8	1.033	2.034	4.6	19.1
9 18	22 43.15	−17 28.6	1.070	2.039	10.3	19.5
9 28	22 36.73	−20 10.8	1.130	2.043	15.7	19.8
10 8	22 33.18	−22 8.2	1.211	2.047	20.0	20.1

321502 2009 SY_{130} 9 4.6 359°.32 2°.6/ 7.5 18

7 30	23 11.80	+ 4 14.2	1.930	2.750	14.9	20.1
8 9	23 9.07	+ 3 42.1	1.850	2.749	11.9	19.9
8 19	23 4.53	+ 2 50.1	1.790	2.748	8.5	19.6
8 29	22 58.69	+ 1 40.9	1.754	2.747	4.8	19.4
9 8	22 52.28	+ 0 19.5	1.744	2.747	2.6	19.3
9 18	22 46.11	− 1 7.3	1.762	2.748	5.1	19.5
9 28	22 41.02	− 2 31.7	1.807	2.749	8.8	19.7
10 8	22 37.65	− 3 47.1	1.876	2.751	12.2	19.9

311979 2007 EC_{92} 9 4.6 163°.77 0°.7/ 5.4 18

7 30	23 15.37	− 1 49.4	2.612	3.433	11.4	21.6
8 9	23 11.24	− 2 21.4	2.531	3.437	8.8	21.4
8 19	23 5.67	− 3 4.5	2.473	3.440	5.8	21.2
8 29	22 59.09	− 3 55.7	2.442	3.443	2.6	21.0
9 8	22 52.09	− 4 51.2	2.440	3.446	1.1	20.9
9 18	22 45.29	− 5 46.5	2.467	3.448	4.3	21.1
9 28	22 39.36	− 6 37.2	2.522	3.450	7.4	21.3
10 8	22 34.78	− 7 19.7	2.603	3.451	10.1	21.5

408648 2014 MA_{15} 9 4.6 353°.98 2°.0/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 13.47	− 9 1.8	2.055	2.916	12.6	20.3
8 9	23 10.23	−10 4.1	1.982	2.914	9.5	20.1
8 19	23 5.22	−11 16.2	1.931	2.912	6.0	19.9
8 29	22 58.95	−12 32.5	1.907	2.911	2.7	19.7
9 8	22 52.15	−13 46.2	1.911	2.910	3.0	19.7
9 18	22 45.60	−14 51.2	1.942	2.910	6.5	20.0
9 28	22 40.12	−15 42.2	1.999	2.909	9.9	20.2
10 8	22 36.31	−16 16.4	2.079	2.910	13.0	20.4

73208 2002 JK_{19} 9 4.6 78°.85 3°.6/ 1.7 18

7 30	23 20.22	−11 21.9	1.366	2.242	16.9	19.5
8 9	23 16.08	−12 29.0	1.312	2.252	12.7	19.3
8 19	23 9.29	−13 46.3	1.279	2.262	8.1	19.1
8 29	23 0.64	−15 5.0	1.269	2.272	4.1	18.9
9 8	22 51.31	−16 15.1	1.285	2.282	4.9	19.0
9 18	22 42.59	−17 8.3	1.326	2.292	9.1	19.2
9 28	22 35.68	−17 39.6	1.390	2.301	13.4	19.5
10 8	22 31.35	−17 47.8	1.474	2.311	17.0	19.8

120824 1998 HG_{109} 9 4.6 72°.74 2°.0/ 2.6 18

7 30	23 17.32	− 6 53.6	1.642	2.503	15.3	19.7
8 9	23 13.36	− 8 16.9	1.592	2.524	11.4	19.5
8 19	23 7.27	− 9 53.1	1.564	2.545	7.2	19.3
8 29	22 59.76	−11 34.1	1.562	2.566	3.0	19.1
9 8	22 51.78	−13 10.7	1.587	2.588	3.2	19.2
9 18	22 44.32	−14 34.5	1.639	2.609	7.3	19.5
9 28	22 38.31	−15 39.6	1.716	2.630	11.1	19.8
10 8	22 34.40	−16 23.3	1.816	2.650	14.4	20.0

391989 2008 YH_{26} 9 4.6 218°.65 5°.8/10.7 18

7 30	23 18.36	+12 3.9	2.214	2.970	15.2	20.9
8 9	23 13.95	+12 24.8	2.120	2.964	12.9	20.7
8 19	23 7.66	+12 26.3	2.045	2.958	10.2	20.6
8 29	22 59.98	+12 7.2	1.993	2.951	7.6	20.4
9 8	22 51.62	+11 29.0	1.968	2.944	5.9	20.3
9 18	22 43.40	+10 34.9	1.969	2.936	6.5	20.3
9 28	22 36.20	+ 9 30.8	1.997	2.928	8.8	20.4
10 8	22 30.71	+ 8 23.5	2.051	2.920	11.6	20.6

339388 2005 BY_{8} 9 4.6 261°.33 1°.7/ 6.1 18

7 30	23 19.01	− 0 38.6	1.965	2.791	14.5	21.2
8 9	23 14.67	− 0 44.5	1.870	2.777	11.4	21.0
8 19	23 8.25	− 1 4.8	1.797	2.762	7.8	20.7
8 29	23 0.25	− 1 37.4	1.748	2.747	3.9	20.5
9 8	22 51.47	− 2 18.6	1.726	2.731	1.9	20.3
9 18	22 42.84	− 3 3.2	1.732	2.716	5.5	20.5
9 28	22 35.31	− 3 45.6	1.765	2.700	9.5	20.7
10 8	22 29.69	− 4 20.7	1.822	2.683	13.1	20.9

187832 1999 VU_{95} 9 4.6 332°.19 3°.2/ 8.2 18

7 30	23 14.04	+ 5 20.3	2.107	2.912	14.4	19.9
8 9	23 10.65	+ 5 7.5	2.021	2.909	11.6	19.7
8 19	23 5.51	+ 4 36.7	1.956	2.905	8.4	19.5
8 29	22 59.09	+ 3 49.3	1.915	2.902	5.2	19.3
9 8	22 52.10	+ 2 49.1	1.900	2.899	3.2	19.1
9 18	22 45.31	+ 1 41.1	1.913	2.896	5.1	19.2
9 28	22 39.54	+ 0 31.9	1.953	2.894	8.3	19.4
10 8	22 35.41	− 0 32.4	2.018	2.891	11.5	19.6

469608 2004 HV_{23} 9 4.6 63°.14 5°.5/ 9.6 17

7 30	23 18.45	+ 9 10.9	1.451	2.257	19.6	21.4
8 9	23 14.52	+ 9 11.0	1.395	2.277	16.1	21.2
8 19	23 8.19	+ 8 44.2	1.356	2.297	12.1	21.0
8 29	23 0.19	+ 7 51.3	1.338	2.318	8.0	20.8
9 8	22 51.60	+ 6 37.4	1.345	2.338	5.5	20.7
9 18	22 43.58	+ 5 10.9	1.377	2.359	6.9	20.9
9 28	22 37.20	+ 3 41.7	1.435	2.379	10.4	21.1
10 8	22 33.19	+ 2 19.1	1.515	2.400	14.0	21.4

180942 2005 MB_{3} 9 4.6 21°.92 3°.5/ 2.3 18

7 30	23 15.48	−10 50.5	0.990	1.891	19.7	18.8
8 9	23 13.10	−11 37.7	0.949	1.902	14.8	18.5
8 19	23 7.63	−12 36.8	0.926	1.914	9.4	18.3
8 29	23 0.02	−13 38.2	0.923	1.928	4.4	18.0
9 8	22 51.72	−14 31.0	0.943	1.943	4.9	18.1
9 18	22 44.25	−15 6.3	0.984	1.960	9.9	18.5
9 28	22 38.96	−15 19.0	1.046	1.978	14.7	18.8
10 8	22 36.61	−15 8.6	1.127	1.997	18.8	19.1

363664 2004 TD_{31} 9 4.6 333°.75 4°.3/ 9.3 18

7 30	23 13.75	+ 8 6.1	2.090	2.882	14.9	20.4
8 9	23 10.48	+ 8 3.1	2.002	2.877	12.3	20.2
8 19	23 5.44	+ 7 40.7	1.934	2.872	9.2	20.0
8 29	22 59.09	+ 6 59.4	1.889	2.867	6.2	19.8
9 8	22 52.14	+ 6 2.1	1.871	2.863	4.3	19.7
9 18	22 45.38	+ 4 53.9	1.879	2.859	5.5	19.8
9 28	22 39.64	+ 3 41.1	1.914	2.855	8.4	20.0
10 8	22 35.56	+ 2 30.8	1.975	2.852	11.6	20.2

22623 Fisico 9 4.6 68°.47 0°.9/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.59	− 0 49.7	1.367	2.218	18.3	19.0
8 9	23 14.76	− 1 29.6	1.311	2.233	14.1	18.7
8 19	23 8.41	− 2 30.2	1.274	2.248	9.3	18.5
8 29	23 0.30	− 3 45.9	1.260	2.263	4.1	18.2
9 8	22 51.56	− 5 8.4	1.272	2.278	1.7	18.1
9 18	22 43.40	− 6 28.2	1.309	2.293	6.7	18.5
9 28	22 36.95	− 7 36.7	1.371	2.308	11.4	18.8
10 8	22 32.97	− 8 28.2	1.454	2.323	15.4	19.1

159049 2004 TH_{126} 9 4.6 293°.18 4°.4/31.3 18

7 30	23 19.44	−18 49.8	2.181	3.044	11.9	19.9
8 9	23 14.73	−19 28.8	2.106	3.036	9.1	19.7
8 19	23 8.11	−20 8.5	2.054	3.028	6.3	19.6
8 29	23 0.15	−20 43.5	2.029	3.020	4.4	19.4
9 8	22 51.62	−21 8.1	2.031	3.013	5.2	19.5
9 18	22 43.40	−21 18.5	2.060	3.005	7.9	19.6
9 28	22 36.34	−21 12.6	2.115	2.997	10.8	19.8
10 8	22 31.09	−20 50.2	2.192	2.990	13.5	20.0

478571 2012 TZ_{69} 9 4.6 3°.78 2°.3/ 3.2 18

7 30	23 17.77	−10 50.8	1.159	2.047	18.3	20.4
8 9	23 14.68	−10 59.2	1.100	2.046	14.0	20.2
8 19	23 8.64	−11 17.0	1.061	2.046	9.0	19.9
8 29	23 0.47	−11 38.3	1.042	2.048	3.8	19.6
9 8	22 51.46	−11 55.6	1.047	2.051	3.6	19.6
9 18	22 43.07	−12 2.6	1.075	2.055	8.6	19.9
9 28	22 36.65	−11 55.0	1.126	2.061	13.6	20.2
10 8	22 33.08	−11 31.3	1.195	2.067	17.8	20.5

270994 2002 XV_{39} 9 4.6 276°.01 1°.8/ 3.1 18

7 30	23 19.27	− 8 18.8	1.603	2.465	15.5	21.3
8 9	23 15.35	− 8 59.9	1.516	2.448	11.9	21.1
8 19	23 8.95	− 9 54.0	1.450	2.431	7.7	20.8
8 29	23 0.63	−10 55.4	1.408	2.413	3.2	20.5
9 8	22 51.33	−11 56.5	1.393	2.396	3.1	20.4
9 18	22 42.22	−12 49.8	1.404	2.378	7.7	20.7
9 28	22 34.51	−13 28.5	1.439	2.360	12.3	20.9
10 8	22 29.13	−13 49.0	1.496	2.342	16.3	21.1

470609 2008 RO_{47} 9 4.6 351°.34 0°.8/ 4.0 18

7 30	23 14.47	− 6 24.8	1.202	2.084	18.3	20.6
8 9	23 12.15	− 6 46.8	1.135	2.077	14.0	20.4
8 19	23 7.06	− 7 24.9	1.087	2.070	9.1	20.1
8 29	22 59.87	− 8 13.7	1.060	2.065	3.6	19.7
9 8	22 51.75	− 9 4.9	1.056	2.062	2.4	19.7
9 18	22 44.06	− 9 50.0	1.076	2.059	8.0	20.0
9 28	22 38.14	−10 21.6	1.118	2.058	13.2	20.3
10 8	22 34.92	−10 35.1	1.180	2.058	17.6	20.5

164423 2006 BZ_{136} 9 4.6 21°.21 5°.5/31.7 17

7 30	23 12.28	−11 40.7	0.848	1.763	20.7	18.8
8 9	23 11.10	−13 14.6	0.811	1.771	15.5	18.5
8 19	23 6.56	−15 2.5	0.791	1.781	10.0	18.3
8 29	22 59.65	−16 49.8	0.790	1.793	5.8	18.1
9 8	22 51.93	−18 20.6	0.811	1.807	7.3	18.3
9 18	22 45.08	−19 22.8	0.852	1.821	12.2	18.6
9 28	22 40.56	−19 50.7	0.912	1.837	17.0	18.9
10 8	22 39.18	−19 45.3	0.988	1.855	21.2	19.3

204043 2003 UY_{177} 9 4.6 231°.36 4°.7/31.1 18

7 30	23 22.91	−19 44.2	2.188	3.045	12.1	20.4
8 9	23 17.42	−20 28.7	2.109	3.035	9.4	20.3
8 19	23 9.89	−21 13.6	2.054	3.024	6.6	20.1
8 29	23 0.89	−21 52.8	2.025	3.013	4.8	19.9
9 8	22 51.25	−22 20.4	2.024	3.001	5.6	20.0
9 18	22 41.91	−22 32.3	2.050	2.989	8.3	20.1
9 28	22 33.78	−22 26.4	2.103	2.977	11.2	20.3
10 8	22 27.58	−22 2.9	2.177	2.964	13.9	20.4

353075 2009 DO_{94} 9 4.6 274°.59 2°.3/ 2.2 18

7 30	23 16.38	−10 1.1	1.932	2.792	13.3	20.8
8 9	23 12.64	−10 57.9	1.852	2.784	10.1	20.6
8 19	23 6.91	−12 4.5	1.795	2.776	6.4	20.4
8 29	22 59.71	−13 15.1	1.764	2.767	3.0	20.1
9 8	22 51.85	−14 22.6	1.760	2.759	3.4	20.2
9 18	22 44.24	−15 20.5	1.784	2.751	7.1	20.4
9 28	22 37.78	−16 3.5	1.833	2.742	10.8	20.6
10 8	22 33.19	−16 29.0	1.905	2.734	14.0	20.8

490498 2009 UR_{28} 9 4.6 292°.68 0°.1/ 4.5 15

7 30	23 18.46	− 4 35.2	1.561	2.416	16.2	22.7
8 9	23 14.94	− 5 0.5	1.462	2.389	12.7	22.4
8 19	23 8.84	− 5 42.1	1.384	2.361	8.4	22.0
8 29	23 0.66	− 6 36.4	1.328	2.333	3.4	21.7
9 8	22 51.31	− 7 37.1	1.299	2.305	1.9	21.5
9 18	22 41.98	− 8 36.3	1.295	2.276	7.2	21.8
9 28	22 33.97	− 9 26.1	1.316	2.248	12.3	22.0
10 8	22 28.33	−10 0.8	1.358	2.220	16.7	22.2

95651 2002 GQ_{101} 9 4.6 28.°58 3.°1/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.99	−13 36.5	1.917	2.784	13.1	19.1
8 9	23 12.96	−14 18.2	1.856	2.790	9.9	18.9
8 19	23 6.99	−15 4.9	1.817	2.797	6.4	18.7
8 29	22 59.70	−15 50.8	1.803	2.804	3.5	18.6
9 8	22 51.90	−16 29.8	1.817	2.812	4.1	18.6
9 18	22 44.51	−16 57.2	1.857	2.819	7.3	18.8
9 28	22 38.39	−17 9.7	1.923	2.828	10.6	19.0
10 8	22 34.14	−17 6.3	2.011	2.836	13.5	19.3

62382 2000 SM_{156} 9 4.6 196.°13 2.°8/ 8.1 18

7 30	23 14.94	+ 5 29.3	2.477	3.269	12.8	19.5
8 9	23 11.07	+ 5 7.0	2.387	3.267	10.3	19.3
8 19	23 5.67	+ 4 28.7	2.319	3.265	7.5	19.1
8 29	22 59.16	+ 3 35.9	2.277	3.263	4.5	19.0
9 8	22 52.16	+ 2 32.2	2.262	3.261	2.8	18.8
9 18	22 45.34	+ 1 22.1	2.276	3.258	4.5	18.9
9 28	22 39.39	+ 0 11.3	2.319	3.255	7.4	19.1
10 8	22 34.87	− 0 54.8	2.387	3.252	10.3	19.3

508838 2002 AB_{50} 9 4.6 174.°42 4.°5/ 9.3 18

7 30	23 20.97	+ 8 24.3	2.310	3.079	14.3	22.1
8 9	23 15.77	+ 8 39.5	2.222	3.082	11.8	21.9
8 19	23 8.75	+ 8 37.9	2.156	3.084	9.0	21.7
8 29	23 0.43	+ 8 19.5	2.114	3.086	6.2	21.6
9 8	22 51.51	+ 7 46.0	2.100	3.087	4.5	21.5
9 18	22 42.82	+ 7 1.3	2.114	3.088	5.6	21.5
9 28	22 35.16	+ 6 10.4	2.156	3.088	8.2	21.7
10 8	22 29.19	+ 5 19.0	2.224	3.087	11.0	21.9

505801 2015 BT_{355} 9 4.6 294.°32 3.°0/ 2.3 18

7 30	23 17.85	− 9 22.7	1.322	2.200	17.2	21.6
8 9	23 14.85	−10 20.4	1.236	2.177	13.2	21.3
8 19	23 8.96	−11 34.3	1.170	2.155	8.5	21.0
8 29	23 0.75	−12 57.2	1.127	2.132	3.9	20.7
9 8	22 51.28	−14 18.6	1.109	2.109	4.5	20.6
9 18	22 41.95	−15 27.8	1.114	2.087	9.6	20.9
9 28	22 34.24	−16 16.0	1.143	2.064	14.7	21.1
10 8	22 29.28	−16 39.0	1.190	2.042	19.3	21.3

418056 2007 VU_{154} 9 4.6 18.°11 3.°7/ 6.9 17

7 30	23 17.57	+ 0 43.0	1.000	1.870	22.0	20.0
8 9	23 14.83	+ 1 10.8	0.947	1.875	17.5	19.8
8 19	23 8.90	+ 1 14.7	0.909	1.882	12.3	19.5
8 29	23 0.63	+ 0 56.1	0.891	1.890	6.8	19.2
9 8	22 51.43	+ 0 20.4	0.895	1.898	3.8	19.1
9 18	22 42.91	− 0 24.0	0.920	1.908	7.8	19.4
9 28	22 36.57	− 1 7.5	0.967	1.920	13.1	19.7
10 8	22 33.33	− 1 41.6	1.033	1.932	17.8	20.0

376248 2011 EU_{82} 9 4.6 274.°46 0.°7/ 5.3 18

7 30	23 15.89	+ 0 4.6	1.643	2.483	16.2	21.3
8 9	23 12.75	− 0 53.7	1.548	2.464	12.7	21.1
8 19	23 7.28	− 2 15.0	1.473	2.445	8.5	20.8
8 29	22 59.98	− 3 55.3	1.423	2.425	3.8	20.4
9 8	22 51.72	− 5 46.8	1.399	2.405	1.6	20.2
9 18	22 43.55	− 7 39.5	1.402	2.385	6.6	20.5
9 28	22 36.64	− 9 22.9	1.432	2.365	11.4	20.8
10 8	22 31.88	−10 48.7	1.484	2.344	15.7	21.0

98798 2000 YW_{111} 9 4.6 235.°17 0.°1/ 4.5 18

7 30	23 19.93	− 5 31.2	1.982	2.823	13.8	20.6
8 9	23 15.29	− 5 50.7	1.896	2.815	10.6	20.4
8 19	23 8.61	− 6 21.2	1.833	2.807	6.9	20.2
8 29	23 0.42	− 6 59.2	1.794	2.798	2.8	19.9
9 8	22 51.54	− 7 39.9	1.784	2.789	1.5	19.8
9 18	22 42.88	− 8 18.0	1.801	2.780	5.8	20.1
9 28	22 35.40	− 8 48.7	1.845	2.771	9.7	20.3
10 8	22 29.82	− 9 8.5	1.913	2.761	13.2	20.5

128572 2004 PN_{101} 9 4.6 342.°64 5.°8/31.9 18

7 30	23 28.06	−23 31.7	1.849	2.707	13.9	18.5
8 9	23 21.58	−23 37.8	1.776	2.700	11.0	18.3
8 19	23 12.65	−23 38.6	1.726	2.693	8.0	18.1
8 29	23 2.02	−23 28.0	1.702	2.687	5.9	18.0
9 8	22 50.77	−23 1.0	1.705	2.682	6.6	18.0
9 18	22 40.09	−22 15.6	1.734	2.677	9.3	18.2
9 28	22 31.09	−21 12.4	1.790	2.673	12.4	18.3
10 8	22 24.50	−19 54.1	1.868	2.669	15.4	18.5

307189 2002 EU_{124} 9 4.6 111.°43 3.°1/ 1.5 18

7 30	23 20.72	−12 59.0	1.976	2.833	13.2	21.2
8 9	23 15.66	−13 57.6	1.921	2.851	9.9	21.0
8 19	23 8.66	−15 1.6	1.889	2.868	6.4	20.9
8 29	23 0.36	−16 4.5	1.884	2.884	3.4	20.7
9 8	22 51.63	−16 59.8	1.907	2.900	4.1	20.8
9 18	22 43.35	−17 42.3	1.958	2.916	7.3	21.0
9 28	22 36.41	−18 8.5	2.034	2.931	10.5	21.2
10 8	22 31.39	−18 17.6	2.134	2.946	13.3	21.5

378611 2008 FY_{15} 9 4.6 200.°29 1.°0/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.12	− 5 12.9	1.657	2.511	15.5	20.6
8 9	23 14.23	− 6 12.2	1.582	2.509	11.8	20.4
8 19	23 8.08	− 7 27.3	1.529	2.508	7.6	20.2
8 29	23 0.25	− 8 52.2	1.501	2.506	3.0	19.9
9 8	22 51.68	−10 18.6	1.499	2.504	2.4	19.8
9 18	22 43.43	−11 38.1	1.525	2.501	7.0	20.1
9 28	22 36.56	−12 43.2	1.576	2.498	11.3	20.4
10 8	22 31.86	−13 29.5	1.649	2.495	15.0	20.6

376428 2012 HQ_{7} 9 4.6 73.°89 0.°3/ 4.9 17

7 30	23 20.72	− 3 8.8	1.421	2.274	17.6	21.3
8 9	23 16.28	− 3 38.9	1.367	2.291	13.5	21.1
8 19	23 9.36	− 4 25.9	1.333	2.308	8.8	20.8
8 29	23 0.72	− 5 24.4	1.322	2.325	3.7	20.6
9 8	22 51.50	− 6 26.9	1.337	2.343	1.7	20.5
9 18	22 42.90	− 7 25.6	1.377	2.360	6.7	20.9
9 28	22 36.02	− 8 13.5	1.443	2.377	11.2	21.2
10 8	22 31.60	− 8 46.3	1.530	2.394	15.1	21.5

44872 1999 UA_{41} 9 4.6 54.°90 3.°4/ 6.9 18

7 30	23 21.86	+ 1 19.9	1.329	2.169	19.3	18.3
8 9	23 17.43	+ 1 39.2	1.268	2.180	15.4	18.1
8 19	23 10.27	+ 1 38.6	1.226	2.190	10.8	17.8
8 29	23 1.15	+ 1 19.3	1.205	2.201	6.0	17.6
9 8	22 51.27	+ 0 46.1	1.209	2.212	3.4	17.5
9 18	22 41.97	+ 0 5.3	1.238	2.223	6.8	17.7
9 28	22 34.50	− 0 35.4	1.291	2.235	11.4	18.0
10 8	22 29.70	− 1 9.2	1.366	2.246	15.5	18.3

180958 2005 MO_{33} 9 4.6 135.°30 0.°3/ 4.9 18

7 30	23 21.02	− 2 53.4	1.800	2.636	15.2	21.1
8 9	23 16.13	− 3 28.9	1.733	2.648	11.7	20.9
8 19	23 9.12	− 4 19.0	1.687	2.658	7.6	20.7
8 29	23 0.62	− 5 19.2	1.666	2.669	3.2	20.5
9 8	22 51.55	− 6 23.5	1.672	2.679	1.4	20.3
9 18	22 42.89	− 7 25.0	1.707	2.688	5.9	20.7
9 28	22 35.60	− 8 17.7	1.768	2.696	9.9	20.9
10 8	22 30.39	− 8 57.4	1.853	2.704	13.4	21.2

402322 2005 TF_{177} 9 4.6 276.°98 5.°8/27.9 18

7 30	23 16.31	−22 8.6	2.341	3.209	11.0	21.0
8 9	23 12.46	−23 37.3	2.259	3.188	8.7	20.8
8 19	23 6.77	−25 7.3	2.203	3.167	6.6	20.6
8 29	22 59.71	−26 31.3	2.172	3.147	5.8	20.5
9 8	22 51.97	−27 42.2	2.170	3.125	7.0	20.6
9 18	22 44.36	−28 34.4	2.193	3.104	9.3	20.7
9 28	22 37.74	−29 4.7	2.242	3.083	11.9	20.8
10 8	22 32.79	−29 12.8	2.311	3.061	14.2	21.0

123913 2001 DW_{93} 9 4.6 94.°26 0.°7/ 3.8 18

7 30	23 15.33	− 6 11.7	2.343	3.186	11.9	20.2
8 9	23 11.37	− 6 55.3	2.274	3.195	9.0	20.0
8 19	23 5.85	− 7 48.3	2.228	3.204	5.7	19.8
8 29	22 59.25	− 8 46.6	2.209	3.213	2.2	19.6
9 8	22 52.24	− 9 45.1	2.218	3.223	1.7	19.6
9 18	22 45.50	−10 38.9	2.256	3.232	5.1	19.8
9 28	22 39.75	−11 23.6	2.321	3.241	8.3	20.1
10 8	22 35.49	−11 56.5	2.411	3.249	11.1	20.3

95311 2002 CZ_{102} 9 4.6 180.°62 1.°3/ 3.1 18

7 30	23 16.18	− 8 31.6	2.315	3.163	11.8	20.0
8 9	23 12.10	− 9 13.8	2.238	3.163	8.9	19.9
8 19	23 6.38	−10 4.2	2.186	3.164	5.7	19.7
8 29	22 59.49	−10 58.4	2.159	3.164	2.3	19.4
9 8	22 52.11	−11 51.4	2.161	3.164	2.3	19.4
9 18	22 44.99	−12 38.3	2.192	3.163	5.6	19.7
9 28	22 38.84	−13 14.9	2.249	3.163	8.8	19.9
10 8	22 34.26	−13 38.7	2.331	3.163	11.7	20.1

400986 2011 AZ_{27} 9 4.6 316.°76 9.°3/22.6 18

7 30	23 13.84	−27 49.3	1.886	2.765	12.7	19.7
8 9	23 11.18	−30 18.6	1.819	2.744	10.6	19.6
8 19	23 6.26	−32 46.7	1.777	2.723	9.4	19.4
8 29	22 59.59	−35 1.7	1.761	2.703	9.6	19.4
9 8	22 52.01	−36 52.8	1.771	2.683	11.3	19.5
9 18	22 44.57	−38 12.4	1.803	2.663	13.6	19.6
9 28	22 38.37	−38 57.5	1.857	2.644	16.1	19.7
10 8	22 34.31	−39 9.3	1.927	2.625	18.3	19.9

56024 1998 VA_{30} 9 4.6 288.°36 4.°2/ 1.4 18

7 30	23 20.92	−14 22.8	1.530	2.404	15.5	19.2
8 9	23 16.82	−15 9.6	1.447	2.385	11.9	18.9
8 19	23 10.02	−16 3.8	1.385	2.366	7.9	18.6
8 29	23 1.15	−16 58.0	1.346	2.346	4.6	18.4
9 8	22 51.23	−17 43.8	1.334	2.327	5.4	18.4
9 18	22 41.55	−18 13.6	1.346	2.308	9.5	18.6
9 28	22 33.42	−18 22.8	1.382	2.289	13.8	18.8
10 8	22 27.81	−18 10.1	1.439	2.270	17.6	19.0

436933 2012 TC_{125} 9 4.6 10°.65 7°.2/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.26	+13 37.5	1.058	1.890	23.7	19.7
8 9	23 5.29	+13 21.5	1.001	1.894	20.0	19.5
8 19	23 2.68	+12 23.4	0.958	1.901	15.6	19.3
8 29	22 58.14	+10 43.2	0.933	1.909	11.0	19.0
9 8	22 52.80	+ 8 28.4	0.928	1.920	7.6	18.9
9 18	22 47.95	+ 5 53.0	0.946	1.932	8.1	19.0
9 28	22 44.82	+ 3 15.0	0.986	1.947	11.8	19.2
10 8	22 44.22	+ 0 51.2	1.048	1.963	16.1	19.5

88104 2000 WT_{81} 9 4.6 353°.33 4°.9/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.70	+ 8 12.6	1.978	2.769	15.6	18.8
8 9	23 12.08	+ 8 28.5	1.894	2.767	12.9	18.7
8 19	23 6.55	+ 8 25.2	1.830	2.766	9.8	18.5
8 29	22 59.62	+ 8 2.6	1.790	2.765	6.8	18.3
9 8	22 52.05	+ 7 23.0	1.774	2.764	4.9	18.2
9 18	22 44.70	+ 6 30.7	1.785	2.763	6.0	18.2
9 28	22 38.46	+ 5 32.0	1.823	2.763	8.9	18.4
10 8	22 34.02	+ 4 33.6	1.885	2.763	12.0	18.6

252715 2002 CQ_{171} 9 4.6 192°.78 0°.8/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.64	− 8 36.0	2.438	3.277	11.6	20.6
8 9	23 14.63	− 8 50.9	2.357	3.276	8.8	20.4
8 19	23 7.96	− 9 12.2	2.299	3.275	5.6	20.2
8 29	23 0.13	− 9 36.7	2.269	3.273	2.2	20.0
9 8	22 51.81	−10 0.8	2.267	3.271	1.7	20.0
9 18	22 43.74	−10 20.7	2.294	3.269	5.1	20.2
9 28	22 36.67	−10 33.4	2.350	3.267	8.4	20.4
10 8	22 31.16	−10 36.8	2.430	3.264	11.2	20.6

374034 2004 FG_{115} 9 4.7 239°.12 4°.1/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.50	−14 50.4	1.680	2.546	14.7	20.8
8 9	23 17.66	−15 38.2	1.605	2.538	11.2	20.5
8 19	23 10.35	−16 31.8	1.551	2.530	7.4	20.3
8 29	23 1.21	−17 24.0	1.523	2.522	4.4	20.1
9 8	22 51.25	−18 7.0	1.521	2.513	5.2	20.1
9 18	22 41.65	−18 34.7	1.546	2.504	8.8	20.3
9 28	22 33.56	−18 43.2	1.595	2.495	12.7	20.5
10 8	22 27.82	−18 32.0	1.665	2.485	16.1	20.8

41268 1999 XO_{64} 9 4.7 234°.22 3°.4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.81	−25 48.0	4.799	5.651	6.1	20.2
8 9	23 7.30	−26 30.1	4.729	5.645	4.8	20.1
8 19	23 2.95	−27 10.1	4.685	5.638	3.8	20.1
8 29	22 58.03	−27 45.1	4.669	5.631	3.4	20.0
9 8	22 52.88	−28 12.9	4.682	5.625	4.0	20.1
9 18	22 47.85	−28 31.6	4.722	5.618	5.1	20.1
9 28	22 43.28	−28 40.2	4.789	5.611	6.3	20.2
10 8	22 39.48	−28 38.4	4.879	5.603	7.5	20.3

36063 1999 RD_{47} 9 4.7 162°.37 5°.9/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.30	−16 22.4	1.760	2.636	13.7	17.8
8 9	23 12.83	−18 34.8	1.699	2.637	10.4	17.6
8 19	23 7.16	−20 54.1	1.662	2.638	7.3	17.4
8 29	22 59.90	−23 9.5	1.652	2.639	5.9	17.4
9 8	22 51.92	−25 9.5	1.669	2.640	7.4	17.5
9 18	22 44.26	−26 45.5	1.713	2.640	10.5	17.6
9 28	22 37.92	−27 52.5	1.781	2.641	13.6	17.8
10 8	22 33.67	−28 29.9	1.869	2.641	16.4	18.0

506625 2006 GX_{52} 9 4.7 149°.55 0°.9/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.14	− 2 1.5	2.524	3.337	12.0	22.8
8 9	23 15.63	− 2 17.6	2.448	3.349	9.3	22.6
8 19	23 8.53	− 2 44.1	2.396	3.360	6.2	22.4
8 29	23 0.34	− 3 18.5	2.371	3.371	2.9	22.2
9 8	22 51.73	− 3 57.2	2.375	3.381	1.2	22.1
9 18	22 43.41	− 4 36.2	2.409	3.390	4.4	22.3
9 28	22 36.09	− 5 11.6	2.472	3.398	7.6	22.6
10 8	22 30.30	− 5 40.1	2.561	3.405	10.4	22.8

283616 2002 CL_{87} 9 4.7 169°.92 3°.4/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.12	−12 17.3	1.979	2.840	13.0	21.5
8 9	23 13.88	−13 39.4	1.911	2.843	9.8	21.3
8 19	23 7.68	−15 9.6	1.866	2.845	6.3	21.1
8 29	23 0.07	−16 40.5	1.848	2.847	3.6	20.9
9 8	22 51.86	−18 4.3	1.858	2.849	4.5	21.0
9 18	22 43.96	−19 14.0	1.896	2.850	7.8	21.2
9 28	22 37.26	−20 4.9	1.959	2.851	11.1	21.4
10 8	22 32.45	−20 35.1	2.045	2.851	14.0	21.6

35645 1998 KU_{60} 9 4.7 62°.94 0°.2/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.64	− 0 59.3	1.613	2.459	16.2	17.6
8 9	23 12.22	− 2 6.4	1.553	2.474	12.4	17.4
8 19	23 6.68	− 3 32.4	1.515	2.489	8.1	17.1
8 29	22 59.66	− 5 11.4	1.501	2.504	3.4	16.9
9 8	22 52.09	− 6 54.7	1.514	2.520	1.5	16.8
9 18	22 44.97	− 8 32.8	1.554	2.535	6.2	17.2
9 28	22 39.26	− 9 57.6	1.620	2.551	10.4	17.4
10 8	22 35.61	−11 3.7	1.709	2.567	14.0	17.7

444984 2008 FR_{25} 9 4.7 81°.12 1°.6/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 14.79	+ 1 29.8	2.178	2.997	13.5	21.6
8 9	23 11.09	+ 0 54.1	2.105	3.006	10.6	21.4
8 19	23 5.75	+ 0 2.9	2.054	3.016	7.2	21.2
8 29	22 59.25	− 1 0.6	2.028	3.026	3.7	21.0
9 8	22 52.29	− 2 11.7	2.030	3.035	1.7	20.9
9 18	22 45.62	− 3 24.4	2.061	3.045	4.7	21.1
9 28	22 39.97	− 4 32.8	2.119	3.054	8.1	21.3
10 8	22 35.91	− 5 31.9	2.202	3.063	11.2	21.5

274965 2009 SL_{333} 9 4.7 317°.48 2°.6/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.43	+ 1 25.2	1.278	2.134	19.0	20.8
8 9	23 11.51	+ 1 15.1	1.186	2.109	15.3	20.5
8 19	23 6.87	+ 0 40.5	1.113	2.084	10.7	20.2
8 29	22 59.98	− 0 17.5	1.061	2.060	5.7	19.9
9 8	22 51.84	− 1 33.4	1.031	2.036	2.7	19.6
9 18	22 43.76	− 2 58.1	1.025	2.013	7.3	19.8
9 28	22 37.19	− 4 20.2	1.042	1.992	12.8	20.0
10 8	22 33.27	− 5 29.6	1.079	1.971	17.8	20.3

44753 1999 TJ_{102} 9 4.7 186°.81 8°.0/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.66	−25 41.9	1.851	2.723	13.3	18.5
8 9	23 15.35	−27 21.2	1.797	2.723	10.7	18.3
8 19	23 8.75	−28 57.1	1.766	2.723	8.6	18.2
8 29	23 0.53	−30 19.8	1.761	2.723	8.0	18.2
9 8	22 51.65	−31 21.1	1.780	2.723	9.3	18.2
9 18	22 43.19	−31 55.6	1.825	2.722	11.6	18.4
9 28	22 36.19	−32 1.9	1.891	2.721	14.2	18.6
10 8	22 31.39	−31 42.2	1.977	2.721	16.5	18.7

8901 1995 UJ_{4} 9 4.7 139°.08 5°.1/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.83	−21 13.5	2.257	3.119	11.6	16.7
8 9	23 14.93	−22 6.7	2.195	3.123	9.0	16.6
8 19	23 8.21	−22 58.9	2.158	3.126	6.5	16.4
8 29	23 0.24	−23 43.9	2.146	3.129	5.1	16.4
9 8	22 51.81	−24 16.3	2.163	3.133	6.0	16.4
9 18	22 43.75	−24 32.4	2.206	3.136	8.3	16.6
9 28	22 36.87	−24 30.3	2.274	3.139	10.9	16.7
10 8	22 31.77	−24 10.7	2.364	3.141	13.2	16.9

487725 2015 RR_{88} 9 4.7 337°.56 5°.9/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.80	+ 9 3.3	1.888	2.676	16.4	20.7
8 9	23 13.09	+ 9 40.7	1.801	2.669	13.7	20.5
8 19	23 7.31	+ 9 59.1	1.733	2.662	10.7	20.3
8 29	22 59.98	+ 9 57.2	1.687	2.656	7.7	20.1
9 8	22 51.90	+ 9 36.0	1.667	2.650	5.9	20.0
9 18	22 44.00	+ 8 59.0	1.672	2.645	6.8	20.0
9 28	22 37.25	+ 8 12.0	1.703	2.640	9.6	20.2
10 8	22 32.42	+ 7 22.0	1.757	2.636	12.7	20.4

198530 2004 XJ_{106} 9 4.7 252°.39 7°.1/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.19	−25 18.8	2.087	2.949	12.4	21.1
8 9	23 17.19	−26 37.7	2.009	2.931	10.0	20.9
8 19	23 9.96	−27 54.8	1.955	2.912	7.9	20.7
8 29	23 1.06	−29 1.6	1.928	2.893	7.2	20.7
9 8	22 51.36	−29 50.6	1.926	2.874	8.3	20.7
9 18	22 41.89	−30 16.5	1.950	2.854	10.7	20.8
9 28	22 33.71	−30 17.2	1.998	2.833	13.4	20.9
10 8	22 27.60	−29 53.9	2.066	2.812	15.9	21.1

191114 2002 EB_{81} 9 4.7 292°.67 0°.9/ 6.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.43	− 0 50.9	4.415	5.220	7.4	19.5
8 9	23 7.01	− 0 57.0	4.323	5.217	5.8	19.4
8 19	23 2.78	− 1 9.3	4.256	5.215	3.9	19.3
8 29	22 57.98	− 1 26.5	4.216	5.212	2.0	19.1
9 8	22 52.95	− 1 47.2	4.206	5.210	1.0	19.1
9 18	22 48.02	− 2 9.4	4.226	5.208	2.6	19.2
9 28	22 43.53	− 2 31.1	4.275	5.205	4.5	19.3
10 8	22 39.79	− 2 50.4	4.351	5.203	6.3	19.5

477860 2011 GH_{61} 9 4.7 38°.51 9°.6/28.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.80	−25 49.2	1.307	2.196	16.7	20.5
8 9	23 16.72	−27 21.5	1.275	2.211	13.3	20.3
8 19	23 9.76	−28 46.5	1.263	2.227	10.6	20.2
8 29	23 0.91	−29 52.2	1.274	2.243	9.6	20.2
9 8	22 51.53	−30 29.3	1.307	2.261	10.9	20.3
9 18	22 43.03	−30 34.0	1.363	2.278	13.5	20.5
9 28	22 36.60	−30 7.0	1.439	2.297	16.4	20.8
10 8	22 32.96	−29 13.1	1.533	2.315	19.0	21.0

29887 1999 GN_{34} 9 4.7 14°.47 0°.8/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.16	− 2 48.8	1.676	2.525	15.6	17.4
8 9	23 12.64	− 3 4.9	1.606	2.528	12.1	17.2
8 19	23 7.00	− 3 35.7	1.557	2.531	8.0	16.9
8 29	22 59.83	− 4 17.7	1.532	2.535	3.5	16.7
9 8	22 52.03	− 5 5.4	1.533	2.539	1.5	16.5
9 18	22 44.59	− 5 52.6	1.560	2.544	5.9	16.9
9 28	22 38.50	− 6 33.3	1.612	2.549	10.1	17.1
10 8	22 34.45	− 7 2.9	1.688	2.555	13.7	17.4

195142 2002 CM_{192} 9 4.7 85°.14 0°.0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.90	− 4 51.7	1.691	2.540	15.5	20.7
8 9	23 15.47	− 5 11.0	1.622	2.544	11.9	20.5
8 19	23 8.81	− 5 43.1	1.573	2.549	7.7	20.3
8 29	23 0.56	− 6 24.1	1.549	2.553	3.2	20.0
9 8	22 51.66	− 7 8.2	1.552	2.558	1.6	19.9
9 18	22 43.16	− 7 49.5	1.581	2.562	6.2	20.2
9 28	22 36.09	− 8 22.3	1.636	2.567	10.4	20.5
10 8	22 31.16	− 8 43.0	1.714	2.571	14.1	20.7

186698 2004 BU_{41} 9 4.7 128°.51 3°.7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.32	−12 58.5	1.702	2.567	14.6	20.5
8 9	23 16.52	−14 6.2	1.644	2.577	11.0	20.3
8 19	23 9.45	−15 21.0	1.607	2.587	7.1	20.1
8 29	23 0.80	−16 35.1	1.597	2.597	4.0	20.0
9 8	22 51.57	−17 40.3	1.613	2.606	4.8	20.0
9 18	22 42.81	−18 30.0	1.656	2.615	8.3	20.3
9 28	22 35.57	−19 0.1	1.724	2.623	12.0	20.5
10 8	22 30.55	−19 9.7	1.814	2.631	15.1	20.7

133364 2003 SS_{136} 9 4.7 35°.37 3°.5/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.50	+10 37.2	1.554	2.358	18.7	19.8
8 9	23 10.03	+ 9 12.5	1.481	2.366	15.2	19.6
8 19	23 5.39	+ 7 14.2	1.427	2.375	11.1	19.3
8 29	22 59.19	+ 4 46.4	1.396	2.384	6.6	19.1
9 8	22 52.37	+ 1 58.7	1.393	2.394	3.6	19.0
9 18	22 45.92	− 0 55.4	1.417	2.404	5.9	19.1
9 28	22 40.85	− 3 41.5	1.469	2.415	10.1	19.4
10 8	22 37.86	− 6 7.8	1.547	2.426	14.1	19.7

149876 2005 QL_{157} 9 4.7 312°.99 0°.1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.19	− 6 18.0	1.924	2.768	14.0	20.0
8 9	23 15.60	− 6 11.8	1.836	2.756	10.9	19.8
8 19	23 8.90	− 6 14.4	1.770	2.744	7.1	19.6
8 29	23 0.63	− 6 23.3	1.729	2.733	3.0	19.3
9 8	22 51.63	− 6 34.8	1.715	2.721	1.4	19.1
9 18	22 42.85	− 6 44.9	1.729	2.710	5.7	19.4
9 28	22 35.28	− 6 49.9	1.769	2.700	9.8	19.6
10 8	22 29.67	− 6 46.8	1.833	2.689	13.3	19.8

69425 1996 BC 9 4.7 278°.51 2°.2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.09	− 9 28.1	1.820	2.681	14.0	19.5
8 9	23 13.34	−10 21.3	1.741	2.673	10.6	19.3
8 19	23 7.48	−11 25.2	1.683	2.664	6.8	19.1
8 29	23 0.06	−12 33.8	1.652	2.655	3.0	18.8
9 8	22 51.92	−13 39.9	1.647	2.647	3.3	18.8
9 18	22 44.04	−14 36.7	1.669	2.638	7.2	19.0
9 28	22 37.38	−15 18.6	1.716	2.630	11.1	19.3
10 8	22 32.72	−15 42.6	1.786	2.621	14.6	19.5

133335 2003 SW_{98} 9 4.7 12°.25 8°.3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.01	+15 31.2	1.652	2.416	19.3	19.6
8 9	23 12.76	+16 7.0	1.575	2.417	16.6	19.4
8 19	23 7.22	+16 15.7	1.514	2.419	13.6	19.2
8 29	22 59.98	+15 54.7	1.474	2.421	10.7	19.0
9 8	22 51.96	+15 5.1	1.456	2.423	8.6	18.9
9 18	22 44.21	+13 51.6	1.462	2.426	8.7	18.9
9 28	22 37.83	+12 22.5	1.493	2.429	10.8	19.1
10 8	22 33.62	+10 48.4	1.547	2.432	13.7	19.3

129000 2004 TO_{247} 9 4.7 335°.48 2°.3/ 2.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.54	− 4 55.8	1.337	2.215	17.0	19.0
8 9	23 9.01	− 6 36.8	1.261	2.203	12.9	18.7
8 19	23 5.02	− 8 41.4	1.207	2.192	8.2	18.4
8 29	22 59.15	−11 1.0	1.176	2.181	3.3	18.1
9 8	22 52.37	−13 22.2	1.170	2.171	3.9	18.1
9 18	22 45.85	−15 31.2	1.189	2.163	8.9	18.4
9 28	22 40.80	−17 16.3	1.232	2.155	13.8	18.6
10 8	22 38.14	−18 31.2	1.295	2.148	18.0	18.9

193344 2000 UX_{14} 9 4.7 321°.17 9°.4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.40	+15 10.5	1.562	2.332	19.9	18.9
8 9	23 13.37	+16 8.6	1.474	2.320	17.4	18.7
8 19	23 7.83	+16 41.0	1.402	2.307	14.5	18.5
8 29	23 0.32	+16 43.4	1.350	2.296	11.6	18.3
9 8	22 51.76	+16 14.7	1.320	2.284	9.6	18.1
9 18	22 43.32	+15 17.8	1.313	2.274	9.8	18.1
9 28	22 36.24	+14 0.5	1.329	2.263	12.0	18.2
10 8	22 31.53	+12 33.4	1.367	2.254	15.1	18.4

78557 2002 RN_{140} 9 4.7 322°.99 5°.0/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.13	−15 13.8	1.615	2.496	14.4	18.7
8 9	23 12.16	−16 35.8	1.542	2.485	11.0	18.5
8 19	23 6.87	−18 5.5	1.492	2.473	7.4	18.3
8 29	22 59.86	−19 34.3	1.467	2.463	5.1	18.1
9 8	22 52.04	−20 52.3	1.467	2.453	6.3	18.2
9 18	22 44.51	−21 51.6	1.492	2.443	9.8	18.3
9 28	22 38.37	−22 26.9	1.541	2.434	13.5	18.6
10 8	22 34.44	−22 37.0	1.610	2.425	16.8	18.8

47361 1999 XL_{74} 9 4.7 299°.66 2°.4/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.67	− 8 42.0	1.382	2.256	16.8	19.8
8 9	23 14.59	− 9 29.3	1.297	2.235	12.9	19.5
8 19	23 8.77	−10 31.8	1.231	2.214	8.3	19.2
8 29	23 0.75	−11 43.1	1.188	2.193	3.6	18.8
9 8	22 51.58	−12 54.0	1.170	2.172	3.7	18.8
9 18	22 42.57	−13 54.9	1.177	2.152	8.8	19.0
9 28	22 35.11	−14 37.9	1.207	2.132	13.8	19.2
10 8	22 30.26	−14 58.8	1.257	2.112	18.2	19.5

479946 2014 HQ_{163} 9 4.7 223°.41 3°.8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.31	+ 6 49.6	2.132	2.922	14.7	21.9
8 9	23 13.24	+ 6 41.9	2.040	2.916	12.0	21.7
8 19	23 7.30	+ 6 15.6	1.967	2.909	8.9	21.5
8 29	22 59.98	+ 5 31.5	1.919	2.902	5.7	21.3
9 8	22 52.01	+ 4 32.6	1.898	2.894	3.8	21.2
9 18	22 44.20	+ 3 23.9	1.905	2.886	5.3	21.2
9 28	22 37.42	+ 2 12.0	1.939	2.877	8.5	21.4
10 8	22 32.34	+ 1 3.5	1.999	2.869	11.8	21.6

221456 2006 BA_{13} 9 4.7 234°.93 0°.0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.77	− 4 33.1	2.656	3.486	11.0	21.2
8 9	23 11.67	− 5 2.5	2.564	3.477	8.5	21.0
8 19	23 6.09	− 5 41.2	2.495	3.467	5.5	20.8
8 29	22 59.44	− 6 26.5	2.454	3.457	2.3	20.6
9 8	22 52.30	− 7 14.5	2.441	3.447	1.1	20.5
9 18	22 45.31	− 8 1.0	2.457	3.436	4.5	20.7
9 28	22 39.12	− 8 42.0	2.502	3.425	7.6	20.9
10 8	22 34.27	− 9 14.2	2.572	3.414	10.4	21.1

150636 2001 BR_{50} 9 4.7 133°.31 5°.9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.79	−27 20.3	2.562	3.405	11.0	19.7
8 9	23 19.93	−27 49.1	2.503	3.412	8.8	19.6
8 19	23 11.28	−28 11.8	2.468	3.419	6.8	19.4
8 29	23 1.48	−28 23.1	2.461	3.426	5.9	19.4
9 8	22 51.34	−28 19.0	2.481	3.432	6.6	19.4
9 18	22 41.69	−27 57.8	2.530	3.438	8.4	19.6
9 28	22 33.34	−27 19.4	2.605	3.444	10.5	19.7
10 8	22 26.83	−26 25.9	2.703	3.450	12.5	19.9

276999 2004 XA_{55} 9 4.7 340°.97 14°.2/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.74	−31 47.6	1.116	2.021	17.6	18.8
8 9	23 10.88	−34 12.8	1.066	2.002	15.4	18.6
8 19	23 6.71	−36 28.6	1.036	1.984	14.2	18.5
8 29	22 59.96	−38 17.5	1.025	1.967	14.7	18.4
9 8	22 52.03	−39 25.1	1.033	1.952	16.7	18.5
9 18	22 44.62	−39 43.6	1.059	1.939	19.5	18.6
9 28	22 39.39	−39 13.0	1.101	1.928	22.4	18.8
10 8	22 37.39	−37 59.4	1.155	1.919	25.0	19.0

210493 1997 SO_{23} 9 4.7 16°.98 1°.1/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.83	− 1 30.4	1.860	2.697	14.7	20.8
8 9	23 13.00	− 1 49.8	1.784	2.697	11.5	20.6
8 19	23 7.19	− 2 24.1	1.729	2.698	7.7	20.4
8 29	22 59.93	− 3 10.1	1.699	2.700	3.6	20.1
9 8	22 52.07	− 4 2.7	1.695	2.701	1.5	20.0
9 18	22 44.50	− 4 56.1	1.719	2.702	5.5	20.3
9 28	22 38.14	− 5 44.3	1.769	2.704	9.4	20.5
10 8	22 33.68	− 6 22.5	1.842	2.706	12.9	20.7

385303 2001 VQ_{49} 9 4.7 337°.13 3°.8/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.60	− 1 48.5	1.004	1.888	20.9	19.9
8 9	23 11.54	− 0 55.2	0.920	1.859	16.9	19.6
8 19	23 7.28	− 0 17.8	0.853	1.831	12.0	19.2
8 29	23 0.31	+ 0 2.7	0.805	1.805	6.7	18.8
9 8	22 51.78	+ 0 8.2	0.777	1.781	3.9	18.6
9 18	22 43.29	+ 0 2.9	0.770	1.760	8.5	18.7
9 28	22 36.65	− 0 5.8	0.782	1.741	14.4	19.0
10 8	22 33.25	− 0 10.3	0.812	1.724	19.8	19.2

335049 2004 RZ_{107} 9 4.7 24°.95 2°.3/ 6.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.78	+ 1 52.3	1.106	1.972	20.7	20.5
8 9	23 10.82	+ 1 22.6	1.058	1.986	16.2	20.3
8 19	23 6.14	+ 0 26.2	1.027	2.001	11.1	20.1
8 29	22 59.55	− 0 51.9	1.017	2.017	5.6	19.8
9 8	22 52.29	− 2 22.2	1.030	2.035	2.4	19.7
9 18	22 45.68	− 3 53.1	1.066	2.054	7.0	20.0
9 28	22 40.91	− 5 13.6	1.124	2.074	12.0	20.4
10 8	22 38.74	− 6 15.9	1.204	2.096	16.3	20.7

355755 2008 QS_{24} 9 4.7 335°.21 0°.0/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 9.57	− 5 13.2	4.189	5.016	7.4	21.3
8 9	23 6.44	− 5 37.0	4.103	5.014	5.6	21.2
8 19	23 2.46	− 6 6.2	4.041	5.013	3.6	21.1
8 29	22 57.90	− 6 38.9	4.008	5.011	1.5	20.9
9 8	22 53.10	− 7 12.9	4.004	5.010	0.7	20.8
9 18	22 48.41	− 7 45.9	4.030	5.008	2.9	21.0
9 28	22 44.18	− 8 15.7	4.085	5.007	5.0	21.2
10 8	22 40.74	− 8 40.3	4.167	5.006	6.8	21.3

225756 2001 SW_{161} 9 4.7 356°.32 1°.6/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.80	− 1 56.8	1.082	1.962	20.0	19.8
8 9	23 11.15	− 1 58.5	1.018	1.956	15.7	19.6
8 19	23 6.59	− 2 21.7	0.971	1.951	10.6	19.3
8 29	22 59.84	− 3 3.3	0.945	1.948	5.0	18.9
9 8	22 52.11	− 3 55.9	0.940	1.946	2.1	18.8
9 18	22 44.82	− 4 50.4	0.958	1.946	7.5	19.1
9 28	22 39.40	− 5 37.4	0.997	1.948	13.0	19.4
10 8	22 36.79	− 6 9.6	1.055	1.951	17.7	19.7

482429 2012 CK_{29} 9 4.7 153°.52 5°.9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.72	+15 17.2	2.940	3.648	12.8	21.8
8 9	23 15.29	+16 1.2	2.850	3.654	11.0	21.7
8 19	23 8.37	+16 29.9	2.782	3.661	9.0	21.5
8 29	23 0.36	+16 41.9	2.738	3.666	7.2	21.4
9 8	22 51.86	+16 37.3	2.721	3.672	6.1	21.4
9 18	22 43.52	+16 17.8	2.732	3.677	6.2	21.4
9 28	22 35.98	+15 46.8	2.771	3.681	7.5	21.5
10 8	22 29.82	+15 8.8	2.836	3.686	9.3	21.6

442831 2013 AD_{83} 9 4.7 83°.63 2°.2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.05	− 9 56.7	1.944	2.803	13.3	21.6
8 9	23 13.10	−10 48.6	1.873	2.804	10.1	21.4
8 19	23 7.21	−11 49.4	1.825	2.805	6.4	21.1
8 29	22 59.94	−12 53.5	1.803	2.806	2.9	20.9
9 8	22 52.10	−13 54.1	1.808	2.807	3.2	20.9
9 18	22 44.56	−14 45.3	1.840	2.808	6.8	21.2
9 28	22 38.22	−15 22.5	1.898	2.809	10.4	21.4
10 8	22 33.74	−15 43.1	1.979	2.810	13.5	21.6

172851 2005 EF_{28} 9 4.7 107°.67 1°.9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.08	− 9 4.4	1.510	2.370	16.4	20.5
8 9	23 18.09	− 9 41.1	1.450	2.381	12.4	20.3
8 19	23 10.60	−10 28.4	1.412	2.392	7.9	20.1
8 29	23 1.34	−11 19.9	1.398	2.402	3.3	19.9
9 8	22 51.45	−12 8.1	1.410	2.412	3.1	19.9
9 18	22 42.12	−12 46.4	1.448	2.422	7.6	20.2
9 28	22 34.50	−13 9.9	1.512	2.432	11.9	20.4
10 8	22 29.34	−13 16.5	1.597	2.441	15.5	20.7

16445 Klimt 9 4.7 220°.80 1°.7/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.33	+ 2 37.3	2.930	3.728	10.9	18.8
8 9	23 10.46	+ 2 7.0	2.832	3.720	8.6	18.6
8 19	23 5.27	+ 1 24.1	2.757	3.711	6.0	18.4
8 29	22 59.13	+ 0 30.4	2.709	3.702	3.3	18.2
9 8	22 52.55	− 0 30.8	2.690	3.693	1.7	18.1
9 18	22 46.09	− 1 35.5	2.700	3.683	3.8	18.2
9 28	22 40.33	− 2 39.2	2.740	3.673	6.6	18.4
10 8	22 35.76	− 3 37.6	2.806	3.662	9.2	18.6

12426 Racquetball 9 4.7 310°.69 2°.8/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.66	+ 1 18.7	1.442	2.282	18.1	17.4
8 9	23 15.08	+ 1 21.6	1.363	2.275	14.4	17.2
8 19	23 8.93	+ 1 4.6	1.302	2.268	10.1	16.9
8 29	23 0.79	+ 0 29.0	1.264	2.261	5.5	16.6
9 8	22 51.71	− 0 20.4	1.251	2.255	2.9	16.5
9 18	22 42.91	− 1 16.6	1.263	2.249	6.6	16.7
9 28	22 35.65	− 2 11.4	1.299	2.243	11.3	16.9
10 8	22 30.86	− 2 57.6	1.357	2.237	15.6	17.2

49042 1998 RD_2 9 4.7 282°.50 1°.2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.36	− 6 23.9	1.536	2.397	16.1	19.6
8 9	23 14.82	− 7 5.9	1.450	2.381	12.4	19.3
8 19	23 8.76	− 8 3.4	1.385	2.365	8.0	19.0
8 29	23 0.73	− 9 11.1	1.343	2.348	3.2	18.7
9 8	22 51.72	−10 21.2	1.328	2.332	2.6	18.6
9 18	22 42.90	−11 25.1	1.338	2.316	7.5	18.9
9 28	22 35.50	−12 15.4	1.373	2.299	12.3	19.1
10 8	22 30.46	−12 47.4	1.429	2.283	16.5	19.4

251247 2006 VV_{30} 9 4.7 42°.32 7°.8/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.32	+16 34.2	1.936	2.678	17.5	20.3
8 9	23 12.66	+17 7.5	1.860	2.685	15.1	20.1
8 19	23 7.01	+17 16.5	1.801	2.693	12.5	20.0
8 29	22 59.91	+16 59.3	1.763	2.700	9.9	19.8
9 8	22 52.18	+16 16.8	1.749	2.708	8.1	19.7
9 18	22 44.72	+15 13.0	1.759	2.716	8.1	19.8
9 28	22 38.46	+13 54.9	1.796	2.724	9.8	19.9
10 8	22 34.09	+12 31.0	1.856	2.733	12.2	20.1

142153 2002 RS_{24} 9 4.7 168°.28 0°.8/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.21	− 3 33.6	1.653	2.493	16.2	19.7
8 9	23 18.14	− 3 37.3	1.579	2.495	12.6	19.5
8 19	23 10.66	− 3 54.4	1.525	2.496	8.3	19.3
8 29	23 1.42	− 4 22.0	1.496	2.498	3.7	19.0
9 8	22 51.43	− 4 55.0	1.493	2.499	1.6	18.9
9 18	22 41.83	− 5 28.1	1.517	2.500	6.2	19.2
9 28	22 33.73	− 5 55.4	1.567	2.500	10.6	19.4
10 8	22 27.95	− 6 13.1	1.641	2.501	14.4	19.7

399674 2004 SN_{25} 9 4.7 114°.27 3°.7/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.85	−17 32.4	2.305	3.164	11.5	20.8
8 9	23 14.91	−18 7.7	2.238	3.166	8.8	20.6
8 19	23 8.23	−18 44.2	2.194	3.169	5.9	20.5
8 29	23 0.34	−19 16.8	2.177	3.171	3.9	20.4
9 8	22 51.99	−19 40.6	2.188	3.174	4.5	20.4
9 18	22 43.99	−19 52.1	2.227	3.176	7.1	20.6
9 28	22 37.11	−19 49.2	2.292	3.179	9.9	20.8
10 8	22 31.94	−19 31.9	2.380	3.181	12.5	20.9

210232 Zhangjinqiu 9 4.7 327°.46 1°.5/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.80	− 7 14.1	1.390	2.267	16.6	20.5
8 9	23 11.55	− 7 52.0	1.305	2.245	12.8	20.2
8 19	23 6.76	− 8 45.7	1.241	2.224	8.2	19.9
8 29	22 59.96	− 9 49.7	1.198	2.204	3.3	19.5
9 8	22 52.13	−10 55.8	1.180	2.185	2.9	19.5
9 18	22 44.48	−11 54.9	1.187	2.166	8.0	19.7
9 28	22 38.29	−12 39.2	1.216	2.149	13.0	19.9
10 8	22 34.54	−13 3.6	1.266	2.133	17.4	20.2

56327 1999 VH_{215} 9 4.7 26°.55 8°.1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.45	+13 2.2	1.904	2.659	17.4	18.1
8 9	23 17.38	+14 22.7	1.829	2.665	14.9	18.0
8 19	23 10.11	+15 23.9	1.772	2.672	12.2	17.8
8 29	23 1.21	+16 2.4	1.738	2.680	9.7	17.7
9 8	22 51.55	+16 17.1	1.729	2.688	8.2	17.6
9 18	22 42.16	+16 9.9	1.745	2.696	8.5	17.6
9 28	22 34.06	+15 45.6	1.786	2.705	10.4	17.8
10 8	22 28.05	+15 11.0	1.851	2.715	12.9	18.0

240360 2003 SU_{60} 9 4.7 330°.60 1°.6/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.75	− 0 38.0	1.477	2.329	17.1	20.2
8 9	23 12.05	− 0 53.5	1.395	2.316	13.5	19.9
8 19	23 6.94	− 1 28.2	1.332	2.305	9.2	19.7
8 29	22 59.99	− 2 19.5	1.293	2.294	4.5	19.4
9 8	22 52.14	− 3 21.6	1.277	2.283	1.9	19.2
9 18	22 44.52	− 4 26.7	1.287	2.273	6.4	19.4
9 28	22 38.31	− 5 26.4	1.321	2.264	11.2	19.7
10 8	22 34.40	− 6 13.9	1.377	2.256	15.5	19.9

422978 2003 OR_{23} 9 4.7 339°.50 0°.2/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 8.89	− 2 54.8	0.976	1.871	20.5	20.0
8 9	23 8.53	− 3 36.6	0.906	1.854	16.0	19.7
8 19	23 5.16	− 4 45.7	0.853	1.838	10.5	19.3
8 29	22 59.39	− 6 16.5	0.819	1.825	4.3	19.0
9 8	22 52.42	− 7 57.8	0.806	1.812	2.3	18.8
9 18	22 45.75	− 9 35.3	0.815	1.802	8.9	19.1
9 28	22 40.98	−10 55.4	0.843	1.793	14.9	19.4
10 8	22 39.23	−11 49.1	0.890	1.786	20.2	19.7

455171 1999 OM_4 9 4.7 77°.99 0°.0/ 4.0 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.12	− 8 24.2	44.994	45.826	0.7	23.8
8 9	22 56.55	− 8 28.0	44.913	45.829	0.5	23.8
8 19	22 55.92	− 8 32.1	44.858	45.832	0.3	23.7
8 29	22 55.24	− 8 36.3	44.831	45.835	0.1	23.7
9 8	22 54.55	− 8 40.6	44.834	45.839	0.1	23.7
9 18	22 53.87	− 8 44.8	44.866	45.842	0.3	23.7
9 28	22 53.22	− 8 48.7	44.927	45.845	0.5	23.8
10 8	22 52.62	− 8 52.1	45.014	45.848	0.7	23.8

507239 2011 BA_{15} 9 4.7 201°.47 1°.1/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.58	− 6 20.1	1.896	2.743	14.1	22.4
8 9	23 15.16	− 7 12.1	1.816	2.740	10.8	22.2
8 19	23 8.65	− 8 16.9	1.759	2.736	6.9	21.9
8 29	23 0.61	− 9 29.3	1.727	2.732	2.7	21.7
9 8	22 51.87	−10 42.2	1.723	2.727	2.3	21.6
9 18	22 43.39	−11 48.8	1.747	2.722	6.5	21.9
9 28	22 36.14	−12 43.0	1.798	2.716	10.4	22.1
10 8	22 30.85	−13 21.2	1.872	2.710	13.9	22.3

331120 2010 UJ_{75} 9 4.7 254°.16 2°.2/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.27	+ 1 45.5	1.701	2.526	16.4	21.2
8 9	23 15.32	+ 1 25.1	1.606	2.511	13.1	21.0
8 19	23 9.01	+ 0 44.6	1.531	2.494	9.1	20.7
8 29	23 0.85	− 0 13.9	1.480	2.477	4.8	20.4
9 8	22 51.72	− 1 25.5	1.456	2.460	2.3	20.2
9 18	22 42.70	− 2 43.0	1.458	2.442	6.1	20.4
9 28	22 34.95	− 3 57.7	1.486	2.424	10.6	20.7
10 8	22 29.37	− 5 2.5	1.538	2.406	14.8	20.9

159145 2004 XZ_{60} 9 4.7 338°.29 0°.0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.20	− 4 43.7	1.962	2.809	13.7	20.1
8 9	23 11.74	− 5 5.9	1.880	2.803	10.5	19.9
8 19	23 6.40	− 5 39.8	1.821	2.796	6.9	19.6
8 29	22 59.68	− 6 22.2	1.786	2.790	2.8	19.4
9 8	22 52.34	− 7 7.9	1.778	2.784	1.4	19.3
9 18	22 45.24	− 7 51.7	1.798	2.779	5.5	19.5
9 28	22 39.24	− 8 28.4	1.843	2.774	9.4	19.8
10 8	22 35.01	− 8 54.1	1.912	2.770	12.8	20.0

134171 2005 BM_{25} 9 4.7 107°.51 1°.6/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.82	− 8 56.7	1.853	2.707	14.1	20.2
8 9	23 15.26	− 9 31.2	1.786	2.714	10.7	20.0
8 19	23 8.64	−10 14.6	1.741	2.720	6.8	19.8
8 29	23 0.57	−11 2.0	1.721	2.726	2.8	19.5
9 8	22 51.93	−11 47.2	1.729	2.731	2.6	19.6
9 18	22 43.68	−12 24.9	1.764	2.737	6.5	19.8
9 28	22 36.75	−12 50.5	1.825	2.743	10.3	20.1
10 8	22 31.82	−13 1.9	1.909	2.748	13.6	20.3

259342 2003 FB_{133} 9 4.7 215°.67 1°.6/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 8.72	+ 4 0.2	4.729	5.510	7.3	20.7
8 9	23 5.74	+ 3 42.6	4.633	5.508	5.8	20.6
8 19	23 2.01	+ 3 17.3	4.561	5.505	4.2	20.5
8 29	22 57.77	+ 2 45.2	4.517	5.502	2.5	20.4
9 8	22 53.31	+ 2 8.1	4.501	5.500	1.6	20.3
9 18	22 48.93	+ 1 27.9	4.516	5.497	2.5	20.3
9 28	22 44.96	+ 0 47.0	4.560	5.494	4.2	20.5
10 8	22 41.66	+ 0 7.5	4.632	5.492	5.8	20.6

332012 2005 NO_{7} 9 4.7 108°.89 0°.8/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.09	− 5 41.3	1.625	2.476	15.9	21.1
8 9	23 16.42	− 6 23.2	1.564	2.489	12.1	20.9
8 19	23 9.47	− 7 18.5	1.524	2.502	7.7	20.7
8 29	23 0.91	− 8 21.6	1.509	2.514	3.0	20.4
9 8	22 51.77	− 9 25.2	1.521	2.526	2.1	20.4
9 18	22 43.12	−10 22.1	1.560	2.537	6.7	20.7
9 28	22 35.99	−11 6.4	1.624	2.549	10.9	21.0
10 8	22 31.11	−11 34.9	1.711	2.560	14.5	21.2

223573 2004 FK_{40} 9 4.7 97°.02 0°.2/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.24	− 4 5.5	1.606	2.450	16.3	21.0
8 9	23 17.28	− 4 28.5	1.546	2.466	12.5	20.8
8 19	23 10.01	− 5 5.5	1.507	2.481	8.1	20.5
8 29	23 1.13	− 5 52.0	1.493	2.496	3.4	20.3
9 8	22 51.68	− 6 41.7	1.505	2.511	1.5	20.2
9 18	22 42.77	− 7 28.3	1.544	2.525	6.3	20.5
9 28	22 35.43	− 8 5.8	1.609	2.539	10.5	20.8
10 8	22 30.38	− 8 30.5	1.696	2.553	14.2	21.1

503771 2016 QX_{31} 9 4.7 172°.08 1°.2/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.98	− 6 46.9	2.008	2.854	13.5	21.6
8 9	23 14.53	− 7 39.2	1.934	2.857	10.2	21.4
8 19	23 8.15	− 8 42.8	1.882	2.859	6.5	21.1
8 29	23 0.38	− 9 52.5	1.856	2.861	2.6	20.9
9 8	22 52.03	−11 2.0	1.859	2.862	2.3	20.9
9 18	22 43.97	−12 4.8	1.889	2.863	6.1	21.1
9 28	22 37.08	−12 55.6	1.947	2.863	9.9	21.4
10 8	22 32.03	−13 31.1	2.028	2.863	13.1	21.6

216633 2003 BH_{46} 9 4.7 290°.07 1°.6/ 3.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.66	+ 3 3.3	1.036	1.903	21.7	19.5
8 9	23 11.39	+ 0 14.8	0.959	1.894	16.8	19.2
8 19	23 7.05	− 3 24.7	0.902	1.884	10.8	18.8
8 29	23 0.20	− 7 43.3	0.868	1.874	4.0	18.4
9 8	22 52.05	−12 16.6	0.861	1.864	4.0	18.4
9 18	22 44.14	−16 34.5	0.880	1.854	11.0	18.7
9 28	22 38.11	−20 11.6	0.923	1.845	17.3	19.1
10 8	22 35.16	−22 55.1	0.986	1.836	22.5	19.4

97624 2000 ES_{120} 9 4.7 270°.16 1°.9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.71	−12 45.2	2.428	3.273	11.5	19.5
8 9	23 16.34	−12 52.8	2.339	3.262	8.7	19.3
8 19	23 9.21	−13 3.7	2.275	3.251	5.6	19.1
8 29	23 0.81	−13 14.6	2.237	3.240	2.6	18.9
9 8	22 51.85	−13 21.6	2.229	3.229	2.6	18.9
9 18	22 43.11	−13 21.9	2.249	3.217	5.7	19.1
9 28	22 35.39	−13 13.0	2.297	3.206	8.9	19.2
10 8	22 29.31	−12 53.9	2.370	3.195	11.8	19.4

114367 2002 XA_{89} 9 4.7 337°.00 7°.4/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.48	+11 40.7	1.433	2.240	19.8	18.2
8 9	23 8.98	+12 5.7	1.343	2.221	16.9	18.0
8 19	23 5.09	+12 2.6	1.270	2.203	13.5	17.7
8 29	22 59.31	+11 28.5	1.216	2.186	10.0	17.5
9 8	22 52.53	+10 24.8	1.185	2.170	7.6	17.3
9 18	22 45.88	+ 8 57.1	1.176	2.155	8.2	17.3
9 28	22 40.57	+ 7 15.5	1.191	2.142	11.4	17.4
10 8	22 37.59	+ 5 32.3	1.228	2.130	15.3	17.6

374791 2006 TC_{63} 9 4.7 331°.26 1°.7/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.76	− 2 28.4	1.106	1.983	19.9	20.9
8 9	23 12.88	− 2 20.8	1.028	1.964	15.8	20.6
8 19	23 7.96	− 2 33.1	0.967	1.946	10.8	20.2
8 29	23 0.57	− 3 3.3	0.926	1.929	5.1	19.9
9 8	22 51.90	− 3 45.5	0.906	1.913	2.2	19.6
9 18	22 43.44	− 4 31.4	0.910	1.898	7.9	19.9
9 28	22 36.80	− 5 11.7	0.934	1.885	13.7	20.2
10 8	22 33.13	− 5 38.7	0.977	1.873	18.8	20.5

112416 2002 NB_{43} 9 4.7 271°.87 3°.3/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 22.85	+ 1 32.2	1.892	2.705	15.5	19.7
8 9	23 17.70	+ 2 5.8	1.806	2.700	12.4	19.5
8 19	23 10.34	+ 2 25.8	1.741	2.695	8.9	19.3
8 29	23 1.34	+ 2 32.5	1.700	2.691	5.3	19.0
9 8	22 51.57	+ 2 27.7	1.686	2.686	3.4	18.9
9 18	22 42.03	+ 2 14.7	1.700	2.681	5.8	19.1
9 28	22 33.76	+ 1 58.0	1.741	2.677	9.5	19.3
10 8	22 27.53	+ 1 42.4	1.805	2.672	13.0	19.5

350307 2012 US_{43} 9 4.7 292°.15 0°.7/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.52	− 2 1.7	1.737	2.580	15.3	21.1
8 9	23 13.12	− 2 30.0	1.647	2.565	12.0	20.9
8 19	23 7.52	− 3 15.1	1.577	2.550	8.0	20.6
8 29	23 0.24	− 4 13.6	1.532	2.535	3.6	20.3
9 8	22 52.11	− 5 19.8	1.513	2.520	1.5	20.1
9 18	22 44.14	− 6 26.6	1.521	2.505	6.1	20.4
9 28	22 37.39	− 7 26.6	1.555	2.490	10.5	20.6
10 8	22 32.68	− 8 14.0	1.611	2.475	14.4	20.8

261990 2006 QW_{34} 9 4.7 0°.75 1°.7/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.79	− 9 18.9	0.816	1.730	21.4	19.0
8 9	23 11.06	− 9 16.9	0.766	1.725	16.4	18.7
8 19	23 6.87	− 9 29.0	0.731	1.722	10.6	18.4
8 29	23 0.08	− 9 49.0	0.715	1.721	4.3	18.0
9 8	22 52.23	−10 7.8	0.718	1.723	3.3	18.0
9 18	22 45.07	−10 17.3	0.740	1.727	9.5	18.4
9 28	22 40.25	−10 10.9	0.782	1.734	15.4	18.7
10 8	22 38.75	− 9 46.2	0.840	1.744	20.3	19.0

321539 2009 SO_{273} 9 4.7 38°.41 1°.3/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.06	− 7 36.5	1.207	2.083	18.6	21.0
8 9	23 16.24	− 8 2.4	1.158	2.096	14.1	20.7
8 19	23 9.61	− 8 42.0	1.127	2.110	9.0	20.5
8 29	23 1.04	− 9 28.6	1.119	2.124	3.6	20.2
9 8	22 51.80	−10 13.9	1.135	2.139	2.7	20.2
9 18	22 43.28	−10 50.3	1.174	2.155	7.9	20.6
9 28	22 36.72	−11 12.1	1.237	2.171	12.7	20.9
10 8	22 32.90	−11 16.6	1.321	2.188	16.8	21.2

126928 2002 EQ_{137} 9 4.7 97°.26 2°.9/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.14	+ 4 15.0	2.339	3.137	13.3	20.2
8 9	23 12.81	+ 4 11.7	2.265	3.149	10.7	20.0
8 19	23 6.88	+ 3 53.6	2.213	3.161	7.7	19.9
8 29	22 59.84	+ 3 22.2	2.185	3.172	4.6	19.7
9 8	22 52.36	+ 2 40.6	2.185	3.184	2.9	19.6
9 18	22 45.16	+ 1 52.9	2.214	3.196	4.6	19.7
9 28	22 38.95	+ 1 4.1	2.270	3.207	7.6	20.0
10 8	22 34.27	+ 0 19.0	2.352	3.218	10.4	20.2

50958 2000 GB_{81} 9 4.7 344°.20 0°.0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.77	− 4 3.2	1.706	2.558	15.2	18.8
8 9	23 12.45	− 4 34.9	1.629	2.554	11.7	18.6
8 19	23 7.00	− 5 21.2	1.574	2.551	7.6	18.4
8 29	22 59.99	− 6 18.0	1.543	2.547	3.1	18.1
9 8	22 52.28	− 7 19.0	1.539	2.545	1.6	18.0
9 18	22 44.86	− 8 17.2	1.560	2.542	6.2	18.3
9 28	22 38.73	− 9 6.2	1.607	2.540	10.4	18.5
10 8	22 34.61	− 9 41.4	1.677	2.538	14.1	18.7

298625 2004 BC_{13} 9 4.7 223°.46 2°.0/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.64	− 9 49.5	2.161	3.013	12.4	21.2
8 9	23 13.47	−10 41.7	2.080	3.007	9.4	21.0
8 19	23 7.47	−11 42.6	2.022	3.001	6.0	20.8
8 29	23 0.14	−12 46.9	1.991	2.994	2.7	20.6
9 8	22 52.22	−13 48.6	1.988	2.988	3.0	20.6
9 18	22 44.52	−14 42.1	2.013	2.981	6.4	20.8
9 28	22 37.87	−15 22.8	2.065	2.973	9.8	21.0
10 8	22 32.92	−15 48.0	2.141	2.966	12.8	21.2

193571 2001 AG_{40} 9 4.7 269°.91 2°.8/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.64	−11 43.6	1.882	2.742	13.6	20.7
8 9	23 15.40	−12 30.8	1.792	2.723	10.4	20.5
8 19	23 8.96	−13 26.6	1.725	2.704	6.8	20.3
8 29	23 0.83	−14 25.2	1.683	2.685	3.4	20.0
9 8	22 51.86	−15 19.8	1.668	2.665	3.9	20.0
9 18	22 43.05	−16 3.8	1.680	2.646	7.6	20.2
9 28	22 35.43	−16 32.2	1.718	2.626	11.5	20.4
10 8	22 29.84	−16 42.8	1.778	2.605	15.0	20.6

392451 2010 VT_{83} 9 4.7 315°.60 0°.8/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.06	− 9 33.6	4.281	5.119	7.0	21.1
8 9	23 6.83	− 9 58.3	4.195	5.116	5.3	21.0
8 19	23 2.77	−10 26.5	4.136	5.112	3.3	20.9
8 29	22 58.12	−10 56.4	4.105	5.109	1.4	20.7
9 8	22 53.24	−11 25.5	4.103	5.105	1.3	20.7
9 18	22 48.46	−11 51.8	4.131	5.102	3.2	20.8
9 28	22 44.14	−12 13.3	4.188	5.098	5.2	21.0
10 8	22 40.60	−12 28.6	4.271	5.095	6.9	21.1

377307 2004 GW_{15} 9 4.7 96°.43 1°.5/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 21.31	− 7 35.4	1.619	2.475	15.7	20.9
8 9	23 16.58	− 8 21.1	1.562	2.490	11.9	20.7
8 19	23 9.57	− 9 18.2	1.526	2.505	7.5	20.5
8 29	23 0.99	−10 20.7	1.516	2.520	3.0	20.2
9 8	22 51.85	−11 21.1	1.532	2.535	2.7	20.2
9 18	22 43.25	−12 12.4	1.575	2.550	7.0	20.5
9 28	22 36.20	−12 49.5	1.643	2.564	11.1	20.8
10 8	22 31.40	−13 9.9	1.734	2.578	14.5	21.1

335762 2007 EV_{113} 9 4.7 174°.52 3°.5/ 1.3 18

7 30	23 19.40	−12 25.0	1.792	2.656	14.0	20.8
8 9	23 15.12	−13 35.9	1.724	2.658	10.6	20.6
8 19	23 8.67	−14 55.1	1.679	2.659	6.9	20.4
8 29	23 0.66	−16 15.2	1.660	2.660	3.8	20.2
9 8	22 51.99	−17 27.9	1.667	2.660	4.6	20.2
9 18	22 43.67	−18 26.2	1.702	2.661	8.1	20.4
9 28	22 36.69	−19 5.5	1.762	2.660	11.7	20.7
10 8	22 31.80	−19 24.0	1.843	2.660	14.9	20.9

513919 2014 AH_{57} 9 4.7 255°.73 1°.3/ 3.6 18

7 30	23 20.39	− 8 5.8	1.811	2.663	14.4	21.8
8 9	23 15.95	− 8 34.2	1.727	2.653	11.1	21.6
8 19	23 9.29	− 9 12.9	1.664	2.642	7.1	21.3
8 29	23 0.95	− 9 57.5	1.627	2.632	2.9	21.1
9 8	22 51.83	−10 42.0	1.617	2.621	2.4	21.0
9 18	22 42.95	−11 20.3	1.634	2.610	6.7	21.3
9 28	22 35.35	−11 47.5	1.677	2.599	10.8	21.5
10 8	22 29.83	−12 0.5	1.743	2.587	14.4	21.7

385775 2006 AE_{22} 9 4.7 170°.87 4°.6/ 6.5 18

7 30	23 35.68	− 1 0.2	1.159	1.995	21.9	20.4
8 9	23 28.83	+ 0 18.2	1.089	1.997	17.6	20.1
8 19	23 18.25	+ 1 23.0	1.036	1.998	12.5	19.8
8 29	23 4.77	+ 2 11.9	1.006	2.000	7.2	19.5
9 8	22 49.96	+ 2 44.9	1.000	2.000	4.7	19.4
9 18	22 35.73	+ 3 4.2	1.019	2.001	8.7	19.6
9 28	22 23.93	+ 3 14.7	1.063	2.001	13.9	19.9
10 8	22 15.78	+ 3 22.9	1.127	2.000	18.6	20.2

315134 2007 EU_{108} 9 4.7 197°.89 2°.1/ 2.4 18

7 30	23 17.59	−11 49.2	2.431	3.282	11.2	21.3
8 9	23 13.18	−12 25.0	2.354	3.281	8.5	21.1
8 19	23 7.15	−13 6.0	2.302	3.279	5.4	20.9
8 29	22 59.98	−13 48.0	2.276	3.278	2.6	20.7
9 8	22 52.34	−14 26.3	2.279	3.277	2.9	20.8
9 18	22 44.94	−14 56.9	2.310	3.275	5.8	21.0
9 28	22 38.51	−15 16.6	2.368	3.273	8.9	21.1
10 8	22 33.61	−15 23.7	2.450	3.271	11.5	21.3

243824 2000 TS_{10} 9 4.7 248°.64 7°.7/28.2 18

7 30	23 27.62	−31 22.9	2.321	3.164	12.0	20.8
8 9	23 21.04	−32 6.7	2.254	3.155	10.0	20.6
8 19	23 12.31	−32 42.1	2.209	3.146	8.3	20.5
8 29	23 2.09	−33 2.1	2.191	3.136	7.8	20.4
9 8	22 51.33	−33 1.6	2.199	3.127	8.6	20.5
9 18	22 41.03	−32 38.1	2.233	3.117	10.4	20.6
9 28	22 32.17	−31 51.9	2.291	3.107	12.5	20.7
10 8	22 25.42	−30 46.1	2.371	3.097	14.6	20.8

295298 2008 GP_{111} 9 4.7 93°.93 5°.5/ 9.9 17

7 30	23 20.13	+10 2.2	1.660	2.447	18.3	20.3
8 9	23 15.70	+10 3.7	1.596	2.465	15.1	20.1
8 19	23 9.03	+ 9 40.5	1.550	2.483	11.5	19.9
8 29	23 0.79	+ 8 52.8	1.526	2.500	7.8	19.8
9 8	22 51.96	+ 7 44.9	1.528	2.517	5.5	19.7
9 18	22 43.59	+ 6 23.7	1.556	2.534	6.6	19.8
9 28	22 36.70	+ 4 57.8	1.610	2.551	9.8	20.0
10 8	22 31.98	+ 3 36.2	1.688	2.567	13.1	20.2

353055 2009 DU_{50} 9 4.7 265°.39 0°.8/ 3.9 18

7 30	23 19.48	− 7 39.2	1.965	2.813	13.6	20.7
8 9	23 15.02	− 7 59.2	1.885	2.809	10.4	20.5
8 19	23 8.54	− 8 28.5	1.828	2.805	6.7	20.3
8 29	23 0.61	− 9 3.1	1.796	2.800	2.7	20.0
9 8	22 52.04	− 9 38.0	1.791	2.796	1.9	19.9
9 18	22 43.74	−10 8.3	1.814	2.791	6.0	20.2
9 28	22 36.64	−10 29.6	1.863	2.787	9.8	20.4
10 8	22 31.43	−10 39.2	1.936	2.782	13.2	20.6

400503 2008 KF_{17} 9 4.7 83°.25 4°.0/30.9 18

7 30	23 17.28	−16 39.8	2.244	3.107	11.6	21.1
8 9	23 12.98	−17 49.8	2.193	3.125	8.8	21.0
8 19	23 7.00	−19 2.0	2.166	3.142	5.9	20.8
8 29	22 59.91	−20 10.1	2.167	3.159	4.1	20.7
9 8	22 52.42	−21 8.1	2.195	3.176	5.0	20.8
9 18	22 45.31	−21 51.4	2.250	3.193	7.5	21.0
9 28	22 39.32	−22 17.3	2.332	3.210	10.1	21.2
10 8	22 34.98	−22 25.6	2.435	3.226	12.5	21.4

454837 2015 RB_{217} 9 4.7 246°.40 4°.0/31.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.92	−20 7.9	2.806	3.656	9.9	22.2
8 9	23 15.61	−20 44.8	2.717	3.639	7.7	22.0
8 19	23 8.70	−21 21.4	2.653	3.622	5.4	21.9
8 29	23 0.63	−21 53.4	2.617	3.604	4.0	21.7
9 8	22 52.04	−22 16.3	2.610	3.586	4.7	21.8
9 18	22 43.63	−22 26.9	2.632	3.567	6.9	21.9
9 28	22 36.10	−22 23.3	2.680	3.548	9.3	22.0
10 8	22 30.04	−22 5.4	2.752	3.529	11.6	22.1

95690 2002 JG_{44} 9 4.7 112°.99 2°.4/ 2.3 18

7 30	23 20.23	−13 33.0	2.311	3.162	11.7	19.6
8 9	23 15.20	−13 56.5	2.240	3.167	8.9	19.5
8 19	23 8.45	−14 23.5	2.194	3.171	5.7	19.3
8 29	23 0.51	−14 49.8	2.174	3.175	2.9	19.1
9 8	22 52.12	−15 11.0	2.183	3.180	3.2	19.1
9 18	22 44.07	−15 23.6	2.220	3.184	6.1	19.3
9 28	22 37.11	−15 25.0	2.284	3.188	9.2	19.5
10 8	22 31.83	−15 14.5	2.372	3.192	11.9	19.7

396189 2013 HY_{13} 9 4.7 142°.64 3°.2/ 8.7 18

7 30	23 15.20	+ 6 36.2	2.435	3.221	13.2	21.2
8 9	23 11.37	+ 6 19.4	2.351	3.225	10.7	21.1
8 19	23 6.00	+ 5 46.1	2.288	3.229	7.8	20.9
8 29	22 59.53	+ 4 57.7	2.250	3.233	5.0	20.7
9 8	22 52.60	+ 3 57.4	2.240	3.237	3.2	20.6
9 18	22 45.87	+ 2 49.9	2.259	3.240	4.6	20.7
9 28	22 40.04	+ 1 40.8	2.305	3.243	7.4	20.9
10 8	22 35.66	+ 0 35.5	2.378	3.246	10.2	21.1

327492 2005 YB_{189} 9 4.7 99°.48 0°.0/ 4.5 18

7 30	23 16.75	− 4 46.1	2.410	3.243	11.9	21.5
8 9	23 12.47	− 5 13.9	2.340	3.255	9.1	21.3
8 19	23 6.65	− 5 51.1	2.293	3.266	5.9	21.1
8 29	22 59.78	− 6 34.6	2.274	3.277	2.4	20.9
9 8	22 52.50	− 7 19.8	2.282	3.288	1.2	20.8
9 18	22 45.51	− 8 2.7	2.320	3.299	4.7	21.1
9 28	22 39.49	− 8 39.1	2.385	3.310	7.9	21.3
10 8	22 34.95	− 9 6.1	2.475	3.320	10.7	21.5

170016 2002 UY_{10} 9 4.7 23°.04 1°.6/ 6.1 18

7 30	23 16.96	− 0 38.2	1.697	2.536	15.8	20.0
8 9	23 13.32	− 0 51.3	1.625	2.539	12.4	19.8
8 19	23 7.54	− 1 20.7	1.574	2.543	8.4	19.6
8 29	23 0.23	− 2 3.6	1.547	2.547	4.1	19.3
9 8	22 52.27	− 2 54.7	1.546	2.552	1.8	19.2
9 18	22 44.66	− 3 47.9	1.571	2.556	5.7	19.5
9 28	22 38.38	− 4 36.5	1.622	2.561	9.8	19.7
10 8	22 34.13	− 5 15.3	1.696	2.567	13.5	20.0

510501 2011 YG_{72} 9 4.7 163°.19 4°.1/29.8 18

7 30	23 16.27	−18 42.8	2.774	3.632	9.8	21.8
8 9	23 12.04	−20 0.7	2.709	3.637	7.5	21.6
8 19	23 6.36	−21 19.9	2.671	3.641	5.3	21.5
8 29	22 59.67	−22 35.0	2.660	3.645	4.1	21.4
9 8	22 52.55	−23 40.5	2.678	3.648	5.0	21.5
9 18	22 45.66	−24 32.3	2.724	3.651	7.1	21.6
9 28	22 39.63	−25 7.7	2.797	3.654	9.3	21.8
10 8	22 34.96	−25 26.1	2.893	3.656	11.4	21.9

38426 1999 RT_{230} 9 4.7 325°.16 7°.8/28.6 18 R

7 30	23 21.55	−27 4.1	1.855	2.723	13.4	18.0
8 9	23 16.91	−27 59.2	1.788	2.711	10.9	17.8
8 19	23 9.91	−28 49.0	1.742	2.699	8.7	17.7
8 29	23 1.20	−29 25.2	1.721	2.688	7.8	17.6
9 8	22 51.80	−29 41.0	1.726	2.676	8.9	17.6
9 18	22 42.82	−29 32.3	1.754	2.666	11.2	17.7
9 28	22 35.34	−28 58.5	1.806	2.656	13.9	17.9
10 8	22 30.12	−28 2.1	1.877	2.646	16.5	18.1

340968 2007 EL_{112} 9 4.7 67°.65 2°.7/ 7.5 17

7 30	23 18.12	+ 5 7.9	1.579	2.398	17.8	20.6
8 9	23 14.11	+ 4 20.8	1.527	2.425	14.0	20.4
8 19	23 7.95	+ 3 10.2	1.494	2.452	9.8	20.3
8 29	23 0.34	+ 1 40.6	1.485	2.479	5.4	20.1
9 8	22 52.27	− 0 0.4	1.502	2.505	2.7	20.0
9 18	22 44.76	− 1 43.4	1.547	2.532	5.7	20.2
9 28	22 38.75	− 3 19.2	1.618	2.559	9.7	20.5
10 8	22 34.88	− 4 40.7	1.712	2.585	13.3	20.8

259185 2003 AW_{22} 9 4.7 324°.69 17°.7/11.9 16

7 30	23 31.25	+18 24.7	1.082	1.848	27.2	19.2
8 9	23 26.33	+21 37.3	1.014	1.844	24.6	19.0
8 19	23 17.31	+24 25.6	0.961	1.840	21.8	18.8
8 29	23 4.70	+26 35.1	0.925	1.836	19.3	18.6
9 8	22 49.95	+27 54.3	0.907	1.832	17.8	18.5
9 18	22 35.18	+28 18.2	0.909	1.829	18.0	18.5
9 28	22 22.73	+27 52.8	0.928	1.826	19.7	18.6
10 8	22 14.33	+26 53.2	0.964	1.823	22.2	18.8

507931 2015 AM_{39} 9 4.7 77°.53 5°.3/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.16	−15 7.9	1.407	2.288	16.2	20.9
8 9	23 16.16	−16 33.6	1.355	2.296	12.3	20.7
8 19	23 9.54	−18 5.8	1.325	2.305	8.2	20.5
8 29	23 1.07	−19 34.2	1.318	2.314	5.5	20.4
9 8	22 51.91	−20 48.3	1.337	2.323	6.7	20.5
9 18	22 43.33	−21 40.2	1.380	2.332	10.3	20.7
9 28	22 36.52	−22 5.9	1.447	2.341	14.1	21.0
10 8	22 32.25	−22 5.8	1.533	2.350	17.4	21.2

202191 2004 XA_{48} 9 4.7 106°.00 2°.4/ 2.5 18

7 30	23 20.67	−11 16.0	1.871	2.728	13.8	20.9
8 9	23 15.89	−11 57.6	1.809	2.738	10.4	20.7
8 19	23 9.06	−12 46.1	1.769	2.748	6.7	20.5
8 29	23 0.81	−13 35.9	1.755	2.758	3.1	20.3
9 8	22 52.04	−14 20.8	1.769	2.768	3.4	20.4
9 18	22 43.70	−14 55.4	1.809	2.777	6.9	20.6
9 28	22 36.71	−15 15.9	1.876	2.786	10.5	20.9
10 8	22 31.72	−15 20.9	1.966	2.795	13.6	21.1

117897 2845 *P–L* 9 4.7 317°.64 1°.2/ 3.6 18

7 30	23 16.54	− 8 15.4	2.021	2.875	13.1	20.2
8 9	23 12.78	− 8 41.9	1.936	2.864	10.0	20.0
8 19	23 7.13	− 9 17.5	1.874	2.853	6.4	19.7
8 29	23 0.07	− 9 58.1	1.838	2.843	2.6	19.5
9 8	22 52.38	−10 38.6	1.829	2.833	2.2	19.4
9 18	22 44.89	−11 13.8	1.847	2.823	6.0	19.7
9 28	22 38.50	−11 39.4	1.891	2.813	9.7	19.9
10 8	22 33.87	−11 52.3	1.958	2.804	13.0	20.1

67118 2000 AB_{120} 9 4.7 344°.09 0°.6/ 4.2 18

7 30	23 13.82	− 3 34.0	1.240	2.114	18.4	18.7
8 9	23 11.72	− 4 28.9	1.171	2.108	14.2	18.5
8 19	23 6.93	− 5 45.8	1.120	2.102	9.2	18.2
8 29	23 0.11	− 7 18.4	1.091	2.097	3.7	17.8
9 8	22 52.35	− 8 56.3	1.087	2.092	2.3	17.7
9 18	22 44.95	−10 27.8	1.106	2.089	7.9	18.1
9 28	22 39.21	−11 42.8	1.149	2.086	13.1	18.4
10 8	22 36.06	−12 34.7	1.211	2.084	17.6	18.6

121560 1999 VZ_{48} 9 4.7 313°.69 0°.0/ 4.6 18

7 30	23 17.15	− 5 25.7	1.965	2.811	13.7	19.9
8 9	23 13.35	− 5 36.6	1.874	2.795	10.6	19.7
8 19	23 7.56	− 5 58.2	1.804	2.779	7.0	19.4
8 29	23 0.28	− 6 27.6	1.760	2.764	2.9	19.1
9 8	22 52.27	− 7 0.4	1.743	2.749	1.4	19.0
9 18	22 44.42	− 7 31.7	1.753	2.734	5.7	19.3
9 28	22 37.66	− 7 56.6	1.789	2.719	9.6	19.5
10 8	22 32.74	− 8 11.6	1.848	2.705	13.2	19.7

432758 2011 *FD* 9 4.7 91°.93 0°.3/ 4.4 17

7 30	23 18.25	− 3 37.5	1.616	2.467	16.0	21.5
8 9	23 14.35	− 4 30.1	1.552	2.476	12.2	21.3
8 19	23 8.22	− 5 39.0	1.509	2.486	7.9	21.0
8 29	23 0.52	− 6 58.4	1.491	2.495	3.1	20.8
9 8	22 52.19	− 8 20.5	1.499	2.505	1.8	20.7
9 18	22 44.28	− 9 36.9	1.534	2.514	6.5	21.0
9 28	22 37.82	−10 40.5	1.595	2.523	10.8	21.3
10 8	22 33.51	−11 26.9	1.678	2.532	14.4	21.6

254143 2004 PN_{61} 9 4.7 11°.92 2°.1/ 6.4 18

7 30	23 19.74	− 1 13.8	1.850	2.680	15.1	19.8
8 9	23 15.28	− 0 52.2	1.774	2.682	11.9	19.6
8 19	23 8.75	− 0 43.1	1.720	2.685	8.2	19.4
8 29	23 0.73	− 0 45.2	1.690	2.688	4.3	19.2
9 8	22 52.08	− 0 55.5	1.687	2.691	2.2	19.0
9 18	22 43.76	− 1 10.4	1.711	2.695	5.4	19.3
9 28	22 36.71	− 1 25.2	1.762	2.700	9.3	19.5
10 8	22 31.64	− 1 35.9	1.836	2.705	12.7	19.7

204991 1996 EZ_3 9 4.7 319°.48 1°.3/ 3.7 18

7 30	23 20.45	− 9 0.6	1.750	2.606	14.7	20.0
8 9	23 16.00	− 9 16.6	1.673	2.602	11.2	19.8
8 19	23 9.31	− 9 41.3	1.618	2.597	7.2	19.5
8 29	23 0.99	−10 10.4	1.588	2.593	2.9	19.3
9 8	22 51.95	−10 38.5	1.585	2.589	2.4	19.2
9 18	22 43.23	−11 0.4	1.608	2.585	6.6	19.5
9 28	22 35.89	−11 11.8	1.657	2.581	10.8	19.7
10 8	22 30.67	−11 10.3	1.728	2.577	14.3	20.0

60659 2000 FX_{49} 9 4.7 81°.36 4°.9/ 8.6 18

7 30	23 22.11	+ 6 34.7	1.315	2.135	20.6	19.2
8 9	23 17.68	+ 6 40.2	1.259	2.153	16.7	19.0
8 19	23 10.55	+ 6 19.2	1.220	2.171	12.2	18.7
8 29	23 1.50	+ 5 32.8	1.202	2.189	7.7	18.5
9 8	22 51.75	+ 4 26.5	1.209	2.206	4.9	18.4
9 18	22 42.62	+ 3 8.9	1.240	2.224	7.1	18.6
9 28	22 35.36	+ 1 50.3	1.296	2.241	11.2	18.9
10 8	22 30.76	+ 0 39.7	1.374	2.258	15.2	19.2

157009 2003 QW_{18} 9 4.7 343°.45 0°.1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.00	− 5 24.4	1.943	2.790	13.8	19.7
8 9	23 13.16	− 5 31.8	1.862	2.784	10.6	19.4
8 19	23 7.38	− 5 49.7	1.803	2.778	7.0	19.2
8 29	23 0.18	− 6 14.9	1.769	2.773	2.9	19.0
9 8	22 52.35	− 6 43.3	1.762	2.768	1.3	18.8
9 18	22 44.78	− 7 10.1	1.782	2.764	5.5	19.1
9 28	22 38.36	− 7 30.9	1.829	2.761	9.4	19.3
10 8	22 33.77	− 7 42.3	1.898	2.757	12.8	19.5

196427 2003 HG_{20} 9 4.7 57°.59 2°.9/ 7.4 16

7 30	23 17.85	+ 3 35.8	1.490	2.320	18.1	20.0
8 9	23 14.13	+ 3 14.8	1.433	2.338	14.4	19.8
8 19	23 8.10	+ 2 31.5	1.395	2.356	10.1	19.6
8 29	23 0.47	+ 1 29.0	1.379	2.374	5.6	19.4
9 8	22 52.25	+ 0 13.8	1.389	2.392	2.9	19.3
9 18	22 44.56	− 1 5.8	1.424	2.410	6.0	19.5
9 28	22 38.41	− 2 21.1	1.485	2.429	10.2	19.8
10 8	22 34.52	− 3 25.0	1.569	2.447	14.0	20.1

140642 2001 US_{25} 9 4.7 5°.38 1°.5/ 3.7 18

7 30	23 22.37	−10 36.3	1.772	2.628	14.5	19.3
8 9	23 17.37	−10 37.1	1.700	2.628	11.1	19.0
8 19	23 10.13	−10 44.1	1.650	2.628	7.1	18.8
8 29	23 1.30	−10 53.3	1.625	2.629	3.0	18.6
9 8	22 51.83	−11 0.1	1.626	2.630	2.5	18.5
9 18	22 42.77	−11 0.5	1.655	2.632	6.6	18.8
9 28	22 35.14	−10 51.7	1.710	2.633	10.5	19.0
10 8	22 29.67	−10 32.0	1.788	2.636	14.0	19.3

190557 2000 SH_{77} 9 4.7 324°.11 0°.7/ 5.3 18

7 30	23 18.58	− 3 31.9	1.524	2.377	16.6	20.3
8 9	23 14.92	− 3 42.1	1.446	2.370	13.0	20.0
8 19	23 8.81	− 4 7.5	1.388	2.363	8.6	19.8
8 29	23 0.85	− 4 44.9	1.353	2.356	3.8	19.5
9 8	22 52.03	− 5 28.6	1.344	2.350	1.6	19.3
9 18	22 43.51	− 6 12.0	1.360	2.344	6.5	19.6
9 28	22 36.45	− 6 48.5	1.401	2.338	11.2	19.9
10 8	22 31.73	− 7 13.0	1.463	2.333	15.3	20.1

135003 2001 HQ_{45} 9 4.7 16°.02 4°.8/31.2 18

7 30	23 12.31	−12 10.3	1.301	2.194	16.5	18.0
8 9	23 10.33	−13 51.6	1.251	2.200	12.3	17.7
8 19	23 5.86	−15 43.9	1.221	2.207	8.0	17.5
8 29	22 59.61	−17 36.3	1.215	2.215	4.9	17.4
9 8	22 52.68	−19 16.3	1.234	2.225	6.3	17.5
9 18	22 46.25	−20 34.1	1.276	2.235	10.2	17.7
9 28	22 41.45	−21 23.8	1.341	2.247	14.2	18.0
10 8	22 39.03	−21 44.5	1.425	2.259	17.6	18.3

234665 2002 ER_{148} 9 4.7 68°.27 0°.0/ 4.6 18

7 30	23 17.88	− 3 30.4	1.682	2.530	15.6	20.4
8 9	23 14.04	− 4 6.8	1.613	2.535	12.0	20.2
8 19	23 8.02	− 4 58.3	1.566	2.541	7.8	20.0
8 29	23 0.46	− 6 0.4	1.543	2.547	3.2	19.7
9 8	22 52.27	− 7 6.4	1.546	2.552	1.5	19.6
9 18	22 44.45	− 8 9.0	1.577	2.558	6.1	19.9
9 28	22 38.00	− 9 1.8	1.633	2.564	10.3	20.2
10 8	22 33.62	− 9 40.4	1.712	2.570	14.0	20.4

300853 2007 YR_{31} 9 4.7 264°.79 0°.9/ 5.6 18

7 30	23 18.31	− 2 38.9	2.034	2.867	13.8	20.6
8 9	23 14.12	− 2 51.6	1.948	2.860	10.8	20.4
8 19	23 8.00	− 3 16.7	1.883	2.852	7.2	20.2
8 29	23 0.45	− 3 51.8	1.844	2.845	3.3	19.9
9 8	22 52.25	− 4 32.5	1.831	2.838	1.3	19.8
9 18	22 44.26	− 5 13.9	1.847	2.830	5.2	20.0
9 28	22 37.36	− 5 50.9	1.890	2.823	9.1	20.2
10 8	22 32.26	− 6 19.2	1.957	2.815	12.5	20.4

53685 2000 DX_{78} 9 4.7 7°.45 1°.6/ 5.8 18

7 30	23 14.35	− 1 51.7	1.075	1.952	20.3	17.6
8 9	23 12.34	− 1 54.6	1.017	1.953	15.9	17.4
8 19	23 7.42	− 2 19.1	0.976	1.955	10.7	17.1
8 29	23 0.33	− 3 1.5	0.956	1.959	5.0	16.8
9 8	22 52.34	− 3 54.4	0.957	1.964	2.1	16.6
9 18	22 44.89	− 4 48.5	0.981	1.970	7.4	17.0
9 28	22 39.36	− 5 34.6	1.027	1.978	12.8	17.3
10 8	22 36.65	− 6 5.9	1.093	1.987	17.4	17.6

39947 1998 FZ_{112} 9 4.7 218°.70 6°.0/11.3 18

7 30	23 17.79	+13 22.4	2.131	2.883	15.8	19.8
8 9	23 13.74	+13 26.9	2.036	2.876	13.4	19.6
8 19	23 7.79	+13 9.2	1.959	2.869	10.7	19.4
8 29	23 0.39	+12 28.4	1.905	2.862	7.9	19.2
9 8	22 52.29	+11 26.3	1.877	2.854	6.1	19.1
9 18	22 44.34	+10 7.4	1.876	2.846	6.5	19.1
9 28	22 37.42	+ 8 38.6	1.902	2.837	8.9	19.3
10 8	22 32.25	+ 7 8.1	1.954	2.828	11.8	19.4

86732 2000 GK_{39} 9 4.7 164°.73 0°.0/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.41	− 3 39.0	1.851	2.688	14.8	20.9
8 9	23 15.82	− 4 13.9	1.776	2.692	11.4	20.7
8 19	23 9.12	− 5 2.8	1.723	2.696	7.4	20.5
8 29	23 0.91	− 6 1.3	1.695	2.699	3.1	20.2
9 8	22 52.06	− 7 3.6	1.695	2.701	1.4	20.1
9 18	22 43.54	− 8 3.0	1.723	2.703	5.9	20.4
9 28	22 36.31	− 8 53.6	1.777	2.705	9.9	20.7
10 8	22 31.07	− 9 31.1	1.855	2.706	13.4	20.9

256616 2007 VA_{119} 9 4.7 48°.59 4°.3/ 2.1 17

7 30	23 24.26	−14 17.7	1.206	2.088	18.2	20.3
8 9	23 19.59	−14 53.0	1.157	2.098	13.9	20.1
8 19	23 11.89	−15 34.3	1.126	2.108	9.1	19.9
8 29	23 2.08	−16 13.0	1.118	2.119	4.9	19.7
9 8	22 51.56	−16 40.5	1.134	2.130	5.4	19.8
9 18	22 41.84	−16 50.5	1.174	2.142	9.7	20.0
9 28	22 34.26	−16 40.2	1.236	2.153	14.2	20.3
10 8	22 29.65	−16 10.3	1.318	2.166	18.0	20.6

307554 2003 EC_{41} 9 4.7 63°.91 7°.1/30.0 17

7 30	23 23.16	−21 2.0	1.451	2.330	15.9	19.6
8 9	23 18.21	−22 25.3	1.418	2.354	12.2	19.5
8 19	23 10.68	−23 46.4	1.407	2.378	8.9	19.3
8 29	23 1.49	−24 54.8	1.419	2.402	7.1	19.3
9 8	22 51.87	−25 41.9	1.457	2.427	8.3	19.4
9 18	22 43.07	−26 3.1	1.518	2.451	11.1	19.6
9 28	22 36.17	−25 57.6	1.603	2.475	14.2	19.9
10 8	22 31.84	−25 28.5	1.706	2.499	16.9	20.1

40678 1999 RY_{206} 9 4.8 332°.50 9°.2/13.6 18

7 30	23 13.94	+17 8.7	1.583	2.344	20.1	18.4
8 9	23 11.49	+17 44.1	1.497	2.335	17.6	18.2
8 19	23 6.68	+17 50.3	1.426	2.325	14.6	18.0
8 29	23 0.04	+17 23.6	1.375	2.317	11.7	17.8
9 8	22 52.48	+16 24.0	1.345	2.309	9.6	17.7
9 18	22 45.08	+14 56.1	1.339	2.301	9.4	17.7
9 28	22 39.01	+13 8.9	1.356	2.294	11.4	17.8
10 8	22 35.19	+11 14.5	1.396	2.288	14.5	17.9

445436 2010 UM_{53} 9 4.8 6°.80 9°.8/27.8 18

7 30	23 25.09	−32 35.8	1.747	2.608	14.5	20.0
8 9	23 19.66	−33 29.4	1.699	2.609	12.2	19.9
8 19	23 11.67	−34 11.5	1.671	2.610	10.4	19.8
8 29	23 1.94	−34 33.3	1.668	2.612	9.8	19.7
9 8	22 51.68	−34 28.3	1.687	2.615	10.8	19.8
9 18	22 42.14	−33 54.6	1.731	2.618	12.7	19.9
9 28	22 34.44	−32 53.6	1.796	2.622	15.0	20.1
10 8	22 29.28	−31 30.1	1.880	2.626	17.2	20.3

356559 2011 SE_{204} 9 4.8 351°.59 0°.4/ 5.1 18

7 30	23 17.42	− 3 56.3	1.661	2.512	15.6	20.9
8 9	23 13.80	− 4 10.5	1.586	2.509	12.1	20.6
8 19	23 7.96	− 4 38.6	1.532	2.506	8.0	20.4
8 29	23 0.50	− 5 17.0	1.501	2.504	3.4	20.1
9 8	22 52.32	− 6 0.3	1.497	2.503	1.4	20.0
9 18	22 44.46	− 6 42.5	1.518	2.502	6.1	20.3
9 28	22 37.94	− 7 17.6	1.565	2.501	10.4	20.5
10 8	22 33.53	− 7 41.3	1.635	2.501	14.2	20.8

96761 1999 RZ_{25} 9 4.8 311°.14 2°.0/ 3.3 18

7 30	23 18.54	− 9 34.2	1.535	2.403	15.7	19.4
8 9	23 15.08	−10 0.4	1.446	2.382	12.1	19.1
8 19	23 9.08	−10 37.5	1.379	2.360	7.8	18.8
8 29	23 1.07	−11 20.4	1.334	2.339	3.3	18.5
9 8	22 52.03	−12 2.1	1.316	2.318	3.2	18.4
9 18	22 43.15	−12 35.5	1.322	2.298	7.8	18.7
9 28	22 35.68	−12 54.9	1.353	2.278	12.5	18.9
10 8	22 30.60	−12 57.0	1.404	2.259	16.7	19.1

52072 2002 QC_{45} 9 4.8 2°.55 0°.5/ 5.2 18

7 30	23 17.55	− 3 39.4	1.627	2.478	15.8	19.4
8 9	23 13.92	− 3 55.5	1.555	2.478	12.3	19.2
8 19	23 8.05	− 4 26.0	1.503	2.478	8.1	18.9
8 29	23 0.54	− 5 7.4	1.475	2.478	3.5	18.6
9 8	22 52.33	− 5 53.8	1.472	2.479	1.5	18.5
9 18	22 44.46	− 6 39.0	1.496	2.480	6.1	18.8
9 28	22 37.98	− 7 16.8	1.545	2.481	10.5	19.1
10 8	22 33.63	− 7 42.9	1.617	2.483	14.3	19.3

393786 2005 JL_{149} 9 4.8 125°.80 4°.0/ 9.2 18

7 30	23 16.57	+ 7 51.6	2.052	2.841	15.2	20.9
8 9	23 12.75	+ 7 41.8	1.971	2.845	12.5	20.7
8 19	23 7.09	+ 7 12.1	1.910	2.849	9.3	20.5
8 29	23 0.11	+ 6 23.5	1.873	2.853	6.1	20.3
9 8	22 52.55	+ 5 19.6	1.862	2.856	4.1	20.2
9 18	22 45.25	+ 4 5.7	1.879	2.860	5.4	20.3
9 28	22 39.02	+ 2 48.9	1.923	2.864	8.5	20.5
10 8	22 34.53	+ 1 35.9	1.992	2.867	11.6	20.7

344182 2001 DT_{27} 9 4.8 168°.27 2°.3/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.05	− 9 51.2	2.298	3.147	11.9	21.4
8 9	23 13.67	−11 4.8	2.225	3.151	9.0	21.2
8 19	23 7.58	−12 27.0	2.177	3.155	5.7	21.0
8 29	23 0.29	−13 51.9	2.156	3.158	2.7	20.9
9 8	22 52.48	−15 13.0	2.164	3.161	3.2	20.9
9 18	22 44.92	−16 24.3	2.201	3.163	6.3	21.1
9 28	22 38.37	−17 21.1	2.265	3.164	9.5	21.3
10 8	22 33.43	−18 1.0	2.354	3.165	12.3	21.5

287004 2002 QP_{68} 9 4.8 314°.19 0°.7/ 4.1 18

7 30	23 16.50	− 5 10.5	1.820	2.671	14.4	20.8
8 9	23 12.94	− 5 57.1	1.744	2.669	11.0	20.6
8 19	23 7.33	− 6 57.4	1.689	2.666	7.1	20.4
8 29	23 0.24	− 8 6.5	1.659	2.664	2.8	20.1
9 8	22 52.50	− 9 17.7	1.657	2.662	1.9	20.1
9 18	22 45.02	−10 23.9	1.681	2.659	6.2	20.3
9 28	22 38.76	−11 18.9	1.732	2.657	10.2	20.6
10 8	22 34.43	−11 58.4	1.805	2.655	13.8	20.8

362263 2009 OZ_{10} 9 4.8 29°.94 4°.5/ 9.1 18

7 30	23 16.97	+ 6 36.0	1.885	2.686	15.9	20.2
8 9	23 13.16	+ 6 55.5	1.813	2.694	13.0	20.0
8 19	23 7.40	+ 6 56.5	1.761	2.702	9.8	19.8
8 29	23 0.24	+ 6 39.1	1.732	2.711	6.5	19.7
9 8	22 52.51	+ 6 6.0	1.728	2.721	4.5	19.6
9 18	22 45.09	+ 5 21.8	1.751	2.731	5.9	19.7
9 28	22 38.88	+ 4 32.6	1.800	2.741	8.9	19.9
10 8	22 34.53	+ 3 44.5	1.873	2.752	12.0	20.1

178124 2006 TW_{31} 9 4.8 142°.99 0°.7/ 5.6 18

7 30	23 17.76	− 2 3.2	2.345	3.168	12.5	21.1
8 9	23 13.36	− 2 29.0	2.268	3.175	9.7	20.9
8 19	23 7.34	− 3 6.4	2.215	3.182	6.4	20.7
8 29	23 0.18	− 3 52.6	2.187	3.188	2.9	20.5
9 8	22 52.55	− 4 43.2	2.188	3.195	1.2	20.4
9 18	22 45.18	− 5 33.7	2.218	3.200	4.6	20.7
9 28	22 38.80	− 6 19.3	2.276	3.206	7.9	20.9
10 8	22 33.95	− 6 56.3	2.359	3.211	10.9	21.1

186798 2004 EK_{39} 9 4.8 98°.98 0°.9/ 5.6 17

7 30	23 18.22	− 0 17.7	1.579	2.419	16.8	20.4
8 9	23 14.44	− 1 3.5	1.511	2.427	13.0	20.2
8 19	23 8.38	− 2 9.0	1.465	2.435	8.7	20.0
8 29	23 0.68	− 3 29.4	1.442	2.444	3.9	19.7
9 8	22 52.31	− 4 57.2	1.445	2.452	1.5	19.5
9 18	22 44.35	− 6 23.4	1.476	2.460	6.1	19.9
9 28	22 37.84	− 7 39.8	1.532	2.467	10.6	20.2
10 8	22 33.53	− 8 40.5	1.611	2.475	14.4	20.4

394631 2007 XC_{51} 9 4.8 257°.46 7°.5/27.1 18

7 30	23 20.52	−26 41.6	2.108	2.972	12.2	20.8
8 9	23 16.00	−28 7.7	2.038	2.958	9.9	20.6
8 19	23 9.34	−29 30.9	1.992	2.944	8.1	20.5
8 29	23 1.09	−30 42.5	1.971	2.929	7.6	20.5
9 8	22 52.11	−31 35.2	1.976	2.915	8.7	20.5
9 18	22 43.39	−32 4.0	2.006	2.900	11.0	20.6
9 28	22 35.92	−32 6.9	2.060	2.884	13.4	20.7
10 8	22 30.46	−31 45.4	2.133	2.869	15.7	20.9

124710 2001 SD_{151} 9 4.8 270°.02 1°.0/ 4.1 17

7 30	23 24.06	− 7 41.7	1.364	2.226	17.7	19.5
8 9	23 19.56	− 7 52.6	1.285	2.215	13.7	19.3
8 19	23 12.10	− 8 16.0	1.225	2.204	8.9	19.0
8 29	23 2.35	− 8 47.1	1.188	2.192	3.6	18.6
9 8	22 51.48	− 9 19.3	1.176	2.181	2.4	18.5
9 18	22 40.91	− 9 45.5	1.189	2.169	7.9	18.8
9 28	22 32.10	−10 0.0	1.226	2.158	13.0	19.1
10 8	22 26.09	− 9 59.3	1.284	2.146	17.5	19.3

334433 2002 GM_{109} 9 4.8 179°.27 0°.5/ 4.1 18

7 30	23 18.23	− 4 18.3	2.307	3.138	12.4	21.3
8 9	23 13.81	− 5 17.2	2.226	3.140	9.5	21.1
8 19	23 7.69	− 6 28.3	2.168	3.141	6.1	20.9
8 29	23 0.35	− 7 47.2	2.138	3.142	2.4	20.7
9 8	22 52.48	− 9 7.9	2.137	3.142	1.6	20.6
9 18	22 44.83	−10 24.4	2.165	3.141	5.3	20.9
9 28	22 38.16	−11 31.1	2.222	3.140	8.7	21.1
10 8	22 33.08	−12 24.3	2.303	3.138	11.7	21.3

118916 2000 VR_{25} 9 4.8 9°.13 4°.8/31.2 18

7 30	23 19.52	−18 47.9	1.992	2.860	12.7	19.4
8 9	23 15.06	−19 36.7	1.928	2.860	9.7	19.2
8 19	23 8.60	−20 26.5	1.886	2.860	6.8	19.1
8 29	23 0.73	−21 10.9	1.870	2.861	4.9	19.0
9 8	22 52.32	−21 43.6	1.881	2.862	5.7	19.0
9 18	22 44.28	−22 0.4	1.919	2.863	8.4	19.2
9 28	22 37.52	−21 59.0	1.981	2.864	11.4	19.4
10 8	22 32.69	−21 39.5	2.065	2.866	14.1	19.6

171829 2001 FY_{105} 9 4.8 245°.15 2°.0/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.80	− 7 46.7	1.648	2.506	15.4	20.2
8 9	23 15.82	− 8 44.8	1.565	2.494	11.7	20.0
8 19	23 9.42	− 9 57.1	1.503	2.483	7.5	19.7
8 29	23 1.19	−11 17.3	1.466	2.471	3.2	19.4
9 8	22 52.06	−12 37.0	1.456	2.458	3.2	19.4
9 18	22 43.14	−13 47.7	1.473	2.445	7.7	19.6
9 28	22 35.58	−14 42.4	1.515	2.432	12.1	19.9
10 8	22 30.28	−15 17.1	1.579	2.419	15.9	20.1

77160 2001 EK_{18} 9 4.8 150°.46 2°.8/ 7.3 18

7 30	23 21.72	+ 2 58.1	1.794	2.607	16.2	19.9
8 9	23 16.89	+ 2 48.5	1.719	2.614	12.9	19.7
8 19	23 9.88	+ 2 20.4	1.665	2.621	9.1	19.5
8 29	23 1.29	+ 1 35.9	1.635	2.628	5.1	19.3
9 8	22 52.04	+ 0 39.4	1.631	2.633	2.8	19.2
9 18	22 43.14	− 0 22.8	1.655	2.639	5.6	19.4
9 28	22 35.58	− 1 23.7	1.706	2.643	9.5	19.6
10 8	22 30.11	− 2 17.1	1.781	2.648	13.1	19.8

126384 2002 AO_{203} 9 4.8 1°.24 2°.6/ 2.5 18

7 30	23 17.08	− 9 22.9	1.459	2.332	16.1	20.3
8 9	23 13.83	−10 19.4	1.393	2.332	12.2	20.1
8 19	23 8.13	−11 28.3	1.348	2.331	7.8	19.8
8 29	23 0.63	−12 42.4	1.327	2.331	3.5	19.6
9 8	22 52.36	−13 52.6	1.331	2.332	3.8	19.6
9 18	22 44.50	−14 50.6	1.360	2.332	8.2	19.9
9 28	22 38.19	−15 30.3	1.414	2.334	12.5	20.1
10 8	22 34.23	−15 48.8	1.487	2.335	16.3	20.4

157023 2003 QM_{80} 9 4.8 25°.06 0°.1/ 4.6 18

7 30	23 16.49	− 5 22.5	1.941	2.788	13.8	20.4
8 9	23 12.71	− 5 43.0	1.872	2.794	10.6	20.2
8 19	23 7.07	− 6 14.5	1.825	2.801	6.8	20.0
8 29	23 0.11	− 6 53.0	1.804	2.808	2.8	19.7
9 8	22 52.63	− 7 33.8	1.809	2.815	1.4	19.6
9 18	22 45.49	− 8 11.7	1.842	2.823	5.5	19.9
9 28	22 39.52	− 8 42.0	1.900	2.831	9.2	20.2
10 8	22 35.34	− 9 1.5	1.983	2.839	12.5	20.4

372355 2009 HL_{1} 9 4.8 69°.23 1°.4/ 3.7 17

7 30	23 23.41	− 7 1.7	1.277	2.143	18.4	21.0
8 9	23 18.62	− 7 42.7	1.233	2.166	14.0	20.8
8 19	23 11.11	− 8 37.4	1.208	2.189	8.9	20.6
8 29	23 1.77	− 9 38.6	1.207	2.211	3.5	20.4
9 8	22 51.89	−10 37.5	1.230	2.234	2.8	20.4
9 18	22 42.81	−11 25.9	1.279	2.257	7.7	20.8
9 28	22 35.71	−11 58.4	1.352	2.280	12.3	21.1
10 8	22 31.31	−12 12.6	1.445	2.302	16.2	21.4

327734 2006 SP_{317} 9 4.8 178°.50 0°.5/ 4.3 17

7 30	23 19.96	− 4 23.6	1.674	2.521	15.6	21.4
8 9	23 15.75	− 5 9.4	1.600	2.523	12.0	21.2
8 19	23 9.25	− 6 10.6	1.547	2.523	7.8	20.9
8 29	23 1.08	− 7 22.1	1.519	2.524	3.1	20.6
9 8	22 52.17	− 8 36.4	1.518	2.524	1.8	20.5
9 18	22 43.60	− 9 45.8	1.544	2.523	6.5	20.9
9 28	22 36.42	−10 43.4	1.596	2.523	10.9	21.1
10 8	22 31.41	−11 24.8	1.670	2.522	14.6	21.3

12556 Kyrobinson 9 4.8 237°.53 2°.6/ 7.1 18

7 30	23 18.25	+ 3 0.9	1.661	2.485	16.8	18.3
8 9	23 14.54	+ 2 39.7	1.578	2.480	13.4	18.0
8 19	23 8.55	+ 1 57.3	1.514	2.474	9.5	17.8
8 29	23 0.83	+ 0 55.9	1.474	2.469	5.2	17.5
9 8	22 52.28	− 0 19.0	1.460	2.463	2.6	17.4
9 18	22 43.98	− 1 40.1	1.472	2.457	5.9	17.6
9 28	22 37.00	− 2 58.5	1.510	2.451	10.3	17.8
10 8	22 32.17	− 4 6.9	1.572	2.445	14.2	18.0

358397 2007 AO_{31} 9 4.8 21°.51 4°.8/30.4 18

7 30	23 16.66	−17 48.1	2.043	2.913	12.3	20.1
8 9	23 12.87	−19 2.2	1.980	2.914	9.4	19.9
8 19	23 7.20	−20 19.1	1.940	2.915	6.5	19.8
8 29	23 0.18	−21 31.5	1.927	2.917	4.8	19.7
9 8	22 52.62	−22 32.5	1.941	2.918	5.9	19.7
9 18	22 45.37	−23 16.7	1.981	2.920	8.5	19.9
9 28	22 39.29	−23 40.9	2.046	2.922	11.4	20.1
10 8	22 35.02	−23 44.7	2.132	2.924	14.0	20.3

470759 2008 UE_{169} 9 4.8 321°.41 3°.8/ 8.1 18

7 30	23 13.83	+ 4 53.4	1.466	2.299	18.2	20.7
8 9	23 11.54	+ 4 45.9	1.377	2.282	14.8	20.4
8 19	23 6.82	+ 4 13.7	1.307	2.265	10.8	20.1
8 29	23 0.19	+ 3 17.5	1.258	2.249	6.5	19.9
9 8	22 52.57	+ 2 1.8	1.233	2.234	3.8	19.7
9 18	22 45.10	+ 0 34.4	1.233	2.220	6.5	19.8
9 28	22 38.98	− 0 54.4	1.257	2.206	11.1	20.0
10 8	22 35.16	− 2 14.9	1.303	2.193	15.5	20.2

412557 2014 NH_{44} 9 4.8 1°.96 7°.0/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.67	+15 58.0	2.397	3.122	14.9	21.2
8 9	23 13.47	+16 40.2	2.308	3.122	12.9	21.0
8 19	23 7.54	+17 3.5	2.238	3.122	10.7	20.9
8 29	23 0.34	+17 6.1	2.191	3.122	8.6	20.8
9 8	22 52.54	+16 48.2	2.169	3.122	7.2	20.7
9 18	22 44.88	+16 12.0	2.173	3.123	7.2	20.7
9 28	22 38.17	+15 22.1	2.203	3.123	8.7	20.8
10 8	22 33.02	+14 24.7	2.258	3.123	10.8	20.9

388655 2007 TR_{265} 9 4.8 335°.37 0°.2/ 4.9 18

7 30	23 20.26	− 5 7.5	1.788	2.633	14.9	21.3
8 9	23 15.83	− 5 15.0	1.711	2.632	11.5	21.1
8 19	23 9.24	− 5 34.0	1.656	2.630	7.6	20.8
8 29	23 1.07	− 6 1.2	1.625	2.629	3.2	20.6
9 8	22 52.21	− 6 31.8	1.621	2.627	1.4	20.4
9 18	22 43.66	− 7 0.8	1.644	2.626	5.9	20.7
9 28	22 36.43	− 7 23.2	1.693	2.625	10.0	21.0
10 8	22 31.26	− 7 35.6	1.765	2.624	13.6	21.2

261808 2006 BD_{270} 9 4.8 229°.93 1°.0/ 6.0 18

7 30	23 14.74	− 0 20.8	2.516	3.335	11.9	20.6
8 9	23 11.07	− 0 55.5	2.427	3.330	9.3	20.5
8 19	23 5.89	− 1 43.1	2.361	3.325	6.3	20.3
8 29	22 59.64	− 2 40.9	2.321	3.320	3.0	20.0
9 8	22 52.89	− 3 44.6	2.309	3.315	1.2	19.9
9 18	22 46.30	− 4 49.5	2.327	3.310	4.3	20.1
9 28	22 40.55	− 5 50.4	2.372	3.304	7.6	20.3
10 8	22 36.17	− 6 43.1	2.444	3.298	10.5	20.5

68924 2002 LT_{47} 9 4.8 15°.85 0°.2/ 4.5 18

7 30	23 12.65	− 2 30.4	1.994	2.838	13.6	18.4
8 9	23 9.81	− 3 36.4	1.921	2.841	10.4	18.2
8 19	23 5.22	− 4 57.7	1.870	2.845	6.8	18.0
8 29	22 59.39	− 6 29.6	1.845	2.849	2.7	17.8
9 8	22 53.03	− 8 4.8	1.847	2.853	1.5	17.7
9 18	22 46.93	− 9 36.0	1.878	2.857	5.5	18.0
9 28	22 41.87	−10 56.2	1.935	2.862	9.2	18.2
10 8	22 38.46	−12 0.7	2.016	2.868	12.5	18.5

51162 2000 HP_{58} 9 4.8 202°.24 4°.3/ 9.8 18

7 30	23 17.62	+ 9 23.5	2.441	3.207	13.7	19.7
8 9	23 13.35	+ 9 22.2	2.347	3.203	11.3	19.5
8 19	23 7.43	+ 9 3.6	2.273	3.199	8.7	19.3
8 29	23 0.30	+ 8 27.6	2.224	3.195	6.0	19.1
9 8	22 52.59	+ 7 36.7	2.202	3.190	4.3	19.0
9 18	22 45.04	+ 6 34.9	2.208	3.184	5.2	19.1
9 28	22 38.39	+ 5 27.5	2.243	3.178	7.7	19.2
10 8	22 33.24	+ 4 20.6	2.303	3.172	10.5	19.4

337981 2002 CV_{166} 9 4.8 156°.17 2°.3/ 2.5 17

7 30	23 21.99	−11 38.0	2.150	2.998	12.6	21.7
8 9	23 16.74	−12 19.6	2.080	3.005	9.5	21.5
8 19	23 9.61	−13 7.1	2.035	3.012	6.1	21.3
8 29	23 1.17	−13 55.6	2.016	3.018	2.9	21.1
9 8	22 52.21	−14 39.4	2.025	3.023	3.2	21.2
9 18	22 43.61	−15 13.9	2.063	3.028	6.4	21.4
9 28	22 36.19	−15 35.4	2.128	3.033	9.7	21.6
10 8	22 30.58	−15 42.7	2.217	3.036	12.6	21.8

379615 2011 CA_{88} 9 4.8 278°.85 0°.0/ 4.6 18

7 30	23 19.10	− 3 48.3	1.574	2.425	16.3	21.5
8 9	23 15.49	− 4 19.1	1.482	2.405	12.7	21.2
8 19	23 9.36	− 5 7.0	1.410	2.386	8.4	20.9
8 29	23 1.26	− 6 8.0	1.362	2.366	3.5	20.6
9 8	22 52.11	− 7 15.6	1.340	2.347	1.7	20.4
9 18	22 43.06	− 8 21.6	1.345	2.327	6.9	20.7
9 28	22 35.36	− 9 18.1	1.374	2.306	11.8	20.9
10 8	22 29.99	− 9 59.1	1.425	2.286	16.1	21.1

512156 2015 PC_{314} 9 4.8 55°.10 2°.8/ 2.6 18

7 30	23 23.21	−13 39.6	1.785	2.645	14.3	20.7
8 9	23 17.97	−13 57.4	1.723	2.653	10.8	20.5
8 19	23 10.53	−14 19.3	1.682	2.660	7.0	20.3
8 29	23 1.56	−14 40.1	1.667	2.668	3.5	20.1
9 8	22 52.05	−14 54.5	1.678	2.676	3.7	20.1
9 18	22 43.04	−14 58.4	1.717	2.685	7.2	20.3
9 28	22 35.50	−14 49.3	1.781	2.693	10.9	20.6
10 8	22 30.13	−14 26.7	1.868	2.701	14.1	20.8

146039 2000 DA_{108} 9 4.8 138°.54 1°.7/ 3.2 17

7 30	23 21.46	− 8 14.4	1.784	2.635	14.6	20.3
8 9	23 16.68	− 9 3.2	1.718	2.644	11.1	20.1
8 19	23 9.73	−10 2.6	1.675	2.653	7.1	19.9
8 29	23 1.26	−11 6.7	1.657	2.661	2.9	19.6
9 8	22 52.19	−12 8.5	1.666	2.669	2.8	19.6
9 18	22 43.53	−13 1.5	1.703	2.676	6.8	19.9
9 28	22 36.25	−13 40.5	1.766	2.682	10.7	20.2
10 8	22 31.08	−14 3.0	1.852	2.689	14.1	20.4

482789 2013 LY_{10} 9 4.8 186°.25 7°.8/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.93	−33 48.1	2.697	3.543	10.4	21.0
8 9	23 15.12	−35 12.5	2.648	3.543	8.9	20.9
8 19	23 8.55	−36 28.9	2.623	3.542	8.0	20.8
8 29	23 0.74	−37 30.5	2.624	3.541	7.9	20.8
9 8	22 52.44	−38 12.4	2.650	3.540	8.8	20.9
9 18	22 44.45	−38 31.7	2.701	3.539	10.3	21.0
9 28	22 37.54	−38 27.9	2.774	3.537	11.9	21.1
10 8	22 32.33	−38 2.8	2.866	3.535	13.4	21.2

325185 2008 FF_{89} 9 4.8 124°.17 0°.5/ 4.4 17

7 30	23 21.70	− 4 52.1	1.655	2.502	15.8	21.8
8 9	23 16.98	− 5 32.6	1.591	2.513	12.1	21.6
8 19	23 9.99	− 6 27.1	1.548	2.524	7.8	21.4
8 29	23 1.38	− 7 30.4	1.530	2.534	3.1	21.2
9 8	22 52.15	− 8 35.3	1.539	2.544	1.8	21.1
9 18	22 43.37	− 9 34.8	1.575	2.554	6.5	21.4
9 28	22 36.09	−10 22.5	1.636	2.563	10.7	21.7
10 8	22 31.01	−10 54.9	1.721	2.572	14.3	21.9

185160 2006 SY_{212} 9 4.8 23°.91 0°.1/ 4.9 17

7 30	23 21.23	− 6 25.6	1.028	1.910	20.7	19.2
8 9	23 17.65	− 6 11.1	0.980	1.920	15.9	18.9
8 19	23 10.86	− 6 11.5	0.948	1.930	10.4	18.7
8 29	23 1.81	− 6 22.3	0.938	1.942	4.3	18.4
9 8	22 51.97	− 6 37.2	0.949	1.956	1.9	18.3
9 18	22 42.94	− 6 49.4	0.984	1.970	7.9	18.7
9 28	22 36.16	− 6 53.2	1.040	1.986	13.3	19.0
10 8	22 32.48	− 6 45.0	1.116	2.002	17.8	19.4

374891 2006 WH_{71} 9 4.8 285°.40 2°.1/ 6.4 18

7 30	23 19.53	+ 0 12.4	1.507	2.347	17.5	21.8
8 9	23 15.77	+ 0 6.3	1.427	2.340	13.9	21.5
8 19	23 9.49	− 0 18.6	1.366	2.333	9.6	21.2
8 29	23 1.29	− 1 0.3	1.328	2.327	4.9	21.0
9 8	22 52.17	− 1 53.5	1.315	2.320	2.3	20.8
9 18	22 43.32	− 2 51.3	1.328	2.314	6.4	21.0
9 28	22 35.94	− 3 45.6	1.366	2.307	11.1	21.3
10 8	22 30.95	− 4 29.9	1.425	2.301	15.3	21.5

390683 2002 TW_{365} 9 4.8 301°.31 2°.2/ 2.7 18

7 30	23 16.97	− 9 25.1	1.827	2.688	13.9	21.1
8 9	23 13.37	−10 16.6	1.749	2.681	10.6	20.8
8 19	23 7.69	−11 18.5	1.693	2.674	6.8	20.6
8 29	23 0.48	−12 25.0	1.663	2.667	3.0	20.3
9 8	22 52.58	−13 29.2	1.660	2.660	3.2	20.3
9 18	22 44.92	−14 24.2	1.683	2.653	7.1	20.6
9 28	22 38.48	−15 4.7	1.732	2.647	10.9	20.8
10 8	22 34.00	−15 27.6	1.803	2.640	14.3	21.0

121964 2000 EC_{99} 9 4.8 81°.53 2°.2/ 6.9 18

7 30	23 19.72	+ 0 26.3	2.398	3.206	12.7	20.0
8 9	23 14.88	+ 0 42.2	2.314	3.208	10.1	19.8
8 19	23 8.39	+ 0 47.1	2.253	3.209	7.1	19.6
8 29	23 0.70	+ 0 41.9	2.217	3.210	3.9	19.4
9 8	22 52.49	+ 0 29.1	2.209	3.211	2.2	19.3
9 18	22 44.51	+ 0 11.6	2.231	3.213	4.5	19.5
9 28	22 37.49	− 0 6.9	2.280	3.214	7.7	19.7
10 8	22 32.03	− 0 22.9	2.354	3.215	10.6	19.9

251855 1999 UX_{22} 9 4.8 281°.55 1°.2/ 3.5 18

7 30	23 16.96	− 8 25.2	2.224	3.072	12.2	21.1
8 9	23 13.00	− 8 58.0	2.138	3.063	9.3	20.9
8 19	23 7.28	− 9 39.2	2.076	3.054	6.0	20.7
8 29	23 0.28	−10 25.0	2.040	3.044	2.5	20.4
9 8	22 52.69	−11 10.2	2.031	3.035	2.1	20.4
9 18	22 45.28	−11 50.2	2.051	3.025	5.7	20.6
9 28	22 38.87	−12 20.5	2.098	3.016	9.2	20.8
10 8	22 34.08	−12 38.5	2.168	3.006	12.2	21.0

192409 1997 GX_{13} 9 4.8 219°.52 1°.6/ 6.7 18

7 30	23 18.99	+ 1 18.8	2.482	3.286	12.5	21.7
8 9	23 14.39	+ 0 55.7	2.383	3.275	9.9	21.5
8 19	23 8.13	+ 0 18.9	2.306	3.264	6.8	21.3
8 29	23 0.62	− 0 29.7	2.256	3.251	3.6	21.1
9 8	22 52.52	− 1 26.5	2.234	3.239	1.7	20.9
9 18	22 44.52	− 2 26.7	2.242	3.225	4.5	21.1
9 28	22 37.39	− 3 25.2	2.279	3.211	7.8	21.3
10 8	22 31.75	− 4 17.4	2.342	3.196	10.9	21.5

137635 1999 WD_{8} 9 4.8 251°.96 3°.5/ 1.7 18

7 30	23 21.82	−12 43.5	1.719	2.581	14.6	20.6
8 9	23 17.37	−13 39.7	1.634	2.566	11.2	20.3
8 19	23 10.47	−14 44.8	1.571	2.550	7.3	20.0
8 29	23 1.70	−15 52.0	1.534	2.534	4.0	19.8
9 8	22 52.00	−16 52.9	1.523	2.517	4.7	19.8
9 18	22 42.49	−17 40.3	1.539	2.500	8.5	20.0
9 28	22 34.35	−18 8.9	1.579	2.483	12.6	20.2
10 8	22 28.47	−18 16.8	1.641	2.465	16.2	20.4

353682 2011 UJ_{286} 9 4.8 327°.97 4°.3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 18.34	+ 3 22.2	1.620	2.444	17.1	20.2
8 9	23 14.78	+ 3 54.8	1.533	2.431	14.0	20.0
8 19	23 8.83	+ 4 10.1	1.464	2.419	10.3	19.7
8 29	23 1.05	+ 4 7.7	1.418	2.406	6.4	19.5
9 8	22 52.32	+ 3 49.6	1.397	2.395	4.3	19.3
9 18	22 43.76	+ 3 20.0	1.401	2.384	6.5	19.4
9 28	22 36.52	+ 2 45.0	1.430	2.374	10.5	19.6
10 8	22 31.49	+ 2 11.4	1.482	2.365	14.4	19.8

317206 2002 CY_{1} 9 4.8 98°.41 1°.2/ 5.7 18

7 30	23 25.80	− 3 17.8	1.843	2.669	15.3	19.7
8 9	23 19.79	− 3 8.1	1.780	2.688	11.8	19.5
8 19	23 11.65	− 3 9.8	1.738	2.705	7.9	19.3
8 29	23 2.04	− 3 20.6	1.722	2.723	3.6	19.1
9 8	22 51.92	− 3 36.8	1.734	2.740	1.6	19.0
9 18	22 42.32	− 3 54.0	1.775	2.757	5.5	19.3
9 28	22 34.18	− 4 8.3	1.842	2.773	9.4	19.6
10 8	22 28.17	− 4 16.1	1.933	2.789	12.7	19.8

255227 2005 UO_{420} 9 4.8 57°.40 7°.3/28.5 18

7 30	23 21.87	−27 13.0	2.075	2.937	12.5	20.2
8 9	23 16.84	−28 13.9	2.023	2.942	10.1	20.0
8 19	23 9.75	−29 9.1	1.994	2.947	8.0	19.9
8 29	23 1.26	−29 51.1	1.990	2.952	7.3	19.9
9 8	22 52.29	−30 14.3	2.013	2.958	8.2	19.9
9 18	22 43.80	−30 15.2	2.060	2.963	10.2	20.1
9 28	22 36.70	−29 53.6	2.131	2.969	12.6	20.3
10 8	22 31.63	−29 11.5	2.223	2.974	14.7	20.4

295010 2008 EP_{49} 9 4.8 118°.22 0°.0/ 4.7 17

7 30	23 23.00	− 4 47.8	1.690	2.532	15.7	21.5
8 9	23 17.92	− 5 12.5	1.626	2.545	12.1	21.3
8 19	23 10.57	− 5 50.2	1.583	2.557	7.8	21.1
8 29	23 1.64	− 6 36.5	1.565	2.569	3.2	20.8
9 8	22 52.11	− 7 25.2	1.574	2.580	1.6	20.7
9 18	22 43.06	− 8 10.1	1.611	2.591	6.2	21.1
9 28	22 35.49	− 8 45.8	1.674	2.602	10.4	21.4
10 8	22 30.15	− 9 8.8	1.759	2.612	13.9	21.6

61879 2000 QQ_{216} 9 4.8 334°.71 0°.8/ 3.9 18

7 30	23 17.05	− 6 37.1	2.013	2.862	13.3	19.3
8 9	23 13.19	− 7 11.0	1.936	2.860	10.2	19.1
8 19	23 7.45	− 7 55.3	1.881	2.858	6.5	18.8
8 29	23 0.37	− 8 46.0	1.853	2.857	2.6	18.6
9 8	22 52.70	− 9 37.5	1.851	2.856	1.8	18.5
9 18	22 45.29	−10 24.3	1.877	2.854	5.8	18.8
9 28	22 38.99	−11 1.5	1.929	2.853	9.5	19.0
10 8	22 34.46	−11 26.0	2.005	2.852	12.7	19.2

289643 2005 GU_{97} 9 4.8 248°.23 1°.4/ 3.6 18

7 30	23 19.67	− 6 25.2	1.565	2.422	16.0	21.3
8 9	23 15.83	− 7 16.2	1.485	2.414	12.3	21.0
8 19	23 9.52	− 8 22.6	1.426	2.405	7.9	20.7
8 29	23 1.33	− 9 38.6	1.391	2.396	3.2	20.4
9 8	22 52.23	−10 55.9	1.382	2.386	2.7	20.4
9 18	22 43.38	−12 5.7	1.400	2.377	7.5	20.6
9 28	22 35.97	−13 0.8	1.443	2.367	12.1	20.9
10 8	22 30.89	−13 36.6	1.507	2.356	16.0	21.1

116810 2004 EX_{76} 9 4.8 79°.28 2°.8/ 2.8 17

7 30	23 24.26	−11 51.4	1.492	2.357	16.3	19.7
8 9	23 19.17	−12 19.2	1.434	2.367	12.4	19.5
8 19	23 11.50	−12 54.4	1.397	2.377	7.9	19.3
8 29	23 2.05	−13 30.4	1.384	2.387	3.7	19.0
9 8	22 51.94	−14 0.3	1.396	2.397	3.8	19.1
9 18	22 42.44	−14 18.5	1.435	2.406	8.0	19.4
9 28	22 34.70	−14 21.4	1.499	2.416	12.1	19.6
10 8	22 29.47	−14 8.2	1.584	2.426	15.7	19.9

497309 2005 TW_{42} 9 4.8 31°.43 3°.1/ 6.9 17

7 30	23 16.62	+ 2 10.1	0.927	1.800	23.2	21.4
8 9	23 14.41	+ 2 2.0	0.880	1.810	18.4	21.2
8 19	23 8.94	+ 1 24.1	0.848	1.821	12.8	20.9
8 29	23 1.10	+ 0 19.9	0.834	1.834	6.8	20.6
9 8	22 52.38	− 1 1.2	0.842	1.847	3.2	20.5
9 18	22 44.40	− 2 26.7	0.871	1.861	7.8	20.8
9 28	22 38.65	− 3 43.8	0.922	1.876	13.3	21.2
10 8	22 36.04	− 4 43.3	0.992	1.892	18.2	21.5

356895 2011 YO_{16} 9 4.8 275°.09 3°.2/10.8 18

7 30	23 12.31	+10 52.9	4.566	5.298	8.2	20.3
8 9	23 8.60	+11 10.0	4.461	5.290	6.9	20.2
8 19	23 4.04	+11 17.9	4.379	5.282	5.5	20.1
8 29	22 58.87	+11 16.6	4.323	5.274	4.1	20.0
9 8	22 53.42	+11 6.9	4.295	5.267	3.2	19.9
9 18	22 48.03	+10 50.1	4.297	5.259	3.5	19.9
9 28	22 43.06	+10 28.2	4.327	5.251	4.7	20.0
10 8	22 38.83	+10 3.4	4.384	5.243	6.1	20.1

60314 1999 XU_{226} 9 4.8 15°.61 0°.4/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.72	− 4 19.6	1.809	2.657	14.6	18.5
8 9	23 13.06	− 4 29.0	1.740	2.662	11.3	18.3
8 19	23 7.41	− 4 50.3	1.693	2.667	7.4	18.1
8 29	23 0.35	− 5 20.4	1.670	2.673	3.2	17.9
9 8	22 52.73	− 5 54.4	1.673	2.680	1.3	17.7
9 18	22 45.45	− 6 27.3	1.703	2.687	5.5	18.1
9 28	22 39.43	− 6 54.1	1.759	2.695	9.5	18.3
10 8	22 35.30	− 7 11.1	1.838	2.703	12.9	18.5

86989 2000 JO_{32} 9 4.8 35°.95 7°.2/11.0 18

7 30	23 16.78	+11 10.7	1.247	2.059	21.9	18.6
8 9	23 13.85	+11 35.5	1.194	2.075	18.3	18.4
8 19	23 8.25	+11 29.2	1.156	2.092	14.2	18.2
8 29	23 0.76	+10 50.9	1.138	2.110	10.1	18.1
9 8	22 52.55	+ 9 44.9	1.142	2.129	7.4	18.0
9 18	22 44.93	+ 8 19.5	1.169	2.149	8.1	18.1
9 28	22 39.08	+ 6 46.4	1.220	2.169	11.4	18.3
10 8	22 35.82	+ 5 17.1	1.293	2.190	15.0	18.6

517690 2015 DO_{232} 9 4.8 106°.79 8°.1/28.2 18

7 30	23 24.25	−27 2.8	1.826	2.691	13.8	21.0
8 9	23 18.87	−28 23.7	1.783	2.703	11.1	20.9
8 19	23 11.16	−29 38.2	1.762	2.715	8.9	20.8
8 29	23 1.87	−30 37.4	1.766	2.727	8.1	20.8
9 8	22 52.06	−31 13.9	1.796	2.738	9.2	20.9
9 18	22 42.86	−31 24.3	1.850	2.750	11.4	21.0
9 28	22 35.30	−31 8.3	1.927	2.761	13.8	21.2
10 8	22 30.06	−30 29.1	2.024	2.772	16.1	21.4

136169 2003 UN_{109} 9 4.8 13°.12 0°.1/ 4.9 17

7 30	23 19.06	− 5 12.6	1.086	1.965	20.0	19.4
8 9	23 16.02	− 5 14.8	1.029	1.967	15.5	19.2
8 19	23 9.90	− 5 34.0	0.989	1.971	10.2	18.9
8 29	23 1.51	− 6 5.6	0.970	1.975	4.3	18.6
9 8	22 52.20	− 6 42.2	0.974	1.980	1.9	18.5
9 18	22 43.50	− 7 15.6	1.001	1.987	7.9	18.8
9 28	22 36.85	− 7 38.7	1.049	1.994	13.2	19.2
10 8	22 33.18	− 7 46.9	1.118	2.003	17.8	19.5

156693 2002 LN_{11} 9 4.8 127°.79 5°.7/12.9 18

7 30	23 16.16	+16 13.1	2.757	3.472	13.4	20.2
8 9	23 12.04	+16 20.9	2.673	3.483	11.5	20.0
8 19	23 6.48	+16 10.4	2.609	3.493	9.3	19.9
8 29	22 59.92	+15 40.9	2.568	3.504	7.3	19.8
9 8	22 52.94	+14 54.1	2.554	3.513	5.9	19.7
9 18	22 46.16	+13 53.1	2.567	3.523	5.9	19.7
9 28	22 40.22	+12 42.7	2.607	3.532	7.3	19.9
10 8	22 35.61	+11 28.7	2.674	3.541	9.3	20.0

269850 2000 DM_{53} 9 4.8 177°.84 1°.7/ 6.1 18

7 30	23 22.80	− 1 20.5	1.702	2.533	16.2	20.6
8 9	23 17.92	− 1 18.3	1.625	2.534	12.7	20.4
8 19	23 10.71	− 1 30.8	1.568	2.534	8.7	20.2
8 29	23 1.77	− 1 55.9	1.535	2.534	4.3	19.9
9 8	22 52.07	− 2 29.3	1.529	2.535	1.9	19.8
9 18	22 42.69	− 3 5.5	1.550	2.534	5.9	20.0
9 28	22 34.74	− 3 38.8	1.598	2.534	10.2	20.3
10 8	22 29.00	− 4 4.2	1.668	2.533	14.0	20.5

195104 2002 CN_{130} 9 4.8 313°.36 2°.4/ 8.5 15

7 30	23 15.66	+ 4 39.4	4.114	4.882	8.5	19.4
8 9	23 11.19	+ 5 2.2	4.014	4.876	6.9	19.3
8 19	23 5.73	+ 5 17.2	3.937	4.871	5.1	19.1
8 29	22 59.58	+ 5 24.7	3.888	4.865	3.4	19.0
9 8	22 53.11	+ 5 25.7	3.869	4.860	2.4	18.9
9 18	22 46.73	+ 5 21.5	3.879	4.854	3.2	19.0
9 28	22 40.84	+ 5 13.9	3.920	4.849	4.9	19.1
10 8	22 35.82	+ 5 5.2	3.988	4.844	6.7	19.2

147928 2006 VW_{137} 9 4.8 352°.97 5°.4/ 1.2 17 R

7 30	23 14.97	−14 18.1	1.017	1.922	18.9	19.2
8 9	23 13.21	−15 11.5	0.960	1.914	14.5	18.9
8 19	23 8.26	−16 14.4	0.921	1.908	9.6	18.7
8 29	23 0.89	−17 16.3	0.902	1.903	5.7	18.4
9 8	22 52.49	−18 5.4	0.904	1.900	6.8	18.5
9 18	22 44.64	−18 32.4	0.929	1.898	11.4	18.7
9 28	22 38.88	−18 32.1	0.973	1.898	16.2	19.0
10 8	22 36.19	−18 4.8	1.034	1.900	20.5	19.3

403674 2010 UE_{23} 9 4.8 146°.23 2°.1/ 2.4 18

7 30	23 18.25	−11 49.3	2.416	3.266	11.3	21.4
8 9	23 13.75	−12 26.5	2.344	3.270	8.6	21.2
8 19	23 7.64	−13 8.9	2.296	3.273	5.5	21.0
8 29	23 0.41	−13 52.2	2.275	3.277	2.6	20.8
9 8	22 52.73	−14 31.6	2.283	3.280	2.9	20.9
9 18	22 45.32	−15 2.9	2.319	3.284	5.8	21.1
9 28	22 38.90	−15 23.2	2.382	3.287	8.8	21.3
10 8	22 34.01	−15 30.8	2.469	3.290	11.5	21.5

217654 1998 RM_1 9 4.8 303°.21 3°.1/ 4.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 52.73	−19 11.0	1.038	1.890	22.7	19.4
8 9	23 44.05	−17 50.9	0.937	1.859	18.4	19.1
8 19	23 29.76	−16 13.2	0.854	1.827	12.7	18.6
8 29	23 10.38	−14 8.8	0.794	1.796	6.1	18.1
9 8	22 47.83	−11 33.3	0.761	1.765	4.3	17.9
9 18	22 25.19	− 8 32.6	0.757	1.734	11.6	18.2
9 28	22 5.75	− 5 20.6	0.779	1.704	19.2	18.5
10 8	21 51.62	− 2 11.1	0.822	1.675	25.6	18.8

249064 2007 TP_{384} 9 4.8 14°.22 1°.7/ 3.5 18

7 30	23 14.78	− 5 20.8	1.068	1.954	19.7	19.5
8 9	23 12.78	− 6 23.3	1.012	1.957	15.1	19.2
8 19	23 7.82	− 7 47.3	0.975	1.960	9.6	18.9
8 29	23 0.67	− 9 24.0	0.958	1.964	3.8	18.6
9 8	22 52.62	−11 1.1	0.965	1.969	3.2	18.6
9 18	22 45.12	−12 26.0	0.994	1.975	8.9	19.0
9 28	22 39.57	−13 29.0	1.046	1.982	14.2	19.3
10 8	22 36.86	−14 5.5	1.116	1.990	18.7	19.6

62522 2000 SL_{248} 9 4.8 85°.51 3°.1/ 2.1 18

7 30	23 20.74	−11 55.1	1.644	2.510	15.0	19.6
8 9	23 16.31	−12 47.7	1.586	2.519	11.3	19.4
8 19	23 9.59	−13 48.0	1.549	2.529	7.3	19.2
8 29	23 1.27	−14 49.1	1.537	2.538	3.7	19.0
9 8	22 52.36	−15 43.2	1.551	2.548	4.2	19.1
9 18	22 43.93	−16 24.1	1.592	2.557	7.9	19.3
9 28	22 37.01	−16 47.5	1.657	2.567	11.7	19.6
10 8	22 32.31	−16 52.3	1.744	2.576	15.0	19.8

2795 Lepage 9 4.8 203°.24 3°.4/ 7.7 18

7 30	23 19.13	+ 4 15.7	1.537	2.360	18.0	16.6
8 9	23 15.40	+ 4 3.3	1.459	2.359	14.5	16.4
8 19	23 9.23	+ 3 28.1	1.401	2.358	10.4	16.2
8 29	23 1.22	+ 2 31.6	1.364	2.357	6.0	15.9
9 8	22 52.37	+ 1 19.1	1.353	2.355	3.4	15.7
9 18	22 43.81	− 0 1.5	1.368	2.354	6.3	15.9
9 28	22 36.72	− 1 21.2	1.409	2.352	10.6	16.2
10 8	22 31.94	− 2 31.5	1.472	2.351	14.7	16.4

259253 2003 CY 9 4.8 284°.78 10°.2/24.9 16

7 30	23 14.81	−15 38.5	1.021	1.928	18.7	19.3
8 9	23 13.50	−19 33.5	0.960	1.914	14.5	19.0
8 19	23 8.82	−23 51.9	0.921	1.901	11.0	18.8
8 29	23 1.31	−28 8.6	0.907	1.887	10.6	18.7
9 8	22 52.26	−31 55.2	0.917	1.874	13.8	18.9
9 18	22 43.40	−34 50.1	0.949	1.860	18.4	19.1
9 28	22 36.61	−36 44.1	1.000	1.847	22.7	19.3
10 8	22 33.22	−37 39.7	1.064	1.834	26.4	19.5

54063 2000 GC_{136} 9 4.8 78°.79 3°.6/ 1.2 18 R

7 30	23 19.23	−13 35.1	1.913	2.776	13.3	18.7
8 9	23 14.78	−14 43.5	1.864	2.796	10.0	18.5
8 19	23 8.40	−15 57.0	1.838	2.817	6.5	18.4
8 29	23 0.74	−17 8.5	1.838	2.837	3.8	18.2
9 8	22 52.65	−18 11.0	1.866	2.857	4.5	18.3
9 18	22 45.02	−18 58.9	1.921	2.877	7.6	18.6
9 28	22 38.71	−19 29.0	2.002	2.897	10.7	18.8
10 8	22 34.30	−19 40.5	2.104	2.916	13.5	19.0

384327 2009 SM_{289} 9 4.8 281°.35 0°.8/ 4.1 18

7 30	23 18.99	− 5 29.5	1.647	2.500	15.6	21.5
8 9	23 15.38	− 6 9.6	1.551	2.477	12.1	21.3
8 19	23 9.33	− 7 5.5	1.476	2.453	7.9	21.0
8 29	23 1.33	− 8 12.8	1.425	2.429	3.2	20.6
9 8	22 52.28	− 9 24.5	1.400	2.405	2.2	20.5
9 18	22 43.28	−10 32.2	1.402	2.381	7.1	20.7
9 28	22 35.55	−11 28.4	1.429	2.356	11.9	21.0
10 8	22 30.04	−12 7.6	1.478	2.331	16.1	21.2

476225 2007 UT_{140} 9 4.8 39°.78 7°.4/29.8 18

7 30	23 20.86	−22 31.6	1.512	2.393	15.2	20.3
8 9	23 16.59	−23 43.5	1.471	2.407	11.9	20.2
8 19	23 9.81	−24 52.4	1.451	2.421	8.9	20.0
8 29	23 1.35	−25 48.8	1.455	2.436	7.4	20.0
9 8	22 52.38	−26 24.5	1.484	2.451	8.5	20.1
9 18	22 44.08	−26 35.2	1.537	2.467	11.2	20.3
9 28	22 37.56	−26 20.1	1.612	2.484	14.2	20.5
10 8	22 33.47	−25 41.9	1.706	2.500	16.9	20.7

136439 2005 EV_{53} 9 4.8 6°.05 1°.9/ 3.8 18

7 30	23 22.64	−10 54.0	1.056	1.943	19.8	19.0
8 9	23 18.91	−10 45.0	0.999	1.943	15.2	18.7
8 19	23 11.86	−10 44.8	0.959	1.943	9.9	18.4
8 29	23 2.36	−10 47.9	0.940	1.945	4.1	18.1
9 8	22 51.89	−10 47.6	0.944	1.949	3.2	18.0
9 18	22 42.11	−10 38.4	0.971	1.953	8.8	18.4
9 28	22 34.60	−10 16.6	1.019	1.958	14.2	18.7
10 8	22 30.29	− 9 41.0	1.087	1.965	18.8	19.0

107120 2001 AP_{39} 9 4.8 206°.66 2°.6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.52	+ 1 33.8	1.506	2.338	17.8	19.7
8 9	23 16.51	+ 1 26.7	1.430	2.337	14.2	19.4
8 19	23 9.97	+ 0 59.5	1.373	2.336	9.9	19.2
8 29	23 1.54	+ 0 14.2	1.339	2.335	5.3	18.9
9 8	22 52.24	− 0 44.0	1.330	2.334	2.6	18.7
9 18	22 43.27	− 1 47.8	1.347	2.332	6.3	19.0
9 28	22 35.81	− 2 48.8	1.389	2.331	10.9	19.2
10 8	22 30.75	− 3 40.2	1.454	2.329	15.0	19.5

264095 2009 SX_{288} 9 4.8 320°.71 0°.2/ 4.6 17

7 30	23 15.88	− 5 32.8	1.980	2.828	13.5	20.7
8 9	23 12.45	− 5 54.9	1.891	2.814	10.4	20.5
8 19	23 7.10	− 6 28.3	1.824	2.800	6.8	20.3
8 29	23 0.31	− 7 9.5	1.783	2.787	2.8	20.0
9 8	22 52.83	− 7 53.8	1.768	2.774	1.5	19.8
9 18	22 45.52	− 8 35.6	1.780	2.761	5.7	20.1
9 28	22 39.27	− 9 9.9	1.819	2.749	9.6	20.3
10 8	22 34.80	− 9 32.9	1.880	2.737	13.0	20.5

494509 2016 XS_9 9 4.8 226°.45 2°.4/ 7.0 18

7 30	23 19.15	+ 1 14.8	2.019	2.835	14.5	21.0
8 9	23 14.81	+ 1 17.9	1.937	2.835	11.5	20.8
8 19	23 8.55	+ 1 6.5	1.875	2.834	8.1	20.6
8 29	23 0.88	+ 0 42.2	1.839	2.833	4.5	20.4
9 8	22 52.58	+ 0 8.1	1.830	2.832	2.4	20.2
9 18	22 44.52	− 0 31.0	1.848	2.832	5.1	20.4
9 28	22 37.58	− 1 10.1	1.893	2.831	8.7	20.6
10 8	22 32.44	− 1 44.2	1.963	2.830	12.1	20.9

320040 2007 DB_{112} 9 4.8 81°.30 4°.0/ 1.2 18

7 30	23 24.09	−19 17.7	2.259	3.112	11.9	21.0
8 9	23 18.25	−19 38.1	2.195	3.119	9.1	20.8
8 19	23 10.56	−19 57.6	2.155	3.126	6.3	20.6
8 29	23 1.63	−20 11.4	2.142	3.133	4.2	20.5
9 8	22 52.28	−20 15.1	2.156	3.141	4.7	20.6
9 18	22 43.36	−20 6.0	2.199	3.148	7.2	20.7
9 28	22 35.70	−19 43.0	2.269	3.155	10.0	20.9
10 8	22 29.87	−19 6.8	2.362	3.162	12.6	21.1

288563 2004 HR_{16} 9 4.8 102°.57 0°.7/ 4.2 17

7 30	23 22.65	− 6 24.9	1.647	2.496	15.8	21.0
8 9	23 17.72	− 6 53.9	1.586	2.509	12.0	20.8
8 19	23 10.49	− 7 34.7	1.546	2.522	7.7	20.6
8 29	23 1.67	− 8 22.4	1.531	2.535	3.1	20.4
9 8	22 52.26	− 9 10.4	1.543	2.548	2.0	20.3
9 18	22 43.35	− 9 52.6	1.582	2.560	6.5	20.6
9 28	22 35.98	−10 23.7	1.646	2.573	10.7	20.9
10 8	22 30.85	−10 40.8	1.734	2.584	14.2	21.2

370663 2004 CV_{83} 9 4.8 300°.44 2°.1/ 6.1 18

7 30	23 23.19	− 2 19.7	1.433	2.278	17.9	20.5
8 9	23 18.82	− 1 56.1	1.349	2.267	14.2	20.2
8 19	23 11.66	− 1 46.8	1.286	2.255	9.8	19.9
8 29	23 2.33	− 1 50.6	1.245	2.244	4.9	19.6
9 8	22 51.90	− 2 4.0	1.228	2.234	2.3	19.5
9 18	22 41.70	− 2 21.9	1.238	2.223	6.8	19.7
9 28	22 33.12	− 2 38.5	1.271	2.213	11.8	20.0
10 8	22 27.16	− 2 48.4	1.327	2.203	16.2	20.2

195539 2002 JQ_{45} 9 4.8 108°.28 2°.0/ 6.7 18

7 30	23 19.50	+ 0 56.7	1.854	2.677	15.3	20.5
8 9	23 15.17	+ 0 44.3	1.782	2.685	12.1	20.3
8 19	23 8.80	+ 0 15.6	1.731	2.693	8.3	20.1
8 29	23 0.99	− 0 26.8	1.704	2.700	4.4	19.9
9 8	22 52.57	− 1 18.5	1.703	2.708	2.1	19.8
9 18	22 44.50	− 2 13.4	1.731	2.715	5.3	20.0
9 28	22 37.68	− 3 5.5	1.785	2.722	9.2	20.2
10 8	22 32.81	− 3 49.4	1.863	2.730	12.7	20.5

470979 2009 SG_{56} 9 4.8 328°.34 7°.5/12.3 17

7 30	23 16.46	+15 1.3	1.617	2.385	19.5	21.8
8 9	23 13.35	+15 9.6	1.535	2.384	16.7	21.6
8 19	23 7.91	+14 48.3	1.470	2.383	13.4	21.4
8 29	23 0.71	+13 55.8	1.426	2.382	10.1	21.2
9 8	22 52.68	+12 34.2	1.404	2.381	7.8	21.1
9 18	22 44.90	+10 50.2	1.408	2.380	8.0	21.1
9 28	22 38.48	+ 8 54.0	1.437	2.379	10.6	21.2
10 8	22 34.27	+ 6 57.4	1.489	2.378	13.9	21.4

188873 2006 UZ_{271} 9 4.8 166°.31 3°.5/ 8.0 17

7 30	23 20.19	+ 4 57.4	1.758	2.566	16.7	21.0
8 9	23 15.89	+ 4 49.5	1.679	2.568	13.5	20.8
8 19	23 9.40	+ 4 21.3	1.620	2.571	9.7	20.5
8 29	23 1.28	+ 3 33.9	1.584	2.573	5.8	20.3
9 8	22 52.43	+ 2 31.7	1.575	2.575	3.5	20.2
9 18	22 43.87	+ 1 21.1	1.592	2.576	5.8	20.3
9 28	22 36.63	+ 0 9.8	1.637	2.577	9.6	20.6
10 8	22 31.47	− 0 54.9	1.705	2.578	13.3	20.8

164963 2000 AW_{29} 9 4.8 285°.96 5°.1/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 21.90	+ 6 15.9	1.877	2.670	16.3	19.7
8 9	23 17.20	+ 6 58.5	1.788	2.664	13.4	19.5
8 19	23 10.28	+ 7 24.5	1.719	2.657	10.2	19.3
8 29	23 1.67	+ 7 32.8	1.674	2.651	7.0	19.1
9 8	22 52.23	+ 7 24.3	1.655	2.644	5.1	18.9
9 18	22 42.96	+ 7 2.1	1.662	2.638	6.5	19.0
9 28	22 34.90	+ 6 31.4	1.695	2.632	9.7	19.2
10 8	22 28.88	+ 5 58.3	1.753	2.626	13.0	19.4

187750 1994 WB_7 9 4.8 43°.72 0°.4/ 4.5 17

7 30	23 16.90	− 3 15.1	1.391	2.252	17.5	20.3
8 9	23 13.76	− 4 10.6	1.330	2.260	13.4	20.1
8 19	23 8.16	− 5 25.0	1.289	2.268	8.7	19.8
8 29	23 0.78	− 6 52.2	1.272	2.276	3.5	19.5
9 8	22 52.69	− 8 22.6	1.279	2.285	1.9	19.5
9 18	22 45.07	− 9 46.6	1.312	2.294	7.1	19.8
9 28	22 39.03	−10 55.5	1.370	2.303	11.8	20.1
10 8	22 35.37	−11 44.5	1.448	2.313	15.7	20.4

3968 Koptelov 9 4.8 67°.38 2°.7/ 6.7 18

7 30	23 23.49	− 0 3.7	1.387	2.227	18.7	16.3
8 9	23 18.81	+ 0 11.6	1.325	2.237	14.8	16.1
8 19	23 11.45	+ 0 8.8	1.281	2.247	10.2	15.9
8 29	23 2.15	− 0 10.3	1.259	2.257	5.4	15.6
9 8	22 52.09	− 0 40.9	1.263	2.267	2.8	15.5
9 18	22 42.56	− 1 17.0	1.292	2.277	6.6	15.7
9 28	22 34.80	− 1 51.5	1.345	2.288	11.2	16.0
10 8	22 29.65	− 2 18.5	1.421	2.298	15.2	16.3

451776 2013 GN_{71} 9 4.8 330°.15 1°.9/ 6.7 18

7 30	23 13.48	+ 1 26.1	1.838	2.671	15.1	20.7
8 9	23 10.77	+ 1 0.0	1.750	2.659	12.0	20.5
8 19	23 6.09	+ 0 15.4	1.682	2.647	8.3	20.2
8 29	22 59.94	− 0 45.1	1.638	2.636	4.3	20.0
9 8	22 53.08	− 1 56.5	1.620	2.625	1.9	19.8
9 18	22 46.38	− 3 12.0	1.629	2.616	5.4	20.0
9 28	22 40.78	− 4 24.2	1.665	2.606	9.4	20.2
10 8	22 37.01	− 5 26.5	1.723	2.597	13.1	20.4

55587 2002 PD_{50} 9 4.8 324°.78 5°.5/ 1.1 18

7 30	23 21.39	−16 46.4	1.281	2.166	17.1	17.8
8 9	23 17.75	−17 30.0	1.211	2.154	13.2	17.6
8 19	23 11.08	−18 18.3	1.161	2.142	9.0	17.3
8 29	23 2.11	−19 2.6	1.134	2.131	5.8	17.1
9 8	22 52.08	−19 33.1	1.130	2.121	6.7	17.1
9 18	22 42.48	−19 42.9	1.150	2.111	10.8	17.3
9 28	22 34.77	−19 28.4	1.191	2.102	15.2	17.5
10 8	22 29.95	−18 50.3	1.252	2.094	19.1	17.8

157951 2000 CB_{72} 9 4.8 255°.01 0°.3/ 4.5 18

7 30	23 16.38	− 5 23.6	2.549	3.383	11.3	21.1
8 9	23 12.39	− 5 53.1	2.455	3.371	8.7	20.9
8 19	23 6.86	− 6 32.0	2.386	3.358	5.6	20.7
8 29	23 0.19	− 7 17.1	2.342	3.346	2.3	20.4
9 8	22 52.98	− 8 4.6	2.328	3.333	1.3	20.3
9 18	22 45.90	− 8 49.9	2.342	3.321	4.7	20.6
9 28	22 39.65	− 9 28.9	2.384	3.308	8.0	20.7
10 8	22 34.80	− 9 58.4	2.452	3.294	10.8	20.9

117327 2004 WD_9 9 4.8 213°.56 2°.4/ 7.1 18

7 30	23 21.02	+ 1 36.4	2.132	2.939	14.1	20.2
8 9	23 16.22	+ 1 37.6	2.041	2.934	11.3	20.0
8 19	23 9.49	+ 1 24.6	1.972	2.928	7.9	19.8
8 29	23 1.32	+ 0 58.7	1.928	2.921	4.4	19.5
9 8	22 52.47	+ 0 23.0	1.912	2.914	2.4	19.4
9 18	22 43.79	− 0 18.2	1.924	2.907	5.1	19.6
9 28	22 36.18	− 0 59.6	1.963	2.899	8.6	19.8
10 8	22 30.34	− 1 36.3	2.028	2.890	12.0	20.0

300803 2007 WK_1 9 4.8 233°.58 1°.1/ 3.8 18

7 30	23 20.04	− 8 6.3	2.067	2.913	13.1	21.1
8 9	23 15.50	− 8 31.6	1.985	2.907	10.1	20.9
8 19	23 9.01	− 9 5.6	1.925	2.902	6.5	20.6
8 29	23 1.11	− 9 44.4	1.892	2.896	2.6	20.4
9 8	22 52.58	−10 23.0	1.886	2.890	2.0	20.3
9 18	22 44.28	−10 56.4	1.908	2.883	5.9	20.6
9 28	22 37.10	−11 20.4	1.956	2.877	9.6	20.8
10 8	22 31.73	−11 32.4	2.029	2.870	12.8	21.0

310698 2002 JH_4 9 4.8 55°.68 7°.5/25.7 18

7 30	23 16.14	−24 33.6	2.046	2.920	12.1	19.6
8 9	23 12.63	−26 50.8	2.006	2.933	9.7	19.5
8 19	23 7.17	−29 4.8	1.991	2.946	7.9	19.4
8 29	23 0.34	−31 5.8	2.003	2.960	7.6	19.4
9 8	22 52.95	−32 45.1	2.042	2.974	8.9	19.5
9 18	22 45.90	−33 57.3	2.106	2.988	11.0	19.7
9 28	22 40.08	−34 40.7	2.193	3.002	13.2	19.9
10 8	22 36.11	−34 56.6	2.299	3.016	15.2	20.0

423407 2005 MN_5 9 4.8 210°.62 4°.2/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.62	+18 59.5	4.631	5.305	8.8	20.8
8 9	23 6.62	+18 57.7	4.530	5.305	7.7	20.8
8 19	23 2.81	+18 43.8	4.450	5.304	6.4	20.7
8 29	22 58.45	+18 17.7	4.394	5.304	5.2	20.6
9 8	22 53.83	+17 40.3	4.364	5.303	4.4	20.5
9 18	22 49.31	+16 53.1	4.362	5.302	4.2	20.5
9 28	22 45.21	+15 58.8	4.388	5.301	4.9	20.5
10 8	22 41.84	+15 0.2	4.442	5.301	6.0	20.6

392579 2011 SV_{144} 9 4.8 119°.08 0°.4/ 5.3 18

7 30	23 19.17	− 3 42.5	2.014	2.849	13.8	21.4
8 9	23 14.80	− 3 59.2	1.938	2.852	10.7	21.2
8 19	23 8.53	− 4 27.7	1.884	2.855	7.0	21.0
8 29	23 0.90	− 5 4.8	1.856	2.858	3.1	20.7
9 8	22 52.70	− 5 45.9	1.855	2.861	1.2	20.6
9 18	22 44.78	− 6 26.0	1.882	2.864	5.2	20.9
9 28	22 38.02	− 7 0.3	1.935	2.867	9.0	21.1
10 8	22 33.06	− 7 25.1	2.013	2.869	12.3	21.3

474492 2003 SC_{402} 9 4.8 337°.24 6°.0/29.9 18

7 30	23 14.61	−16 13.9	1.465	2.354	15.2	20.7
8 9	23 12.17	−17 53.7	1.399	2.344	11.6	20.5
8 19	23 7.26	−19 41.3	1.355	2.336	8.1	20.3
8 29	23 0.50	−21 26.4	1.335	2.328	6.0	20.1
9 8	22 52.88	−22 57.3	1.340	2.321	7.5	20.2
9 18	22 45.58	−24 5.0	1.369	2.314	11.0	20.4
9 28	22 39.79	−24 44.0	1.420	2.308	14.7	20.6
10 8	22 36.34	−24 53.7	1.491	2.303	18.1	20.8

123343 2000 VT_{57} 9 4.8 188°.87 4°.0/31.3 18

7 30	23 19.57	−18 24.3	2.475	3.332	10.9	19.6
8 9	23 14.82	−19 12.2	2.404	3.331	8.3	19.4
8 19	23 8.40	−20 1.2	2.358	3.330	5.8	19.2
8 29	23 0.82	−20 46.0	2.339	3.329	4.1	19.1
9 8	22 52.76	−21 21.7	2.348	3.328	4.8	19.2
9 18	22 44.97	−21 44.3	2.385	3.326	7.1	19.3
9 28	22 38.19	−21 51.7	2.448	3.324	9.8	19.5
10 8	22 33.00	−21 43.6	2.534	3.322	12.1	19.7

252747 2002 EQ_{13} 9 4.8 206°.54 0°.3/ 5.2 18

7 30	23 18.01	− 3 53.5	2.370	3.199	12.2	20.8
8 9	23 13.68	− 4 11.7	2.286	3.197	9.4	20.6
8 19	23 7.71	− 4 40.0	2.224	3.194	6.2	20.4
8 29	23 0.55	− 5 15.8	2.190	3.192	2.7	20.2
9 8	22 52.87	− 5 55.0	2.183	3.189	1.1	20.1
9 18	22 45.40	− 6 33.5	2.205	3.186	4.7	20.3
9 28	22 38.86	− 7 7.0	2.255	3.183	8.1	20.5
10 8	22 33.86	− 7 32.2	2.330	3.180	11.1	20.7

375177 2008 DN_{23} 9 4.8 57°.60 0°.3/ 5.1 17

7 30	23 21.37	− 3 39.8	1.319	2.177	18.4	21.0
8 9	23 17.18	− 4 1.7	1.267	2.193	14.2	20.8
8 19	23 10.35	− 4 40.4	1.234	2.210	9.3	20.6
8 29	23 1.69	− 5 30.9	1.224	2.227	3.9	20.3
9 8	22 52.39	− 6 25.5	1.238	2.245	1.6	20.2
9 18	22 43.74	− 7 16.4	1.278	2.262	6.9	20.6
9 28	22 36.92	− 7 56.7	1.342	2.280	11.6	20.9
10 8	22 32.67	− 8 22.2	1.428	2.298	15.6	21.2

219890 2002 EO_{80} 9 4.8 272°.69 1°.0/ 2.9 18

7 30	23 11.39	−11 0.8	4.487	5.325	6.7	20.3
8 9	23 7.94	−11 21.0	4.396	5.316	5.1	20.2
8 19	23 3.66	−11 44.1	4.331	5.306	3.2	20.0
8 29	22 58.80	−12 8.0	4.294	5.297	1.4	19.9
9 8	22 53.70	−12 30.8	4.287	5.287	1.4	19.9
9 18	22 48.68	−12 50.4	4.309	5.277	3.2	20.0
9 28	22 44.11	−13 5.1	4.361	5.268	5.1	20.1
10 8	22 40.29	−13 13.7	4.439	5.258	6.8	20.2

224908 2007 CY_{65} 9 4.8 347°.16 1°.6/ 5.7 18

7 30	23 11.91	− 4 55.5	0.904	1.804	21.2	18.7
8 9	23 11.25	− 4 20.2	0.837	1.786	16.8	18.4
8 19	23 7.31	− 4 0.9	0.785	1.770	11.4	18.0
8 29	23 0.70	− 3 56.2	0.751	1.756	5.3	17.6
9 8	22 52.76	− 4 1.1	0.738	1.744	2.2	17.4
9 18	22 45.15	− 4 9.2	0.744	1.735	8.3	17.7
9 28	22 39.61	− 4 12.7	0.770	1.729	14.4	18.0
10 8	22 37.35	− 4 5.6	0.813	1.726	19.8	18.3

23758 Guyuzhou 9 4.8 354°.82 0°.0/ 4.7 18

7 30	23 13.56	− 2 14.0	1.155	2.031	19.3	17.4
8 9	23 11.78	− 3 1.1	1.090	2.026	15.0	17.2
8 19	23 7.21	− 4 12.3	1.042	2.023	9.9	16.9
8 29	23 0.53	− 5 41.6	1.016	2.021	4.1	16.5
9 8	22 52.90	− 7 18.6	1.013	2.019	1.9	16.4
9 18	22 45.67	− 8 51.3	1.033	2.019	7.8	16.8
9 28	22 40.18	−10 8.5	1.076	2.020	13.2	17.1
10 8	22 37.37	−11 3.1	1.139	2.021	17.8	17.3

100010 1988 RN_{12} 9 4.9 16°.65 5°.3/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 30.68	−20 36.4	1.165	2.044	18.9	17.4
8 9	23 24.59	−20 8.5	1.117	2.054	14.6	17.2
8 19	23 15.21	−19 35.4	1.088	2.066	10.0	17.0
8 29	23 3.66	−18 51.0	1.081	2.079	6.0	16.8
9 8	22 51.57	−17 51.2	1.099	2.094	6.1	16.9
9 18	22 40.60	−16 35.9	1.142	2.110	9.9	17.2
9 28	22 32.13	−15 7.6	1.207	2.128	14.2	17.5
10 8	22 26.92	−13 30.2	1.294	2.147	18.0	17.8

56187 1999 FR_{39} 9 4.9 229°.70 0°.9/ 3.9 18

7 30	23 22.16	− 7 8.9	2.116	2.953	13.2	20.5
8 9	23 17.18	− 7 40.4	2.023	2.940	10.1	20.3
8 19	23 10.19	− 8 21.9	1.952	2.927	6.6	20.1
8 29	23 1.67	− 9 9.6	1.908	2.912	2.7	19.8
9 8	22 52.39	− 9 58.2	1.893	2.897	1.9	19.7
9 18	22 43.26	−10 42.3	1.906	2.881	5.9	20.0
9 28	22 35.21	−11 16.9	1.946	2.865	9.7	20.2
10 8	22 28.99	−11 39.0	2.011	2.847	13.1	20.4

112841 2002 QQ_{19} 9 4.9 82°.60 4°.9/ 8.7 18

7 30	23 23.49	+ 5 59.9	1.496	2.305	19.0	19.9
8 9	23 18.61	+ 6 21.7	1.436	2.323	15.4	19.7
8 19	23 11.22	+ 6 21.2	1.394	2.340	11.4	19.5
8 29	23 2.07	+ 5 58.8	1.374	2.358	7.3	19.3
9 8	22 52.25	+ 5 18.2	1.379	2.375	4.9	19.2
9 18	22 42.96	+ 4 25.4	1.410	2.392	6.7	19.3
9 28	22 35.35	+ 3 28.7	1.466	2.408	10.4	19.6
10 8	22 30.19	+ 2 35.7	1.546	2.425	14.1	19.9

119526 2001 UF_{175} 9 4.9 119°.34 0°.7/ 4.2 18

7 30	23 19.29	− 4 55.3	1.716	2.565	15.3	19.7
8 9	23 15.19	− 5 45.8	1.649	2.572	11.7	19.5
8 19	23 8.93	− 6 50.6	1.603	2.580	7.5	19.2
8 29	23 1.12	− 8 4.2	1.582	2.587	3.0	19.0
9 8	22 52.68	− 9 19.3	1.588	2.594	1.9	18.9
9 18	22 44.61	−10 28.2	1.622	2.600	6.4	19.2
9 28	22 37.90	−11 24.6	1.681	2.607	10.5	19.5
10 8	22 33.27	−12 4.5	1.763	2.613	14.1	19.7

308898 2006 SU_{184} 9 4.9 275°.12 0°.4/ 5.3 18

7 30	23 17.42	− 3 8.7	2.021	2.858	13.7	21.4
8 9	23 13.56	− 3 33.8	1.937	2.852	10.7	21.2
8 19	23 7.80	− 4 11.9	1.875	2.847	7.1	21.0
8 29	23 0.66	− 4 59.8	1.839	2.841	3.1	20.7
9 8	22 52.88	− 5 52.5	1.829	2.836	1.2	20.5
9 18	22 45.30	− 6 44.4	1.848	2.830	5.3	20.8
9 28	22 38.81	− 7 30.1	1.893	2.825	9.1	21.1
10 8	22 34.08	− 8 5.3	1.962	2.819	12.5	21.3

449057 2012 DS_{94} 9 4.9 286°.18 0°.2/ 5.1 17

7 30	23 20.19	− 5 23.8	2.176	3.011	13.0	21.3
8 9	23 15.62	− 5 24.9	2.080	2.994	10.1	21.1
8 19	23 9.15	− 5 35.1	2.005	2.977	6.7	20.9
8 29	23 1.23	− 5 51.9	1.957	2.960	2.8	20.6
9 8	22 52.60	− 6 11.9	1.937	2.943	1.2	20.5
9 18	22 44.10	− 6 31.1	1.945	2.926	5.2	20.7
9 28	22 36.60	− 6 45.7	1.980	2.909	9.0	20.9
10 8	22 30.82	− 6 52.5	2.039	2.892	12.3	21.1

57030 2000 UW_{102} 9 4.9 84°.69 4°.8/31.2 18

7 30	23 22.25	−20 12.9	2.161	3.021	12.1	18.5
8 9	23 16.92	−20 58.1	2.111	3.037	9.3	18.4
8 19	23 9.75	−21 42.2	2.084	3.054	6.6	18.2
8 29	23 1.37	−22 19.4	2.084	3.070	4.9	18.1
9 8	22 52.60	−22 44.2	2.111	3.087	5.6	18.2
9 18	22 44.32	−22 53.6	2.165	3.103	8.0	18.4
9 28	22 37.32	−22 46.0	2.245	3.119	10.6	18.6
10 8	22 32.17	−22 22.3	2.347	3.135	13.0	18.8

287177 2002 RW_{266} 9 4.9 110°.38 1°.5/ 6.1 18

7 30	23 23.56	− 2 31.4	1.957	2.781	14.6	20.6
8 9	23 18.18	− 2 17.1	1.881	2.787	11.4	20.4
8 19	23 10.75	− 2 14.1	1.828	2.793	7.7	20.2
8 29	23 1.85	− 2 20.5	1.800	2.799	3.8	20.0
9 8	22 52.35	− 2 33.2	1.800	2.805	1.7	19.8
9 18	22 43.19	− 2 48.3	1.827	2.810	5.3	20.1
9 28	22 35.31	− 3 1.8	1.882	2.816	9.1	20.3
10 8	22 29.41	− 3 10.2	1.962	2.821	12.4	20.6

220803 2004 TR_{231} 9 4.9 42°.85 2°.4/ 7.3 18

7 30	23 16.36	+ 2 12.4	2.017	2.835	14.5	20.3
8 9	23 12.64	+ 2 3.0	1.946	2.844	11.5	20.1
8 19	23 7.12	+ 1 37.9	1.896	2.854	8.0	19.9
8 29	23 0.34	+ 0 59.2	1.870	2.864	4.5	19.7
9 8	22 53.05	+ 0 10.8	1.871	2.874	2.4	19.6
9 18	22 46.07	− 0 42.1	1.899	2.884	4.9	19.8
9 28	22 40.19	− 1 33.7	1.955	2.895	8.4	20.0
10 8	22 36.01	− 2 18.9	2.035	2.906	11.5	20.3

395022 2009 CK_{32} 9 4.9 293°.00 1°.5/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.37	− 6 45.1	1.774	2.631	14.5	21.1
8 9	23 13.20	− 7 41.9	1.680	2.609	11.1	20.8
8 19	23 7.84	− 8 53.6	1.608	2.588	7.2	20.5
8 29	23 0.78	−10 15.0	1.561	2.566	2.9	20.2
9 8	22 52.82	−11 38.2	1.541	2.544	2.7	20.2
9 18	22 44.95	−12 55.3	1.548	2.523	7.1	20.4
9 28	22 38.23	−13 58.6	1.580	2.501	11.4	20.6
10 8	22 33.50	−14 43.5	1.634	2.479	15.2	20.8

255408 2005 XP_{2} 9 4.9 359°.58 7°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.49	+15 52.1	2.034	2.775	16.8	20.4
8 9	23 13.73	+16 39.6	1.950	2.774	14.6	20.2
8 19	23 7.99	+17 5.6	1.883	2.773	12.1	20.0
8 29	23 0.77	+17 7.5	1.838	2.773	9.7	19.9
9 8	22 52.84	+16 45.3	1.816	2.773	8.1	19.8
9 18	22 45.09	+16 1.8	1.820	2.773	8.1	19.8
9 28	22 38.43	+15 2.6	1.849	2.774	9.7	19.9
10 8	22 33.59	+13 55.4	1.902	2.775	12.1	20.0

224904 2007 CL_{63} 9 4.9 119°.03 1°.2/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.71	− 9 36.8	2.607	3.446	11.0	21.0
8 9	23 14.71	−10 0.9	2.540	3.459	8.3	20.8
8 19	23 8.23	−10 30.5	2.497	3.473	5.3	20.6
8 29	23 0.75	−11 2.2	2.482	3.486	2.2	20.4
9 8	22 52.90	−11 32.0	2.496	3.498	1.9	20.4
9 18	22 45.36	−11 56.5	2.539	3.511	4.9	20.7
9 28	22 38.76	−12 13.0	2.610	3.523	7.8	20.9
10 8	22 33.62	−12 19.7	2.706	3.535	10.4	21.1

199196 2006 AZ_{2} 9 4.9 299°.61 11°.1/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.07	−28 44.6	1.598	2.480	14.5	19.0
8 9	23 14.32	−31 51.2	1.545	2.469	12.3	18.8
8 19	23 8.86	−34 54.6	1.517	2.457	11.1	18.7
8 29	23 1.28	−37 39.3	1.514	2.446	11.6	18.8
9 8	22 52.60	−39 51.6	1.535	2.435	13.5	18.8
9 18	22 44.12	−41 23.3	1.579	2.424	16.0	19.0
9 28	22 37.20	−42 12.0	1.641	2.413	18.5	19.1
10 8	22 32.86	−42 21.3	1.718	2.402	20.7	19.3

33277 1998 HO_{119} 9 4.9 142°.74 5°.2/30.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.44	−20 52.1	2.235	3.099	11.7	18.7
8 9	23 14.91	−21 55.8	2.174	3.102	9.0	18.6
8 19	23 8.56	−22 59.2	2.137	3.105	6.5	18.4
8 29	23 0.94	−23 55.7	2.126	3.108	5.2	18.3
9 8	22 52.82	−24 39.5	2.142	3.111	6.1	18.4
9 18	22 45.03	−25 6.3	2.185	3.113	8.4	18.5
9 28	22 38.38	−25 14.0	2.253	3.116	11.0	18.7
10 8	22 33.49	−25 2.9	2.342	3.118	13.4	18.9

202221 2004 XY_{146} 9 4.9 228°.78 5°.9/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.22	−20 44.6	2.051	2.916	12.4	20.4
8 9	23 15.82	−22 7.1	1.979	2.909	9.7	20.2
8 19	23 9.33	−23 31.1	1.932	2.900	7.1	20.1
8 29	23 1.32	−24 48.6	1.911	2.892	5.9	20.0
9 8	22 52.62	−25 51.8	1.917	2.883	7.0	20.0
9 18	22 44.18	−26 35.1	1.949	2.873	9.6	20.2
9 28	22 36.94	−26 55.5	2.006	2.864	12.4	20.3
10 8	22 31.65	−26 53.2	2.083	2.854	15.0	20.5

166430 2002 PS_{23} 9 4.9 332°.15 1°.5/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.32	− 1 38.4	1.452	2.307	17.2	19.6
8 9	23 12.76	− 1 44.3	1.367	2.291	13.6	19.4
8 19	23 7.72	− 2 8.0	1.302	2.276	9.2	19.1
8 29	23 0.77	− 2 47.0	1.260	2.261	4.4	18.8
9 8	22 52.85	− 3 36.1	1.241	2.247	1.8	18.6
9 18	22 45.11	− 4 28.1	1.248	2.235	6.5	18.8
9 28	22 38.78	− 5 15.4	1.278	2.223	11.4	19.1
10 8	22 34.78	− 5 51.3	1.330	2.212	15.7	19.3

86641 2000 EA_{136} 9 4.9 228°.36 1°.8/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.32	− 9 41.6	1.888	2.736	14.1	20.6
8 9	23 18.30	−10 14.1	1.802	2.726	10.8	20.3
8 19	23 11.02	−10 55.6	1.739	2.716	7.0	20.1
8 29	23 2.06	−11 41.0	1.701	2.705	3.0	19.8
9 8	22 52.29	−12 24.4	1.691	2.693	2.8	19.8
9 18	22 42.74	−13 0.0	1.709	2.681	6.8	20.0
9 28	22 34.46	−13 23.0	1.753	2.668	10.8	20.2
10 8	22 28.25	−13 31.2	1.820	2.654	14.4	20.4

246317 2007 TV_{168} 9 4.9 265°.70 4°.4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.37	+ 7 34.9	1.978	2.769	15.6	20.2
8 9	23 13.64	+ 7 38.1	1.888	2.763	12.9	20.0
8 19	23 7.95	+ 7 21.7	1.817	2.756	9.7	19.8
8 29	23 0.77	+ 6 45.7	1.770	2.749	6.4	19.6
9 8	22 52.88	+ 5 53.0	1.749	2.742	4.4	19.5
9 18	22 45.15	+ 4 48.5	1.755	2.735	5.8	19.6
9 28	22 38.50	+ 3 39.0	1.787	2.728	8.9	19.7
10 8	22 33.66	+ 2 31.7	1.844	2.721	12.3	19.9

170586 2003 XF_{25} 9 4.9 277°.89 1°.8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.15	+ 0 57.6	1.872	2.698	15.1	20.4
8 9	23 13.51	+ 0 35.1	1.789	2.695	11.9	20.1
8 19	23 7.86	− 0 4.6	1.727	2.691	8.2	19.9
8 29	23 0.73	− 0 58.9	1.689	2.687	4.2	19.7
9 8	22 52.91	− 2 2.8	1.678	2.683	1.9	19.5
9 18	22 45.31	− 3 10.0	1.694	2.679	5.3	19.7
9 28	22 38.86	− 4 13.7	1.737	2.675	9.3	20.0
10 8	22 34.30	− 5 7.9	1.803	2.671	12.9	20.2

313983 2004 TX_{90} 9 4.9 66°.06 5°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.27	+13 50.1	2.210	2.961	15.3	20.6
8 9	23 11.72	+13 45.8	2.135	2.974	13.0	20.5
8 19	23 6.49	+13 19.8	2.079	2.987	10.3	20.3
8 29	23 0.10	+12 32.1	2.045	3.001	7.6	20.2
9 8	22 53.22	+11 25.4	2.038	3.014	5.8	20.1
9 18	22 46.62	+10 4.8	2.057	3.027	6.0	20.1
9 28	22 41.03	+ 8 36.9	2.104	3.041	8.0	20.3
10 8	22 37.04	+ 7 9.2	2.176	3.054	10.6	20.5

457808 2009 RY_{21} 9 4.9 26°.17 3°.6/ 8.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 12.57	+12 31.6	1.031	1.861	24.4	20.5
8 9	23 11.34	+10 40.3	0.962	1.863	20.0	20.2
8 19	23 7.11	+ 7 55.1	0.908	1.865	14.5	19.9
8 29	23 0.57	+ 4 20.2	0.876	1.868	8.4	19.5
9 8	22 52.98	+ 0 12.2	0.867	1.872	3.7	19.3
9 18	22 45.83	− 4 3.2	0.885	1.875	7.6	19.5
9 28	22 40.60	− 7 58.4	0.928	1.879	13.7	19.9
10 8	22 38.31	−11 13.9	0.993	1.883	19.1	20.2

180235 2003 UF_{196} 9 4.9 324°.03 1°.1/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.28	− 2 58.3	1.178	2.048	19.4	20.1
8 9	23 14.83	− 3 0.3	1.099	2.032	15.3	19.8
8 19	23 9.40	− 3 21.6	1.038	2.016	10.3	19.5
8 29	23 1.57	− 3 59.4	0.998	2.001	4.7	19.1
9 8	22 52.50	− 4 47.3	0.981	1.987	1.8	18.9
9 18	22 43.64	− 5 36.8	0.987	1.974	7.7	19.2
9 28	22 36.53	− 6 19.0	1.015	1.962	13.3	19.5
10 8	22 32.30	− 6 46.8	1.062	1.951	18.3	19.7

328209 2008 EY_{81} 9 4.9 70°.10 1°.7/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.23	+ 1 11.3	1.434	2.270	18.4	20.7
8 9	23 16.81	+ 0 34.1	1.386	2.297	14.3	20.5
8 19	23 9.98	− 0 24.0	1.357	2.324	9.6	20.3
8 29	23 1.55	− 1 38.0	1.352	2.351	4.7	20.1
9 8	22 52.62	− 3 0.0	1.372	2.378	1.9	20.0
9 18	22 44.34	− 4 21.0	1.419	2.404	6.1	20.3
9 28	22 37.76	− 5 32.7	1.491	2.430	10.5	20.7
10 8	22 33.55	− 6 29.4	1.586	2.456	14.3	21.0

416071 2002 NV 9 4.9 83°.42 7°.5/14.9 15 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 29.10	+21 26.0	2.571	3.227	15.5	23.3
8 9	23 21.75	+22 0.5	2.518	3.276	13.5	23.3
8 19	23 12.71	+22 12.9	2.485	3.325	11.3	23.2
8 29	23 2.58	+22 1.9	2.475	3.372	9.2	23.1
9 8	22 52.16	+21 28.5	2.492	3.418	7.8	23.1
9 18	22 42.25	+20 36.1	2.536	3.462	7.5	23.2
9 28	22 33.60	+19 30.2	2.609	3.505	8.5	23.3
10 8	22 26.75	+18 17.7	2.707	3.547	10.0	23.5

114900 2003 QU_{24} 9 4.9 334°.39 1°.8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 25.02	−12 16.2	1.380	2.249	17.1	18.4
8 9	23 20.39	−11 54.2	1.300	2.234	13.3	18.1
8 19	23 12.79	−11 36.1	1.239	2.220	8.7	17.8
8 29	23 2.91	−11 18.0	1.202	2.206	3.7	17.5
9 8	22 51.93	−10 55.3	1.189	2.193	2.9	17.4
9 18	22 41.31	−10 24.4	1.202	2.182	7.9	17.7
9 28	22 32.47	− 9 43.2	1.239	2.171	12.9	17.9
10 8	22 26.43	− 8 51.4	1.297	2.161	17.2	18.1

329153 2012 BG_{19} 9 4.9 111°.40 2°.8/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.22	−11 20.4	2.292	3.150	11.6	20.1
8 9	23 11.66	−12 40.4	2.223	3.153	8.7	19.9
8 19	23 6.46	−14 8.0	2.177	3.156	5.6	19.7
8 29	23 0.10	−15 37.1	2.159	3.160	3.0	19.6
9 8	22 53.25	−17 1.0	2.170	3.163	3.7	19.6
9 18	22 46.63	−18 13.7	2.209	3.166	6.6	19.8
9 28	22 40.97	−19 10.7	2.275	3.169	9.6	20.0
10 8	22 36.84	−19 49.6	2.364	3.173	12.3	20.2

34672 2000 YU_{53} 9 4.9 188°.17 3°.1/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.47	−13 31.2	2.325	3.184	11.4	18.6
8 9	23 12.60	−14 37.3	2.253	3.183	8.6	18.5
8 19	23 7.07	−15 49.0	2.205	3.183	5.6	18.3
8 29	23 0.36	−17 0.5	2.184	3.183	3.3	18.1
9 8	22 53.14	−18 5.8	2.192	3.182	4.0	18.2
9 18	22 46.14	−18 59.6	2.227	3.181	6.8	18.4
9 28	22 40.12	−19 38.2	2.289	3.180	9.7	18.5
10 8	22 35.66	−19 59.8	2.374	3.179	12.3	18.7

142225 2002 RP_{76} 9 4.9 339.°25 1.°8/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 20.56	− 9 17.5	1.235	2.113	18.2	19.6
8 9	23 17.12	− 9 30.9	1.166	2.105	14.0	19.3
8 19	23 10.71	− 9 56.0	1.115	2.098	9.1	19.1
8 29	23 2.05	−10 27.0	1.087	2.092	3.8	18.7
9 8	22 52.35	−10 56.6	1.082	2.086	3.0	18.7
9 18	22 43.07	−11 17.4	1.101	2.081	8.4	19.0
9 28	22 35.65	−11 23.9	1.142	2.077	13.5	19.3
10 8	22 31.06	−11 13.6	1.204	2.073	17.9	19.5

258717 2002 GJ_{81} 9 4.9 114.°64 3.°3/ 1.1 18

7 30	23 18.40	−15 17.5	2.357	3.214	11.3	20.5
8 9	23 13.97	−16 7.3	2.293	3.222	8.6	20.3
8 19	23 7.89	−17 0.3	2.253	3.229	5.7	20.2
8 29	23 0.67	−17 51.1	2.239	3.236	3.5	20.0
9 8	22 53.02	−18 34.7	2.254	3.243	4.1	20.1
9 18	22 45.67	−19 6.7	2.297	3.250	6.7	20.3
9 28	22 39.35	−19 24.4	2.366	3.257	9.5	20.5
10 8	22 34.62	−19 27.0	2.459	3.263	12.0	20.6

220238 2002 XS_{13} 9 4.9 254.°84 0.°6/ 4.3 18

7 30	23 19.90	− 5 5.4	1.733	2.580	15.2	21.4
8 9	23 15.91	− 5 44.6	1.644	2.567	11.8	21.1
8 19	23 9.61	− 6 38.5	1.577	2.553	7.7	20.9
8 29	23 1.54	− 7 42.8	1.535	2.539	3.1	20.6
9 8	22 52.58	− 8 50.7	1.519	2.524	1.9	20.4
9 18	22 43.77	− 9 54.7	1.530	2.509	6.6	20.7
9 28	22 36.23	−10 47.9	1.567	2.494	11.0	20.9
10 8	22 30.82	−11 25.6	1.627	2.479	14.9	21.2

315833 2008 GG_{127} 9 4.9 33.°96 0.°9/ 3.8 18

7 30	23 14.54	− 5 3.5	2.057	2.905	13.1	20.3
8 9	23 11.29	− 6 5.7	1.985	2.909	10.0	20.2
8 19	23 6.29	− 7 20.6	1.935	2.912	6.4	19.9
8 29	23 0.06	− 8 43.1	1.912	2.917	2.5	19.7
9 8	22 53.29	−10 6.5	1.916	2.921	1.9	19.7
9 18	22 46.79	−11 24.2	1.949	2.925	5.7	19.9
9 28	22 41.32	−12 30.2	2.008	2.930	9.3	20.2
10 8	22 37.51	−13 20.7	2.091	2.935	12.4	20.4

394960 2008 YC_{110} 9 4.9 246.°37 1.°0/ 3.8 18

7 30	23 19.09	− 6 54.4	2.120	2.963	13.0	22.7
8 9	23 14.86	− 7 35.1	2.028	2.949	9.9	22.4
8 19	23 8.71	− 8 26.6	1.959	2.935	6.4	22.2
8 29	23 1.11	− 9 24.9	1.916	2.920	2.6	21.9
9 8	22 52.80	−10 24.2	1.901	2.905	2.0	21.8
9 18	22 44.62	−11 18.8	1.915	2.890	5.9	22.1
9 28	22 37.47	−12 3.4	1.955	2.874	9.7	22.3
10 8	22 32.06	−12 34.4	2.019	2.858	13.0	22.5

510956 2013 GV_{1} 9 4.9 175.°23 2.°9/ 1.9 18

7 30	23 23.46	−16 2.1	2.493	3.339	11.2	21.4
8 9	23 17.72	−16 22.5	2.419	3.341	8.5	21.2
8 19	23 10.28	−16 44.4	2.368	3.342	5.6	21.0
8 29	23 1.66	−17 3.6	2.346	3.343	3.2	20.9
9 8	22 52.58	−17 16.1	2.352	3.344	3.6	20.9
9 18	22 43.81	−17 18.7	2.387	3.344	6.2	21.1
9 28	22 36.11	−17 9.8	2.450	3.344	9.1	21.3
10 8	22 30.06	−16 49.0	2.537	3.344	11.6	21.5

255300 2005 VL_{120} 9 4.9 277.°49 3.°7/31.9 18

7 30	23 21.23	−17 11.8	2.374	3.228	11.4	20.9
8 9	23 16.38	−17 48.9	2.278	3.204	8.8	20.7
8 19	23 9.64	−18 28.5	2.205	3.179	6.0	20.5
8 29	23 1.49	−19 5.4	2.160	3.154	3.9	20.3
9 8	22 52.63	−19 34.5	2.142	3.128	4.6	20.3
9 18	22 43.88	−19 51.4	2.153	3.103	7.3	20.5
9 28	22 36.11	−19 53.2	2.190	3.076	10.3	20.6
10 8	22 30.01	−19 39.3	2.250	3.050	13.1	20.7

296782 2009 UW_{148} 9 4.9 295.°11 1.°8/ 1.5 17

7 30	23 11.11	−14 40.4	4.292	5.140	6.8	20.6
8 9	23 7.82	−15 10.9	4.208	5.133	5.1	20.5
8 19	23 3.65	−15 43.2	4.149	5.125	3.3	20.4
8 29	22 58.88	−16 14.8	4.119	5.118	1.9	20.3
9 8	22 53.86	−16 43.5	4.119	5.110	2.2	20.3
9 18	22 48.93	−17 6.9	4.147	5.103	3.9	20.4
9 28	22 44.48	−17 23.5	4.204	5.095	5.7	20.5
10 8	22 40.81	−17 32.0	4.286	5.088	7.3	20.6

25973 Puranik 9 4.9 47.°79 3.°5/ 7.4 18

7 30	23 21.24	+ 2 19.9	1.217	2.062	20.5	18.1
8 9	23 17.28	+ 2 29.1	1.168	2.080	16.3	17.9
8 19	23 10.54	+ 2 15.0	1.135	2.100	11.4	17.7
8 29	23 1.87	+ 1 40.0	1.124	2.119	6.4	17.5
9 8	22 52.53	+ 0 50.2	1.137	2.140	3.5	17.4
9 18	22 43.88	− 0 6.5	1.174	2.160	6.8	17.6
9 28	22 37.16	− 1 0.9	1.234	2.181	11.4	18.0
10 8	22 33.15	− 1 45.8	1.316	2.203	15.5	18.3

125946 2001 XJ_{245} 9 4.9 303.°91 0.°8/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.47	− 4 32.2	1.513	2.373	16.4	19.6
8 9	23 13.55	− 5 22.3	1.431	2.360	12.6	19.3
8 19	23 8.20	− 6 30.4	1.369	2.348	8.2	19.0
8 29	23 0.99	− 7 51.2	1.331	2.336	3.3	18.7
9 8	22 52.86	− 9 16.4	1.319	2.324	2.1	18.6
9 18	22 44.93	−10 36.7	1.332	2.313	7.2	18.9
9 28	22 38.39	−11 43.5	1.370	2.302	12.0	19.1
10 8	22 34.13	−12 31.1	1.430	2.291	16.1	19.3

266948 2010 TS_{173} 9 4.9 313.°70 0.°1/ 4.9 18

7 30	23 23.82	− 6 48.9	1.280	2.144	18.5	19.9
8 9	23 19.70	− 6 32.1	1.200	2.130	14.5	19.7
8 19	23 12.50	− 6 26.6	1.138	2.117	9.6	19.3
8 29	23 2.86	− 6 29.5	1.099	2.103	4.1	19.0
9 8	22 52.00	− 6 35.9	1.084	2.091	1.8	18.8
9 18	22 41.41	− 6 40.2	1.094	2.078	7.6	19.1
9 28	22 32.62	− 6 37.4	1.127	2.067	13.1	19.4
10 8	22 26.76	− 6 23.9	1.180	2.056	17.8	19.7

68112 2000 YC_{143} 9 4.9 276.°49 1.°1/ 2.7 16

7 30	23 11.00	−11 27.3	4.398	5.239	6.8	20.0
8 9	23 7.70	−11 53.0	4.312	5.233	5.1	19.9
8 19	23 3.57	−12 21.6	4.251	5.227	3.3	19.8
8 29	22 58.86	−12 50.9	4.218	5.220	1.5	19.6
9 8	22 53.90	−13 18.7	4.215	5.214	1.6	19.6
9 18	22 49.04	−13 43.0	4.242	5.208	3.4	19.8
9 28	22 44.63	−14 1.8	4.297	5.202	5.2	19.9
10 8	22 40.98	−14 13.9	4.379	5.195	6.9	20.0

149820 2005 NY 9 4.9 30.°16 13.°8/16.8 18

7 30	23 19.20	+20 4.1	1.086	1.861	26.6	18.8
8 9	23 16.30	+21 53.7	1.042	1.879	23.6	18.7
8 19	23 10.24	+23 4.5	1.011	1.899	20.2	18.5
8 29	23 1.86	+23 29.5	0.996	1.919	17.0	18.4
9 8	22 52.56	+23 7.1	0.998	1.941	14.6	18.4
9 18	22 43.92	+22 2.8	1.020	1.965	13.8	18.4
9 28	22 37.43	+20 28.7	1.061	1.989	15.0	18.6
10 8	22 34.03	+18 40.5	1.122	2.014	17.2	18.8

371872 2008 CW_{24} 9 4.9 79.°27 1.°2/ 4.1 17

7 30	23 25.62	− 8 43.4	1.454	2.312	17.0	20.5
8 9	23 20.35	− 8 52.5	1.394	2.322	13.0	20.3
8 19	23 12.44	− 9 11.4	1.354	2.332	8.4	20.1
8 29	23 2.67	− 9 35.2	1.338	2.342	3.4	19.8
9 8	22 52.21	− 9 57.7	1.348	2.352	2.4	19.8
9 18	22 42.34	−10 13.6	1.384	2.362	7.2	20.1
9 28	22 34.27	−10 18.5	1.444	2.372	11.7	20.4
10 8	22 28.78	−10 10.5	1.527	2.382	15.6	20.7

484898 2009 RL_{7} 9 4.9 318.°80 1.°6/ 6.0 17

7 30	23 21.78	− 3 23.9	1.921	2.754	14.5	20.1
8 9	23 17.20	− 2 54.6	1.822	2.733	11.5	19.9
8 19	23 10.40	− 2 34.7	1.745	2.712	7.9	19.6
8 29	23 1.90	− 2 23.0	1.692	2.692	3.9	19.4
9 8	22 52.51	− 2 17.3	1.667	2.672	1.9	19.2
9 18	22 43.20	− 2 14.8	1.668	2.652	5.6	19.4
9 28	22 35.02	− 2 11.9	1.697	2.633	9.7	19.6
10 8	22 28.82	− 2 5.1	1.749	2.615	13.4	19.8

313270 2001 YL_{12} 9 4.9 263.°17 2.°6/ 3.1 17

7 30	23 24.67	−10 58.1	1.396	2.263	17.1	20.9
8 9	23 20.08	−11 24.8	1.320	2.253	13.2	20.6
8 19	23 12.59	−12 1.4	1.264	2.244	8.6	20.4
8 29	23 2.86	−12 41.4	1.231	2.235	3.9	20.1
9 8	22 52.08	−13 17.1	1.223	2.225	3.8	20.0
9 18	22 41.65	−13 41.3	1.241	2.215	8.6	20.3
9 28	22 32.97	−13 49.0	1.283	2.205	13.4	20.5
10 8	22 27.04	−13 38.5	1.345	2.195	17.6	20.8

464046 2014 WK_{200} 9 4.9 163.°17 1.°1/ 3.3 18

7 30	23 15.86	−10 40.0	3.614	4.450	8.3	21.3
8 9	23 11.49	−10 57.6	3.535	4.453	6.2	21.2
8 19	23 6.07	−11 18.5	3.481	4.455	4.0	21.0
8 29	22 59.91	−11 40.6	3.455	4.458	1.7	20.9
9 8	22 53.47	−12 1.1	3.459	4.460	1.6	20.8
9 18	22 47.18	−12 17.8	3.493	4.462	3.8	21.0
9 28	22 41.52	−12 28.7	3.555	4.464	6.1	21.2
10 8	22 36.85	−12 32.4	3.644	4.466	8.1	21.3

116103 2003 WT_{132} 9 4.9 344.°16 1.°3/ 3.8 18

7 30	23 18.08	− 7 41.6	1.593	2.456	15.5	19.9
8 9	23 14.57	− 8 12.5	1.520	2.452	11.9	19.7
8 19	23 8.73	− 8 55.3	1.468	2.448	7.7	19.4
8 29	23 1.18	− 9 44.8	1.439	2.444	3.1	19.1
9 8	22 52.87	−10 34.4	1.437	2.441	2.4	19.1
9 18	22 44.88	−11 17.1	1.460	2.438	7.0	19.4
9 28	22 38.30	−11 47.4	1.508	2.436	11.3	19.6
10 8	22 33.92	−12 1.9	1.578	2.435	15.1	19.9

36968 2000 SD_{293} 9 4.9 33°.64 7°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.62	+16 33.4	2.002	2.741	17.1	18.3
8 9	23 13.07	+17 5.6	1.923	2.746	14.8	18.1
8 19	23 7.58	+17 14.1	1.862	2.752	12.2	18.0
8 29	23 0.66	+16 57.3	1.821	2.757	9.7	17.8
9 8	22 53.11	+16 15.9	1.804	2.763	7.9	17.7
9 18	22 45.79	+15 13.7	1.813	2.770	7.9	17.8
9 28	22 39.59	+13 57.3	1.847	2.776	9.5	17.9
10 8	22 35.21	+12 34.9	1.905	2.783	11.9	18.0

241749 2001 AA_{41} 9 4.9 305°.22 0°.0/ 4.9 18

7 30	23 15.96	− 2 56.1	1.565	2.419	16.2	19.8
8 9	23 13.23	− 3 33.2	1.470	2.395	12.7	19.5
8 19	23 8.08	− 4 29.3	1.395	2.371	8.5	19.2
8 29	23 1.02	− 5 40.5	1.343	2.347	3.6	18.8
9 8	22 52.91	− 7 0.0	1.317	2.324	1.6	18.6
9 18	22 44.85	− 8 19.2	1.317	2.300	6.8	18.9
9 28	22 38.05	− 9 28.9	1.341	2.277	11.7	19.1
10 8	22 33.48	−10 22.6	1.387	2.255	16.1	19.3

151688 2003 AQ_{46} 9 4.9 231°.30 0°.5/ 5.5 18

7 30	23 19.51	− 3 27.4	2.286	3.113	12.7	20.8
8 9	23 14.99	− 3 41.0	2.196	3.105	9.9	20.6
8 19	23 8.70	− 4 5.3	2.129	3.097	6.6	20.4
8 29	23 1.12	− 4 37.8	2.087	3.089	2.9	20.1
9 8	22 52.92	− 5 14.5	2.074	3.081	1.1	20.0
9 18	22 44.89	− 5 51.3	2.090	3.072	4.8	20.2
9 28	22 37.83	− 6 23.7	2.133	3.063	8.4	20.5
10 8	22 32.38	− 6 48.1	2.201	3.053	11.6	20.6

95950 2003 OZ_{18} 9 4.9 134°.06 6°.1/11.5 18

7 30	23 19.72	+13 19.0	2.058	2.809	16.3	19.9
8 9	23 15.32	+13 32.6	1.979	2.818	13.8	19.7
8 19	23 8.97	+13 24.1	1.918	2.827	11.0	19.6
8 29	23 1.23	+12 52.7	1.881	2.836	8.2	19.4
9 8	22 52.89	+12 0.6	1.869	2.844	6.3	19.3
9 18	22 44.81	+10 52.1	1.883	2.851	6.7	19.4
9 28	22 37.88	+ 9 34.2	1.925	2.859	8.9	19.5
10 8	22 32.77	+ 8 14.6	1.992	2.866	11.6	19.7

347053 2010 ET_{137} 9 4.9 220°.93 3°.4/ 1.8 18

7 30	23 24.36	−15 34.9	2.117	2.969	12.7	21.7
8 9	23 18.84	−16 7.0	2.036	2.962	9.7	21.5
8 19	23 11.27	−16 42.1	1.979	2.954	6.4	21.3
8 29	23 2.20	−17 15.0	1.948	2.945	3.8	21.1
9 8	22 52.46	−17 40.2	1.945	2.937	4.2	21.2
9 18	22 43.00	−17 53.3	1.970	2.927	7.3	21.3
9 28	22 34.75	−17 51.8	2.022	2.918	10.6	21.5
10 8	22 28.44	−17 35.1	2.097	2.908	13.6	21.7

65045 2002 AS_{140} 9 4.9 60°.97 1°.7/ 6.3 16

7 30	23 19.68	− 0 20.2	1.582	2.420	16.9	20.0
8 9	23 15.69	− 0 33.1	1.516	2.428	13.2	19.8
8 19	23 9.39	− 1 3.4	1.469	2.437	9.0	19.6
8 29	23 1.44	− 1 48.3	1.446	2.445	4.4	19.3
9 8	22 52.81	− 2 41.9	1.449	2.454	1.9	19.2
9 18	22 44.60	− 3 37.6	1.478	2.463	5.9	19.5
9 28	22 37.86	− 4 28.2	1.532	2.472	10.2	19.7
10 8	22 33.32	− 5 8.3	1.609	2.481	14.0	20.0

85679 1998 RA_{15} 9 4.9 349°.02 0°.2/ 5.1 18

7 30	23 16.47	− 4 28.9	1.859	2.706	14.3	19.3
8 9	23 13.02	− 4 45.1	1.780	2.702	11.1	19.1
8 19	23 7.58	− 5 13.4	1.723	2.698	7.3	18.9
8 29	23 0.69	− 5 50.6	1.691	2.694	3.1	18.6
9 8	22 53.15	− 6 31.8	1.685	2.691	1.3	18.5
9 18	22 45.86	− 7 11.4	1.706	2.689	5.6	18.8
9 28	22 39.74	− 7 44.3	1.752	2.687	9.6	19.0
10 8	22 35.48	− 8 6.6	1.822	2.685	13.1	19.2

322022 2010 VD_{12} 9 4.9 250°.05 1°.3/ 6.4 18

7 30	23 16.94	− 0 10.1	2.654	3.464	11.6	22.0
8 9	23 12.86	− 0 29.0	2.551	3.449	9.1	21.8
8 19	23 7.25	− 0 59.7	2.472	3.433	6.3	21.6
8 29	23 0.52	− 1 40.2	2.419	3.416	3.2	21.4
9 8	22 53.22	− 2 27.3	2.394	3.400	1.4	21.2
9 18	22 46.00	− 3 16.9	2.399	3.382	4.2	21.4
9 28	22 39.54	− 4 4.7	2.433	3.365	7.4	21.6
10 8	22 34.43	− 4 46.6	2.492	3.347	10.3	21.8

518604 2007 YU_{29} 9 4.9 262°.52 5°.4/29.3 18

7 30	23 20.73	−20 56.8	2.350	3.209	11.3	22.4
8 9	23 16.15	−22 13.3	2.258	3.183	8.9	22.2
8 19	23 9.60	−23 31.9	2.191	3.157	6.6	22.0
8 29	23 1.56	−24 45.8	2.151	3.130	5.4	21.9
9 8	22 52.73	−25 47.9	2.139	3.103	6.5	21.9
9 18	22 43.97	−26 32.6	2.154	3.075	8.9	22.0
9 28	22 36.19	−26 56.5	2.194	3.046	11.7	22.1
10 8	22 30.14	−26 59.2	2.255	3.017	14.2	22.3

472397 2015 BY_{158} 9 4.9 136°.62 3°.5/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 21.55	+ 3 59.3	1.650	2.464	17.3	21.6
8 9	23 17.12	+ 4 0.9	1.575	2.469	13.9	21.3
8 19	23 10.35	+ 3 42.4	1.521	2.474	10.0	21.1
8 29	23 1.87	+ 3 5.2	1.489	2.479	5.9	20.9
9 8	22 52.64	+ 2 13.5	1.484	2.484	3.5	20.8
9 18	22 43.75	+ 1 13.4	1.505	2.489	6.0	20.9
9 28	22 36.29	+ 0 12.6	1.551	2.493	10.0	21.2
10 8	22 31.05	− 0 41.8	1.622	2.497	13.8	21.4

271047 2003 FU_{8} 9 4.9 286°.13 12°.1/16.8 16

7 30	23 13.90	+23 58.4	1.189	1.938	26.1	19.8
8 9	23 12.50	+24 11.3	1.103	1.926	23.4	19.5
8 19	23 8.08	+23 37.4	1.028	1.913	20.2	19.3
8 29	23 1.16	+22 7.7	0.968	1.900	16.5	19.0
9 8	22 52.89	+19 39.8	0.928	1.887	13.3	18.8
9 18	22 44.73	+16 20.7	0.908	1.874	12.2	18.7
9 28	22 38.34	+12 28.8	0.913	1.862	14.1	18.8
10 8	22 34.93	+ 8 29.7	0.939	1.850	17.9	18.9

258619 2002 CF_{315} 9 4.9 68°.08 4°.8/ 9.5 18

7 30	23 20.45	+ 7 43.1	2.144	2.922	14.9	20.6
8 9	23 15.77	+ 8 16.3	2.066	2.930	12.4	20.4
8 19	23 9.22	+ 8 33.1	2.008	2.938	9.4	20.3
8 29	23 1.34	+ 8 32.9	1.975	2.946	6.6	20.1
9 8	22 52.89	+ 8 17.2	1.968	2.954	4.9	20.0
9 18	22 44.69	+ 7 49.3	1.988	2.962	5.8	20.1
9 28	22 37.58	+ 7 14.1	2.035	2.970	8.4	20.3
10 8	22 32.22	+ 6 36.9	2.108	2.978	11.2	20.5

179105 2001 SC_{211} 9 4.9 330°.44 0°.5/ 4.4 18

7 30	23 17.89	− 5 52.4	1.866	2.715	14.2	20.8
8 9	23 14.10	− 6 19.5	1.788	2.711	10.9	20.6
8 19	23 8.29	− 6 58.2	1.731	2.707	7.1	20.4
8 29	23 0.99	− 7 44.5	1.700	2.704	2.9	20.1
9 8	22 53.04	− 8 32.9	1.695	2.701	1.6	20.0
9 18	22 45.34	− 9 17.5	1.718	2.698	5.9	20.3
9 28	22 38.84	− 9 53.1	1.767	2.695	9.9	20.5
10 8	22 34.23	−10 16.1	1.838	2.693	13.4	20.7

269212 2008 LK_{6} 9 4.9 251°.82 0°.4/ 5.3 17

7 30	23 18.92	− 2 15.7	1.599	2.444	16.4	21.1
8 9	23 15.25	− 2 50.9	1.521	2.440	12.7	20.9
8 19	23 9.23	− 3 43.8	1.463	2.436	8.5	20.6
8 29	23 1.44	− 4 50.4	1.429	2.432	3.7	20.4
9 8	22 52.83	− 6 3.5	1.421	2.428	1.4	20.2
9 18	22 44.50	− 7 15.4	1.440	2.424	6.3	20.5
9 28	22 37.55	− 8 18.0	1.484	2.419	10.9	20.8
10 8	22 32.81	− 9 5.8	1.551	2.415	14.9	21.0

400960 2010 VB_{201} 9 4.9 306°.22 1°.1/ 5.8 18

7 30	23 19.36	− 3 8.5	2.088	2.919	13.6	20.7
8 9	23 15.08	− 3 3.9	1.997	2.908	10.6	20.5
8 19	23 8.88	− 3 9.9	1.928	2.897	7.2	20.3
8 29	23 1.25	− 3 24.8	1.885	2.885	3.4	20.0
9 8	22 52.93	− 3 45.1	1.868	2.874	1.4	19.8
9 18	22 44.77	− 4 7.0	1.880	2.864	5.1	20.1
9 28	22 37.66	− 4 26.2	1.918	2.853	8.9	20.3
10 8	22 32.30	− 4 39.0	1.981	2.843	12.2	20.5

288991 2004 TW_{60} 9 4.9 297°.84 4°.9/31.2 18

7 30	23 21.89	−20 47.9	2.212	3.071	11.9	20.1
8 9	23 16.85	−21 25.3	2.142	3.068	9.2	19.9
8 19	23 9.90	−22 1.8	2.096	3.065	6.6	19.7
8 29	23 1.61	−22 31.6	2.076	3.062	4.9	19.6
9 8	22 52.79	−22 49.6	2.083	3.060	5.7	19.7
9 18	22 44.32	−22 52.1	2.118	3.057	8.1	19.8
9 28	22 37.03	−22 37.6	2.178	3.054	10.8	20.0
10 8	22 31.58	−22 6.8	2.261	3.051	13.4	20.2

266779 2009 SO_{217} 9 4.9 270°.83 0°.4/ 4.2 18

7 30	23 11.35	− 7 43.6	4.509	5.338	6.9	20.7
8 9	23 7.97	− 8 0.7	4.414	5.328	5.2	20.6
8 19	23 3.77	− 8 21.7	4.345	5.318	3.3	20.4
8 29	22 59.00	− 8 45.0	4.304	5.307	1.3	20.3
9 8	22 53.97	− 9 8.6	4.292	5.297	0.9	20.2
9 18	22 49.02	− 9 30.5	4.311	5.287	2.9	20.4
9 28	22 44.50	− 9 48.9	4.359	5.277	4.8	20.5
10 8	22 40.71	−10 2.3	4.434	5.266	6.6	20.6

171776 2001 BU_{21} 9 4.9 235°.34 11°.5/21.9 18

7 30	23 24.43	−33 14.9	1.739	2.600	14.5	19.8
8 9	23 19.94	−35 42.1	1.684	2.588	12.6	19.6
8 19	23 12.55	−38 1.3	1.653	2.575	11.6	19.6
8 29	23 2.92	−39 59.2	1.646	2.562	11.9	19.5
9 8	22 52.18	−41 24.9	1.662	2.548	13.4	19.6
9 18	22 41.73	−42 12.1	1.701	2.534	15.6	19.7
9 28	22 32.98	−42 20.2	1.758	2.519	17.8	19.9
10 8	22 26.95	−41 53.6	1.831	2.503	19.9	20.0

25707 2000 AQ_{141} 9 4.9 344.°43 1.°3/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.31	− 3 28.9	1.341	2.216	17.2	17.4
8 9	23 9.05	− 4 50.5	1.266	2.204	13.2	17.1
8 19	23 5.40	− 6 35.6	1.211	2.194	8.5	16.8
8 29	22 59.92	− 8 37.0	1.179	2.185	3.4	16.5
9 8	22 53.55	−10 43.1	1.172	2.176	2.8	16.4
9 18	22 47.43	−12 41.1	1.190	2.170	8.0	16.7
9 28	22 42.73	−14 19.6	1.231	2.164	12.9	17.0
10 8	22 40.35	−15 31.7	1.293	2.159	17.1	17.2

18664 Rafaelta 9 4.9 67.°37 0.°6/ 5.5 18

7 30	23 18.11	− 2 49.5	2.000	2.835	13.9	19.5
8 9	23 14.00	− 3 12.6	1.933	2.847	10.8	19.3
8 19	23 8.07	− 3 48.3	1.888	2.859	7.1	19.1
8 29	23 0.86	− 4 33.1	1.869	2.871	3.1	18.9
9 8	22 53.17	− 5 22.1	1.877	2.883	1.2	18.7
9 18	22 45.81	− 6 10.1	1.912	2.895	5.1	19.0
9 28	22 39.61	− 6 51.8	1.975	2.907	8.8	19.3
10 8	22 35.17	− 7 23.6	2.061	2.920	12.0	19.5

252904 2002 JN_{131} 9 4.9 140.°56 2.°8/ 8.5 18

7 30	23 16.39	+ 5 32.3	2.592	3.378	12.5	20.6
8 9	23 12.36	+ 5 17.2	2.509	3.385	10.1	20.4
8 19	23 6.87	+ 4 47.4	2.449	3.391	7.3	20.2
8 29	23 0.35	+ 4 4.3	2.413	3.398	4.5	20.1
9 8	22 53.39	+ 3 11.0	2.406	3.404	2.8	20.0
9 18	22 46.63	+ 2 11.5	2.428	3.410	4.3	20.1
9 28	22 40.72	+ 1 10.9	2.478	3.415	7.0	20.3
10 8	22 36.17	+ 0 13.9	2.554	3.420	9.7	20.4

107428 2001 DP_{13} 9 4.9 184.°94 4.°7/31.8 18

7 30	23 20.96	−14 13.5	1.545	2.418	15.4	19.9
8 9	23 16.90	−15 31.4	1.481	2.418	11.7	19.7
8 19	23 10.32	−16 57.1	1.438	2.418	7.8	19.5
8 29	23 1.90	−18 21.8	1.420	2.418	4.9	19.3
9 8	22 52.69	−19 35.6	1.428	2.417	5.9	19.4
9 18	22 43.88	−20 30.5	1.462	2.417	9.5	19.6
9 28	22 36.64	−21 1.8	1.519	2.416	13.4	19.8
10 8	22 31.80	−21 8.8	1.597	2.415	16.8	20.0

472896 2015 FA_{329} 9 4.9 290.°22 2.°5/ 2.5 17

7 30	23 17.33	− 7 41.7	1.587	2.451	15.5	20.8
8 9	23 14.03	− 9 3.3	1.517	2.451	11.8	20.6
8 19	23 8.43	−10 39.9	1.469	2.450	7.5	20.3
8 29	23 1.12	−12 23.7	1.446	2.450	3.3	20.1
9 8	22 53.05	−14 4.8	1.449	2.449	3.7	20.1
9 18	22 45.29	−15 33.7	1.479	2.449	7.9	20.4
9 28	22 38.93	−16 42.8	1.534	2.448	12.1	20.6
10 8	22 34.75	−17 28.6	1.610	2.448	15.8	20.8

132711 2002 OS_{14} 9 4.9 36.°21 5.°0/ 9.5 18

7 30	23 16.56	+ 7 54.0	1.481	2.295	19.0	18.7
8 9	23 13.43	+ 7 57.5	1.421	2.309	15.5	18.5
8 19	23 7.99	+ 7 35.8	1.378	2.324	11.6	18.3
8 29	23 0.91	+ 6 49.7	1.357	2.339	7.6	18.2
9 8	22 53.18	+ 5 44.0	1.360	2.355	5.1	18.1
9 18	22 45.91	+ 4 26.2	1.389	2.372	6.5	18.2
9 28	22 40.13	+ 3 5.7	1.442	2.389	10.1	18.4
10 8	22 36.58	+ 1 51.1	1.518	2.407	13.7	18.7

352192 2007 RD_{233} 9 4.9 324.°91 6.°5/31.6 18

7 30	23 21.59	−19 56.7	1.372	2.256	16.3	19.7
8 9	23 18.06	−20 32.7	1.288	2.228	12.9	19.4
8 19	23 11.51	−21 9.9	1.225	2.202	9.2	19.2
8 29	23 2.57	−21 39.5	1.184	2.176	6.7	19.0
9 8	22 52.39	−21 52.3	1.166	2.151	7.7	18.9
9 18	22 42.43	−21 41.8	1.172	2.127	11.4	19.1
9 28	22 34.20	−21 5.3	1.200	2.104	15.6	19.3
10 8	22 28.81	−20 4.2	1.247	2.083	19.6	19.5

260753 2005 MT_{22} 9 4.9 239.°94 1.°8/ 3.3 18

7 30	23 20.09	− 7 41.7	1.694	2.549	15.1	20.8
8 9	23 16.10	− 8 34.4	1.613	2.541	11.6	20.6
8 19	23 9.78	− 9 40.2	1.554	2.533	7.4	20.3
8 29	23 1.71	−10 53.3	1.520	2.524	3.1	20.0
9 8	22 52.80	−12 6.0	1.512	2.515	2.9	20.0
9 18	22 44.13	−13 10.4	1.532	2.506	7.3	20.3
9 28	22 36.78	−13 59.9	1.577	2.496	11.5	20.5
10 8	22 31.60	−14 31.0	1.644	2.486	15.3	20.7

477531 2010 EZ_{87} 9 4.9 88.°02 0.°4/ 4.5 17

7 30	23 18.44	− 2 8.9	1.986	2.818	14.1	20.9
8 9	23 14.19	− 3 30.3	1.930	2.844	10.7	20.8
8 19	23 8.15	− 5 6.4	1.897	2.869	6.9	20.6
8 29	23 0.89	− 6 51.2	1.890	2.894	2.8	20.4
9 8	22 53.22	− 8 36.9	1.913	2.918	1.5	20.3
9 18	22 45.95	−10 15.7	1.965	2.942	5.5	20.7
9 28	22 39.88	−11 40.9	2.044	2.966	9.1	20.9
10 8	22 35.57	−12 48.6	2.148	2.989	12.2	21.2

216588 2002 LM_{26} 9 4.9 70.°99 3.°7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 21.48	+ 4 18.7	1.364	2.191	19.6	20.5
8 9	23 17.32	+ 4 14.8	1.307	2.209	15.7	20.3
8 19	23 10.57	+ 3 47.0	1.269	2.226	11.2	20.0
8 29	23 1.99	+ 2 57.5	1.252	2.244	6.5	19.8
9 8	22 52.73	+ 1 52.1	1.260	2.262	3.7	19.7
9 18	22 44.05	+ 0 39.3	1.293	2.279	6.5	19.9
9 28	22 37.12	− 0 31.6	1.351	2.297	10.8	20.2
10 8	22 32.70	− 1 32.7	1.432	2.314	14.8	20.5

77131 2001 DK_{99} 9 4.9 150.°18 3.°4/ 7.7 18

7 30	23 22.54	+ 3 20.6	1.655	2.470	17.2	20.2
8 9	23 17.90	+ 3 26.0	1.580	2.474	13.9	20.0
8 19	23 10.90	+ 3 12.3	1.524	2.479	9.9	19.7
8 29	23 2.15	+ 2 40.6	1.492	2.483	5.8	19.5
9 8	22 52.63	+ 1 54.9	1.485	2.486	3.4	19.4
9 18	22 43.45	+ 1 1.2	1.505	2.489	6.0	19.5
9 28	22 35.70	+ 0 6.6	1.551	2.492	10.1	19.8
10 8	22 30.20	− 0 42.1	1.621	2.495	13.8	20.0

277405 2005 UL_{195} 9 4.9 17.°81 4.°2/ 1.2 18

7 30	23 20.67	−16 57.7	1.926	2.791	13.2	20.5
8 9	23 16.15	−17 36.5	1.861	2.793	10.1	20.3
8 19	23 9.56	−18 17.5	1.819	2.795	6.8	20.1
8 29	23 1.53	−18 54.6	1.802	2.797	4.4	20.0
9 8	22 52.94	−19 21.9	1.811	2.799	5.0	20.0
9 18	22 44.74	−19 35.0	1.848	2.802	7.9	20.2
9 28	22 37.84	−19 31.6	1.909	2.805	11.2	20.4
10 8	22 32.92	−19 11.4	1.993	2.808	14.0	20.6

171094 2005 ER_{222} 9 4.9 116.°56 7.°1/28.4 18

7 30	23 21.59	−24 48.7	1.996	2.861	12.7	19.8
8 9	23 16.84	−26 12.7	1.947	2.870	10.1	19.7
8 19	23 10.00	−27 33.2	1.921	2.879	7.9	19.6
8 29	23 1.70	−28 41.8	1.921	2.888	7.1	19.5
9 8	22 52.87	−29 31.5	1.947	2.896	8.1	19.6
9 18	22 44.49	−29 57.9	1.998	2.904	10.4	19.8
9 28	22 37.48	−30 0.0	2.073	2.912	12.8	20.0
10 8	22 32.52	−29 39.3	2.168	2.920	15.0	20.1

7565 Zipfel 9 4.9 144.°32 0.°4/ 4.4 18

7 30	23 18.68	− 6 17.6	2.564	3.396	11.3	18.4
8 9	23 14.09	− 6 43.2	2.489	3.403	8.6	18.2
8 19	23 7.98	− 7 16.8	2.438	3.410	5.6	18.0
8 29	23 0.83	− 7 55.2	2.413	3.417	2.2	17.8
9 8	22 53.26	− 8 34.4	2.418	3.423	1.3	17.8
9 18	22 45.92	− 9 10.5	2.452	3.429	4.6	18.0
9 28	22 39.50	− 9 40.0	2.514	3.435	7.7	18.2
10 8	22 34.50	−10 0.4	2.601	3.441	10.4	18.4

192223 2007 VM_{6} 9 4.9 301.°66 0.°8/ 6.4 17 R

7 30	23 10.47	− 1 12.3	4.263	5.071	7.6	20.0
8 9	23 7.37	− 1 28.6	4.169	5.065	5.9	19.9
8 19	23 3.43	− 1 51.6	4.099	5.060	4.0	19.8
8 29	22 58.90	− 2 19.8	4.057	5.054	2.0	19.6
9 8	22 54.11	− 2 51.2	4.043	5.049	0.8	19.5
9 18	22 49.41	− 3 23.9	4.060	5.043	2.6	19.6
9 28	22 45.15	− 3 55.3	4.106	5.038	4.7	19.8
10 8	22 41.65	− 4 23.4	4.180	5.033	6.5	19.9

70446 Pugh 9 4.9 309.°49 0.°9/ 4.1 18

7 30	23 17.45	− 6 2.6	1.655	2.512	15.3	19.2
8 9	23 14.12	− 6 41.1	1.574	2.502	11.8	19.0
8 19	23 8.52	− 7 33.6	1.514	2.492	7.6	18.7
8 29	23 1.20	− 8 35.3	1.478	2.483	3.1	18.4
9 8	22 53.07	− 9 39.2	1.468	2.473	2.1	18.3
9 18	22 45.16	−10 37.9	1.485	2.464	6.7	18.6
9 28	22 38.55	−11 24.7	1.526	2.455	11.1	18.9
10 8	22 34.06	−11 55.3	1.590	2.446	15.0	19.1

253579 2003 SW_{326} 9 4.9 256.°18 1.°7/ 3.6 18

7 30	23 23.81	− 8 43.5	1.634	2.488	15.7	21.7
8 9	23 19.17	− 9 12.3	1.545	2.471	12.1	21.4
8 19	23 11.94	− 9 52.4	1.477	2.455	7.9	21.2
8 29	23 2.69	−10 38.7	1.433	2.437	3.3	20.8
9 8	22 52.39	−11 24.5	1.416	2.420	2.8	20.8
9 18	22 42.24	−12 2.7	1.426	2.401	7.5	21.0
9 28	22 33.51	−12 27.9	1.461	2.383	12.1	21.2
10 8	22 27.16	−12 36.6	1.517	2.364	16.1	21.4

447046 2004 RK_{125} 9 4.9 158.°53 0.°7/ 5.6 18

7 30	23 20.20	− 3 47.2	2.344	3.169	12.5	21.3
8 9	23 15.42	− 3 49.2	2.263	3.170	9.7	21.1
8 19	23 8.94	− 4 0.5	2.204	3.172	6.4	20.9
8 29	23 1.27	− 4 19.1	2.172	3.173	2.9	20.7
9 8	22 53.07	− 4 41.5	2.168	3.175	1.1	20.6
9 18	22 45.11	− 5 4.1	2.193	3.176	4.6	20.8
9 28	22 38.15	− 5 23.4	2.246	3.177	8.0	21.0
10 8	22 32.77	− 5 36.3	2.324	3.178	11.0	21.2

218214 2002 TY_{298} 9 4.9 320°.07 4°.2/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.14	+ 2 59.9	1.266	2.113	19.7	19.4
8 9	23 13.93	+ 3 19.1	1.177	2.091	16.1	19.1
8 19	23 8.89	+ 3 15.6	1.106	2.070	11.7	18.8
8 29	23 1.53	+ 2 48.8	1.056	2.050	7.1	18.5
9 8	22 52.88	+ 2 2.0	1.028	2.030	4.2	18.3
9 18	22 44.28	+ 1 1.9	1.023	2.011	7.4	18.4
9 28	22 37.23	− 0 1.8	1.041	1.993	12.5	18.6
10 8	22 32.88	− 0 59.3	1.079	1.976	17.3	18.9

512830 2016 UU_{111} 9 4.9 195°.11 1°.3/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.55	− 0 8.8	2.398	3.211	12.6	21.7
8 9	23 14.18	− 0 29.9	2.310	3.209	9.9	21.5
8 19	23 8.17	− 1 3.7	2.245	3.207	6.7	21.3
8 29	23 0.96	− 1 48.0	2.206	3.204	3.4	21.1
9 8	22 53.21	− 2 39.0	2.195	3.200	1.4	20.9
9 18	22 45.63	− 3 31.9	2.213	3.197	4.5	21.1
9 28	22 38.97	− 4 22.0	2.260	3.193	7.8	21.3
10 8	22 33.83	− 5 5.0	2.332	3.188	10.8	21.5

292550 2006 TV_{60} 9 4.9 277°.32 5°.7/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.10	−17 31.2	1.491	2.366	15.8	21.6
8 9	23 18.77	−18 29.9	1.421	2.358	12.2	21.4
8 19	23 11.69	−19 32.9	1.372	2.349	8.4	21.1
8 29	23 2.55	−20 31.2	1.347	2.341	5.8	21.0
9 8	22 52.49	−21 15.6	1.347	2.332	6.8	21.0
9 18	22 42.82	−21 39.3	1.372	2.324	10.3	21.2
9 28	22 34.83	−21 38.7	1.420	2.315	14.2	21.4
10 8	22 29.44	−21 14.5	1.488	2.307	17.8	21.6

444283 2005 UT_{436} 9 4.9 163°.68 3°.8/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.22	+ 8 20.5	2.344	3.122	13.9	21.7
8 9	23 12.46	+ 8 10.6	2.258	3.123	11.4	21.5
8 19	23 7.07	+ 7 42.7	2.192	3.125	8.6	21.4
8 29	23 0.51	+ 6 57.9	2.150	3.126	5.7	21.2
9 8	22 53.42	+ 5 58.9	2.135	3.127	3.9	21.1
9 18	22 46.52	+ 4 50.4	2.149	3.128	4.9	21.2
9 28	22 40.54	+ 3 38.3	2.190	3.129	7.6	21.3
10 8	22 36.05	+ 2 28.6	2.257	3.130	10.5	21.5

511637 2015 BQ_{138} 9 4.9 145°.09 3°.3/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.52	−12 58.9	1.851	2.707	14.0	21.7
8 9	23 18.35	−13 56.2	1.788	2.716	10.6	21.5
8 19	23 11.02	−14 59.9	1.748	2.725	6.9	21.3
8 29	23 2.16	−16 3.1	1.734	2.734	3.8	21.1
9 8	22 52.72	−16 58.6	1.748	2.742	4.3	21.2
9 18	22 43.70	−17 40.6	1.789	2.749	7.7	21.4
9 28	22 36.07	−18 5.4	1.856	2.756	11.2	21.6
10 8	22 30.55	−18 11.8	1.945	2.762	14.3	21.9

387914 2004 XV_{128} 9 4.9 315°.61 3°.0/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.39	−10 43.0	1.441	2.318	16.1	20.5
8 9	23 14.56	−11 27.7	1.355	2.295	12.4	20.2
8 19	23 9.11	−12 24.6	1.290	2.273	8.1	19.9
8 29	23 1.57	−13 27.0	1.247	2.251	3.9	19.6
9 8	22 52.93	−14 26.4	1.229	2.229	4.2	19.6
9 18	22 44.43	−15 14.1	1.236	2.209	8.8	19.8
9 28	22 37.39	−15 43.4	1.266	2.189	13.5	20.0
10 8	22 32.82	−15 51.0	1.316	2.169	17.7	20.2

227187 2005 QL_{57} 9 4.9 12°.40 1°.7/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.27	− 1 40.7	1.035	1.913	20.9	19.7
8 9	23 13.32	− 1 39.5	0.981	1.917	16.4	19.5
8 19	23 8.36	− 2 0.4	0.944	1.922	11.1	19.2
8 29	23 1.21	− 2 39.7	0.927	1.929	5.3	18.9
9 8	22 53.16	− 3 30.0	0.931	1.937	2.1	18.7
9 18	22 45.70	− 4 21.9	0.958	1.947	7.4	19.1
9 28	22 40.21	− 5 6.2	1.007	1.959	12.8	19.4
10 8	22 37.58	− 5 36.1	1.074	1.972	17.4	19.7

512835 2016 UK_{118} 9 4.9 61°.41 0°.9/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.16	− 7 11.9	1.779	2.630	14.7	21.2
8 9	23 15.83	− 7 37.4	1.714	2.639	11.2	21.0
8 19	23 9.41	− 8 13.3	1.671	2.648	7.2	20.8
8 29	23 1.51	− 8 54.9	1.653	2.658	2.9	20.5
9 8	22 53.04	− 9 36.6	1.662	2.667	1.9	20.5
9 18	22 44.97	−10 12.7	1.698	2.676	6.1	20.8
9 28	22 38.24	−10 38.7	1.759	2.686	10.1	21.0
10 8	22 33.54	−10 51.7	1.844	2.695	13.5	21.3

488864 2005 SB_{91} 9 4.9 334°.73 2°.0/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 13.35	− 0 22.4	1.178	2.047	19.5	21.1
8 9	23 11.83	− 0 29.5	1.099	2.029	15.5	20.8
8 19	23 7.51	− 0 59.6	1.037	2.013	10.7	20.5
8 29	23 0.95	− 1 50.8	0.996	1.997	5.4	20.1
9 8	22 53.22	− 2 56.5	0.977	1.983	2.2	19.9
9 18	22 45.68	− 4 7.4	0.981	1.970	7.3	20.2
9 28	22 39.78	− 5 12.7	1.007	1.959	12.8	20.4
10 8	22 36.60	− 6 3.7	1.053	1.949	17.8	20.7

83409 2001 SE_{37} 9 4.9 71°.13 0°.3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 17.82	− 4 52.7	1.964	2.807	13.8	19.3
8 9	23 13.91	− 5 27.4	1.892	2.812	10.6	19.1
8 19	23 8.11	− 6 14.1	1.843	2.817	6.9	18.9
8 29	23 0.97	− 7 8.7	1.819	2.822	2.8	18.6
9 8	22 53.27	− 8 5.4	1.822	2.828	1.5	18.6
9 18	22 45.86	− 8 58.5	1.853	2.833	5.5	18.8
9 28	22 39.61	− 9 42.7	1.910	2.838	9.3	19.1
10 8	22 35.15	−10 14.4	1.991	2.843	12.6	19.3

92353 2000 HL_{14} 9 4.9 242°.96 8°.1/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 26.07	−37 40.0	2.923	3.746	10.3	19.7
8 9	23 19.91	−38 41.5	2.857	3.730	9.1	19.5
8 19	23 11.88	−39 33.4	2.815	3.714	8.3	19.5
8 29	23 2.51	−40 9.4	2.798	3.696	8.2	19.4
9 8	22 52.59	−40 25.0	2.807	3.679	9.0	19.5
9 18	22 42.97	−40 17.7	2.840	3.661	10.3	19.5
9 28	22 34.49	−39 47.6	2.896	3.643	11.8	19.6
10 8	22 27.80	−38 57.0	2.972	3.624	13.3	19.7

432778 2011 FB_{36} 9 4.9 15°.10 23°.7/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 57.04	−58 3.0	1.035	1.829	26.5	19.2
8 9	23 46.14	−58 34.1	1.024	1.841	25.3	19.1
8 19	23 29.07	−58 18.9	1.025	1.854	24.3	19.1
8 29	23 9.07	−57 2.2	1.039	1.870	23.8	19.2
9 8	22 50.18	−54 40.3	1.068	1.889	23.8	19.2
9 18	22 35.38	−51 22.2	1.114	1.909	24.3	19.4
9 28	22 25.99	−47 24.3	1.176	1.932	25.2	19.5
10 8	22 21.85	−43 5.0	1.254	1.956	26.2	19.7

515218 2012 BF_{9} 9 4.9 274°.09 1°.1/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.22	− 6 22.5	2.268	3.113	12.2	20.7
8 9	23 11.78	− 7 19.3	2.185	3.108	9.3	20.5
8 19	23 6.68	− 8 27.1	2.126	3.102	5.9	20.3
8 29	23 0.38	− 9 41.4	2.093	3.097	2.4	20.0
9 8	22 53.52	−10 56.3	2.088	3.092	2.0	20.0
9 18	22 46.85	−12 5.8	2.112	3.087	5.5	20.2
9 28	22 41.10	−13 4.7	2.164	3.082	8.9	20.4
10 8	22 36.87	−13 49.4	2.239	3.076	11.9	20.6

362871 2012 BW_{81} 9 4.9 77°.82 2°.4/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.69	+ 1 18.3	2.258	3.066	13.4	20.4
8 9	23 15.08	+ 1 28.5	2.181	3.073	10.7	20.2
8 19	23 8.76	+ 1 26.1	2.125	3.080	7.5	20.0
8 29	23 1.22	+ 1 12.3	2.095	3.087	4.2	19.8
9 8	22 53.17	+ 0 49.9	2.093	3.095	2.4	19.7
9 18	22 45.39	+ 0 22.4	2.119	3.102	4.6	19.9
9 28	22 38.63	− 0 5.8	2.172	3.109	7.8	20.1
10 8	22 33.49	− 0 30.7	2.251	3.116	10.8	20.3

264876 2002 RB_{248} 9 4.9 319°.29 2°.6/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.92	−10 18.1	1.349	2.223	17.2	20.8
8 9	23 17.28	−10 51.1	1.277	2.215	13.2	20.5
8 19	23 10.84	−11 35.3	1.225	2.207	8.5	20.2
8 29	23 2.26	−12 24.2	1.195	2.200	3.8	20.0
9 8	22 52.71	−13 9.4	1.191	2.193	3.8	19.9
9 18	22 43.51	−13 43.3	1.210	2.186	8.5	20.2
9 28	22 36.02	−14 0.0	1.254	2.180	13.3	20.5
10 8	22 31.19	−13 57.4	1.317	2.174	17.5	20.7

90607 4918 $P\text{–}L$ 9 4.9 57°.59 1°.7/ 6.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.90	+ 2 57.8	1.627	2.456	16.8	19.1
8 9	23 12.77	+ 2 0.0	1.562	2.469	13.2	18.9
8 19	23 7.51	+ 0 39.7	1.517	2.481	9.1	18.7
8 29	23 0.76	− 0 58.5	1.496	2.494	4.5	18.5
9 8	22 53.40	− 2 46.7	1.502	2.507	1.8	18.3
9 18	22 46.44	− 4 35.1	1.535	2.521	5.6	18.6
9 28	22 40.81	− 6 14.4	1.594	2.534	9.9	18.9
10 8	22 37.21	− 7 37.5	1.677	2.548	13.6	19.1

391516 2007 RG_{137} 9 4.9 30°.08 0°.7/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.51	− 0 12.0	1.662	2.503	16.0	20.5
8 9	23 12.51	− 1 7.3	1.590	2.507	12.5	20.2
8 19	23 7.39	− 2 22.4	1.539	2.511	8.3	20.0
8 29	23 0.74	− 3 52.5	1.513	2.514	3.7	19.8
9 8	22 53.42	− 5 29.8	1.512	2.519	1.3	19.6
9 18	22 46.41	− 7 5.4	1.539	2.523	5.9	19.9
9 28	22 40.68	− 8 30.8	1.592	2.528	10.2	20.2
10 8	22 36.95	− 9 39.7	1.668	2.533	14.0	20.4

53884 2000 FT_{39} 9 4.9 191°.66 2°.2/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.02	− 9 10.2	1.689	2.546	15.0	19.3
8 9	23 16.75	− 9 58.9	1.617	2.546	11.5	19.1
8 19	23 10.17	−10 58.5	1.566	2.545	7.4	18.8
8 29	23 1.91	−12 2.8	1.541	2.544	3.2	18.6
9 8	22 52.90	−13 4.4	1.542	2.543	3.2	18.6
9 18	22 44.23	−13 56.2	1.570	2.542	7.3	18.8
9 28	22 36.95	−14 32.7	1.623	2.540	11.4	19.1
10 8	22 31.86	−14 51.3	1.699	2.538	15.0	19.3

393245 2013 QG_{86} 9 4.9 195°.51 1°.8/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 21.75	− 7 51.0	1.638	2.493	15.6	21.5
8 9	23 17.40	− 8 42.3	1.564	2.492	11.9	21.3
8 19	23 10.65	− 9 46.4	1.511	2.490	7.6	21.0
8 29	23 2.13	−10 57.1	1.484	2.488	3.2	20.8
9 8	22 52.80	−12 6.5	1.483	2.485	2.9	20.7
9 18	22 43.80	−13 6.9	1.509	2.483	7.3	21.0
9 28	22 36.24	−13 52.0	1.560	2.479	11.6	21.2
10 8	22 30.94	−14 18.6	1.633	2.475	15.4	21.5

379945 2012 MG_{1} 9 4.9 192°.24 4°.1/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.45	−13 29.1	1.645	2.512	14.9	21.1
8 9	23 17.17	−14 38.0	1.578	2.512	11.4	20.9
8 19	23 10.49	−15 54.9	1.532	2.511	7.5	20.7
8 29	23 2.05	−17 11.6	1.511	2.510	4.4	20.5
9 8	22 52.84	−18 19.5	1.517	2.508	5.2	20.5
9 18	22 44.00	−19 11.0	1.549	2.507	8.8	20.7
9 28	22 36.63	−19 41.5	1.605	2.505	12.6	21.0
10 8	22 31.54	−19 49.9	1.682	2.503	16.0	21.2

353727 2011 WF_{62} 9 4.9 217°.61 0°.9/ 6.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 9.86	+ 0 1.1	5.098	5.895	6.6	22.3
8 9	23 6.80	− 0 15.3	5.001	5.890	5.2	22.2
8 19	23 3.02	− 0 37.8	4.928	5.884	3.5	22.1
8 29	22 58.77	− 1 5.0	4.883	5.878	1.9	21.9
9 8	22 54.30	− 1 35.4	4.868	5.872	0.9	21.8
9 18	22 49.90	− 2 7.3	4.884	5.866	2.2	21.9
9 28	22 45.86	− 2 38.7	4.929	5.860	3.9	22.1
10 8	22 42.44	− 3 7.7	5.001	5.854	5.5	22.2

123637 2000 YR_{52} 9 4.9 160°.52 0°.1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.84	− 5 4.1	2.564	3.393	11.4	20.4
8 9	23 13.51	− 5 30.4	2.484	3.397	8.7	20.2
8 19	23 7.66	− 6 5.6	2.429	3.400	5.7	20.0
8 29	23 0.77	− 6 46.7	2.400	3.403	2.3	19.8
9 8	22 53.42	− 7 29.7	2.400	3.406	1.1	19.7
9 18	22 46.28	− 8 10.6	2.429	3.408	4.5	20.0
9 28	22 40.03	− 8 45.4	2.486	3.410	7.6	20.2
10 8	22 35.17	− 9 11.4	2.568	3.412	10.4	20.4

313149 2001 DW_{17} 9 4.9 123°.03 2°.4/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.39	−11 51.4	2.677	3.526	10.4	20.8
8 9	23 12.33	−13 0.8	2.613	3.538	7.8	20.7
8 19	23 6.86	−14 15.7	2.574	3.551	5.0	20.5
8 29	23 0.42	−15 30.9	2.563	3.563	2.7	20.4
9 8	22 53.59	−16 41.1	2.581	3.574	3.2	20.4
9 18	22 47.00	−17 41.7	2.629	3.586	5.7	20.6
9 28	22 41.26	−18 29.3	2.704	3.597	8.4	20.8
10 8	22 36.86	−19 2.1	2.803	3.607	10.7	21.0

200533 2001 DV_{46} 9 4.9 251°.05 1°.4/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.35	− 0 4.3	2.098	2.917	13.9	21.5
8 9	23 15.19	− 0 25.0	1.999	2.901	11.0	21.3
8 19	23 9.08	− 1 0.7	1.922	2.885	7.6	21.1
8 29	23 1.47	− 1 49.3	1.870	2.868	3.8	20.8
9 8	22 53.09	− 2 46.5	1.845	2.851	1.6	20.6
9 18	22 44.80	− 3 46.8	1.849	2.833	5.1	20.8
9 28	22 37.50	− 4 44.1	1.880	2.814	9.0	21.0
10 8	22 31.93	− 5 33.2	1.936	2.796	12.6	21.2

365911 2011 WN_{104} 9 4.9 30°.09 6°.1/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.50	−16 29.1	1.154	2.042	18.4	20.5
8 9	23 19.55	−17 30.4	1.101	2.045	14.2	20.3
8 19	23 12.39	−18 37.3	1.067	2.048	9.6	20.0
8 29	23 2.90	−19 38.7	1.055	2.052	6.3	19.9
9 8	22 52.51	−20 23.6	1.066	2.056	7.3	19.9
9 18	22 42.81	−20 44.3	1.101	2.060	11.4	20.2
9 28	22 35.28	−20 37.9	1.156	2.065	15.7	20.4
10 8	22 30.83	−20 6.0	1.231	2.070	19.6	20.7

111770 2002 CY_{152} 9 4.9 203°.59 1°.0/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.49	+ 0 1.1	4.482	5.282	7.4	20.2
8 9	23 7.35	− 0 13.7	4.391	5.282	5.8	20.1
8 19	23 3.43	− 0 35.3	4.324	5.281	4.0	20.0
8 29	22 58.95	− 1 2.2	4.285	5.280	2.1	19.8
9 8	22 54.24	− 1 32.8	4.276	5.280	1.0	19.7
9 18	22 49.62	− 2 4.9	4.296	5.279	2.5	19.9
9 28	22 45.42	− 2 36.4	4.346	5.279	4.4	20.0
10 8	22 41.94	− 3 5.2	4.423	5.278	6.1	20.1

250684 2005 QB_{35} 9 4.9 297°.85 0°.4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.90	− 5 18.3	2.012	2.857	13.5	20.8
8 9	23 13.31	− 5 51.9	1.927	2.848	10.4	20.6
8 19	23 7.82	− 6 37.4	1.863	2.838	6.8	20.3
8 29	23 0.92	− 7 31.1	1.825	2.829	2.8	20.1
9 8	22 53.36	− 8 27.5	1.815	2.820	1.5	19.9
9 18	22 45.98	− 9 20.7	1.832	2.812	5.6	20.2
9 28	22 39.65	−10 5.3	1.875	2.803	9.5	20.4
10 8	22 35.08	−10 37.4	1.942	2.794	12.9	20.6

496073 2009 RV_{47} 9 4.9 306°.84 2°.0/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.89	+ 5 36.5	4.206	4.980	8.2	21.0
8 9	23 6.99	+ 5 19.2	4.106	4.974	6.7	20.9
8 19	23 3.23	+ 4 52.6	4.030	4.968	4.9	20.7
8 29	22 58.89	+ 4 17.5	3.981	4.962	3.1	20.6
9 8	22 54.27	+ 3 36.0	3.960	4.955	2.0	20.5
9 18	22 49.73	+ 2 50.1	3.969	4.949	2.8	20.6
9 28	22 45.64	+ 2 2.7	4.007	4.943	4.6	20.7
10 8	22 42.30	+ 1 16.6	4.072	4.937	6.4	20.8

199908 2007 GK_{17} 9 4.9 32°.06 10°.0/15.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.19	+20 19.6	1.385	2.140	22.7	20.4
8 9	23 11.97	+20 41.4	1.324	2.153	19.9	20.3
8 19	23 7.27	+20 26.6	1.277	2.167	16.6	20.1
8 29	23 0.75	+19 32.1	1.247	2.181	13.3	19.9
9 8	22 53.48	+18 0.2	1.238	2.197	10.7	19.8
9 18	22 46.65	+15 58.7	1.251	2.213	10.0	19.9
9 28	22 41.42	+13 40.2	1.289	2.230	11.6	20.0
10 8	22 38.56	+11 19.4	1.349	2.248	14.4	20.2

160544 1998 HV_{5} 9 4.9 61°.14 2°.1/ 3.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.11	− 8 46.1	1.564	2.427	15.8	20.3
8 9	23 16.00	− 9 35.3	1.511	2.443	11.9	20.1
8 19	23 9.61	−10 35.2	1.478	2.458	7.6	19.8
8 29	23 1.64	−11 39.1	1.470	2.475	3.2	19.6
9 8	22 53.11	−12 39.2	1.489	2.491	3.1	19.7
9 18	22 45.11	−13 28.7	1.533	2.507	7.2	20.0
9 28	22 38.64	−14 2.5	1.603	2.524	11.3	20.2
10 8	22 34.40	−14 18.5	1.694	2.540	14.7	20.5

444166 2005 JY_{78} 9 4.9 165°.61 5°.4/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.32	+12 50.8	2.337	3.084	14.7	21.8
8 9	23 14.12	+12 56.0	2.250	3.088	12.4	21.6
8 19	23 8.21	+12 41.3	2.182	3.091	9.8	21.5
8 29	23 1.07	+12 6.4	2.138	3.093	7.3	21.3
9 8	22 53.35	+11 13.4	2.119	3.096	5.5	21.2
9 18	22 45.82	+10 6.1	2.129	3.098	5.9	21.3
9 28	22 39.26	+ 8 50.6	2.166	3.099	8.0	21.4
10 8	22 34.27	+ 7 33.7	2.228	3.101	10.6	21.6

438504 2007 RV_{29} 9 4.9 345°.92 5°.4/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.95	+ 3 0.0	1.316	2.156	19.5	19.5
8 9	23 15.90	+ 4 0.8	1.237	2.144	16.0	19.3
8 19	23 10.07	+ 4 44.0	1.176	2.134	11.9	19.0
8 29	23 2.04	+ 5 7.4	1.137	2.124	7.8	18.8
9 8	22 52.90	+ 5 12.0	1.120	2.117	5.4	18.6
9 18	22 43.98	+ 5 1.1	1.126	2.110	7.6	18.7
9 28	22 36.66	+ 4 41.1	1.156	2.105	11.9	19.0
10 8	22 32.00	+ 4 19.4	1.206	2.101	16.1	19.2

363702 2004 TY_{307} 9 4.9 328°.15 4°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.77	+ 5 18.4	1.874	2.682	15.8	20.1
8 9	23 13.45	+ 5 42.6	1.781	2.667	13.0	19.8
8 19	23 8.07	+ 5 49.7	1.707	2.653	9.7	19.6
8 29	23 1.10	+ 5 39.1	1.656	2.639	6.4	19.4
9 8	22 53.32	+ 5 13.0	1.630	2.626	4.4	19.2
9 18	22 45.65	+ 4 35.1	1.631	2.613	5.9	19.3
9 28	22 39.06	+ 3 51.2	1.657	2.601	9.3	19.5
10 8	22 34.35	+ 3 7.8	1.707	2.589	12.8	19.7

2086 Newell 9 4.9 280°.96 2°.1/ 3.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.37	− 7 36.6	1.553	2.417	15.8	16.0
8 9	23 15.06	− 8 36.8	1.472	2.405	12.1	15.8
8 19	23 9.31	− 9 52.3	1.412	2.392	7.8	15.5
8 29	23 1.67	−11 16.5	1.376	2.380	3.3	15.2
9 8	22 53.09	−12 40.5	1.365	2.368	3.3	15.2
9 18	22 44.71	−13 55.2	1.381	2.355	7.9	15.4
9 28	22 37.72	−14 53.0	1.422	2.343	12.4	15.7
10 8	22 33.02	−15 29.4	1.483	2.331	16.4	15.9

123089 2000 SL_{328} 9 4.9 245°.70 2°.6/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.49	−11 52.7	2.002	2.854	13.3	20.7
8 9	23 17.69	−12 31.4	1.913	2.839	10.2	20.4
8 19	23 10.75	−13 17.2	1.847	2.824	6.6	20.2
8 29	23 2.20	−14 5.1	1.807	2.809	3.3	19.9
9 8	22 52.86	−14 48.8	1.795	2.793	3.5	19.9
9 18	22 43.69	−15 22.7	1.811	2.777	7.0	20.1
9 28	22 35.68	−15 42.8	1.853	2.760	10.8	20.3
10 8	22 29.61	−15 47.0	1.917	2.743	14.1	20.5

509444 2007 GJ_{17} 9 4.9 149°.61 4°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.29	+11 32.5	3.050	3.790	11.7	22.5
8 9	23 12.14	+11 25.8	2.962	3.799	9.8	22.4
8 19	23 6.71	+11 3.9	2.896	3.807	7.6	22.3
8 29	23 0.39	+10 27.3	2.856	3.815	5.5	22.1
9 8	22 53.69	+ 9 37.9	2.843	3.822	4.1	22.1
9 18	22 47.15	+ 8 39.0	2.859	3.829	4.5	22.1
9 28	22 41.34	+ 7 34.8	2.903	3.836	6.3	22.2
10 8	22 36.70	+ 6 30.2	2.975	3.842	8.4	22.4

242664 2005 ST_{25} 9 4.9 278°.03 3°.2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 22.33	−12 19.4	1.588	2.453	15.5	20.8
8 9	23 18.04	−12 57.1	1.509	2.443	11.8	20.6
8 19	23 11.20	−13 43.0	1.453	2.432	7.7	20.3
8 29	23 2.44	−14 30.6	1.420	2.422	3.9	20.0
9 8	22 52.77	−15 12.3	1.413	2.412	4.2	20.0
9 18	22 43.39	−15 41.7	1.433	2.401	8.3	20.3
9 28	22 35.50	−15 54.0	1.476	2.391	12.5	20.5
10 8	22 30.00	−15 47.7	1.541	2.380	16.3	20.7

480945 2003 SD_{217} 9 4.9 327°.94 3°.5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.31	+ 3 52.2	1.329	2.177	18.9	20.5
8 9	23 10.10	+ 3 42.4	1.234	2.149	15.4	20.2
8 19	23 6.37	+ 3 6.1	1.156	2.121	11.2	19.8
8 29	23 0.55	+ 2 3.3	1.099	2.094	6.5	19.5
9 8	22 53.54	+ 0 38.8	1.065	2.068	3.5	19.3
9 18	22 46.55	− 0 58.6	1.054	2.044	6.8	19.4
9 28	22 40.90	− 2 37.2	1.067	2.021	12.0	19.6
10 8	22 37.72	− 4 5.4	1.100	1.999	16.9	19.8

339144 2004 TX_{5} 9 4.9 320°.31 4°.9/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 22.04	−16 28.2	1.413	2.292	16.2	20.3
8 9	23 18.19	−17 0.7	1.336	2.275	12.6	20.1
8 19	23 11.51	−17 37.5	1.279	2.259	8.5	19.8
8 29	23 2.62	−18 10.9	1.244	2.243	5.3	19.6
9 8	22 52.68	−18 32.7	1.235	2.227	6.0	19.6
9 18	22 43.05	−18 36.5	1.249	2.212	9.9	19.7
9 28	22 35.11	−18 19.0	1.287	2.198	14.2	20.0
10 8	22 29.84	−17 40.3	1.344	2.185	18.1	20.2

481606 2007 TA_{406} 9 4.9 13°.98 10°.6/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 24.08	−29 44.8	1.356	2.236	16.7	19.8
8 9	23 19.68	−30 50.4	1.314	2.240	13.8	19.6
8 19	23 12.27	−31 45.3	1.292	2.245	11.5	19.5
8 29	23 2.80	−32 18.3	1.291	2.251	10.6	19.5
9 8	22 52.69	−32 21.5	1.313	2.258	11.6	19.6
9 18	22 43.41	−31 51.9	1.357	2.266	14.0	19.7
9 28	22 36.27	−30 51.3	1.421	2.275	16.8	19.9
10 8	22 32.03	−29 25.6	1.504	2.285	19.3	20.2

245278 2005 BR_{24} 9 4.9 231°.74 1°.5/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.54	− 7 26.0	1.897	2.749	13.9	20.9
8 9	23 14.66	− 8 16.3	1.819	2.745	10.6	20.7
8 19	23 8.75	− 9 18.3	1.763	2.741	6.8	20.4
8 29	23 1.35	−10 26.7	1.733	2.737	2.8	20.2
9 8	22 53.27	−11 34.7	1.730	2.733	2.5	20.1
9 18	22 45.43	−12 35.6	1.754	2.728	6.4	20.4
9 28	22 38.77	−13 23.8	1.805	2.724	10.3	20.6
10 8	22 33.99	−13 55.8	1.878	2.719	13.7	20.8

87379 2000 QU_{59} 9 4.9 61°.76 0°.3/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.99	− 5 36.5	1.944	2.788	13.9	19.9
8 9	23 14.82	− 6 0.9	1.876	2.796	10.7	19.7
8 19	23 8.74	− 6 36.1	1.829	2.804	6.9	19.5
8 29	23 1.31	− 7 18.3	1.808	2.812	2.8	19.2
9 8	22 53.34	− 8 2.2	1.814	2.820	1.4	19.1
9 18	22 45.71	− 8 42.5	1.848	2.828	5.5	19.4
9 28	22 39.26	− 9 14.7	1.908	2.837	9.3	19.7
10 8	22 34.65	− 9 35.4	1.992	2.845	12.5	19.9

220853 2004 VN_{61} 9 4.9 346°.91 4°.9/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.02	−15 41.7	1.793	2.671	13.3	19.5
8 9	23 11.38	−17 11.4	1.725	2.665	10.2	19.3
8 19	23 6.70	−18 47.5	1.680	2.659	6.9	19.1
8 29	23 0.52	−20 21.8	1.661	2.654	5.0	18.9
9 8	22 53.67	−21 45.2	1.668	2.650	6.1	19.0
9 18	22 47.07	−22 50.4	1.700	2.646	9.2	19.2
9 28	22 41.67	−23 32.7	1.757	2.642	12.5	19.4
10 8	22 38.20	−23 50.8	1.834	2.640	15.4	19.6

253645 2003 UE_{127} 9 4.9 138°.67 2°.6/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.69	+ 3 20.0	1.739	2.552	16.6	20.7
8 9	23 17.14	+ 2 56.4	1.667	2.562	13.2	20.5
8 19	23 10.38	+ 2 12.9	1.615	2.572	9.3	20.3
8 29	23 2.04	+ 1 11.9	1.587	2.581	5.1	20.1
9 8	22 53.03	− 0 1.0	1.586	2.589	2.6	19.9
9 18	22 44.38	− 1 18.6	1.612	2.597	5.6	20.2
9 28	22 37.10	− 2 33.0	1.666	2.605	9.6	20.4
10 8	22 31.92	− 3 37.6	1.743	2.612	13.3	20.7

269856 2000 DT_{108} 9 4.9 274°.55 3°.2/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.32	−13 39.3	2.459	3.316	10.9	20.6
8 9	23 12.67	−14 49.4	2.366	3.295	8.3	20.4
8 19	23 7.35	−16 6.3	2.297	3.274	5.5	20.2
8 29	23 0.77	−17 24.3	2.255	3.252	3.4	20.1
9 8	22 53.56	−18 37.5	2.242	3.231	4.1	20.1
9 18	22 46.42	−19 40.0	2.257	3.209	6.9	20.2
9 28	22 40.12	−20 27.5	2.299	3.187	9.8	20.4
10 8	22 35.29	−20 57.7	2.364	3.165	12.6	20.5

507741 2013 XN_{13} 9 4.9 163°.49 3°.0/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 22.26	−13 12.3	2.131	2.982	12.6	22.3
8 9	23 17.21	−14 5.6	2.062	2.987	9.5	22.1
8 19	23 10.25	−15 4.2	2.016	2.992	6.2	21.9
8 29	23 1.94	−16 2.6	1.997	2.997	3.4	21.7
9 8	22 53.08	−16 54.4	2.007	3.000	3.9	21.8
9 18	22 44.54	−17 34.7	2.045	3.004	6.9	22.0
9 28	22 37.17	−17 59.8	2.109	3.006	10.2	22.2
10 8	22 31.62	−18 8.5	2.197	3.008	13.0	22.4

171131 2005 GM_{34} 9 4.9 50°.87 6°.3/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.43	−20 52.1	1.686	2.560	14.3	19.8
8 9	23 17.01	−21 58.3	1.637	2.570	11.1	19.6
8 19	23 10.28	−23 3.7	1.610	2.581	8.0	19.5
8 29	23 1.97	−23 59.8	1.608	2.592	6.3	19.4
9 8	22 53.10	−24 39.0	1.631	2.603	7.3	19.5
9 18	22 44.78	−24 56.7	1.679	2.615	10.0	19.7
9 28	22 38.01	−24 51.3	1.751	2.626	13.0	19.9
10 8	22 33.49	−24 24.2	1.843	2.638	15.8	20.1

168411 1998 HO_{113} 9 4.9 144°.33 0°.7/ 4.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.84	− 6 9.1	2.592	3.424	11.2	20.6
8 9	23 13.49	− 6 52.7	2.518	3.433	8.5	20.5
8 19	23 7.68	− 7 44.9	2.469	3.442	5.5	20.3
8 29	23 0.83	− 8 42.1	2.447	3.450	2.2	20.1
9 8	22 53.58	− 9 39.6	2.454	3.458	1.5	20.0
9 18	22 46.55	−10 32.9	2.490	3.466	4.7	20.3
9 28	22 40.40	−11 17.9	2.555	3.473	7.7	20.5
10 8	22 35.64	−11 52.1	2.645	3.479	10.4	20.7

207732 2007 RH_{191} 9 4.9 274°.36 0°.6/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.84	− 2 38.5	1.859	2.696	14.7	21.3
8 9	23 14.94	− 3 0.0	1.777	2.692	11.5	21.1
8 19	23 8.97	− 3 35.6	1.717	2.688	7.7	20.9
8 29	23 1.48	− 4 22.3	1.682	2.684	3.4	20.6
9 8	22 53.28	− 5 14.6	1.673	2.679	1.3	20.4
9 18	22 45.32	− 6 6.8	1.692	2.675	5.5	20.7
9 28	22 38.54	− 6 52.9	1.737	2.671	9.6	21.0
10 8	22 33.69	− 7 28.1	1.805	2.667	13.2	21.2

350053 2010 PE_{49} 9 4.9 253°.58 1°.4/ 2.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.79	−13 2.3	4.491	5.333	6.6	21.5
8 9	23 8.37	−13 27.0	4.406	5.327	5.0	21.4
8 19	23 4.13	−13 53.9	4.347	5.322	3.2	21.2
8 29	22 59.31	−14 20.8	4.316	5.317	1.6	21.1
9 8	22 54.25	−14 45.6	4.315	5.311	1.8	21.1
9 18	22 49.28	−15 6.3	4.344	5.306	3.5	21.2
9 28	22 44.76	−15 21.1	4.401	5.300	5.3	21.4
10 8	22 41.00	−15 29.0	4.484	5.294	6.9	21.5

61542 2000 QH_{64} 9 4.9 21°.30 5°.2/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.14	−11 57.9	1.275	2.166	16.9	18.0
8 9	23 12.08	−13 57.5	1.224	2.172	12.7	17.8
8 19	23 7.42	−16 9.8	1.194	2.178	8.3	17.6
8 29	23 0.88	−18 22.2	1.187	2.186	5.3	17.4
9 8	22 53.57	−20 20.9	1.205	2.194	6.8	17.5
9 18	22 46.74	−21 54.6	1.247	2.203	10.8	17.8
9 28	22 41.57	−22 56.8	1.312	2.213	14.8	18.0
10 8	22 38.86	−23 26.6	1.395	2.223	18.3	18.3

423458 2005 SK_{127} 9 4.9 51°.68 5°.5/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 30.40	−18 23.3	1.225	2.100	18.4	20.6
8 9	23 24.18	−18 49.2	1.191	2.127	14.1	20.4
8 19	23 14.96	−19 14.6	1.177	2.154	9.5	20.2
8 29	23 3.87	−19 31.1	1.186	2.182	6.0	20.1
9 8	22 52.41	−19 31.6	1.219	2.210	6.4	20.2
9 18	22 42.09	−19 13.0	1.277	2.238	10.0	20.5
9 28	22 34.13	−18 35.3	1.358	2.266	13.9	20.8
10 8	22 29.17	−17 41.4	1.460	2.294	17.3	21.1

73420 2002 LX_{36} 9 4.9 323°.04 4°.2/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.12	−11 34.6	1.642	2.517	14.6	19.0
8 9	23 12.44	−13 16.6	1.570	2.509	11.0	18.8
8 19	23 7.53	−15 11.0	1.520	2.502	7.2	18.5
8 29	23 0.94	−17 8.8	1.495	2.495	4.3	18.3
9 8	22 53.56	−18 59.1	1.498	2.488	5.5	18.4
9 18	22 46.42	−20 32.2	1.526	2.482	9.2	18.6
9 28	22 40.57	−21 41.2	1.579	2.476	13.0	18.8
10 8	22 36.80	−22 23.4	1.652	2.470	16.3	19.0

487885 2015 TP_{145} 9 4.9 271°.09 4°.6/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.13	−20 56.3	2.401	3.254	11.3	20.5
8 9	23 17.82	−21 27.4	2.319	3.241	8.8	20.3
8 19	23 10.65	−21 57.6	2.261	3.228	6.3	20.1
8 29	23 2.15	−22 21.5	2.229	3.215	4.7	20.0
9 8	22 53.07	−22 34.4	2.226	3.202	5.3	20.0
9 18	22 44.23	−22 33.0	2.250	3.189	7.7	20.1
9 28	22 36.47	−22 15.5	2.301	3.176	10.4	20.3
10 8	22 30.44	−21 42.5	2.375	3.163	12.9	20.4

183839 2004 BQ_{109} 9 4.9 160°.35 1°.0/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 23.09	− 6 48.9	1.791	2.636	14.9	21.7
8 9	23 18.19	− 7 24.3	1.720	2.641	11.4	21.5
8 19	23 11.08	− 8 11.1	1.670	2.645	7.4	21.3
8 29	23 2.37	− 9 4.5	1.645	2.649	3.0	21.0
9 8	22 52.99	− 9 58.1	1.648	2.653	2.1	20.9
9 18	22 43.97	−10 45.5	1.679	2.656	6.4	21.2
9 28	22 36.30	−11 21.6	1.736	2.658	10.4	21.5
10 8	22 30.74	−11 43.3	1.815	2.660	13.9	21.7

282062 1999 UM_{12} 9 4.9 4°.05 6°.1/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 9.38	+11 16.1	1.225	2.049	21.5	19.9
8 9	23 8.57	+11 1.9	1.156	2.048	18.0	19.7
8 19	23 5.25	+10 12.2	1.104	2.049	13.9	19.5
8 29	23 0.05	+ 8 47.1	1.071	2.051	9.5	19.2
9 8	22 53.99	+ 6 52.7	1.060	2.054	6.3	19.1
9 18	22 48.27	+ 4 40.1	1.072	2.059	7.3	19.2
9 28	22 44.10	+ 2 24.1	1.108	2.065	11.2	19.4
10 8	22 42.34	+ 0 18.8	1.165	2.073	15.4	19.7

513354 2007 YQ_{13} 9 4.9 287°.13 3°.1/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.23	+ 0 9.0	1.435	2.272	18.3	21.5
8 9	23 19.25	+ 0 32.4	1.340	2.250	14.8	21.2
8 19	23 12.39	+ 0 39.0	1.264	2.229	10.5	20.9
8 29	23 3.17	+ 0 29.0	1.210	2.207	5.8	20.6
9 8	22 52.59	+ 0 5.3	1.181	2.184	3.1	20.4
9 18	22 42.01	− 0 26.9	1.176	2.162	7.0	20.5
9 28	22 32.89	− 1 0.5	1.197	2.140	12.1	20.8
10 8	22 26.40	− 1 28.6	1.238	2.118	16.8	21.0

136598 1993 FJ_{31} 9 4.9 107°.88 2°.2/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 23.91	− 9 37.7	1.671	2.526	15.3	20.7
8 9	23 18.83	−10 21.9	1.614	2.541	11.6	20.5
8 19	23 11.46	−11 15.4	1.578	2.557	7.4	20.3
8 29	23 2.51	−12 11.8	1.568	2.572	3.3	20.1
9 8	22 52.99	−13 3.9	1.585	2.586	3.1	20.1
9 18	22 43.99	−13 45.6	1.628	2.600	7.1	20.4
9 28	22 36.53	−14 12.5	1.698	2.614	11.1	20.6
10 8	22 31.30	−14 22.7	1.790	2.627	14.4	20.9

347430 2012 TN_{21} 9 4.9 19°.14 0°.3/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.55	− 5 54.5	1.529	2.385	16.4	20.9
8 9	23 16.60	− 6 9.4	1.461	2.388	12.7	20.7
8 19	23 10.22	− 6 37.2	1.413	2.390	8.3	20.4
8 29	23 2.07	− 7 13.5	1.389	2.393	3.4	20.1
9 8	22 53.18	− 7 52.3	1.391	2.397	1.7	20.0
9 18	22 44.69	− 8 27.2	1.418	2.400	6.6	20.4
9 28	22 37.72	− 8 52.7	1.470	2.405	11.0	20.6
10 8	22 33.05	− 9 5.2	1.544	2.409	14.9	20.9

447689 2007 BP_{79} 9 4.9 337°.93 2°.1/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.37	− 1 3.9	1.904	2.731	14.8	21.0
8 9	23 16.10	− 0 45.2	1.819	2.725	11.8	20.8
8 19	23 9.75	− 0 38.9	1.756	2.719	8.2	20.6
8 29	23 1.86	− 0 43.7	1.717	2.714	4.3	20.3
9 8	22 53.26	− 0 56.9	1.705	2.709	2.2	20.2
9 18	22 44.87	− 1 14.6	1.720	2.705	5.3	20.4
9 28	22 37.65	− 1 32.3	1.762	2.701	9.2	20.6
10 8	22 32.35	− 1 45.8	1.827	2.698	12.7	20.8

327079 2004 VW_{35} 9 4.9 215°.72 5°.9/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.88	−26 43.3	2.741	3.594	10.1	21.1
8 9	23 15.19	−27 47.8	2.675	3.589	8.1	21.0
8 19	23 8.87	−28 48.6	2.633	3.583	6.5	20.9
8 29	23 1.42	−29 40.2	2.618	3.577	6.0	20.8
9 8	22 53.47	−30 17.4	2.631	3.571	6.8	20.9
9 18	22 45.76	−30 37.0	2.670	3.564	8.5	21.0
9 28	22 39.00	−30 37.7	2.734	3.558	10.5	21.1
10 8	22 33.76	−30 20.1	2.819	3.550	12.4	21.2

233376 2006 DY_{193} 9 4.9 343°.12 0°.4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 16.62	− 4 38.5	1.405	2.270	17.1	20.6
8 9	23 13.88	− 5 10.5	1.332	2.263	13.3	20.4
8 19	23 8.62	− 5 59.3	1.278	2.257	8.7	20.1
8 29	23 1.47	− 7 0.2	1.247	2.252	3.6	19.8
9 8	22 53.43	− 8 5.5	1.241	2.247	1.8	19.7
9 18	22 45.69	− 9 6.6	1.260	2.243	7.0	20.0
9 28	22 39.45	− 9 55.9	1.302	2.240	11.9	20.2
10 8	22 35.60	−10 28.1	1.366	2.237	16.1	20.5

203206 2001 DD_{65} 9 4.9 185°.29 1°.7/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 17.56	− 6 47.7	1.985	2.834	13.5	20.1
8 9	23 13.85	− 8 3.9	1.909	2.834	10.2	19.9
8 19	23 8.22	− 9 32.9	1.856	2.834	6.5	19.7
8 29	23 1.20	−11 8.8	1.829	2.833	2.8	19.5
9 8	22 53.55	−12 43.8	1.831	2.832	2.7	19.5
9 18	22 46.13	−14 10.1	1.861	2.831	6.5	19.7
9 28	22 39.82	−15 21.5	1.917	2.830	10.2	19.9
10 8	22 35.28	−16 14.2	1.998	2.829	13.4	20.1

9754 1990 QJ_4 9 5.0 42°.51 0°.2/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 19.29	− 3 53.6	1.201	2.070	19.2	17.6
8 9	23 15.96	− 4 30.8	1.154	2.087	14.7	17.3
8 19	23 9.89	− 5 26.5	1.125	2.104	9.5	17.1
8 29	23 1.92	− 6 34.2	1.118	2.123	3.9	16.8
9 8	22 53.30	− 7 44.5	1.136	2.142	1.8	16.8
9 18	22 45.35	− 8 48.1	1.177	2.162	7.3	17.2
9 28	22 39.27	− 9 37.4	1.242	2.182	12.2	17.5
10 8	22 35.81	−10 8.0	1.328	2.202	16.3	17.8

153231 2000 YV_{98} 9 5.0 199°.00 3°.1/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.32	+ 4 47.7	2.512	3.300	12.8	20.3
8 9	23 14.03	+ 4 52.3	2.422	3.298	10.4	20.2
8 19	23 8.16	+ 4 43.1	2.354	3.296	7.6	20.0
8 29	23 1.15	+ 4 20.8	2.311	3.294	4.8	19.8
9 8	22 53.60	+ 3 47.8	2.296	3.292	3.1	19.7
9 18	22 46.20	+ 3 7.6	2.309	3.290	4.5	19.8
9 28	22 39.67	+ 2 24.5	2.350	3.287	7.3	20.0
10 8	22 34.58	+ 1 43.2	2.417	3.285	10.1	20.2

349674 2008 WH_{76} 9 5.0 188°.60 0°.9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.96	− 6 42.7	2.176	3.015	12.8	22.4
8 9	23 15.50	− 7 24.0	2.096	3.015	9.8	22.2
8 19	23 9.21	− 8 15.6	2.039	3.014	6.3	22.0
8 29	23 1.60	− 9 13.0	2.008	3.012	2.6	21.8
9 8	22 53.41	−10 10.9	2.006	3.010	1.9	21.7
9 18	22 45.43	−11 3.8	2.032	3.008	5.6	22.0
9 28	22 38.51	−11 46.8	2.086	3.005	9.1	22.2
10 8	22 33.28	−12 16.8	2.164	3.002	12.2	22.4

18406 1993 FT_{14} 9 5.0 247°.48 1°.4/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.96	− 7 41.6	2.171	3.013	12.7	19.3
8 9	23 15.67	− 8 31.1	2.074	2.995	9.8	19.1
8 19	23 9.45	− 9 31.5	2.001	2.977	6.3	18.9
8 29	23 1.76	−10 38.2	1.954	2.958	2.7	18.6
9 8	22 53.31	−11 45.4	1.935	2.938	2.4	18.5
9 18	22 44.95	−12 46.8	1.946	2.918	6.1	18.7
9 28	22 37.55	−13 37.0	1.983	2.897	9.8	18.9
10 8	22 31.87	−14 12.5	2.044	2.876	13.1	19.1

428351 2007 OT_5 9 5.0 43°.02 4°.0/ 7.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 32.54	− 0 35.5	1.286	2.117	20.3	19.9
8 9	23 25.69	+ 0 37.0	1.243	2.148	16.1	19.7
8 19	23 15.97	+ 1 33.0	1.220	2.180	11.3	19.5
8 29	23 4.37	+ 2 11.7	1.220	2.212	6.5	19.3
9 8	22 52.31	+ 2 35.0	1.244	2.245	4.0	19.3
9 18	22 41.23	+ 2 46.4	1.296	2.278	7.0	19.6
9 28	22 32.37	+ 2 51.1	1.372	2.312	11.2	19.9
10 8	22 26.45	+ 2 54.5	1.470	2.346	14.9	20.2

316626 2011 WT_{90} 9 5.0 216°.16 1°.1/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.65	+ 0 51.8	4.576	5.371	7.3	21.0
8 9	23 7.52	+ 0 38.1	4.482	5.369	5.8	20.9
8 19	23 3.61	+ 0 17.6	4.413	5.367	4.0	20.7
8 29	22 59.16	− 0 8.5	4.372	5.365	2.2	20.6
9 8	22 54.48	− 0 38.6	4.360	5.363	1.1	20.5
9 18	22 49.87	− 1 10.6	4.378	5.361	2.5	20.6
9 28	22 45.68	− 1 42.4	4.425	5.359	4.3	20.8
10 8	22 42.18	− 2 11.9	4.500	5.357	6.0	20.9

283050 2008 FX_{22} 9 5.0 5°.12 7°.3/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 21.15	−24 5.3	1.664	2.540	14.4	19.5
8 9	23 16.97	−24 57.8	1.609	2.540	11.4	19.4
8 19	23 10.39	−25 46.5	1.575	2.541	8.7	19.2
8 29	23 2.12	−26 23.2	1.565	2.543	7.3	19.1
9 8	22 53.23	−26 40.8	1.580	2.545	8.2	19.2
9 18	22 44.86	−26 35.2	1.619	2.549	10.8	19.4
9 28	22 38.08	−26 5.8	1.681	2.553	13.7	19.6
10 8	22 33.61	−25 14.9	1.763	2.557	16.4	19.8

452514 2004 RU_{291} 9 5.0 1°.57 4°.0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.21	+ 4 29.3	1.873	2.682	15.7	20.6
8 9	23 14.46	+ 4 53.0	1.793	2.681	12.8	20.4
8 19	23 8.70	+ 5 0.1	1.733	2.681	9.4	20.2
8 29	23 1.44	+ 4 50.6	1.696	2.681	6.0	20.0
9 8	22 53.50	+ 4 26.9	1.685	2.681	4.0	19.8
9 18	22 45.79	+ 3 53.1	1.700	2.683	5.7	20.0
9 28	22 39.24	+ 3 14.8	1.742	2.684	9.0	20.2
10 8	22 34.58	+ 2 37.9	1.807	2.687	12.3	20.4

117550 2005 EU_8 9 5.0 354°.47 3°.3/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.57	− 7 17.8	0.954	1.858	20.0	19.1
8 9	23 10.12	− 8 37.7	0.897	1.851	15.3	18.8
8 19	23 6.61	−10 20.7	0.856	1.846	9.8	18.5
8 29	23 0.74	−12 15.9	0.836	1.842	4.4	18.2
9 8	22 53.79	−14 8.1	0.838	1.840	4.9	18.3
9 18	22 47.29	−15 42.4	0.861	1.839	10.5	18.6
9 28	22 42.74	−16 47.7	0.904	1.840	15.9	18.9
10 8	22 41.15	−17 19.7	0.964	1.842	20.6	19.2