479952 2014 HH_{181} 10 6.9 170°.06 3°.7/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 15.35	− 2 54.4	2.290	3.119	12.4	22.1
9 8	1 11.24	− 3 56.2	2.216	3.122	9.6	21.9
9 18	1 5.35	− 5 3.3	2.165	3.125	6.6	21.8
9 28	0 58.15	− 6 10.2	2.142	3.127	4.1	21.6
10 8	0 50.35	− 7 10.8	2.147	3.129	4.1	21.6
10 18	0 42.71	− 7 59.7	2.181	3.130	6.7	21.8
10 28	0 36.00	− 8 32.9	2.243	3.131	9.6	22.0
11 7	0 30.82	− 8 48.4	2.328	3.131	12.3	22.2

24505 2001 BZ 10 6.9 38°.15 2°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.91	+17 26.3	4.294	5.030	8.5	18.3
9 8	1 6.27	+17 37.6	4.197	5.032	7.0	18.1
9 18	1 1.63	+17 40.5	4.123	5.035	5.3	18.0
9 28	0 56.28	+17 35.1	4.075	5.037	3.5	17.9
10 8	0 50.57	+17 22.6	4.057	5.040	2.3	17.8
10 18	0 44.89	+17 4.5	4.069	5.042	2.7	17.8
10 28	0 39.66	+16 43.1	4.110	5.045	4.2	18.0
11 7	0 35.22	+16 20.8	4.180	5.047	6.0	18.1

195056 2002 CN_{80} 10 6.9 203°.68 0°.7/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.02	+ 3 28.4	4.344	5.148	7.4	20.2
9 8	1 3.97	+ 3 3.3	4.255	5.148	5.7	20.1
9 18	1 0.05	+ 2 33.7	4.191	5.148	3.8	19.9
9 28	0 55.50	+ 2 1.6	4.156	5.147	1.8	19.8
10 8	0 50.66	+ 1 29.1	4.150	5.147	0.9	19.7
10 18	0 45.87	+ 0 58.6	4.176	5.147	2.7	19.9
10 28	0 41.48	+ 0 32.2	4.230	5.147	4.7	20.0
11 7	0 37.82	+ 0 11.9	4.313	5.146	6.5	20.1

401269 2012 BE_{144} 10 6.9 126°.81 4°.5/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.18	+24 20.7	2.754	3.464	13.4	21.2
9 8	1 10.96	+24 24.8	2.668	3.476	11.3	21.0
9 18	1 5.09	+24 11.9	2.602	3.489	9.0	20.9
9 28	0 58.02	+23 41.5	2.560	3.501	6.6	20.8
10 8	0 50.39	+22 55.1	2.545	3.513	4.8	20.7
10 18	0 42.89	+21 55.9	2.559	3.524	4.8	20.7
10 28	0 36.25	+20 49.0	2.602	3.535	6.5	20.8
11 7	0 31.02	+19 40.3	2.673	3.545	8.7	21.0

314638 2006 JQ_{26} 10 7.0 139°.49 1°.6/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.34	+11 3.5	1.632	2.431	17.9	21.1
9 8	1 18.32	+11 6.7	1.558	2.441	14.3	20.9
9 18	1 10.60	+10 53.7	1.504	2.450	10.1	20.7
9 28	1 0.83	+10 25.7	1.473	2.459	5.4	20.4
10 8	0 50.09	+ 9 46.8	1.470	2.467	1.7	20.2
10 18	0 39.62	+ 9 2.8	1.494	2.475	5.2	20.5
10 28	0 30.63	+ 8 20.8	1.545	2.482	9.7	20.8
11 7	0 24.01	+ 7 47.3	1.620	2.488	13.7	21.0

296849 2009 WF_{172} 10 7.0 215°.71 3°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.48	+18 32.7	2.715	3.463	12.7	21.1
9 8	1 9.71	+18 31.4	2.616	3.459	10.5	21.0
9 18	1 4.31	+18 15.6	2.539	3.455	8.0	20.8
9 28	0 57.69	+17 45.4	2.486	3.451	5.3	20.6
10 8	0 50.44	+17 2.7	2.461	3.447	3.2	20.5
10 18	0 43.24	+16 10.9	2.466	3.442	3.9	20.5
10 28	0 36.79	+15 14.6	2.499	3.438	6.4	20.7
11 7	0 31.67	+14 19.4	2.560	3.433	9.1	20.8

188179 2002 JW_{78} 10 7.0 53°.13 1°.9/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.93	+14 55.2	1.985	2.774	15.4	19.9
9 8	1 9.61	+14 23.4	1.920	2.795	12.4	19.7
9 18	1 4.33	+13 33.8	1.875	2.816	8.8	19.5
9 28	0 57.68	+12 28.9	1.855	2.837	5.0	19.3
10 8	0 50.46	+11 13.6	1.862	2.858	1.9	19.2
10 18	0 43.51	+ 9 54.6	1.898	2.880	4.1	19.4
10 28	0 37.67	+ 8 39.1	1.961	2.902	7.7	19.6
11 7	0 33.54	+ 7 33.3	2.050	2.923	11.0	19.9

392054 2009 BC_{167} 10 7.0 79°.44 1°.4/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.21	+ 4 39.1	1.878	2.703	14.9	21.3
9 8	1 11.55	+ 4 0.5	1.806	2.709	11.6	21.1
9 18	1 5.77	+ 3 10.5	1.755	2.715	7.8	20.8
9 28	0 58.43	+ 2 13.4	1.729	2.721	3.7	20.6
10 8	0 50.38	+ 1 15.3	1.731	2.728	1.7	20.5
10 18	0 42.53	+ 0 22.4	1.760	2.734	5.5	20.8
10 28	0 35.81	− 0 19.3	1.817	2.740	9.4	21.0
11 7	0 30.93	− 0 46.0	1.898	2.746	12.9	21.2

281196 2007 ED_{219} 10 7.0 224°.58 0°.2/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.71	+ 7 19.1	1.933	2.741	15.1	21.9
9 8	1 14.43	+ 6 59.1	1.841	2.733	12.0	21.6
9 18	1 7.87	+ 6 26.1	1.770	2.724	8.2	21.4
9 28	0 59.53	+ 5 42.9	1.724	2.715	4.0	21.1
10 8	0 50.25	+ 4 54.1	1.707	2.706	0.6	20.8
10 18	0 41.01	+ 4 5.5	1.717	2.695	5.0	21.2
10 28	0 32.86	+ 3 23.3	1.756	2.685	9.3	21.4
11 7	0 26.61	+ 2 52.6	1.819	2.674	13.0	21.6

356916 2012 BH_{61} 10 7.0 289°.35 1°.0/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.10	+11 50.3	4.288	5.057	8.1	21.2
9 8	1 4.88	+11 44.3	4.184	5.050	6.4	21.1
9 18	1 0.71	+11 31.2	4.105	5.042	4.6	21.0
9 28	0 55.86	+11 11.9	4.053	5.035	2.6	20.8
10 8	0 50.66	+10 48.1	4.031	5.027	1.0	20.7
10 18	0 45.49	+10 21.7	4.039	5.020	2.3	20.8
10 28	0 40.72	+ 9 55.1	4.078	5.012	4.3	20.9
11 7	0 36.70	+ 9 30.7	4.144	5.005	6.2	21.1

448301 2009 BE_{62} 10 7.0 265°.86 5°.2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.31	− 4 3.6	1.919	2.764	13.8	21.3
9 8	1 10.18	− 5 34.3	1.837	2.752	10.8	21.1
9 18	1 4.95	− 7 13.0	1.779	2.740	7.6	20.9
9 28	0 58.10	− 8 51.8	1.746	2.727	5.3	20.7
10 8	0 50.41	−10 22.0	1.741	2.715	5.9	20.7
10 18	0 42.79	−11 35.3	1.763	2.702	8.8	20.9
10 28	0 36.18	−12 26.0	1.811	2.689	12.1	21.1
11 7	0 31.34	−12 51.6	1.880	2.676	15.1	21.2

509592 2008 DF_{25} 10 7.0 184°.78 1°.8/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.53	+ 3 4.5	1.744	2.567	15.9	22.0
9 8	1 15.96	+ 2 34.7	1.665	2.568	12.4	21.8
9 18	1 8.93	+ 1 54.3	1.608	2.567	8.4	21.6
9 28	1 0.03	+ 1 7.5	1.575	2.567	4.0	21.3
10 8	0 50.20	+ 0 20.6	1.570	2.566	2.2	21.2
10 18	0 40.55	− 0 20.2	1.592	2.564	6.2	21.4
10 28	0 32.18	− 0 49.0	1.642	2.562	10.5	21.7
11 7	0 25.94	− 1 2.2	1.715	2.560	14.2	21.9

24226 Sekhsaria 10 7.0 266°.18 0°.0/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.60	+ 7 49.1	2.310	3.115	13.0	19.8
9 8	1 9.99	+ 7 26.3	2.222	3.112	10.3	19.7
9 18	1 4.59	+ 6 52.2	2.155	3.109	7.0	19.5
9 28	0 57.85	+ 6 9.5	2.115	3.106	3.4	19.2
10 8	0 50.44	+ 5 22.2	2.103	3.102	0.4	19.0
10 18	0 43.12	+ 4 35.0	2.120	3.099	4.2	19.3
10 28	0 36.66	+ 3 53.0	2.166	3.096	7.7	19.5
11 7	0 31.70	+ 3 20.4	2.236	3.092	10.9	19.7

288352 2004 BW_{145} 10 7.0 337°.55 12°.1/17.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.44	+32 17.5	1.578	2.287	21.8	20.3
9 8	1 13.19	+33 53.4	1.489	2.275	19.7	20.1
9 18	1 7.85	+35 4.1	1.414	2.263	17.3	19.9
9 28	0 59.84	+35 42.1	1.358	2.253	14.8	19.8
10 8	0 50.19	+35 42.4	1.321	2.243	12.8	19.6
10 18	0 40.33	+35 4.3	1.305	2.234	12.1	19.6
10 28	0 31.88	+33 53.7	1.312	2.227	13.1	19.6
11 7	0 26.15	+32 22.3	1.341	2.220	15.3	19.7

248368 2005 QO_{170} 10 7.0 82°.19 5°.9/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.14	+25 9.3	2.137	2.856	16.5	20.4
9 8	1 13.76	+25 35.3	2.064	2.876	14.1	20.3
9 18	1 7.23	+25 40.5	2.010	2.896	11.3	20.1
9 28	0 59.13	+25 23.3	1.978	2.915	8.5	20.0
10 8	0 50.31	+24 44.8	1.971	2.934	6.3	19.9
10 18	0 41.72	+23 48.9	1.992	2.954	6.2	19.9
10 28	0 34.30	+22 41.9	2.040	2.973	8.0	20.1
11 7	0 28.76	+21 31.6	2.115	2.991	10.5	20.3

238882 2005 YY_{42} 10 7.0 90°.85 6°.9/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.15	+27 2.6	1.920	2.631	18.3	20.6
9 8	1 16.35	+27 31.7	1.852	2.656	15.7	20.4
9 18	1 9.09	+27 36.7	1.802	2.680	12.8	20.3
9 28	1 0.05	+27 15.3	1.774	2.704	9.7	20.1
10 8	0 50.21	+26 28.5	1.770	2.728	7.4	20.1
10 18	0 40.71	+25 20.8	1.793	2.751	7.1	20.1
10 28	0 32.62	+24 0.0	1.843	2.773	8.9	20.2
11 7	0 26.71	+22 35.5	1.919	2.795	11.5	20.5

358992 2008 SG_{275} 10 7.0 301°.07 1°.6/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.53	+15 40.1	4.348	5.099	8.2	21.4
9 8	1 4.44	+15 33.9	4.248	5.097	6.7	21.3
9 18	1 0.41	+15 19.5	4.171	5.094	4.9	21.2
9 28	0 55.72	+14 57.4	4.120	5.091	3.1	21.0
10 8	0 50.69	+14 29.3	4.099	5.089	1.7	20.9
10 18	0 45.70	+13 56.9	4.108	5.086	2.4	21.0
10 28	0 41.12	+13 22.8	4.147	5.084	4.1	21.1
11 7	0 37.29	+12 49.6	4.214	5.081	5.9	21.2

364607 2007 RJ_{267} 10 7.0 46°.22 2°.9/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.30	+ 4 3.8	1.058	1.921	21.2	20.4
9 8	1 13.65	+ 3 4.1	1.013	1.938	16.4	20.1
9 18	1 7.74	+ 1 47.3	0.985	1.955	10.9	19.9
9 28	0 59.48	+ 0 22.1	0.978	1.972	5.2	19.7
10 8	0 50.29	− 0 59.6	0.995	1.990	3.5	19.6
10 18	0 41.69	− 2 6.6	1.035	2.009	8.4	20.0
10 28	0 35.07	− 2 50.5	1.099	2.028	13.5	20.3
11 7	0 31.28	− 3 8.1	1.182	2.048	17.8	20.6

319116 2005 XF_{63} 10 7.0 202°.86 1°.4/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.41	+12 28.5	2.543	3.323	12.7	22.1
9 8	1 10.48	+12 15.9	2.449	3.320	10.2	21.9
9 18	1 4.86	+11 50.7	2.378	3.318	7.2	21.7
9 28	0 57.97	+11 14.3	2.332	3.315	4.0	21.5
10 8	0 50.45	+10 29.6	2.314	3.311	1.4	21.3
10 18	0 42.99	+ 9 40.6	2.327	3.308	3.6	21.5
10 28	0 36.33	+ 8 52.4	2.368	3.304	6.8	21.7
11 7	0 31.07	+ 8 9.5	2.436	3.300	9.8	21.9

348001 2003 SY_{213} 10 7.0 322°.95 0°.0/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.76	+ 6 57.4	1.495	2.329	17.5	20.9
9 8	1 12.10	+ 6 55.3	1.405	2.311	14.0	20.7
9 18	1 6.73	+ 6 38.9	1.334	2.294	9.7	20.4
9 28	0 59.15	+ 6 10.6	1.286	2.278	4.8	20.0
10 8	0 50.30	+ 5 35.1	1.263	2.262	0.5	19.7
10 18	0 41.41	+ 4 58.7	1.266	2.247	5.9	20.0
10 28	0 33.79	+ 4 28.9	1.293	2.232	10.9	20.3
11 7	0 28.47	+ 4 11.5	1.343	2.219	15.4	20.5

477303 2009 SY_{222} 10 7.0 170°.69 2°.6/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.85	+13 44.8	1.742	2.532	17.2	21.8
9 8	1 15.57	+13 49.8	1.659	2.534	14.0	21.6
9 18	1 8.76	+13 37.4	1.596	2.536	10.1	21.4
9 28	0 59.99	+13 7.9	1.556	2.537	5.9	21.1
10 8	0 50.22	+12 24.6	1.543	2.538	2.6	20.9
10 18	0 40.59	+11 33.0	1.557	2.539	5.0	21.1
10 28	0 32.26	+10 40.4	1.599	2.539	9.2	21.4
11 7	0 26.09	+ 9 54.1	1.665	2.539	13.1	21.6

322546 2011 YP_{35} 10 7.0 310°.16 1°.4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.40	+ 0 5.9	4.079	4.894	7.7	20.5
9 8	1 4.36	− 0 22.1	3.988	4.887	5.9	20.4
9 18	1 0.37	− 0 53.5	3.922	4.881	3.9	20.3
9 28	0 55.71	− 1 26.2	3.884	4.874	2.0	20.1
10 8	0 50.71	− 1 57.6	3.876	4.868	1.6	20.1
10 18	0 45.76	− 2 25.5	3.898	4.861	3.4	20.2
10 28	0 41.24	− 2 47.3	3.950	4.855	5.4	20.4
11 7	0 37.48	− 3 1.6	4.028	4.849	7.2	20.5

221734 2007 ES_{85} 10 7.0 129°.10 1°.5/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.48	+13 34.4	2.803	3.572	11.9	21.6
9 8	1 10.26	+13 19.1	2.721	3.585	9.5	21.5
9 18	1 4.55	+12 51.7	2.662	3.597	6.8	21.3
9 28	0 57.76	+12 13.7	2.629	3.609	3.9	21.1
10 8	0 50.49	+11 28.1	2.625	3.621	1.6	21.0
10 18	0 43.36	+10 38.5	2.652	3.632	3.3	21.1
10 28	0 37.01	+ 9 49.4	2.708	3.643	6.1	21.3
11 7	0 31.94	+ 9 4.9	2.791	3.654	8.8	21.5

158056 2000 SD_{250} 10 7.0 345°.63 2°.9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.73	+ 1 30.6	1.386	2.238	17.7	19.9
9 8	1 12.05	+ 0 56.8	1.313	2.233	13.8	19.6
9 18	1 6.60	+ 0 11.3	1.260	2.227	9.3	19.4
9 28	0 59.02	− 0 39.9	1.230	2.223	4.7	19.1
10 8	0 50.34	− 1 29.0	1.224	2.219	3.3	19.0
10 18	0 41.84	− 2 8.0	1.244	2.216	7.6	19.2
10 28	0 34.79	− 2 30.3	1.288	2.213	12.3	19.5
11 7	0 30.12	− 2 32.3	1.353	2.212	16.4	19.8

263035 2007 GF_{4} 10 7.0 155°.47 6°.4/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.74	−20 29.3	3.226	4.038	9.5	21.3
9 8	1 11.76	−21 29.5	3.173	4.047	8.0	21.2
9 18	1 5.42	−22 23.8	3.145	4.055	6.8	21.1
9 28	0 58.13	−23 7.1	3.144	4.063	6.4	21.1
10 8	0 50.46	−23 35.7	3.170	4.070	6.9	21.2
10 18	0 42.97	−23 46.9	3.224	4.077	8.1	21.3
10 28	0 36.25	−23 39.9	3.303	4.083	9.6	21.4
11 7	0 30.74	−23 15.6	3.403	4.089	11.0	21.5

144497 2004 EO_{67} 10 7.0 90°.59 1°.1/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.38	+10 30.3	2.000	2.799	15.0	20.9
9 8	1 12.40	+10 21.2	1.922	2.806	11.9	20.7
9 18	1 6.34	+ 9 58.4	1.865	2.813	8.4	20.5
9 28	0 58.73	+ 9 23.7	1.832	2.819	4.4	20.3
10 8	0 50.38	+ 8 41.1	1.827	2.825	1.1	20.0
10 18	0 42.21	+ 7 55.5	1.851	2.832	4.3	20.3
10 28	0 35.12	+ 7 12.9	1.902	2.838	8.2	20.5
11 7	0 29.82	+ 6 38.5	1.978	2.844	11.6	20.8

139087 2001 FW_{26} 10 7.0 167°.12 2°.4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.95	+11 59.4	1.792	2.579	16.9	19.8
9 8	1 18.71	+12 21.5	1.709	2.582	13.7	19.6
9 18	1 10.87	+12 29.2	1.645	2.585	9.9	19.4
9 28	1 1.02	+12 22.6	1.606	2.588	5.7	19.1
10 8	0 50.14	+12 3.8	1.595	2.590	2.4	18.9
10 18	0 39.38	+11 37.0	1.611	2.592	5.0	19.1
10 28	0 29.95	+11 8.2	1.656	2.593	9.1	19.4
11 7	0 22.75	+10 43.4	1.725	2.593	13.0	19.6

494203 2016 HB_{10} 10 7.0 73°.38 3°.5/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 18.76	+ 1 43.9	1.264	2.115	19.1	21.1
9 8	1 15.16	+ 0 44.2	1.210	2.129	14.8	20.9
9 18	1 8.61	− 0 28.6	1.176	2.143	9.9	20.7
9 28	0 59.89	− 1 46.1	1.164	2.157	5.1	20.4
10 8	0 50.27	− 2 58.2	1.178	2.170	4.1	20.4
10 18	0 41.13	− 3 55.4	1.217	2.184	8.3	20.7
10 28	0 33.76	− 4 30.9	1.279	2.198	12.9	21.0
11 7	0 28.99	− 4 42.2	1.363	2.212	16.9	21.3

438327 2006 KF_{52} 10 7.0 150°.47 0°.3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.35	+ 7 56.1	2.167	2.971	13.9	22.4
9 8	1 12.16	+ 7 18.0	2.088	2.978	10.9	22.3
9 18	1 6.06	+ 6 27.4	2.031	2.985	7.4	22.0
9 28	0 58.57	+ 5 27.6	2.001	2.991	3.5	21.8
10 8	0 50.42	+ 4 23.6	1.998	2.997	0.6	21.6
10 18	0 42.44	+ 3 21.2	2.026	3.003	4.5	21.9
10 28	0 35.47	+ 2 26.4	2.081	3.008	8.2	22.2
11 7	0 30.15	+ 1 43.5	2.163	3.012	11.5	22.4

24353 Patrickhsu 10 7.0 275°.29 1°.8/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.15	+14 28.6	2.325	3.107	13.7	19.4
9 8	1 8.96	+14 3.9	2.227	3.097	11.1	19.2
9 18	1 3.97	+13 23.3	2.150	3.088	8.0	19.0
9 28	0 57.60	+12 28.0	2.098	3.079	4.6	18.7
10 8	0 50.52	+11 21.8	2.073	3.069	1.8	18.5
10 18	0 43.47	+10 9.8	2.078	3.060	3.9	18.7
10 28	0 37.27	+ 8 58.3	2.112	3.050	7.3	18.9
11 7	0 32.54	+ 7 53.4	2.171	3.041	10.6	19.1

355562 2008 CA_{33} 10 7.0 135°.54 3°.1/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.31	− 0 34.7	2.090	2.923	13.3	20.9
9 8	1 10.64	− 1 29.4	2.016	2.925	10.3	20.7
9 18	1 5.07	− 2 31.3	1.965	2.927	6.9	20.5
9 28	0 58.10	− 3 35.2	1.940	2.929	3.9	20.3
10 8	0 50.47	− 4 34.7	1.943	2.931	3.6	20.3
10 18	0 43.00	− 5 24.0	1.974	2.933	6.5	20.5
10 28	0 36.53	− 5 58.3	2.032	2.935	9.8	20.7
11 7	0 31.69	− 6 15.3	2.114	2.936	12.7	20.9

36975 2000 SR_{313} 10 7.0 345°.98 6°.7/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.45	+25 50.3	2.052	2.776	17.0	19.3
9 8	1 12.02	+26 26.5	1.961	2.773	14.7	19.1
9 18	1 6.31	+26 41.7	1.888	2.772	12.0	18.9
9 28	0 58.82	+26 33.3	1.836	2.770	9.3	18.7
10 8	0 50.38	+26 1.2	1.809	2.769	7.2	18.6
10 18	0 41.97	+25 8.2	1.808	2.767	6.9	18.6
10 28	0 34.64	+24 0.6	1.834	2.766	8.7	18.7
11 7	0 29.21	+22 46.8	1.885	2.766	11.4	18.9

236493 2006 GF_{12} 10 7.0 347°.81 3°.3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.52	+ 0 8.1	1.354	2.211	17.8	19.7
9 8	1 11.95	− 0 21.5	1.283	2.204	13.9	19.5
9 18	1 6.58	− 1 1.0	1.230	2.198	9.4	19.2
9 28	0 59.03	− 1 44.4	1.200	2.193	4.9	18.9
10 8	0 50.36	− 2 24.0	1.195	2.188	3.8	18.8
10 18	0 41.87	− 2 52.1	1.214	2.185	7.9	19.1
10 28	0 34.85	− 3 2.7	1.257	2.182	12.6	19.3
11 7	0 30.26	− 2 53.0	1.321	2.180	16.7	19.6

260004 2004 FX_{118} 10 7.0 243°.93 2°.2/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.59	+ 2 11.3	1.792	2.617	15.5	21.1
9 8	1 15.34	+ 1 39.4	1.701	2.604	12.1	20.9
9 18	1 8.63	+ 0 57.0	1.630	2.591	8.2	20.6
9 28	0 59.97	+ 0 8.5	1.585	2.577	4.1	20.3
10 8	0 50.25	− 0 39.8	1.568	2.563	2.6	20.2
10 18	0 40.55	− 1 21.5	1.578	2.548	6.5	20.4
10 28	0 32.00	− 1 50.5	1.615	2.532	10.8	20.6
11 7	0 25.51	− 2 3.0	1.675	2.517	14.6	20.8

325761 2009 WH_{249} 10 7.0 326°.65 0°.5/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.00	+ 4 42.4	2.214	3.027	13.3	20.7
9 8	1 11.95	+ 4 37.0	2.127	3.022	10.4	20.5
9 18	1 5.97	+ 4 23.2	2.062	3.018	7.1	20.3
9 28	0 58.56	+ 4 3.5	2.023	3.014	3.4	20.1
10 8	0 50.42	+ 3 41.4	2.012	3.011	0.8	19.8
10 18	0 42.37	+ 3 20.9	2.030	3.007	4.5	20.1
10 28	0 35.24	+ 3 6.1	2.076	3.004	8.2	20.3
11 7	0 29.71	+ 3 0.1	2.147	3.000	11.4	20.5

138396 2000 HV_{7} 10 7.0 230°.07 3°.0/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.18	− 1 37.5	2.107	2.933	13.4	20.0
9 8	1 13.72	− 2 6.9	2.023	2.928	10.5	19.8
9 18	1 7.22	− 2 41.8	1.962	2.922	7.1	19.6
9 28	0 59.17	− 3 17.8	1.927	2.916	3.9	19.4
10 8	0 50.36	− 3 49.6	1.920	2.909	3.3	19.4
10 18	0 41.65	− 4 12.5	1.941	2.903	6.3	19.5
10 28	0 33.96	− 4 22.5	1.990	2.896	9.7	19.7
11 7	0 27.99	− 4 17.6	2.063	2.889	12.9	19.9

43315 2000 JB_{18} 10 7.0 250°.13 1°.9/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.28	+ 3 51.8	1.767	2.593	15.6	19.4
9 8	1 13.56	+ 3 10.7	1.676	2.581	12.2	19.1
9 18	1 7.42	+ 2 16.8	1.607	2.568	8.3	18.9
9 28	0 59.39	+ 1 14.6	1.563	2.555	4.0	18.6
10 8	0 50.33	+ 0 10.7	1.546	2.542	2.3	18.4
10 18	0 41.30	− 0 47.4	1.556	2.528	6.4	18.7
10 28	0 33.41	− 1 32.9	1.594	2.514	10.7	18.9
11 7	0 27.54	− 2 0.9	1.654	2.500	14.6	19.1

92033 1999 VG_{179} 10 7.0 304°.20 6°.0/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.47	− 8 55.5	2.069	2.917	12.8	19.3
9 8	1 9.36	−10 14.5	1.993	2.905	10.2	19.1
9 18	1 4.30	−11 35.9	1.940	2.894	7.6	18.9
9 28	0 57.78	−12 52.4	1.913	2.883	6.1	18.8
10 8	0 50.52	−13 56.4	1.913	2.873	6.8	18.8
10 18	0 43.35	−14 41.8	1.939	2.862	9.1	18.9
10 28	0 37.14	−15 4.7	1.990	2.851	11.9	19.1
11 7	0 32.56	−15 4.3	2.062	2.841	14.5	19.3

256538 2007 GV_{9} 10 7.0 290°.87 3°.0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.25	− 1 46.9	2.180	3.010	12.9	20.1
9 8	1 11.34	− 2 22.3	2.099	3.007	10.0	19.9
9 18	1 5.55	− 3 3.0	2.042	3.003	6.8	19.7
9 28	0 58.35	− 3 44.6	2.010	2.999	3.8	19.6
10 8	0 50.46	− 4 21.7	2.007	2.995	3.4	19.5
10 18	0 42.70	− 4 49.7	2.032	2.992	6.2	19.7
10 28	0 35.88	− 5 4.7	2.084	2.988	9.4	19.9
11 7	0 30.66	− 5 4.6	2.160	2.985	12.4	20.1

485863 2012 FX_{6} 10 7.0 214°.18 2°.9/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.96	+16 11.7	2.474	3.235	13.5	22.2
9 8	1 11.82	+16 21.8	2.378	3.232	11.1	22.0
9 18	1 5.86	+16 18.0	2.304	3.229	8.2	21.8
9 28	0 58.51	+16 0.5	2.255	3.226	5.2	21.6
10 8	0 50.44	+15 31.0	2.233	3.222	3.0	21.5
10 18	0 42.42	+14 52.8	2.241	3.219	4.0	21.6
10 28	0 35.23	+14 10.7	2.277	3.215	6.9	21.7
11 7	0 29.54	+13 29.8	2.340	3.211	9.9	21.9

117605 2005 EF_{86} 10 7.0 80°.82 3°.6/ 4.2 17 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.93	+ 1 5.6	1.403	2.248	17.9	19.4
9 8	1 14.97	+ 0 2.8	1.350	2.265	13.8	19.2
9 18	1 8.31	− 1 11.1	1.317	2.283	9.3	19.0
9 28	0 59.71	− 2 28.2	1.309	2.300	4.9	18.8
10 8	0 50.33	− 3 39.1	1.326	2.317	4.1	18.8
10 18	0 41.42	− 4 35.3	1.369	2.334	8.0	19.1
10 28	0 34.13	− 5 10.9	1.437	2.350	12.2	19.4
11 7	0 29.24	− 5 23.4	1.526	2.367	15.9	19.7

103684 2000 CF_{65} 10 7.0 145°.16 2°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.31	+ 2 35.6	1.744	2.573	15.7	20.3
9 8	1 14.15	+ 1 46.7	1.673	2.579	12.2	20.1
9 18	1 7.64	+ 0 46.8	1.623	2.585	8.2	19.9
9 28	0 59.40	− 0 18.6	1.599	2.590	4.0	19.7
10 8	0 50.36	− 1 22.5	1.601	2.596	2.8	19.6
10 18	0 41.56	− 2 17.5	1.632	2.600	6.5	19.8
10 28	0 34.03	− 2 57.8	1.689	2.605	10.6	20.1
11 7	0 28.54	− 3 19.9	1.770	2.609	14.1	20.3

476661 2008 TB_{8} 10 7.0 6°.45 2°.2/ 5.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.52	+ 0 57.8	1.197	2.055	19.5	21.1
9 8	1 14.57	+ 1 2.2	1.134	2.055	15.3	20.9
9 18	1 8.48	+ 0 57.6	1.089	2.057	10.4	20.6
9 28	0 59.97	+ 0 48.5	1.066	2.060	5.1	20.3
10 8	0 50.29	+ 0 41.1	1.067	2.064	2.6	20.2
10 18	0 40.93	+ 0 41.2	1.091	2.069	7.4	20.5
10 28	0 33.33	+ 0 53.6	1.140	2.075	12.5	20.8
11 7	0 28.49	+ 1 20.9	1.209	2.083	16.9	21.1

328678 2009 SY_{311} 10 7.0 71°.83 1°.2/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.46	+ 6 49.9	1.419	2.252	18.4	20.8
9 8	1 13.85	+ 6 1.7	1.362	2.269	14.3	20.6
9 18	1 7.58	+ 4 57.0	1.324	2.286	9.6	20.3
9 28	0 59.38	+ 3 41.4	1.310	2.303	4.5	20.1
10 8	0 50.37	+ 2 23.5	1.322	2.320	1.6	19.9
10 18	0 41.79	+ 1 12.3	1.361	2.337	6.3	20.3
10 28	0 34.78	+ 0 15.9	1.424	2.354	11.0	20.6
11 7	0 30.12	− 0 20.8	1.511	2.371	14.9	20.9

216408 2008 FT_{73} 10 7.0 273°.12 1°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.85	+ 2 22.4	3.258	4.071	9.4	20.7
9 8	1 6.57	+ 1 44.9	3.158	4.056	7.3	20.6
9 18	1 2.04	+ 1 1.2	3.082	4.041	4.9	20.4
9 28	0 56.59	+ 0 14.1	3.034	4.026	2.4	20.2
10 8	0 50.67	− 0 33.0	3.016	4.011	1.6	20.1
10 18	0 44.76	− 1 16.5	3.028	3.995	3.9	20.3
10 28	0 39.40	− 1 53.0	3.069	3.980	6.5	20.4
11 7	0 35.03	− 2 20.0	3.136	3.965	8.8	20.6

239160 2006 KY_{17} 10 7.0 62°.16 5°.8/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.01	− 5 1.5	1.688	2.540	15.0	19.9
9 8	1 10.83	− 6 34.5	1.628	2.546	11.7	19.7
9 18	1 5.40	− 8 13.1	1.591	2.553	8.3	19.5
9 28	0 58.32	− 9 48.3	1.579	2.559	6.0	19.4
10 8	0 50.50	−11 10.7	1.594	2.566	6.6	19.5
10 18	0 42.95	−12 12.5	1.635	2.572	9.4	19.6
10 28	0 36.64	−12 49.0	1.700	2.579	12.7	19.9
11 7	0 32.28	−12 59.2	1.786	2.586	15.6	20.1

426047 2011 WV_{100} 10 7.0 232°.10 0°.7/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.06	+ 7 25.5	1.300	2.137	19.5	21.5
9 8	1 14.89	+ 6 53.1	1.227	2.136	15.4	21.2
9 18	1 8.68	+ 6 1.8	1.173	2.135	10.6	21.0
9 28	1 0.10	+ 4 55.9	1.142	2.134	5.0	20.7
10 8	0 50.30	+ 3 43.5	1.135	2.133	1.1	20.4
10 18	0 40.72	+ 2 34.2	1.153	2.133	6.7	20.8
10 28	0 32.77	+ 1 37.8	1.196	2.132	12.1	21.1
11 7	0 27.47	+ 1 0.9	1.261	2.131	16.7	21.3

432992 2012 PO_{34} 10 7.0 74°.32 2°.8/ 4.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.67	+ 2 1.0	1.506	2.345	17.2	20.8
9 8	1 14.57	+ 1 8.5	1.453	2.365	13.3	20.7
9 18	1 7.94	+ 0 5.3	1.421	2.385	8.9	20.4
9 28	0 59.51	− 1 2.1	1.413	2.404	4.4	20.2
10 8	0 50.38	− 2 5.3	1.431	2.424	3.3	20.2
10 18	0 41.70	− 2 56.8	1.476	2.444	7.1	20.5
10 28	0 34.55	− 3 30.9	1.547	2.464	11.2	20.8
11 7	0 29.66	− 3 45.0	1.640	2.483	14.8	21.1

406712 2008 FQ_{78} 10 7.0 91°.42 0°.4/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.76	+ 9 27.7	2.332	3.127	13.3	22.3
9 8	1 11.47	+ 9 1.8	2.265	3.148	10.4	22.1
9 18	1 5.46	+ 8 24.2	2.220	3.169	7.1	22.0
9 28	0 58.24	+ 7 37.6	2.201	3.190	3.6	21.8
10 8	0 50.53	+ 6 46.2	2.211	3.210	0.4	21.5
10 18	0 43.05	+ 5 54.7	2.251	3.231	3.9	21.9
10 28	0 36.55	+ 5 8.1	2.319	3.250	7.2	22.1
11 7	0 31.56	+ 4 30.6	2.414	3.270	10.2	22.3

688 Melanie 10 7.0 47°.33 2°.5/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.76	+ 4 21.6	1.598	2.438	16.3	14.4
9 8	1 9.95	+ 3 7.1	1.537	2.450	12.6	14.2
9 18	1 4.83	+ 1 38.5	1.497	2.463	8.4	14.0
9 28	0 58.05	+ 0 2.8	1.482	2.475	4.1	13.8
10 8	0 50.54	− 1 30.9	1.494	2.488	3.0	13.7
10 18	0 43.34	− 2 53.6	1.533	2.502	6.8	14.0
10 28	0 37.43	− 3 57.8	1.597	2.515	10.9	14.3
11 7	0 33.51	− 4 39.6	1.685	2.529	14.4	14.6

251551 2009 CJ_{31} 10 7.0 51°.27 0°.1/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.98	+ 6 17.9	1.130	1.974	21.4	20.1
9 8	1 18.01	+ 6 19.5	1.080	1.992	16.8	19.9
9 18	1 10.71	+ 6 5.0	1.047	2.010	11.5	19.6
9 28	1 0.98	+ 5 38.2	1.036	2.028	5.5	19.4
10 8	0 50.24	+ 5 5.7	1.048	2.047	0.7	19.1
10 18	0 40.11	+ 4 35.1	1.085	2.067	6.6	19.6
10 28	0 32.03	+ 4 13.8	1.146	2.087	11.9	19.9
11 7	0 26.92	+ 4 6.8	1.229	2.106	16.4	20.2

312801 2010 WO_{66} 10 7.0 258°.40 0°.9/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.21	+ 2 3.5	4.500	5.307	7.1	21.2
9 8	1 4.14	+ 1 39.8	4.406	5.301	5.5	21.1
9 18	1 0.21	+ 1 12.3	4.339	5.296	3.7	21.0
9 28	0 55.66	+ 0 43.0	4.299	5.290	1.8	20.8
10 8	0 50.82	+ 0 13.8	4.290	5.285	1.1	20.7
10 18	0 46.01	− 0 13.1	4.311	5.279	2.8	20.9
10 28	0 41.59	− 0 35.5	4.361	5.273	4.7	21.0
11 7	0 37.86	− 0 51.8	4.439	5.268	6.4	21.1

58780 1998 FL_{70} 10 7.0 223°.37 0°.9/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.95	+ 5 2.7	1.667	2.487	16.6	19.2
9 8	1 16.57	+ 4 46.2	1.581	2.481	13.2	18.9
9 18	1 9.56	+ 4 17.4	1.516	2.474	9.0	18.7
9 28	1 0.47	+ 3 39.8	1.476	2.467	4.3	18.4
10 8	0 50.29	+ 2 58.6	1.462	2.460	1.3	18.2
10 18	0 40.20	+ 2 20.2	1.476	2.452	5.9	18.5
10 28	0 31.41	+ 1 51.0	1.516	2.444	10.6	18.7
11 7	0 24.85	+ 1 35.7	1.580	2.436	14.6	18.9

391221 2006 HP_{147} 10 7.0 269°.90 1°.3/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.65	+ 3 31.8	1.809	2.633	15.4	21.2
9 8	1 14.52	+ 3 18.4	1.724	2.626	12.1	21.0
9 18	1 8.01	+ 2 55.3	1.660	2.620	8.2	20.8
9 28	0 59.68	+ 2 25.8	1.621	2.613	3.9	20.5
10 8	0 50.38	+ 1 54.8	1.609	2.606	1.6	20.3
10 18	0 41.18	+ 1 27.7	1.625	2.600	5.7	20.6
10 28	0 33.15	+ 1 9.7	1.667	2.593	9.9	20.8
11 7	0 27.11	+ 1 4.4	1.734	2.586	13.7	21.0

68785 2002 FS_{11} 10 7.0 138°.19 0°.0/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.81	+ 9 6.4	2.515	3.313	12.3	19.9
9 8	1 9.17	+ 8 22.1	2.433	3.319	9.7	19.8
9 18	1 3.94	+ 7 25.7	2.374	3.326	6.6	19.6
9 28	0 57.55	+ 6 20.5	2.342	3.332	3.2	19.4
10 8	0 50.62	+ 5 10.9	2.339	3.338	0.4	19.1
10 18	0 43.83	+ 4 2.2	2.366	3.344	3.9	19.5
10 28	0 37.86	+ 2 59.7	2.422	3.349	7.2	19.7
11 7	0 33.25	+ 2 7.8	2.504	3.354	10.1	19.9

479708 2014 DU_{119} 10 7.0 35°.09 3°.0/ 4.3 18

8 29	1 14.42	+ 1 31.5	1.634	2.477	15.9	20.9
9 8	1 11.27	+ 0 36.1	1.567	2.481	12.3	20.7
9 18	1 5.77	− 0 30.1	1.521	2.486	8.3	20.5
9 28	0 58.55	− 1 40.8	1.500	2.492	4.3	20.2
10 8	0 50.51	− 2 48.0	1.505	2.497	3.5	20.2
10 18	0 42.73	− 3 44.2	1.537	2.503	7.1	20.4
10 28	0 36.21	− 4 23.3	1.594	2.509	11.1	20.7
11 7	0 31.71	− 4 42.0	1.673	2.515	14.6	20.9

346631 2008 WK_{133} 10 7.0 10°.01 11°.7/29.4 18

8 29	1 17.58	−17 55.5	1.205	2.073	18.8	19.2
9 8	1 14.52	−19 7.4	1.161	2.075	15.7	19.1
9 18	1 8.31	−20 9.2	1.136	2.079	13.0	18.9
9 28	0 59.82	−20 48.4	1.132	2.084	11.7	18.9
10 8	0 50.39	−20 55.5	1.149	2.090	12.5	18.9
10 18	0 41.52	−20 26.3	1.188	2.098	14.8	19.1
10 28	0 34.54	−19 21.9	1.247	2.106	17.7	19.3
11 7	0 30.30	−17 48.2	1.323	2.116	20.4	19.6

148251 2000 EA_{145} 10 7.0 111°.10 2°.4/ 9.1 18

8 29	1 21.79	+13 24.0	1.796	2.581	17.0	20.5
9 8	1 16.84	+13 30.4	1.725	2.597	13.7	20.3
9 18	1 9.47	+13 20.2	1.674	2.613	9.8	20.1
9 28	1 0.31	+12 54.2	1.647	2.628	5.7	19.9
10 8	0 50.33	+12 15.9	1.648	2.643	2.5	19.8
10 18	0 40.65	+11 30.5	1.676	2.657	4.7	20.0
10 28	0 32.33	+10 44.7	1.733	2.671	8.7	20.2
11 7	0 26.14	+10 5.0	1.814	2.685	12.3	20.5

444179 2005 QV_{40} 10 7.0 27°.85 9°.7/15.4 15

8 29	1 19.29	+27 24.4	1.510	2.247	21.6	21.0
9 8	1 15.78	+28 53.9	1.449	2.264	18.8	20.8
9 18	1 9.25	+29 57.4	1.404	2.281	15.7	20.7
9 28	1 0.37	+30 29.4	1.378	2.300	12.6	20.6
10 8	0 50.32	+30 28.1	1.374	2.320	10.3	20.5
10 18	0 40.53	+29 55.9	1.394	2.341	9.8	20.5
10 28	0 32.40	+29 0.9	1.437	2.362	11.3	20.7
11 7	0 26.93	+27 54.1	1.503	2.385	13.7	20.9

312834 2011 TS_{13} 10 7.0 328°.53 1°.2/ 8.1 18

8 29	1 15.41	+10 6.9	1.752	2.564	16.3	20.9
9 8	1 12.13	+10 6.7	1.665	2.557	13.1	20.7
9 18	1 6.48	+ 9 51.7	1.599	2.550	9.2	20.5
9 28	0 58.97	+ 9 23.4	1.556	2.543	4.9	20.2
10 8	0 50.47	+ 8 45.7	1.539	2.537	1.2	19.9
10 18	0 42.04	+ 8 3.9	1.549	2.531	4.8	20.2
10 28	0 34.76	+ 7 24.6	1.586	2.526	9.2	20.4
11 7	0 29.48	+ 6 53.9	1.647	2.521	13.2	20.7

479601 2014 DU_{9} 10 7.0 104°.13 5°.9/30.8 17

8 29	1 16.04	− 7 5.0	1.877	2.721	14.1	21.3
9 8	1 12.12	− 8 36.3	1.823	2.735	11.0	21.2
9 18	1 6.11	−10 10.3	1.792	2.748	8.0	21.0
9 28	0 58.63	−11 38.4	1.787	2.761	6.1	20.9
10 8	0 50.53	−12 52.5	1.809	2.774	6.7	21.0
10 18	0 42.73	−13 46.2	1.859	2.787	9.1	21.2
10 28	0 36.12	−14 15.9	1.933	2.799	12.0	21.4
11 7	0 31.34	−14 21.3	2.029	2.811	14.6	21.6

102866 1999 WA_{5} 10 7.0 346°.64 5°.9/ 2.9 18

8 29	1 5.28	− 1 11.3	0.914	1.812	20.7	18.0
9 8	1 5.83	− 2 12.2	0.850	1.795	16.3	17.7
9 18	1 3.06	− 3 28.5	0.804	1.781	11.2	17.4
9 28	0 57.58	− 4 49.4	0.776	1.768	6.7	17.1
10 8	0 50.62	− 6 1.0	0.769	1.758	6.7	17.1
10 18	0 43.79	− 6 50.1	0.782	1.750	11.4	17.3
10 28	0 38.76	− 7 7.3	0.814	1.745	16.7	17.6
11 7	0 36.66	− 6 50.1	0.862	1.742	21.5	17.8

35599 1998 HV_{120} 10 7.0 80°.91 5°.3/ 1.6 18

8 29	1 15.75	− 8 7.1	2.091	2.930	13.0	18.8
9 8	1 11.73	− 9 4.9	2.028	2.937	10.2	18.6
9 18	1 5.79	−10 3.8	1.988	2.943	7.4	18.5
9 28	0 58.48	−10 57.4	1.975	2.950	5.5	18.4
10 8	0 50.55	−11 39.4	1.988	2.956	5.9	18.4
10 18	0 42.86	−12 5.0	2.029	2.962	8.1	18.6
10 28	0 36.22	−12 11.6	2.095	2.969	10.9	18.8
11 7	0 31.26	−11 58.6	2.184	2.975	13.4	18.9

150335 1999 VD_{221} 10 7.0 15°.10 0°.3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.41	+ 6 39.7	2.097	2.910	13.9	20.4
9 8	1 10.81	+ 6 19.3	2.016	2.911	10.9	20.2
9 18	1 5.26	+ 5 47.8	1.956	2.912	7.4	20.0
9 28	0 58.28	+ 5 8.1	1.922	2.913	3.6	19.8
10 8	0 50.58	+ 4 24.6	1.916	2.915	0.6	19.5
10 18	0 43.02	+ 3 42.4	1.938	2.916	4.6	19.9
10 28	0 36.43	+ 3 6.7	1.988	2.918	8.3	20.1
11 7	0 31.49	+ 2 41.6	2.062	2.919	11.6	20.3

233915 2009 RE_{73} 10 7.0 292°.31 0°.5/ 8.0 18

8 29	1 7.10	+10 0.4	4.275	5.055	7.9	20.4
9 8	1 4.13	+ 9 41.7	4.177	5.051	6.2	20.3
9 18	1 0.25	+ 9 16.2	4.104	5.048	4.3	20.2
9 28	0 55.72	+ 8 45.1	4.058	5.044	2.3	20.0
10 8	0 50.86	+ 8 10.6	4.042	5.040	0.5	19.8
10 18	0 46.04	+ 7 34.7	4.056	5.037	2.3	20.0
10 28	0 41.63	+ 7 0.2	4.101	5.033	4.3	20.2
11 7	0 37.95	+ 6 29.3	4.174	5.029	6.3	20.3

473366 2015 TE_{304} 10 7.0 222°.54 4°.8/ 1.8 18

8 29	1 15.19	− 7 31.2	2.283	3.119	12.2	20.9
9 8	1 11.21	− 8 24.7	2.210	3.117	9.6	20.7
9 18	1 5.43	− 9 19.9	2.160	3.115	6.9	20.6
9 28	0 58.32	−10 11.0	2.136	3.113	5.0	20.4
10 8	0 50.59	−10 52.5	2.140	3.110	5.3	20.5
10 18	0 43.01	−11 19.6	2.172	3.108	7.5	20.6
10 28	0 36.35	−11 29.3	2.231	3.106	10.3	20.8
11 7	0 31.23	−11 20.8	2.312	3.103	12.8	20.9

464170 2015 AA_{57} 10 7.0 53°.80 6°.0/ 2.8 18

8 29	1 18.56	− 3 27.3	1.174	2.038	19.4	20.0
9 8	1 15.14	− 4 39.8	1.130	2.055	15.1	19.8
9 18	1 8.65	− 5 59.2	1.105	2.071	10.4	19.6
9 28	0 59.97	− 7 14.9	1.102	2.089	6.6	19.4
10 8	0 50.43	− 8 16.0	1.123	2.106	6.7	19.5
10 18	0 41.49	− 8 53.9	1.168	2.124	10.3	19.7
10 28	0 34.43	− 9 4.4	1.236	2.142	14.4	20.0
11 7	0 30.07	− 8 47.9	1.324	2.160	18.1	20.3

206699 2004 BZ_{1} 10 7.0 10°.80 4°.6/ 3.3 18

8 29	1 14.95	− 2 52.3	1.499	2.354	16.5	19.4
9 8	1 11.92	− 3 43.4	1.435	2.355	12.8	19.2
9 18	1 6.35	− 4 41.4	1.392	2.357	8.8	19.0
9 28	0 58.88	− 5 38.8	1.372	2.360	5.3	18.8
10 8	0 50.54	− 6 27.4	1.378	2.363	5.2	18.8
10 18	0 42.46	− 7 0.1	1.409	2.367	8.5	19.0
10 28	0 35.77	− 7 12.1	1.464	2.372	12.4	19.2
11 7	0 31.27	− 7 2.0	1.541	2.377	16.0	19.5

159144 2004 XQ_{40} 10 7.1 347°.89 0°.8/ 6.3 18

8 29	1 13.73	+ 5 20.7	2.114	2.932	13.6	20.3
9 8	1 10.28	+ 4 57.6	2.031	2.930	10.7	20.1
9 18	1 4.92	+ 4 24.4	1.970	2.928	7.2	19.9
9 28	0 58.12	+ 3 44.0	1.935	2.926	3.4	19.7
10 8	0 50.62	+ 3 1.1	1.927	2.925	1.0	19.5
10 18	0 43.22	+ 2 20.7	1.947	2.924	4.8	19.8
10 28	0 36.78	+ 1 47.9	1.995	2.923	8.5	20.0
11 7	0 31.94	+ 1 26.4	2.068	2.922	11.7	20.2

254471 2005 EF_{5} 10 7.1 106°.53 1°.7/ 5.7 17

8 29	1 21.29	+ 4 5.3	1.566	2.392	17.2	20.9
9 8	1 16.65	+ 3 32.0	1.504	2.408	13.4	20.7
9 18	1 9.42	+ 2 46.5	1.462	2.423	9.0	20.5
9 28	1 0.31	+ 1 53.9	1.445	2.437	4.3	20.2
10 8	0 50.40	+ 1 1.0	1.455	2.452	2.0	20.1
10 18	0 40.86	+ 0 15.0	1.492	2.465	6.3	20.4
10 28	0 32.84	− 0 18.0	1.555	2.479	10.7	20.7
11 7	0 27.12	− 0 34.4	1.641	2.492	14.5	21.0

517047 2013 AN_{57} 10 7.1 251°.09 6°.2/30.0 18

8 29	1 16.31	−10 16.5	2.183	3.021	12.6	22.5
9 8	1 12.33	−11 32.1	2.100	3.005	10.1	22.4
9 18	1 6.35	−12 49.3	2.040	2.989	7.7	22.2
9 28	0 58.85	−14 1.0	2.006	2.972	6.3	22.1
10 8	0 50.55	−14 59.8	2.000	2.955	6.9	22.1
10 18	0 42.29	−15 40.0	2.021	2.938	9.2	22.2
10 28	0 34.97	−15 57.8	2.067	2.920	11.9	22.3
11 7	0 29.30	−15 52.5	2.135	2.902	14.5	22.5

383479 2007 BR 10 7.1 282°.44 4°.2/10.4 18

8 29	1 17.73	+16 57.5	1.581	2.370	18.8	20.9
9 8	1 14.42	+17 17.3	1.492	2.362	15.6	20.7
9 18	1 8.33	+17 16.4	1.421	2.353	11.8	20.4
9 28	1 0.00	+16 53.6	1.372	2.345	7.6	20.2
10 8	0 50.42	+16 10.7	1.347	2.337	4.4	20.0
10 18	0 40.82	+15 13.0	1.349	2.329	5.8	20.0
10 28	0 32.56	+14 8.9	1.376	2.321	9.9	20.3
11 7	0 26.65	+13 7.8	1.427	2.313	14.1	20.5

520618 2014 OA_{413} 10 7.1 111°.87 4°.6/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.13	− 6 42.0	2.331	3.167	12.0	21.9
9 8	1 10.29	− 7 43.6	2.265	3.173	9.3	21.7
9 18	1 4.74	− 8 47.4	2.223	3.179	6.7	21.5
9 28	0 57.97	− 9 47.6	2.208	3.185	4.8	21.4
10 8	0 50.65	−10 38.4	2.221	3.191	5.1	21.5
10 18	0 43.51	−11 15.0	2.261	3.197	7.3	21.6
10 28	0 37.29	−11 34.4	2.328	3.203	9.9	21.8
11 7	0 32.53	−11 35.5	2.419	3.208	12.3	22.0

428612 2008 ER_{150} 10 7.1 180°.55 1°.4/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.84	+12 20.1	1.883	2.675	16.1	22.0
9 8	1 14.59	+11 58.7	1.797	2.676	12.9	21.8
9 18	1 8.02	+11 20.2	1.732	2.677	9.1	21.5
9 28	0 59.68	+10 26.4	1.692	2.677	4.9	21.3
10 8	0 50.46	+ 9 21.9	1.679	2.677	1.4	21.1
10 18	0 41.37	+ 8 13.1	1.694	2.676	4.6	21.3
10 28	0 33.46	+ 7 7.5	1.738	2.674	8.8	21.5
11 7	0 27.51	+ 6 11.8	1.806	2.672	12.6	21.8

224787 2006 SH_{19} 10 7.1 91°.94 1°.9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 36.96	+ 4 55.3	1.149	1.969	22.6	19.9
9 8	1 30.42	+ 6 15.1	1.079	1.974	18.2	19.6
9 18	1 19.74	+ 7 28.1	1.026	1.979	12.9	19.3
9 28	1 5.67	+ 8 32.5	0.996	1.984	6.7	19.0
10 8	0 49.83	+ 9 27.4	0.991	1.989	1.9	18.7
10 18	0 34.29	+10 13.0	1.013	1.994	7.0	19.0
10 28	0 21.13	+10 53.0	1.061	1.999	12.9	19.4
11 7	0 11.71	+11 32.1	1.131	2.004	17.9	19.7

355813 2008 TZ_{23} 10 7.1 306°.92 1°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.62	+14 40.0	4.463	5.218	8.0	21.5
9 8	1 4.52	+14 34.1	4.364	5.217	6.4	21.4
9 18	1 0.51	+14 20.5	4.288	5.215	4.7	21.3
9 28	0 55.86	+13 59.8	4.240	5.214	2.9	21.1
10 8	0 50.88	+13 33.7	4.220	5.212	1.5	21.0
10 18	0 45.94	+13 4.0	4.231	5.211	2.2	21.1
10 28	0 41.41	+12 32.9	4.272	5.209	4.0	21.2
11 7	0 37.59	+12 3.0	4.342	5.208	5.8	21.3

315203 2007 QK_{15} 10 7.1 74°.41 2°.1/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.10	+17 35.1	4.462	5.198	8.2	21.0
9 8	1 5.67	+17 41.0	4.364	5.199	6.8	20.9
9 18	1 1.29	+17 38.6	4.288	5.200	5.1	20.8
9 28	0 56.24	+17 28.3	4.239	5.201	3.4	20.6
10 8	0 50.85	+17 11.0	4.219	5.202	2.2	20.6
10 18	0 45.49	+16 48.5	4.229	5.204	2.5	20.6
10 28	0 40.55	+16 22.9	4.269	5.205	4.1	20.7
11 7	0 36.35	+15 56.7	4.338	5.206	5.8	20.8

79907 1999 BX_{23} 10 7.1 303°.33 7°.6/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.57	+27 23.8	1.859	2.586	18.4	18.7
9 8	1 11.04	+27 52.5	1.754	2.567	16.1	18.4
9 18	1 5.99	+27 56.8	1.665	2.547	13.4	18.2
9 28	0 58.88	+27 32.7	1.596	2.528	10.5	18.0
10 8	0 50.55	+26 39.3	1.550	2.509	8.1	17.8
10 18	0 42.09	+25 19.7	1.530	2.490	7.7	17.8
10 28	0 34.73	+23 41.3	1.535	2.472	9.7	17.8
11 7	0 29.46	+21 55.0	1.565	2.454	12.8	18.0

42909 1999 RH_{218} 10 7.1 85°.29 0°.6/ 6.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.83	+ 7 17.9	1.426	2.255	18.5	19.2
9 8	1 15.09	+ 6 47.8	1.361	2.265	14.5	19.0
9 18	1 8.57	+ 6 1.1	1.316	2.276	9.9	18.7
9 28	1 0.00	+ 5 2.3	1.294	2.286	4.7	18.5
10 8	0 50.48	+ 3 58.6	1.297	2.296	0.9	18.2
10 18	0 41.30	+ 2 58.4	1.327	2.306	6.1	18.6
10 28	0 33.69	+ 2 9.6	1.383	2.316	10.9	18.9
11 7	0 28.51	+ 1 37.7	1.461	2.326	15.1	19.2

86735 2000 GF_{43} 10 7.1 57°.33 0°.1/ 6.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.84	+ 8 18.4	1.384	2.214	18.9	20.0
9 8	1 14.25	+ 7 50.3	1.329	2.233	14.8	19.8
9 18	1 7.93	+ 7 5.0	1.293	2.252	10.1	19.6
9 28	0 59.64	+ 6 6.8	1.279	2.271	4.8	19.3
10 8	0 50.53	+ 5 3.2	1.291	2.290	0.6	19.1
10 18	0 41.87	+ 4 2.5	1.330	2.310	5.8	19.5
10 28	0 34.83	+ 3 12.6	1.393	2.330	10.6	19.8
11 7	0 30.19	+ 2 39.0	1.480	2.349	14.6	20.1

30863 1992 EA_{4} 10 7.1 166°.61 1°.7/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.53	+ 3 47.9	1.943	2.761	14.7	19.7
9 8	1 14.15	+ 3 4.5	1.865	2.765	11.5	19.5
9 18	1 7.61	+ 2 10.1	1.810	2.769	7.7	19.2
9 28	0 59.46	+ 1 9.3	1.780	2.772	3.7	19.0
10 8	0 50.54	+ 0 8.3	1.779	2.775	2.1	18.9
10 18	0 41.81	− 0 46.7	1.806	2.777	5.7	19.2
10 28	0 34.21	− 1 29.6	1.861	2.778	9.6	19.4
11 7	0 28.47	− 1 56.9	1.940	2.779	13.0	19.6

293940 2007 TX_{12} 10 7.1 30°.67 2°.1/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 23.75	+ 0 16.7	0.846	1.721	24.1	18.9
9 8	1 20.08	+ 0 45.1	0.810	1.740	18.9	18.7
9 18	1 12.41	+ 1 4.2	0.790	1.760	12.7	18.5
9 28	1 1.88	+ 1 18.4	0.788	1.782	6.1	18.2
10 8	0 50.33	+ 1 33.7	0.808	1.806	2.5	18.1
10 18	0 39.72	+ 1 54.9	0.850	1.831	8.1	18.5
10 28	0 31.74	+ 2 26.1	0.914	1.857	13.8	18.9
11 7	0 27.30	+ 3 9.2	0.997	1.884	18.6	19.3

86622 2000 EV_{121} 10 7.1 144°.15 7°.6/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.86	−11 37.9	1.759	2.601	15.0	19.8
9 8	1 15.34	−13 1.0	1.702	2.608	12.0	19.7
9 18	1 8.46	−14 23.0	1.668	2.615	9.2	19.5
9 28	0 59.86	−15 34.7	1.659	2.621	7.6	19.4
10 8	0 50.52	−16 27.8	1.675	2.627	8.3	19.5
10 18	0 41.50	−16 56.4	1.718	2.633	10.7	19.7
10 28	0 33.83	−16 58.1	1.785	2.638	13.5	19.8
11 7	0 28.25	−16 34.1	1.872	2.642	16.1	20.0

316155 2009 TW_{41} 10 7.1 325°.91 2°.5/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.57	− 5 25.7	4.067	4.892	7.5	20.2
9 8	1 4.54	− 6 1.8	3.985	4.888	5.8	20.1
9 18	1 0.56	− 6 39.2	3.928	4.885	4.0	20.0
9 28	0 55.91	− 7 15.4	3.900	4.881	2.7	19.9
10 8	0 50.93	− 7 47.5	3.901	4.877	2.8	19.9
10 18	0 46.02	− 8 13.2	3.931	4.874	4.2	20.0
10 28	0 41.54	− 8 30.3	3.990	4.870	6.0	20.1
11 7	0 37.83	− 8 37.7	4.075	4.867	7.7	20.2

488044 2015 UT_{46} 10 7.1 5°.49 3°.5/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.43	− 0 25.0	1.917	2.760	13.9	21.3
9 8	1 8.65	− 1 33.9	1.845	2.760	10.7	21.1
9 18	1 3.89	− 2 51.5	1.796	2.760	7.3	20.9
9 28	0 57.67	− 4 11.4	1.772	2.761	4.2	20.7
10 8	0 50.75	− 5 26.2	1.776	2.763	4.1	20.7
10 18	0 43.99	− 6 28.8	1.807	2.764	7.1	20.9
10 28	0 38.25	− 7 13.8	1.864	2.766	10.5	21.1
11 7	0 34.20	− 7 38.3	1.944	2.769	13.6	21.3

513230 2005 VT_{53} 10 7.1 322°.20 2°.7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.04	+ 2 22.9	1.320	2.175	18.2	20.9
9 8	1 11.89	+ 1 50.9	1.237	2.157	14.4	20.6
9 18	1 6.82	+ 1 5.1	1.173	2.140	9.8	20.3
9 28	0 59.36	+ 0 10.8	1.131	2.124	4.9	20.0
10 8	0 50.57	− 0 43.7	1.113	2.108	3.2	19.9
10 18	0 41.76	− 1 29.5	1.119	2.093	7.9	20.1
10 28	0 34.37	− 1 58.4	1.149	2.079	13.0	20.4
11 7	0 29.49	− 2 5.6	1.200	2.066	17.6	20.6

197003 2003 UN_{97} 10 7.1 350°.82 0°.2/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.33	+ 9 17.4	2.053	2.865	14.2	20.3
9 8	1 8.53	+ 8 44.7	1.968	2.862	11.2	20.0
9 18	1 3.80	+ 7 57.8	1.905	2.859	7.7	19.8
9 28	0 57.64	+ 6 59.7	1.867	2.857	3.8	19.6
10 8	0 50.76	+ 5 55.3	1.856	2.855	0.4	19.3
10 18	0 43.99	+ 4 50.8	1.873	2.853	4.4	19.6
10 28	0 38.15	+ 3 52.4	1.918	2.852	8.3	19.9
11 7	0 33.93	+ 3 5.6	1.988	2.852	11.7	20.1

511844 2015 FH_{326} 10 7.1 237°.50 3°.9/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.34	− 1 50.9	1.849	2.679	14.9	22.4
9 8	1 15.91	− 2 41.8	1.758	2.664	11.7	22.2
9 18	1 9.05	− 3 40.8	1.689	2.649	8.0	21.9
9 28	1 0.29	− 4 42.1	1.646	2.634	4.7	21.7
10 8	0 50.49	− 5 38.2	1.630	2.617	4.4	21.6
10 18	0 40.70	− 6 22.3	1.643	2.600	7.7	21.8
10 28	0 32.04	− 6 48.7	1.682	2.582	11.6	22.0
11 7	0 25.38	− 6 54.8	1.744	2.564	15.1	22.2

437628 2014 BT_{30} 10 7.1 106°.00 1°.3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.21	+12 26.0	1.989	2.780	15.4	21.2
9 8	1 13.04	+12 2.4	1.917	2.795	12.3	21.0
9 18	1 6.79	+11 22.9	1.866	2.811	8.6	20.8
9 28	0 59.04	+10 29.8	1.841	2.826	4.6	20.6
10 8	0 50.63	+ 9 27.7	1.842	2.840	1.3	20.4
10 18	0 42.47	+ 8 22.7	1.873	2.854	4.2	20.6
10 28	0 35.45	+ 7 21.4	1.932	2.868	8.1	20.9
11 7	0 30.25	+ 6 29.6	2.016	2.882	11.5	21.1

59255 1999 CB_{26} 10 7.1 299°.05 1°.1/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.26	+ 5 59.5	1.506	2.342	17.4	19.3
9 8	1 12.53	+ 5 30.1	1.416	2.324	13.8	19.0
9 18	1 7.09	+ 4 44.6	1.345	2.307	9.4	18.7
9 28	0 59.46	+ 3 46.9	1.297	2.289	4.5	18.4
10 8	0 50.57	+ 2 43.6	1.274	2.272	1.5	18.1
10 18	0 41.64	+ 1 43.0	1.278	2.255	6.5	18.4
10 28	0 33.97	+ 0 53.7	1.306	2.239	11.5	18.6
11 7	0 28.59	+ 0 21.9	1.357	2.222	16.0	18.9

399827 2005 TV_{83} 10 7.1 300°.32 1°.4/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.35	+10 10.7	2.043	2.840	14.8	21.4
9 8	1 13.35	+10 21.8	1.950	2.832	11.9	21.2
9 18	1 7.19	+10 20.8	1.877	2.823	8.4	21.0
9 28	0 59.35	+10 8.6	1.829	2.814	4.6	20.8
10 8	0 50.59	+ 9 47.8	1.808	2.806	1.4	20.5
10 18	0 41.85	+ 9 22.3	1.816	2.798	4.4	20.7
10 28	0 34.10	+ 8 57.1	1.852	2.789	8.3	20.9
11 7	0 28.12	+ 8 37.2	1.912	2.781	11.9	21.1

510248 2011 FP_{146} 10 7.1 231°.62 0°.2/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.20	+ 8 24.6	1.863	2.669	15.7	22.3
9 8	1 15.01	+ 8 8.5	1.770	2.660	12.5	22.1
9 18	1 8.44	+ 7 38.4	1.698	2.650	8.7	21.9
9 28	1 0.00	+ 6 56.5	1.650	2.639	4.3	21.6
10 8	0 50.53	+ 6 7.4	1.629	2.628	0.4	21.2
10 18	0 41.08	+ 5 17.0	1.637	2.617	5.0	21.6
10 28	0 32.74	+ 4 31.9	1.673	2.605	9.4	21.8
11 7	0 26.38	+ 3 57.8	1.733	2.593	13.3	22.0

128080 2003 OQ_{20} 10 7.1 77°.81 5°.9/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.28	− 7 16.0	1.657	2.502	15.6	19.2
9 8	1 14.88	− 8 18.5	1.606	2.518	12.2	19.1
9 18	1 8.12	− 9 22.6	1.576	2.534	8.7	18.9
9 28	0 59.68	−10 20.3	1.572	2.550	6.2	18.8
10 8	0 50.58	−11 3.8	1.593	2.566	6.5	18.9
10 18	0 41.89	−11 27.7	1.641	2.581	9.2	19.0
10 28	0 34.63	−11 29.1	1.714	2.597	12.4	19.3
11 7	0 29.48	−11 8.5	1.808	2.612	15.3	19.5

211587 2003 SX_{227} 10 7.1 326°.73 1°.3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.27	+11 8.8	1.381	2.215	18.7	20.1
9 8	1 8.94	+10 57.7	1.286	2.191	15.2	19.8
9 18	1 4.85	+10 25.6	1.210	2.167	10.8	19.5
9 28	0 58.45	+ 9 33.6	1.155	2.145	5.8	19.1
10 8	0 50.68	+ 8 26.8	1.124	2.123	1.3	18.8
10 18	0 42.77	+ 7 13.4	1.118	2.102	5.8	19.0
10 28	0 36.13	+ 6 3.9	1.136	2.082	11.3	19.3
11 7	0 31.87	+ 5 7.9	1.175	2.064	16.2	19.5

431321 2006 WL_{130} 10 7.1 214°.20 8°.4/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.56	−18 43.2	2.263	3.082	12.8	21.9
9 8	1 17.14	−20 4.3	2.191	3.073	10.8	21.7
9 18	1 9.59	−21 20.4	2.143	3.062	9.1	21.6
9 28	1 0.44	−22 23.3	2.120	3.050	8.4	21.5
10 8	0 50.50	−23 5.9	2.125	3.038	9.2	21.6
10 18	0 40.70	−23 23.6	2.156	3.024	11.0	21.7
10 28	0 31.99	−23 14.7	2.211	3.010	13.1	21.8
11 7	0 25.08	−22 40.7	2.286	2.995	15.2	21.9

476714 2008 TX_{181} 10 7.1 159°.39 1°.8/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.43	+ 1 41.8	2.242	3.052	13.2	21.6
9 8	1 15.29	+ 1 14.4	2.164	3.059	10.3	21.5
9 18	1 8.22	+ 0 39.9	2.109	3.066	6.9	21.3
9 28	0 59.73	+ 0 1.8	2.081	3.072	3.4	21.1
10 8	0 50.58	− 0 35.0	2.082	3.077	2.1	21.0
10 18	0 41.62	− 1 6.1	2.113	3.082	5.3	21.2
10 28	0 33.69	− 1 27.3	2.173	3.086	8.7	21.4
11 7	0 27.43	− 1 36.1	2.258	3.089	11.7	21.6

507995 2015 BQ_{202} 10 7.1 180°.18 5°.0/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.49	− 2 43.7	1.505	2.353	16.8	21.6
9 8	1 14.76	− 3 50.9	1.438	2.354	13.1	21.4
9 18	1 8.36	− 5 6.3	1.390	2.354	9.1	21.2
9 28	0 59.95	− 6 21.9	1.367	2.354	5.6	21.0
10 8	0 50.56	− 7 28.1	1.370	2.354	5.6	21.0
10 18	0 41.42	− 8 16.8	1.399	2.354	9.1	21.2
10 28	0 33.72	− 8 42.2	1.453	2.353	13.1	21.4
11 7	0 28.33	− 8 42.8	1.527	2.352	16.7	21.7

402491 2006 CR_{58} 10 7.1 259°.35 3°.7/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.93	− 3 16.9	2.419	3.251	11.7	21.9
9 8	1 9.47	− 4 19.6	2.331	3.239	9.1	21.7
9 18	1 4.31	− 5 27.9	2.267	3.227	6.3	21.5
9 28	0 57.87	− 6 36.5	2.231	3.215	4.0	21.3
10 8	0 50.78	− 7 39.7	2.223	3.203	4.2	21.3
10 18	0 43.73	− 8 31.8	2.243	3.190	6.6	21.5
10 28	0 37.48	− 9 8.6	2.291	3.177	9.5	21.6
11 7	0 32.61	− 9 27.8	2.362	3.165	12.2	21.8

406321 2007 LR_{16} 10 7.1 235°.45 2°.7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.00	+17 38.6	2.518	3.277	13.3	20.9
9 8	1 9.54	+17 24.4	2.420	3.272	11.0	20.7
9 18	1 4.37	+16 54.3	2.342	3.266	8.2	20.5
9 28	0 57.90	+16 8.8	2.290	3.261	5.2	20.3
10 8	0 50.78	+15 10.6	2.265	3.255	2.9	20.1
10 18	0 43.70	+14 4.0	2.270	3.250	3.8	20.2
10 28	0 37.42	+12 54.7	2.304	3.244	6.7	20.4
11 7	0 32.55	+11 48.6	2.364	3.238	9.7	20.6

381105 2007 CN_{65} 10 7.1 292°.01 1°.3/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.26	+ 7 22.8	1.542	2.374	17.2	21.5
9 8	1 11.84	+ 6 31.0	1.438	2.345	13.7	21.2
9 18	1 6.73	+ 5 18.6	1.354	2.316	9.4	20.9
9 28	0 59.36	+ 3 49.4	1.293	2.286	4.5	20.5
10 8	0 50.61	+ 2 10.8	1.258	2.256	1.7	20.3
10 18	0 41.64	+ 0 33.4	1.250	2.226	6.8	20.5
10 28	0 33.80	− 0 51.9	1.267	2.196	12.1	20.8
11 7	0 28.19	− 1 56.2	1.306	2.166	16.8	21.0

457995 2009 WB_{39} 10 7.1 325°.47 3°.4/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.39	+18 1.5	2.178	2.946	14.9	21.5
9 8	1 9.40	+18 1.7	2.082	2.938	12.3	21.3
9 18	1 4.46	+17 44.5	2.006	2.930	9.3	21.1
9 28	0 58.01	+17 9.9	1.953	2.923	6.1	20.9
10 8	0 50.76	+16 20.1	1.927	2.915	3.6	20.7
10 18	0 43.54	+15 19.4	1.929	2.908	4.5	20.7
10 28	0 37.23	+14 14.3	1.959	2.902	7.5	20.9
11 7	0 32.52	+13 11.6	2.014	2.895	10.8	21.1

509175 2006 HF_{71} 10 7.1 223°.79 2°.8/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.63	− 0 9.2	2.201	3.023	13.1	22.4
9 8	1 13.32	− 0 55.9	2.111	3.013	10.2	22.2
9 18	1 7.03	− 1 50.3	2.044	3.003	6.9	22.0
9 28	0 59.23	− 2 47.7	2.003	2.992	3.7	21.7
10 8	0 50.64	− 3 42.3	1.991	2.980	3.2	21.7
10 18	0 42.11	− 4 28.4	2.007	2.968	6.2	21.9
10 28	0 34.50	− 5 1.2	2.052	2.955	9.6	22.0
11 7	0 28.53	− 5 17.8	2.121	2.942	12.7	22.2

502105 2015 AQ_{272} 10 7.1 209°.88 0°.6/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.34	+ 4 47.1	3.458	4.260	9.2	21.6
9 8	1 6.87	+ 4 19.5	3.366	4.257	7.1	21.4
9 18	1 2.24	+ 3 45.6	3.299	4.254	4.8	21.2
9 28	0 56.78	+ 3 7.5	3.260	4.251	2.3	21.1
10 8	0 50.90	+ 2 28.2	3.250	4.248	0.8	20.9
10 18	0 45.08	+ 1 50.7	3.270	4.244	3.2	21.1
10 28	0 39.79	+ 1 18.1	3.321	4.241	5.7	21.3
11 7	0 35.45	+ 0 52.9	3.398	4.237	8.0	21.5

48481 1992 BZ_{3} 10 7.1 24°.89 4°.8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.45	− 3 15.2	1.254	2.112	18.8	18.4
9 8	1 15.90	− 3 46.9	1.196	2.118	14.7	18.1
9 18	1 9.31	− 4 24.6	1.157	2.123	10.1	17.9
9 28	1 0.43	− 5 0.7	1.141	2.130	5.9	17.7
10 8	0 50.53	− 5 27.0	1.148	2.137	5.3	17.7
10 18	0 41.04	− 5 36.8	1.181	2.145	9.0	17.9
10 28	0 33.31	− 5 26.1	1.236	2.153	13.5	18.2
11 7	0 28.25	− 4 54.2	1.313	2.162	17.4	18.5

264139 2009 UP_{78} 10 7.1 241°.62 0°.4/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.14	+ 4 43.6	4.494	5.290	7.3	20.7
9 8	1 4.89	+ 4 28.4	4.400	5.287	5.7	20.6
9 18	1 0.77	+ 4 8.8	4.330	5.284	3.8	20.5
9 28	0 56.03	+ 3 46.2	4.290	5.281	1.8	20.3
10 8	0 50.98	+ 3 22.6	4.279	5.277	0.5	20.2
10 18	0 45.97	+ 2 59.9	4.299	5.274	2.5	20.3
10 28	0 41.36	+ 2 40.2	4.349	5.271	4.4	20.5
11 7	0 37.44	+ 2 25.3	4.427	5.267	6.2	20.6

445925 2012 XU_{119} 10 7.1 314°.64 8°.1/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.75	+26 53.2	1.886	2.605	18.4	21.0
9 8	1 15.03	+27 52.5	1.795	2.601	16.1	20.8
9 18	1 8.68	+28 30.3	1.721	2.597	13.4	20.6
9 28	1 0.21	+28 42.5	1.668	2.593	10.6	20.5
10 8	0 50.54	+28 27.5	1.638	2.589	8.5	20.3
10 18	0 40.81	+27 46.9	1.634	2.585	8.2	20.3
10 28	0 32.29	+26 47.0	1.655	2.582	9.9	20.4
11 7	0 25.96	+25 36.9	1.701	2.579	12.6	20.6

136420 2005 CL_{48} 10 7.1 141°.28 4°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.27	+16 34.4	1.616	2.396	18.8	20.6
9 8	1 17.78	+16 58.2	1.538	2.402	15.5	20.4
9 18	1 10.49	+17 2.4	1.478	2.408	11.6	20.2
9 28	1 1.04	+16 45.8	1.441	2.413	7.4	19.9
10 8	0 50.47	+16 10.5	1.429	2.418	4.3	19.8
10 18	0 40.08	+15 21.6	1.444	2.423	5.7	19.9
10 28	0 31.15	+14 27.0	1.486	2.428	9.6	20.1
11 7	0 24.63	+13 35.3	1.552	2.432	13.5	20.4

312477 2008 SD_{278} 10 7.1 2°.34 1°.6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.82	+15 25.9	4.070	4.825	8.7	21.0
9 8	1 4.80	+15 17.8	3.973	4.825	7.1	20.8
9 18	1 0.78	+15 0.8	3.899	4.825	5.2	20.7
9 28	0 56.06	+14 35.8	3.852	4.825	3.2	20.6
10 8	0 50.99	+14 4.5	3.834	4.825	1.7	20.5
10 18	0 45.96	+13 28.9	3.846	4.826	2.4	20.5
10 28	0 41.38	+12 51.9	3.888	4.826	4.3	20.7
11 7	0 37.60	+12 16.2	3.958	4.827	6.3	20.8

168930 2000 YV_{73} 10 7.1 304°.24 5°.5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.21	− 2 42.3	1.315	2.175	18.0	19.7
9 8	1 13.54	− 3 46.2	1.240	2.163	14.2	19.4
9 18	1 7.90	− 5 0.4	1.184	2.151	9.9	19.2
9 28	0 59.88	− 6 16.2	1.151	2.139	6.2	18.9
10 8	0 50.59	− 7 22.9	1.142	2.127	6.2	18.9
10 18	0 41.40	− 8 10.6	1.158	2.116	10.1	19.1
10 28	0 33.72	− 8 32.3	1.196	2.105	14.6	19.3
11 7	0 28.59	− 8 25.9	1.255	2.094	18.7	19.6

399282 2014 HV_{123} 10 7.1 33°.33 8°.9/ 5.3 17

8 29	1 42.32	−14 36.9	0.932	1.780	24.6	20.0
9 8	1 35.05	−14 9.3	0.877	1.785	20.1	19.8
9 18	1 22.96	−13 27.6	0.838	1.791	15.0	19.5
9 28	1 7.19	−12 21.9	0.819	1.797	10.3	19.3
10 8	0 49.88	−10 46.6	0.824	1.804	9.1	19.3
10 18	0 33.59	− 8 43.5	0.854	1.812	12.6	19.5
10 28	0 20.52	− 6 20.4	0.906	1.820	17.5	19.8
11 7	0 11.87	− 3 46.5	0.979	1.828	22.0	20.1

351030 2003 SD_{107} 10 7.1 14°.44 5°.1/ 9.9 18

8 29	1 20.82	+13 33.5	1.270	2.085	21.1	19.6
9 8	1 17.30	+14 50.2	1.204	2.090	17.4	19.4
9 18	1 10.52	+15 50.2	1.156	2.097	13.0	19.2
9 28	1 1.16	+16 30.3	1.128	2.105	8.4	19.0
10 8	0 50.47	+16 50.2	1.124	2.114	5.2	18.8
10 18	0 40.01	+16 52.5	1.145	2.124	6.8	18.9
10 28	0 31.33	+16 44.0	1.190	2.136	10.9	19.2
11 7	0 25.51	+16 32.6	1.257	2.149	15.1	19.5

452116 2014 RD_{23} 10 7.1 350°.85 4°.8/ 2.2 18

8 29	1 14.76	− 6 51.1	2.088	2.929	13.0	20.7
9 8	1 11.09	− 7 38.6	2.017	2.927	10.2	20.5
9 18	1 5.48	− 8 28.2	1.968	2.925	7.3	20.3
9 28	0 58.46	− 9 14.1	1.944	2.924	5.1	20.2
10 8	0 50.76	− 9 50.2	1.948	2.922	5.3	20.2
10 18	0 43.22	−10 11.7	1.979	2.921	7.7	20.4
10 28	0 36.69	−10 15.6	2.036	2.921	10.6	20.5
11 7	0 31.80	−10 1.0	2.116	2.920	13.4	20.7

437524 2013 YX_{105} 10 7.1 324°.32 4°.5/12.3 15

8 29	1 11.35	+21 21.7	2.523	3.265	13.7	20.8
9 8	1 8.47	+21 40.2	2.408	3.241	11.6	20.6
9 18	1 3.81	+21 42.9	2.314	3.218	9.2	20.4
9 28	0 57.73	+21 28.6	2.243	3.196	6.7	20.2
10 8	0 50.82	+20 58.1	2.198	3.174	4.7	20.0
10 18	0 43.83	+20 13.9	2.181	3.152	4.9	20.0
10 28	0 37.55	+19 20.6	2.192	3.131	7.1	20.1
11 7	0 32.67	+18 24.1	2.229	3.110	9.9	20.2

225752 2001 ST_{152} 10 7.1 50°.83 1°.9/ 8.5 17

8 29	1 18.83	+11 53.6	1.326	2.146	20.1	20.2
9 8	1 15.22	+11 52.5	1.271	2.165	16.1	20.0
9 18	1 8.72	+11 31.2	1.234	2.185	11.3	19.8
9 28	1 0.11	+10 52.0	1.219	2.205	6.1	19.5
10 8	0 50.60	+10 0.4	1.228	2.226	1.9	19.3
10 18	0 41.56	+ 9 4.4	1.263	2.246	5.5	19.6
10 28	0 34.24	+ 8 12.6	1.323	2.267	10.3	19.9
11 7	0 29.47	+ 7 32.4	1.406	2.289	14.5	20.3

29733 1999 BA_{4} 10 7.1 156°.00 3°.1/ 4.4 18 R

8 29	1 19.31	− 0 3.5	1.801	2.632	15.2	18.1
9 8	1 14.93	− 0 46.4	1.729	2.636	11.8	17.9
9 18	1 8.24	− 1 37.4	1.678	2.640	8.0	17.7
9 28	0 59.84	− 2 31.1	1.653	2.643	4.3	17.5
10 8	0 50.63	− 3 20.6	1.655	2.646	3.5	17.4
10 18	0 41.64	− 3 59.9	1.685	2.649	6.8	17.7
10 28	0 33.89	− 4 23.9	1.742	2.652	10.7	17.9
11 7	0 28.13	− 4 30.1	1.822	2.654	14.1	18.1

19178 Walterbothe 10 7.1 56°.24 2°.8/ 9.4 18 R

8 29	1 19.34	+14 52.1	1.461	2.262	19.5	17.9
9 8	1 15.29	+14 47.6	1.410	2.290	15.7	17.7
9 18	1 8.56	+14 21.6	1.377	2.319	11.3	17.5
9 28	0 59.96	+13 36.0	1.366	2.347	6.5	17.3
10 8	0 50.64	+12 36.2	1.381	2.376	2.9	17.2
10 18	0 41.82	+11 29.8	1.422	2.405	5.1	17.4
10 28	0 34.64	+10 25.6	1.490	2.434	9.3	17.7
11 7	0 29.84	+ 9 31.3	1.581	2.462	13.2	18.0

329283 1999 XQ_{261} 10 7.1 341°.17 6°.0/12.2 18

8 29	1 10.43	+21 50.8	1.255	2.055	22.2	20.2
9 8	1 9.36	+21 57.8	1.175	2.046	18.8	20.0
9 18	1 5.26	+21 32.9	1.110	2.039	14.7	19.7
9 28	0 58.68	+20 33.4	1.064	2.032	10.2	19.4
10 8	0 50.74	+19 2.2	1.040	2.026	6.5	19.2
10 18	0 42.87	+17 7.8	1.040	2.021	6.9	19.2
10 28	0 36.56	+15 4.5	1.063	2.017	11.0	19.4
11 7	0 32.92	+13 7.5	1.109	2.013	15.6	19.7

298670 2004 CS_{82} 10 7.1 169°.91 1°.4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.37	+12 12.9	2.283	3.067	13.8	21.5
9 8	1 12.26	+11 58.4	2.196	3.070	11.1	21.3
9 18	1 6.25	+11 30.2	2.130	3.072	7.9	21.1
9 28	0 58.85	+10 49.8	2.090	3.074	4.3	20.9
10 8	0 50.74	+10 0.6	2.078	3.075	1.4	20.7
10 18	0 42.75	+ 9 7.3	2.095	3.076	3.9	20.9
10 28	0 35.68	+ 8 15.6	2.141	3.077	7.4	21.1
11 7	0 30.20	+ 7 30.7	2.213	3.077	10.7	21.3

300819 2007 WD_{46} 10 7.1 57°.80 4°.6/11.4 18

8 29	1 18.08	+19 24.5	1.666	2.439	18.6	20.6
9 8	1 14.20	+19 38.1	1.605	2.461	15.4	20.4
9 18	1 7.82	+19 29.5	1.561	2.483	11.6	20.3
9 28	0 59.64	+18 58.5	1.539	2.505	7.8	20.1
10 8	0 50.67	+18 8.1	1.543	2.528	4.8	20.0
10 18	0 42.05	+17 4.5	1.573	2.551	5.5	20.1
10 28	0 34.87	+15 55.8	1.630	2.573	8.7	20.3
11 7	0 29.88	+14 50.7	1.712	2.596	12.2	20.6

512267 2016 EK_{193} 10 7.1 67°.16 3°.9/ 4.6 17

8 29	1 24.04	− 0 50.6	1.255	2.102	19.5	20.7
9 8	1 19.15	− 1 28.1	1.212	2.127	15.1	20.5
9 18	1 11.25	− 2 13.6	1.188	2.153	10.1	20.3
9 28	1 1.26	− 2 59.5	1.188	2.178	5.4	20.1
10 8	0 50.53	− 3 37.7	1.212	2.203	4.3	20.1
10 18	0 40.49	− 4 1.2	1.262	2.229	8.2	20.4
10 28	0 32.42	− 4 5.9	1.336	2.254	12.6	20.7
11 7	0 27.07	− 3 50.7	1.432	2.278	16.4	21.0

441634 2008 VT_{71} 10 7.1 350°.64 4°.5/ 3.9 18

8 29	1 12.96	− 1 47.9	1.238	2.106	18.4	19.9
9 8	1 11.04	− 2 24.9	1.170	2.098	14.4	19.7
9 18	1 6.19	− 3 10.8	1.121	2.090	9.9	19.4
9 28	0 59.04	− 3 58.2	1.093	2.084	5.6	19.1
10 8	0 50.72	− 4 38.2	1.089	2.080	5.0	19.1
10 18	0 42.59	− 5 2.5	1.109	2.076	9.0	19.3
10 28	0 36.01	− 5 5.3	1.151	2.074	13.7	19.6
11 7	0 31.96	− 4 44.6	1.214	2.074	17.8	19.8

488487 1999 VA_{13} 10 7.1 329°.66 2°.8/ 6.5 15

8 29	1 41.05	− 5 8.6	0.989	1.830	24.0	20.0
9 8	1 34.50	− 3 56.9	0.916	1.825	19.3	19.7
9 18	1 23.12	− 2 38.5	0.859	1.820	13.6	19.4
9 28	1 7.62	− 1 9.9	0.825	1.816	7.0	19.0
10 8	0 49.85	+ 0 29.7	0.815	1.812	3.0	18.8
10 18	0 32.32	+ 2 17.8	0.831	1.808	9.0	19.1
10 28	0 17.56	+ 4 10.8	0.871	1.805	15.5	19.4
11 7	0 7.19	+ 6 5.8	0.933	1.803	21.1	19.8

151621 2002 VH_{114} 10 7.1 310°.89 1°.2/ 6.2 18

8 29	1 14.50	+ 5 53.0	1.367	2.211	18.4	20.4
9 8	1 12.23	+ 5 25.2	1.280	2.193	14.6	20.2
9 18	1 7.07	+ 4 40.2	1.212	2.176	10.0	19.9
9 28	0 59.55	+ 3 42.2	1.166	2.159	4.8	19.5
10 8	0 50.67	+ 2 38.2	1.144	2.142	1.6	19.3
10 18	0 41.75	+ 1 37.4	1.148	2.126	6.9	19.5
10 28	0 34.19	+ 0 49.0	1.175	2.111	12.2	19.8
11 7	0 29.10	+ 0 19.8	1.224	2.096	16.9	20.0

43500 2001 CP_{22} 10 7.1 159°.66 1°.2/ 5.7 18

8 29	1 14.66	+ 3 51.0	2.567	3.377	11.8	20.3
9 8	1 10.62	+ 3 19.3	2.485	3.380	9.1	20.1
9 18	1 4.99	+ 2 39.7	2.427	3.384	6.1	19.9
9 28	0 58.19	+ 1 55.3	2.395	3.387	2.9	19.7
10 8	0 50.83	+ 1 10.4	2.393	3.390	1.4	19.6
10 18	0 43.59	+ 0 29.1	2.420	3.392	4.4	19.9
10 28	0 37.16	− 0 4.4	2.476	3.395	7.5	20.1
11 7	0 32.08	− 0 27.1	2.558	3.397	10.3	20.3

314939 2006 WG_{98} 10 7.1 305°.65 1°.6/ 5.6 18

8 29	1 15.20	+ 3 25.0	1.951	2.776	14.4	21.1
9 8	1 11.68	+ 2 56.0	1.866	2.770	11.2	20.9
9 18	1 6.05	+ 2 17.0	1.804	2.764	7.6	20.6
9 28	0 58.82	+ 1 31.8	1.766	2.758	3.6	20.4
10 8	0 50.76	+ 0 45.9	1.756	2.753	1.9	20.3
10 18	0 42.80	+ 0 4.8	1.774	2.747	5.6	20.5
10 28	0 35.87	− 0 25.9	1.818	2.741	9.5	20.7
11 7	0 30.70	− 0 42.6	1.887	2.736	12.9	20.9

381398 2008 GM_{95} 10 7.1 58°.78 3°.9/ 4.2 16

8 29	1 19.59	− 0 14.2	1.327	2.177	18.5	21.2
9 8	1 15.62	− 1 5.4	1.280	2.198	14.3	21.0
9 18	1 8.86	− 2 5.7	1.253	2.219	9.6	20.8
9 28	1 0.13	− 3 7.1	1.249	2.240	5.2	20.6
10 8	0 50.65	− 4 1.0	1.271	2.262	4.4	20.6
10 18	0 41.72	− 4 39.7	1.318	2.283	8.1	20.9
10 28	0 34.52	− 4 58.2	1.389	2.305	12.4	21.2
11 7	0 29.79	− 4 55.1	1.482	2.327	16.0	21.5

454006 2012 DD_{32} 10 7.1 163°.33 0°.6/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.19	+ 4 47.8	2.729	3.530	11.4	21.9
9 8	1 11.72	+ 4 34.0	2.644	3.533	8.9	21.8
9 18	1 5.69	+ 4 12.9	2.582	3.536	6.0	21.6
9 28	0 58.52	+ 3 46.9	2.548	3.539	2.9	21.4
10 8	0 50.81	+ 3 19.1	2.543	3.541	0.8	21.2
10 18	0 43.20	+ 2 53.0	2.568	3.544	3.9	21.5
10 28	0 36.36	+ 2 32.1	2.623	3.546	6.9	21.7
11 7	0 30.83	+ 2 19.0	2.703	3.547	9.6	21.8

237589 2001 FU_{101} 10 7.1 97°.54 1°.6/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.65	+15 9.3	2.094	2.871	15.1	20.7
9 8	1 12.44	+14 25.0	2.027	2.895	12.1	20.6
9 18	1 6.31	+13 22.8	1.980	2.918	8.6	20.4
9 28	0 58.82	+12 5.5	1.959	2.941	4.8	20.2
10 8	0 50.78	+10 38.4	1.967	2.964	1.6	20.0
10 18	0 43.05	+ 9 8.5	2.004	2.986	4.0	20.3
10 28	0 36.43	+ 7 43.1	2.070	3.007	7.6	20.5
11 7	0 31.54	+ 6 28.5	2.163	3.028	10.8	20.8

55568 2002 CU_{15} 10 7.1 359°.97 4°.0/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.93	−14 39.1	4.129	4.947	7.5	18.6
9 8	1 7.85	−15 4.7	4.058	4.947	6.1	18.5
9 18	1 2.79	−15 27.6	4.012	4.947	4.7	18.4
9 28	0 57.03	−15 44.9	3.994	4.947	4.0	18.3
10 8	0 50.96	−15 54.0	4.005	4.947	4.3	18.4
10 18	0 45.00	−15 53.3	4.045	4.947	5.4	18.4
10 28	0 39.53	−15 41.4	4.113	4.947	6.9	18.6
11 7	0 34.92	−15 18.5	4.205	4.947	8.3	18.7

340082 2005 WF_{26} 10 7.1 314°.39 0°.2/ 7.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.41	+ 7 49.6	2.753	3.554	11.3	21.4
9 8	1 8.15	+ 7 36.2	2.651	3.538	8.9	21.2
9 18	1 3.38	+ 7 13.6	2.571	3.522	6.2	21.0
9 28	0 57.45	+ 6 43.7	2.517	3.507	3.1	20.7
10 8	0 50.92	+ 6 9.4	2.492	3.491	0.3	20.5
10 18	0 44.38	+ 5 34.3	2.497	3.476	3.5	20.7
10 28	0 38.49	+ 5 2.4	2.530	3.462	6.7	20.9
11 7	0 33.80	+ 4 37.1	2.589	3.447	9.5	21.1

376666 2013 QB_{13} 10 7.1 194°.98 3°.4/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.34	+14 25.9	1.557	2.350	18.8	21.5
9 8	1 17.23	+14 47.1	1.475	2.350	15.4	21.2
9 18	1 10.26	+14 49.6	1.411	2.349	11.3	21.0
9 28	1 1.02	+14 32.9	1.370	2.348	6.9	20.8
10 8	0 50.56	+13 59.4	1.354	2.347	3.5	20.5
10 18	0 40.20	+13 14.4	1.364	2.345	5.6	20.7
10 28	0 31.28	+12 25.6	1.401	2.344	9.9	20.9
11 7	0 24.81	+11 41.4	1.462	2.342	14.1	21.2

480332 2015 JL_{3} 10 7.1 32°.94 9°.4/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.97	+29 5.0	1.371	2.116	23.1	19.8
9 8	1 12.67	+29 53.7	1.310	2.131	20.1	19.6
9 18	1 7.30	+30 10.0	1.263	2.147	16.7	19.5
9 28	0 59.57	+29 49.7	1.235	2.164	13.2	19.3
10 8	0 50.73	+28 52.8	1.227	2.182	10.3	19.2
10 18	0 42.22	+27 25.3	1.242	2.200	9.5	19.2
10 28	0 35.44	+25 38.4	1.281	2.219	11.1	19.4
11 7	0 31.35	+23 46.3	1.343	2.239	14.0	19.6

309512 2007 WR_{20} 10 7.1 262°.65 3°.6/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.66	+17 46.9	2.199	2.960	15.0	21.2
9 8	1 12.85	+17 58.1	2.094	2.945	12.5	21.0
9 18	1 6.92	+17 52.8	2.008	2.930	9.5	20.8
9 28	0 59.31	+17 30.5	1.946	2.914	6.3	20.6
10 8	0 50.75	+16 52.5	1.911	2.898	3.8	20.4
10 18	0 42.12	+16 2.4	1.905	2.882	4.7	20.4
10 28	0 34.39	+15 6.3	1.926	2.866	7.9	20.6
11 7	0 28.34	+14 10.7	1.974	2.850	11.2	20.7

58946 1998 QY_{51} 10 7.1 333°.53 3°.0/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.04	+14 39.6	1.276	2.101	20.5	18.7
9 8	1 10.51	+14 38.4	1.194	2.090	16.8	18.4
9 18	1 6.01	+14 12.4	1.129	2.079	12.3	18.1
9 28	0 59.08	+13 21.6	1.085	2.069	7.3	17.8
10 8	0 50.79	+12 10.6	1.063	2.059	3.1	17.5
10 18	0 42.51	+10 48.1	1.066	2.051	5.9	17.7
10 28	0 35.72	+ 9 25.9	1.093	2.044	11.1	17.9
11 7	0 31.53	+ 8 14.9	1.142	2.037	16.0	18.2

378666 2008 GS_{117} 10 7.1 269°.02 2°.8/ 4.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.23	+ 2 52.5	1.533	2.374	16.9	21.3
9 8	1 13.09	+ 1 57.2	1.455	2.368	13.2	21.1
9 18	1 7.34	+ 0 48.1	1.398	2.362	8.9	20.8
9 28	0 59.57	− 0 28.8	1.364	2.357	4.5	20.5
10 8	0 50.76	− 1 45.0	1.357	2.351	3.3	20.4
10 18	0 42.08	− 2 51.4	1.376	2.345	7.4	20.7
10 28	0 34.73	− 3 40.4	1.420	2.340	11.9	20.9
11 7	0 29.60	− 4 7.4	1.487	2.334	15.9	21.2

509006 2005 JU_{28} 10 7.1 160°.33 5°.3/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 18.40	−11 6.2	2.628	3.452	11.1	22.8
9 8	1 13.44	−12 6.1	2.563	3.460	8.9	22.6
9 18	1 6.84	−13 5.0	2.523	3.467	6.7	22.5
9 28	0 59.09	−13 57.4	2.510	3.473	5.4	22.4
10 8	0 50.82	−14 38.1	2.525	3.479	5.8	22.5
10 18	0 42.75	−15 3.4	2.569	3.484	7.6	22.6
10 28	0 35.56	−15 11.0	2.640	3.488	9.8	22.8
11 7	0 29.80	−15 0.9	2.735	3.492	11.9	22.9

321201 2008 YK_{20} 10 7.1 277°.39 1°.3/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.91	+ 4 52.7	1.831	2.656	15.2	21.5
9 8	1 12.38	+ 4 19.9	1.749	2.652	11.9	21.3
9 18	1 6.62	+ 3 35.0	1.688	2.648	8.1	21.0
9 28	0 59.14	+ 2 42.0	1.652	2.645	3.8	20.8
10 8	0 50.81	+ 1 46.8	1.644	2.641	1.6	20.6
10 18	0 42.59	+ 0 55.9	1.662	2.637	5.6	20.9
10 28	0 35.48	+ 0 15.4	1.708	2.634	9.8	21.1
11 7	0 30.26	− 0 10.3	1.778	2.630	13.4	21.3

149701 2004 HD_{43} 10 7.1 180°.40 1°.6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.00	+ 3 6.8	1.725	2.548	16.1	20.6
9 8	1 16.47	+ 2 48.2	1.647	2.549	12.6	20.4
9 18	1 9.45	+ 2 19.5	1.590	2.549	8.5	20.1
9 28	1 0.53	+ 1 44.8	1.557	2.549	4.1	19.9
10 8	0 50.67	+ 1 9.4	1.552	2.549	1.9	19.7
10 18	0 40.99	+ 0 39.2	1.575	2.549	6.0	20.0
10 28	0 32.59	+ 0 19.5	1.624	2.548	10.3	20.2
11 7	0 26.33	+ 0 13.8	1.697	2.547	14.1	20.5

443422 2014 HV_{83} 10 7.1 27°.05 2°.2/ 5.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.62	+ 3 32.4	1.654	2.493	15.9	21.4
9 8	1 10.69	+ 2 43.1	1.586	2.498	12.4	21.2
9 18	1 5.48	+ 1 41.6	1.540	2.504	8.3	21.0
9 28	0 58.57	+ 0 33.4	1.518	2.510	4.0	20.8
10 8	0 50.88	− 0 33.9	1.522	2.517	2.6	20.7
10 18	0 43.41	− 1 32.9	1.553	2.524	6.4	21.0
10 28	0 37.17	− 2 17.0	1.609	2.532	10.5	21.2
11 7	0 32.90	− 2 42.5	1.689	2.539	14.1	21.5

518303 2017 BX_{25} 10 7.1 164°.35 6°.1/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.52	−13 30.5	2.586	3.421	11.0	21.4
9 8	1 9.76	−14 47.6	2.523	3.423	8.9	21.3
9 18	1 4.43	−16 2.9	2.485	3.424	7.0	21.2
9 28	0 57.95	−17 9.9	2.474	3.426	6.2	21.1
10 8	0 50.95	−18 3.2	2.490	3.428	6.8	21.2
10 18	0 44.09	−18 38.4	2.534	3.429	8.5	21.3
10 28	0 38.06	−18 53.5	2.602	3.430	10.5	21.4
11 7	0 33.37	−18 48.2	2.692	3.431	12.5	21.6

99170 2001 FT_{159} 10 7.1 168°.17 0°.5/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.82	+ 7 2.9	2.306	3.108	13.2	21.1
9 8	1 12.54	+ 6 28.8	2.223	3.112	10.3	21.0
9 18	1 6.43	+ 5 43.5	2.162	3.115	7.0	20.8
9 28	0 58.96	+ 4 50.2	2.128	3.118	3.4	20.5
10 8	0 50.85	+ 3 53.3	2.122	3.121	0.7	20.3
10 18	0 42.86	+ 2 58.1	2.146	3.123	4.4	20.6
10 28	0 35.81	+ 2 10.0	2.199	3.124	7.9	20.8
11 7	0 30.30	+ 1 33.0	2.278	3.125	11.1	21.1

106619 2000 WB_{124} 10 7.1 277°.63 2°.6/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.89	+ 1 21.7	1.767	2.601	15.3	20.1
9 8	1 13.33	+ 0 44.3	1.680	2.588	12.0	19.8
9 18	1 7.39	− 0 3.2	1.613	2.576	8.1	19.6
9 28	0 59.59	− 0 55.9	1.572	2.563	4.2	19.3
10 8	0 50.79	− 1 47.2	1.557	2.551	3.0	19.2
10 18	0 42.02	− 2 30.4	1.569	2.538	6.7	19.4
10 28	0 34.39	− 2 59.6	1.608	2.525	10.9	19.6
11 7	0 28.74	− 3 11.1	1.670	2.513	14.6	19.8

485810 2012 DL_{45} 10 7.1 40°.70 7°.8/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.13	−11 50.1	1.975	2.828	13.1	20.2
9 8	1 8.40	−14 13.1	1.925	2.836	10.6	20.1
9 18	1 3.74	−16 35.6	1.901	2.845	8.5	20.0
9 28	0 57.68	−18 47.2	1.904	2.854	7.9	19.9
10 8	0 50.99	−20 38.2	1.935	2.864	9.0	20.0
10 18	0 44.49	−22 1.8	1.991	2.873	11.1	20.2
10 28	0 39.03	−22 54.5	2.070	2.883	13.4	20.4
11 7	0 35.21	−23 17.1	2.169	2.893	15.5	20.5

156039 2001 SR_{4} 10 7.1 343°.35 0°.1/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.34	+ 6 28.9	1.217	2.067	19.8	19.4
9 8	1 12.36	+ 6 29.9	1.141	2.057	15.7	19.1
9 18	1 7.29	+ 6 14.9	1.083	2.048	10.9	18.8
9 28	0 59.72	+ 5 46.8	1.047	2.039	5.4	18.5
10 8	0 50.78	+ 5 11.5	1.033	2.032	0.6	18.1
10 18	0 41.91	+ 4 36.5	1.043	2.026	6.5	18.5
10 28	0 34.62	+ 4 10.1	1.077	2.021	12.1	18.8
11 7	0 30.02	+ 3 58.6	1.132	2.017	16.9	19.1

210439 2008 YO_{63} 10 7.1 20.°46 10.°0/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.08	−12 49.6	1.339	2.212	17.0	19.4
9 8	1 9.97	−14 51.2	1.297	2.219	13.8	19.2
9 18	1 5.19	−16 50.0	1.276	2.227	11.1	19.1
9 28	0 58.47	−18 32.9	1.277	2.235	10.0	19.0
10 8	0 50.92	−19 48.2	1.302	2.245	11.1	19.1
10 18	0 43.75	−20 28.7	1.349	2.255	13.7	19.3
10 28	0 38.11	−20 32.5	1.417	2.266	16.5	19.5
11 7	0 34.75	−20 2.4	1.503	2.278	19.2	19.7

485862 2012 FV_{6} 10 7.1 242.°16 2.°4/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.57	+14 56.8	2.489	3.257	13.2	22.4
9 8	1 11.63	+14 57.2	2.387	3.247	10.8	22.2
9 18	1 5.89	+14 44.0	2.307	3.238	8.0	22.0
9 28	0 58.76	+14 17.6	2.252	3.228	4.9	21.8
10 8	0 50.89	+13 40.2	2.225	3.218	2.4	21.6
10 18	0 43.01	+12 55.4	2.227	3.208	3.8	21.7
10 28	0 35.93	+12 8.1	2.259	3.197	7.0	21.9
11 7	0 30.31	+11 23.6	2.316	3.186	10.0	22.1

7099 Feuerbach 10 7.1 123.°09 0.°9/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.67	+ 4 45.4	2.572	3.379	11.8	18.3
9 8	1 10.62	+ 4 15.0	2.495	3.388	9.2	18.1
9 18	1 4.99	+ 3 36.3	2.442	3.398	6.2	18.0
9 28	0 58.23	+ 2 52.5	2.416	3.407	2.9	17.8
10 8	0 50.95	+ 2 7.5	2.419	3.416	1.1	17.7
10 18	0 43.82	+ 1 25.6	2.451	3.425	4.2	17.9
10 28	0 37.51	+ 0 51.0	2.512	3.433	7.3	18.1
11 7	0 32.55	+ 0 26.5	2.600	3.442	10.0	18.3

335494 2005 XS_{86} 10 7.1 347.°30 0.°5/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.29	+ 6 3.6	1.197	2.052	19.8	20.1
9 8	1 11.54	+ 5 58.1	1.124	2.042	15.7	19.9
9 18	1 6.72	+ 5 36.4	1.068	2.034	10.8	19.6
9 28	0 59.43	+ 5 1.9	1.034	2.027	5.2	19.2
10 8	0 50.82	+ 4 21.2	1.022	2.021	0.9	18.9
10 18	0 42.31	+ 3 42.3	1.034	2.016	6.7	19.3
10 28	0 35.39	+ 3 13.7	1.070	2.013	12.2	19.6
11 7	0 31.13	+ 3 1.5	1.126	2.011	17.0	19.9

31425 1999 BF_{3} 10 7.1 177.°32 4.°4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.72	− 4 12.1	2.107	2.936	13.3	18.3
9 8	1 14.18	− 5 17.2	2.033	2.938	10.4	18.1
9 18	1 7.62	− 6 27.2	1.983	2.940	7.3	18.0
9 28	0 59.57	− 7 35.9	1.959	2.941	4.7	17.8
10 8	0 50.82	− 8 36.5	1.963	2.941	4.9	17.8
10 18	0 42.25	− 9 23.0	1.996	2.941	7.5	18.0
10 28	0 34.72	− 9 51.4	2.056	2.940	10.6	18.2
11 7	0 28.92	−10 0.1	2.139	2.938	13.4	18.4

124083 2001 GC_{11} 10 7.1 48.°69 1.°5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.08	+ 9 7.2	1.009	1.853	23.4	18.5
9 8	1 19.35	+ 9 27.3	0.962	1.871	18.6	18.2
9 18	1 11.95	+ 9 27.5	0.931	1.890	13.0	18.0
9 28	1 1.85	+ 9 9.6	0.920	1.910	6.7	17.7
10 8	0 50.61	+ 8 39.5	0.932	1.930	1.5	17.5
10 18	0 40.05	+ 8 5.1	0.967	1.951	6.5	17.9
10 28	0 31.78	+ 7 35.8	1.026	1.972	12.2	18.3
11 7	0 26.76	+ 7 18.5	1.105	1.994	16.9	18.6

346462 2008 TZ_{90} 10 7.1 27.°06 3.°8/ 4.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.97	− 1 8.9	1.110	1.977	20.2	20.7
9 8	1 14.90	− 1 28.9	1.066	1.992	15.7	20.5
9 18	1 8.66	− 1 56.8	1.041	2.010	10.6	20.3
9 28	1 0.16	− 2 25.4	1.036	2.028	5.6	20.1
10 8	0 50.78	− 2 46.9	1.055	2.048	4.2	20.1
10 18	0 41.99	− 2 54.8	1.098	2.069	8.4	20.4
10 28	0 35.15	− 2 44.8	1.163	2.091	13.0	20.7
11 7	0 31.06	− 2 16.2	1.249	2.115	17.1	21.0

449745 2014 OU_{4} 10 7.1 175.°47 3.°6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.39	+18 6.1	2.352	3.107	14.3	20.9
9 8	1 12.37	+18 21.8	2.260	3.107	11.8	20.8
9 18	1 6.43	+18 22.2	2.189	3.107	9.0	20.6
9 28	0 59.04	+18 6.9	2.142	3.107	6.0	20.4
10 8	0 50.89	+17 37.5	2.123	3.107	3.8	20.2
10 18	0 42.79	+16 57.2	2.131	3.107	4.5	20.3
10 28	0 35.60	+16 11.2	2.169	3.107	7.2	20.5
11 7	0 29.99	+15 25.2	2.232	3.107	10.1	20.7

319038 2005 VD_{69} 10 7.1 255.°27 1.°1/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.16	+ 4 59.0	2.279	3.093	12.9	22.1
9 8	1 10.59	+ 4 24.5	2.188	3.086	10.1	21.9
9 18	1 5.19	+ 3 39.8	2.121	3.078	6.8	21.7
9 28	0 58.42	+ 2 48.3	2.079	3.071	3.2	21.4
10 8	0 50.95	+ 1 54.7	2.066	3.063	1.3	21.3
10 18	0 43.53	+ 1 4.2	2.081	3.055	4.8	21.5
10 28	0 36.97	+ 0 22.0	2.125	3.047	8.3	21.7
11 7	0 31.91	− 0 8.1	2.194	3.039	11.5	21.9

521570 2015 OJ_{105} 10 7.1 187.°49 4.°0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.24	+19 34.2	2.296	3.043	14.8	21.7
9 8	1 13.11	+19 45.9	2.203	3.043	12.3	21.6
9 18	1 6.98	+19 40.7	2.129	3.042	9.5	21.4
9 28	0 59.32	+19 18.1	2.080	3.041	6.5	21.2
10 8	0 50.86	+18 39.6	2.058	3.040	4.2	21.1
10 18	0 42.46	+17 48.8	2.064	3.038	4.7	21.1
10 28	0 35.00	+16 51.4	2.098	3.037	7.4	21.3
11 7	0 29.19	+15 53.9	2.159	3.035	10.4	21.4

481976 2009 FQ_{64} 10 7.1 261.°63 2.°9/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.54	− 1 40.8	2.109	2.933	13.5	22.1
9 8	1 15.03	− 2 5.5	2.014	2.916	10.6	21.9
9 18	1 8.37	− 2 35.7	1.941	2.900	7.3	21.7
9 28	1 0.04	− 3 7.1	1.894	2.883	4.0	21.5
10 8	0 50.81	− 3 34.7	1.876	2.866	3.3	21.4
10 18	0 41.57	− 3 53.7	1.886	2.849	6.3	21.5
10 28	0 33.30	− 4 0.1	1.924	2.831	9.9	21.7
11 7	0 26.76	− 3 51.6	1.985	2.813	13.2	21.9

442491 2011 VT_{1} 10 7.1 234.°54 3.°8/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.96	+20 44.9	2.291	3.037	14.8	21.2
9 8	1 11.40	+20 33.0	2.188	3.027	12.4	21.0
9 18	1 5.86	+20 1.7	2.105	3.018	9.6	20.8
9 28	0 58.80	+19 10.7	2.046	3.008	6.5	20.6
10 8	0 50.93	+18 2.2	2.013	2.997	4.0	20.5
10 18	0 43.07	+16 41.1	2.010	2.987	4.6	20.5
10 28	0 36.11	+15 14.1	2.035	2.976	7.4	20.6
11 7	0 30.77	+13 49.0	2.087	2.964	10.6	20.8

323030 2002 QN_{104} 10 7.1 84.°49 0.°7/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.08	+10 17.8	1.473	2.288	18.7	21.3
9 8	1 15.98	+ 9 54.7	1.412	2.306	14.8	21.1
9 18	1 9.18	+ 9 13.4	1.371	2.324	10.2	20.9
9 28	1 0.41	+ 8 17.1	1.353	2.342	5.2	20.6
10 8	0 50.79	+ 7 12.4	1.360	2.359	0.7	20.4
10 18	0 41.58	+ 6 7.3	1.395	2.377	5.4	20.7
10 28	0 33.95	+ 5 10.1	1.456	2.394	10.1	21.1
11 7	0 28.70	+ 4 27.1	1.540	2.410	14.1	21.4

474578 2004 FP_{111} 10 7.1 124.°22 0.°2/ 6.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.71	+ 7 27.0	1.787	2.596	16.1	22.3
9 8	1 16.06	+ 7 4.8	1.716	2.608	12.7	22.1
9 18	1 9.05	+ 6 29.3	1.667	2.621	8.7	21.9
9 28	1 0.32	+ 5 43.7	1.642	2.632	4.2	21.7
10 8	0 50.80	+ 4 53.4	1.645	2.644	0.5	21.4
10 18	0 41.55	+ 4 4.5	1.676	2.654	5.1	21.8
10 28	0 33.61	+ 3 23.3	1.734	2.665	9.3	22.0
11 7	0 27.72	+ 2 54.5	1.818	2.675	13.0	22.3

431910 2008 TB_{36} 10 7.1 70.°33 0.°2/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.59	+ 9 41.0	4.287	5.070	7.8	20.8
9 8	1 3.79	+ 8 59.4	4.199	5.076	6.2	20.7
9 18	1 0.11	+ 8 10.6	4.136	5.083	4.2	20.6
9 28	0 55.81	+ 7 16.4	4.101	5.089	2.1	20.4
10 8	0 51.24	+ 6 19.3	4.097	5.096	0.2	20.3
10 18	0 46.72	+ 5 22.2	4.123	5.102	2.3	20.5
10 28	0 42.62	+ 4 28.0	4.181	5.109	4.4	20.6
11 7	0 39.25	+ 3 39.2	4.266	5.115	6.3	20.8

488559 2001 UO_{195} 10 7.1 359.°02 0.°1/ 7.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.63	+ 8 11.3	1.140	1.995	20.5	21.1
9 8	1 10.29	+ 7 59.7	1.073	1.991	16.3	20.8
9 18	1 5.88	+ 7 28.1	1.024	1.989	11.3	20.5
9 28	0 59.02	+ 6 40.2	0.995	1.988	5.6	20.2
10 8	0 50.92	+ 5 43.2	0.989	1.988	0.5	19.9
10 18	0 43.02	+ 4 46.5	1.006	1.989	6.5	20.3
10 28	0 36.77	+ 4 0.0	1.046	1.992	12.0	20.6
11 7	0 33.19	+ 3 31.1	1.106	1.996	16.9	20.9

259774 2004 BU_{22} 10 7.1 292.°06 0.°4/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.62	+ 8 6.4	1.445	2.277	18.2	20.8
9 8	1 13.05	+ 7 37.6	1.353	2.258	14.5	20.5
9 18	1 7.65	+ 6 50.0	1.280	2.239	10.1	20.2
9 28	0 59.92	+ 5 46.4	1.229	2.221	4.9	19.9
10 8	0 50.83	+ 4 33.5	1.203	2.202	0.7	19.5
10 18	0 41.65	+ 3 20.3	1.203	2.183	6.3	19.9
10 28	0 33.77	+ 2 16.7	1.228	2.165	11.7	20.1
11 7	0 28.28	+ 1 30.6	1.275	2.147	16.4	20.4

259938 2004 EG_{50} 10 7.1 260.°92 2.°9/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.32	− 0 14.8	1.973	2.804	14.0	20.5
9 8	1 12.51	− 0 54.5	1.895	2.802	10.9	20.3
9 18	1 6.61	− 1 41.5	1.838	2.800	7.4	20.1
9 28	0 59.15	− 2 31.1	1.808	2.798	4.0	19.9
10 8	0 50.93	− 3 17.1	1.804	2.795	3.3	19.8
10 18	0 42.84	− 3 54.0	1.829	2.793	6.4	20.0
10 28	0 35.80	− 4 17.1	1.880	2.791	10.0	20.2
11 7	0 30.52	− 4 23.8	1.956	2.788	13.2	20.5

230380 2002 GU_{52} 10 7.1 132.°96 0.°1/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.17	+ 9 39.4	2.455	3.251	12.6	20.9
9 8	1 9.61	+ 8 57.6	2.373	3.258	9.9	20.7
9 18	1 4.40	+ 8 3.4	2.313	3.264	6.8	20.5
9 28	0 58.00	+ 6 59.6	2.280	3.269	3.4	20.3
10 8	0 51.05	+ 5 50.9	2.276	3.275	0.3	20.0
10 18	0 44.22	+ 4 42.3	2.301	3.280	3.9	20.3
10 28	0 38.22	+ 3 39.6	2.356	3.286	7.2	20.6
11 7	0 33.61	+ 2 47.2	2.436	3.291	10.2	20.8

151374 2002 EX_{19} 10 7.1 64.°07 1.°4/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.70	+10 20.8	2.095	2.887	14.6	19.2
9 8	1 14.20	+10 32.4	2.020	2.899	11.7	19.1
9 18	1 7.66	+10 32.1	1.967	2.912	8.2	18.9
9 28	0 59.63	+10 21.1	1.940	2.924	4.5	18.7
10 8	0 50.90	+10 2.0	1.939	2.937	1.5	18.5
10 18	0 42.37	+ 9 38.7	1.968	2.949	4.1	18.7
10 28	0 34.91	+ 9 15.9	2.025	2.962	7.7	18.9
11 7	0 29.21	+ 8 57.9	2.107	2.975	11.0	19.2

373443 1999 UY_{4} 10 7.1 324.°05 2.°8/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.45	+ 0 42.1	1.139	2.003	19.9	20.3
9 8	1 14.52	+ 0 39.9	1.053	1.978	15.9	20.0
9 18	1 9.17	+ 0 27.6	0.984	1.953	11.0	19.6
9 28	1 0.87	+ 0 10.1	0.936	1.930	5.6	19.2
10 8	0 50.76	− 0 5.7	0.910	1.907	3.2	19.0
10 18	0 40.42	− 0 12.2	0.908	1.886	8.4	19.2
10 28	0 31.66	− 0 2.5	0.928	1.866	14.3	19.5
11 7	0 25.88	+ 0 27.2	0.966	1.847	19.6	19.7

25988 Janesuh 10 7.1 231.°13 1.°7/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.05	+ 2 39.4	2.188	3.003	13.4	20.3
9 8	1 13.75	+ 2 7.7	2.095	2.993	10.5	20.1
9 18	1 7.44	+ 1 27.1	2.024	2.981	7.1	19.8
9 28	0 59.58	+ 0 41.2	1.979	2.970	3.5	19.6
10 8	0 50.91	− 0 4.9	1.962	2.958	2.0	19.5
10 18	0 42.26	− 0 46.1	1.975	2.945	5.4	19.7
10 28	0 34.54	− 1 17.3	2.016	2.932	9.1	19.9
11 7	0 28.45	− 1 35.1	2.082	2.919	12.3	20.1

13235 Isiguroyuki 10 7.1 84.°54 0.°6/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.96	+ 7 59.1	1.460	2.288	18.2	17.8
9 8	1 13.72	+ 7 17.7	1.389	2.293	14.3	17.5
9 18	1 7.79	+ 6 18.3	1.338	2.298	9.8	17.3
9 28	0 59.83	+ 5 5.5	1.311	2.303	4.7	17.0
10 8	0 50.89	+ 3 47.0	1.309	2.308	1.0	16.8
10 18	0 42.19	+ 2 32.0	1.334	2.313	6.1	17.1
10 28	0 34.94	+ 1 29.3	1.384	2.317	10.9	17.4
11 7	0 30.02	+ 0 45.1	1.457	2.322	15.1	17.7

295491 2008 RO_{20} 10 7.1 299.°39 0.°5/ 8.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.20	+10 11.8	4.216	4.996	8.0	21.2
9 8	1 4.33	+ 9 50.3	4.116	4.990	6.3	21.1
9 18	1 0.53	+ 9 21.7	4.040	4.984	4.4	20.9
9 28	0 56.06	+ 8 47.3	3.991	4.977	2.3	20.8
10 8	0 51.25	+ 8 9.3	3.972	4.971	0.5	20.6
10 18	0 46.48	+ 7 30.0	3.984	4.964	2.3	20.7
10 28	0 42.11	+ 6 51.9	4.026	4.958	4.4	20.9
11 7	0 38.48	+ 6 17.8	4.095	4.952	6.3	21.0

217657 1998 RF_{61} 10 7.1 21.°46 4.°8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 24.85	+13 17.4	1.509	2.303	19.3	18.5
9 8	1 19.92	+14 44.7	1.445	2.317	15.8	18.3
9 18	1 12.04	+15 57.8	1.400	2.333	11.8	18.1
9 28	1 1.91	+16 53.8	1.378	2.351	7.7	17.9
10 8	0 50.70	+17 31.6	1.382	2.369	4.9	17.8
10 18	0 39.77	+17 52.6	1.412	2.389	6.2	17.9
10 28	0 30.47	+18 1.7	1.469	2.409	9.8	18.2
11 7	0 23.76	+18 5.3	1.550	2.431	13.4	18.5

45099 1999 XN_{66} 10 7.1 275.°22 0.°3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.17	+ 8 58.7	2.286	3.087	13.3	19.8
9 8	1 10.60	+ 8 38.7	2.198	3.084	10.5	19.6
9 18	1 5.21	+ 8 6.8	2.131	3.082	7.3	19.4
9 28	0 58.46	+ 7 25.2	2.090	3.079	3.7	19.2
10 8	0 51.03	+ 6 37.8	2.077	3.076	0.4	18.9
10 18	0 43.67	+ 5 49.4	2.093	3.074	4.0	19.2
10 28	0 37.18	+ 5 5.3	2.138	3.071	7.6	19.4
11 7	0 32.19	+ 4 29.8	2.208	3.068	10.8	19.6

39284 2001 BB_{62} 10 7.1 252.°39 1.°1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.10	+13 50.1	4.529	5.289	7.8	19.5
9 8	1 4.19	+13 33.4	4.428	5.286	6.3	19.3
9 18	1 0.40	+13 9.1	4.351	5.282	4.5	19.2
9 28	0 55.99	+12 38.1	4.301	5.279	2.7	19.1
10 8	0 51.27	+12 2.0	4.281	5.275	1.2	18.9
10 18	0 46.58	+11 23.0	4.291	5.272	2.1	19.0
10 28	0 42.28	+10 43.6	4.332	5.269	4.0	19.2
11 7	0 38.67	+10 6.2	4.401	5.265	5.8	19.3

417157 2005 WX_{21} 10 7.1 283.°49 2.°8/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.77	+19 1.2	3.206	3.947	11.1	21.6
9 8	1 7.51	+18 56.6	3.100	3.937	9.2	21.4
9 18	1 2.90	+18 39.3	3.015	3.928	7.0	21.3
9 28	0 57.29	+18 9.4	2.956	3.918	4.7	21.1
10 8	0 51.14	+17 28.8	2.925	3.909	3.0	21.0
10 18	0 45.01	+16 40.0	2.923	3.899	3.4	21.0
10 28	0 39.47	+15 47.1	2.951	3.890	5.5	21.1
11 7	0 34.99	+14 54.3	3.006	3.880	7.8	21.3

476230 2007 VC_{24} 10 7.1 198.°11 4.°8/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.60	− 7 21.4	2.185	3.013	12.9	21.8
9 8	1 14.83	− 8 4.8	2.108	3.011	10.2	21.6
9 18	1 8.07	− 8 49.7	2.055	3.009	7.3	21.4
9 28	0 59.85	− 9 30.6	2.028	3.006	5.1	21.3
10 8	0 50.91	−10 1.7	2.029	3.003	5.2	21.3
10 18	0 42.13	−10 18.6	2.059	2.999	7.6	21.4
10 28	0 34.38	−10 18.2	2.115	2.995	10.5	21.6
11 7	0 28.32	−10 0.1	2.195	2.991	13.2	21.8

144599 2004 FZ_{44} 10 7.1 231.°01 2.°3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.57	+ 1 28.6	2.275	3.095	12.7	20.8
9 8	1 11.71	+ 0 42.3	2.185	3.087	9.9	20.6
9 18	1 5.99	− 0 12.5	2.118	3.077	6.7	20.4
9 28	0 58.87	− 1 11.5	2.078	3.068	3.4	20.2
10 8	0 51.02	− 2 9.3	2.066	3.058	2.6	20.1
10 18	0 43.22	− 3 0.2	2.083	3.048	5.6	20.3
10 28	0 36.29	− 3 39.3	2.128	3.038	9.0	20.5
11 7	0 30.89	− 4 3.5	2.198	3.027	12.1	20.6

473328 2015 TV_{12} 10 7.1 116.°29 3.°9/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.08	+18 56.9	2.173	2.925	15.4	21.0
9 8	1 13.80	+19 9.8	2.091	2.935	12.7	20.8
9 18	1 7.47	+19 5.4	2.028	2.944	9.7	20.6
9 28	0 59.59	+18 43.4	1.990	2.954	6.5	20.4
10 8	0 50.96	+18 5.8	1.979	2.963	4.1	20.3
10 18	0 42.48	+17 16.4	1.996	2.972	4.7	20.4
10 28	0 35.04	+16 21.2	2.041	2.980	7.5	20.6
11 7	0 29.34	+15 26.8	2.112	2.988	10.6	20.8

322946 2002 GB_{141} 10 7.2 262.°23 2.°4/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.10	+ 2 22.4	1.443	2.282	17.9	21.4
9 8	1 16.38	+ 1 54.5	1.365	2.276	14.1	21.2
9 18	1 9.78	+ 1 14.8	1.307	2.270	9.6	20.9
9 28	1 0.91	+ 0 28.2	1.272	2.264	4.7	20.6
10 8	0 50.85	− 0 18.0	1.263	2.259	2.8	20.5
10 18	0 40.91	− 0 56.3	1.280	2.253	7.2	20.7
10 28	0 32.45	− 1 19.8	1.321	2.247	12.0	21.0
11 7	0 26.45	− 1 24.6	1.385	2.241	16.3	21.2

397606 2007 VQ_{157} 10 7.2 257.°94 1.°5/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.74	+ 4 9.5	1.908	2.732	14.7	21.8
9 8	1 12.18	+ 3 32.6	1.827	2.730	11.5	21.6
9 18	1 6.47	+ 2 44.5	1.768	2.728	7.7	21.4
9 28	0 59.15	+ 1 49.4	1.734	2.726	3.7	21.1
10 8	0 51.02	+ 0 53.2	1.728	2.724	1.9	21.0
10 18	0 43.02	+ 0 2.0	1.749	2.722	5.6	21.2
10 28	0 36.09	− 0 38.0	1.798	2.721	9.5	21.5
11 7	0 30.96	− 1 3.1	1.870	2.719	13.0	21.7

412198 2013 GW_{101} 10 7.2 90.°55 4.°4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.12	− 7 12.3	2.319	3.150	12.2	20.7
9 8	1 12.68	− 7 53.2	2.256	3.160	9.5	20.5
9 18	1 6.47	− 8 35.1	2.215	3.170	6.8	20.3
9 28	0 59.03	− 9 12.8	2.202	3.180	4.7	20.2
10 8	0 51.04	− 9 41.3	2.216	3.190	4.8	20.3
10 18	0 43.28	− 9 56.9	2.259	3.200	7.0	20.4
10 28	0 36.50	− 9 56.9	2.328	3.209	9.6	20.6
11 7	0 31.25	− 9 41.1	2.421	3.219	12.1	20.8

104274 2000 EU_{150} 10 7.2 242.°79 1.°2/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.02	+ 5 43.3	1.798	2.617	15.7	20.6
9 8	1 14.26	+ 5 5.5	1.706	2.605	12.4	20.4
9 18	1 8.09	+ 4 13.8	1.634	2.593	8.4	20.1
9 28	1 0.03	+ 3 11.9	1.588	2.580	4.0	19.8
10 8	0 50.94	+ 2 6.1	1.569	2.567	1.5	19.6
10 18	0 41.85	+ 1 3.5	1.578	2.553	5.8	19.9
10 28	0 33.88	+ 0 11.5	1.614	2.539	10.3	20.1
11 7	0 27.90	− 0 24.6	1.673	2.525	14.2	20.3

209601 2004 YP_{4} 10 7.2 12.°55 4.°7/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.05	+14 39.4	0.957	1.803	24.2	19.2
9 8	1 12.82	+15 20.3	0.900	1.806	19.9	19.0
9 18	1 7.95	+15 35.0	0.858	1.810	14.8	18.7
9 28	1 0.17	+15 21.8	0.834	1.816	9.2	18.4
10 8	0 50.93	+14 44.2	0.830	1.823	4.9	18.2
10 18	0 42.00	+13 50.3	0.848	1.832	7.0	18.4
10 28	0 35.13	+12 52.3	0.887	1.843	12.2	18.7
11 7	0 31.47	+12 2.2	0.946	1.854	17.2	19.0

443002 2013 CO_{193} 10 7.2 192.°64 3.°4/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.09	+ 0 26.2	2.227	3.056	12.7	21.3
9 8	1 9.76	− 1 5.8	2.147	3.055	9.8	21.1
9 18	1 4.65	− 2 47.6	2.092	3.054	6.6	20.9
9 28	0 58.21	− 4 32.7	2.065	3.053	3.9	20.8
10 8	0 51.12	− 6 13.4	2.067	3.051	3.9	20.8
10 18	0 44.15	− 7 42.6	2.098	3.049	6.7	20.9
10 28	0 38.06	− 8 54.1	2.156	3.047	9.9	21.1
11 7	0 33.47	− 9 44.7	2.239	3.045	12.7	21.3

454247 2013 LT_{22} 10 7.2 13.°71 7.°9/29.4 18

8 29	1 17.93	−17 11.2	2.077	2.913	13.3	20.0
9 8	1 13.62	−18 7.0	2.020	2.914	11.0	19.8
9 18	1 7.26	−18 56.8	1.984	2.916	9.0	19.7
9 28	0 59.46	−19 33.4	1.973	2.918	8.0	19.7
10 8	0 51.02	−19 50.9	1.989	2.921	8.5	19.7
10 18	0 42.85	−19 45.7	2.029	2.924	10.3	19.8
10 28	0 35.82	−19 16.9	2.094	2.927	12.6	20.0
11 7	0 30.57	−18 26.2	2.180	2.930	14.7	20.1

67304 2000 GZ_{157} 10 7.2 323.°59 3.°3/ 4.1 18

8 29	1 12.62	− 0 38.3	1.805	2.650	14.6	17.7
9 8	1 10.05	− 1 19.0	1.710	2.625	11.4	17.5
9 18	1 5.26	− 2 8.6	1.637	2.601	7.8	17.2
9 28	0 58.67	− 3 1.8	1.587	2.578	4.3	16.9
10 8	0 51.08	− 3 52.0	1.565	2.555	3.8	16.9
10 18	0 43.43	− 4 32.3	1.568	2.533	7.2	17.0
10 28	0 36.77	− 4 56.8	1.597	2.511	11.2	17.2
11 7	0 31.94	− 5 2.3	1.649	2.490	14.8	17.4

468855 2013 AK_{133} 10 7.2 330.°54 5.°2/24.9 18

8 29	1 7.41	−20 57.6	4.352	5.172	7.1	20.8
9 8	1 4.51	−22 12.1	4.296	5.171	6.1	20.7
9 18	1 0.67	−23 22.4	4.266	5.171	5.3	20.7
9 28	0 56.16	−24 24.8	4.263	5.170	5.2	20.6
10 8	0 51.33	−25 16.0	4.288	5.169	5.7	20.7
10 18	0 46.55	−25 53.8	4.340	5.169	6.7	20.8
10 28	0 42.20	−26 16.7	4.415	5.168	7.8	20.8
11 7	0 38.61	−26 24.8	4.512	5.167	8.8	20.9

12530 Richardson 10 7.2 104.°26 3.°1/ 4.2 18

8 29	1 16.69	+ 0 28.3	1.796	2.630	15.0	18.4
9 8	1 12.95	− 0 25.2	1.727	2.636	11.7	18.2
9 18	1 6.98	− 1 27.7	1.679	2.642	7.9	18.0
9 28	0 59.39	− 2 33.2	1.657	2.647	4.2	17.8
10 8	0 51.03	− 3 34.7	1.662	2.653	3.6	17.8
10 18	0 42.90	− 4 25.2	1.695	2.658	6.9	18.0
10 28	0 35.95	− 4 59.5	1.754	2.664	10.6	18.2
11 7	0 30.91	− 5 14.9	1.836	2.669	13.9	18.4

226123 2002 QY_{67} 10 7.2 318.°73 4.°7/11.9 17

8 29	1 14.90	+20 10.4	2.179	2.932	15.3	20.2
9 8	1 11.57	+20 39.1	2.078	2.919	12.9	20.0
9 18	1 6.16	+20 51.1	1.996	2.906	10.1	19.8
9 28	0 59.07	+20 45.0	1.937	2.894	7.2	19.6
10 8	0 51.05	+20 21.3	1.904	2.882	5.0	19.4
10 18	0 42.96	+19 42.9	1.898	2.871	5.3	19.4
10 28	0 35.77	+18 55.0	1.920	2.859	7.9	19.6
11 7	0 30.27	+18 4.2	1.967	2.849	11.0	19.7

322672 1999 TE_{221} 10 7.2 30.°90 2.°4/ 9.1 18 R

8 29	1 13.57	+14 41.7	1.160	1.991	21.8	19.5
9 8	1 11.71	+14 21.7	1.101	2.000	17.6	19.2
9 18	1 6.75	+13 34.2	1.058	2.010	12.6	19.0
9 28	0 59.44	+12 21.7	1.036	2.022	7.1	18.7
10 8	0 51.04	+10 52.0	1.037	2.034	2.5	18.5
10 18	0 43.00	+ 9 16.1	1.062	2.047	5.8	18.7
10 28	0 36.73	+ 7 46.9	1.111	2.060	11.1	19.1
11 7	0 33.12	+ 6 34.6	1.181	2.075	15.8	19.4

204500 2005 CK_{27} 10 7.2 159.°26 1.°7/ 8.9 18

8 29	1 17.84	+13 6.6	2.235	3.013	14.2	21.2
9 8	1 13.51	+12 55.1	2.149	3.019	11.5	21.1
9 18	1 7.23	+12 29.1	2.085	3.023	8.2	20.9
9 28	0 59.49	+11 50.0	2.046	3.028	4.6	20.7
10 8	0 51.04	+11 1.1	2.035	3.032	1.7	20.5
10 18	0 42.71	+10 7.2	2.054	3.035	3.9	20.6
10 28	0 35.36	+ 9 14.1	2.101	3.038	7.5	20.9
11 7	0 29.66	+ 8 27.2	2.175	3.041	10.7	21.1

93661 2000 UQ_{104} 10 7.2 337.°80 0.°9/ 6.4 18

8 29	1 18.50	+ 3 24.7	2.007	2.824	14.3	19.0
9 8	1 14.25	+ 3 22.9	1.923	2.821	11.3	18.8
9 18	1 7.86	+ 3 13.3	1.861	2.818	7.6	18.5
9 28	0 59.84	+ 2 58.4	1.824	2.816	3.7	18.3
10 8	0 51.01	+ 2 42.2	1.815	2.813	1.2	18.1
10 18	0 42.27	+ 2 28.6	1.835	2.811	5.0	18.4
10 28	0 34.59	+ 2 21.9	1.882	2.809	8.9	18.6
11 7	0 28.69	+ 2 25.0	1.954	2.808	12.3	18.8

476063 2007 SG_{13} 10 7.2 36.°44 2.°9/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 22.45	+12 2.9	1.723	2.515	17.3	20.5
9 8	1 17.80	+12 42.3	1.643	2.519	14.1	20.3
9 18	1 10.53	+13 8.0	1.583	2.523	10.2	20.1
9 28	1 1.23	+13 19.4	1.547	2.527	6.1	19.8
10 8	0 50.88	+13 18.0	1.537	2.531	3.0	19.7
10 18	0 40.65	+13 7.0	1.555	2.536	5.1	19.8
10 28	0 31.74	+12 51.9	1.600	2.541	9.1	20.1
11 7	0 25.06	+12 38.3	1.670	2.546	12.9	20.3

74657 1999 RG_{88} 10 7.2 339.°84 0.°8/ 6.6 18

8 29	1 13.74	+ 7 44.3	1.259	2.105	19.5	19.2
9 8	1 11.77	+ 7 8.1	1.185	2.099	15.5	18.9
9 18	1 6.83	+ 6 11.4	1.129	2.093	10.6	18.6
9 28	0 59.55	+ 4 59.0	1.095	2.088	5.1	18.3
10 8	0 51.03	+ 3 39.1	1.085	2.083	1.2	18.0
10 18	0 42.64	+ 2 22.4	1.099	2.080	6.7	18.4
10 28	0 35.79	+ 1 19.2	1.138	2.077	12.2	18.7
11 7	0 31.49	+ 0 37.0	1.197	2.074	16.8	19.0

478989 2012 XD_{124} 10 7.2 348.°61 11.°7/27.2 16

8 29	1 13.36	−16 53.6	1.288	2.159	17.6	20.4
9 8	1 11.37	−18 37.6	1.235	2.151	14.8	20.2
9 18	1 6.44	−20 15.7	1.201	2.143	12.5	20.1
9 28	0 59.29	−21 34.4	1.189	2.137	11.7	20.0
10 8	0 51.07	−22 22.2	1.198	2.132	12.8	20.1
10 18	0 43.13	−22 31.9	1.229	2.128	15.3	20.2
10 28	0 36.79	−22 2.2	1.279	2.125	18.2	20.4
11 7	0 32.96	−20 57.2	1.346	2.123	21.0	20.6

316554 2011 AU_{49} 10 7.2 311.°51 0.°4/ 6.8 17

8 29	1 14.34	+ 6 20.3	2.130	2.944	13.7	21.8
9 8	1 10.95	+ 6 1.9	2.039	2.935	10.8	21.6
9 18	1 5.59	+ 5 32.7	1.970	2.926	7.4	21.3
9 28	0 58.75	+ 4 55.3	1.926	2.917	3.6	21.1
10 8	0 51.12	+ 4 14.0	1.909	2.908	0.6	20.8
10 18	0 43.53	+ 3 33.7	1.921	2.900	4.6	21.1
10 28	0 36.85	+ 2 59.6	1.961	2.891	8.4	21.3
11 7	0 31.77	+ 2 36.0	2.025	2.883	11.8	21.5

523060 2016 QF_{91} 10 7.2 308.°95 9.°4/27.8 18

8 29	1 15.56	−14 43.0	1.641	2.496	15.3	20.2
9 8	1 12.46	−16 25.8	1.579	2.488	12.6	20.0
9 18	1 6.89	−18 6.4	1.539	2.480	10.3	19.9
9 28	0 59.44	−19 33.8	1.523	2.473	9.4	19.8
10 8	0 51.06	−20 38.1	1.531	2.466	10.4	19.8
10 18	0 42.88	−21 12.3	1.563	2.459	12.8	20.0
10 28	0 35.98	−21 13.5	1.617	2.452	15.5	20.1
11 7	0 31.20	−20 43.6	1.689	2.446	18.1	20.3

451350 2010 WW_{20} 10 7.2 177.°26 4.°3/ 2.6 18

8 29	1 16.54	− 6 30.5	2.326	3.157	12.2	21.4
9 8	1 12.33	− 7 13.2	2.253	3.158	9.5	21.2
9 18	1 6.33	− 7 57.9	2.202	3.158	6.8	21.0
9 28	0 59.03	− 8 39.3	2.179	3.158	4.6	20.9
10 8	0 51.11	− 9 12.4	2.183	3.158	4.7	20.9
10 18	0 43.34	− 9 32.7	2.215	3.158	7.0	21.0
10 28	0 36.50	− 9 37.5	2.274	3.158	9.7	21.2
11 7	0 31.17	− 9 25.9	2.357	3.158	12.3	21.4

392765 2012 TH_{57} 10 7.2 339.°12 4.°1/ 4.5 18

8 29	1 20.34	− 3 23.6	1.470	2.316	17.2	20.4
9 8	1 16.49	− 3 37.7	1.395	2.309	13.5	20.1
9 18	1 9.82	− 3 56.3	1.340	2.303	9.4	19.9
9 28	1 0.94	− 4 13.7	1.308	2.297	5.3	19.6
10 8	0 50.94	− 4 23.4	1.301	2.291	4.5	19.6
10 18	0 41.10	− 4 20.1	1.321	2.287	8.1	19.8
10 28	0 32.72	− 4 0.0	1.365	2.283	12.4	20.0
11 7	0 26.77	− 3 22.3	1.431	2.279	16.3	20.2

428164 2006 SB_{361} 10 7.2 349.°67 0.°4/ 7.5 17

8 29	1 10.39	+11 23.6	1.184	2.030	20.5	20.8
9 8	1 9.30	+10 41.5	1.112	2.024	16.4	20.5
9 18	1 5.23	+ 9 33.0	1.057	2.019	11.5	20.3
9 28	0 58.80	+ 8 2.0	1.023	2.015	5.8	19.9
10 8	0 51.13	+ 6 17.6	1.012	2.011	0.5	19.5
10 18	0 43.61	+ 4 32.4	1.026	2.009	6.4	20.0
10 28	0 37.65	+ 2 59.5	1.063	2.008	12.0	20.3
11 7	0 34.26	+ 1 49.0	1.121	2.008	16.9	20.6

406250 2007 DL_{32} 10 7.2 199.°66 1.°4/ 5.5 18

8 29	1 14.21	+ 3 48.6	2.374	3.189	12.4	22.0
9 8	1 10.54	+ 3 9.1	2.290	3.188	9.7	21.9
9 18	1 5.15	+ 2 20.5	2.228	3.187	6.5	21.7
9 28	0 58.48	+ 1 26.5	2.193	3.185	3.1	21.4
10 8	0 51.18	+ 0 32.0	2.187	3.183	1.7	21.3
10 18	0 43.98	− 0 18.1	2.210	3.181	4.8	21.5
10 28	0 37.62	− 0 59.0	2.261	3.179	8.1	21.8
11 7	0 32.69	− 1 27.3	2.338	3.177	11.1	21.9

265446 2004 XV_{82} 10 7.2 12°.92 5°.1/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 15.23	− 7 39.0	2.063	2.904	13.1	19.7
9 8	1 11.54	− 8 29.3	1.996	2.905	10.3	19.5
9 18	1 5.91	− 9 21.0	1.951	2.907	7.4	19.3
9 28	0 58.86	−10 8.0	1.932	2.909	5.4	19.2
10 8	0 51.15	−10 44.3	1.940	2.911	5.6	19.2
10 18	0 43.63	−11 5.0	1.975	2.914	8.0	19.4
10 28	0 37.14	−11 7.3	2.036	2.917	10.8	19.5
11 7	0 32.31	−10 50.6	2.119	2.920	13.5	19.7

485380 2011 FY_{71} 10 7.2 203°.27 0°.7/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.29	+ 3 32.7	3.147	3.943	10.1	22.1
9 8	1 11.70	+ 3 21.6	3.052	3.939	7.9	22.0
9 18	1 5.71	+ 3 4.7	2.982	3.935	5.3	21.8
9 28	0 58.70	+ 2 44.3	2.939	3.930	2.6	21.6
10 8	0 51.17	+ 2 23.0	2.927	3.924	0.9	21.4
10 18	0 43.69	+ 2 3.5	2.945	3.919	3.6	21.7
10 28	0 36.84	+ 1 48.9	2.993	3.913	6.3	21.8
11 7	0 31.13	+ 1 41.3	3.069	3.906	8.8	22.0

451797 2013 HH_{21} 10 7.2 17°.71 4°.2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.90	− 6 12.2	1.973	2.804	14.0	20.3
9 8	1 16.04	− 6 26.8	1.901	2.806	11.0	20.1
9 18	1 9.01	− 6 42.4	1.851	2.808	7.7	19.9
9 28	1 0.38	− 6 54.2	1.827	2.811	4.9	19.8
10 8	0 51.03	− 6 57.4	1.831	2.814	4.5	19.8
10 18	0 41.90	− 6 48.3	1.862	2.817	7.1	19.9
10 28	0 33.94	− 6 24.9	1.921	2.821	10.4	20.1
11 7	0 27.86	− 5 46.8	2.003	2.824	13.4	20.3

258765 2002 JT_{17} 10 7.2 190°.11 1°.7/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.91	+ 1 8.5	2.700	3.509	11.3	21.5
9 8	1 12.39	+ 0 45.2	2.613	3.508	8.8	21.3
9 18	1 6.28	+ 0 16.2	2.550	3.507	5.9	21.1
9 28	0 59.00	− 0 15.4	2.515	3.505	2.9	20.9
10 8	0 51.15	− 0 45.9	2.509	3.503	1.9	20.8
10 18	0 43.39	− 1 11.7	2.533	3.500	4.6	21.0
10 28	0 36.39	− 1 29.4	2.585	3.497	7.5	21.2
11 7	0 30.71	− 1 36.7	2.664	3.494	10.2	21.4

300583 2007 TM_{385} 10 7.2 252°.23 0°.6/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.27	+ 5 20.1	2.156	2.962	13.8	21.3
9 8	1 14.86	+ 5 8.2	2.055	2.946	11.0	21.1
9 18	1 8.34	+ 4 46.5	1.976	2.930	7.5	20.9
9 28	1 0.16	+ 4 17.5	1.923	2.914	3.6	20.6
10 8	0 51.04	+ 3 45.0	1.898	2.897	0.8	20.3
10 18	0 41.88	+ 3 13.6	1.902	2.879	4.8	20.6
10 28	0 33.63	+ 2 48.2	1.935	2.862	8.7	20.8
11 7	0 27.08	+ 2 33.0	1.993	2.844	12.3	21.0

216142 2006 SQ_{147} 10 7.2 204°.58 0°.5/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.16	+ 9 54.6	1.752	2.558	16.6	21.5
9 8	1 15.18	+ 9 30.1	1.666	2.554	13.2	21.3
9 18	1 8.74	+ 8 49.0	1.600	2.551	9.2	21.1
9 28	1 0.39	+ 7 53.9	1.558	2.547	4.7	20.8
10 8	0 51.02	+ 6 50.0	1.543	2.542	0.5	20.5
10 18	0 41.75	+ 5 44.2	1.556	2.537	5.1	20.8
10 28	0 33.69	+ 4 44.4	1.596	2.531	9.6	21.1
11 7	0 27.70	+ 3 56.9	1.661	2.525	13.6	21.3

385299 2001 UA_{181} 10 7.2 346°.58 1°.0/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.08	+ 6 33.3	1.180	2.038	19.8	20.9
9 8	1 9.87	+ 6 7.3	1.107	2.028	15.7	20.6
9 18	1 5.66	+ 5 22.0	1.052	2.019	10.7	20.3
9 28	0 59.05	+ 4 22.2	1.018	2.012	5.2	20.0
10 8	0 51.14	+ 3 16.0	1.007	2.005	1.4	19.7
10 18	0 43.33	+ 2 13.6	1.019	2.000	7.0	20.1
10 28	0 37.08	+ 1 24.8	1.055	1.997	12.5	20.4
11 7	0 33.42	+ 0 56.7	1.110	1.994	17.3	20.6

269760 1999 SS_{5} 10 7.2 341°.65 1°.9/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 37.26	+ 0 10.1	1.057	1.892	23.1	18.9
9 8	1 31.76	+ 2 16.4	0.972	1.877	18.9	18.6
9 18	1 21.63	+ 4 31.5	0.905	1.863	13.5	18.2
9 28	1 7.33	+ 6 52.9	0.860	1.850	7.1	17.8
10 8	0 50.36	+ 9 15.0	0.841	1.839	1.9	17.5
10 18	0 33.04	+11 29.9	0.848	1.830	7.9	17.8
10 28	0 17.95	+13 32.7	0.881	1.822	14.4	18.1
11 7	0 6.97	+15 23.5	0.936	1.817	20.1	18.5

166399 2002 NY_{22} 10 7.2 156°.19 5°.0/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.69	+23 0.8	2.270	2.995	15.5	20.3
9 8	1 14.33	+23 15.5	2.181	3.001	13.1	20.1
9 18	1 7.90	+23 11.2	2.111	3.007	10.4	20.0
9 28	0 59.89	+22 46.7	2.064	3.012	7.5	19.8
10 8	0 51.08	+22 3.2	2.044	3.016	5.3	19.7
10 18	0 42.37	+21 4.4	2.052	3.021	5.4	19.7
10 28	0 34.68	+19 56.4	2.088	3.024	7.6	19.8
11 7	0 28.73	+18 46.4	2.151	3.028	10.4	20.0

171325 2006 HD_{101} 10 7.2 28°.24 1°.7/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.57	+ 5 15.7	1.389	2.235	18.0	19.6
9 8	1 11.09	+ 4 30.3	1.331	2.246	14.0	19.4
9 18	1 6.01	+ 3 29.8	1.292	2.257	9.4	19.1
9 28	0 59.01	+ 2 19.9	1.276	2.270	4.4	18.9
10 8	0 51.16	+ 1 9.4	1.285	2.283	2.1	18.8
10 18	0 43.64	+ 0 6.7	1.320	2.296	6.6	19.1
10 28	0 37.58	− 0 40.3	1.380	2.311	11.1	19.4
11 7	0 33.76	− 1 7.4	1.461	2.326	15.1	19.7

303063 2003 YL_{141} 10 7.2 327°.17 5°.4/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.11	− 6 41.9	1.532	2.381	16.5	20.2
9 8	1 16.29	− 7 4.4	1.453	2.367	13.1	19.9
9 18	1 9.69	− 7 28.7	1.394	2.354	9.4	19.7
9 28	1 0.91	− 7 48.1	1.358	2.342	6.1	19.5
10 8	0 50.99	− 7 55.8	1.348	2.330	5.9	19.4
10 18	0 41.16	− 7 46.2	1.363	2.319	9.0	19.6
10 28	0 32.72	− 7 16.5	1.403	2.309	13.0	19.8
11 7	0 26.62	− 6 26.5	1.464	2.299	16.7	20.0

153957 2002 AB_{29} 10 7.2 218°.95 11°.2/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 36.43	−53 30.3	3.733	4.358	11.3	24.6
9 8	1 28.11	−55 6.4	3.710	4.343	11.2	24.5
9 18	1 17.24	−56 24.2	3.705	4.326	11.3	24.5
9 28	1 4.44	−57 17.7	3.719	4.308	11.6	24.5
10 8	0 50.68	−57 42.8	3.750	4.289	12.0	24.6
10 18	0 37.13	−57 38.4	3.797	4.269	12.5	24.6
10 28	0 24.93	−57 5.6	3.857	4.248	13.0	24.6
11 7	0 14.94	−56 8.1	3.927	4.225	13.3	24.7

441260 2007 VD_{309} 10 7.2 351°.24 3°.3/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.98	+15 23.5	1.780	2.568	17.0	21.5
9 8	1 13.51	+15 38.2	1.696	2.566	14.0	21.3
9 18	1 7.62	+15 35.1	1.630	2.565	10.4	21.1
9 28	0 59.85	+15 14.2	1.588	2.564	6.4	20.8
10 8	0 51.09	+14 37.9	1.571	2.563	3.4	20.7
10 18	0 42.40	+13 50.9	1.581	2.562	5.0	20.8
10 28	0 34.90	+13 0.3	1.619	2.562	8.8	21.0
11 7	0 29.42	+12 13.2	1.680	2.562	12.5	21.2

500815 2013 GU_{87} 10 7.2 33°.14 5°.1/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.44	+ 2 19.1	0.827	1.716	23.2	19.9
9 8	1 11.30	+ 0 42.8	0.798	1.738	17.8	19.6
9 18	1 6.56	− 1 10.1	0.785	1.760	11.8	19.4
9 28	0 59.31	− 3 5.3	0.792	1.785	6.4	19.2
10 8	0 51.16	− 4 46.4	0.819	1.811	5.9	19.3
10 18	0 43.79	− 6 0.4	0.869	1.838	10.5	19.7
10 28	0 38.61	− 6 40.2	0.939	1.866	15.5	20.1
11 7	0 36.38	− 6 45.8	1.026	1.895	19.7	20.4

123584 2000 XT_{40} 10 7.2 358°.44 6°.5/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.43	+15 36.7	1.309	2.111	21.3	17.5
9 8	1 18.89	+17 10.4	1.232	2.107	17.9	17.3
9 18	1 11.96	+18 28.4	1.173	2.105	13.8	17.1
9 28	1 2.23	+19 26.1	1.135	2.103	9.6	16.8
10 8	0 50.86	+20 0.6	1.120	2.103	6.7	16.7
10 18	0 39.47	+20 12.9	1.130	2.104	7.7	16.7
10 28	0 29.75	+20 8.6	1.163	2.106	11.5	17.0
11 7	0 22.97	+19 56.4	1.219	2.109	15.6	17.2

511667 2015 BE_{327} 10 7.2 227°.82 1°.5/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.51	+ 4 19.9	1.643	2.467	16.7	22.2
9 8	1 16.42	+ 3 51.0	1.558	2.460	13.2	22.0
9 18	1 9.70	+ 3 9.3	1.493	2.452	9.0	21.7
9 28	1 0.91	+ 2 18.9	1.452	2.444	4.3	21.4
10 8	0 51.01	+ 1 26.2	1.439	2.436	1.9	21.2
10 18	0 41.16	+ 0 38.3	1.452	2.427	6.3	21.5
10 28	0 32.61	+ 0 2.0	1.492	2.418	10.9	21.8
11 7	0 26.27	− 0 18.0	1.555	2.408	15.0	22.0

98454 2000 US_{66} 10 7.2 319°.10 3°.7/ 9.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.10	+13 23.2	1.319	2.133	20.6	18.8
9 8	1 16.94	+13 59.7	1.238	2.125	16.9	18.5
9 18	1 10.56	+14 17.5	1.173	2.118	12.5	18.2
9 28	1 1.51	+14 15.2	1.130	2.111	7.6	17.9
10 8	0 50.95	+13 54.5	1.110	2.104	3.8	17.7
10 18	0 40.36	+13 20.3	1.116	2.098	6.2	17.8
10 28	0 31.36	+12 41.1	1.145	2.092	11.1	18.1
11 7	0 25.14	+12 5.8	1.197	2.087	15.8	18.4

351094 2003 UR_{223} 10 7.2 339°.24 5°.2/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.63	− 6 13.8	1.343	2.199	18.0	19.9
9 8	1 17.11	− 6 18.7	1.266	2.184	14.3	19.6
9 18	1 10.49	− 6 24.5	1.208	2.171	10.1	19.3
9 28	1 1.39	− 6 24.9	1.172	2.159	6.3	19.1
10 8	0 50.97	− 6 13.1	1.161	2.148	5.6	19.0
10 18	0 40.65	− 5 44.5	1.174	2.138	9.1	19.2
10 28	0 31.90	− 4 56.5	1.211	2.129	13.6	19.4
11 7	0 25.80	− 3 49.8	1.270	2.122	17.7	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
505367 2013 GU_{122}		10 7.2 31°51 1°8/ 5.9 17				
	h m	° ′			°	m
8 29	1 15.32	+ 6 7.9	1.008	1.872	22.0	20.9
9 8	1 13.38	+ 5 24.7	0.957	1.881	17.2	20.7
9 18	1 8.06	+ 4 21.0	0.921	1.890	11.6	20.4
9 28	1 0.16	+ 3 3.7	0.907	1.901	5.5	20.1
10 8	0 51.10	+ 1 44.0	0.914	1.912	2.2	20.0
10 18	0 42.50	+ 0 33.9	0.945	1.924	7.8	20.4
10 28	0 35.88	− 0 16.4	0.998	1.937	13.4	20.7
11 7	0 32.19	− 0 41.6	1.070	1.950	18.1	21.0
206483 2003 UU_{65}		10 7.2 4°96 7°7/30.9 18				
8 29	1 15.93	− 9 52.3	1.449	2.311	16.6	19.4
9 8	1 12.94	−11 4.1	1.391	2.310	13.2	19.2
9 18	1 7.30	−12 16.4	1.354	2.311	10.0	19.0
9 28	0 59.68	−13 19.4	1.339	2.312	7.9	18.9
10 8	0 51.15	−14 3.7	1.349	2.314	8.5	19.0
10 18	0 42.91	−14 22.6	1.383	2.316	11.2	19.1
10 28	0 36.13	−14 13.2	1.440	2.319	14.5	19.3
11 7	0 31.63	−13 36.6	1.516	2.323	17.6	19.6
427867 2005 QP_{90}		10 7.2 54°78 0°5/ 7.6 16				
8 29	1 18.73	+ 9 26.1	1.335	2.163	19.6	21.0
9 8	1 15.23	+ 9 8.5	1.278	2.180	15.5	20.8
9 18	1 8.87	+ 8 32.4	1.240	2.197	10.7	20.6
9 28	1 0.43	+ 7 41.5	1.225	2.215	5.3	20.3
10 8	0 51.09	+ 6 42.6	1.234	2.233	0.6	20.0
10 18	0 42.17	+ 5 44.0	1.269	2.252	5.7	20.4
10 28	0 34.93	+ 4 54.1	1.330	2.270	10.6	20.8
11 7	0 30.19	+ 4 19.1	1.413	2.289	14.8	21.1
411111 2009 WV_{76}		10 7.2 266°87 3°0/10.7 17				
8 29	1 14.39	+17 22.7	2.526	3.284	13.3	21.8
9 8	1 10.76	+17 26.8	2.427	3.277	11.0	21.6
9 18	1 5.38	+17 16.3	2.349	3.271	8.3	21.4
9 28	0 58.66	+16 51.4	2.296	3.264	5.4	21.2
10 8	0 51.23	+16 13.8	2.270	3.258	3.2	21.1
10 18	0 43.82	+15 27.0	2.273	3.251	4.0	21.1
10 28	0 37.19	+14 36.0	2.304	3.245	6.7	21.3
11 7	0 31.98	+13 46.1	2.363	3.238	9.6	21.5
310645 2002 CV_{229}		10 7.2 299°88 1°1/ 9.1 15				
8 29	1 9.16	+12 16.4	4.228	4.994	8.2	21.1
9 8	1 5.89	+12 12.4	4.129	4.991	6.6	21.0
9 18	1 1.65	+12 1.2	4.053	4.987	4.7	20.8
9 28	0 56.71	+11 43.7	4.004	4.983	2.7	20.7
10 8	0 51.42	+11 21.4	3.984	4.980	1.1	20.6
10 18	0 46.15	+10 56.2	3.995	4.976	2.3	20.6
10 28	0 41.30	+10 30.6	4.037	4.973	4.3	20.8
11 7	0 37.22	+10 6.9	4.106	4.969	6.2	20.9
398102 2009 SB_{131}		10 7.2 22°01 1°4/ 5.9 18				
8 29	1 13.43	+ 4 20.8	1.804	2.635	15.1	20.4
9 8	1 10.43	+ 3 49.2	1.736	2.642	11.8	20.2
9 18	1 5.31	+ 3 6.7	1.689	2.650	7.9	20.0
9 28	0 58.64	+ 2 17.4	1.666	2.659	3.8	19.8
10 8	0 51.25	+ 1 27.4	1.670	2.668	1.7	19.7
10 18	0 44.06	+ 0 42.5	1.702	2.677	5.5	19.9
10 28	0 38.00	+ 0 8.5	1.760	2.687	9.4	20.2
11 7	0 33.75	− 0 11.0	1.841	2.698	12.8	20.4
6419 Susono		10 7.2 22°94 5°6/13.5 18				
8 29	1 14.50	+24 19.9	2.171	2.901	16.0	15.8
9 8	1 11.22	+24 40.0	2.083	2.904	13.7	15.6
9 18	1 5.87	+24 39.9	2.014	2.907	11.0	15.4
9 28	0 58.95	+24 18.2	1.968	2.910	8.2	15.3
10 8	0 51.22	+23 35.9	1.946	2.913	6.0	15.1
10 18	0 43.58	+22 36.6	1.951	2.917	5.9	15.1
10 28	0 36.93	+21 26.5	1.984	2.921	7.8	15.3
11 7	0 32.01	+20 13.3	2.042	2.925	10.6	15.5
355818 2008 TL_{76}		10 7.2 4°79 0°1/ 7.0 18				
8 29	1 7.75	+ 6 45.7	4.243	5.036	7.8	21.4
9 8	1 4.77	+ 6 25.6	4.152	5.036	6.1	21.3
9 18	1 0.87	+ 5 59.8	4.085	5.036	4.1	21.1
9 28	0 56.33	+ 5 30.0	4.047	5.036	2.0	21.0
10 8	0 51.47	+ 4 58.3	4.038	5.037	0.2	20.8
10 18	0 46.65	+ 4 26.9	4.059	5.037	2.4	21.0
10 28	0 42.25	+ 3 58.2	4.111	5.037	4.5	21.2
11 7	0 38.58	+ 3 34.3	4.190	5.038	6.4	21.3
168147 2006 HV_{27}		10 7.2 38°46 8°9/30.4 18				
8 29	1 19.68	−14 23.6	1.508	2.360	16.5	19.5
9 8	1 15.63	−15 30.9	1.462	2.370	13.4	19.4
9 18	1 8.95	−16 32.9	1.436	2.382	10.6	19.2
9 28	1 0.42	−17 19.8	1.434	2.393	9.0	19.2
10 8	0 51.14	−17 43.6	1.456	2.405	9.6	19.3
10 18	0 42.33	−17 39.8	1.502	2.418	11.8	19.4
10 28	0 35.09	−17 7.7	1.571	2.431	14.7	19.6
11 7	0 30.16	−16 10.4	1.660	2.444	17.3	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
112592 2002 PP_{57}		10 7.2 69°86 4°4/10.9 18				
	h m	° ′			°	m
8 29	1 19.22	+18 39.6	1.418	2.206	20.6	19.6
9 8	1 15.68	+18 45.5	1.355	2.223	17.0	19.4
9 18	1 9.26	+18 26.2	1.309	2.239	12.7	19.2
9 28	1 0.68	+17 41.3	1.284	2.256	8.2	19.0
10 8	0 51.12	+16 35.1	1.283	2.273	4.7	18.8
10 18	0 41.92	+15 15.3	1.308	2.289	5.8	18.9
10 28	0 34.36	+13 52.4	1.359	2.306	9.8	19.2
11 7	0 29.33	+12 36.7	1.434	2.323	13.8	19.5
235314 2003 UV_{140}		10 7.2 141°04 7°8/30.6 18				
8 29	1 21.96	−14 35.7	1.865	2.700	14.5	19.8
9 8	1 17.03	−15 31.6	1.804	2.702	11.9	19.7
9 18	1 9.78	−16 23.2	1.765	2.705	9.3	19.5
9 28	1 0.83	−17 2.6	1.750	2.707	7.9	19.4
10 8	0 51.13	−17 23.0	1.762	2.709	8.4	19.5
10 18	0 41.73	−17 20.0	1.800	2.711	10.5	19.6
10 28	0 33.65	−16 52.4	1.862	2.713	13.1	19.8
11 7	0 27.61	−16 2.1	1.945	2.714	15.6	20.0
66515 1999 RD_{97}		10 7.2 339°49 0°1/ 7.3 18				
8 29	1 13.42	+ 7 48.9	1.364	2.204	18.6	19.4
9 8	1 11.42	+ 7 41.4	1.283	2.192	14.8	19.2
9 18	1 6.61	+ 7 17.0	1.220	2.181	10.3	18.9
9 28	0 59.54	+ 6 38.6	1.179	2.171	5.2	18.6
10 8	0 51.23	+ 5 51.8	1.163	2.162	0.4	18.2
10 18	0 42.94	+ 5 4.0	1.171	2.154	5.9	18.6
10 28	0 36.04	+ 4 23.8	1.204	2.147	11.2	18.9
11 7	0 31.53	+ 3 57.9	1.258	2.141	15.8	19.1
157448 2004 VV_{39}		10 7.2 248°14 0°4/ 6.8 18				
8 29	1 13.95	+ 6 58.4	2.388	3.194	12.7	21.1
9 8	1 10.41	+ 6 29.4	2.298	3.190	10.0	20.9
9 18	1 5.13	+ 5 49.7	2.231	3.185	6.8	20.7
9 28	0 58.56	+ 5 2.1	2.190	3.181	3.3	20.4
10 8	0 51.33	+ 4 10.8	2.177	3.176	0.6	20.2
10 18	0 44.16	+ 3 20.6	2.194	3.171	4.2	20.5
10 28	0 37.80	+ 2 36.5	2.239	3.167	7.6	20.7
11 7	0 32.87	+ 2 2.5	2.309	3.162	10.7	20.9
82916 2001 QH_{104}		10 7.2 47°46 2°1/ 5.6 18				
8 29	1 17.65	+ 4 11.8	1.271	2.119	19.3	19.3
9 8	1 14.42	+ 3 28.6	1.221	2.137	15.0	19.1
9 18	1 8.33	+ 2 31.0	1.190	2.155	10.0	18.9
9 28	1 0.18	+ 1 25.7	1.182	2.175	4.8	18.7
10 8	0 51.19	+ 0 21.6	1.198	2.194	2.5	18.6
10 18	0 42.69	− 0 32.6	1.239	2.215	7.1	18.9
10 28	0 35.89	− 1 9.6	1.305	2.235	11.8	19.2
11 7	0 31.58	− 1 26.1	1.393	2.256	15.8	19.5
313377 2002 KK_{2}		10 7.2 150°97 1°8/ 5.6 17				
8 29	1 20.80	+ 4 23.1	1.763	2.581	15.9	21.5
9 8	1 16.27	+ 3 37.1	1.691	2.590	12.5	21.2
9 18	1 9.35	+ 2 38.8	1.639	2.598	8.4	21.0
9 28	1 0.66	+ 1 33.1	1.614	2.605	4.0	20.8
10 8	0 51.15	+ 0 26.8	1.615	2.612	2.1	20.7
10 18	0 41.88	− 0 32.8	1.646	2.618	6.0	20.9
10 28	0 33.90	− 1 19.3	1.703	2.623	10.2	21.2
11 7	0 27.97	− 1 48.6	1.784	2.628	13.8	21.4
77521 2001 HR_{53}		10 7.2 162°08 3°4/ 4.2 18				
8 29	1 18.60	+ 0 37.2	1.680	2.514	15.9	19.6
9 8	1 14.70	− 0 22.8	1.608	2.518	12.4	19.4
9 18	1 8.37	− 1 33.1	1.558	2.521	8.4	19.2
9 28	1 0.22	− 2 47.2	1.533	2.523	4.5	18.9
10 8	0 51.19	− 3 57.1	1.535	2.525	3.9	18.9
10 18	0 42.38	− 4 54.9	1.564	2.527	7.4	19.1
10 28	0 34.85	− 5 34.5	1.619	2.528	11.4	19.4
11 7	0 29.40	− 5 53.0	1.697	2.529	14.9	19.6
450497 2005 YP_{168}		10 7.2 238°07 3°3/11.1 18				
8 29	1 14.80	+18 35.4	2.496	3.247	13.6	21.5
9 8	1 11.14	+18 35.4	2.396	3.241	11.3	21.3
9 18	1 5.68	+18 19.6	2.317	3.234	8.6	21.2
9 28	0 58.86	+17 48.0	2.262	3.227	5.7	21.0
10 8	0 51.31	+17 2.7	2.234	3.220	3.5	20.8
10 18	0 43.78	+16 7.1	2.236	3.213	4.1	20.9
10 28	0 37.05	+15 6.7	2.266	3.206	6.8	21.0
11 7	0 31.77	+14 7.4	2.323	3.198	9.8	21.2
361901 2008 GX_{19}		10 7.2 60°49 9°9/29.5 18				
8 29	1 27.10	−24 37.8	2.027	2.836	14.5	20.0
9 8	1 20.52	−25 23.9	1.995	2.861	12.4	19.9
9 18	1 11.77	−25 56.7	1.985	2.886	10.7	19.9
9 28	1 1.63	−26 9.0	2.000	2.911	9.9	19.9
10 8	0 51.10	−25 56.1	2.039	2.936	10.3	19.9
10 18	0 41.21	−25 16.9	2.104	2.961	11.7	20.1
10 28	0 32.86	−24 13.1	2.192	2.986	13.4	20.3
11 7	0 26.62	−22 49.0	2.302	3.011	15.1	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
319217 2005 YX_{244}		10 7.2 204°.95 5°.5/14.5 17				
	h m	° ′			°	m
8 29	1 17.20	+27 8.8	2.896	3.579	13.3	21.7
9 8	1 12.88	+27 35.2	2.792	3.575	11.5	21.6
9 18	1 6.81	+27 45.3	2.707	3.570	9.5	21.5
9 28	0 59.41	+27 37.5	2.646	3.565	7.4	21.3
10 8	0 51.27	+27 11.7	2.611	3.560	5.9	21.2
10 18	0 43.12	+26 29.8	2.604	3.554	5.6	21.2
10 28	0 35.71	+25 35.8	2.625	3.548	6.9	21.3
11 7	0 29.69	+24 35.3	2.674	3.542	8.9	21.4
98904 2001 BD_{57}		10 7.2 45°.44 10°.0/17.9 18				
8 29	1 17.22	+32 38.2	1.635	2.335	21.5	18.5
9 8	1 14.25	+33 29.7	1.566	2.348	19.0	18.3
9 18	1 8.41	+33 51.4	1.510	2.362	16.2	18.1
9 28	1 0.35	+33 38.5	1.473	2.376	13.3	18.0
10 8	0 51.18	+32 49.9	1.457	2.391	10.9	17.9
10 18	0 42.25	+31 29.3	1.464	2.406	10.0	17.9
10 28	0 34.86	+29 45.9	1.496	2.421	11.0	18.0
11 7	0 29.97	+27 52.3	1.552	2.437	13.2	18.2
24124 Dozier		10 7.2 301°.10 0°.6/ 7.8 18				
8 29	1 14.04	+ 9 32.0	2.124	2.928	14.1	19.4
9 8	1 10.84	+ 9 16.2	2.026	2.913	11.3	19.2
9 18	1 5.64	+ 8 47.1	1.949	2.899	7.9	18.9
9 28	0 58.90	+ 8 6.8	1.896	2.885	4.1	18.7
10 8	0 51.31	+ 7 19.1	1.872	2.871	0.6	18.4
10 18	0 43.70	+ 6 28.9	1.875	2.857	4.3	18.6
10 28	0 36.97	+ 5 42.3	1.907	2.843	8.2	18.8
11 7	0 31.85	+ 5 4.4	1.963	2.829	11.7	19.0
98766 2000 YF_{72}		10 7.2 292°.79 2°.7/ 9.4 18				
8 29	1 16.42	+14 8.0	1.710	2.507	17.2	19.7
9 8	1 13.40	+14 12.7	1.609	2.487	14.2	19.4
9 18	1 7.83	+13 59.1	1.527	2.468	10.4	19.1
9 28	1 0.14	+13 27.0	1.468	2.448	6.2	18.9
10 8	0 51.20	+12 39.0	1.434	2.429	2.8	18.6
10 18	0 42.12	+11 40.6	1.427	2.409	5.1	18.7
10 28	0 34.14	+10 39.8	1.446	2.390	9.6	18.9
11 7	0 28.26	+ 9 44.6	1.489	2.371	13.8	19.1
403763 2011 CE_{1}		10 7.2 310°.74 8°.5/26.5 18				
8 29	1 12.31	−15 29.3	2.015	2.864	13.1	20.2
9 8	1 9.62	−17 13.5	1.940	2.844	10.9	20.0
9 18	1 4.87	−18 56.5	1.887	2.823	9.1	19.8
9 28	0 58.54	−20 29.1	1.860	2.803	8.5	19.8
10 8	0 51.35	−21 42.5	1.859	2.783	9.6	19.8
10 18	0 44.19	−22 30.2	1.882	2.764	11.7	19.9
10 28	0 37.98	−22 48.7	1.927	2.744	14.1	20.0
11 7	0 33.46	−22 38.1	1.992	2.725	16.4	20.2
135604 2002 JL_{15}		10 7.2 41°.59 6°.5/ 3.2 18				
8 29	1 19.74	− 4 56.4	1.094	1.963	20.2	19.0
9 8	1 16.41	− 5 54.9	1.053	1.980	15.8	18.8
9 18	1 9.83	− 6 58.0	1.031	1.997	11.0	18.6
9 28	1 0.94	− 7 55.3	1.029	2.015	7.2	18.4
10 8	0 51.16	− 8 36.2	1.051	2.034	7.1	18.5
10 18	0 42.03	− 8 53.5	1.097	2.054	10.6	18.7
10 28	0 34.90	− 8 44.0	1.164	2.074	14.8	19.0
11 7	0 30.61	− 8 9.1	1.251	2.094	18.5	19.3
43510 2001 CG_{46}		10 7.2 283°.08 9°.2/27.5 18				
8 29	1 16.65	−15 25.5	1.782	2.630	14.6	18.2
9 8	1 13.30	−17 4.8	1.708	2.612	12.1	18.0
9 18	1 7.54	−18 42.6	1.657	2.594	10.0	17.8
9 28	0 59.89	−20 8.5	1.630	2.576	9.2	17.7
10 8	0 51.23	−21 12.9	1.627	2.558	10.2	17.8
10 18	0 42.64	−21 48.6	1.649	2.539	12.6	17.9
10 28	0 35.21	−21 52.2	1.693	2.521	15.3	18.0
11 7	0 29.79	−21 25.0	1.756	2.503	17.9	18.1
508176 2015 FN_{285}		10 7.2 276°.98 0°.1/ 7.3 17				
8 29	1 19.95	+ 7 31.6	1.454	2.279	18.4	21.8
9 8	1 16.53	+ 7 26.1	1.364	2.265	14.8	21.5
9 18	1 10.16	+ 7 5.0	1.293	2.250	10.3	21.2
9 28	1 1.34	+ 6 30.5	1.244	2.235	5.2	20.9
10 8	0 51.10	+ 5 47.7	1.221	2.220	0.4	20.5
10 18	0 40.79	+ 5 3.4	1.224	2.205	6.0	20.8
10 28	0 31.84	+ 4 25.8	1.252	2.190	11.3	21.1
11 7	0 25.38	+ 4 1.5	1.303	2.175	16.0	21.3
448092 2008 JP_{33}		10 7.2 64°.05 3°.6/ 2.9 18				
8 29	1 13.21	− 0 23.2	2.046	2.881	13.4	21.1
9 8	1 9.88	− 1 51.3	1.991	2.902	10.3	21.0
9 18	1 4.74	− 3 26.7	1.960	2.922	6.9	20.8
9 28	0 58.32	− 5 2.6	1.955	2.943	4.1	20.7
10 8	0 51.39	− 6 31.3	1.979	2.963	4.2	20.7
10 18	0 44.71	− 7 46.1	2.032	2.984	6.9	20.9
10 28	0 39.06	− 8 42.0	2.111	3.004	9.9	21.2
11 7	0 34.99	− 9 17.0	2.214	3.025	12.6	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
226443 2003 SA_{53}		10 7.2 17°.11 2°.7/ 9.5 18				
	h m	° ′			°	m
8 29	1 20.95	+12 47.4	2.240	3.013	14.4	20.3
9 8	1 16.08	+13 24.3	2.151	3.014	11.7	20.1
9 18	1 9.13	+13 50.0	2.083	3.016	8.6	19.9
9 28	1 0.58	+14 4.0	2.041	3.017	5.2	19.7
10 8	0 51.18	+14 7.4	2.027	3.019	2.7	19.5
10 18	0 41.84	+14 2.5	2.042	3.021	4.3	19.6
10 28	0 33.46	+13 53.1	2.086	3.023	7.5	19.8
11 7	0 26.80	+13 43.8	2.156	3.025	10.7	20.0
324153 2005 YV_{168}		10 7.2 264°.52 4°.4/ 2.7 18				
8 29	1 17.40	− 6 50.0	2.315	3.144	12.3	20.2
9 8	1 13.13	− 7 27.2	2.233	3.137	9.6	20.1
9 18	1 7.00	− 8 6.2	2.174	3.129	6.9	19.9
9 28	0 59.49	− 8 41.9	2.142	3.121	4.7	19.7
10 8	0 51.29	− 9 9.1	2.138	3.114	4.8	19.7
10 18	0 43.19	− 9 23.8	2.162	3.106	7.1	19.9
10 28	0 35.99	− 9 22.8	2.213	3.098	9.9	20.0
11 7	0 30.34	− 9 5.5	2.288	3.090	12.6	20.2
476727 2008 UX_{21}		10 7.2 34°.92 0°.3/ 6.9 16				
8 29	1 17.68	+ 6 45.8	1.394	2.229	18.6	21.6
9 8	1 14.41	+ 6 34.1	1.332	2.238	14.6	21.4
9 18	1 8.37	+ 6 7.4	1.288	2.248	10.0	21.2
9 28	1 0.28	+ 5 29.4	1.267	2.259	4.8	20.9
10 8	0 51.22	+ 4 46.3	1.271	2.270	0.6	20.6
10 18	0 42.49	+ 4 5.1	1.301	2.282	5.8	21.0
10 28	0 35.29	+ 3 33.0	1.356	2.294	10.6	21.3
11 7	0 30.49	+ 3 15.1	1.434	2.307	14.8	21.6
188145 2002 EW_{81}		10 7.2 109°.54 1°.2/ 8.6 18				
8 29	1 15.33	+12 21.3	2.476	3.256	13.0	20.7
9 8	1 11.32	+11 59.7	2.398	3.270	10.4	20.5
9 18	1 5.65	+11 25.1	2.343	3.284	7.3	20.4
9 28	0 58.77	+10 39.6	2.314	3.297	4.0	20.2
10 8	0 51.36	+ 9 46.7	2.313	3.311	1.2	20.0
10 18	0 44.11	+ 8 50.9	2.342	3.324	3.5	20.2
10 28	0 37.72	+ 7 57.4	2.400	3.337	6.7	20.4
11 7	0 32.77	+ 7 10.8	2.485	3.349	9.7	20.6
14612 Irtish		10 7.2 146°.82 2°.3/ 4.3 18				
8 29	1 13.85	+ 0 26.4	2.583	3.403	11.4	18.2
9 8	1 10.10	− 0 23.0	2.506	3.407	8.8	18.1
9 18	1 4.79	− 1 18.7	2.453	3.412	5.9	17.9
9 28	0 58.35	− 2 16.6	2.427	3.417	3.2	17.7
10 8	0 51.39	− 3 11.9	2.431	3.421	2.6	17.7
10 18	0 44.56	− 4 0.0	2.464	3.425	5.2	17.9
10 28	0 38.50	− 4 36.8	2.525	3.429	8.0	18.1
11 7	0 33.76	− 4 59.9	2.611	3.433	10.6	18.2
224924 2007 DN_{37}		10 7.2 141°.58 2°.0/ 9.3 18				
8 29	1 17.40	+13 5.3	2.369	3.144	13.6	20.8
9 8	1 13.14	+13 13.5	2.281	3.147	11.0	20.7
9 18	1 7.03	+13 9.1	2.214	3.149	8.0	20.5
9 28	0 59.52	+12 52.9	2.173	3.152	4.7	20.3
10 8	0 51.29	+12 27.0	2.159	3.154	2.1	20.1
10 18	0 43.15	+11 55.0	2.175	3.156	3.8	20.2
10 28	0 35.89	+11 21.5	2.220	3.158	7.1	20.4
11 7	0 30.18	+10 51.3	2.291	3.160	10.1	20.7
507949 2015 AT_{264}		10 7.2 120°.84 6°.0/ 2.1 17				
8 29	1 22.47	− 7 48.7	1.739	2.576	15.4	21.8
9 8	1 17.46	− 8 52.8	1.684	2.590	12.1	21.6
9 18	1 10.06	− 9 58.3	1.650	2.604	8.7	21.5
9 28	1 0.97	−10 57.2	1.642	2.618	6.3	21.4
10 8	0 51.18	−11 41.9	1.661	2.631	6.6	21.4
10 18	0 41.77	−12 6.9	1.707	2.644	9.2	21.6
10 28	0 33.76	−12 9.3	1.778	2.656	12.3	21.8
11 7	0 27.87	−11 49.5	1.871	2.667	15.2	22.0
390681 2002 TT_{322}		10 7.2 81°.24 0°.9/ 7.9 15				
8 29	1 21.70	+ 8 17.5	1.865	2.667	15.8	21.7
9 8	1 16.89	+ 8 30.4	1.791	2.677	12.6	21.6
9 18	1 9.75	+ 8 31.9	1.738	2.687	8.8	21.3
9 28	1 0.88	+ 8 23.2	1.709	2.697	4.5	21.1
10 8	0 51.18	+ 8 7.5	1.708	2.707	0.9	20.9
10 18	0 41.69	+ 7 49.0	1.735	2.717	4.6	21.2
10 28	0 33.43	+ 7 32.6	1.791	2.727	8.6	21.4
11 7	0 27.19	+ 7 22.6	1.871	2.737	12.2	21.7
317287 2002 FR_{36}		10 7.2 181°.18 2°.5/ 1.5 18				
8 29	1 6.59	− 6 26.5	4.721	5.545	6.5	20.8
9 8	1 3.79	− 7 17.3	4.643	5.545	5.1	20.7
9 18	1 0.19	− 8 9.3	4.591	5.545	3.6	20.6
9 28	0 56.03	− 8 59.7	4.569	5.545	2.6	20.5
10 8	0 51.60	− 9 46.0	4.576	5.545	2.8	20.5
10 18	0 47.21	−10 25.8	4.613	5.544	4.0	20.6
10 28	0 43.18	−10 57.0	4.679	5.544	5.5	20.7
11 7	0 39.80	−11 18.7	4.770	5.544	6.9	20.8

42222 2001 DT_{62} 10 7.2 329°.57 1°.6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.18	+ 4 4.2	2.116	2.939	13.5	18.9
9 8	1 10.02	+ 3 20.3	2.033	2.936	10.5	18.7
9 18	1 4.98	+ 2 25.8	1.973	2.933	7.1	18.5
9 28	0 58.53	+ 1 24.8	1.938	2.930	3.4	18.3
10 8	0 51.38	+ 0 23.2	1.931	2.927	1.9	18.2
10 18	0 44.32	− 0 33.4	1.952	2.924	5.3	18.4
10 28	0 38.18	− 1 19.3	2.001	2.922	8.9	18.6
11 7	0 33.61	− 1 50.6	2.075	2.920	12.1	18.8

118589 2000 GA_{71} 10 7.2 173°.26 0°.6/ 6.6 18

8 29	1 20.41	+ 6 17.1	1.994	2.800	14.8	20.5
9 8	1 15.77	+ 5 51.4	1.912	2.803	11.7	20.3
9 18	1 8.96	+ 5 13.9	1.851	2.805	8.0	20.0
9 28	1 0.50	+ 4 27.9	1.816	2.807	3.8	19.8
10 8	0 51.22	+ 3 38.2	1.810	2.808	0.9	19.6
10 18	0 42.09	+ 2 50.7	1.832	2.809	5.0	19.9
10 28	0 34.06	+ 2 10.9	1.883	2.809	9.0	20.1
11 7	0 27.88	+ 1 43.3	1.958	2.808	12.5	20.3

401347 2013 AY_{118} 10 7.2 236°.11 4°.8/ 2.3 18

8 29	1 17.37	− 6 8.6	2.143	2.976	13.0	21.3
9 8	1 13.29	− 7 4.6	2.061	2.968	10.2	21.1
9 18	1 7.22	− 8 4.0	2.003	2.959	7.3	20.9
9 28	0 59.64	− 9 0.8	1.971	2.950	5.1	20.7
10 8	0 51.30	− 9 48.7	1.966	2.940	5.3	20.7
10 18	0 43.04	−10 22.3	1.989	2.931	7.7	20.9
10 28	0 35.74	−10 37.6	2.039	2.921	10.8	21.1
11 7	0 30.10	−10 33.4	2.112	2.911	13.6	21.2

252103 2000 VN_{40} 10 7.2 356°.94 2°.6/ 9.0 17

8 29	1 13.77	+11 21.3	1.418	2.244	18.7	20.1
9 8	1 11.58	+11 50.0	1.342	2.239	15.2	19.8
9 18	1 6.66	+12 2.3	1.283	2.234	11.0	19.6
9 28	0 59.56	+11 58.3	1.246	2.231	6.3	19.3
10 8	0 51.30	+11 40.9	1.233	2.230	2.6	19.1
10 18	0 43.11	+11 14.9	1.246	2.230	5.4	19.3
10 28	0 36.30	+10 47.5	1.282	2.231	10.0	19.5
11 7	0 31.83	+10 25.6	1.342	2.234	14.3	19.8

281780 2009 SO_{232} 10 7.2 323°.70 4°.0/ 2.6 18

8 29	1 9.21	+ 0 42.5	1.814	2.662	14.3	20.1
9 8	1 7.38	− 0 49.3	1.724	2.642	11.2	19.9
9 18	1 3.46	− 2 34.9	1.656	2.622	7.6	19.6
9 28	0 57.90	− 4 27.1	1.613	2.602	4.5	19.4
10 8	0 51.44	− 6 16.4	1.598	2.583	4.7	19.4
10 18	0 44.97	− 7 53.3	1.610	2.565	8.0	19.5
10 28	0 39.46	− 9 9.5	1.647	2.547	11.8	19.7
11 7	0 35.66	−10 0.3	1.707	2.530	15.3	19.9

185410 2006 WD_{147} 10 7.2 96°.99 0°.6/ 6.7 18

8 29	1 16.60	+ 6 1.4	2.075	2.887	14.1	20.7
9 8	1 12.68	+ 5 39.4	1.997	2.892	11.1	20.5
9 18	1 6.78	+ 5 6.7	1.941	2.897	7.5	20.3
9 28	0 59.41	+ 4 26.4	1.911	2.902	3.6	20.1
10 8	0 51.33	+ 3 43.1	1.908	2.906	0.8	19.9
10 18	0 43.40	+ 3 1.9	1.934	2.911	4.7	20.2
10 28	0 36.48	+ 2 27.8	1.987	2.916	8.4	20.4
11 7	0 31.25	+ 2 4.9	2.066	2.920	11.7	20.6

389930 2012 TS_{130} 10 7.2 313°.59 4°.4/ 3.3 18

8 29	1 13.63	− 0 35.5	1.528	2.380	16.3	20.1
9 8	1 11.23	− 1 44.5	1.448	2.367	12.8	19.8
9 18	1 6.28	− 3 5.4	1.388	2.354	8.8	19.6
9 28	0 59.34	− 4 30.6	1.353	2.342	5.1	19.3
10 8	0 51.32	− 5 50.6	1.343	2.330	5.0	19.3
10 18	0 43.36	− 6 56.0	1.358	2.318	8.6	19.5
10 28	0 36.63	− 7 39.2	1.398	2.307	12.9	19.7
11 7	0 32.04	− 7 57.0	1.459	2.296	16.7	19.9

470536 2008 DM_{34} 10 7.2 193°.88 7°.3/12.1 16

8 29	1 31.85	+22 14.4	1.934	2.651	18.1	22.2
9 8	1 25.49	+23 39.1	1.838	2.650	15.5	22.0
9 18	1 16.14	+24 48.1	1.761	2.648	12.6	21.8
9 28	1 4.28	+25 36.3	1.708	2.645	9.6	21.6
10 8	0 50.90	+26 0.4	1.681	2.642	7.5	21.5
10 18	0 37.34	+26 0.5	1.683	2.638	7.7	21.5
10 28	0 25.04	+25 41.0	1.712	2.633	10.1	21.6
11 7	0 15.17	+25 9.8	1.768	2.628	13.1	21.8

42970 1999 TD_{174} 10 7.2 62°.50 2°.0/ 5.5 18 R

8 29	1 16.64	+ 3 44.8	1.656	2.489	16.2	18.9
9 8	1 13.13	+ 3 0.8	1.592	2.499	12.6	18.6
9 18	1 7.27	+ 2 4.9	1.548	2.510	8.5	18.4
9 28	0 59.69	+ 1 2.5	1.529	2.521	4.1	18.2
10 8	0 51.34	+ 0 0.7	1.536	2.532	2.3	18.1
10 18	0 43.25	− 0 53.4	1.570	2.543	6.2	18.4
10 28	0 36.46	− 1 33.5	1.631	2.554	10.3	18.7
11 7	0 31.69	− 1 56.0	1.715	2.565	13.9	18.9

485309 2011 AZ_{69} 10 7.2 294°.04 3°.0/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.77	+15 57.6	2.359	3.123	14.0	21.3
9 8	1 12.77	+16 14.5	2.266	3.121	11.5	21.2
9 18	1 6.86	+16 17.6	2.194	3.119	8.6	21.0
9 28	0 59.49	+16 6.7	2.146	3.117	5.5	20.8
10 8	0 51.35	+15 43.4	2.125	3.114	3.2	20.6
10 18	0 43.24	+15 11.0	2.134	3.112	4.2	20.7
10 28	0 36.00	+14 34.1	2.170	3.110	7.1	20.9
11 7	0 30.31	+13 58.0	2.234	3.108	10.1	21.1

439736 2015 FC_{176} 10 7.2 42°.72 6°.9/ 2.2 18

8 29	1 18.65	− 7 26.5	1.335	2.195	17.8	20.0
9 8	1 15.06	− 8 32.2	1.292	2.212	14.0	19.8
9 18	1 8.69	− 9 39.2	1.268	2.229	10.0	19.6
9 28	1 0.37	−10 38.0	1.268	2.247	7.2	19.5
10 8	0 51.29	−11 19.4	1.291	2.265	7.5	19.6
10 18	0 42.73	−11 37.2	1.340	2.284	10.4	19.8
10 28	0 35.85	−11 29.0	1.411	2.303	13.9	20.1
11 7	0 31.39	−10 56.1	1.502	2.323	17.1	20.3

299613 2006 HY_{93} 10 7.2 42°.43 3°.0/ 4.2 18

8 29	1 13.25	+ 3 18.6	1.641	2.482	16.0	20.4
9 8	1 10.55	+ 1 57.5	1.574	2.487	12.3	20.2
9 18	1 5.56	+ 0 22.5	1.529	2.494	8.3	20.0
9 28	0 58.88	− 1 19.1	1.508	2.500	4.2	19.8
10 8	0 51.42	− 2 58.0	1.515	2.506	3.5	19.7
10 18	0 44.17	− 4 24.7	1.548	2.513	7.2	20.0
10 28	0 38.14	− 5 31.8	1.607	2.520	11.2	20.2
11 7	0 34.06	− 6 15.4	1.689	2.528	14.7	20.5

159791 2003 QQ_{25} 10 7.2 70°.27 2°.7/ 9.7 18

8 29	1 19.55	+15 9.7	1.663	2.451	18.0	20.0
9 8	1 15.40	+15 6.3	1.601	2.474	14.5	19.8
9 18	1 8.80	+14 43.2	1.559	2.497	10.5	19.6
9 28	1 0.42	+14 2.0	1.541	2.519	6.2	19.4
10 8	0 51.30	+13 6.8	1.548	2.542	2.9	19.3
10 18	0 42.53	+12 4.3	1.583	2.565	4.8	19.5
10 28	0 35.19	+11 2.4	1.644	2.587	8.7	19.7
11 7	0 30.01	+10 8.3	1.731	2.609	12.4	20.0

124000 2001 FP_{72} 10 7.2 228°.04 1°.3/ 5.8 18

8 29	1 18.68	+ 1 39.6	2.690	3.494	11.4	20.4
9 8	1 13.90	+ 1 29.6	2.594	3.486	9.0	20.2
9 18	1 7.44	+ 1 14.1	2.522	3.477	6.1	20.0
9 28	0 59.72	+ 0 55.7	2.478	3.468	3.0	19.8
10 8	0 51.35	+ 0 37.7	2.463	3.459	1.5	19.7
10 18	0 43.01	+ 0 23.1	2.478	3.449	4.4	19.8
10 28	0 35.43	+ 0 15.3	2.523	3.439	7.5	20.0
11 7	0 29.20	+ 0 16.4	2.594	3.429	10.3	20.2

515682 2014 OV_{401} 10 7.2 75°.11 3°.3/ 3.5 18

8 29	1 14.43	− 1 22.5	2.167	2.998	12.9	21.2
9 8	1 10.80	− 2 20.8	2.103	3.011	10.0	21.1
9 18	1 5.39	− 3 25.1	2.063	3.023	6.8	20.9
9 28	0 58.69	− 4 29.8	2.049	3.036	3.9	20.7
10 8	0 51.44	− 5 28.9	2.063	3.048	3.7	20.7
10 18	0 44.40	− 6 17.0	2.105	3.061	6.3	20.9
10 28	0 38.33	− 6 50.0	2.174	3.074	9.4	21.1
11 7	0 33.80	− 7 5.9	2.267	3.086	12.1	21.4

301337 2009 BA_{185} 10 7.2 208°.98 1°.1/ 5.9 18

8 29	1 14.95	+ 6 30.3	2.142	2.954	13.7	21.0
9 8	1 11.42	+ 5 34.6	2.054	2.950	10.8	20.8
9 18	1 5.96	+ 4 25.8	1.989	2.946	7.3	20.6
9 28	0 59.06	+ 3 7.9	1.950	2.942	3.5	20.3
10 8	0 51.42	+ 1 46.9	1.940	2.937	1.4	20.2
10 18	0 43.86	+ 0 29.7	1.958	2.932	5.0	20.4
10 28	0 37.23	− 0 37.3	2.005	2.927	8.8	20.6
11 7	0 32.19	− 1 29.1	2.077	2.921	12.1	20.8

435104 2007 DR_{26} 10 7.2 131°.00 0°.6/ 6.7 15

8 29	1 20.25	+ 6 34.7	1.903	2.711	15.3	22.5
9 8	1 15.67	+ 6 7.9	1.831	2.723	12.0	22.3
9 18	1 8.88	+ 5 28.9	1.779	2.734	8.2	22.1
9 28	1 0.47	+ 4 41.2	1.754	2.744	3.9	21.9
10 8	0 51.31	+ 3 50.0	1.756	2.754	0.8	21.7
10 18	0 42.38	+ 3 1.2	1.787	2.764	5.0	22.0
10 28	0 34.64	+ 2 20.7	1.845	2.773	9.0	22.3
11 7	0 28.82	+ 1 52.8	1.929	2.782	12.5	22.5

241649 2000 EC_{140} 10 7.2 62°.05 7°.5/ 2.5 17

8 29	1 24.44	− 6 44.5	1.097	1.960	20.6	19.3
9 8	1 19.86	− 8 2.2	1.067	1.988	16.1	19.1
9 18	1 12.00	− 9 21.3	1.055	2.017	11.4	18.9
9 28	1 1.94	−10 29.9	1.065	2.046	8.0	18.9
10 8	0 51.20	−11 17.2	1.099	2.074	8.2	19.0
10 18	0 41.33	−11 36.5	1.156	2.103	11.4	19.2
10 28	0 33.65	−11 26.3	1.235	2.131	15.2	19.5
11 7	0 28.88	−10 49.4	1.334	2.160	18.6	19.9

320097 2007 ET_{100} 10 7.2 134.°88 2.°0/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.31	+ 2 6.6	2.362	3.182	12.4	21.6
9 8	1 10.64	+ 1 18.2	2.286	3.187	9.6	21.4
9 18	1 5.27	+ 0 21.7	2.232	3.192	6.4	21.3
9 28	0 58.66	− 0 38.5	2.205	3.196	3.2	21.1
10 8	0 51.47	− 1 37.4	2.207	3.200	2.3	21.0
10 18	0 44.41	− 2 29.5	2.238	3.205	5.2	21.2
10 28	0 38.21	− 3 10.5	2.297	3.209	8.4	21.4
11 7	0 33.44	− 3 37.3	2.381	3.212	11.2	21.6

388258 2006 PG_{31} 10 7.2 81.°84 3.°2/ 3.9 18

8 29	1 16.12	+ 0 40.7	1.869	2.701	14.6	21.1
9 8	1 12.36	− 0 28.6	1.811	2.719	11.3	21.0
9 18	1 6.56	− 1 46.5	1.775	2.737	7.6	20.8
9 28	0 59.30	− 3 6.6	1.765	2.755	4.1	20.6
10 8	0 51.42	− 4 21.3	1.783	2.772	3.7	20.6
10 18	0 43.85	− 5 23.8	1.829	2.790	6.7	20.8
10 28	0 37.44	− 6 8.8	1.902	2.807	10.2	21.1
11 7	0 32.82	− 6 34.0	1.998	2.824	13.2	21.3

205179 2000 CG_{17} 10 7.2 177.°41 5.°1/ 2.3 18

8 29	1 20.53	− 8 29.8	2.184	3.011	13.0	20.4
9 8	1 15.63	− 9 13.5	2.111	3.013	10.2	20.2
9 18	1 8.73	− 9 57.6	2.062	3.014	7.4	20.0
9 28	1 0.37	−10 36.5	2.039	3.014	5.4	19.9
10 8	0 51.34	−11 4.6	2.045	3.014	5.5	19.9
10 18	0 42.49	−11 17.5	2.078	3.014	7.8	20.0
10 28	0 34.69	−11 12.7	2.138	3.014	10.6	20.2
11 7	0 28.59	−10 49.9	2.221	3.013	13.2	20.4

175567 2006 TM_{10} 10 7.2 158.°62 2.°2/ 8.9 18

8 29	1 21.11	+12 43.6	1.641	2.437	17.9	21.0
9 8	1 16.94	+12 46.3	1.561	2.440	14.5	20.8
9 18	1 10.11	+12 31.2	1.500	2.443	10.4	20.6
9 28	1 1.22	+11 59.3	1.463	2.446	5.9	20.3
10 8	0 51.27	+11 14.2	1.452	2.448	2.2	20.1
10 18	0 41.46	+10 22.0	1.468	2.450	5.0	20.3
10 28	0 33.01	+ 9 30.2	1.511	2.452	9.5	20.6
11 7	0 26.83	+ 8 46.3	1.578	2.453	13.6	20.8

345056 2005 GJ_{119} 10 7.2 243.°24 5.°4/30.8 18

8 29	1 15.45	− 6 18.1	2.167	3.004	12.7	20.7
9 8	1 11.86	− 7 46.8	2.082	2.990	10.0	20.5
9 18	1 6.32	− 9 21.0	2.021	2.976	7.3	20.3
9 28	0 59.28	−10 53.4	1.987	2.962	5.5	20.2
10 8	0 51.45	−12 16.2	1.981	2.947	6.1	20.2
10 18	0 43.65	−13 22.4	2.003	2.931	8.5	20.3
10 28	0 36.73	−14 7.0	2.050	2.916	11.5	20.5
11 7	0 31.41	−14 28.2	2.121	2.900	14.2	20.6

263728 2008 HA_{54} 10 7.2 331.°97 5.°9/ 1.3 18

8 29	1 15.02	− 8 27.5	1.955	2.800	13.6	20.3
9 8	1 11.64	− 9 30.8	1.883	2.795	10.8	20.1
9 18	1 6.19	−10 35.8	1.835	2.790	7.9	19.9
9 28	0 59.20	−11 35.5	1.811	2.785	6.0	19.8
10 8	0 51.46	−12 22.9	1.814	2.781	6.5	19.8
10 18	0 43.86	−12 52.2	1.844	2.777	8.9	19.9
10 28	0 37.31	−13 0.1	1.899	2.773	11.8	20.1
11 7	0 32.50	−12 46.0	1.975	2.770	14.5	20.3

212379 2006 HD_{55} 10 7.2 113.°83 3.°4/ 4.8 18

8 29	1 23.21	− 0 0.4	1.478	2.314	17.6	20.7
9 8	1 18.55	− 0 40.4	1.417	2.326	13.8	20.5
9 18	1 11.12	− 1 29.4	1.376	2.337	9.3	20.3
9 28	1 1.65	− 2 21.0	1.358	2.349	4.9	20.0
10 8	0 51.27	− 3 7.4	1.368	2.360	3.8	20.0
10 18	0 41.28	− 3 41.6	1.404	2.370	7.6	20.3
10 28	0 32.88	− 3 58.4	1.465	2.380	11.9	20.5
11 7	0 26.91	− 3 55.6	1.549	2.390	15.6	20.8

293499 Wolinski 10 7.2 17.°48 5.°7/ 1.6 18

8 29	1 16.68	− 9 31.9	2.070	2.909	13.2	20.2
9 8	1 12.74	−10 23.2	2.004	2.910	10.4	20.0
9 18	1 6.82	−11 14.5	1.960	2.912	7.7	19.8
9 28	0 59.47	−11 59.5	1.942	2.914	5.9	19.7
10 8	0 51.45	−12 31.9	1.950	2.916	6.2	19.8
10 18	0 43.63	−12 47.4	1.986	2.918	8.4	19.9
10 28	0 36.85	−12 43.2	2.047	2.920	11.1	20.1
11 7	0 31.77	−12 19.6	2.131	2.922	13.7	20.3

53153 1999 BZ_{25} 10 7.2 311.°72 1.°9/ 8.8 18

8 29	1 17.43	+11 42.7	1.859	2.657	16.0	19.4
9 8	1 13.83	+11 50.5	1.769	2.650	13.0	19.2
9 18	1 7.90	+11 43.6	1.700	2.644	9.3	19.0
9 28	1 0.14	+11 22.9	1.654	2.638	5.3	18.7
10 8	0 51.40	+10 51.3	1.635	2.632	1.9	18.5
10 18	0 42.68	+10 13.3	1.644	2.626	4.6	18.7
10 28	0 35.06	+ 9 35.2	1.679	2.620	8.7	18.9
11 7	0 29.35	+ 9 3.0	1.739	2.615	12.5	19.1

55276 Kenlarner 10 7.3 272.°55 1.°3/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 19.75	+ 4 9.0	1.675	2.500	16.4	19.7
9 8	1 15.96	+ 3 52.1	1.583	2.485	13.0	19.4
9 18	1 9.55	+ 3 23.4	1.511	2.470	8.9	19.2
9 28	1 1.03	+ 2 46.6	1.463	2.454	4.3	18.9
10 8	0 51.33	+ 2 7.0	1.441	2.439	1.6	18.6
10 18	0 41.58	+ 1 30.9	1.447	2.423	6.1	18.9
10 28	0 33.01	+ 1 4.7	1.479	2.408	10.7	19.1
11 7	0 26.60	+ 0 53.1	1.534	2.392	14.9	19.4

289977 2005 NE_{125} 10 7.3 355.°59 3.°5/ 9.7 18

8 29	1 16.53	+13 44.9	1.281	2.102	20.7	20.5
9 8	1 14.14	+14 12.0	1.206	2.098	16.9	20.2
9 18	1 8.66	+14 18.5	1.149	2.095	12.5	19.9
9 28	1 0.69	+14 3.6	1.112	2.093	7.6	19.7
10 8	0 51.37	+13 30.2	1.098	2.093	3.7	19.5
10 18	0 42.14	+12 44.5	1.109	2.092	6.0	19.6
10 28	0 34.49	+11 55.7	1.143	2.093	10.8	19.9
11 7	0 29.52	+11 13.0	1.200	2.095	15.4	20.1

23993 1999 RS_{13} 10 7.3 296.°74 6.°5/30.6 18 R

8 29	1 13.55	− 5 33.5	1.651	2.505	15.2	17.9
9 8	1 11.04	− 7 12.4	1.570	2.489	12.0	17.7
9 18	1 6.12	− 8 59.7	1.512	2.473	8.7	17.5
9 28	0 59.32	−10 46.2	1.479	2.456	6.6	17.3
10 8	0 51.48	−12 20.9	1.471	2.440	7.4	17.3
10 18	0 43.67	−13 34.3	1.490	2.424	10.4	17.5
10 28	0 37.00	−14 19.8	1.532	2.409	14.0	17.6
11 7	0 32.33	−14 35.4	1.594	2.393	17.3	17.8

269979 2000 TH_{43} 10 7.3 31.°65 7.°0/ 2.5 18

8 29	1 16.16	− 5 15.5	1.058	1.935	20.1	19.4
9 8	1 13.62	− 6 30.1	1.026	1.957	15.6	19.2
9 18	1 7.93	− 7 48.3	1.013	1.980	11.0	19.0
9 28	1 0.07	− 8 58.4	1.020	2.005	7.5	18.9
10 8	0 51.44	− 9 49.4	1.051	2.030	7.7	19.0
10 18	0 43.51	−10 14.0	1.104	2.057	11.0	19.3
10 28	0 37.51	−10 9.5	1.178	2.085	14.9	19.6
11 7	0 34.18	− 9 37.9	1.272	2.113	18.4	19.9

109069 2001 QZ_{21} 10 7.3 257.°91 0.°5/ 7.6 18

8 29	1 20.85	+ 7 53.4	1.701	2.512	16.8	18.3
9 8	1 16.76	+ 7 55.4	1.611	2.503	13.4	18.1
9 18	1 10.06	+ 7 44.3	1.542	2.494	9.4	17.8
9 28	1 1.28	+ 7 21.9	1.496	2.485	4.8	17.6
10 8	0 51.35	+ 6 52.0	1.477	2.476	0.5	17.2
10 18	0 41.42	+ 6 20.0	1.486	2.467	5.2	17.6
10 28	0 32.71	+ 5 52.0	1.521	2.458	9.8	17.8
11 7	0 26.17	+ 5 33.6	1.581	2.448	14.0	18.0

217128 2002 DV_{15} 10 7.3 124.°49 3.°9/11.5 18

8 29	1 17.97	+19 17.8	2.404	3.147	14.3	20.8
9 8	1 13.67	+19 36.3	2.317	3.154	11.9	20.6
9 18	1 7.46	+19 39.2	2.250	3.161	9.1	20.5
9 28	0 59.83	+19 26.0	2.208	3.168	6.3	20.3
10 8	0 51.48	+18 58.1	2.193	3.174	4.1	20.2
10 18	0 43.21	+18 18.7	2.206	3.180	4.5	20.2
10 28	0 35.86	+17 32.6	2.249	3.186	7.0	20.4
11 7	0 30.08	+16 45.8	2.317	3.192	9.8	20.6

299124 2005 EL_{198} 10 7.3 103.°53 0.°7/ 7.9 18

8 29	1 18.66	+ 9 55.9	2.054	2.849	14.8	21.7
9 8	1 14.30	+ 9 41.8	1.982	2.864	11.7	21.5
9 18	1 7.90	+ 9 14.6	1.931	2.878	8.2	21.3
9 28	1 0.02	+ 8 36.5	1.905	2.892	4.2	21.1
10 8	0 51.47	+ 7 51.7	1.907	2.906	0.7	20.8
10 18	0 43.13	+ 7 5.2	1.938	2.919	4.2	21.1
10 28	0 35.89	+ 6 22.6	1.997	2.932	8.0	21.4
11 7	0 30.40	+ 5 48.7	2.082	2.945	11.3	21.6

239857 1999 XJ_{104} 10 7.3 345.°76 13.°3/28.7 18

8 29	1 16.88	−20 16.2	1.153	2.023	19.3	18.7
9 8	1 14.72	−21 25.3	1.095	2.006	16.6	18.5
9 18	1 9.15	−22 22.8	1.054	1.992	14.3	18.3
9 28	1 0.93	−22 55.1	1.033	1.979	13.3	18.2
10 8	0 51.39	−22 50.8	1.032	1.968	14.1	18.2
10 18	0 42.13	−22 4.3	1.051	1.958	16.5	18.4
10 28	0 34.75	−20 36.4	1.089	1.951	19.5	18.5
11 7	0 30.27	−18 34.0	1.144	1.945	22.5	18.7

324232 2006 BO_{113} 10 7.3 167.°49 0.°8/ 6.2 18

8 29	1 14.74	+ 5 1.9	2.817	3.618	11.1	22.2
9 8	1 10.72	+ 4 32.1	2.732	3.621	8.6	22.1
9 18	1 5.23	+ 3 54.3	2.670	3.624	5.8	21.9
9 28	0 58.66	+ 3 11.4	2.636	3.627	2.8	21.7
10 8	0 51.58	+ 2 27.0	2.631	3.629	1.0	21.6
10 18	0 44.59	+ 1 45.0	2.657	3.631	3.8	21.8
10 28	0 38.31	+ 1 9.2	2.711	3.632	6.8	22.0
11 7	0 33.25	+ 0 42.7	2.792	3.634	9.4	22.2

188330 2003 OU_8 10 7.3 18.°79 7.°4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.28	+28 22.6	1.923	2.641	18.1	18.3
9 8	1 10.68	+28 52.4	1.843	2.647	15.8	18.1
9 18	1 5.78	+28 57.8	1.780	2.654	13.1	17.9
9 28	0 59.11	+28 36.1	1.737	2.662	10.3	17.8
10 8	0 51.54	+27 47.8	1.717	2.670	8.0	17.7
10 18	0 44.10	+26 36.6	1.723	2.679	7.5	17.7
10 28	0 37.82	+25 10.0	1.754	2.689	8.9	17.8
11 7	0 33.49	+23 37.6	1.811	2.699	11.4	17.9

358182 2006 SQ_{81} 10 7.3 56.°11 0.°2/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.37	+ 8 13.9	1.876	2.690	15.3	21.2
9 8	1 12.00	+ 7 43.1	1.800	2.695	12.1	21.0
9 18	1 6.49	+ 6 58.3	1.745	2.700	8.3	20.7
9 28	0 59.39	+ 6 2.7	1.715	2.706	4.0	20.5
10 8	0 51.53	+ 5 2.0	1.712	2.711	0.4	20.2
10 18	0 43.83	+ 4 2.4	1.737	2.717	4.8	20.6
10 28	0 37.23	+ 3 10.5	1.789	2.723	8.9	20.8
11 7	0 32.45	+ 2 31.4	1.866	2.728	12.4	21.1

268190 2004 YT_{22} 10 7.3 263.°73 3.°0/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.71	− 1 44.9	2.508	3.334	11.5	21.0
9 8	1 10.20	− 2 34.1	2.418	3.323	9.0	20.8
9 18	1 5.04	− 3 29.1	2.353	3.312	6.1	20.6
9 28	0 58.63	− 4 25.5	2.314	3.301	3.6	20.5
10 8	0 51.59	− 5 18.0	2.304	3.290	3.4	20.4
10 18	0 44.59	− 6 1.8	2.323	3.278	5.8	20.6
10 28	0 38.33	− 6 32.9	2.369	3.267	8.8	20.7
11 7	0 33.42	− 6 48.8	2.440	3.255	11.5	20.9

498616 2008 RJ_{103} 10 7.3 354.°94 2.°0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.32	+16 38.3	3.879	4.626	9.2	21.2
9 8	1 6.21	+16 38.4	3.780	4.625	7.5	21.1
9 18	1 2.03	+16 29.1	3.705	4.623	5.6	20.9
9 28	0 57.07	+16 10.9	3.655	4.622	3.6	20.8
10 8	0 51.72	+15 45.3	3.634	4.621	2.1	20.7
10 18	0 46.40	+15 14.4	3.643	4.621	2.7	20.7
10 28	0 41.55	+14 40.9	3.681	4.620	4.5	20.8
11 7	0 37.54	+14 7.8	3.748	4.620	6.5	21.0

58594 1997 TF_9 10 7.3 268.°79 1.°2/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.32	+11 18.9	1.742	2.546	16.7	20.0
9 8	1 13.99	+11 4.7	1.646	2.533	13.5	19.8
9 18	1 8.19	+10 33.1	1.570	2.519	9.6	19.5
9 28	1 0.38	+ 9 45.8	1.518	2.505	5.2	19.2
10 8	0 51.45	+ 8 46.8	1.492	2.491	1.2	18.9
10 18	0 42.47	+ 7 42.8	1.494	2.477	4.9	19.2
10 28	0 34.61	+ 6 41.8	1.522	2.462	9.6	19.4
11 7	0 28.79	+ 5 50.9	1.575	2.448	13.7	19.6

14069 Krasheninnikov 10 7.3 351.°30 9.°6/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 24.71	−19 51.5	1.699	2.531	15.9	16.9
9 8	1 19.58	−20 18.5	1.634	2.524	13.4	16.8
9 18	1 11.77	−20 35.0	1.589	2.517	11.0	16.6
9 28	1 1.99	−20 32.8	1.568	2.512	9.7	16.5
10 8	0 51.34	−20 5.5	1.571	2.508	10.0	16.5
10 18	0 41.03	−19 10.6	1.599	2.504	12.0	16.6
10 28	0 32.26	−17 48.9	1.652	2.502	14.5	16.8
11 7	0 25.83	−16 5.0	1.726	2.500	17.1	17.0

53057 1998 XZ_{16} 10 7.3 242.°81 4.°5/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.37	− 2 41.2	1.684	2.525	15.6	19.8
9 8	1 14.66	− 3 38.8	1.608	2.519	12.2	19.6
9 18	1 8.50	− 4 44.1	1.552	2.514	8.5	19.3
9 28	1 0.46	− 5 50.0	1.522	2.508	5.2	19.1
10 8	0 51.45	− 6 48.4	1.518	2.503	5.0	19.1
10 18	0 42.57	− 7 32.1	1.541	2.497	8.2	19.3
10 28	0 34.93	− 7 55.6	1.589	2.491	12.1	19.5
11 7	0 29.37	− 7 56.8	1.660	2.485	15.5	19.7

472104 2014 AA_{31} 10 7.3 156.°79 5.°3/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.34	− 3 29.2	1.787	2.632	14.7	20.9
9 8	1 12.06	− 5 8.7	1.720	2.634	11.4	20.7
9 18	1 6.57	− 6 56.1	1.675	2.636	8.0	20.5
9 28	0 59.45	− 8 42.6	1.657	2.638	5.6	20.4
10 8	0 51.54	−10 18.7	1.666	2.640	6.1	20.4
10 18	0 43.81	−11 35.8	1.702	2.641	8.9	20.6
10 28	0 37.23	−12 28.4	1.763	2.643	12.3	20.8
11 7	0 32.51	−12 54.6	1.845	2.644	15.3	21.0

209587 2004 XB_{110} 10 7.3 10.°34 3.°2/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.44	+13 50.4	1.188	2.014	21.7	19.6
9 8	1 15.03	+14 3.7	1.119	2.014	17.7	19.4
9 18	1 9.35	+13 53.5	1.066	2.015	12.9	19.1
9 28	1 1.06	+13 19.8	1.034	2.017	7.6	18.8
10 8	0 51.40	+12 27.1	1.024	2.019	3.3	18.6
10 18	0 41.92	+11 23.3	1.038	2.022	6.1	18.8
10 28	0 34.19	+10 19.5	1.076	2.026	11.3	19.1
11 7	0 29.31	+ 9 25.9	1.135	2.030	16.1	19.4

511941 2015 HE_{173} 10 7.3 265.°67 0.°8/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 22.02	+ 4 28.1	1.573	2.397	17.3	21.1
9 8	1 17.82	+ 4 25.9	1.490	2.391	13.7	20.8
9 18	1 10.86	+ 4 12.7	1.426	2.385	9.4	20.6
9 28	1 1.70	+ 3 51.3	1.387	2.378	4.6	20.3
10 8	0 51.36	+ 3 26.7	1.374	2.372	1.1	20.0
10 18	0 41.08	+ 3 4.5	1.387	2.366	5.9	20.3
10 28	0 32.16	+ 2 50.4	1.427	2.360	10.7	20.6
11 7	0 25.58	+ 2 48.8	1.490	2.353	14.9	20.9

1984 Fedynskij 10 7.3 51.°27 0.°4/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.03	+ 7 49.4	2.026	2.838	14.4	15.8
9 8	1 10.76	+ 7 12.9	1.951	2.846	11.3	15.6
9 18	1 5.55	+ 6 23.3	1.897	2.853	7.7	15.4
9 28	0 58.91	+ 5 24.4	1.869	2.860	3.7	15.2
10 8	0 51.59	+ 4 21.3	1.869	2.868	0.6	15.0
10 18	0 44.43	+ 3 20.1	1.897	2.876	4.6	15.3
10 28	0 38.28	+ 2 26.9	1.953	2.884	8.4	15.5
11 7	0 33.78	+ 1 46.4	2.033	2.892	11.7	15.8

218444 2004 RT_{200} 10 7.3 0.°61 5.°2/11.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.85	+17 55.2	1.747	2.522	17.7	19.0
9 8	1 14.44	+18 49.5	1.663	2.520	14.9	18.8
9 18	1 8.49	+19 26.9	1.598	2.519	11.5	18.6
9 28	1 0.53	+19 45.1	1.556	2.519	8.0	18.4
10 8	0 51.46	+19 44.2	1.539	2.520	5.5	18.3
10 18	0 42.41	+19 26.7	1.547	2.521	6.1	18.3
10 28	0 34.55	+18 58.4	1.582	2.524	9.1	18.5
11 7	0 28.82	+18 26.4	1.641	2.527	12.5	18.7

40555 1999 RM_{115} 10 7.3 49.°10 5.°2/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.50	− 2 3.8	1.517	2.371	16.4	18.8
9 8	1 11.68	− 3 36.4	1.461	2.381	12.7	18.6
9 18	1 6.42	− 5 17.8	1.427	2.392	8.7	18.4
9 28	0 59.39	− 6 58.5	1.417	2.403	5.6	18.2
10 8	0 51.57	− 8 28.3	1.433	2.414	5.9	18.3
10 18	0 44.06	− 9 38.1	1.475	2.426	9.1	18.5
10 28	0 37.90	−10 22.4	1.542	2.437	12.7	18.7
11 7	0 33.83	−10 39.6	1.629	2.449	16.0	19.0

395966 2013 BQ_3 10 7.3 339.°63 3.°1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.99	− 0 42.5	1.774	2.609	15.2	21.3
9 8	1 14.21	− 1 12.1	1.698	2.607	11.9	21.0
9 18	1 8.11	− 1 48.9	1.643	2.604	8.1	20.8
9 28	1 0.24	− 2 27.6	1.612	2.602	4.3	20.6
10 8	0 51.50	− 3 2.4	1.609	2.600	3.4	20.5
10 18	0 42.90	− 3 27.5	1.632	2.599	6.8	20.7
10 28	0 35.48	− 3 38.3	1.682	2.597	10.6	21.0
11 7	0 30.02	− 3 32.5	1.755	2.596	14.1	21.2

346880 2009 HM_{29} 10 7.3 268.°28 4.°9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.98	− 6 46.8	2.053	2.881	13.6	20.9
9 8	1 16.41	− 7 24.9	1.958	2.861	10.8	20.7
9 18	1 9.59	− 8 5.7	1.886	2.841	7.8	20.5
9 28	1 1.00	− 8 43.3	1.840	2.820	5.3	20.3
10 8	0 51.44	− 9 11.7	1.822	2.798	5.3	20.3
10 18	0 41.85	− 9 25.6	1.831	2.777	8.0	20.4
10 28	0 33.25	− 9 21.5	1.867	2.755	11.3	20.6
11 7	0 26.46	− 8 58.2	1.927	2.733	14.4	20.7

153249 2001 BW_{15} 10 7.3 61.°63 20.°3/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	2 34.47	+62 5.4	1.677	2.026	29.8	19.1
9 8	2 23.61	+65 43.3	1.670	2.097	28.2	19.2
9 18	2 2.17	+68 41.8	1.670	2.167	26.5	19.2
9 28	1 29.35	+70 40.9	1.678	2.234	24.9	19.2
10 8	0 49.13	+71 22.4	1.697	2.299	23.3	19.3
10 18	0 10.31	+70 42.1	1.729	2.361	22.0	19.3
10 28	23 40.81	+68 56.0	1.774	2.421	21.0	19.4
11 7	23 22.96	+66 30.7	1.835	2.480	20.3	19.5

40768 1999 TZ_{17} 10 7.3 136.°21 1.°2/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.17	+13 43.2	1.917	2.709	15.8	18.8
9 8	1 11.86	+12 59.0	1.835	2.713	12.7	18.6
9 18	1 6.42	+11 55.6	1.773	2.717	9.0	18.4
9 28	0 59.39	+10 35.7	1.736	2.721	4.9	18.2
10 8	0 51.58	+ 9 4.9	1.727	2.725	1.2	17.9
10 18	0 43.92	+ 7 30.8	1.746	2.729	4.4	18.2
10 28	0 37.36	+ 6 2.0	1.794	2.732	8.5	18.4
11 7	0 32.59	+ 4 45.6	1.867	2.735	12.1	18.7

375134 2007 WU_{57} 10 7.3 288.°17 3.°0/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.76	+ 3 8.6	1.449	2.293	17.5	21.0
9 8	1 13.24	+ 2 9.7	1.359	2.274	13.8	20.7
9 18	1 7.95	+ 0 54.1	1.289	2.255	9.4	20.4
9 28	1 0.38	− 0 32.1	1.243	2.235	4.8	20.1
10 8	0 51.49	− 1 59.6	1.222	2.216	3.6	20.0
10 18	0 42.53	− 3 17.9	1.227	2.197	8.0	20.2
10 28	0 34.84	− 4 17.3	1.256	2.178	12.9	20.4
11 7	0 29.48	− 4 52.1	1.307	2.159	17.3	20.7

97791 2000 ND_9 10 7.3 27°.18 5°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.77	+16 28.1	0.999	1.831	24.4	17.9
9 8	1 14.87	+17 8.5	0.947	1.842	20.2	17.7
9 18	1 9.37	+17 21.1	0.909	1.854	15.1	17.5
9 28	1 1.07	+17 4.1	0.890	1.868	9.7	17.2
10 8	0 51.45	+16 21.1	0.892	1.883	5.6	17.1
10 18	0 42.26	+15 20.5	0.916	1.900	7.0	17.2
10 28	0 35.17	+14 14.7	0.963	1.917	11.7	17.5
11 7	0 31.22	+13 15.8	1.030	1.935	16.4	17.9

344183 2001 DC_{100} 10 7.3 288°.77 1°.9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.17	+12 54.2	1.786	2.584	16.5	20.4
9 8	1 13.14	+12 46.8	1.682	2.563	13.5	20.2
9 18	1 7.67	+12 21.4	1.598	2.542	9.8	19.9
9 28	1 0.19	+11 38.8	1.537	2.520	5.6	19.6
10 8	0 51.52	+10 42.3	1.502	2.499	2.0	19.3
10 18	0 42.70	+ 9 37.9	1.494	2.477	4.8	19.5
10 28	0 34.91	+ 8 33.4	1.513	2.456	9.4	19.7
11 7	0 29.11	+ 7 36.8	1.557	2.434	13.6	19.9

514072 2014 QJ_{337} 10 7.3 63°.85 3°.6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.58	− 1 21.0	2.051	2.885	13.4	21.5
9 8	1 10.98	− 2 34.5	1.999	2.908	10.3	21.4
9 18	1 5.55	− 3 54.0	1.970	2.931	7.0	21.2
9 28	0 58.86	− 5 13.1	1.967	2.954	4.2	21.1
10 8	0 51.65	− 6 24.8	1.993	2.977	4.1	21.1
10 18	0 44.73	− 7 23.3	2.047	3.000	6.7	21.3
10 28	0 38.85	− 8 4.3	2.127	3.023	9.7	21.6
11 7	0 34.58	− 8 26.2	2.231	3.046	12.4	21.8

76255 2000 EQ_{94} 10 7.3 169°.43 4°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.27	+19 38.1	2.381	3.116	14.6	20.2
9 8	1 16.35	+20 7.2	2.288	3.120	12.2	20.0
9 18	1 9.40	+20 21.0	2.216	3.122	9.5	19.8
9 28	1 0.86	+20 18.4	2.168	3.125	6.6	19.7
10 8	0 51.49	+20 0.0	2.148	3.126	4.5	19.5
10 18	0 42.16	+19 28.5	2.156	3.128	4.9	19.6
10 28	0 33.77	+18 48.6	2.194	3.129	7.4	19.7
11 7	0 27.05	+18 6.4	2.258	3.129	10.2	19.9

227395 2005 UD_{364} 10 7.3 200°.42 1°.7/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.77	+ 4 5.0	1.968	2.784	14.6	21.3
9 8	1 14.63	+ 3 23.7	1.883	2.781	11.4	21.1
9 18	1 8.32	+ 2 31.1	1.820	2.778	7.7	20.9
9 28	1 0.35	+ 1 31.4	1.783	2.774	3.8	20.6
10 8	0 51.54	+ 0 30.6	1.773	2.770	2.0	20.5
10 18	0 42.81	− 0 25.0	1.793	2.765	5.6	20.7
10 28	0 35.14	− 1 9.3	1.839	2.759	9.6	21.0
11 7	0 29.29	− 1 38.3	1.911	2.753	13.1	21.2

378087 2006 UG_{90} 10 7.3 58°.63 3°.5/10.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.39	+17 1.0	1.372	2.173	20.5	21.3
9 8	1 14.43	+16 52.4	1.307	2.185	16.8	21.1
9 18	1 8.58	+16 18.3	1.260	2.198	12.4	20.9
9 28	1 0.56	+15 19.7	1.234	2.212	7.6	20.6
10 8	0 51.54	+14 1.8	1.232	2.225	3.7	20.4
10 18	0 42.83	+12 33.5	1.256	2.239	5.5	20.6
10 28	0 35.73	+11 6.0	1.305	2.253	10.0	20.9
11 7	0 31.12	+ 9 49.4	1.378	2.267	14.2	21.2

136849 1998 CS_1 10 7.3 123°.89 6°.3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 46.57	− 2 2.1	1.265	2.071	21.7	20.7
9 8	1 36.79	− 3 55.4	1.222	2.112	16.9	20.6
9 18	1 23.40	− 5 57.6	1.199	2.150	11.6	20.4
9 28	1 7.56	− 7 55.6	1.204	2.185	7.2	20.2
10 8	0 51.02	− 9 35.0	1.237	2.217	6.9	20.3
10 18	0 35.66	−10 45.6	1.300	2.245	10.7	20.6
10 28	0 23.01	−11 23.2	1.390	2.269	14.9	20.9
11 7	0 13.89	−11 29.7	1.501	2.291	18.6	21.2

243187 2007 TB_{265} 10 7.3 167°.72 2°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.24	+15 41.5	2.066	2.840	15.4	21.1
9 8	1 13.41	+15 33.8	1.979	2.842	12.6	20.9
9 18	1 7.48	+15 9.0	1.912	2.844	9.2	20.7
9 28	0 59.95	+14 27.8	1.869	2.845	5.6	20.5
10 8	0 51.60	+13 33.3	1.853	2.847	2.7	20.3
10 18	0 43.35	+12 30.6	1.866	2.848	4.3	20.4
10 28	0 36.12	+11 26.5	1.907	2.848	7.8	20.6
11 7	0 30.65	+10 27.7	1.974	2.849	11.3	20.8

339253 2004 VN_{54} 10 7.3 305°.60 13°.0/ 3.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 39.00	−20 1.4	1.026	1.870	23.1	20.0
9 8	1 32.97	−20 24.8	0.960	1.858	19.7	19.7
9 18	1 22.22	−20 32.5	0.909	1.846	16.1	19.5
9 28	1 7.61	−20 9.6	0.878	1.835	13.5	19.3
10 8	0 51.01	−19 4.3	0.869	1.824	13.4	19.3
10 18	0 34.86	−17 13.5	0.882	1.813	16.1	19.4
10 28	0 21.48	−14 43.3	0.917	1.803	20.1	19.6
11 7	0 12.31	−11 46.2	0.971	1.794	24.2	19.8

309988 2009 HC_{87} 10 7.3 31°.62 2°.9/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.44	+ 0 30.5	1.729	2.566	15.4	20.9
9 8	1 12.98	− 0 7.2	1.661	2.572	12.0	20.7
9 18	1 7.24	− 0 53.2	1.615	2.578	8.1	20.5
9 28	0 59.83	− 1 42.3	1.593	2.584	4.2	20.3
10 8	0 51.63	− 2 27.8	1.598	2.590	3.2	20.2
10 18	0 43.65	− 3 3.8	1.630	2.597	6.6	20.4
10 28	0 36.88	− 3 25.1	1.687	2.605	10.4	20.7
11 7	0 32.05	− 3 29.3	1.768	2.612	13.9	20.9

357635 2005 GW_8 10 7.3 300°.07 6°.0/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.70	+27 49.1	1.855	2.578	18.6	21.0
9 8	1 12.33	+27 17.9	1.722	2.537	16.3	20.7
9 18	1 7.37	+26 13.6	1.605	2.497	13.3	20.4
9 28	1 0.19	+24 31.6	1.509	2.455	9.8	20.1
10 8	0 51.59	+22 11.7	1.439	2.414	6.7	19.8
10 18	0 42.68	+19 19.6	1.396	2.372	6.4	19.7
10 28	0 34.76	+16 8.1	1.383	2.330	9.7	19.8
11 7	0 28.93	+12 54.0	1.398	2.287	14.0	19.9

38917 2000 SE_{190} 10 7.3 319°.51 1°.5/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.67	+ 4 15.9	1.243	2.090	19.6	19.4
9 8	1 15.93	+ 4 3.0	1.166	2.080	15.6	19.1
9 18	1 10.00	+ 3 35.7	1.107	2.071	10.7	18.8
9 28	1 1.47	+ 2 58.0	1.069	2.062	5.2	18.4
10 8	0 51.51	+ 2 17.0	1.056	2.054	1.8	18.2
10 18	0 41.59	+ 1 40.8	1.067	2.046	7.1	18.5
10 28	0 33.27	+ 1 17.4	1.101	2.038	12.6	18.8
11 7	0 27.70	+ 1 12.0	1.156	2.031	17.5	19.1

359357 2009 TM_{46} 10 7.3 334°.56 1°.0/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.51	+ 1 45.0	3.968	4.776	8.0	20.6
9 8	1 6.29	+ 1 26.6	3.878	4.772	6.2	20.4
9 18	1 2.07	+ 1 4.2	3.812	4.768	4.2	20.3
9 28	0 57.14	+ 0 39.9	3.774	4.765	2.0	20.1
10 8	0 51.86	+ 0 15.9	3.766	4.761	1.2	20.0
10 18	0 46.62	− 0 5.5	3.788	4.758	3.1	20.2
10 28	0 41.82	− 0 21.9	3.839	4.755	5.2	20.3
11 7	0 37.81	− 0 31.8	3.918	4.751	7.1	20.5

179800 2002 TN_{38} 10 7.3 17°.88 0°.3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.69	+ 7 46.6	1.022	1.882	22.0	19.5
9 8	1 13.02	+ 7 46.7	0.969	1.889	17.5	19.2
9 18	1 8.00	+ 7 27.3	0.932	1.897	12.1	19.0
9 28	1 0.41	+ 6 52.0	0.915	1.907	6.0	18.7
10 8	0 51.61	+ 6 8.1	0.920	1.919	0.4	18.3
10 18	0 43.21	+ 5 24.6	0.948	1.932	6.5	18.8
10 28	0 36.72	+ 4 50.9	0.998	1.947	12.2	19.2
11 7	0 33.13	+ 4 33.5	1.068	1.962	17.0	19.5

119349 2001 SP_{212} 10 7.3 309°.80 2°.1/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.30	+ 3 0.5	1.434	2.276	17.7	19.8
9 8	1 14.50	+ 2 38.8	1.346	2.259	14.1	19.5
9 18	1 8.86	+ 2 4.5	1.279	2.242	9.6	19.2
9 28	1 0.88	+ 1 22.0	1.234	2.226	4.8	18.9
10 8	0 51.57	+ 0 38.0	1.213	2.210	2.4	18.7
10 18	0 42.20	+ 0 0.2	1.219	2.195	7.0	19.0
10 28	0 34.15	− 0 24.1	1.248	2.180	12.1	19.2
11 7	0 28.50	− 0 30.1	1.300	2.165	16.6	19.4

156834 2003 BC_{88} 10 7.3 199°.00 0°.1/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.01	+ 8 10.3	1.947	2.751	15.2	21.5
9 8	1 14.90	+ 7 41.7	1.859	2.748	12.0	21.3
9 18	1 8.57	+ 6 59.1	1.793	2.745	8.3	21.0
9 28	1 0.54	+ 6 5.6	1.752	2.742	4.1	20.8
10 8	0 51.62	+ 5 6.0	1.739	2.738	0.4	20.5
10 18	0 42.77	+ 4 6.8	1.754	2.734	4.8	20.8
10 28	0 35.00	+ 3 14.5	1.798	2.729	9.0	21.1
11 7	0 29.09	+ 2 34.4	1.866	2.723	12.7	21.3

419912 2011 BR_9 10 7.3 353°.05 5°.2/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.81	+20 45.1	2.007	2.761	16.4	21.0
9 8	1 12.55	+21 17.9	1.917	2.758	13.9	20.8
9 18	1 7.07	+21 32.5	1.846	2.755	10.9	20.6
9 28	0 59.84	+21 27.1	1.798	2.753	7.8	20.4
10 8	0 51.67	+21 2.6	1.775	2.752	5.5	20.3
10 18	0 43.50	+20 22.1	1.779	2.750	5.7	20.3
10 28	0 36.37	+19 31.4	1.809	2.750	8.2	20.5
11 7	0 31.06	+18 37.9	1.865	2.750	11.3	20.6

226542 2003 UM_{222} 10 7.3 320°.97 2°.2/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.23	+13 16.7	2.047	2.839	15.0	20.1
9 8	1 11.23	+13 22.5	1.947	2.823	12.2	19.8
9 18	1 6.14	+13 13.6	1.867	2.807	8.9	19.6
9 28	0 59.39	+12 50.4	1.811	2.791	5.3	19.4
10 8	0 51.70	+12 15.4	1.781	2.776	2.3	19.1
10 18	0 43.95	+11 32.9	1.779	2.762	4.3	19.2
10 28	0 37.09	+10 48.7	1.805	2.748	8.1	19.4
11 7	0 31.93	+10 8.7	1.855	2.734	11.7	19.6

34686 2001 FA_{40} 10 7.3 32°.03 4°.7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 26.74	+12 43.7	1.319	2.122	21.1	17.8
9 8	1 21.86	+14 5.3	1.262	2.141	17.2	17.6
9 18	1 13.73	+15 10.7	1.223	2.162	12.7	17.4
9 28	1 3.15	+15 57.1	1.207	2.183	8.0	17.2
10 8	0 51.43	+16 24.1	1.215	2.205	4.8	17.0
10 18	0 40.13	+16 34.2	1.249	2.228	6.4	17.2
10 28	0 30.73	+16 33.7	1.308	2.251	10.4	17.5
11 7	0 24.21	+16 29.9	1.390	2.276	14.4	17.8

127812 2003 FT_{85} 10 7.3 180°.98 1°.7/ 8.7 18

8 29	1 20.19	+11 46.7	1.872	2.664	16.1	20.5
9 8	1 15.95	+11 45.9	1.787	2.665	13.0	20.3
9 18	1 9.36	+11 29.8	1.722	2.665	9.3	20.0
9 28	1 0.95	+10 59.7	1.681	2.665	5.2	19.8
10 8	0 51.59	+10 18.9	1.668	2.665	1.7	19.6
10 18	0 42.33	+ 9 32.6	1.682	2.664	4.5	19.8
10 28	0 34.21	+ 8 47.3	1.724	2.663	8.7	20.0
11 7	0 28.07	+ 8 9.1	1.791	2.662	12.4	20.2

195284 2002 EC_{76} 10 7.3 204°.03 0°.7/ 5.8 18

8 29	1 7.02	+ 4 2.1	4.619	5.420	7.1	20.7
9 8	1 4.23	+ 3 27.6	4.528	5.419	5.5	20.6
9 18	1 0.62	+ 2 48.5	4.463	5.418	3.6	20.5
9 28	0 56.42	+ 2 6.6	4.426	5.417	1.7	20.3
10 8	0 51.94	+ 1 24.2	4.419	5.416	0.8	20.2
10 18	0 47.50	+ 0 43.8	4.443	5.415	2.6	20.4
10 28	0 43.42	+ 0 7.5	4.497	5.413	4.5	20.5
11 7	0 40.00	− 0 22.7	4.579	5.412	6.2	20.6

494291 2016 RN_{23} 10 7.3 312°.72 3°.5/ 4.8 18

8 29	1 19.50	− 0 58.4	1.530	2.372	16.8	20.6
9 8	1 15.91	− 1 25.1	1.451	2.364	13.2	20.3
9 18	1 9.60	− 1 59.7	1.393	2.356	9.1	20.1
9 28	1 1.15	− 2 36.5	1.358	2.348	4.9	19.8
10 8	0 51.59	− 3 8.8	1.348	2.340	3.8	19.8
10 18	0 42.11	− 3 29.9	1.365	2.333	7.6	20.0
10 28	0 33.99	− 3 34.7	1.407	2.326	12.0	20.2
11 7	0 28.16	− 3 20.7	1.471	2.319	15.9	20.4

262270 2006 SD_{353} 10 7.3 334°.07 2°.9/ 5.1 18

8 29	1 15.13	+ 0 27.2	1.540	2.387	16.5	20.1
9 8	1 12.49	+ 0 1.9	1.457	2.373	13.0	19.9
9 18	1 7.29	− 0 32.8	1.394	2.359	8.9	19.6
9 28	1 0.04	− 1 11.6	1.355	2.347	4.6	19.3
10 8	0 51.67	− 1 48.1	1.341	2.335	3.3	19.2
10 18	0 43.33	− 2 15.3	1.352	2.324	7.2	19.4
10 28	0 36.23	− 2 27.4	1.389	2.314	11.6	19.6
11 7	0 31.28	− 2 21.4	1.447	2.304	15.6	19.9

383099 2005 SX_{145} 10 7.3 313°.02 2°.2/ 5.7 18

8 29	1 15.70	+ 3 38.8	1.394	2.240	18.0	21.0
9 8	1 13.30	+ 3 6.7	1.308	2.223	14.2	20.7
9 18	1 8.07	+ 2 20.0	1.242	2.207	9.7	20.4
9 28	1 0.51	+ 1 23.5	1.198	2.191	4.8	20.1
10 8	0 51.63	+ 0 24.8	1.179	2.176	2.5	19.9
10 18	0 42.71	− 0 27.3	1.185	2.161	7.2	20.2
10 28	0 35.13	− 1 4.5	1.215	2.147	12.3	20.4
11 7	0 29.95	− 1 21.5	1.267	2.133	16.9	20.7

360031 2013 AA_{30} 10 7.3 254°.58 2°.0/ 3.3 18

8 29	1 8.08	− 3 45.1	4.538	5.355	6.9	20.8
9 8	1 5.06	− 4 16.4	4.452	5.352	5.3	20.7
9 18	1 1.18	− 4 49.4	4.393	5.349	3.7	20.6
9 28	0 56.71	− 5 22.0	4.361	5.345	2.2	20.5
10 8	0 51.94	− 5 51.7	4.360	5.342	2.2	20.5
10 18	0 47.21	− 6 16.5	4.389	5.339	3.6	20.6
10 28	0 42.86	− 6 34.4	4.446	5.335	5.2	20.7
11 7	0 39.19	− 6 44.2	4.530	5.332	6.8	20.8

327093 2004 XO_{31} 10 7.3 311°.20 6°.3/30.5 18

8 29	1 14.30	− 9 56.9	2.036	2.881	13.1	19.8
9 8	1 11.19	−11 4.3	1.953	2.863	10.5	19.6
9 18	1 6.03	−12 13.2	1.893	2.845	8.0	19.4
9 28	0 59.30	−13 16.7	1.858	2.827	6.4	19.3
10 8	0 51.74	−14 7.2	1.850	2.809	7.0	19.3
10 18	0 44.20	−14 38.9	1.867	2.792	9.3	19.4
10 28	0 37.61	−14 48.0	1.910	2.775	12.2	19.6
11 7	0 32.68	−14 33.9	1.974	2.759	14.9	19.7

481509 2007 EP_{143} 10 7.3 160°.18 3°.0/10.7 18

8 29	1 19.62	+16 44.0	2.804	3.546	12.5	21.9
9 8	1 14.69	+17 4.2	2.711	3.551	10.3	21.8
9 18	1 8.08	+17 12.4	2.640	3.556	7.7	21.6
9 28	1 0.20	+17 8.3	2.595	3.560	5.1	21.5
10 8	0 51.68	+16 53.1	2.578	3.564	3.1	21.3
10 18	0 43.20	+16 29.2	2.592	3.568	3.8	21.4
10 28	0 35.49	+16 0.3	2.635	3.571	6.2	21.6
11 7	0 29.15	+15 30.8	2.706	3.573	8.8	21.7

97083 1999 VS_{44} 10 7.3 350°.41 4°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.97	+14 40.4	1.221	2.051	21.0	18.9
9 8	1 10.79	+15 15.7	1.144	2.040	17.4	18.7
9 18	1 6.57	+15 29.3	1.084	2.031	13.0	18.4
9 28	0 59.84	+15 19.9	1.043	2.023	8.2	18.1
10 8	0 51.69	+14 49.5	1.024	2.017	4.4	17.9
10 18	0 43.54	+14 4.0	1.029	2.013	6.2	18.0
10 28	0 36.90	+13 12.9	1.057	2.010	11.0	18.2
11 7	0 32.92	+12 26.3	1.105	2.009	15.7	18.5

233898 2008 YF_{135} 10 7.3 11°.79 1°.3/ 8.4 18

8 29	1 15.69	+11 45.9	1.620	2.431	17.4	20.0
9 8	1 12.75	+11 28.5	1.542	2.432	14.0	19.8
9 18	1 7.32	+10 52.5	1.483	2.433	9.9	19.5
9 28	0 59.99	+10 0.1	1.448	2.434	5.3	19.3
10 8	0 51.69	+ 8 56.6	1.438	2.436	1.3	19.0
10 18	0 43.53	+ 7 49.1	1.455	2.438	4.9	19.3
10 28	0 36.62	+ 6 46.0	1.498	2.440	9.5	19.5
11 7	0 31.82	+ 5 54.6	1.565	2.443	13.5	19.8

316528 2010 VC_{202} 10 7.3 27°.11 3°.4/30.8 18

8 29	1 9.31	−11 14.6	4.245	5.070	7.2	20.2
9 8	1 6.06	−11 51.3	4.174	5.071	5.7	20.1
9 18	1 1.88	−12 27.0	4.127	5.071	4.3	20.0
9 28	0 57.05	−12 58.8	4.109	5.072	3.5	19.9
10 8	0 51.92	−13 24.1	4.120	5.073	3.7	20.0
10 18	0 46.86	−13 40.7	4.159	5.074	4.9	20.0
10 28	0 42.23	−13 47.2	4.226	5.075	6.4	20.1
11 7	0 38.37	−13 42.8	4.318	5.077	7.8	20.3

490471 2009 SS_{321} 10 7.3 327°.46 3°.2/ 4.3 17

8 29	1 16.87	− 2 25.9	2.103	2.934	13.3	21.4
9 8	1 13.01	− 2 52.0	2.021	2.928	10.4	21.2
9 18	1 7.16	− 3 22.8	1.962	2.922	7.1	21.0
9 28	0 59.81	− 3 53.8	1.928	2.916	4.1	20.8
10 8	0 51.72	− 4 20.0	1.922	2.911	3.5	20.8
10 18	0 43.71	− 4 36.9	1.944	2.906	6.3	20.9
10 28	0 36.67	− 4 40.8	1.993	2.901	9.6	21.1
11 7	0 31.27	− 4 30.0	2.066	2.896	12.7	21.3

320364 2007 TJ_{289} 10 7.3 260°.91 1°.5/ 8.5 17

8 29	1 18.18	+12 19.7	1.465	2.278	18.9	21.2
9 8	1 15.18	+12 3.1	1.378	2.268	15.3	20.9
9 18	1 9.31	+11 25.1	1.308	2.258	11.0	20.6
9 28	1 1.12	+10 27.1	1.261	2.248	6.0	20.3
10 8	0 51.62	+ 9 14.5	1.239	2.238	1.5	20.0
10 18	0 42.10	+ 7 55.4	1.244	2.227	5.5	20.3
10 28	0 33.96	+ 6 40.1	1.274	2.216	10.7	20.5
11 7	0 28.23	+ 5 37.8	1.326	2.206	15.4	20.8

191777 2004 TN_{85} 10 7.3 115°.97 0°.0/ 7.2 18

8 29	1 18.14	+ 8 30.3	1.776	2.588	16.1	20.8
9 8	1 14.34	+ 8 2.1	1.702	2.594	12.8	20.6
9 18	1 8.22	+ 7 19.1	1.647	2.601	8.8	20.4
9 28	1 0.37	+ 6 24.6	1.617	2.607	4.3	20.1
10 8	0 51.69	+ 5 24.1	1.615	2.614	0.3	19.8
10 18	0 43.19	+ 4 24.4	1.640	2.620	5.0	20.2
10 28	0 35.91	+ 3 32.5	1.692	2.626	9.2	20.5
11 7	0 30.59	+ 2 53.6	1.769	2.632	13.0	20.7

243587 1998 DU_{9} 10 7.3 227°.27 2°.5/ 9.5 16

8 29	1 23.53	+15 22.8	1.901	2.670	16.7	22.6
9 8	1 18.85	+15 9.3	1.794	2.655	13.8	22.4
9 18	1 11.58	+14 36.1	1.706	2.638	10.1	22.1
9 28	1 2.19	+13 43.4	1.642	2.620	6.0	21.8
10 8	0 51.54	+12 34.1	1.606	2.601	2.6	21.6
10 18	0 40.75	+11 14.3	1.599	2.581	4.9	21.7
10 28	0 31.05	+ 9 52.5	1.621	2.559	9.2	21.9
11 7	0 23.42	+ 8 37.4	1.668	2.536	13.4	22.1

27014 1998 FP_{106} 10 7.3 178°.72 1°.7/ 9.1 18

8 29	1 18.36	+13 45.2	2.196	2.972	14.5	20.1
9 8	1 14.16	+13 27.6	2.106	2.973	11.8	19.9
9 18	1 7.94	+12 54.3	2.038	2.974	8.5	19.7
9 28	1 0.21	+12 6.8	1.994	2.975	4.8	19.5
10 8	0 51.70	+11 8.6	1.979	2.975	1.8	19.3
10 18	0 43.29	+10 4.9	1.993	2.975	4.0	19.4
10 28	0 35.84	+ 9 2.1	2.035	2.973	7.6	19.7
11 7	0 30.06	+ 8 6.1	2.104	2.972	11.0	19.9

345240 2005 UU_{266} 10 7.3 258°.06 0°.6/ 6.4 16

8 29	1 11.06	+ 5 24.3	3.438	4.237	9.3	22.2
9 8	1 7.72	+ 4 55.9	3.337	4.225	7.3	22.1
9 18	1 3.19	+ 4 20.7	3.260	4.213	4.9	21.9
9 28	0 57.77	+ 3 40.7	3.210	4.200	2.4	21.7
10 8	0 51.89	+ 2 58.9	3.190	4.188	0.7	21.6
10 18	0 46.02	+ 2 18.4	3.200	4.176	3.2	21.7
10 28	0 40.67	+ 1 42.4	3.240	4.163	5.8	21.9
11 7	0 36.24	+ 1 13.6	3.308	4.150	8.1	22.1

219055 1996 BJ_{12} 10 7.3 149°.18 3°.3/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 15.29	− 2 3.8	2.263	3.092	12.5	20.3
9 8	1 11.58	− 2 51.6	2.187	3.093	9.7	20.1
9 18	1 6.07	− 3 44.8	2.135	3.094	6.7	19.9
9 28	0 59.25	− 4 38.5	2.108	3.095	3.9	19.7
10 8	0 51.79	− 5 27.3	2.110	3.096	3.6	19.7
10 18	0 44.46	− 6 6.0	2.140	3.096	6.2	19.9
10 28	0 38.02	− 6 30.7	2.197	3.097	9.3	20.1
11 7	0 33.08	− 6 39.5	2.279	3.098	12.0	20.3

168729 2000 OA_{44} 10 7.3 37°.05 6°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.16	+19 35.2	0.963	1.784	26.0	18.9
9 8	1 16.77	+20 21.0	0.921	1.806	21.6	18.7
9 18	1 10.64	+20 34.3	0.893	1.829	16.5	18.5
9 28	1 1.71	+20 12.9	0.883	1.853	11.2	18.3
10 8	0 51.61	+19 20.6	0.893	1.879	7.1	18.1
10 18	0 42.17	+18 6.9	0.925	1.905	7.7	18.3
10 28	0 35.02	+16 45.8	0.979	1.933	11.7	18.6
11 7	0 31.12	+15 30.9	1.054	1.960	16.0	18.9

170615 2003 YT_{49} 10 7.3 316°.24 0°.6/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.93	+ 6 19.1	1.794	2.614	15.7	20.3
9 8	1 13.47	+ 5 57.9	1.712	2.610	12.4	20.1
9 18	1 7.71	+ 5 24.1	1.650	2.607	8.5	19.9
9 28	1 0.18	+ 4 40.8	1.612	2.603	4.1	19.6
10 8	0 51.73	+ 3 53.2	1.601	2.600	0.8	19.3
10 18	0 43.37	+ 3 7.5	1.618	2.597	5.2	19.6
10 28	0 36.13	+ 2 29.9	1.662	2.594	9.5	19.9
11 7	0 30.82	+ 2 5.1	1.729	2.591	13.3	20.1

160615 1999 TG_{97} 10 7.3 26°.21 6°.0/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.63	− 2 56.7	1.407	2.270	16.9	19.0
9 8	1 10.49	− 4 40.3	1.352	2.277	13.1	18.8
9 18	1 5.80	− 6 33.0	1.318	2.284	9.2	18.6
9 28	0 59.23	− 8 23.9	1.309	2.292	6.3	18.5
10 8	0 51.81	−10 1.4	1.324	2.301	6.8	18.5
10 18	0 44.68	−11 15.7	1.364	2.311	10.1	18.7
10 28	0 38.93	−12 0.8	1.428	2.321	13.8	19.0
11 7	0 35.34	−12 15.7	1.512	2.331	17.1	19.2

358111 2006 OV_{6} 10 7.3 355°.91 1°.2/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.40	+10 51.0	1.648	2.462	17.1	20.9
9 8	1 12.51	+10 41.7	1.568	2.460	13.7	20.7
9 18	1 7.18	+10 15.5	1.508	2.458	9.7	20.5
9 28	0 59.96	+ 9 34.4	1.470	2.457	5.2	20.2
10 8	0 51.75	+ 8 43.1	1.458	2.457	1.2	19.9
10 18	0 43.65	+ 7 47.9	1.473	2.457	4.9	20.2
10 28	0 36.76	+ 6 56.5	1.515	2.457	9.4	20.5
11 7	0 31.93	+ 6 15.4	1.579	2.458	13.4	20.7

517493 2014 QE_{245} 10 7.3 57°.62 1°.1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.50	+ 2 26.1	2.152	2.963	13.7	21.0
9 8	1 15.63	+ 2 27.6	2.083	2.978	10.7	20.8
9 18	1 8.81	+ 2 22.5	2.036	2.992	7.2	20.7
9 28	1 0.58	+ 2 13.7	2.016	3.006	3.5	20.4
10 8	0 51.72	+ 2 4.6	2.023	3.021	1.3	20.3
10 18	0 43.10	+ 1 58.6	2.060	3.036	4.7	20.6
10 28	0 35.53	+ 1 58.9	2.126	3.051	8.2	20.8
11 7	0 29.67	+ 2 7.9	2.217	3.066	11.2	21.1

289197 2004 XY_{1} 10 7.3 342°.29 9°.3/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.00	+27 14.4	1.516	2.272	20.8	19.7
9 8	1 8.25	+28 13.8	1.421	2.250	18.4	19.5
9 18	1 4.79	+28 47.3	1.341	2.230	15.5	19.2
9 28	0 59.01	+28 49.6	1.279	2.212	12.5	19.0
10 8	0 51.81	+28 18.1	1.238	2.195	10.0	18.8
10 18	0 44.43	+27 14.7	1.219	2.179	9.4	18.7
10 28	0 38.27	+25 47.1	1.224	2.166	11.2	18.8
11 7	0 34.49	+24 7.4	1.251	2.154	14.3	19.0

315008 2007 BP_{10} 10 7.3 187°.62 3°.8/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.54	− 4 47.1	2.606	3.432	11.2	21.8
9 8	1 11.54	− 5 44.5	2.528	3.431	8.7	21.6
9 18	1 5.93	− 6 45.3	2.474	3.430	6.1	21.4
9 28	0 59.17	− 7 44.7	2.448	3.429	4.1	21.3
10 8	0 51.83	− 8 37.5	2.451	3.427	4.2	21.3
10 18	0 44.59	− 9 19.2	2.482	3.425	6.3	21.4
10 28	0 38.13	− 9 46.2	2.541	3.422	8.9	21.6
11 7	0 33.00	− 9 57.1	2.624	3.420	11.3	21.8

448725 2011 BS_{50} 10 7.3 260°.61 5°.4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.39	− 9 26.5	2.561	3.396	11.1	21.2
9 8	1 10.01	−10 47.7	2.478	3.382	8.8	21.0
9 18	1 5.00	−12 11.1	2.418	3.367	6.7	20.9
9 28	0 58.75	−13 30.5	2.386	3.352	5.4	20.8
10 8	0 51.86	−14 39.4	2.383	3.337	6.0	20.8
10 18	0 44.99	−15 32.7	2.407	3.321	8.0	20.9
10 28	0 38.84	−16 6.6	2.457	3.306	10.4	21.0
11 7	0 34.01	−16 19.9	2.529	3.290	12.6	21.1

523233 2016 YQ_{13} 10 7.3 223°.79 2°.5/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.52	+ 0 58.1	2.521	3.341	11.6	22.0
9 8	1 10.08	− 0 2.4	2.433	3.336	9.0	21.9
9 18	1 5.01	− 1 10.8	2.370	3.330	6.1	21.7
9 28	0 58.74	− 2 22.6	2.334	3.323	3.3	21.5
10 8	0 51.86	− 3 32.4	2.327	3.317	2.8	21.4
10 18	0 45.04	− 4 34.8	2.350	3.310	5.4	21.6
10 28	0 38.97	− 5 24.9	2.400	3.303	8.4	21.8
11 7	0 34.22	− 5 59.7	2.476	3.296	11.2	22.0

399669 2004 RE_{338} 10 7.3 67°.59 0°.0/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.81	+10 5.8	2.078	2.880	14.4	20.9
9 8	1 11.23	+ 9 12.3	2.017	2.904	11.3	20.7
9 18	1 5.81	+ 8 4.4	1.977	2.929	7.7	20.6
9 28	0 59.09	+ 6 46.3	1.964	2.953	3.8	20.4
10 8	0 51.85	+ 5 23.9	1.978	2.977	0.3	20.1
10 18	0 44.88	+ 4 4.0	2.022	3.001	4.3	20.5
10 28	0 38.95	+ 2 52.9	2.094	3.025	7.9	20.8
11 7	0 34.63	+ 1 55.4	2.192	3.049	11.0	21.0

514070 2014 QZ_{199} 10 7.3 88°.64 3°.3/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.16	− 0 7.4	2.334	3.162	12.2	21.1
9 8	1 9.78	− 1 34.5	2.270	3.177	9.4	20.9
9 18	1 4.77	− 3 9.0	2.231	3.191	6.3	20.8
9 28	0 58.58	− 4 44.7	2.219	3.206	3.7	20.6
10 8	0 51.89	− 6 14.9	2.236	3.220	3.7	20.6
10 18	0 45.37	− 7 33.2	2.283	3.234	6.2	20.8
10 28	0 39.73	− 8 34.8	2.357	3.248	9.1	21.0
11 7	0 35.48	− 9 17.3	2.455	3.262	11.7	21.2

332037 2005 QJ_{62} 10 7.3 24°.29 1°.2/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.86	+ 5 44.9	1.040	1.903	21.5	20.5
9 8	1 13.01	+ 5 22.5	0.991	1.915	16.8	20.3
9 18	1 7.90	+ 4 42.2	0.960	1.928	11.4	20.0
9 28	1 0.37	+ 3 49.9	0.949	1.943	5.4	19.8
10 8	0 51.77	+ 2 54.7	0.961	1.959	1.6	19.6
10 18	0 43.65	+ 2 6.3	0.995	1.977	7.1	20.0
10 28	0 37.42	+ 1 33.2	1.053	1.995	12.4	20.4
11 7	0 33.98	+ 1 20.2	1.130	2.015	17.0	20.7

481527 2007 HC_{71} 10 7.3 171°.30 7°.6/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.27	−23 36.3	2.923	3.723	10.7	22.1
9 8	1 16.54	−24 25.6	2.866	3.726	9.2	22.0
9 18	1 9.19	−25 6.5	2.832	3.728	8.0	21.9
9 28	1 0.71	−25 33.8	2.825	3.730	7.6	21.9
10 8	0 51.76	−25 43.1	2.844	3.732	8.1	21.9
10 18	0 43.04	−25 32.2	2.890	3.733	9.3	22.0
10 28	0 35.23	−25 0.7	2.961	3.734	10.8	22.1
11 7	0 28.87	−24 10.6	3.054	3.735	12.2	22.2

305246 2007 XD_{39} 10 7.3 267°.39 5°.3/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.83	− 7 41.8	2.040	2.874	13.5	20.6
9 8	1 14.71	− 8 31.2	1.955	2.860	10.7	20.4
9 18	1 8.45	− 9 22.9	1.893	2.847	7.8	20.2
9 28	1 0.54	−10 10.6	1.856	2.833	5.6	20.1
10 8	0 51.76	−10 47.7	1.847	2.818	5.8	20.0
10 18	0 43.03	−11 8.9	1.865	2.804	8.3	20.2
10 28	0 35.30	−11 10.6	1.909	2.790	11.4	20.3
11 7	0 29.33	−10 52.0	1.975	2.775	14.3	20.5

479196 2013 CN_{80} 10 7.3 274°.92 6°.8/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.53	−11 30.6	2.005	2.839	13.7	21.6
9 8	1 16.20	−12 26.7	1.916	2.817	11.1	21.4
9 18	1 9.57	−13 23.0	1.849	2.795	8.5	21.2
9 28	1 1.14	−14 12.0	1.807	2.773	6.9	21.0
10 8	0 51.72	−14 46.5	1.793	2.750	7.4	21.0
10 18	0 42.28	−15 0.7	1.805	2.727	9.7	21.1
10 28	0 33.87	−14 51.6	1.842	2.704	12.7	21.2
11 7	0 27.32	−14 19.1	1.901	2.681	15.6	21.4

16153 2000 AB 10 7.3 109°.19 2°.1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.63	+ 1 27.3	2.488	3.306	11.9	18.1
9 8	1 10.85	+ 0 42.4	2.415	3.315	9.2	17.9
9 18	1 5.47	− 0 9.4	2.366	3.325	6.2	17.8
9 28	0 58.94	− 1 4.0	2.344	3.334	3.2	17.6
10 8	0 51.89	− 1 56.7	2.351	3.344	2.3	17.5
10 18	0 44.98	− 2 42.7	2.387	3.353	5.0	17.7
10 28	0 38.89	− 3 18.0	2.452	3.362	8.0	17.9
11 7	0 34.17	− 3 40.2	2.541	3.371	10.6	18.1

269229 2008 PD_{17} 10 7.3 351°.05 10°.1/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.29	+33 49.6	2.189	2.841	17.8	20.0
9 8	1 17.23	+35 19.8	2.097	2.838	16.1	19.8
9 18	1 10.58	+36 29.9	2.021	2.836	14.1	19.7
9 28	1 1.78	+37 14.3	1.965	2.834	12.2	19.6
10 8	0 51.68	+37 29.7	1.932	2.832	10.7	19.5
10 18	0 41.39	+37 15.6	1.923	2.830	10.1	19.4
10 28	0 32.16	+36 35.8	1.938	2.829	10.8	19.5
11 7	0 25.02	+35 37.8	1.977	2.829	12.3	19.6

450249 2003 SQ_{360} 10 7.3 308.°10 1.°9/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 12.17	+ 3 45.9	2.252	3.074	12.8	21.5
9 8	1 9.25	+ 2 45.7	2.166	3.069	9.9	21.3
9 18	1 4.58	+ 1 34.9	2.103	3.063	6.7	21.0
9 28	0 58.58	+ 0 17.7	2.067	3.058	3.3	20.8
10 8	0 51.93	− 0 59.6	2.059	3.053	2.3	20.7
10 18	0 45.33	− 2 10.8	2.080	3.048	5.3	20.9
10 28	0 39.57	− 3 10.1	2.128	3.043	8.7	21.2
11 7	0 35.25	− 3 53.6	2.202	3.038	11.8	21.3

355835 2008 UW_{9} 10 7.3 331.°82 0.°4/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.58	+ 5 34.7	4.356	5.152	7.5	21.1
9 8	1 4.75	+ 5 5.0	4.264	5.151	5.8	21.0
9 18	1 1.04	+ 4 29.8	4.198	5.151	3.9	20.8
9 28	0 56.71	+ 3 51.2	4.160	5.150	1.9	20.7
10 8	0 52.07	+ 3 11.3	4.152	5.150	0.5	20.6
10 18	0 47.47	+ 2 32.6	4.174	5.149	2.5	20.7
10 28	0 43.26	+ 1 57.5	4.226	5.149	4.5	20.9
11 7	0 39.75	+ 1 28.1	4.306	5.148	6.4	21.0

471206 2010 UT_{9} 10 7.3 39.°84 1.°7/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.52	+12 35.6	1.121	1.957	22.1	21.1
9 8	1 14.23	+12 18.1	1.067	1.970	17.7	20.8
9 18	1 8.72	+11 35.4	1.029	1.984	12.5	20.6
9 28	1 0.80	+10 30.7	1.011	1.999	6.7	20.3
10 8	0 51.78	+ 9 12.0	1.016	2.015	1.7	20.1
10 18	0 43.19	+ 7 50.0	1.046	2.031	5.9	20.4
10 28	0 36.45	+ 6 36.6	1.099	2.048	11.3	20.8
11 7	0 32.49	+ 5 40.4	1.174	2.065	16.0	21.1

523393 2017 DZ_{61} 10 7.3 228.°74 3.°6/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.57	− 3 39.2	2.528	3.358	11.4	21.8
9 8	1 10.10	− 4 40.0	2.448	3.354	8.8	21.7
9 18	1 5.03	− 5 45.5	2.392	3.350	6.1	21.5
9 28	0 58.77	− 6 50.5	2.363	3.345	4.0	21.4
10 8	0 51.93	− 7 49.7	2.362	3.341	4.1	21.4
10 18	0 45.16	− 8 38.0	2.390	3.337	6.3	21.5
10 28	0 39.16	− 9 11.7	2.445	3.332	9.0	21.7
11 7	0 34.47	− 9 28.7	2.525	3.327	11.5	21.8

100806 1998 FD_{107} 10 7.3 60.°98 5.°0/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 28.26	+15 38.9	1.299	2.091	21.9	18.9
9 8	1 23.05	+16 35.9	1.247	2.117	18.0	18.7
9 18	1 14.55	+17 11.8	1.211	2.143	13.4	18.5
9 28	1 3.60	+17 24.4	1.197	2.169	8.6	18.4
10 8	0 51.59	+17 15.1	1.207	2.196	5.2	18.2
10 18	0 40.13	+16 49.0	1.243	2.222	6.4	18.4
10 28	0 30.68	+16 14.4	1.305	2.248	10.4	18.7
11 7	0 24.19	+15 40.6	1.389	2.274	14.4	19.0

513947 2014 DZ_{123} 10 7.3 127.°29 1.°6/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.00	+11 18.6	2.169	2.948	14.6	21.8
9 8	1 16.94	+11 27.6	2.090	2.960	11.7	21.7
9 18	1 9.82	+11 24.2	2.032	2.971	8.4	21.5
9 28	1 1.17	+11 9.4	2.000	2.982	4.7	21.3
10 8	0 51.77	+10 45.8	1.996	2.993	1.7	21.1
10 18	0 42.53	+10 17.3	2.021	3.003	4.0	21.3
10 28	0 34.36	+ 9 48.6	2.076	3.012	7.6	21.5
11 7	0 27.95	+ 9 24.5	2.156	3.022	10.9	21.8

438942 2010 JC_{31} 10 7.3 176.°00 3.°9/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.61	− 2 59.1	2.038	2.868	13.7	21.6
9 8	1 14.40	− 3 50.4	1.964	2.869	10.7	21.4
9 18	1 8.14	− 4 47.1	1.912	2.870	7.4	21.2
9 28	1 0.35	− 5 43.5	1.886	2.871	4.5	21.1
10 8	0 51.83	− 6 33.4	1.888	2.871	4.3	21.1
10 18	0 43.46	− 7 11.1	1.918	2.871	7.0	21.2
10 28	0 36.13	− 7 32.4	1.974	2.871	10.3	21.4
11 7	0 30.54	− 7 35.5	2.055	2.871	13.3	21.6

145325 2005 LG_{28} 10 7.3 44.°93 3.°5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.56	+ 0 25.4	1.718	2.560	15.3	19.7
9 8	1 11.51	− 0 40.4	1.658	2.571	11.8	19.5
9 18	1 6.27	− 1 55.4	1.619	2.583	8.0	19.3
9 28	0 59.44	− 3 13.0	1.606	2.595	4.4	19.1
10 8	0 51.90	− 4 25.0	1.619	2.608	3.9	19.1
10 18	0 44.63	− 5 24.1	1.659	2.621	7.1	19.3
10 28	0 38.54	− 6 5.0	1.724	2.634	10.8	19.6
11 7	0 34.33	− 6 24.9	1.813	2.647	14.0	19.8

310687 2002 GA_{110} 10 7.3 184.°39 5.°0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.66	− 8 42.3	2.479	3.310	11.5	20.8
9 8	1 11.73	− 9 46.1	2.407	3.310	9.1	20.6
9 18	1 6.13	−10 51.1	2.360	3.310	6.7	20.5
9 28	0 59.31	−11 51.5	2.339	3.310	5.1	20.4
10 8	0 51.91	−12 41.7	2.346	3.309	5.5	20.4
10 18	0 44.63	−13 17.0	2.382	3.308	7.5	20.5
10 28	0 38.18	−13 34.6	2.444	3.307	9.9	20.7
11 7	0 33.13	−13 33.6	2.529	3.305	12.2	20.8

51733 2001 KZ_{45} 10 7.3 201.°58 2.°8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.72	+17 50.5	1.748	2.526	17.6	19.0
9 8	1 13.52	+17 17.1	1.659	2.524	14.5	18.8
9 18	1 7.88	+16 19.5	1.589	2.522	10.7	18.6
9 28	1 0.35	+14 58.8	1.543	2.519	6.5	18.3
10 8	0 51.83	+13 19.9	1.522	2.516	3.0	18.1
10 18	0 43.42	+11 31.0	1.530	2.513	4.7	18.2
10 28	0 36.20	+ 9 42.5	1.566	2.510	9.0	18.5
11 7	0 31.03	+ 8 4.5	1.627	2.506	13.0	18.7

401461 2013 CJ_{166} 10 7.3 34.°35 0.°1/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.60	+ 6 28.2	1.880	2.692	15.3	20.5
9 8	1 14.63	+ 6 25.4	1.803	2.696	12.1	20.3
9 18	1 8.42	+ 6 11.7	1.747	2.701	8.3	20.0
9 28	1 0.55	+ 5 49.5	1.715	2.705	4.1	19.8
10 8	0 51.84	+ 5 22.8	1.711	2.710	0.3	19.5
10 18	0 43.28	+ 4 56.3	1.734	2.715	4.7	19.9
10 28	0 35.85	+ 4 35.2	1.785	2.720	8.8	20.1
11 7	0 30.30	+ 4 23.5	1.861	2.725	12.4	20.4

209186 2003 UR_{190} 10 7.3 321.°27 1.°7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.86	+ 3 34.9	1.677	2.509	16.1	20.5
9 8	1 13.62	+ 3 7.3	1.596	2.502	12.6	20.3
9 18	1 7.95	+ 2 28.2	1.535	2.496	8.6	20.0
9 28	1 0.40	+ 1 41.8	1.498	2.490	4.2	19.7
10 8	0 51.85	+ 0 54.3	1.488	2.484	2.0	19.6
10 18	0 43.38	+ 0 12.3	1.504	2.479	6.1	19.8
10 28	0 36.09	− 0 18.0	1.546	2.474	10.4	20.1
11 7	0 30.84	− 0 32.4	1.612	2.469	14.3	20.3

476528 2008 GX_{111} 10 7.3 139.°93 6.°4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 33.49	−12 4.9	1.841	2.653	15.6	20.9
9 8	1 26.11	−12 24.3	1.775	2.664	12.5	20.7
9 18	1 16.12	−12 39.6	1.731	2.673	9.3	20.5
9 28	1 4.25	−12 44.3	1.714	2.683	6.8	20.4
10 8	0 51.60	−12 32.9	1.725	2.691	6.7	20.4
10 18	0 39.39	−12 2.7	1.765	2.700	9.1	20.6
10 28	0 28.76	−11 13.1	1.832	2.707	12.1	20.8
11 7	0 20.51	−10 6.6	1.924	2.714	15.0	21.0

116811 2004 EP_{77} 10 7.3 33.°65 3.°3/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.99	+ 1 58.8	1.093	1.957	20.6	18.4
9 8	1 14.45	+ 1 15.5	1.049	1.974	16.0	18.1
9 18	1 8.74	+ 0 19.1	1.023	1.992	10.7	17.9
9 28	1 0.76	− 0 42.3	1.018	2.011	5.4	17.7
10 8	0 51.85	− 1 38.8	1.036	2.031	3.7	17.7
10 18	0 43.48	− 2 21.2	1.078	2.052	8.1	18.0
10 28	0 36.99	− 2 43.1	1.143	2.074	13.0	18.3
11 7	0 33.21	− 2 42.2	1.228	2.096	17.1	18.7

242230 2003 SZ_{96} 10 7.3 292.°09 3.°5/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.52	+20 49.2	2.331	3.080	14.5	20.2
9 8	1 9.70	+20 28.3	2.224	3.066	12.2	20.0
9 18	1 5.02	+19 47.4	2.137	3.052	9.4	19.8
9 28	0 58.89	+18 46.6	2.074	3.038	6.3	19.6
10 8	0 51.97	+17 28.6	2.038	3.024	3.8	19.4
10 18	0 45.04	+15 58.2	2.031	3.010	4.3	19.4
10 28	0 38.94	+14 22.6	2.052	2.996	7.2	19.6
11 7	0 34.33	+12 49.6	2.101	2.983	10.4	19.7

518026 2015 VG_{156} 10 7.3 255.°03 4.°7/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.06	− 6 23.7	2.345	3.180	11.9	21.6
9 8	1 10.63	− 7 30.9	2.269	3.177	9.4	21.4
9 18	1 5.47	− 8 41.2	2.217	3.173	6.7	21.2
9 28	0 59.03	− 9 48.8	2.192	3.169	4.9	21.1
10 8	0 51.97	−10 47.5	2.195	3.165	5.2	21.1
10 18	0 45.00	−11 32.1	2.226	3.162	7.4	21.3
10 28	0 38.87	−11 59.0	2.283	3.158	10.1	21.4
11 7	0 34.17	−12 6.7	2.363	3.154	12.6	21.6

139603 2001 QR_{125} 10 7.3 10.°50 0.°2/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.16	+ 7 23.4	1.666	2.487	16.6	19.4
9 8	1 13.82	+ 7 19.8	1.590	2.488	13.2	19.2
9 18	1 8.06	+ 7 3.1	1.534	2.490	9.1	18.9
9 28	1 0.43	+ 6 35.9	1.502	2.492	4.6	18.7
10 8	0 51.87	+ 6 2.6	1.496	2.495	0.3	18.3
10 18	0 43.45	+ 5 28.8	1.517	2.499	5.0	18.7
10 28	0 36.27	+ 5 0.8	1.564	2.503	9.5	19.0
11 7	0 31.14	+ 4 43.2	1.635	2.507	13.4	19.2

324839 2007 JZ_{36} 10 7.4 129.°78 4.°4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.47	− 6 33.7	2.426	3.257	11.7	20.5
9 8	1 11.60	− 7 27.2	2.356	3.261	9.2	20.3
9 18	1 6.06	− 8 22.8	2.310	3.264	6.6	20.2
9 28	0 59.30	− 9 15.2	2.290	3.268	4.6	20.1
10 8	0 51.98	− 9 59.1	2.298	3.271	4.8	20.1
10 18	0 44.79	−10 30.1	2.335	3.274	6.9	20.2
10 28	0 38.46	−10 45.1	2.398	3.277	9.5	20.4
11 7	0 33.55	−10 43.2	2.485	3.280	11.9	20.6

229859 2009 TD_6 10 7.4 327.°50 2.°3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.64	− 4 16.6	3.878	4.699	7.9	19.5
9 8	1 6.48	− 4 44.8	3.791	4.692	6.1	19.3
9 18	1 2.30	− 5 14.9	3.729	4.685	4.2	19.2
9 28	0 57.39	− 5 44.1	3.694	4.678	2.6	19.1
10 8	0 52.12	− 6 9.9	3.689	4.671	2.6	19.1
10 18	0 46.89	− 6 29.7	3.714	4.665	4.1	19.2
10 28	0 42.10	− 6 41.5	3.767	4.658	6.0	19.3
11 7	0 38.13	− 6 44.0	3.846	4.652	7.8	19.4

52873 1998 SP_{35} 10 7.4 171.°41 1.°6/ 6.1 18

8 29	1 22.19	+ 3 1.8	1.692	2.514	16.4	20.0
9 8	1 17.72	+ 2 44.9	1.615	2.515	12.9	19.8
9 18	1 10.71	+ 2 18.0	1.558	2.516	8.8	19.6
9 28	1 1.75	+ 1 45.1	1.526	2.517	4.3	19.3
10 8	0 51.81	+ 1 11.6	1.521	2.518	1.9	19.1
10 18	0 42.03	+ 0 43.2	1.543	2.518	6.0	19.4
10 28	0 33.56	+ 0 25.5	1.593	2.518	10.3	19.7
11 7	0 27.24	+ 0 21.8	1.666	2.518	14.2	19.9

512815 2016 UR_{99} 10 7.4 187.°79 2.°2/ 9.7 18

8 29	1 16.56	+15 26.2	2.037	2.815	15.5	21.9
9 8	1 12.99	+15 4.3	1.948	2.815	12.6	21.7
9 18	1 7.32	+14 24.2	1.879	2.814	9.2	21.5
9 28	1 0.04	+13 27.0	1.835	2.813	5.4	21.3
10 8	0 51.93	+12 16.8	1.817	2.812	2.3	21.1
10 18	0 43.91	+10 59.4	1.829	2.811	4.2	21.2
10 28	0 36.91	+ 9 42.5	1.868	2.809	8.0	21.5
11 7	0 31.65	+ 8 33.0	1.933	2.808	11.5	21.7

467576 2007 TY_{447} 10 7.4 32.°06 6.°0/ 4.2 17

8 29	1 21.09	− 4 19.1	0.968	1.843	21.8	19.7
9 8	1 18.03	− 4 52.8	0.927	1.857	17.0	19.5
9 18	1 11.38	− 5 31.5	0.903	1.872	11.8	19.3
9 28	1 2.12	− 6 5.6	0.899	1.888	7.2	19.1
10 8	0 51.81	− 6 25.4	0.917	1.905	6.4	19.1
10 18	0 42.18	− 6 24.2	0.957	1.923	10.3	19.4
10 28	0 34.77	− 5 58.8	1.019	1.943	15.0	19.7
11 7	0 30.47	− 5 10.8	1.100	1.963	19.1	20.0

100118 1993 LG_1 10 7.4 83.°02 12.°6/23.7 17

8 29	1 22.75	+42 39.1	1.766	2.374	22.7	18.9
9 8	1 18.96	+43 36.3	1.699	2.394	20.8	18.8
9 18	1 11.95	+44 0.4	1.643	2.415	18.6	18.6
9 28	1 2.46	+43 44.7	1.603	2.434	16.3	18.5
10 8	0 51.78	+42 46.3	1.581	2.454	14.2	18.4
10 18	0 41.45	+41 7.4	1.581	2.474	12.8	18.4
10 28	0 32.95	+38 56.7	1.604	2.493	12.7	18.5
11 7	0 27.27	+36 27.9	1.651	2.512	13.8	18.6

60407 2000 CZ_1 10 7.4 99.°18 2.°4/ 4.4 18

8 29	1 13.51	+ 0 59.8	2.381	3.204	12.1	19.5
9 8	1 10.15	+ 0 5.4	2.304	3.207	9.4	19.4
9 18	1 5.12	− 0 56.5	2.250	3.210	6.3	19.2
9 28	0 58.87	− 2 1.4	2.223	3.213	3.4	19.0
10 8	0 52.04	− 3 3.8	2.225	3.216	2.8	19.0
10 18	0 45.32	− 3 58.5	2.256	3.219	5.4	19.1
10 28	0 39.42	− 4 40.8	2.314	3.222	8.5	19.3
11 7	0 34.91	− 5 8.0	2.398	3.225	11.3	19.5

480940 2003 SP_{102} 10 7.4 37.°68 12.°7/14.1 18

8 29	1 40.97	+28 17.9	1.595	2.281	22.4	20.1
9 8	1 34.04	+31 14.9	1.520	2.292	20.0	19.9
9 18	1 23.02	+33 54.2	1.463	2.304	17.3	19.7
9 28	1 8.36	+36 3.9	1.429	2.316	14.7	19.6
10 8	0 51.36	+37 34.1	1.419	2.329	13.0	19.6
10 18	0 33.97	+38 20.2	1.435	2.343	12.9	19.6
10 28	0 18.41	+38 26.5	1.475	2.357	14.1	19.7
11 7	0 6.33	+38 4.4	1.538	2.371	16.2	19.9

250779 2005 TL_{39} 10 7.4 19.°23 1.°8/ 5.7 18

8 29	1 14.93	+ 3 34.1	1.801	2.631	15.2	20.5
9 8	1 11.82	+ 2 58.4	1.728	2.635	11.8	20.3
9 18	1 6.55	+ 2 11.8	1.677	2.639	8.0	20.1
9 28	0 59.66	+ 1 19.0	1.651	2.643	3.9	19.9
10 8	0 51.99	+ 0 26.1	1.651	2.648	2.1	19.7
10 18	0 44.48	− 0 20.6	1.679	2.653	5.7	20.0
10 28	0 38.09	− 0 55.4	1.733	2.658	9.7	20.3
11 7	0 33.52	− 1 14.7	1.811	2.664	13.2	20.5

172349 2002 VO_{122} 10 7.4 341.°70 5.°9/12.3 18

8 29	1 14.86	+20 28.6	1.593	2.370	19.1	19.2
9 8	1 12.53	+21 4.8	1.505	2.361	16.2	18.9
9 18	1 7.52	+21 19.1	1.434	2.352	12.8	18.7
9 28	1 0.35	+21 9.0	1.384	2.345	9.1	18.5
10 8	0 51.93	+20 35.0	1.358	2.338	6.2	18.3
10 18	0 43.48	+19 41.1	1.357	2.332	6.5	18.3
10 28	0 36.26	+18 35.3	1.381	2.327	9.7	18.5
11 7	0 31.30	+17 27.6	1.428	2.323	13.4	18.7

241956 2002 ET_8 10 7.4 255.°41 0.°7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 7.39	+ 4 27.0	4.497	5.296	7.3	20.7
9 8	1 4.61	+ 3 51.7	4.402	5.292	5.6	20.6
9 18	1 0.98	+ 3 11.4	4.333	5.287	3.8	20.5
9 28	0 56.74	+ 2 28.1	4.292	5.283	1.8	20.3
10 8	0 52.20	+ 1 44.0	4.281	5.278	0.8	20.2
10 18	0 47.69	+ 1 1.6	4.301	5.273	2.6	20.4
10 28	0 43.55	+ 0 23.4	4.351	5.269	4.5	20.5
11 7	0 40.08	− 0 8.6	4.429	5.264	6.3	20.6

166940 2003 HU_{44} 10 7.4 37.°58 2.°4/ 9.2 17

8 29	1 14.97	+15 0.5	1.048	1.884	23.3	18.7
9 8	1 13.25	+14 37.8	0.996	1.898	18.8	18.4
9 18	1 8.19	+13 45.3	0.960	1.913	13.5	18.2
9 28	1 0.63	+12 26.1	0.943	1.929	7.6	17.9
10 8	0 51.95	+10 48.8	0.948	1.946	2.6	17.7
10 18	0 43.72	+ 9 6.3	0.977	1.963	6.0	18.0
10 28	0 37.42	+ 7 32.5	1.030	1.981	11.5	18.4
11 7	0 33.97	+ 6 18.0	1.103	2.000	16.3	18.7

99709 2002 JW_{39} 10 7.4 7.°66 9.°2/29.2 18

8 29	1 15.79	−16 16.8	1.657	2.510	15.2	18.1
9 8	1 12.68	−17 27.2	1.606	2.512	12.6	18.0
9 18	1 7.19	−18 31.6	1.575	2.515	10.3	17.8
9 28	0 59.97	−19 20.7	1.568	2.518	9.2	17.8
10 8	0 52.00	−19 46.9	1.585	2.523	9.9	17.9
10 18	0 44.32	−19 45.6	1.625	2.529	11.9	18.0
10 28	0 37.96	−19 15.9	1.688	2.535	14.4	18.2
11 7	0 33.64	−18 20.2	1.771	2.542	16.9	18.4

458571 2011 EE_{77} 10 7.4 319.°63 6.°3/11.0 17

8 29	1 26.25	+18 19.7	1.964	2.711	16.9	20.9
9 8	1 21.36	+19 50.3	1.851	2.687	14.5	20.7
9 18	1 13.66	+21 10.5	1.758	2.664	11.6	20.5
9 28	1 3.52	+22 16.0	1.689	2.641	8.5	20.2
10 8	0 51.73	+23 3.5	1.647	2.618	6.5	20.1
10 18	0 39.47	+23 31.8	1.632	2.596	7.1	20.1
10 28	0 28.09	+23 43.2	1.645	2.574	9.9	20.2
11 7	0 18.81	+23 43.4	1.684	2.553	13.2	20.3

24619 1979 DA 10 7.4 188.°48 3.°4/ 3.8 18

8 29	1 21.14	− 4 11.5	2.500	3.314	11.9	19.6
9 8	1 16.01	− 4 46.8	2.417	3.314	9.3	19.4
9 18	1 9.09	− 5 25.2	2.358	3.312	6.5	19.3
9 28	1 0.84	− 6 2.4	2.327	3.310	4.0	19.1
10 8	0 51.95	− 6 33.8	2.324	3.307	3.7	19.1
10 18	0 43.16	− 6 55.2	2.352	3.304	6.1	19.2
10 28	0 35.25	− 7 3.7	2.408	3.300	8.9	19.4
11 7	0 28.83	− 6 57.9	2.489	3.295	11.6	19.6

189029 1999 UA_{27} 10 7.4 358.°35 3.°7/11.2 18

8 29	1 12.49	+18 27.6	1.805	2.585	17.1	19.2
9 8	1 10.16	+18 25.5	1.720	2.583	14.2	19.0
9 18	1 5.58	+18 2.3	1.654	2.582	10.7	18.8
9 28	0 59.27	+17 17.9	1.610	2.581	7.0	18.6
10 8	0 52.05	+16 15.6	1.591	2.580	4.0	18.4
10 18	0 44.90	+15 1.1	1.600	2.581	4.9	18.5
10 28	0 38.84	+13 42.6	1.634	2.582	8.3	18.7
11 7	0 34.66	+12 28.5	1.694	2.584	12.0	18.9

439139 2011 UK_2 10 7.4 1.°33 4.°0/11.1 15

8 29	1 9.02	+18 29.7	1.342	2.153	20.4	20.3
9 8	1 8.16	+18 22.3	1.267	2.150	16.9	20.1
9 18	1 4.59	+17 46.8	1.210	2.149	12.8	19.8
9 28	0 58.89	+16 43.5	1.173	2.149	8.2	19.6
10 8	0 52.09	+15 17.3	1.159	2.150	4.4	19.4
10 18	0 45.40	+13 37.2	1.169	2.153	5.5	19.5
10 28	0 40.11	+11 55.3	1.204	2.158	9.9	19.7
11 7	0 37.12	+10 23.4	1.262	2.163	14.3	20.0

431410 2007 HX_{27} 10 7.4 93.°12 2.°9/ 4.9 15

8 29	1 22.97	− 0 3.4	1.823	2.645	15.4	22.2
9 8	1 17.81	− 0 39.9	1.768	2.669	11.9	22.0
9 18	1 10.43	− 1 23.1	1.734	2.693	8.0	21.8
9 28	1 1.49	− 2 7.9	1.727	2.716	4.2	21.6
10 8	0 51.93	− 2 48.1	1.747	2.739	3.2	21.6
10 18	0 42.76	− 3 18.4	1.796	2.761	6.3	21.9
10 28	0 34.94	− 3 34.9	1.871	2.783	9.9	22.1
11 7	0 29.11	− 3 35.7	1.971	2.804	13.1	22.4

211506 2003 QG_{20} 10 7.4 43.°74 2.°7/ 8.9 18

8 29	1 24.12	+10 34.8	1.130	1.959	22.4	19.2
9 8	1 20.27	+11 13.5	1.076	1.974	18.0	19.0
9 18	1 12.94	+11 33.4	1.039	1.991	12.9	18.7
9 28	1 2.98	+11 34.8	1.022	2.008	7.2	18.5
10 8	0 51.82	+11 20.8	1.029	2.026	2.7	18.3
10 18	0 41.14	+10 57.7	1.060	2.044	6.1	18.6
10 28	0 32.50	+10 33.8	1.115	2.063	11.3	18.9
11 7	0 26.93	+10 16.6	1.191	2.082	15.9	19.2

517959 2015 TW_{359} 10 7.4 39°.05 8°.9/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.50	−16 59.2	1.989	2.836	13.3	20.7
9 8	1 10.50	−18 51.8	1.946	2.845	11.1	20.6
9 18	1 5.52	−20 39.0	1.925	2.854	9.4	20.5
9 28	0 59.11	−22 11.3	1.930	2.864	8.9	20.5
10 8	0 52.08	−23 21.0	1.960	2.874	9.8	20.6
10 18	0 45.28	−24 3.2	2.015	2.884	11.6	20.7
10 28	0 39.55	−24 16.1	2.092	2.895	13.6	20.9
11 7	0 35.51	−24 1.4	2.187	2.906	15.6	21.1

24314 2000 AQ_2 10 7.4 58°.65 2°.6/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.56	− 1 21.8	2.176	2.999	13.2	17.4
9 8	1 14.17	− 1 41.8	2.108	3.010	10.2	17.3
9 18	1 7.89	− 2 6.3	2.062	3.020	6.9	17.1
9 28	1 0.26	− 2 31.4	2.043	3.031	3.7	16.9
10 8	0 52.02	− 2 52.8	2.051	3.042	2.9	16.9
10 18	0 43.98	− 3 6.3	2.088	3.054	5.6	17.1
10 28	0 36.95	− 3 9.0	2.153	3.065	8.8	17.3
11 7	0 31.55	− 2 59.1	2.243	3.076	11.7	17.5

120429 2225 T-$_3$ 10 7.4 319°.12 2°.6/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.46	+12 8.3	1.383	2.205	19.3	20.2
9 8	1 13.45	+12 25.4	1.288	2.183	15.9	19.9
9 18	1 8.48	+12 23.8	1.211	2.161	11.6	19.6
9 28	1 1.00	+12 3.3	1.155	2.140	6.8	19.3
10 8	0 51.95	+11 26.6	1.122	2.119	2.6	19.0
10 18	0 42.67	+10 39.4	1.115	2.099	5.7	19.1
10 28	0 34.67	+ 9 50.5	1.131	2.080	11.0	19.3
11 7	0 29.17	+ 9 9.1	1.169	2.062	15.9	19.6

282054 1999 TS_{129} 10 7.4 9°.23 0°.5/ 7.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.83	+ 9 52.3	1.063	1.923	21.3	19.6
9 8	1 8.42	+ 9 33.6	1.006	1.926	17.0	19.3
9 18	1 4.94	+ 8 51.6	0.966	1.931	11.8	19.1
9 28	0 59.09	+ 7 50.5	0.946	1.938	6.0	18.8
10 8	0 52.09	+ 6 38.9	0.948	1.947	0.5	18.4
10 18	0 45.38	+ 5 27.6	0.973	1.958	6.2	18.9
10 28	0 40.32	+ 4 27.6	1.020	1.970	11.7	19.2
11 7	0 37.87	+ 3 46.8	1.088	1.985	16.5	19.6

199530 2006 DJ_{190} 10 7.4 282°.68 2°.3/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.50	+ 3 25.4	1.722	2.553	15.7	20.8
9 8	1 13.44	+ 2 39.7	1.629	2.536	12.4	20.5
9 18	1 7.96	+ 1 40.7	1.557	2.518	8.5	20.2
9 28	1 0.53	+ 0 33.1	1.509	2.501	4.2	20.0
10 8	0 52.00	− 0 35.9	1.488	2.483	2.6	19.8
10 18	0 43.42	− 1 38.6	1.494	2.465	6.6	20.0
10 28	0 35.91	− 2 27.3	1.526	2.447	11.0	20.2
11 7	0 30.39	− 2 57.2	1.580	2.430	15.0	20.5

410981 2009 TE_{47} 10 7.4 332°.97 2°.8/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.66	+12 8.2	1.878	2.671	16.0	20.2
9 8	1 15.04	+12 45.8	1.781	2.657	13.1	19.9
9 18	1 9.02	+13 11.2	1.705	2.644	9.7	19.7
9 28	1 1.06	+13 23.8	1.653	2.632	5.8	19.5
10 8	0 51.97	+13 24.5	1.626	2.620	2.9	19.2
10 18	0 42.79	+13 16.3	1.628	2.609	4.8	19.3
10 28	0 34.63	+13 3.7	1.656	2.599	8.7	19.6
11 7	0 28.40	+12 52.1	1.709	2.589	12.4	19.8

320217 2007 HF_{45} 10 7.4 170°.38 6°.0/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.77	−15 47.3	2.853	3.673	10.4	21.2
9 8	1 13.15	−16 45.1	2.789	3.677	8.5	21.0
9 18	1 7.01	−17 39.2	2.750	3.679	6.9	20.9
9 28	0 59.79	−18 24.5	2.737	3.682	6.1	20.9
10 8	0 52.08	−18 56.2	2.753	3.684	6.5	20.9
10 18	0 44.51	−19 11.2	2.796	3.685	8.0	21.0
10 28	0 37.73	−19 7.9	2.865	3.686	9.9	21.2
11 7	0 32.25	−18 46.8	2.956	3.687	11.6	21.3

66558 1999 RX_{134} 10 7.4 101°.71 6°.2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.85	+22 35.8	1.909	2.642	17.8	19.3
9 8	1 18.99	+23 23.8	1.832	2.655	15.1	19.2
9 18	1 11.60	+23 52.0	1.773	2.669	12.0	19.0
9 28	1 2.25	+23 57.8	1.737	2.682	8.9	18.8
10 8	0 51.91	+23 41.1	1.727	2.695	6.5	18.7
10 18	0 41.71	+23 5.0	1.743	2.708	6.5	18.8
10 28	0 32.80	+22 15.7	1.786	2.720	8.8	18.9
11 7	0 26.05	+21 21.5	1.855	2.733	11.8	19.1

264319 1999 TD_{155} 10 7.4 347°.71 3°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.38	+13 46.4	1.076	1.920	22.3	19.7
9 8	1 10.74	+14 2.4	1.004	1.910	18.3	19.5
9 18	1 6.83	+13 53.1	0.946	1.901	13.5	19.2
9 28	1 0.20	+13 18.1	0.908	1.893	8.0	18.8
10 8	0 52.03	+12 21.8	0.891	1.887	3.5	18.6
10 18	0 43.88	+11 12.8	0.897	1.883	6.3	18.7
10 28	0 37.41	+10 3.4	0.924	1.880	11.8	19.0
11 7	0 33.81	+ 9 5.2	0.972	1.879	17.0	19.3

452442 2003 SD_{29} 10 7.4 311°.69 3°.6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 13.43	+19 19.8	2.219	2.977	14.9	20.5
9 8	1 10.53	+19 16.6	2.119	2.968	12.4	20.3
9 18	1 5.67	+18 55.0	2.040	2.958	9.5	20.1
9 28	0 59.30	+18 15.0	1.984	2.949	6.4	19.9
10 8	0 52.11	+17 18.7	1.954	2.940	3.9	19.8
10 18	0 44.91	+16 10.6	1.952	2.931	4.4	19.8
10 28	0 38.58	+14 57.1	1.978	2.922	7.4	19.9
11 7	0 33.82	+13 45.4	2.031	2.914	10.6	20.1

63818 2001 RV_{63} 10 7.4 287°.73 0°.6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.75	+ 8 8.8	1.600	2.425	17.0	19.9
9 8	1 13.08	+ 7 30.7	1.508	2.409	13.6	19.7
9 18	1 7.84	+ 6 34.4	1.435	2.393	9.4	19.4
9 28	1 0.52	+ 5 23.4	1.385	2.376	4.6	19.1
10 8	0 52.02	+ 4 4.4	1.362	2.360	0.8	18.8
10 18	0 43.47	+ 2 45.9	1.365	2.344	5.8	19.1
10 28	0 36.07	+ 1 37.3	1.394	2.329	10.7	19.3
11 7	0 30.80	+ 0 45.6	1.446	2.313	15.1	19.6

452671 2005 WG_{133} 10 7.4 67°.70 4°.7/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.01	− 6 50.3	2.097	2.931	13.2	21.0
9 8	1 13.84	− 7 34.6	2.033	2.938	10.4	20.8
9 18	1 7.72	− 8 20.4	1.991	2.946	7.4	20.7
9 28	1 0.21	− 9 2.1	1.975	2.954	5.1	20.6
10 8	0 52.06	− 9 34.0	1.987	2.962	5.2	20.6
10 18	0 44.13	− 9 51.6	2.026	2.970	7.5	20.7
10 28	0 37.24	− 9 52.2	2.091	2.978	10.3	20.9
11 7	0 32.03	− 9 35.3	2.180	2.986	13.0	21.1

154615 2003 SG_{59} 10 7.4 126°.55 5°.9/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.46	+29 19.3	2.831	3.498	13.8	20.2
9 8	1 14.00	+29 44.3	2.744	3.511	12.1	20.0
9 18	1 7.78	+29 51.4	2.675	3.524	10.0	19.9
9 28	1 0.24	+29 39.1	2.629	3.536	8.0	19.8
10 8	0 52.06	+29 7.5	2.609	3.548	6.4	19.7
10 18	0 43.97	+28 18.9	2.616	3.560	6.0	19.7
10 28	0 36.72	+27 17.7	2.652	3.572	7.0	19.8
11 7	0 30.94	+26 10.0	2.715	3.582	8.8	19.9

119363 2001 SX_{246} 10 7.4 43°.09 1°.8/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.54	+ 2 21.8	1.275	2.118	19.5	19.7
9 8	1 18.51	+ 2 17.4	1.221	2.133	15.3	19.5
9 18	1 11.45	+ 2 2.6	1.187	2.150	10.3	19.3
9 28	1 2.17	+ 1 41.9	1.174	2.167	5.0	19.0
10 8	0 51.94	+ 1 21.6	1.187	2.184	2.1	18.9
10 18	0 42.18	+ 1 7.7	1.225	2.202	6.7	19.3
10 28	0 34.21	+ 1 5.6	1.287	2.221	11.5	19.6
11 7	0 28.90	+ 1 18.0	1.371	2.240	15.7	19.9

265142 2003 UP_{309} 10 7.4 2°.89 3°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.24	+15 10.2	1.226	2.046	21.5	20.0
9 8	1 14.15	+15 22.2	1.155	2.045	17.6	19.8
9 18	1 8.91	+15 9.6	1.099	2.045	13.0	19.5
9 28	1 1.13	+14 32.3	1.064	2.045	7.9	19.2
10 8	0 52.00	+13 34.3	1.052	2.046	3.8	19.0
10 18	0 42.99	+12 23.5	1.064	2.048	6.0	19.2
10 28	0 35.64	+11 11.3	1.099	2.050	11.0	19.4
11 7	0 31.00	+10 8.5	1.156	2.053	15.7	19.7

43521 2001 DU_{19} 10 7.4 259°.92 4°.8/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.44	− 7 8.7	2.348	3.181	12.0	19.5
9 8	1 11.78	− 8 7.3	2.267	3.173	9.4	19.3
9 18	1 6.33	− 9 8.4	2.210	3.164	6.8	19.1
9 28	0 59.56	−10 6.3	2.180	3.156	5.0	19.0
10 8	0 52.11	−10 55.2	2.177	3.147	5.3	19.0
10 18	0 44.73	−11 30.1	2.202	3.138	7.5	19.1
10 28	0 38.19	−11 47.5	2.254	3.130	10.1	19.3
11 7	0 33.10	−11 46.3	2.329	3.121	12.7	19.5

66927 1999 VP_{199} 10 7.4 18°.29 11°.0/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.69	−19 20.3	1.588	2.444	15.6	17.9
9 8	1 11.16	−21 10.5	1.550	2.452	13.2	17.8
9 18	1 6.21	−22 51.3	1.534	2.461	11.5	17.7
9 28	0 59.53	−24 11.7	1.540	2.470	11.0	17.7
10 8	0 52.12	−25 2.8	1.570	2.481	11.9	17.8
10 18	0 45.05	−25 20.1	1.621	2.492	13.8	17.9
10 28	0 39.34	−25 3.2	1.693	2.504	16.0	18.1
11 7	0 35.67	−24 15.6	1.783	2.517	18.1	18.3

39532 1990 HZ_1 10 7.4 249°.85 5°.4/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.58	− 9 40.9	2.578	3.410	11.1	18.8
9 8	1 10.99	−10 56.9	2.494	3.396	8.8	18.6
9 18	1 5.76	−12 14.7	2.434	3.382	6.7	18.5
9 28	0 59.27	−13 28.2	2.402	3.367	5.4	18.4
10 8	0 52.14	−14 31.2	2.398	3.353	6.0	18.4
10 18	0 45.02	−15 18.8	2.422	3.338	7.9	18.5
10 28	0 38.65	−15 47.4	2.472	3.322	10.3	18.6
11 7	0 33.59	−15 55.8	2.545	3.307	12.5	18.8

390151 2012 VF_{88} 10 7.4 352°.45 0°.3/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.30	+ 8 44.7	1.574	2.397	17.4	21.0
9 8	1 13.39	+ 8 30.1	1.496	2.394	13.8	20.8
9 18	1 7.94	+ 7 59.4	1.437	2.392	9.6	20.5
9 28	1 0.51	+ 7 15.5	1.401	2.391	4.9	20.2
10 8	0 52.05	+ 6 23.6	1.390	2.389	0.4	19.9
10 18	0 43.70	+ 5 30.7	1.406	2.389	5.2	20.3
10 28	0 36.61	+ 4 44.5	1.448	2.388	9.9	20.5
11 7	0 31.66	+ 4 10.9	1.514	2.388	14.1	20.8

37558 1984 SG_{6} 10 7.4 332°.51 3°.2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.29	+ 2 46.4	1.721	2.565	15.2	17.8
9 8	1 8.47	+ 1 26.4	1.637	2.552	11.8	17.5
9 18	1 4.47	− 0 8.4	1.574	2.540	8.0	17.3
9 28	0 58.77	− 1 51.3	1.537	2.528	4.2	17.0
10 8	0 52.17	− 3 33.1	1.526	2.517	3.7	17.0
10 18	0 45.60	− 5 4.3	1.542	2.506	7.3	17.2
10 28	0 40.06	− 6 16.8	1.584	2.497	11.3	17.4
11 7	0 36.32	− 7 5.5	1.648	2.487	14.9	17.6

213030 1997 GN_{7} 10 7.4 136°.31 4°.0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.28	− 4 41.5	2.014	2.839	14.0	20.3
9 8	1 17.27	− 5 12.6	1.944	2.846	11.0	20.1
9 18	1 10.13	− 5 46.6	1.897	2.853	7.6	19.9
9 28	1 1.43	− 6 18.4	1.875	2.859	4.7	19.8
10 8	0 52.00	− 6 42.5	1.882	2.865	4.4	19.7
10 18	0 42.81	− 6 54.4	1.916	2.871	7.0	19.9
10 28	0 34.76	− 6 51.1	1.978	2.876	10.2	20.1
11 7	0 28.55	− 6 31.9	2.064	2.881	13.2	20.3

344939 2004 TT_{319} 10 7.4 229°.32 3°.1/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 25.07	− 2 26.0	1.801	2.624	15.5	20.6
9 8	1 19.89	− 2 33.8	1.720	2.621	12.2	20.4
9 18	1 12.19	− 2 45.6	1.661	2.618	8.4	20.2
9 28	1 2.55	− 2 57.2	1.626	2.615	4.6	19.9
10 8	0 51.93	− 3 3.7	1.619	2.611	3.4	19.9
10 18	0 41.44	− 3 0.7	1.641	2.607	6.7	20.1
10 28	0 32.21	− 2 45.1	1.689	2.604	10.6	20.3
11 7	0 25.11	− 2 15.5	1.762	2.600	14.2	20.5

366123 2012 DA_{52} 10 7.4 89°.28 0°.6/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.57	+ 6 20.8	2.430	3.234	12.5	21.0
9 8	1 11.67	+ 5 50.0	2.359	3.249	9.8	20.9
9 18	1 6.12	+ 5 9.7	2.311	3.264	6.6	20.7
9 28	0 59.39	+ 4 22.9	2.289	3.280	3.2	20.5
10 8	0 52.14	+ 3 33.9	2.296	3.295	0.7	20.3
10 18	0 45.06	+ 2 47.3	2.333	3.310	4.0	20.6
10 28	0 38.85	+ 2 7.4	2.398	3.324	7.3	20.8
11 7	0 34.05	+ 1 37.8	2.489	3.339	10.1	21.1

223334 2003 QU_{73} 10 7.4 346°.30 2°.3/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.15	+ 3 13.0	2.019	2.849	13.8	20.4
9 8	1 9.49	+ 2 11.6	1.939	2.846	10.7	20.2
9 18	1 4.92	+ 0 58.8	1.881	2.843	7.2	20.0
9 28	0 58.91	− 0 20.0	1.848	2.840	3.6	19.7
10 8	0 52.17	− 1 38.3	1.844	2.837	2.6	19.7
10 18	0 45.53	− 2 48.9	1.867	2.835	5.9	19.9
10 28	0 39.80	− 3 45.7	1.917	2.833	9.5	20.1
11 7	0 35.67	− 4 24.8	1.992	2.832	12.7	20.3

192048 2006 AY_{85} 10 7.4 202°.55 0°.6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.02	+ 7 55.4	2.681	3.464	12.0	20.2
9 8	1 15.13	+ 8 3.3	2.586	3.461	9.6	20.0
9 18	1 8.53	+ 8 2.9	2.514	3.458	6.7	19.8
9 28	1 0.64	+ 7 55.6	2.468	3.455	3.5	19.6
10 8	0 52.07	+ 7 43.5	2.452	3.451	0.6	19.3
10 18	0 43.52	+ 7 29.4	2.467	3.447	3.5	19.6
10 28	0 35.75	+ 7 16.7	2.511	3.443	6.7	19.8
11 7	0 29.34	+ 7 8.5	2.583	3.439	9.6	20.0

60643 2000 FU_{37} 10 7.4 182°.68 2°.8/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.99	− 0 0.7	2.063	2.879	14.0	20.4
9 8	1 17.11	− 0 39.0	1.982	2.880	11.0	20.2
9 18	1 10.08	− 1 24.5	1.924	2.881	7.5	20.0
9 28	1 1.45	− 2 12.7	1.891	2.880	4.0	19.7
10 8	0 52.01	− 2 57.7	1.888	2.879	3.1	19.7
10 18	0 42.71	− 3 34.3	1.913	2.877	6.1	19.9
10 28	0 34.47	− 3 57.7	1.966	2.875	9.7	20.1
11 7	0 28.02	− 4 5.5	2.044	2.872	12.9	20.3

3872 Akirafujii 10 7.4 218°.52 6°.0/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.12	−10 55.9	2.319	3.148	12.3	17.6
9 8	1 14.69	−12 3.9	2.241	3.139	9.9	17.4
9 18	1 8.35	−13 12.1	2.186	3.130	7.5	17.2
9 28	1 0.58	−14 14.1	2.158	3.121	6.1	17.1
10 8	0 52.07	−15 3.3	2.157	3.111	6.6	17.1
10 18	0 43.64	−15 34.8	2.184	3.100	8.6	17.2
10 28	0 36.13	−15 45.5	2.237	3.089	11.2	17.4
11 7	0 30.19	−15 35.0	2.313	3.077	13.6	17.5

68823 2002 GZ_{80} 10 7.4 54°.47 2°.6/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.87	+ 1 56.6	1.626	2.461	16.3	19.6
9 8	1 14.35	+ 1 15.4	1.559	2.468	12.7	19.4
9 18	1 8.41	+ 0 23.7	1.513	2.475	8.6	19.2
9 28	1 0.66	− 0 32.7	1.491	2.483	4.4	18.9
10 8	0 52.07	− 1 26.9	1.496	2.490	2.9	18.9
10 18	0 43.71	− 2 11.9	1.528	2.498	6.6	19.1
10 28	0 36.65	− 2 41.8	1.585	2.506	10.7	19.4
11 7	0 31.67	− 2 53.6	1.665	2.514	14.4	19.6

271019 2003 AY_{16} 10 7.4 166°.80 21°.0/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 35.18	−38 2.5	1.187	1.990	23.0	20.3
9 8	1 29.53	−40 14.9	1.164	1.992	21.7	20.2
9 18	1 19.45	−41 55.4	1.156	1.993	21.1	20.1
9 28	1 6.17	−42 47.0	1.164	1.995	21.2	20.2
10 8	0 51.72	−42 39.9	1.188	1.996	22.0	20.2
10 18	0 38.35	−41 32.8	1.227	1.996	23.4	20.4
10 28	0 27.92	−39 32.7	1.281	1.997	24.9	20.5
11 7	0 21.37	−36 52.0	1.347	1.997	26.4	20.6

511379 2014 FR_{73} 10 7.4 260°.86 2°.2/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.89	+ 4 39.6	1.912	2.736	14.7	21.2
9 8	1 11.88	+ 3 28.2	1.819	2.723	11.5	21.0
9 18	1 6.71	+ 2 1.8	1.749	2.709	7.8	20.7
9 28	0 59.87	+ 0 25.8	1.704	2.696	3.9	20.5
10 8	0 52.12	− 1 12.1	1.688	2.682	2.6	20.4
10 18	0 44.36	− 2 43.2	1.699	2.668	6.3	20.6
10 28	0 37.58	− 3 59.7	1.738	2.654	10.3	20.8
11 7	0 32.55	− 4 56.1	1.801	2.639	13.9	21.0

51381 2001 BG_{51} 10 7.4 157°.81 8°.5/27.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.94	−13 41.4	1.932	2.769	14.0	18.7
9 8	1 15.63	−15 55.8	1.880	2.778	11.5	18.6
9 18	1 9.11	−18 8.7	1.851	2.786	9.3	18.5
9 28	1 0.96	−20 9.3	1.850	2.792	8.6	18.5
10 8	0 52.06	−21 47.7	1.875	2.799	9.5	18.5
10 18	0 43.38	−22 57.2	1.926	2.804	11.7	18.7
10 28	0 35.88	−23 34.9	2.001	2.808	14.0	18.8
11 7	0 30.28	−23 42.1	2.095	2.812	16.2	19.0

195312 2002 EW_{109} 10 7.4 359°.51 1°.4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.08	+ 0 30.2	4.230	5.041	7.5	20.0
9 8	1 5.21	− 0 3.6	4.144	5.041	5.8	19.9
9 18	1 1.44	− 0 40.9	4.084	5.041	3.9	19.7
9 28	0 57.04	− 1 19.6	4.052	5.041	2.0	19.6
10 8	0 52.32	− 1 57.2	4.049	5.041	1.5	19.6
10 18	0 47.63	− 2 31.1	4.077	5.041	3.2	19.7
10 28	0 43.36	− 2 59.1	4.134	5.041	5.1	19.8
11 7	0 39.81	− 3 19.6	4.219	5.041	6.9	20.0

252148 2001 BQ_{1} 10 7.4 333°.80 0°.8/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.10	+ 9 44.1	1.134	1.983	21.0	20.3
9 8	1 11.97	+ 9 36.0	1.056	1.969	17.0	20.0
9 18	1 7.64	+ 9 5.6	0.995	1.957	12.0	19.7
9 28	1 0.62	+ 8 15.3	0.954	1.945	6.3	19.3
10 8	0 52.07	+ 7 11.3	0.935	1.934	0.8	18.9
10 18	0 43.49	+ 6 3.5	0.939	1.924	6.4	19.3
10 28	0 36.48	+ 5 3.4	0.966	1.916	12.4	19.6
11 7	0 32.27	+ 4 20.4	1.013	1.908	17.6	19.9

415547 2014 QL_{175} 10 7.4 347°.37 3°.3/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.45	+14 46.2	2.187	2.954	14.8	20.9
9 8	1 16.02	+15 24.9	2.095	2.952	12.2	20.7
9 18	1 9.44	+15 51.1	2.024	2.950	9.2	20.5
9 28	1 1.20	+16 3.9	1.977	2.948	5.9	20.3
10 8	0 52.05	+16 4.0	1.958	2.946	3.5	20.1
10 18	0 42.89	+15 53.8	1.967	2.945	4.5	20.2
10 28	0 34.67	+15 37.5	2.004	2.944	7.6	20.4
11 7	0 28.19	+15 20.2	2.068	2.943	10.8	20.6

125376 2001 VL_{77} 10 7.4 268°.80 7°.7/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 24.41	−12 24.5	1.635	2.473	16.1	19.7
9 8	1 19.60	−13 11.7	1.566	2.469	13.0	19.5
9 18	1 12.09	−13 56.3	1.518	2.465	10.0	19.3
9 28	1 2.53	−14 29.9	1.494	2.461	7.9	19.2
10 8	0 51.97	−14 44.7	1.496	2.457	8.2	19.2
10 18	0 41.65	−14 35.7	1.523	2.452	10.7	19.3
10 28	0 32.78	−14 1.1	1.575	2.448	13.9	19.5
11 7	0 26.24	−13 3.0	1.648	2.444	16.9	19.7

284556 2007 SD_{11} 10 7.4 348°.30 0°.3/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.27	+ 8 5.9	1.536	2.366	17.4	20.5
9 8	1 11.87	+ 7 36.5	1.458	2.362	13.8	20.3
9 18	1 6.94	+ 6 50.1	1.399	2.358	9.5	20.0
9 28	1 0.05	+ 5 50.4	1.363	2.354	4.7	19.7
10 8	0 52.13	+ 4 43.9	1.353	2.352	0.6	19.4
10 18	0 44.30	+ 3 38.6	1.368	2.349	5.6	19.8
10 28	0 37.73	+ 2 42.8	1.410	2.348	10.3	20.1
11 7	0 33.28	+ 2 2.8	1.474	2.347	14.5	20.3

443334 2014 GY_3 10 7.4 178°.84 0°.7/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 18.59	+ 9 54.8	2.003	2.800	15.0	22.0
9 8	1 14.60	+ 9 41.7	1.918	2.801	12.0	21.8
9 18	1 8.47	+ 9 15.0	1.854	2.801	8.4	21.6
9 28	1 0.70	+ 8 36.5	1.815	2.802	4.4	21.3
10 8	0 52.09	+ 7 50.4	1.803	2.802	0.7	21.0
10 18	0 43.57	+ 7 1.8	1.820	2.801	4.3	21.3
10 28	0 36.09	+ 6 16.9	1.864	2.801	8.3	21.6
11 7	0 30.39	+ 5 40.8	1.934	2.800	11.9	21.8

119305 2001 SH_{42} 10 7.4 32°.47 2°.0/ 6.0 18

8 29	1 17.76	+ 3 46.5	1.160	2.015	20.3	19.3
9 8	1 15.03	+ 3 20.1	1.110	2.029	15.8	19.0
9 18	1 9.22	+ 2 39.4	1.078	2.044	10.7	18.8
9 28	1 1.13	+ 1 50.6	1.067	2.060	5.2	18.5
10 8	0 52.07	+ 1 2.2	1.080	2.077	2.3	18.4
10 18	0 43.46	+ 0 22.5	1.117	2.095	7.1	18.8
10 28	0 36.65	− 0 1.4	1.177	2.113	12.1	19.1
11 7	0 32.49	− 0 6.0	1.259	2.133	16.4	19.4

157609 2005 WQ_{43} 10 7.4 337°.72 0°.3/ 7.1 18

8 29	1 15.41	+ 6 54.5	1.956	2.771	14.7	20.2
9 8	1 12.17	+ 6 36.1	1.871	2.767	11.6	20.0
9 18	1 6.85	+ 6 5.6	1.807	2.763	8.0	19.8
9 28	0 59.91	+ 5 25.9	1.768	2.759	3.9	19.5
10 8	0 52.15	+ 4 41.6	1.756	2.755	0.5	19.2
10 18	0 44.45	+ 3 58.1	1.772	2.751	4.7	19.5
10 28	0 37.74	+ 3 21.2	1.814	2.748	8.7	19.8
11 7	0 32.76	+ 2 55.4	1.882	2.746	12.3	20.0

451307 2010 TN_{173} 10 7.4 24°.47 4°.5/11.5 17

8 29	1 17.38	+18 42.1	1.854	2.622	17.1	21.1
9 8	1 13.96	+19 7.8	1.773	2.626	14.3	20.9
9 18	1 8.20	+19 14.7	1.711	2.631	10.9	20.8
9 28	1 0.62	+19 1.8	1.671	2.636	7.4	20.6
10 8	0 52.11	+18 30.7	1.657	2.641	4.8	20.4
10 18	0 43.68	+17 45.5	1.669	2.646	5.3	20.5
10 28	0 36.40	+16 52.9	1.709	2.652	8.4	20.7
11 7	0 31.08	+16 0.3	1.773	2.659	11.8	20.9

109488 2001 QF_{225} 10 7.4 325°.03 1°.2/ 8.2 18

8 29	1 15.83	+ 9 40.7	1.316	2.149	19.5	19.3
9 8	1 13.77	+ 9 46.2	1.230	2.134	15.8	19.1
9 18	1 8.70	+ 9 33.7	1.162	2.119	11.3	18.8
9 28	1 1.13	+ 9 4.3	1.115	2.104	6.0	18.4
10 8	0 52.08	+ 8 22.5	1.092	2.091	1.2	18.1
10 18	0 42.93	+ 7 35.3	1.093	2.078	5.8	18.3
10 28	0 35.18	+ 6 51.8	1.119	2.066	11.3	18.6
11 7	0 30.00	+ 6 20.0	1.165	2.055	16.2	18.9

75077 1999 VP_{22} 10 7.4 336°.75 3°.2/ 9.2 18

8 29	1 11.52	+11 4.9	1.020	1.876	22.4	18.0
9 8	1 11.23	+11 44.4	0.939	1.854	18.4	17.7
9 18	1 7.50	+12 4.3	0.874	1.833	13.5	17.3
9 28	1 0.74	+12 3.4	0.827	1.814	8.0	16.9
10 8	0 52.09	+11 43.9	0.800	1.797	3.3	16.6
10 18	0 43.19	+11 11.5	0.795	1.782	6.7	16.8
10 28	0 35.92	+10 36.4	0.811	1.768	12.7	17.0
11 7	0 31.74	+10 8.9	0.845	1.757	18.4	17.3

312640 2010 BJ_{43} 10 7.4 335°.70 2°.9/12.9 18

8 29	1 9.66	+21 46.5	4.157	4.869	9.1	20.3
9 8	1 6.57	+21 48.7	4.054	4.867	7.7	20.2
9 18	1 2.46	+21 40.4	3.973	4.865	6.0	20.1
9 28	0 57.58	+21 21.7	3.918	4.864	4.3	20.0
10 8	0 52.33	+20 53.7	3.890	4.862	3.1	19.9
10 18	0 47.09	+20 18.1	3.891	4.860	3.1	19.9
10 28	0 42.29	+19 37.7	3.923	4.858	4.4	20.0
11 7	0 38.30	+18 55.5	3.982	4.857	6.1	20.1

92164 1999 XK_{153} 10 7.4 304°.49 4°.2/ 3.3 18

8 29	1 17.70	− 5 34.1	2.165	2.996	12.9	19.2
9 8	1 13.69	− 6 9.9	2.085	2.990	10.2	19.0
9 18	1 7.73	− 6 48.5	2.028	2.985	7.2	18.8
9 28	1 0.31	− 7 24.7	1.997	2.979	4.7	18.7
10 8	0 52.15	− 7 53.0	1.993	2.973	4.6	18.7
10 18	0 44.10	− 8 9.0	2.018	2.968	7.0	18.8
10 28	0 36.99	− 8 9.5	2.069	2.963	10.1	19.0
11 7	0 31.50	− 7 53.4	2.144	2.957	12.9	19.2

320157 2007 FC_{30} 10 7.4 127°.94 0°.1/ 7.6 18

8 29	1 16.43	+ 7 59.0	2.414	3.211	12.8	21.4
9 8	1 12.48	+ 7 43.5	2.331	3.215	10.1	21.2
9 18	1 6.78	+ 7 17.8	2.270	3.219	7.0	21.0
9 28	0 59.80	+ 6 44.0	2.235	3.223	3.5	20.8
10 8	0 52.19	+ 6 5.6	2.228	3.227	0.2	20.5
10 18	0 44.68	+ 5 26.9	2.251	3.231	3.8	20.9
10 28	0 38.01	+ 4 52.4	2.302	3.235	7.2	21.1
11 7	0 32.78	+ 4 25.9	2.380	3.238	10.2	21.3

174237 2002 RQ_{122} 10 7.4 359°.23 7°.3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.81	− 9 36.5	1.475	2.331	16.6	19.3
9 8	1 14.64	−10 30.5	1.413	2.329	13.3	19.1
9 18	1 8.79	−11 24.7	1.371	2.328	9.9	18.9
9 28	1 0.94	−12 10.3	1.352	2.327	7.5	18.7
10 8	0 52.12	−12 38.9	1.358	2.327	7.8	18.8
10 18	0 43.56	−12 44.3	1.388	2.328	10.6	18.9
10 28	0 36.43	−12 24.0	1.442	2.330	14.0	19.1
11 7	0 31.57	−11 39.0	1.516	2.332	17.2	19.3

351202 2004 FL_{116} 10 7.4 201°.79 3°.3/ 3.6 18

8 29	1 18.31	− 3 14.0	2.554	3.372	11.6	22.1
9 8	1 13.85	− 3 58.1	2.469	3.368	9.0	21.9
9 18	1 7.68	− 4 46.5	2.408	3.363	6.3	21.7
9 28	1 0.25	− 5 34.7	2.373	3.358	3.8	21.6
10 8	0 52.18	− 6 17.8	2.369	3.352	3.6	21.5
10 18	0 44.18	− 6 51.6	2.393	3.345	5.9	21.7
10 28	0 36.98	− 7 12.3	2.446	3.338	8.7	21.9
11 7	0 31.17	− 7 18.2	2.523	3.331	11.4	22.0

282244 2002 EZ_{160} 10 7.4 161°.60 6°.1/30.9 18

8 29	1 17.61	− 7 42.7	1.936	2.776	13.9	20.4
9 8	1 13.80	− 9 8.8	1.871	2.779	11.0	20.3
9 18	1 7.88	−10 37.8	1.829	2.782	8.1	20.1
9 28	1 0.40	−12 1.8	1.813	2.785	6.2	20.0
10 8	0 52.18	−13 12.5	1.824	2.787	6.7	20.0
10 18	0 44.14	−14 3.5	1.862	2.789	9.2	20.2
10 28	0 37.19	−14 30.8	1.925	2.791	12.0	20.4
11 7	0 32.04	−14 33.8	2.009	2.792	14.7	20.6

307110 2002 CJ_{58} 10 7.4 232°.92 0°.5/ 6.9 18

8 29	1 18.66	+ 6 46.3	1.859	2.671	15.5	20.9
9 8	1 14.89	+ 6 20.9	1.771	2.665	12.3	20.7
9 18	1 8.82	+ 5 42.3	1.704	2.659	8.4	20.5
9 28	1 0.95	+ 4 53.6	1.662	2.653	4.1	20.2
10 8	0 52.14	+ 4 0.2	1.648	2.646	0.7	19.9
10 18	0 43.37	+ 3 8.1	1.661	2.640	5.1	20.2
10 28	0 35.68	+ 2 24.0	1.702	2.633	9.4	20.5
11 7	0 29.90	+ 1 52.8	1.766	2.625	13.2	20.7

331575 2001 QV_{228} 10 7.4 7°.87 5°.3/11.8 18

8 29	1 15.33	+19 40.3	1.366	2.160	21.0	20.1
9 8	1 13.21	+19 57.8	1.291	2.160	17.6	19.8
9 18	1 8.16	+19 49.0	1.233	2.161	13.5	19.6
9 28	1 0.78	+19 12.3	1.194	2.163	9.1	19.4
10 8	0 52.15	+18 10.3	1.178	2.165	5.7	19.2
10 18	0 43.64	+16 50.0	1.187	2.168	6.3	19.2
10 28	0 36.63	+15 22.4	1.221	2.172	10.2	19.5
11 7	0 32.14	+13 59.2	1.278	2.176	14.4	19.7

187550 2006 UW_{248} 10 7.4 209°.24 1°.0/ 8.3 17

8 29	1 19.37	+11 59.5	1.902	2.693	15.9	21.4
9 8	1 15.45	+11 29.5	1.810	2.688	12.8	21.2
9 18	1 9.21	+10 41.8	1.737	2.682	9.1	21.0
9 28	1 1.16	+ 9 38.5	1.690	2.676	4.9	20.7
10 8	0 52.14	+ 8 24.5	1.670	2.668	1.0	20.4
10 18	0 43.14	+ 7 6.6	1.678	2.660	4.6	20.6
10 28	0 35.23	+ 5 52.8	1.715	2.652	8.9	20.9
11 7	0 29.23	+ 4 50.2	1.777	2.643	12.8	21.1

518856 2010 DR_{54} 10 7.4 289°.25 1°.8/ 5.9 18

8 29	1 17.80	+ 3 53.5	1.682	2.511	16.1	21.8
9 8	1 14.41	+ 3 19.1	1.602	2.507	12.7	21.6
9 18	1 8.58	+ 2 32.5	1.542	2.502	8.6	21.3
9 28	1 0.86	+ 1 38.2	1.507	2.498	4.2	21.1
10 8	0 52.16	+ 0 42.6	1.498	2.494	2.1	20.9
10 18	0 43.55	− 0 7.1	1.516	2.490	6.1	21.2
10 28	0 36.14	− 0 44.4	1.560	2.486	10.5	21.4
11 7	0 30.77	− 1 5.1	1.628	2.482	14.3	21.6

269230 2008 PP_{19} 10 7.4 120°.58 1°.2/ 6.3 16

8 29	1 19.79	+ 5 39.2	1.834	2.648	15.6	21.7
9 8	1 15.58	+ 5 0.2	1.764	2.660	12.2	21.5
9 18	1 9.12	+ 4 8.8	1.715	2.672	8.3	21.3
9 28	1 1.02	+ 3 9.4	1.692	2.683	4.0	21.0
10 8	0 52.16	+ 2 8.0	1.696	2.694	1.4	20.9
10 18	0 43.53	+ 1 11.3	1.729	2.705	5.4	21.2
10 28	0 36.11	+ 0 25.4	1.789	2.715	9.4	21.5
11 7	0 30.62	− 0 5.4	1.874	2.725	12.9	21.7

470974 2009 RS_{65} 10 7.4 69°.53 0°.2/ 7.6 16

8 29	1 22.41	+ 7 52.4	1.423	2.244	18.9	21.9
9 8	1 18.22	+ 7 45.7	1.363	2.261	15.0	21.7
9 18	1 11.21	+ 7 23.6	1.323	2.278	10.3	21.5
9 28	1 2.12	+ 6 49.2	1.305	2.294	5.2	21.2
10 8	0 52.09	+ 6 8.2	1.312	2.311	0.3	20.9
10 18	0 42.45	+ 5 27.4	1.346	2.328	5.5	21.3
10 28	0 34.42	+ 4 53.8	1.406	2.345	10.3	21.6
11 7	0 28.86	+ 4 32.9	1.489	2.362	14.4	21.9

299769 2006 SH_{30} 10 7.4 327.°12 1.°3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 15.37	+12 27.3	1.880	2.679	15.8	21.0
9 8	1 12.29	+12 4.2	1.795	2.677	12.8	20.8
9 18	1 7.01	+11 23.7	1.729	2.675	9.1	20.5
9 28	1 0.05	+10 27.9	1.688	2.673	5.0	20.3
10 8	0 52.22	+ 9 21.5	1.673	2.671	1.3	20.0
10 18	0 44.47	+ 8 10.8	1.687	2.670	4.4	20.3
10 28	0 37.77	+ 7 3.5	1.727	2.668	8.5	20.5
11 7	0 32.89	+ 6 6.2	1.793	2.667	12.3	20.7

44875 1999 UO_{45} 10 7.4 131.°08 4.°0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.15	+17 41.5	1.649	2.424	18.6	19.1
9 8	1 17.20	+17 51.8	1.571	2.431	15.4	18.9
9 18	1 10.57	+17 40.7	1.510	2.437	11.6	18.6
9 28	1 1.87	+17 7.9	1.473	2.444	7.5	18.4
10 8	0 52.11	+16 16.0	1.460	2.450	4.2	18.2
10 18	0 42.50	+15 10.8	1.475	2.455	5.3	18.3
10 28	0 34.26	+14 1.1	1.516	2.461	9.2	18.6
11 7	0 28.30	+12 55.6	1.582	2.466	13.1	18.8

147505 2004 CW_{106} 10 7.4 207.°98 2.°2/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.55	+14 48.1	1.771	2.557	17.1	19.9
9 8	1 15.01	+14 28.6	1.682	2.554	13.9	19.7
9 18	1 9.01	+13 48.9	1.612	2.551	10.1	19.4
9 28	1 1.10	+12 50.1	1.566	2.547	5.9	19.2
10 8	0 52.16	+11 36.6	1.547	2.543	2.3	18.9
10 18	0 43.28	+10 15.4	1.555	2.538	4.7	19.1
10 28	0 35.57	+ 8 55.1	1.591	2.533	9.0	19.3
11 7	0 29.90	+ 7 44.2	1.651	2.527	13.0	19.6

70487 1999 TZ_{52} 10 7.4 156.°61 2.°2/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.72	+ 4 3.0	1.606	2.434	16.8	19.6
9 8	1 15.94	+ 3 9.7	1.533	2.438	13.2	19.3
9 18	1 9.61	+ 2 2.6	1.481	2.442	8.9	19.1
9 28	1 1.36	+ 0 47.5	1.453	2.445	4.4	18.8
10 8	0 52.15	− 0 27.7	1.452	2.448	2.6	18.7
10 18	0 43.14	− 1 34.6	1.479	2.451	6.6	19.0
10 28	0 35.46	− 2 25.9	1.531	2.453	11.0	19.3
11 7	0 29.94	− 2 57.1	1.607	2.455	14.8	19.5

221421 2005 YS_{173} 10 7.4 295.°15 7.°6/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.71	+29 42.7	2.322	3.004	16.2	19.9
9 8	1 14.12	+30 30.1	2.221	2.996	14.3	19.7
9 18	1 8.33	+30 57.8	2.137	2.989	12.1	19.6
9 28	1 0.77	+31 2.4	2.075	2.981	9.9	19.4
10 8	0 52.19	+30 42.6	2.036	2.973	8.1	19.3
10 18	0 43.52	+29 59.8	2.024	2.965	7.6	19.2
10 28	0 35.76	+28 58.8	2.038	2.958	8.8	19.3
11 7	0 29.77	+27 47.0	2.077	2.950	10.9	19.4

107262 2001 BR_{64} 10 7.4 182.°59 3.°8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.86	+17 39.8	1.635	2.414	18.6	20.0
9 8	1 16.29	+17 43.5	1.551	2.414	15.4	19.8
9 18	1 10.03	+17 25.3	1.485	2.414	11.6	19.6
9 28	1 1.65	+16 44.5	1.442	2.414	7.4	19.3
10 8	0 52.15	+15 44.2	1.423	2.414	4.1	19.2
10 18	0 42.72	+14 30.5	1.432	2.413	5.3	19.2
10 28	0 34.61	+13 12.7	1.467	2.412	9.3	19.5
11 7	0 28.77	+12 0.1	1.527	2.411	13.4	19.7

50165 2000 AT_{147} 10 7.4 145.°15 3.°2/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.27	+17 50.5	1.887	2.652	17.0	19.4
9 8	1 16.11	+17 38.3	1.805	2.661	14.0	19.2
9 18	1 9.61	+17 5.6	1.743	2.669	10.4	19.0
9 28	1 1.34	+16 12.9	1.705	2.677	6.5	18.8
10 8	0 52.20	+15 3.7	1.693	2.684	3.4	18.6
10 18	0 43.23	+13 44.4	1.710	2.691	4.6	18.7
10 28	0 35.46	+12 23.1	1.755	2.697	8.3	19.0
11 7	0 29.67	+11 8.0	1.826	2.703	11.9	19.2

153683 2001 TL_{225} 10 7.4 209.°45 0.°9/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.47	+ 5 37.6	1.917	2.727	15.2	20.5
9 8	1 16.23	+ 5 13.2	1.830	2.723	12.0	20.3
9 18	1 9.71	+ 4 37.0	1.763	2.718	8.2	20.1
9 28	1 1.42	+ 3 52.2	1.722	2.713	4.0	19.8
10 8	0 52.20	+ 3 4.0	1.709	2.707	1.1	19.6
10 18	0 43.03	+ 2 18.3	1.724	2.701	5.2	19.9
10 28	0 34.94	+ 1 40.9	1.767	2.695	9.3	20.1
11 7	0 28.73	+ 1 16.3	1.834	2.688	13.0	20.3

219958 2002 JG_{16} 10 7.4 144.°48 1.°8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.70	− 3 15.6	4.493	5.305	7.1	20.2
9 8	1 7.17	− 3 35.1	4.411	5.307	5.5	20.1
9 18	1 2.77	− 3 56.1	4.354	5.309	3.7	20.0
9 28	0 57.75	− 4 16.7	4.326	5.311	2.2	19.9
10 8	0 52.43	− 4 34.8	4.328	5.313	2.0	19.8
10 18	0 47.16	− 4 48.4	4.360	5.315	3.4	20.0
10 28	0 42.30	− 4 55.9	4.421	5.317	5.1	20.1
11 7	0 38.15	− 4 56.2	4.510	5.319	6.7	20.2

476999 2008 YL_{124} 10 7.4 27.°71 7.°8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 19.73	+27 20.2	1.894	2.608	18.5	21.4
9 8	1 16.10	+28 9.6	1.806	2.608	16.1	21.2
9 18	1 9.89	+28 36.5	1.735	2.609	13.4	21.1
9 28	1 1.61	+28 37.2	1.685	2.609	10.6	20.9
10 8	0 52.19	+28 10.5	1.658	2.610	8.4	20.8
10 18	0 42.75	+27 18.8	1.656	2.610	7.9	20.7
10 28	0 34.52	+26 8.9	1.681	2.611	9.6	20.8
11 7	0 28.43	+24 50.2	1.730	2.612	12.2	21.0

507306 2011 OH_{17} 10 7.4 158.°35 7.°4/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.10	+27 43.9	2.084	2.783	17.4	20.8
9 8	1 16.91	+28 28.6	1.994	2.786	15.2	20.7
9 18	1 10.29	+28 52.0	1.922	2.789	12.6	20.5
9 28	1 1.76	+28 50.9	1.871	2.792	9.9	20.3
10 8	0 52.18	+28 24.3	1.845	2.794	7.9	20.2
10 18	0 42.61	+27 34.7	1.845	2.796	7.5	20.2
10 28	0 34.16	+26 28.0	1.871	2.798	9.0	20.3
11 7	0 27.72	+25 12.8	1.923	2.799	11.5	20.5

238568 2004 XF_{80} 10 7.4 189.°37 7.°9/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.46	−13 29.5	1.892	2.733	14.1	20.1
9 8	1 14.59	−14 56.0	1.831	2.733	11.5	19.9
9 18	1 8.50	−16 20.6	1.792	2.733	9.1	19.8
9 28	1 0.76	−17 34.5	1.778	2.732	8.0	19.7
10 8	0 52.25	−18 29.4	1.790	2.731	8.7	19.7
10 18	0 43.93	−18 59.7	1.827	2.730	10.8	19.9
10 28	0 36.77	−19 2.9	1.888	2.729	13.4	20.0
11 7	0 31.49	−18 40.0	1.970	2.728	15.8	20.2

1928 Summa 10 7.4 21.°50 1.°0/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.53	+ 7 51.6	1.143	1.998	20.5	15.5
9 8	1 11.10	+ 7 7.3	1.088	2.007	16.1	15.2
9 18	1 6.68	+ 6 2.2	1.051	2.017	11.0	15.0
9 28	1 0.00	+ 4 42.2	1.035	2.028	5.3	14.7
10 8	0 52.30	+ 3 17.6	1.043	2.041	1.3	14.5
10 18	0 44.93	+ 1 59.4	1.074	2.055	6.7	14.9
10 28	0 39.22	+ 0 57.9	1.129	2.070	11.9	15.2
11 7	0 36.04	+ 0 19.1	1.204	2.086	16.4	15.6

380254 2001 WB_{87} 10 7.4 293.°58 2.°4/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.53	+12 52.3	1.602	2.404	18.0	20.8
9 8	1 15.43	+13 2.1	1.508	2.390	14.7	20.5
9 18	1 9.61	+12 54.2	1.433	2.376	10.7	20.2
9 28	1 1.55	+12 28.7	1.380	2.362	6.3	20.0
10 8	0 52.19	+11 48.5	1.353	2.349	2.5	19.7
10 18	0 42.73	+10 58.9	1.352	2.335	5.2	19.8
10 28	0 34.46	+10 7.9	1.376	2.321	9.8	20.1
11 7	0 28.43	+ 9 23.5	1.425	2.308	14.2	20.3

164853 1999 TQ_{198} 10 7.4 282.°36 1.°1/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.29	+ 3 26.4	1.855	2.672	15.3	19.9
9 8	1 17.15	+ 3 22.1	1.756	2.653	12.2	19.7
9 18	1 10.54	+ 3 8.8	1.677	2.634	8.4	19.4
9 28	1 1.94	+ 2 49.3	1.623	2.614	4.1	19.1
10 8	0 52.18	+ 2 27.8	1.597	2.595	1.3	18.9
10 18	0 42.30	+ 2 9.2	1.598	2.575	5.5	19.1
10 28	0 33.44	+ 1 58.5	1.627	2.556	9.9	19.3
11 7	0 26.56	+ 1 59.4	1.680	2.536	13.9	19.5

399540 2003 PT_{6} 10 7.4 17.°80 5.°8/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.75	− 2 3.6	1.477	2.343	16.1	19.4
9 8	1 7.40	− 4 2.5	1.427	2.354	12.4	19.2
9 18	1 3.76	− 6 10.7	1.399	2.366	8.6	19.0
9 28	0 58.45	− 8 17.1	1.396	2.380	6.0	18.9
10 8	0 52.40	−10 9.7	1.419	2.395	6.6	19.0
10 18	0 46.61	−11 38.9	1.467	2.411	9.7	19.2
10 28	0 42.05	−12 38.5	1.538	2.428	13.1	19.4
11 7	0 39.40	−13 7.4	1.630	2.446	16.2	19.7

362890 2012 BC_{125} 10 7.4 121.°00 0.°7/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.30	+10 50.2	2.424	3.212	13.0	21.4
9 8	1 11.61	+10 24.5	2.342	3.219	10.3	21.2
9 18	1 6.22	+ 9 46.3	2.282	3.226	7.2	21.1
9 28	0 59.58	+ 8 57.7	2.247	3.233	3.8	20.9
10 8	0 52.34	+ 8 2.6	2.241	3.240	0.7	20.6
10 18	0 45.21	+ 7 5.8	2.265	3.246	3.6	20.9
10 28	0 38.92	+ 6 12.5	2.317	3.253	7.0	21.1
11 7	0 34.04	+ 5 27.2	2.396	3.259	10.0	21.3

432893 2011 ML_{10} 10 7.4 82.°74 3.°0/ 4.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.02	+ 2 32.8	1.726	2.555	15.8	20.9
9 8	1 14.19	+ 1 16.6	1.671	2.578	12.2	20.7
9 18	1 8.15	− 0 10.5	1.638	2.600	8.1	20.5
9 28	1 0.54	− 1 41.5	1.631	2.621	4.2	20.3
10 8	0 52.30	− 3 8.0	1.651	2.643	3.4	20.3
10 18	0 44.39	− 4 21.9	1.699	2.664	6.7	20.6
10 28	0 37.76	− 5 17.3	1.774	2.685	10.5	20.9
11 7	0 33.07	− 5 51.3	1.872	2.705	13.7	21.1

29700 Salmon 10 7.4 296°.01 6°.2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.55	+21 33.2	1.586	2.353	19.6	19.7
9 8	1 14.89	+22 5.6	1.490	2.338	16.7	19.5
9 18	1 9.40	+22 15.0	1.410	2.323	13.3	19.2
9 28	1 1.52	+21 57.9	1.351	2.309	9.6	19.0
10 8	0 52.22	+21 14.5	1.315	2.294	6.6	18.8
10 18	0 42.74	+20 8.5	1.305	2.280	6.9	18.8
10 28	0 34.50	+18 48.5	1.320	2.265	10.1	18.9
11 7	0 28.62	+17 25.9	1.358	2.251	14.1	19.1

86522 2000 DA_{73} 10 7.4 209°.84 0°.8/ 8.1 18

8 29	1 21.16	+ 9 59.1	1.918	2.712	15.7	20.5
9 8	1 16.86	+ 9 47.6	1.826	2.707	12.6	20.3
9 18	1 10.20	+ 9 21.7	1.755	2.702	8.9	20.1
9 28	1 1.71	+ 8 43.2	1.709	2.696	4.7	19.8
10 8	0 52.22	+ 7 56.0	1.690	2.689	0.8	19.5
10 18	0 42.75	+ 7 5.6	1.700	2.682	4.6	19.8
10 28	0 34.37	+ 6 18.6	1.738	2.674	8.9	20.0
11 7	0 27.91	+ 5 40.8	1.801	2.666	12.7	20.3

441754 2009 CG_4 10 7.4 8°.43 4°.1/10.7 16

8 29	1 15.43	+16 17.6	1.368	2.176	20.2	20.6
9 8	1 13.23	+16 39.0	1.295	2.177	16.7	20.3
9 18	1 8.16	+16 37.8	1.240	2.178	12.5	20.1
9 28	1 0.82	+16 13.3	1.205	2.181	8.0	19.9
10 8	0 52.27	+15 28.5	1.194	2.185	4.4	19.7
10 18	0 43.86	+14 29.7	1.207	2.190	5.7	19.8
10 28	0 36.92	+13 26.4	1.245	2.196	10.0	20.0
11 7	0 32.44	+12 28.5	1.305	2.202	14.3	20.3

212074 2005 EG_{65} 10 7.4 260°.69 2°.8/ 4.6 18

8 29	1 15.38	+ 2 26.1	1.868	2.699	14.7	20.4
9 8	1 12.27	+ 1 22.2	1.786	2.693	11.5	20.2
9 18	1 7.00	+ 0 6.5	1.726	2.688	7.8	20.0
9 28	1 0.09	− 1 15.5	1.691	2.682	4.0	19.8
10 8	0 52.32	− 2 36.1	1.684	2.677	3.2	19.7
10 18	0 44.63	− 3 47.7	1.705	2.671	6.6	19.9
10 28	0 37.97	− 4 43.5	1.752	2.665	10.4	20.1
11 7	0 33.10	− 5 19.5	1.823	2.659	13.9	20.3

452107 2014 QN_{284} 10 7.4 138°.53 3°.7/ 3.7 18

8 29	1 18.96	− 5 19.5	2.411	3.234	12.0	21.5
9 8	1 14.42	− 5 48.4	2.336	3.237	9.4	21.3
9 18	1 8.11	− 6 19.3	2.285	3.239	6.6	21.1
9 28	1 0.52	− 6 47.9	2.260	3.242	4.2	21.0
10 8	0 52.32	− 7 9.7	2.263	3.244	4.0	21.0
10 18	0 44.26	− 7 21.0	2.295	3.247	6.2	21.1
10 28	0 37.09	− 7 19.2	2.355	3.249	9.0	21.3
11 7	0 31.42	− 7 3.2	2.440	3.251	11.6	21.5

14644 1998 XR_3 10 7.4 320°.30 1°.7/ 8.9 18

8 29	1 16.66	+12 7.4	1.803	2.603	16.4	18.3
9 8	1 13.49	+12 3.6	1.715	2.598	13.2	18.1
9 18	1 7.97	+11 43.4	1.647	2.592	9.5	17.9
9 28	1 0.63	+11 8.1	1.603	2.587	5.3	17.6
10 8	0 52.30	+10 21.4	1.584	2.582	1.8	17.4
10 18	0 44.00	+ 9 28.9	1.593	2.577	4.5	17.6
10 28	0 36.79	+ 8 37.5	1.629	2.572	8.8	17.8
11 7	0 31.51	+ 7 53.9	1.690	2.568	12.7	18.0

487243 2014 PB_{15} 10 7.4 348°.84 3°.7/11.2 17

8 29	1 16.85	+17 37.2	2.138	2.901	15.3	21.7
9 8	1 13.30	+17 57.2	2.047	2.899	12.7	21.5
9 18	1 7.67	+18 1.2	1.977	2.897	9.6	21.3
9 28	1 0.43	+17 48.6	1.929	2.896	6.4	21.1
10 8	0 52.32	+17 21.0	1.909	2.894	3.9	21.0
10 18	0 44.23	+16 41.7	1.915	2.893	4.6	21.0
10 28	0 37.09	+15 56.3	1.950	2.893	7.6	21.2
11 7	0 31.64	+15 11.1	2.010	2.892	10.8	21.4

55892 Fuzhougezhi 10 7.4 316°.19 1°.2/ 6.6 18

8 29	1 18.44	+ 3 26.4	1.610	2.441	16.6	19.3
9 8	1 15.46	+ 3 26.4	1.503	2.409	13.3	19.0
9 18	1 9.76	+ 3 16.4	1.417	2.377	9.3	18.7
9 28	1 1.74	+ 2 59.3	1.354	2.346	4.6	18.3
10 8	0 52.23	+ 2 39.5	1.317	2.315	1.4	18.0
10 18	0 42.41	+ 2 22.6	1.305	2.284	6.2	18.3
10 28	0 33.63	+ 2 14.5	1.320	2.254	11.2	18.5
11 7	0 27.02	+ 2 19.9	1.357	2.225	15.8	18.7

312444 2008 JN_3 10 7.4 69°.41 8°.9/27.8 18

8 29	1 18.97	−20 9.3	2.108	2.937	13.3	20.1
9 8	1 14.57	−21 32.2	2.074	2.958	11.2	20.0
9 18	1 8.21	−22 46.2	2.063	2.979	9.5	20.0
9 28	1 0.52	−23 43.5	2.076	3.000	8.9	20.0
10 8	0 52.32	−24 18.3	2.115	3.021	9.6	20.1
10 18	0 44.50	−24 27.3	2.178	3.042	11.1	20.2
10 28	0 37.84	−24 10.4	2.264	3.062	12.9	20.4
11 7	0 32.94	−23 30.1	2.371	3.083	14.6	20.5

69491 1997 AZ_5 10 7.4 309°.03 4°.8/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.44	+17 51.3	1.400	2.195	20.4	18.7
9 8	1 15.00	+18 12.5	1.313	2.186	17.1	18.4
9 18	1 9.56	+18 10.0	1.243	2.176	13.1	18.1
9 28	1 1.62	+17 42.0	1.194	2.167	8.6	17.9
10 8	0 52.24	+16 50.1	1.168	2.157	5.1	17.6
10 18	0 42.78	+15 40.4	1.167	2.149	6.2	17.7
10 28	0 34.74	+14 23.0	1.191	2.140	10.5	17.9
11 7	0 29.26	+13 9.2	1.237	2.132	15.0	18.1

128565 2004 PY_{92} 10 7.4 45°.83 4°.9/ 3.9 18

8 29	1 20.09	− 3 23.6	1.405	2.255	17.6	18.8
9 8	1 16.42	− 4 10.1	1.349	2.266	13.8	18.6
9 18	1 10.00	− 5 2.3	1.314	2.277	9.5	18.4
9 28	1 1.57	− 5 52.6	1.302	2.288	5.8	18.2
10 8	0 52.26	− 6 32.8	1.315	2.301	5.4	18.2
10 18	0 43.32	− 6 56.1	1.353	2.313	8.7	18.5
10 28	0 35.94	− 6 58.5	1.416	2.326	12.6	18.7
11 7	0 30.94	− 6 39.2	1.500	2.339	16.2	19.0

480257 2015 HP_{61} 10 7.4 35°.67 6°.0/ 3.2 16

8 29	1 18.29	− 4 15.2	1.181	2.047	19.3	20.5
9 8	1 15.18	− 5 20.1	1.147	2.071	14.9	20.3
9 18	1 9.14	− 6 29.5	1.132	2.097	10.4	20.1
9 28	1 1.09	− 7 33.2	1.139	2.124	6.7	20.0
10 8	0 52.31	− 8 21.5	1.169	2.152	6.6	20.1
10 18	0 44.16	− 8 47.6	1.224	2.180	9.8	20.4
10 28	0 37.82	− 8 48.3	1.302	2.210	13.6	20.7
11 7	0 33.99	− 8 24.5	1.399	2.239	17.1	21.0

489941 2008 RO_{91} 10 7.4 19°.05 1°.3/ 9.7 15

8 29	1 12.21	+12 51.8	4.144	4.901	8.5	21.2
9 8	1 8.51	+12 59.8	4.047	4.902	6.9	21.1
9 18	1 3.78	+13 0.6	3.974	4.903	5.0	21.0
9 28	0 58.31	+12 54.8	3.929	4.905	3.0	20.8
10 8	0 52.47	+12 43.8	3.913	4.906	1.4	20.7
10 18	0 46.64	+12 29.2	3.927	4.908	2.3	20.8
10 28	0 41.26	+12 13.3	3.972	4.909	4.3	20.9
11 7	0 36.67	+11 58.2	4.045	4.911	6.2	21.1

276558 2003 SO_{180} 10 7.4 142°.04 1°.3/ 8.9 18

8 29	1 15.26	+15 21.5	1.948	2.732	15.9	20.7
9 8	1 12.09	+14 22.8	1.864	2.736	12.8	20.5
9 18	1 6.82	+13 2.8	1.800	2.740	9.1	20.3
9 28	0 59.98	+11 24.3	1.761	2.744	5.0	20.0
10 8	0 52.37	+ 9 33.6	1.750	2.747	1.4	19.8
10 18	0 44.90	+ 7 39.1	1.768	2.751	4.2	20.0
10 28	0 38.49	+ 5 50.4	1.815	2.754	8.3	20.3
11 7	0 33.84	+ 4 15.3	1.888	2.757	12.0	20.5

302747 2002 UW_{55} 10 7.4 9°.31 4°.2/ 3.6 18

8 29	1 16.31	− 2 14.6	1.740	2.582	15.1	21.0
9 8	1 13.08	− 3 11.3	1.669	2.582	11.8	20.8
9 18	1 7.58	− 4 15.1	1.621	2.583	8.1	20.6
9 28	1 0.38	− 5 19.5	1.597	2.584	4.9	20.4
10 8	0 52.35	− 6 16.8	1.600	2.585	4.7	20.4
10 18	0 44.47	− 7 0.2	1.629	2.586	7.7	20.6
10 28	0 37.77	− 7 24.8	1.684	2.588	11.3	20.8
11 7	0 32.97	− 7 28.5	1.761	2.590	14.6	21.0

104207 2000 ED_{113} 10 7.4 51°.93 4°.9/ 3.1 18

8 29	1 18.20	− 2 41.9	1.538	2.385	16.5	18.9
9 8	1 14.45	− 4 0.8	1.500	2.415	12.7	18.7
9 18	1 8.35	− 5 25.2	1.483	2.445	8.7	18.6
9 28	1 0.63	− 6 46.3	1.491	2.476	5.5	18.5
10 8	0 52.34	− 7 55.3	1.525	2.507	5.5	18.6
10 18	0 44.54	− 8 45.4	1.585	2.537	8.4	18.8
10 28	0 38.19	− 9 12.7	1.670	2.568	11.8	19.1
11 7	0 33.91	− 9 16.8	1.777	2.599	14.8	19.3

329101 2011 BB_{122} 10 7.4 186°.46 0°.9/ 6.4 18

8 29	1 14.80	+ 5 0.2	2.516	3.323	12.0	21.7
9 8	1 11.18	+ 4 29.9	2.431	3.323	9.4	21.6
9 18	1 5.93	+ 3 50.8	2.368	3.323	6.4	21.4
9 28	0 59.47	+ 3 5.9	2.332	3.323	3.1	21.2
10 8	0 52.41	+ 2 19.3	2.325	3.322	1.1	21.0
10 18	0 45.42	+ 1 35.3	2.347	3.322	4.2	21.2
10 28	0 39.20	+ 0 58.5	2.397	3.322	7.4	21.4
11 7	0 34.31	+ 0 32.1	2.474	3.321	10.3	21.6

508996 2005 EP_{284} 10 7.4 241°.21 0°.5/ 7.9 17

8 29	1 19.83	+10 6.5	1.650	2.458	17.3	22.7
9 8	1 16.28	+ 9 44.0	1.559	2.448	13.9	22.4
9 18	1 10.09	+ 9 3.7	1.486	2.437	9.8	22.1
9 28	1 1.78	+ 8 7.9	1.438	2.426	5.1	21.8
10 8	0 52.26	+ 7 1.7	1.415	2.414	0.5	21.5
10 18	0 42.72	+ 5 52.5	1.420	2.402	5.2	21.8
10 28	0 34.38	+ 4 48.9	1.452	2.390	10.1	22.1
11 7	0 28.21	+ 3 58.4	1.508	2.377	14.4	22.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
402075 2003 UG_{128}			10 7.4	5.°50	2.°8/ 9.7	16
	h m	° ′			°	m
8 29	1 14.85	+12 54.9	1.614	2.423	17.6	20.2
9 8	1 12.28	+13 19.9	1.539	2.424	14.3	20.0
9 18	1 7.25	+13 28.6	1.482	2.426	10.5	19.7
9 28	1 0.30	+13 21.2	1.448	2.429	6.3	19.5
10 8	0 52.36	+13 0.3	1.439	2.433	2.9	19.3
10 18	0 44.52	+12 30.4	1.456	2.439	4.9	19.5
10 28	0 37.90	+11 58.0	1.498	2.446	8.9	19.7
11 7	0 33.36	+11 29.8	1.564	2.454	12.8	20.0
80686 2000 BX_{33}			10 7.4	22.°83	6.°4/ 2.8	18
8 29	1 15.48	− 3 33.2	1.147	2.019	19.3	18.1
9 8	1 13.39	− 4 49.0	1.097	2.025	15.1	17.9
9 18	1 8.24	− 6 13.1	1.066	2.033	10.6	17.6
9 28	1 0.80	− 7 34.3	1.056	2.042	6.9	17.5
10 8	0 52.33	− 8 41.0	1.069	2.052	7.0	17.5
10 18	0 44.25	− 9 23.8	1.106	2.062	10.6	17.8
10 28	0 37.89	− 9 37.3	1.164	2.074	14.8	18.0
11 7	0 34.13	− 9 21.6	1.242	2.086	18.6	18.3
16690 Fabritius			10 7.5	186.°89	1.°5/ 8.7	18 R
8 29	1 22.34	+12 14.2	1.749	2.540	17.1	18.9
9 8	1 18.01	+12 0.9	1.663	2.540	13.9	18.7
9 18	1 11.11	+11 29.9	1.596	2.539	9.9	18.5
9 28	1 2.21	+10 42.7	1.554	2.538	5.4	18.2
10 8	0 52.25	+ 9 43.6	1.538	2.536	1.5	18.0
10 18	0 42.37	+ 8 39.1	1.551	2.533	4.8	18.2
10 28	0 33.73	+ 7 37.2	1.591	2.530	9.3	18.4
11 7	0 27.24	+ 6 45.0	1.656	2.526	13.3	18.7
329419 2002 NV_{8}			10 7.5	76.°24	5.°0/ 3.4	17
8 29	1 20.56	− 1 35.3	1.379	2.227	18.0	20.8
9 8	1 16.71	− 2 54.1	1.332	2.248	13.9	20.6
9 18	1 10.13	− 4 21.4	1.305	2.268	9.6	20.4
9 28	1 1.60	− 5 47.7	1.301	2.288	5.8	20.2
10 8	0 52.30	− 7 2.8	1.324	2.308	5.6	20.3
10 18	0 43.47	− 7 58.3	1.372	2.328	8.9	20.5
10 28	0 36.26	− 8 29.1	1.444	2.348	12.9	20.8
11 7	0 31.45	− 8 34.2	1.538	2.368	16.3	21.1
327099 2004 XQ_{144}			10 7.5	241.°78	2.°3/ 9.3	18
8 29	1 20.70	+13 32.0	1.599	2.395	18.3	22.0
9 8	1 17.13	+13 30.6	1.507	2.385	15.0	21.7
9 18	1 10.78	+13 9.7	1.434	2.376	10.9	21.4
9 28	1 2.16	+12 29.7	1.383	2.365	6.3	21.2
10 8	0 52.25	+11 34.1	1.359	2.355	2.4	20.9
10 18	0 42.29	+10 29.4	1.361	2.344	5.2	21.0
10 28	0 33.59	+ 9 24.4	1.389	2.333	9.9	21.3
11 7	0 27.20	+ 8 27.6	1.442	2.321	14.3	21.5
170483 2003 UU_{271}			10 7.5	30.°22	1.°0/ 8.3	18
8 29	1 14.51	+11 37.0	1.157	1.996	21.3	19.5
9 8	1 12.49	+11 10.9	1.112	2.018	16.9	19.3
9 18	1 7.50	+10 21.7	1.084	2.042	11.7	19.0
9 28	1 0.37	+ 9 14.0	1.077	2.067	6.1	18.8
10 8	0 52.37	+ 7 56.3	1.094	2.093	1.0	18.6
10 18	0 44.86	+ 6 39.1	1.135	2.120	5.6	19.0
10 28	0 39.09	+ 5 32.6	1.200	2.148	10.7	19.3
11 7	0 35.84	+ 4 43.8	1.287	2.177	15.0	19.7
481334 2006 BX_{92}			10 7.5	186.°57	2.°4/ 3.9	18
8 29	1 14.26	− 0 51.1	3.062	3.876	10.0	22.4
9 8	1 10.43	− 1 43.4	2.978	3.875	7.7	22.3
9 18	1 5.25	− 2 40.9	2.918	3.874	5.3	22.1
9 28	0 59.09	− 3 39.6	2.886	3.873	3.0	21.9
10 8	0 52.45	− 4 35.5	2.884	3.871	2.7	21.9
10 18	0 45.87	− 5 24.5	2.912	3.869	4.8	22.1
10 28	0 39.91	− 6 3.1	2.970	3.866	7.3	22.2
11 7	0 35.05	− 6 29.1	3.053	3.863	9.5	22.4
115416 2003 SP_{299}			10 7.5	12.°98	8.°0/15.3	18
8 29	1 17.74	+27 8.9	1.913	2.631	18.2	18.0
9 8	1 14.50	+28 13.8	1.832	2.635	15.9	17.8
9 18	1 8.78	+28 57.4	1.768	2.640	13.3	17.6
9 28	1 1.09	+29 16.0	1.724	2.645	10.6	17.5
10 8	0 52.32	+29 8.2	1.704	2.651	8.6	17.4
10 18	0 43.56	+28 36.0	1.708	2.658	8.1	17.4
10 28	0 35.96	+27 44.9	1.738	2.666	9.5	17.5
11 7	0 30.43	+26 43.6	1.793	2.674	11.9	17.6
166597 2002 RA_{184}			10 7.5	343.°17	5.°3/12.1	18
8 29	1 8.58	+20 23.2	1.354	2.156	20.7	18.4
9 8	1 8.07	+20 31.7	1.267	2.141	17.5	18.2
9 18	1 4.80	+20 11.7	1.196	2.127	13.6	17.9
9 28	0 59.27	+19 21.3	1.145	2.114	9.3	17.6
10 8	0 52.43	+18 2.8	1.116	2.103	5.8	17.4
10 18	0 45.54	+16 23.8	1.111	2.093	6.2	17.4
10 28	0 39.96	+14 36.1	1.130	2.085	10.2	17.6
11 7	0 36.76	+12 53.3	1.171	2.078	14.7	17.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
340128 2005 XX_{28}			10 7.5	311.°44	1.°6/ 8.6	18
	h m	° ′			°	m
8 29	1 16.72	+11 3.2	1.462	2.282	18.6	21.1
9 8	1 14.25	+11 4.0	1.372	2.266	15.1	20.8
9 18	1 8.95	+10 46.5	1.299	2.251	10.9	20.5
9 28	1 1.32	+10 11.6	1.249	2.235	6.0	20.2
10 8	0 52.31	+ 9 23.3	1.223	2.221	1.6	19.9
10 18	0 43.20	+ 8 28.3	1.222	2.206	5.4	20.1
10 28	0 35.35	+ 7 35.5	1.247	2.192	10.6	20.4
11 7	0 29.86	+ 6 52.9	1.294	2.179	15.2	20.6
328854 2009 WA_{146}			10 7.5	346.°69	2.°3/ 9.6	18
8 29	1 17.38	+13 3.3	2.168	2.950	14.5	20.6
9 8	1 13.63	+13 18.5	2.078	2.947	11.8	20.5
9 18	1 7.86	+13 20.6	2.009	2.945	8.6	20.2
9 28	1 0.53	+13 10.0	1.964	2.943	5.1	20.0
10 8	0 52.37	+12 48.8	1.946	2.941	2.4	19.9
10 18	0 44.24	+12 20.4	1.957	2.939	4.0	20.0
10 28	0 37.02	+11 49.9	1.996	2.938	7.5	20.2
11 7	0 31.45	+11 22.2	2.061	2.937	10.8	20.4
389907 2012 TY_{54}			10 7.5	242.°05	1.°8/ 9.0	18
8 29	1 20.35	+12 4.7	2.065	2.848	15.1	21.5
9 8	1 16.17	+12 7.5	1.964	2.836	12.3	21.3
9 18	1 9.74	+11 56.3	1.885	2.824	8.9	21.0
9 28	1 1.54	+11 31.8	1.830	2.812	5.1	20.8
10 8	0 52.32	+10 56.5	1.802	2.799	1.8	20.5
10 18	0 43.03	+10 14.8	1.803	2.785	4.3	20.7
10 28	0 34.70	+ 9 32.6	1.832	2.772	8.2	20.9
11 7	0 28.15	+ 8 55.6	1.887	2.758	11.9	21.1
404420 2013 GP_{81}			10 7.5	83.°34	3.°5/ 3.7	18
8 29	1 16.92	− 3 3.5	2.243	3.071	12.7	20.9
9 8	1 12.89	− 3 51.5	2.181	3.086	9.8	20.8
9 18	1 7.09	− 4 43.6	2.142	3.100	6.8	20.6
9 28	1 0.03	− 5 34.7	2.130	3.115	4.1	20.5
10 8	0 52.42	− 6 19.4	2.146	3.129	3.9	20.5
10 18	0 45.03	− 6 53.1	2.190	3.144	6.3	20.7
10 28	0 38.59	− 7 12.3	2.261	3.158	9.2	20.9
11 7	0 33.68	− 7 15.7	2.357	3.172	11.8	21.1
481552 2007 RA_{179}			10 7.5	351.°55	1.°3/ 8.8	17
8 29	1 8.48	+14 36.9	1.367	2.193	19.3	20.6
9 8	1 7.73	+13 48.2	1.288	2.186	15.6	20.3
9 18	1 4.38	+12 31.7	1.227	2.180	11.2	20.0
9 28	0 58.97	+10 50.4	1.187	2.174	6.1	19.7
10 8	0 52.47	+ 8 52.4	1.172	2.170	1.4	19.4
10 18	0 46.06	+ 6 49.3	1.183	2.168	5.3	19.7
10 28	0 40.94	+ 4 54.4	1.218	2.166	10.5	20.0
11 7	0 38.02	+ 3 18.9	1.276	2.166	15.1	20.2
356272 2009 WJ_{135}			10 7.5	3.°03	0.°6/ 8.7	18
8 29	1 8.99	+10 41.1	4.168	4.942	8.2	21.2
9 8	1 6.03	+10 26.5	4.073	4.942	6.5	21.1
9 18	1 2.11	+10 4.9	4.003	4.943	4.6	21.0
9 28	0 57.52	+ 9 37.4	3.959	4.943	2.5	20.8
10 8	0 52.58	+ 9 6.1	3.945	4.943	0.7	20.7
10 18	0 47.68	+ 8 33.1	3.962	4.943	2.2	20.8
10 28	0 43.19	+ 8 0.9	4.008	4.944	4.3	21.0
11 7	0 39.45	+ 7 31.9	4.083	4.944	6.2	21.1
515675 2014 OT_{378}			10 7.5	65.°34	5.°1/12.4	18
8 29	1 22.63	+20 44.8	2.190	2.923	15.8	21.2
9 8	1 17.67	+21 31.2	2.118	2.944	13.3	21.0
9 18	1 10.55	+22 0.9	2.065	2.964	10.4	20.9
9 28	1 1.83	+22 12.4	2.035	2.984	7.5	20.8
10 8	0 52.33	+22 6.0	2.033	3.005	5.3	20.7
10 18	0 43.00	+21 44.3	2.058	3.025	5.5	20.7
10 28	0 34.77	+21 12.3	2.112	3.046	7.7	20.9
11 7	0 28.37	+20 36.2	2.191	3.066	10.3	21.1
124070 2001 FZ_{176}			10 7.5	71.°91	6.°3/30.1	18
8 29	1 15.67	−11 46.8	2.247	3.085	12.3	19.1
9 8	1 11.97	−13 1.0	2.193	3.096	9.9	19.0
9 18	1 6.49	−14 13.7	2.163	3.107	7.6	18.9
9 28	0 59.75	−15 18.0	2.158	3.118	6.3	18.8
10 8	0 52.46	−16 7.8	2.181	3.130	6.9	18.9
10 18	0 45.38	−16 38.6	2.230	3.141	8.7	19.0
10 28	0 39.25	−16 48.2	2.305	3.153	11.0	19.2
11 7	0 34.65	−16 36.9	2.401	3.164	13.2	19.4
150285 1999 TV_{94}			10 7.5	13.°35	4.°3/ 3.9	18
8 29	1 19.44	− 5 11.0	1.833	2.670	14.7	19.2
9 8	1 15.39	− 5 35.9	1.764	2.672	11.5	19.0
9 18	1 9.09	− 6 3.4	1.717	2.675	8.1	18.8
9 28	1 1.13	− 6 27.9	1.694	2.678	5.0	18.6
10 8	0 52.38	− 6 44.0	1.698	2.682	4.7	18.6
10 18	0 43.83	− 6 47.1	1.729	2.686	7.4	18.8
10 28	0 36.47	− 6 34.3	1.786	2.691	10.8	19.0
11 7	0 31.01	− 6 5.0	1.867	2.696	13.9	19.2

357229 2002 JF_{108} 10 7.5 77°.55 7°.9/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.18	−17 14.8	2.211	3.044	12.6	20.2
9 8	1 13.14	−18 40.6	2.170	3.062	10.4	20.1
9 18	1 7.27	−20 0.4	2.152	3.079	8.7	20.0
9 28	1 0.11	−21 6.7	2.160	3.096	7.9	20.0
10 8	0 52.44	−21 53.3	2.194	3.114	8.6	20.1
10 18	0 45.05	−22 16.5	2.254	3.131	10.2	20.2
10 28	0 38.71	−22 15.1	2.337	3.148	12.2	20.4
11 7	0 33.98	−21 50.7	2.440	3.165	14.0	20.5

448605 2010 UK_{14} 10 7.5 312°.88 0°.6/ 8.0 17

8 29	1 15.83	+ 9 30.7	2.033	2.836	14.7	22.3
9 8	1 12.53	+ 9 15.9	1.943	2.830	11.7	22.1
9 18	1 7.17	+ 8 47.6	1.875	2.824	8.2	21.9
9 28	1 0.22	+ 8 8.0	1.831	2.819	4.3	21.6
10 8	0 52.43	+ 7 21.1	1.814	2.813	0.6	21.3
10 18	0 44.67	+ 6 32.2	1.826	2.808	4.3	21.6
10 28	0 37.87	+ 5 47.1	1.865	2.803	8.2	21.9
11 7	0 32.74	+ 5 11.1	1.929	2.798	11.8	22.1

50882 2000 GW_{35} 10 7.5 241°.83 0°.7/ 8.2 18

8 29	1 17.59	+ 9 59.3	2.045	2.843	14.8	19.5
9 8	1 13.90	+ 9 45.2	1.955	2.838	11.8	19.3
9 18	1 8.11	+ 9 17.3	1.885	2.833	8.3	19.1
9 28	1 0.69	+ 8 37.6	1.841	2.827	4.4	18.9
10 8	0 52.41	+ 7 50.1	1.823	2.822	0.7	18.6
10 18	0 44.16	+ 6 59.9	1.834	2.816	4.2	18.8
10 28	0 36.88	+ 6 13.2	1.874	2.811	8.2	19.1
11 7	0 31.31	+ 5 35.2	1.938	2.805	11.8	19.3

53787 2000 EX_{101} 10 7.5 28°.71 2°.7/ 9.2 18

8 29	1 19.25	+11 34.5	1.140	1.973	21.9	17.7
9 8	1 16.53	+12 1.4	1.085	1.986	17.7	17.5
9 18	1 10.52	+12 7.7	1.047	2.000	12.7	17.3
9 28	1 2.01	+11 54.2	1.029	2.015	7.2	17.0
10 8	0 52.34	+11 25.2	1.034	2.031	2.7	16.8
10 18	0 43.05	+10 47.8	1.063	2.048	5.8	17.1
10 28	0 35.64	+10 10.9	1.116	2.066	10.9	17.4
11 7	0 31.07	+ 9 42.7	1.190	2.085	15.5	17.7

284260 2006 GH_{33} 10 7.5 110°.21 2°.2/ 5.6 18

8 29	1 21.89	+ 1 4.8	1.922	2.741	14.8	21.4
9 8	1 17.13	+ 0 40.7	1.854	2.753	11.6	21.2
9 18	1 10.19	+ 0 9.2	1.807	2.765	7.8	21.0
9 28	1 1.64	− 0 25.4	1.786	2.777	4.0	20.8
10 8	0 52.37	− 0 57.9	1.793	2.788	2.5	20.8
10 18	0 43.34	− 1 23.3	1.829	2.799	5.7	21.0
10 28	0 35.50	− 1 37.4	1.892	2.810	9.4	21.3
11 7	0 29.55	− 1 37.8	1.979	2.820	12.7	21.5

354471 2004 CT_{76} 10 7.5 309°.32 7°.4/12.8 17

8 29	1 19.11	+22 27.0	1.718	2.470	18.8	21.1
9 8	1 16.18	+23 30.3	1.609	2.444	16.3	20.9
9 18	1 10.42	+24 15.4	1.517	2.418	13.3	20.6
9 28	1 2.18	+24 37.6	1.447	2.393	10.2	20.4
10 8	0 52.32	+24 34.5	1.400	2.368	7.8	20.2
10 18	0 42.04	+24 6.8	1.377	2.343	7.9	20.1
10 28	0 32.79	+23 19.8	1.381	2.319	10.5	20.2
11 7	0 25.79	+22 22.6	1.407	2.295	14.1	20.3

434584 2005 UH_{146} 10 7.5 66°.84 2°.7/ 9.9 16

8 29	1 18.06	+15 35.6	1.536	2.332	18.9	20.9
9 8	1 14.87	+15 24.1	1.466	2.343	15.4	20.7
9 18	1 9.03	+14 50.4	1.414	2.353	11.2	20.5
9 28	1 1.20	+13 55.8	1.384	2.364	6.7	20.3
10 8	0 52.40	+12 45.2	1.380	2.375	2.9	20.1
10 18	0 43.83	+11 26.3	1.402	2.385	5.0	20.2
10 28	0 36.66	+10 8.6	1.450	2.396	9.3	20.5
11 7	0 31.76	+ 9 0.9	1.523	2.407	13.4	20.8

125270 2001 VT_{3} 10 7.5 29°.71 3°.6/10.4 18

8 29	1 15.84	+16 40.4	1.349	2.156	20.5	19.7
9 8	1 13.52	+16 39.3	1.282	2.163	16.9	19.5
9 18	1 8.33	+16 13.2	1.231	2.171	12.5	19.3
9 28	1 0.92	+15 22.5	1.202	2.180	7.7	19.0
10 8	0 52.42	+14 12.0	1.196	2.189	3.8	18.8
10 18	0 44.14	+12 50.2	1.215	2.199	5.5	19.0
10 28	0 37.39	+11 27.9	1.259	2.210	10.0	19.3
11 7	0 33.10	+10 15.4	1.326	2.221	14.3	19.6

519776 2013 EO_{157} 10 7.5 72°.69 2°.6/ 4.5 18

8 29	1 14.29	+ 2 4.1	2.093	2.920	13.5	21.4
9 8	1 11.08	+ 0 59.4	2.022	2.927	10.4	21.2
9 18	1 6.01	− 0 15.0	1.973	2.934	7.0	21.0
9 28	0 59.59	− 1 33.4	1.951	2.941	3.7	20.8
10 8	0 52.51	− 2 49.3	1.956	2.948	2.9	20.8
10 18	0 45.59	− 3 56.2	1.991	2.955	5.9	21.0
10 28	0 39.62	− 4 48.6	2.052	2.962	9.3	21.2
11 7	0 35.21	− 5 23.3	2.138	2.969	12.3	21.4

28409 1999 TQ_{226} 10 7.5 147°.23 1°.0/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 18.89	+11 44.2	2.191	2.975	14.3	20.1
9 8	1 14.66	+11 22.4	2.109	2.983	11.5	19.9
9 18	1 8.46	+10 46.3	2.049	2.991	8.1	19.7
9 28	1 0.81	+ 9 58.0	2.014	2.998	4.4	19.5
10 8	0 52.45	+ 9 1.5	2.007	3.005	1.1	19.3
10 18	0 44.22	+ 8 1.9	2.029	3.011	3.9	19.5
10 28	0 36.97	+ 7 5.4	2.080	3.017	7.6	19.7
11 7	0 31.37	+ 6 17.3	2.158	3.023	10.9	20.0

355394 2007 UX 10 7.5 299°.96 6°.1/ 2.7 18

8 29	1 20.89	− 8 18.2	1.738	2.578	15.2	20.8
9 8	1 16.97	− 8 58.3	1.650	2.558	12.2	20.6
9 18	1 10.50	− 9 40.2	1.585	2.539	9.0	20.3
9 28	1 2.00	−10 16.8	1.543	2.520	6.4	20.1
10 8	0 52.38	−10 40.7	1.527	2.501	6.5	20.1
10 18	0 42.74	−10 46.1	1.538	2.483	9.3	20.2
10 28	0 34.26	−10 29.4	1.574	2.464	12.8	20.4
11 7	0 27.87	− 9 50.4	1.631	2.446	16.2	20.6

293974 2007 TH_{55} 10 7.5 11°.82 0°.7/ 8.0 16

8 29	1 16.83	+ 9 31.2	1.642	2.458	17.0	21.3
9 8	1 13.77	+ 9 19.8	1.565	2.459	13.6	21.1
9 18	1 8.24	+ 8 52.6	1.508	2.460	9.5	20.9
9 28	1 0.83	+ 8 12.0	1.474	2.462	4.9	20.6
10 8	0 52.45	+ 7 23.0	1.466	2.465	0.7	20.3
10 18	0 44.20	+ 6 32.1	1.485	2.468	4.9	20.6
10 28	0 37.18	+ 5 46.3	1.530	2.471	9.4	20.9
11 7	0 32.22	+ 5 11.8	1.599	2.474	13.4	21.2

431935 2008 TR_{158} 10 7.5 262°.28 0°.1/ 7.8 16

8 29	1 7.71	+ 9 39.5	4.537	5.315	7.5	21.7
9 8	1 4.97	+ 9 0.5	4.435	5.309	5.9	21.5
9 18	1 1.39	+ 8 14.5	4.359	5.303	4.1	21.4
9 28	0 57.19	+ 7 23.1	4.310	5.297	2.1	21.2
10 8	0 52.68	+ 6 28.6	4.292	5.291	0.2	21.0
10 18	0 48.19	+ 5 33.7	4.305	5.285	2.2	21.2
10 28	0 44.07	+ 4 41.1	4.349	5.279	4.2	21.4
11 7	0 40.62	+ 3 53.3	4.422	5.273	6.0	21.5

370611 2003 XW_{20} 10 7.5 322°.65 0°.5/ 7.8 18

8 29	1 16.30	+ 7 51.6	1.195	2.040	20.4	20.7
9 8	1 14.56	+ 7 56.7	1.110	2.021	16.5	20.4
9 18	1 9.58	+ 7 44.3	1.042	2.003	11.6	20.1
9 28	1 1.83	+ 7 16.1	0.995	1.986	6.0	19.8
10 8	0 52.40	+ 6 37.2	0.971	1.970	0.5	19.3
10 18	0 42.81	+ 5 55.4	0.970	1.955	6.4	19.7
10 28	0 34.71	+ 5 19.9	0.993	1.940	12.4	20.0
11 7	0 29.40	+ 4 58.7	1.035	1.927	17.6	20.2

141865 2002 PN_{28} 10 7.5 344°.71 5°.7/11.7 18

8 29	1 17.07	+18 51.2	1.307	2.105	21.5	19.2
9 8	1 14.92	+19 27.8	1.228	2.100	18.1	19.0
9 18	1 9.63	+19 39.8	1.165	2.095	14.0	18.7
9 28	1 1.76	+19 24.6	1.122	2.091	9.6	18.5
10 8	0 52.41	+18 43.2	1.102	2.088	6.1	18.3
10 18	0 43.06	+17 41.0	1.105	2.085	6.8	18.3
10 28	0 35.25	+16 28.3	1.132	2.083	10.8	18.5
11 7	0 30.13	+15 17.0	1.181	2.081	15.2	18.8

164062 2003 WL_{38} 10 7.5 18°.97 1°.1/ 8.3 18

8 29	1 18.99	+ 8 55.4	1.486	2.307	18.3	19.2
9 8	1 15.70	+ 9 7.5	1.415	2.311	14.6	19.0
9 18	1 9.69	+ 9 4.9	1.363	2.316	10.3	18.8
9 28	1 1.59	+ 8 49.1	1.334	2.322	5.4	18.5
10 8	0 52.44	+ 8 24.3	1.330	2.329	1.1	18.2
10 18	0 43.47	+ 7 55.8	1.353	2.336	5.1	18.5
10 28	0 35.91	+ 7 30.3	1.400	2.344	9.8	18.8
11 7	0 30.66	+ 7 13.6	1.471	2.353	14.0	19.1

200268 1999 XJ_{110} 10 7.5 306°.80 8°.7/30.6 18

8 29	1 22.32	−15 10.8	1.703	2.542	15.5	19.6
9 8	1 18.00	−16 8.4	1.634	2.534	12.8	19.4
9 18	1 11.10	−17 1.6	1.587	2.527	10.2	19.3
9 28	1 2.24	−17 41.6	1.564	2.519	8.7	19.2
10 8	0 52.41	−18 0.3	1.565	2.512	9.3	19.2
10 18	0 42.78	−17 52.8	1.592	2.505	11.5	19.3
10 28	0 34.50	−17 17.5	1.642	2.498	14.3	19.5
11 7	0 28.41	−16 16.8	1.713	2.491	17.1	19.7

394305 2006 VG_{146} 10 7.5 350°.70 10°.2/29.1 18

8 29	1 18.92	−17 59.4	1.568	2.417	16.1	19.9
9 8	1 15.52	−19 9.1	1.510	2.412	13.5	19.7
9 18	1 9.46	−20 11.4	1.473	2.407	11.3	19.5
9 28	1 1.43	−20 56.3	1.458	2.403	10.2	19.5
10 8	0 52.47	−21 15.3	1.467	2.399	10.9	19.5
10 18	0 43.77	−21 3.4	1.498	2.397	13.0	19.6
10 28	0 36.51	−20 20.0	1.552	2.395	15.6	19.8
11 7	0 31.49	−19 8.5	1.624	2.394	18.2	20.0

332441 2007 XL_{52} 10 7.5 159°.11 5°.2/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 22.23	− 4 7.7	1.568	2.407	16.6	21.3
9 8	1 18.02	− 5 4.0	1.500	2.410	13.0	21.1
9 18	1 11.15	− 6 6.2	1.454	2.413	9.2	20.8
9 28	1 2.27	− 7 6.7	1.432	2.415	5.8	20.7
10 8	0 52.43	− 7 57.0	1.435	2.418	5.7	20.7
10 18	0 42.81	− 8 29.9	1.466	2.419	8.8	20.8
10 28	0 34.61	− 8 41.0	1.521	2.421	12.6	21.1
11 7	0 28.68	− 8 29.2	1.598	2.422	16.1	21.3

125023 2001 TB_{188} 10 7.5 66°.14 2°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.05	+13 1.2	1.533	2.335	18.6	19.6
9 8	1 16.41	+13 1.2	1.465	2.347	15.1	19.4
9 18	1 10.10	+12 42.2	1.415	2.359	10.8	19.2
9 28	1 1.76	+12 5.4	1.388	2.371	6.2	19.0
10 8	0 52.45	+11 15.5	1.387	2.383	2.3	18.8
10 18	0 43.39	+10 19.0	1.412	2.395	4.9	19.0
10 28	0 35.77	+ 9 24.1	1.463	2.408	9.4	19.3
11 7	0 30.44	+ 8 38.2	1.538	2.420	13.5	19.5

99166 2001 FL_{148} 10 7.5 158°.28 4°.9/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.72	+21 48.2	2.357	3.078	15.1	20.7
9 8	1 17.76	+22 19.7	2.266	3.084	12.8	20.6
9 18	1 10.69	+22 34.8	2.195	3.090	10.1	20.4
9 28	1 2.00	+22 31.6	2.148	3.095	7.3	20.2
10 8	0 52.44	+22 10.7	2.128	3.100	5.2	20.1
10 18	0 42.93	+21 34.7	2.137	3.104	5.3	20.1
10 28	0 34.39	+20 48.5	2.174	3.108	7.5	20.3
11 7	0 27.56	+19 58.6	2.238	3.111	10.2	20.5

279661 2011 FA_{11} 10 7.5 154°.47 1°.2/ 6.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.17	+ 5 34.5	1.989	2.797	14.7	22.3
9 8	1 15.83	+ 4 53.9	1.912	2.805	11.6	22.1
9 18	1 9.36	+ 4 1.3	1.857	2.812	7.9	21.8
9 28	1 1.31	+ 3 0.9	1.827	2.818	3.8	21.6
10 8	0 52.49	+ 1 58.4	1.826	2.823	1.4	21.5
10 18	0 43.83	+ 1 0.2	1.853	2.828	5.1	21.7
10 28	0 36.26	+ 0 12.1	1.909	2.833	9.0	22.0
11 7	0 30.49	− 0 21.7	1.989	2.837	12.4	22.2

488063 2015 UX_{60} 10 7.5 269°.48 2°.9/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.15	+20 45.0	2.734	3.468	12.9	21.8
9 8	1 10.85	+20 10.2	2.612	3.445	10.8	21.7
9 18	1 5.86	+19 16.9	2.511	3.422	8.3	21.4
9 28	0 59.59	+18 5.3	2.435	3.399	5.5	21.2
10 8	0 52.58	+16 38.0	2.388	3.375	3.2	21.0
10 18	0 45.52	+14 59.6	2.371	3.351	3.7	21.0
10 28	0 39.12	+13 16.6	2.385	3.326	6.4	21.2
11 7	0 34.02	+11 36.1	2.427	3.302	9.4	21.3

302764 2002 VS_{99} 10 7.5 325°.53 6°.6/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 28.73	+13 37.1	1.484	2.270	19.9	18.4
9 8	1 24.55	+15 31.2	1.372	2.238	16.9	18.1
9 18	1 16.81	+17 20.5	1.279	2.207	13.2	17.8
9 28	1 5.74	+18 59.7	1.209	2.176	9.3	17.5
10 8	0 52.22	+20 23.3	1.164	2.146	6.7	17.3
10 18	0 37.78	+21 27.2	1.146	2.117	8.2	17.3
10 28	0 24.35	+22 11.8	1.153	2.089	12.3	17.4
11 7	0 13.66	+22 42.5	1.184	2.063	16.8	17.6

99487 2002 CR_{172} 10 7.5 1°.41 6°.9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.99	− 5 16.3	0.911	1.799	21.7	17.8
9 8	1 14.70	− 5 52.4	0.859	1.795	17.2	17.5
9 18	1 9.71	− 6 33.7	0.822	1.793	12.2	17.3
9 28	1 1.81	− 7 9.9	0.805	1.793	7.9	17.1
10 8	0 52.47	− 7 29.8	0.808	1.795	7.4	17.0
10 18	0 43.47	− 7 25.1	0.832	1.798	11.4	17.3
10 28	0 36.55	− 6 52.0	0.876	1.803	16.3	17.6
11 7	0 32.79	− 5 52.2	0.937	1.810	20.8	17.9

383247 2006 BG_{234} 10 7.5 181°.12 2°.5/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.64	+ 2 2.3	1.713	2.544	15.8	21.4
9 8	1 15.04	+ 1 20.9	1.638	2.544	12.4	21.1
9 18	1 9.04	+ 0 28.9	1.583	2.544	8.4	20.9
9 28	1 1.23	− 0 28.4	1.553	2.544	4.3	20.7
10 8	0 52.50	− 1 24.2	1.550	2.544	2.9	20.6
10 18	0 43.91	− 2 11.6	1.573	2.544	6.5	20.8
10 28	0 36.52	− 2 44.5	1.624	2.544	10.6	21.1
11 7	0 31.13	− 2 59.6	1.697	2.543	14.2	21.3

506108 2016 AZ_{194} 10 7.5 330°.16 10°.0/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.79	− 0 42.7	0.983	1.871	20.4	19.7
9 8	1 8.84	− 4 42.9	0.923	1.863	15.9	19.4
9 18	1 5.64	− 9 12.4	0.886	1.856	11.7	19.2
9 28	0 59.81	−13 45.9	0.873	1.850	10.1	19.1
10 8	0 52.57	−17 53.1	0.885	1.844	12.6	19.2
10 18	0 45.46	−21 9.3	0.920	1.838	17.1	19.4
10 28	0 40.06	−23 21.9	0.975	1.834	21.5	19.7
11 7	0 37.44	−24 31.6	1.044	1.830	25.2	20.0

410113 2007 ET_{217} 10 7.5 139°.71 0°.1/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.18	+ 7 53.5	2.503	3.296	12.5	21.8
9 8	1 13.08	+ 7 39.6	2.419	3.301	9.9	21.7
9 18	1 7.28	+ 7 16.0	2.358	3.306	6.8	21.5
9 28	1 0.23	+ 6 44.6	2.323	3.311	3.4	21.3
10 8	0 52.56	+ 6 8.9	2.316	3.315	0.2	21.0
10 18	0 44.99	+ 5 32.8	2.340	3.320	3.7	21.3
10 28	0 38.23	+ 5 0.6	2.392	3.324	7.0	21.5
11 7	0 32.87	+ 4 35.8	2.470	3.328	9.9	21.7

370577 2003 UG_{270} 10 7.5 339°.34 25°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.81	+33 52.4	0.997	1.746	29.8	18.9
9 8	1 20.93	+38 31.0	0.919	1.717	28.4	18.6
9 18	1 16.40	+43 0.1	0.856	1.690	26.9	18.4
9 28	1 6.64	+47 0.6	0.807	1.665	25.7	18.2
10 8	0 52.12	+50 11.3	0.773	1.643	25.1	18.1
10 18	0 34.90	+52 13.7	0.754	1.624	25.3	18.0
10 28	0 18.80	+53 2.3	0.748	1.608	26.2	18.0
11 7	0 7.73	+52 47.6	0.754	1.595	27.6	18.0

41872 2000 WJ_{100} 10 7.5 312°.17 1°.5/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.66	+ 4 11.1	1.584	2.417	16.8	18.8
9 8	1 14.64	+ 3 48.9	1.499	2.405	13.3	18.6
9 18	1 9.03	+ 3 14.0	1.434	2.394	9.1	18.3
9 28	1 1.34	+ 2 30.6	1.392	2.384	4.5	18.0
10 8	0 52.50	+ 1 44.8	1.376	2.373	1.7	17.8
10 18	0 43.67	+ 1 3.3	1.386	2.363	6.1	18.1
10 28	0 36.05	+ 0 33.1	1.422	2.353	10.8	18.3
11 7	0 30.58	+ 0 18.8	1.480	2.344	15.0	18.5

38077 1999 GY_{31} 10 7.5 132°.45 2°.4/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.19	+ 3 8.9	1.581	2.407	17.1	19.9
9 8	1 17.92	+ 2 22.1	1.513	2.417	13.4	19.7
9 18	1 11.04	+ 1 23.2	1.467	2.426	9.1	19.5
9 28	1 2.21	+ 0 17.7	1.444	2.435	4.5	19.2
10 8	0 52.46	− 0 46.6	1.449	2.444	2.7	19.1
10 18	0 42.99	− 1 41.9	1.481	2.452	6.7	19.4
10 28	0 34.93	− 2 21.7	1.539	2.460	11.0	19.7
11 7	0 29.11	− 2 42.3	1.620	2.467	14.8	19.9

294256 2007 UT_{76} 10 7.5 246°.87 1°.6/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.13	+13 0.7	2.077	2.862	15.0	21.1
9 8	1 13.60	+12 46.2	1.980	2.853	12.1	20.9
9 18	1 7.98	+12 15.8	1.905	2.845	8.7	20.7
9 28	1 0.71	+11 30.8	1.853	2.836	5.0	20.4
10 8	0 52.54	+10 34.7	1.830	2.827	1.7	20.2
10 18	0 44.36	+ 9 32.8	1.834	2.817	4.1	20.3
10 28	0 37.12	+ 8 31.7	1.867	2.808	8.0	20.6
11 7	0 31.58	+ 7 37.9	1.926	2.798	11.6	20.8

99455 2002 CX_{55} 10 7.5 150°.32 0°.0/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.34	+ 8 22.7	1.962	2.764	15.1	20.8
9 8	1 15.27	+ 7 57.4	1.883	2.770	12.0	20.6
9 18	1 9.04	+ 7 18.6	1.824	2.775	8.3	20.4
9 28	1 1.19	+ 6 29.3	1.790	2.779	4.1	20.2
10 8	0 52.53	+ 5 34.4	1.785	2.784	0.2	19.8
10 18	0 44.00	+ 4 39.8	1.807	2.788	4.6	20.2
10 28	0 36.56	+ 3 51.6	1.858	2.791	8.6	20.5
11 7	0 30.92	+ 3 14.8	1.934	2.794	12.1	20.7

510192 2011 CN_{16} 10 7.5 225°.60 1°.9/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.01	+12 20.8	1.763	2.556	17.0	22.1
9 8	1 17.07	+12 20.0	1.673	2.550	13.8	21.8
9 18	1 10.60	+12 2.4	1.601	2.543	9.9	21.6
9 28	1 2.10	+11 29.1	1.554	2.537	5.6	21.3
10 8	0 52.48	+10 43.2	1.532	2.529	1.9	21.1
10 18	0 42.85	+ 9 50.5	1.539	2.522	4.7	21.3
10 28	0 34.38	+ 8 58.3	1.573	2.514	9.2	21.5
11 7	0 28.01	+ 8 13.6	1.631	2.506	13.2	21.7

289825 2005 KW_{12} 10 7.5 68°.50 2°.1/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.78	+ 3 55.3	1.855	2.681	15.0	20.7
9 8	1 12.53	+ 3 0.1	1.785	2.689	11.6	20.5
9 18	1 7.17	+ 1 53.0	1.736	2.696	7.8	20.3
9 28	1 0.25	+ 0 39.5	1.712	2.704	3.9	20.1
10 8	0 52.58	− 0 33.4	1.716	2.711	2.4	20.0
10 18	0 45.10	− 1 38.8	1.748	2.719	5.9	20.2
10 28	0 38.71	− 2 30.3	1.806	2.726	9.7	20.5
11 7	0 34.09	− 3 4.1	1.889	2.734	13.1	20.7

321540 2009 SM_{275} 10 7.5 210°.12 0°.9/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.10	+ 6 0.2	2.722	3.523	11.4	21.1
9 8	1 10.58	+ 5 12.6	2.629	3.518	8.9	20.9
9 18	1 5.55	+ 4 15.0	2.560	3.513	6.0	20.7
9 28	0 59.38	+ 3 10.8	2.518	3.508	2.9	20.5
10 8	0 52.63	+ 2 4.3	2.505	3.503	1.1	20.4
10 18	0 45.92	+ 1 0.4	2.523	3.497	4.0	20.6
10 28	0 39.90	+ 0 3.9	2.570	3.491	7.1	20.8
11 7	0 35.10	− 0 41.5	2.643	3.484	9.9	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
159297 2006 BT_{45}		10 7.5 56°.96 2°.7/ 4.3 18				
	h m	° ′			°	m
8 29	1 13.80	+ 0 55.5	2.224	3.051	12.8	19.8
9 8	1 10.61	− 0 4.3	2.152	3.057	9.9	19.6
9 18	1 5.67	− 1 12.0	2.104	3.064	6.7	19.4
9 28	0 59.46	− 2 22.7	2.081	3.071	3.6	19.3
10 8	0 52.64	− 3 30.2	2.087	3.078	3.0	19.2
10 18	0 45.96	− 4 28.7	2.122	3.084	5.8	19.4
10 28	0 40.16	− 5 13.5	2.184	3.091	8.9	19.6
11 7	0 35.82	− 5 41.8	2.270	3.099	11.8	19.9
324908 2007 VL_{231}		10 7.5 7°.84 2°.2/ 8.9 18				
8 29	1 14.09	+11 55.9	1.011	1.861	22.9	20.2
9 8	1 13.02	+12 2.5	0.949	1.861	18.6	19.9
9 18	1 8.52	+11 44.1	0.904	1.862	13.3	19.6
9 28	1 1.25	+11 2.2	0.877	1.865	7.4	19.3
10 8	0 52.55	+10 3.1	0.872	1.869	2.3	19.0
10 18	0 44.06	+ 8 56.8	0.889	1.875	6.2	19.3
10 28	0 37.44	+ 7 55.3	0.928	1.882	12.0	19.6
11 7	0 33.79	+ 7 8.8	0.987	1.890	17.2	20.0
494246 2016 QB_{1}		10 7.5 340°.07 1°.1/ 8.3 18				
8 29	1 12.22	+11 9.9	1.262	2.100	19.9	20.6
9 8	1 11.03	+10 53.7	1.182	2.088	16.1	20.3
9 18	1 6.92	+10 14.9	1.120	2.078	11.5	20.0
9 28	1 0.42	+ 9 15.6	1.079	2.068	6.1	19.7
10 8	0 52.59	+ 8 2.1	1.060	2.059	1.1	19.4
10 18	0 44.76	+ 6 43.9	1.067	2.052	5.8	19.7
10 28	0 38.35	+ 5 32.2	1.096	2.045	11.3	20.0
11 7	0 34.42	+ 4 36.6	1.148	2.040	16.2	20.2
55574 2002 CF_{245}		10 7.5 66°.12 1°.9/11.1 18				
8 29	1 9.66	+17 6.6	4.320	5.058	8.5	19.3
9 8	1 6.56	+17 2.1	4.226	5.064	6.9	19.2
9 18	1 2.52	+16 48.8	4.155	5.069	5.2	19.0
9 28	0 57.80	+16 27.5	4.110	5.075	3.4	18.9
10 8	0 52.74	+15 59.5	4.094	5.081	2.0	18.8
10 18	0 47.72	+15 26.6	4.108	5.086	2.4	18.9
10 28	0 43.12	+14 51.5	4.153	5.092	4.0	19.0
11 7	0 39.27	+14 16.8	4.225	5.098	5.8	19.1
79802 1998 VO_{12}		10 7.5 329°.19 2°.1/ 5.8 18				
8 29	1 13.74	+ 3 56.6	1.483	2.327	17.1	19.5
9 8	1 11.76	+ 3 21.6	1.397	2.311	13.6	19.2
9 18	1 7.18	+ 2 32.1	1.331	2.295	9.3	18.9
9 28	1 0.49	+ 1 33.1	1.288	2.280	4.6	18.6
10 8	0 52.61	+ 0 31.8	1.269	2.266	2.4	18.5
10 18	0 44.70	− 0 23.4	1.276	2.252	6.7	18.7
10 28	0 37.98	− 1 4.5	1.308	2.240	11.6	18.9
11 7	0 33.44	− 1 26.2	1.361	2.228	15.8	19.2
324176 2006 AN_{20}		10 7.5 185°.41 8°.3/20.0 17				
8 29	1 22.52	+39 8.7	3.159	3.730	13.9	21.7
9 8	1 17.55	+40 5.6	3.057	3.730	12.8	21.5
9 18	1 10.57	+40 44.6	2.972	3.729	11.4	21.4
9 28	1 2.01	+41 2.2	2.907	3.728	10.0	21.3
10 8	0 52.54	+40 56.5	2.864	3.727	8.9	21.2
10 18	0 42.97	+40 27.5	2.847	3.725	8.3	21.2
10 28	0 34.20	+39 38.2	2.856	3.722	8.6	21.2
11 7	0 26.96	+38 33.9	2.890	3.719	9.5	21.3
220218 2002 VL_{97}		10 7.5 306°.74 1°.7/ 8.9 18				
8 29	1 18.33	+11 22.7	1.869	2.666	16.0	20.8
9 8	1 14.80	+11 27.6	1.779	2.659	12.9	20.5
9 18	1 8.94	+11 18.0	1.709	2.653	9.3	20.3
9 28	1 1.26	+10 54.9	1.663	2.647	5.2	20.0
10 8	0 52.58	+10 21.2	1.643	2.640	1.7	19.8
10 18	0 43.89	+ 9 41.9	1.651	2.634	4.4	20.0
10 28	0 36.26	+ 9 2.9	1.687	2.629	8.6	20.2
11 7	0 30.53	+ 8 30.3	1.747	2.623	12.4	20.4
510156 2010 WO_{55}		10 7.5 230°.25 9°.8/18.5 18				
8 29	1 24.60	+37 3.0	2.328	2.944	17.6	22.1
9 8	1 20.01	+37 51.2	2.214	2.928	16.0	21.9
9 18	1 12.76	+38 16.4	2.115	2.912	14.2	21.8
9 28	1 3.29	+38 13.0	2.035	2.894	12.2	21.6
10 8	0 52.47	+37 37.8	1.978	2.876	10.5	21.4
10 18	0 41.42	+36 30.7	1.945	2.857	9.8	21.4
10 28	0 31.44	+34 56.5	1.939	2.836	10.4	21.4
11 7	0 23.55	+33 4.5	1.959	2.815	12.2	21.4
53014 1998 VZ_{14}		10 7.5 62°.35 1°.5/ 8.7 18				
8 29	1 20.06	+12 3.2	1.394	2.208	19.6	18.8
9 8	1 16.55	+11 47.9	1.335	2.226	15.7	18.6
9 18	1 10.24	+11 12.3	1.295	2.244	11.1	18.4
9 28	1 1.86	+10 19.0	1.277	2.263	6.0	18.2
10 8	0 52.56	+ 9 14.4	1.283	2.282	1.5	17.9
10 18	0 43.63	+ 8 6.6	1.317	2.300	5.2	18.2
10 28	0 36.29	+ 7 4.7	1.375	2.319	10.0	18.6
11 7	0 31.38	+ 6 16.1	1.457	2.338	14.1	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
218453 2004 RT_{227}		10 7.5 73°.12 1°.7/ 9.6 18				
	h m	° ′			°	m
8 29	1 15.44	+15 22.8	2.173	2.948	14.7	20.1
9 8	1 11.93	+14 46.0	2.103	2.969	11.8	19.9
9 18	1 6.57	+13 52.0	2.054	2.989	8.5	19.7
9 28	0 59.91	+12 43.4	2.030	3.010	4.9	19.5
10 8	0 52.67	+11 24.7	2.035	3.031	1.8	19.4
10 18	0 45.64	+10 2.3	2.068	3.051	3.7	19.5
10 28	0 39.62	+ 8 42.8	2.130	3.071	7.1	19.8
11 7	0 35.16	+ 7 32.5	2.219	3.091	10.3	20.0
72606 2001 FD_{16}		10 7.5 50°.12 0°.3/ 7.2 18				
8 29	1 18.41	+ 5 45.3	2.072	2.881	14.2	18.8
9 8	1 14.32	+ 5 38.6	2.003	2.895	11.2	18.6
9 18	1 8.27	+ 5 22.4	1.955	2.908	7.6	18.4
9 28	1 0.78	+ 4 59.3	1.933	2.923	3.7	18.2
10 8	0 52.63	+ 4 33.2	1.938	2.937	0.5	18.0
10 18	0 44.67	+ 4 8.4	1.972	2.952	4.3	18.3
10 28	0 37.75	+ 3 49.2	2.034	2.966	8.0	18.6
11 7	0 32.51	+ 3 39.0	2.121	2.981	11.2	18.8
267083 1999 VD_{59}		10 7.5 328°.22 0°.3/ 7.3 18				
8 29	1 14.40	+ 6 55.4	1.158	2.012	20.4	20.2
9 8	1 13.13	+ 6 49.9	1.076	1.992	16.4	19.9
9 18	1 8.65	+ 6 26.3	1.010	1.974	11.5	19.6
9 28	1 1.43	+ 5 47.3	0.965	1.957	5.8	19.2
10 8	0 52.58	+ 4 59.3	0.942	1.941	0.5	18.8
10 18	0 43.57	+ 4 10.9	0.942	1.926	6.8	19.2
10 28	0 36.07	+ 3 32.1	0.965	1.912	12.7	19.5
11 7	0 31.34	+ 3 10.9	1.008	1.900	18.0	19.7
496419 2014 DL_{47}		10 7.5 335°.34 0°.2/ 7.2 18				
8 29	1 8.73	+ 7 2.2	3.935	4.727	8.3	21.2
9 8	1 5.94	+ 6 34.9	3.840	4.724	6.5	21.1
9 18	1 2.15	+ 6 1.2	3.770	4.720	4.5	20.9
9 28	0 57.65	+ 5 22.8	3.727	4.716	2.2	20.8
10 8	0 52.79	+ 4 42.2	3.714	4.713	0.3	20.6
10 18	0 47.96	+ 4 2.1	3.731	4.710	2.6	20.8
10 28	0 43.55	+ 3 25.1	3.778	4.706	4.8	21.0
11 7	0 39.92	+ 2 53.9	3.853	4.703	6.8	21.1
473454 2015 XQ_{35}		10 7.5 298°.27 2°.4/ 4.9 18				
8 29	1 14.44	+ 1 24.4	2.192	3.017	13.0	21.6
9 8	1 11.29	+ 0 38.1	2.104	3.008	10.1	21.4
9 18	1 6.28	− 0 17.0	2.039	2.999	6.9	21.1
9 28	0 59.85	− 1 16.3	1.999	2.989	3.6	20.9
10 8	0 52.67	− 2 14.2	1.988	2.980	2.7	20.9
10 18	0 45.53	− 3 5.1	2.005	2.971	5.7	21.0
10 28	0 39.23	− 3 43.7	2.049	2.962	9.1	21.2
11 7	0 34.43	− 4 6.8	2.117	2.954	12.2	21.4
159136 2004 XY_{8}		10 7.5 319°.59 11°.1/27.4 18				
8 29	1 25.44	−26 45.9	2.017	2.825	14.6	19.3
9 8	1 20.18	−27 40.3	1.953	2.812	12.9	19.2
9 18	1 12.45	−28 21.9	1.909	2.798	11.6	19.0
9 28	1 2.91	−28 41.8	1.888	2.785	11.1	19.0
10 8	0 52.52	−28 33.7	1.890	2.773	11.8	19.0
10 18	0 42.39	−27 54.3	1.917	2.760	13.2	19.1
10 28	0 33.60	−26 44.3	1.966	2.749	15.1	19.2
11 7	0 26.93	−25 7.8	2.034	2.737	17.0	19.3
133495 2003 SW_{275}		10 7.5 215°.08 0°.8/ 6.7 18				
8 29	1 15.98	+ 7 48.4	1.911	2.724	15.1	20.3
9 8	1 12.77	+ 6 57.7	1.827	2.722	11.9	20.1
9 18	1 7.43	+ 5 51.7	1.764	2.720	8.1	19.9
9 28	1 0.45	+ 4 34.5	1.727	2.718	4.0	19.6
10 8	0 52.65	+ 3 12.6	1.717	2.715	1.0	19.4
10 18	0 44.92	+ 1 53.3	1.735	2.713	5.1	19.7
10 28	0 38.22	+ 0 44.2	1.781	2.710	9.2	19.9
11 7	0 33.29	− 0 9.3	1.851	2.707	12.8	20.2
181738 1995 UD_{50}		10 7.5 276°.09 0°.3/ 7.8 18				
8 29	1 16.67	+ 8 40.3	2.143	2.944	14.1	21.4
9 8	1 13.13	+ 8 24.5	2.051	2.937	11.2	21.2
9 18	1 7.60	+ 7 56.4	1.980	2.930	7.8	21.0
9 28	1 0.53	+ 7 18.2	1.934	2.922	4.0	20.7
10 8	0 52.64	+ 6 33.8	1.916	2.915	0.3	20.4
10 18	0 44.77	+ 5 48.0	1.926	2.908	4.2	20.7
10 28	0 37.79	+ 5 6.4	1.965	2.900	8.0	20.9
11 7	0 32.42	+ 4 33.9	2.029	2.893	11.5	21.1
449040 2012 CL_{50}		10 7.5 346°.16 5°.4/12.5 18				
8 29	1 18.44	+21 1.0	2.011	2.758	16.6	20.4
9 8	1 14.88	+21 41.5	1.920	2.755	14.1	20.2
9 18	1 9.01	+22 4.1	1.848	2.752	11.1	20.0
9 28	1 1.32	+22 7.0	1.798	2.750	8.1	19.8
10 8	0 52.60	+21 50.2	1.773	2.747	5.7	19.7
10 18	0 43.85	+21 16.5	1.775	2.745	5.9	19.7
10 28	0 36.13	+20 31.3	1.804	2.744	8.3	19.9
11 7	0 30.27	+19 41.9	1.859	2.743	11.4	20.0

118587 2000 GM_{68} 10 7.5 81°.68 0°.8/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 21.60	+ 6 10.6	1.575	2.395	17.5	20.3
9 8	1 17.39	+ 5 44.8	1.515	2.413	13.7	20.1
9 18	1 10.64	+ 5 5.5	1.474	2.430	9.3	19.9
9 28	1 2.02	+ 4 16.9	1.457	2.448	4.5	19.7
10 8	0 52.58	+ 3 25.3	1.466	2.465	1.0	19.4
10 18	0 43.48	+ 2 37.5	1.503	2.482	5.5	19.8
10 28	0 35.81	+ 2 0.1	1.566	2.499	10.0	20.1
11 7	0 30.37	+ 1 37.5	1.653	2.515	13.8	20.4

342711 2008 WH_3 10 7.5 202°.91 2°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.09	+14 11.6	1.846	2.634	16.5	21.0
9 8	1 14.60	+14 1.0	1.760	2.633	13.4	20.8
9 18	1 8.79	+13 32.3	1.693	2.632	9.8	20.6
9 28	1 1.18	+12 46.5	1.650	2.630	5.7	20.3
10 8	0 52.62	+11 47.6	1.633	2.629	2.3	20.1
10 18	0 44.11	+10 41.3	1.644	2.627	4.4	20.3
10 28	0 36.72	+ 9 35.5	1.683	2.626	8.5	20.5
11 7	0 31.26	+ 8 37.2	1.746	2.624	12.3	20.7

223526 2004 DX_{26} 10 7.5 117°.81 0°.3/ 7.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.79	+ 7 30.7	1.809	2.612	16.2	21.5
9 8	1 18.04	+ 7 6.6	1.741	2.629	12.8	21.4
9 18	1 10.95	+ 6 29.4	1.693	2.645	8.7	21.2
9 28	1 2.16	+ 5 42.3	1.671	2.660	4.3	20.9
10 8	0 52.58	+ 4 50.7	1.676	2.675	0.4	20.6
10 18	0 43.28	+ 4 0.7	1.710	2.690	4.9	21.0
10 28	0 35.26	+ 3 18.5	1.772	2.703	9.1	21.3
11 7	0 29.27	+ 2 48.7	1.858	2.717	12.7	21.6

470487 2008 BG_{27} 10 7.5 183°.79 4°.7/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.89	+18 23.2	1.597	2.371	19.2	21.5
9 8	1 18.13	+18 48.0	1.514	2.371	16.1	21.2
9 18	1 11.53	+18 51.6	1.448	2.371	12.3	21.0
9 28	1 2.66	+18 32.4	1.404	2.371	8.2	20.8
10 8	0 52.55	+17 51.7	1.384	2.371	5.0	20.6
10 18	0 42.47	+16 54.6	1.391	2.370	5.9	20.7
10 28	0 33.76	+15 49.5	1.424	2.369	9.6	20.9
11 7	0 27.43	+14 45.9	1.482	2.368	13.6	21.1

469725 2005 MM_{53} 10 7.5 45°.42 1°.0/ 8.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.76	+10 37.9	1.191	2.023	21.3	21.3
9 8	1 16.64	+10 24.8	1.143	2.045	16.9	21.0
9 18	1 10.43	+ 9 50.7	1.112	2.067	11.8	20.8
9 28	1 1.98	+ 8 59.3	1.102	2.091	6.1	20.6
10 8	0 52.60	+ 7 57.8	1.116	2.115	1.0	20.3
10 18	0 43.73	+ 6 55.3	1.155	2.139	5.6	20.7
10 28	0 36.68	+ 6 1.4	1.218	2.164	10.8	21.1
11 7	0 32.30	+ 5 22.9	1.303	2.189	15.1	21.4

63148 2000 XQ_{19} 10 7.5 17°.22 0°.2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.69	+ 6 42.8	1.983	2.789	14.9	18.8
9 8	1 15.59	+ 6 47.9	1.901	2.791	11.8	18.6
9 18	1 9.31	+ 6 42.8	1.841	2.792	8.2	18.4
9 28	1 1.40	+ 6 29.6	1.806	2.794	4.1	18.2
10 8	0 52.64	+ 6 11.6	1.798	2.797	0.2	17.9
10 18	0 43.97	+ 5 52.7	1.818	2.799	4.4	18.2
10 28	0 36.36	+ 5 37.7	1.866	2.802	8.4	18.5
11 7	0 30.54	+ 5 30.3	1.939	2.805	11.9	18.7

259630 2003 WB_{34} 10 7.5 221°.01 2°.3/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.24	+ 1 52.4	1.540	2.369	17.4	20.8
9 8	1 19.04	+ 1 33.5	1.462	2.367	13.7	20.6
9 18	1 12.06	+ 1 4.5	1.404	2.364	9.4	20.3
9 28	1 2.88	+ 0 30.2	1.370	2.361	4.7	20.1
10 8	0 52.56	− 0 3.4	1.362	2.358	2.5	19.9
10 18	0 42.35	− 0 29.8	1.381	2.355	6.7	20.2
10 28	0 33.55	− 0 43.3	1.426	2.352	11.3	20.4
11 7	0 27.09	− 0 40.5	1.494	2.349	15.4	20.7

341113 2007 LT_5 10 7.5 48°.33 1°.7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.13	+ 5 56.9	1.504	2.338	17.5	20.7
9 8	1 13.30	+ 5 1.5	1.441	2.348	13.7	20.5
9 18	1 7.96	+ 3 50.3	1.397	2.359	9.2	20.3
9 28	1 0.75	+ 2 29.3	1.377	2.369	4.4	20.1
10 8	0 52.68	+ 1 6.9	1.383	2.381	2.0	19.9
10 18	0 44.86	− 0 8.0	1.416	2.392	6.3	20.2
10 28	0 38.39	− 1 7.3	1.474	2.403	10.7	20.5
11 7	0 34.06	− 1 46.2	1.555	2.415	14.6	20.8

393140 2013 BY_{50} 10 7.5 55°.11 1°.3/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.82	+ 4 11.7	1.808	2.630	15.5	20.8
9 8	1 15.01	+ 3 50.6	1.737	2.637	12.2	20.6
9 18	1 8.95	+ 3 19.1	1.686	2.644	8.3	20.4
9 28	1 1.21	+ 2 40.9	1.660	2.651	4.0	20.2
10 8	0 52.66	+ 2 1.5	1.661	2.659	1.5	20.0
10 18	0 44.28	+ 1 26.3	1.689	2.666	5.3	20.3
10 28	0 37.08	+ 1 0.7	1.745	2.674	9.4	20.6
11 7	0 31.79	+ 0 48.2	1.825	2.682	12.9	20.8

85310 1994 WH_5 10 7.5 303°.80 0°.4/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 15.92	+ 9 13.8	1.706	2.522	16.5	21.0
9 8	1 13.26	+ 8 56.6	1.606	2.501	13.3	20.7
9 18	1 8.14	+ 8 23.1	1.527	2.480	9.4	20.4
9 28	1 1.00	+ 7 35.3	1.470	2.459	4.8	20.1
10 8	0 52.66	+ 6 38.1	1.440	2.439	0.4	19.7
10 18	0 44.19	+ 5 38.0	1.437	2.419	5.1	20.0
10 28	0 36.75	+ 4 42.9	1.459	2.399	9.9	20.3
11 7	0 31.31	+ 3 59.9	1.506	2.380	14.2	20.5

105837 2000 ST_{152} 10 7.5 323°.68 0°.1/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.97	+ 8 22.3	1.837	2.652	15.5	19.2
9 8	1 12.20	+ 8 5.1	1.746	2.640	12.4	19.0
9 18	1 7.20	+ 7 33.8	1.675	2.629	8.6	18.7
9 28	1 0.43	+ 6 50.9	1.628	2.617	4.4	18.4
10 8	0 52.70	+ 6 0.9	1.608	2.607	0.2	18.1
10 18	0 44.95	+ 5 9.9	1.614	2.596	4.7	18.4
10 28	0 38.20	+ 4 24.4	1.648	2.586	9.1	18.7
11 7	0 33.26	+ 3 50.3	1.706	2.577	12.9	18.9

145986 2000 AF_{225} 10 7.5 314°.88 1°.1/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.89	+ 9 27.4	1.310	2.142	19.6	20.2
9 8	1 14.84	+ 9 31.6	1.220	2.123	15.9	19.9
9 18	1 9.71	+ 9 17.7	1.147	2.104	11.4	19.6
9 28	1 1.96	+ 8 46.8	1.096	2.085	6.1	19.3
10 8	0 52.62	+ 8 3.4	1.068	2.067	1.1	18.9
10 18	0 43.08	+ 7 14.5	1.065	2.049	5.9	19.2
10 28	0 34.90	+ 6 29.4	1.085	2.033	11.6	19.4
11 7	0 29.32	+ 5 56.6	1.127	2.017	16.7	19.7

38280 1999 RO_{52} 10 7.5 73°.88 0°.9/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.58	+ 9 9.8	1.662	2.465	17.4	18.8
9 8	1 18.84	+ 9 14.5	1.600	2.485	13.8	18.6
9 18	1 11.59	+ 9 5.1	1.558	2.506	9.7	18.4
9 28	1 2.50	+ 8 43.8	1.540	2.527	5.1	18.2
10 8	0 52.61	+ 8 14.5	1.549	2.547	1.0	17.9
10 18	0 43.05	+ 7 42.6	1.585	2.568	4.7	18.3
10 28	0 34.92	+ 7 14.1	1.649	2.588	9.0	18.6
11 7	0 28.99	+ 6 54.1	1.737	2.608	12.8	18.8

361886 2008 FD_{79} 10 7.5 88°.33 0°.3/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.44	+ 8 58.8	2.195	2.991	13.9	21.9
9 8	1 13.49	+ 8 37.9	2.122	3.005	11.0	21.7
9 18	1 7.68	+ 8 4.9	2.070	3.019	7.6	21.5
9 28	1 0.51	+ 7 22.6	2.045	3.032	3.9	21.3
10 8	0 52.72	+ 6 35.0	2.047	3.046	0.3	21.0
10 18	0 45.09	+ 5 47.1	2.078	3.059	3.9	21.4
10 28	0 38.43	+ 5 4.1	2.138	3.073	7.5	21.6
11 7	0 33.35	+ 4 30.3	2.223	3.086	10.7	21.9

437883 2001 RR_{82} 10 7.5 28°.33 5°.0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.56	+19 20.4	1.644	2.419	18.7	20.5
9 8	1 14.51	+19 49.3	1.571	2.427	15.6	20.3
9 18	1 8.88	+19 57.0	1.515	2.436	12.1	20.1
9 28	1 1.28	+19 42.1	1.482	2.445	8.3	19.9
10 8	0 52.67	+19 6.5	1.472	2.455	5.4	19.7
10 18	0 44.21	+18 14.9	1.489	2.466	5.8	19.8
10 28	0 37.05	+17 15.2	1.531	2.477	8.9	20.0
11 7	0 32.07	+16 16.0	1.598	2.489	12.5	20.2

26117 1991 RX_{21} 10 7.5 311°.66 3°.9/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.39	− 1 52.1	2.178	3.015	12.7	17.7
9 8	1 9.71	− 3 10.3	2.094	3.005	9.9	17.5
9 18	1 5.22	− 4 36.5	2.034	2.995	6.8	17.3
9 28	0 59.36	− 6 4.5	2.000	2.985	4.3	17.2
10 8	0 52.77	− 7 27.2	1.995	2.976	4.4	17.2
10 18	0 46.23	− 8 37.8	2.017	2.967	7.1	17.3
10 28	0 40.50	− 9 30.8	2.066	2.958	10.2	17.5
11 7	0 36.25	−10 3.3	2.138	2.949	13.0	17.7

455417 2003 GN_{39} 10 7.5 99°.56 1°.4/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 7.95	+ 1 14.0	4.419	5.228	7.2	20.5
9 8	1 5.20	+ 0 24.4	4.336	5.232	5.6	20.4
9 18	1 1.60	− 0 29.3	4.279	5.235	3.7	20.3
9 28	0 57.39	− 1 24.6	4.250	5.239	2.0	20.2
10 8	0 52.89	− 2 18.9	4.252	5.243	1.6	20.1
10 18	0 48.43	− 3 9.3	4.285	5.247	3.1	20.3
10 28	0 44.35	− 3 53.4	4.347	5.251	5.0	20.4
11 7	0 40.96	− 4 29.3	4.437	5.254	6.6	20.5

83556 2001 SU_{183} 10 7.5 258°.71 3°.1/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.38	− 0 22.2	1.978	2.806	14.1	19.4
9 8	1 13.76	− 1 7.0	1.899	2.805	11.0	19.2
9 18	1 8.06	− 1 59.4	1.843	2.803	7.5	19.0
9 28	1 0.78	− 2 54.2	1.812	2.801	4.1	18.8
10 8	0 52.72	− 3 45.3	1.809	2.799	3.4	18.8
10 18	0 44.76	− 4 26.7	1.833	2.797	6.4	18.9
10 28	0 37.82	− 4 53.7	1.885	2.795	10.0	19.2
11 7	0 32.59	− 5 3.5	1.960	2.793	13.2	19.4

185205 2006 TZ_{43} 10 7.5 124.°50 1.°8/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 20.70	+14 17.6	1.772	2.557	17.2	21.0
9 8	1 16.59	+13 50.2	1.698	2.570	13.9	20.8
9 18	1 10.08	+13 3.2	1.644	2.584	9.9	20.6
9 28	1 1.80	+11 58.7	1.614	2.596	5.6	20.4
10 8	0 52.68	+10 42.0	1.612	2.608	1.9	20.1
10 18	0 43.78	+ 9 20.4	1.637	2.620	4.5	20.4
10 28	0 36.17	+ 8 2.3	1.690	2.631	8.7	20.6
11 7	0 30.60	+ 6 55.2	1.769	2.642	12.5	20.9

514684 2005 XA_{55} 10 7.5 299.°64 1.°1/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.10	+ 5 21.9	1.534	2.365	17.3	22.0
9 8	1 15.21	+ 5 1.0	1.444	2.349	13.8	21.7
9 18	1 9.60	+ 4 25.8	1.373	2.333	9.5	21.5
9 28	1 1.78	+ 3 40.0	1.326	2.317	4.7	21.1
10 8	0 52.67	+ 2 49.5	1.303	2.302	1.3	20.9
10 18	0 43.47	+ 2 1.7	1.307	2.286	6.1	21.2
10 28	0 35.50	+ 1 24.3	1.337	2.271	11.1	21.4
11 7	0 29.76	+ 1 2.9	1.389	2.257	15.5	21.6

443763 2015 ME_{31} 10 7.5 162.°50 2.°4/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.28	+ 3 16.5	1.780	2.605	15.5	20.9
9 8	1 14.69	+ 2 19.4	1.704	2.608	12.1	20.7
9 18	1 8.80	+ 1 10.0	1.650	2.610	8.2	20.4
9 28	1 1.19	− 0 6.0	1.621	2.612	4.1	20.2
10 8	0 52.72	− 1 21.2	1.620	2.614	2.8	20.1
10 18	0 44.39	− 2 27.9	1.646	2.615	6.4	20.4
10 28	0 37.22	− 3 19.5	1.699	2.617	10.4	20.6
11 7	0 31.96	− 3 51.9	1.775	2.618	13.9	20.8

342242 2008 SF_{279} 10 7.5 127.°53 2.°2/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.97	+ 1 8.9	1.850	2.669	15.3	20.9
9 8	1 18.21	+ 0 50.7	1.777	2.676	12.0	20.7
9 18	1 11.13	+ 0 25.0	1.726	2.683	8.2	20.5
9 28	1 2.32	− 0 4.2	1.699	2.689	4.1	20.3
10 8	0 52.67	− 0 31.7	1.700	2.696	2.4	20.2
10 18	0 43.21	− 0 52.5	1.730	2.702	5.8	20.4
10 28	0 34.97	− 1 2.3	1.787	2.707	9.7	20.7
11 7	0 28.72	− 0 58.6	1.868	2.713	13.2	20.9

434109 2002 OW_{13} 10 7.5 35.°96 5.°8/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.20	− 0 56.2	1.277	2.142	18.1	20.2
9 8	1 11.20	− 2 56.7	1.238	2.164	13.9	20.0
9 18	1 6.55	− 5 7.1	1.220	2.187	9.6	19.9
9 28	1 0.04	− 7 14.8	1.226	2.212	6.2	19.7
10 8	0 52.79	− 9 6.8	1.256	2.237	6.6	19.8
10 18	0 45.98	−10 32.8	1.312	2.262	10.0	20.1
10 28	0 40.69	−11 27.0	1.391	2.289	13.7	20.4
11 7	0 37.61	−11 49.2	1.490	2.315	17.0	20.7

370507 2003 SS_{128} 10 7.5 341.°88 3.°8/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.70	+17 20.9	1.270	2.081	21.3	20.6
9 8	1 13.08	+17 17.1	1.192	2.076	17.7	20.3
9 18	1 8.40	+16 45.5	1.130	2.071	13.3	20.0
9 28	1 1.25	+15 45.5	1.088	2.067	8.3	19.7
10 8	0 52.73	+14 21.8	1.069	2.063	4.1	19.5
10 18	0 44.25	+12 43.3	1.075	2.060	5.8	19.6
10 28	0 37.30	+11 3.2	1.105	2.058	10.7	19.9
11 7	0 32.96	+ 9 33.8	1.157	2.056	15.6	20.1

287195 2002 SW_{19} 10 7.5 29.°98 2.°1/ 7.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 54.59	− 6 58.9	1.064	1.875	24.6	18.5
9 8	1 43.84	− 4 57.7	1.020	1.911	19.4	18.3
9 18	1 28.81	− 2 50.2	0.996	1.948	13.3	18.1
9 28	1 10.91	− 0 37.9	0.998	1.986	6.7	17.9
10 8	0 52.30	+ 1 34.5	1.028	2.026	2.1	17.7
10 18	0 35.26	+ 3 41.4	1.089	2.067	7.3	18.2
10 28	0 21.57	+ 5 39.4	1.177	2.108	12.7	18.6
11 7	0 12.08	+ 7 28.2	1.290	2.150	17.0	19.0

393188 2013 CV_{132} 10 7.5 21.°64 0.°0/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.09	+ 8 19.7	1.659	2.480	16.7	20.6
9 8	1 13.17	+ 7 56.1	1.586	2.484	13.2	20.3
9 18	1 7.87	+ 7 17.2	1.532	2.488	9.1	20.1
9 28	1 0.77	+ 6 26.4	1.502	2.492	4.6	19.9
10 8	0 52.77	+ 5 29.3	1.498	2.497	0.3	19.5
10 18	0 44.93	+ 4 32.9	1.521	2.503	5.0	19.9
10 28	0 38.28	+ 3 44.3	1.571	2.509	9.4	20.2
11 7	0 33.63	+ 3 9.1	1.644	2.515	13.3	20.5

186713 2004 BT_{88} 10 7.5 136.°90 3.°3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.75	+17 45.6	1.889	2.652	17.0	20.9
9 8	1 17.38	+17 40.9	1.810	2.663	14.0	20.7
9 18	1 10.64	+17 16.4	1.750	2.674	10.5	20.5
9 28	1 2.11	+16 32.2	1.714	2.685	6.6	20.3
10 8	0 52.71	+15 31.7	1.704	2.695	3.6	20.2
10 18	0 43.48	+14 20.6	1.723	2.704	4.7	20.2
10 28	0 35.48	+13 6.8	1.770	2.713	8.2	20.5
11 7	0 29.47	+11 58.1	1.843	2.721	11.8	20.7

348757 2006 HS_{80} 10 7.5 137.°23 1.°1/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 20.09	+ 4 46.8	1.918	2.731	15.0	21.5
9 8	1 15.94	+ 4 24.5	1.841	2.736	11.8	21.3
9 18	1 9.59	+ 3 51.6	1.784	2.740	8.1	21.1
9 28	1 1.57	+ 3 11.7	1.753	2.744	3.9	20.9
10 8	0 52.74	+ 2 29.7	1.750	2.748	1.2	20.7
10 18	0 44.05	+ 1 51.2	1.775	2.752	5.1	21.0
10 28	0 36.46	+ 1 21.4	1.827	2.755	9.1	21.2
11 7	0 30.72	+ 1 4.1	1.904	2.758	12.6	21.4

410945 2009 ST_{296} 10 7.5 41.°51 1.°6/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.23	+ 0 55.5	1.891	2.708	15.1	20.7
9 8	1 18.28	+ 1 4.3	1.825	2.722	11.8	20.5
9 18	1 11.09	+ 1 7.4	1.780	2.737	8.0	20.3
9 28	1 2.28	+ 1 7.7	1.761	2.752	4.0	20.1
10 8	0 52.74	+ 1 8.9	1.770	2.767	1.7	20.0
10 18	0 43.46	+ 1 14.2	1.807	2.783	5.2	20.2
10 28	0 35.41	+ 1 26.8	1.872	2.799	9.0	20.5
11 7	0 29.31	+ 1 48.5	1.962	2.815	12.3	20.7

404484 2013 HH_{16} 10 7.5 100.°62 0.°7/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.38	+ 6 29.0	2.510	3.309	12.3	21.8
9 8	1 12.38	+ 5 50.5	2.440	3.327	9.6	21.7
9 18	1 6.79	+ 5 2.4	2.393	3.346	6.5	21.5
9 28	1 0.07	+ 4 8.0	2.374	3.364	3.1	21.3
10 8	0 52.84	+ 3 11.7	2.383	3.381	0.8	21.2
10 18	0 45.79	+ 2 18.2	2.422	3.399	3.9	21.4
10 28	0 39.58	+ 1 32.1	2.490	3.416	7.1	21.7
11 7	0 34.73	+ 0 56.7	2.585	3.433	9.9	21.9

18469 Hakodate 10 7.6 248.°90 0.°5/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.20	+ 6 11.0	2.206	3.012	13.6	19.3
9 8	1 13.48	+ 5 49.6	2.116	3.007	10.7	19.1
9 18	1 7.82	+ 5 17.8	2.049	3.002	7.3	18.9
9 28	1 0.70	+ 4 38.2	2.007	2.997	3.6	18.6
10 8	0 52.81	+ 3 55.1	1.994	2.992	0.7	18.4
10 18	0 44.96	+ 3 13.3	2.009	2.987	4.4	18.7
10 28	0 37.98	+ 2 38.0	2.052	2.982	8.1	18.9
11 7	0 32.57	+ 2 13.0	2.121	2.977	11.4	19.1

211095 2002 EL_{89} 10 7.6 134.°86 0.°2/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.60	+10 5.4	1.676	2.481	17.2	20.8
9 8	1 16.62	+ 9 13.5	1.604	2.492	13.6	20.6
9 18	1 10.18	+ 8 3.0	1.552	2.503	9.4	20.4
9 28	1 1.90	+ 6 38.4	1.525	2.514	4.7	20.1
10 8	0 52.76	+ 5 6.9	1.525	2.524	0.4	19.8
10 18	0 43.84	+ 3 37.3	1.553	2.533	5.2	20.2
10 28	0 36.25	+ 2 18.5	1.609	2.541	9.7	20.5
11 7	0 30.76	+ 1 16.9	1.689	2.549	13.6	20.8

328577 2009 SJ_{36} 10 7.6 296.°16 1.°3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.68	+13 23.2	2.276	3.061	13.8	20.9
9 8	1 10.72	+12 53.7	2.181	3.054	11.2	20.7
9 18	1 5.95	+12 8.4	2.107	3.047	8.0	20.5
9 28	0 59.77	+11 9.1	2.058	3.041	4.5	20.3
10 8	0 52.87	+ 9 59.9	2.036	3.034	1.4	20.0
10 18	0 45.98	+ 8 46.2	2.044	3.027	3.7	20.2
10 28	0 39.91	+ 7 34.5	2.080	3.021	7.3	20.4
11 7	0 35.31	+ 6 30.8	2.142	3.014	10.6	20.6

443288 2014 FB_{1} 10 7.6 138.°87 1.°2/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.87	+ 4 21.1	2.323	3.126	13.1	22.1
9 8	1 15.29	+ 3 50.5	2.248	3.138	10.2	21.9
9 18	1 8.88	+ 3 11.0	2.195	3.149	6.9	21.7
9 28	1 1.16	+ 2 26.1	2.169	3.159	3.4	21.5
10 8	0 52.81	+ 1 40.3	2.172	3.169	1.3	21.4
10 18	0 44.62	+ 0 58.4	2.204	3.179	4.5	21.6
10 28	0 37.36	+ 0 24.7	2.266	3.187	7.9	21.9
11 7	0 31.65	+ 0 2.4	2.353	3.196	10.9	22.1

73648 1979 ME_{6} 10 7.6 83.°48 4.°7/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.90	+19 27.1	1.433	2.213	20.7	20.2
9 8	1 17.47	+19 34.8	1.365	2.226	17.2	20.0
9 18	1 11.09	+19 16.8	1.313	2.239	13.1	19.8
9 28	1 2.47	+18 32.3	1.283	2.252	8.6	19.6
10 8	0 52.75	+17 25.0	1.277	2.265	5.1	19.4
10 18	0 43.29	+16 2.2	1.297	2.277	5.8	19.5
10 28	0 35.42	+14 34.7	1.342	2.290	9.7	19.8
11 7	0 30.08	+13 13.5	1.411	2.302	13.8	20.1

521933 2015 UH_{90} 10 7.6 283.°39 1.°5/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.17	+12 0.5	2.643	3.418	12.3	21.4
9 8	1 12.42	+12 3.4	2.541	3.409	10.0	21.2
9 18	1 6.99	+11 55.3	2.462	3.399	7.2	21.0
9 28	1 0.28	+11 37.1	2.408	3.389	4.1	20.8
10 8	0 52.86	+11 11.0	2.383	3.379	1.6	20.6
10 18	0 45.41	+10 40.0	2.387	3.369	3.4	20.8
10 28	0 38.66	+10 8.3	2.420	3.360	6.5	20.9
11 7	0 33.22	+ 9 40.1	2.480	3.350	9.5	21.1

292535 2006 TY_{45} 10 7.6 290°.35 0°.1/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.36	+ 8 7.7	2.005	2.813	14.7	21.5
9 8	1 13.04	+ 7 41.8	1.918	2.809	11.6	21.3
9 18	1 7.64	+ 7 2.5	1.852	2.805	8.1	21.0
9 28	1 0.66	+ 6 12.9	1.811	2.801	4.0	20.8
10 8	0 52.84	+ 5 17.6	1.798	2.797	0.3	20.5
10 18	0 45.07	+ 4 22.4	1.813	2.793	4.5	20.8
10 28	0 38.26	+ 3 33.6	1.855	2.789	8.5	21.1
11 7	0 33.15	+ 2 56.1	1.922	2.786	12.1	21.3

107332 2001 CX_{17} 10 7.6 250°.13 3°.5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.39	+20 15.6	2.203	2.949	15.4	19.6
9 8	1 13.92	+19 55.9	2.091	2.931	12.9	19.4
9 18	1 8.33	+19 15.4	1.998	2.913	9.9	19.2
9 28	1 1.06	+18 13.6	1.930	2.894	6.6	18.9
10 8	0 52.82	+16 53.1	1.888	2.875	3.8	18.7
10 18	0 44.49	+15 19.1	1.876	2.856	4.5	18.7
10 28	0 37.03	+13 39.3	1.892	2.835	7.7	18.9
11 7	0 31.23	+12 2.5	1.936	2.815	11.3	19.1

297022 2010 GM_{31} 10 7.6 217°.19 2°.6/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.85	+ 1 42.9	2.004	2.827	14.1	21.5
9 8	1 14.16	+ 0 51.5	1.920	2.822	11.1	21.3
9 18	1 8.39	− 0 9.8	1.858	2.817	7.5	21.0
9 28	1 1.02	− 1 15.9	1.823	2.812	3.9	20.8
10 8	0 52.82	− 2 20.4	1.815	2.807	2.9	20.7
10 18	0 44.69	− 3 16.9	1.835	2.802	6.1	20.9
10 28	0 37.55	− 3 59.5	1.883	2.796	9.8	21.1
11 7	0 32.11	− 4 24.9	1.954	2.790	13.1	21.3

213034 1997 WL_{5} 10 7.6 337°.90 1°.0/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.40	+11 37.8	1.848	2.651	15.9	20.7
9 8	1 12.50	+11 15.0	1.763	2.648	12.8	20.5
9 18	1 7.38	+10 35.2	1.698	2.645	9.1	20.3
9 28	1 0.56	+ 9 40.7	1.656	2.643	4.9	20.0
10 8	0 52.85	+ 8 36.2	1.642	2.640	1.1	19.7
10 18	0 45.19	+ 7 28.2	1.655	2.638	4.4	20.0
10 28	0 38.58	+ 6 24.3	1.695	2.636	8.6	20.2
11 7	0 33.79	+ 5 30.9	1.759	2.634	12.4	20.5

199665 2006 GX_{48} 10 7.6 260°.31 2°.9/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.02	+18 2.2	1.922	2.693	16.5	20.2
9 8	1 13.08	+17 35.1	1.821	2.681	13.7	19.9
9 18	1 7.87	+16 45.7	1.739	2.668	10.2	19.7
9 28	1 0.86	+15 34.5	1.681	2.655	6.4	19.4
10 8	0 52.84	+14 5.2	1.650	2.642	3.1	19.2
10 18	0 44.79	+12 24.6	1.646	2.629	4.5	19.3
10 28	0 37.73	+10 41.9	1.671	2.616	8.4	19.5
11 7	0 32.52	+ 9 6.4	1.721	2.602	12.3	19.7

438343 2006 RO 10 7.6 350°.61 5°.0/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 5.39	+18 47.0	1.190	2.016	21.7	19.8
9 8	1 5.92	+18 59.2	1.111	2.001	18.2	19.5
9 18	1 3.61	+18 41.8	1.047	1.988	14.0	19.2
9 28	0 58.94	+17 53.0	1.002	1.977	9.4	18.9
10 8	0 52.93	+16 36.3	0.978	1.968	5.4	18.7
10 18	0 46.88	+15 0.0	0.977	1.962	6.2	18.7
10 28	0 42.23	+13 17.3	0.998	1.957	10.6	18.9
11 7	0 40.05	+11 41.9	1.041	1.955	15.4	19.2

107493 2001 DE_{43} 10 7.6 85°.87 1°.0/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.51	+ 7 3.1	1.526	2.344	18.0	19.7
9 8	1 18.13	+ 6 20.2	1.471	2.368	14.1	19.5
9 18	1 11.16	+ 5 22.0	1.436	2.392	9.6	19.3
9 28	1 2.35	+ 4 13.7	1.426	2.416	4.6	19.1
10 8	0 52.79	+ 3 3.0	1.441	2.440	1.2	18.9
10 18	0 43.65	+ 1 57.8	1.485	2.463	5.7	19.3
10 28	0 36.03	+ 1 5.4	1.555	2.486	10.1	19.6
11 7	0 30.70	+ 0 30.5	1.648	2.508	13.9	19.9

260432 2004 XN_{109} 10 7.6 320°.92 3°.8/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.23	+19 10.1	2.182	2.939	15.2	20.1
9 8	1 12.13	+19 14.4	2.087	2.934	12.7	19.9
9 18	1 7.03	+19 0.8	2.012	2.929	9.7	19.7
9 28	1 0.37	+18 29.1	1.960	2.924	6.5	19.5
10 8	0 52.87	+17 41.3	1.934	2.919	4.0	19.3
10 18	0 45.38	+16 41.4	1.936	2.914	4.5	19.4
10 28	0 38.77	+15 35.7	1.965	2.910	7.4	19.5
11 7	0 33.79	+14 31.1	2.021	2.905	10.6	19.7

301350 2009 CE_{12} 10 7.6 351°.94 3°.1/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.29	+14 29.4	1.681	2.474	17.6	20.8
9 8	1 15.11	+14 48.3	1.598	2.472	14.5	20.6
9 18	1 9.38	+14 49.8	1.533	2.470	10.7	20.4
9 28	1 1.64	+14 33.6	1.490	2.468	6.6	20.1
10 8	0 52.82	+14 2.1	1.473	2.466	3.3	19.9
10 18	0 44.01	+13 20.1	1.483	2.466	4.9	20.0
10 28	0 36.41	+12 34.5	1.519	2.465	9.0	20.3
11 7	0 30.92	+11 52.9	1.579	2.465	12.9	20.5

488682 2003 UG_{334} 10 7.6 300°.42 2°.0/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 19.32	+11 42.1	2.226	3.008	14.2	21.6
9 8	1 15.32	+12 2.8	2.123	2.993	11.6	21.4
9 18	1 9.24	+12 12.1	2.041	2.979	8.4	21.2
9 28	1 1.51	+12 10.2	1.984	2.964	4.9	21.0
10 8	0 52.82	+11 58.9	1.954	2.950	2.1	20.7
10 18	0 44.03	+11 40.9	1.953	2.936	4.0	20.9
10 28	0 36.07	+11 20.7	1.981	2.921	7.6	21.1
11 7	0 29.73	+11 3.0	2.034	2.908	11.1	21.2

45669 2000 ET_{96} 10 7.6 232°.54 1°.4/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.04	+14 31.7	2.819	3.584	11.9	19.6
9 8	1 10.64	+14 1.4	2.715	3.575	9.7	19.5
9 18	1 5.70	+13 17.3	2.633	3.566	7.0	19.3
9 28	0 59.61	+12 20.9	2.577	3.556	4.0	19.1
10 8	0 52.92	+11 15.4	2.550	3.546	1.5	18.9
10 18	0 46.22	+10 5.1	2.554	3.536	3.2	19.0
10 28	0 40.19	+ 8 55.1	2.587	3.526	6.2	19.2
11 7	0 35.35	+ 7 50.5	2.648	3.515	9.0	19.4

285081 1991 FD_{1} 10 7.6 65°.64 2°.3/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 25.83	+11 53.2	1.156	1.975	22.5	20.5
9 8	1 21.64	+12 6.4	1.105	1.998	18.1	20.3
9 18	1 14.04	+11 58.2	1.071	2.020	12.9	20.0
9 28	1 3.92	+11 29.8	1.058	2.043	7.2	19.8
10 8	0 52.73	+10 46.6	1.069	2.066	2.4	19.6
10 18	0 42.09	+ 9 56.7	1.104	2.089	5.8	19.9
10 28	0 33.51	+ 9 9.9	1.165	2.112	11.0	20.2
11 7	0 27.92	+ 8 34.0	1.247	2.134	15.6	20.6

389449 2010 CG_{183} 10 7.6 208°.75 3°.3/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.13	+16 25.2	2.286	3.037	14.7	22.1
9 8	1 18.26	+16 45.6	2.186	3.031	12.2	21.9
9 18	1 11.23	+16 51.6	2.105	3.025	9.2	21.7
9 28	1 2.49	+16 42.7	2.050	3.018	6.0	21.5
10 8	0 52.79	+16 20.0	2.022	3.010	3.5	21.4
10 18	0 43.04	+15 46.4	2.024	3.002	4.4	21.4
10 28	0 34.19	+15 7.0	2.054	2.993	7.5	21.6
11 7	0 27.04	+14 27.7	2.112	2.983	10.8	21.8

241564 1981 ET_{11} 10 7.6 310°.50 6°.6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.33	+18 28.1	1.556	2.332	19.5	19.7
9 8	1 18.36	+19 37.8	1.447	2.304	16.7	19.4
9 18	1 12.29	+20 31.9	1.357	2.276	13.3	19.1
9 28	1 3.46	+21 6.1	1.287	2.248	9.6	18.8
10 8	0 52.74	+21 17.6	1.241	2.220	6.9	18.6
10 18	0 41.45	+21 6.8	1.220	2.193	7.5	18.6
10 28	0 31.23	+20 38.8	1.224	2.167	11.1	18.7
11 7	0 23.48	+20 2.4	1.251	2.141	15.3	18.9

473484 2015 XM_{84} 10 7.6 283°.79 1°.9/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.91	+16 24.6	2.440	3.208	13.5	21.4
9 8	1 10.04	+15 46.7	2.338	3.198	11.0	21.3
9 18	1 5.45	+14 51.4	2.258	3.189	8.1	21.1
9 28	0 59.54	+13 40.2	2.202	3.179	4.8	20.8
10 8	0 52.94	+12 16.7	2.175	3.170	2.0	20.6
10 18	0 46.35	+10 46.7	2.177	3.160	3.5	20.7
10 28	0 40.51	+ 9 16.8	2.208	3.150	6.9	20.9
11 7	0 36.06	+ 7 53.6	2.267	3.141	10.0	21.1

131507 2001 SC_{305} 10 7.6 333°.06 0°.6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.72	+ 8 59.8	1.118	1.964	21.4	20.9
9 8	1 15.05	+ 8 56.0	1.043	1.955	17.3	20.6
9 18	1 10.02	+ 8 31.5	0.985	1.946	12.2	20.2
9 28	1 2.21	+ 7 48.5	0.947	1.938	6.3	19.9
10 8	0 52.81	+ 6 53.2	0.932	1.931	0.6	19.5
10 18	0 43.40	+ 5 55.0	0.939	1.924	6.5	19.9
10 28	0 35.66	+ 5 4.7	0.970	1.918	12.4	20.2
11 7	0 30.82	+ 4 31.0	1.021	1.914	17.7	20.5

395251 2010 ON_{96} 10 7.6 47°.53 6°.5/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.94	− 8 2.0	1.732	2.582	14.8	19.8
9 8	1 12.72	− 9 31.5	1.687	2.601	11.7	19.6
9 18	1 7.34	−11 2.1	1.665	2.620	8.6	19.5
9 28	1 0.44	−12 25.0	1.668	2.639	6.7	19.4
10 8	0 52.90	−13 31.8	1.696	2.659	7.2	19.5
10 18	0 45.70	−14 16.4	1.751	2.680	9.5	19.7
10 28	0 39.71	−14 35.9	1.829	2.700	12.4	19.9
11 7	0 35.57	−14 30.6	1.929	2.721	15.0	20.1

68108 2000 YN_{132} 10 7.6 341°.61 9°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.84	+26 54.4	1.591	2.323	20.8	17.5
9 8	1 17.83	+28 24.0	1.504	2.316	18.4	17.3
9 18	1 11.76	+29 31.9	1.433	2.310	15.5	17.1
9 28	1 3.07	+30 11.7	1.382	2.304	12.6	16.9
10 8	0 52.77	+30 19.6	1.352	2.299	10.4	16.7
10 18	0 42.26	+29 55.8	1.346	2.295	9.9	16.7
10 28	0 33.09	+29 6.4	1.363	2.291	11.6	16.8
11 7	0 26.48	+28 1.6	1.404	2.288	14.4	16.9

473108 2015 HC_{173} 10 7.6 133°.26 1°.5/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 20.71	+12 37.5	1.865	2.652	16.3	22.1
9 8	1 16.55	+12 21.0	1.787	2.662	13.2	21.9
9 18	1 10.09	+11 47.6	1.730	2.671	9.4	21.6
9 28	1 1.89	+10 59.3	1.697	2.680	5.2	21.4
10 8	0 52.85	+10 0.4	1.691	2.689	1.5	21.2
10 18	0 43.97	+ 8 57.0	1.714	2.697	4.3	21.4
10 28	0 36.27	+ 7 56.4	1.764	2.704	8.4	21.7
11 7	0 30.52	+ 7 5.0	1.840	2.711	12.1	21.9

348362 2005 EQ_{243} 10 7.6 214°.85 0°.5/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.57	+ 8 11.9	2.387	3.170	13.3	21.9
9 8	1 17.62	+ 8 12.2	2.287	3.162	10.7	21.7
9 18	1 10.67	+ 8 2.6	2.210	3.154	7.5	21.5
9 28	1 2.18	+ 7 44.6	2.158	3.145	3.9	21.2
10 8	0 52.84	+ 7 20.8	2.136	3.135	0.5	20.9
10 18	0 43.47	+ 6 54.9	2.144	3.125	3.9	21.2
10 28	0 34.95	+ 6 31.2	2.182	3.114	7.5	21.4
11 7	0 28.00	+ 6 13.7	2.246	3.103	10.8	21.6

13857 Stafford 10 7.6 35°.07 3°.5/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.67	+ 0 20.5	1.428	2.275	17.5	17.6
9 8	1 14.63	− 0 25.3	1.371	2.286	13.6	17.4
9 18	1 8.97	− 1 20.7	1.334	2.298	9.3	17.1
9 28	1 1.36	− 2 19.0	1.320	2.310	5.0	16.9
10 8	0 52.88	− 3 11.9	1.331	2.323	3.9	16.9
10 18	0 44.72	− 3 52.1	1.368	2.337	7.5	17.2
10 28	0 38.01	− 4 13.8	1.430	2.351	11.7	17.4
11 7	0 33.53	− 4 15.0	1.514	2.365	15.4	17.7

227417 2005 UK_{513} 10 7.6 187°.62 0°.7/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.60	+10 24.9	2.020	2.811	15.2	21.8
9 8	1 16.37	+10 3.1	1.932	2.810	12.1	21.6
9 18	1 9.95	+ 9 26.6	1.864	2.810	8.5	21.4
9 28	1 1.84	+ 8 37.6	1.822	2.808	4.5	21.1
10 8	0 52.86	+ 7 40.4	1.807	2.806	0.7	20.8
10 18	0 43.94	+ 6 40.8	1.822	2.804	4.3	21.1
10 28	0 36.05	+ 5 45.3	1.865	2.800	8.4	21.4
11 7	0 29.96	+ 4 59.6	1.933	2.797	12.0	21.6

493532 2015 FJ_{115} 10 7.6 290°.36 1°.8/ 4.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.48	− 3 12.2	4.318	5.129	7.3	21.1
9 8	1 7.98	− 3 30.5	4.231	5.126	5.7	20.9
9 18	1 3.54	− 3 50.5	4.170	5.124	3.9	20.8
9 28	0 58.45	− 4 10.2	4.137	5.122	2.3	20.7
10 8	0 53.02	− 4 27.3	4.134	5.120	2.0	20.7
10 18	0 47.64	− 4 39.8	4.161	5.118	3.5	20.8
10 28	0 42.67	− 4 46.0	4.218	5.116	5.2	20.9
11 7	0 38.43	− 4 44.8	4.301	5.114	6.9	21.0

73235 2002 JM_{33} 10 7.6 150°.85 0°.3/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.91	+ 7 59.3	1.671	2.481	17.1	20.8
9 8	1 17.76	+ 7 29.6	1.595	2.487	13.5	20.6
9 18	1 11.06	+ 6 44.5	1.540	2.493	9.3	20.3
9 28	1 2.43	+ 5 47.6	1.509	2.499	4.6	20.1
10 8	0 52.84	+ 4 44.8	1.504	2.504	0.5	19.8
10 18	0 43.43	+ 3 43.5	1.528	2.508	5.3	20.2
10 28	0 35.32	+ 2 51.0	1.579	2.512	9.8	20.4
11 7	0 29.36	+ 2 13.0	1.653	2.515	13.8	20.7

171196 2005 JO_{31} 10 7.6 151°.34 0°.1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.19	+ 7 30.6	2.252	3.044	13.7	20.8
9 8	1 16.50	+ 7 23.0	2.169	3.051	10.9	20.6
9 18	1 9.84	+ 7 5.2	2.109	3.056	7.5	20.4
9 28	1 1.73	+ 6 39.2	2.074	3.062	3.8	20.2
10 8	0 52.89	+ 6 8.5	2.068	3.067	0.2	19.9
10 18	0 44.15	+ 5 37.2	2.092	3.072	4.0	20.2
10 28	0 36.38	+ 5 10.0	2.144	3.076	7.7	20.4
11 7	0 30.23	+ 4 50.5	2.222	3.080	10.9	20.7

58366 1995 OD_{8} 10 7.6 307°.99 1°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 8.55	+ 3 5.1	4.188	4.991	7.7	20.2
9 8	1 5.78	+ 2 30.0	4.095	4.987	5.9	20.1
9 18	1 2.10	+ 1 50.0	4.027	4.982	4.0	20.0
9 28	0 57.75	+ 1 7.4	3.988	4.978	2.0	19.8
10 8	0 53.07	+ 0 24.6	3.978	4.974	1.1	19.7
10 18	0 48.41	− 0 15.7	3.999	4.969	2.9	19.9
10 28	0 44.14	− 0 51.0	4.049	4.965	4.9	20.0
11 7	0 40.60	− 1 19.2	4.127	4.961	6.8	20.2

513223 2005 UR_{370} 10 7.6 272°.31 2°.9/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.79	+ 1 3.9	1.701	2.532	15.9	22.0
9 8	1 16.27	+ 0 25.7	1.610	2.516	12.6	21.8
9 18	1 10.22	− 0 23.1	1.540	2.500	8.6	21.5
9 28	1 2.12	− 1 17.3	1.494	2.484	4.6	21.2
10 8	0 52.87	− 2 10.1	1.474	2.467	3.2	21.1
10 18	0 43.55	− 2 54.2	1.481	2.451	7.0	21.3
10 28	0 35.35	− 3 23.3	1.515	2.434	11.3	21.5
11 7	0 29.21	− 3 33.5	1.571	2.417	15.2	21.7

298521 2003 WC_{38} 10 7.6 310°.38 11°.1/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 18.45	+38 23.4	1.963	2.598	20.0	20.0
9 8	1 15.58	+39 18.6	1.870	2.594	18.3	19.9
9 18	1 9.95	+39 46.3	1.791	2.590	16.3	19.7
9 28	1 2.06	+39 40.8	1.730	2.587	14.1	19.6
10 8	0 52.88	+38 58.8	1.688	2.583	12.2	19.4
10 18	0 43.66	+37 41.2	1.669	2.580	11.2	19.4
10 28	0 35.71	+35 54.1	1.674	2.576	11.5	19.4
11 7	0 30.08	+33 48.6	1.703	2.573	13.0	19.5

479543 2014 BR_{46} 10 7.6 312°.46 2°.6/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.49	+12 14.2	1.472	2.284	18.9	21.2
9 8	1 15.84	+12 33.9	1.379	2.267	15.5	20.9
9 18	1 10.29	+12 36.1	1.304	2.250	11.3	20.6
9 28	1 2.32	+12 20.7	1.251	2.234	6.7	20.3
10 8	0 52.87	+11 50.2	1.222	2.219	2.7	20.1
10 18	0 43.25	+11 9.6	1.219	2.203	5.4	20.2
10 28	0 34.88	+10 26.9	1.241	2.189	10.4	20.4
11 7	0 28.90	+ 9 50.4	1.286	2.175	15.0	20.7

378055 2006 TN_{64} 10 7.6 106°.57 4°.2/11.0 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.41	+17 40.5	1.559	2.337	19.4	21.4
9 8	1 18.50	+17 57.1	1.485	2.346	16.1	21.2
9 18	1 11.78	+17 51.8	1.428	2.355	12.1	21.0
9 28	1 2.87	+17 24.0	1.394	2.364	7.9	20.7
10 8	0 52.86	+16 36.2	1.384	2.373	4.5	20.6
10 18	0 43.02	+15 34.2	1.401	2.382	5.5	20.7
10 28	0 34.64	+14 27.1	1.444	2.390	9.4	20.9
11 7	0 28.65	+13 24.0	1.512	2.398	13.4	21.2

390889 2004 XS_{110} 10 7.6 299°.59 0°.4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.35	+ 7 53.9	1.638	2.455	17.1	21.1
9 8	1 16.24	+ 7 54.9	1.536	2.430	13.8	20.9
9 18	1 10.43	+ 7 42.0	1.453	2.406	9.7	20.6
9 28	1 2.36	+ 7 16.9	1.393	2.382	5.1	20.2
10 8	0 52.88	+ 6 43.3	1.359	2.358	0.4	19.8
10 18	0 43.15	+ 6 6.8	1.351	2.334	5.3	20.1
10 28	0 34.50	+ 5 34.4	1.370	2.310	10.3	20.4
11 7	0 27.99	+ 5 12.4	1.411	2.286	14.9	20.6

174382 2002 VE_{8} 10 7.6 343°.46 3°.6/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.91	+14 8.7	1.514	2.319	18.7	19.9
9 8	1 14.41	+14 40.1	1.428	2.310	15.5	19.6
9 18	1 9.16	+14 53.8	1.361	2.301	11.5	19.4
9 28	1 1.68	+14 49.0	1.315	2.293	7.2	19.1
10 8	0 52.91	+14 27.4	1.294	2.286	3.8	18.9
10 18	0 44.09	+13 53.5	1.297	2.280	5.4	19.0
10 28	0 36.52	+13 14.5	1.326	2.275	9.7	19.2
11 7	0 31.25	+12 38.4	1.378	2.271	13.9	19.5

123905 2001 DR_{76} 10 7.6 209°.93 5°.8/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.86	−12 7.1	2.569	3.397	11.2	20.2
9 8	1 12.89	−13 11.1	2.497	3.394	9.0	20.0
9 18	1 7.27	−14 14.2	2.449	3.390	7.0	19.9
9 28	1 0.42	−15 10.4	2.427	3.386	5.8	19.8
10 8	0 52.98	−15 54.3	2.434	3.382	6.3	19.9
10 18	0 45.63	−16 21.7	2.467	3.377	8.1	20.0
10 28	0 39.07	−16 30.2	2.527	3.373	10.2	20.1
11 7	0 33.88	−16 19.5	2.609	3.368	12.4	20.3

176156 2001 GZ_{10} 10 7.6 111°.53 3°.9/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 24.65	− 1 59.6	1.730	2.555	15.9	21.0
9 8	1 19.55	− 2 46.9	1.672	2.574	12.4	20.8
9 18	1 12.04	− 3 40.3	1.636	2.593	8.5	20.6
9 28	1 2.82	− 4 33.3	1.625	2.611	4.9	20.5
10 8	0 52.88	− 5 19.1	1.642	2.629	4.2	20.5
10 18	0 43.30	− 5 51.6	1.686	2.646	7.3	20.7
10 28	0 35.11	− 6 6.9	1.757	2.662	10.9	20.9
11 7	0 29.03	− 6 3.6	1.851	2.678	14.1	21.2

144943 2005 EG_{24} 10 7.6 64°.23 5°.6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.07	− 1 7.7	1.262	2.117	19.0	19.0
9 8	1 16.59	− 2 52.0	1.224	2.143	14.6	18.8
9 18	1 10.26	− 4 45.4	1.206	2.170	10.0	18.6
9 28	1 1.96	− 6 36.5	1.211	2.197	6.3	18.5
10 8	0 52.92	− 8 12.8	1.242	2.224	6.3	18.6
10 18	0 44.45	− 9 24.8	1.297	2.251	9.7	18.9
10 28	0 37.71	−10 7.2	1.377	2.278	13.6	19.2
11 7	0 33.43	−10 19.8	1.477	2.304	17.0	19.5

257977 2001 CD_{48} 10 7.6 212°.54 6°.4/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.63	−16 37.7	2.871	3.691	10.4	21.0
9 8	1 13.35	−17 45.7	2.799	3.684	8.6	20.9
9 18	1 7.51	−18 50.4	2.752	3.677	7.1	20.7
9 28	1 0.53	−19 46.1	2.731	3.669	6.4	20.7
10 8	0 52.98	−20 27.8	2.738	3.660	7.0	20.7
10 18	0 45.50	−20 51.8	2.772	3.651	8.4	20.8
10 28	0 38.75	−20 56.2	2.831	3.642	10.3	20.9
11 7	0 33.27	−20 41.1	2.913	3.632	12.0	21.0

260446 2004 YQ_3 10 7.6 343°.34 8°.2/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.70	−12 55.8	1.690	2.545	14.9	19.3
9 8	1 12.16	−14 11.1	1.623	2.534	12.2	19.1
9 18	1 7.26	−15 24.9	1.577	2.524	9.6	18.9
9 28	1 0.57	−16 28.2	1.555	2.515	8.3	18.8
10 8	0 52.97	−17 12.4	1.557	2.507	9.0	18.9
10 18	0 45.50	−17 31.3	1.584	2.500	11.3	19.0
10 28	0 39.18	−17 22.0	1.633	2.493	14.1	19.2
11 7	0 34.81	−16 45.4	1.702	2.488	16.9	19.3

444585 2006 UU_{18} 10 7.6 16°.87 3°.3/10.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.22	+17 12.4	1.247	2.068	21.1	20.2
9 8	1 9.34	+16 57.5	1.188	2.078	17.3	20.0
9 18	1 5.65	+16 14.5	1.146	2.090	12.8	19.8
9 28	0 59.83	+15 5.2	1.124	2.104	7.8	19.5
10 8	0 53.01	+13 36.2	1.124	2.119	3.6	19.3
10 18	0 46.45	+11 57.9	1.150	2.135	5.3	19.5
10 28	0 41.40	+10 22.4	1.199	2.153	9.9	19.8
11 7	0 38.68	+ 9 0.4	1.271	2.173	14.2	20.1

516093 2015 TN_{364} 10 7.6 33°.06 3°.2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.94	+ 0 3.3	2.080	2.912	13.4	21.1
9 8	1 10.96	− 1 0.4	2.009	2.917	10.4	20.9
9 18	1 6.11	− 2 12.2	1.960	2.921	7.0	20.7
9 28	0 59.89	− 3 26.4	1.938	2.926	4.0	20.5
10 8	0 53.01	− 4 36.3	1.944	2.932	3.6	20.5
10 18	0 46.27	− 5 35.7	1.977	2.937	6.3	20.7
10 28	0 40.45	− 6 19.5	2.037	2.943	9.6	20.9
11 7	0 36.18	− 6 45.0	2.121	2.949	12.5	21.1

433679 2014 EY_{22} 10 7.6 191°.48 0°.1/ 7.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.69	+ 6 43.1	4.647	5.431	7.3	21.9
9 8	1 6.56	+ 6 28.1	4.552	5.431	5.7	21.8
9 18	1 2.58	+ 6 8.1	4.483	5.430	3.9	21.7
9 28	0 58.00	+ 5 44.4	4.441	5.429	1.9	21.5
10 8	0 53.10	+ 5 19.0	4.430	5.429	0.1	21.3
10 18	0 48.23	+ 4 53.6	4.449	5.428	2.1	21.6
10 28	0 43.73	+ 4 30.3	4.498	5.427	4.1	21.7
11 7	0 39.89	+ 4 11.1	4.576	5.426	5.9	21.8

320185 2007 GZ_{39} 10 7.6 198°.12 0°.8/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.65	+11 56.2	2.586	3.366	12.5	21.0
9 8	1 11.22	+11 21.9	2.492	3.365	10.0	20.9
9 18	1 6.17	+10 34.4	2.421	3.363	7.0	20.7
9 28	0 59.91	+ 9 35.7	2.376	3.361	3.8	20.5
10 8	0 53.03	+ 8 29.8	2.360	3.358	0.8	20.2
10 18	0 46.19	+ 7 21.3	2.374	3.356	3.4	20.4
10 28	0 40.10	+ 6 15.8	2.417	3.353	6.7	20.6
11 7	0 35.31	+ 5 18.3	2.486	3.350	9.7	20.8

225349 1998 TS_8 10 7.6 31°.47 1°.9/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.51	+ 2 42.7	1.273	2.117	19.5	20.8
9 8	1 18.10	+ 2 33.5	1.212	2.124	15.3	20.6
9 18	1 11.63	+ 2 12.9	1.169	2.132	10.4	20.3
9 28	1 2.82	+ 1 45.7	1.149	2.141	5.2	20.1
10 8	0 52.91	+ 1 18.4	1.153	2.151	2.1	19.9
10 18	0 43.31	+ 0 57.8	1.182	2.161	6.8	20.2
10 28	0 35.39	+ 0 49.7	1.236	2.171	11.7	20.6
11 7	0 30.10	+ 0 57.6	1.311	2.182	16.0	20.9

200486 2000 YK_{38} 10 7.6 312°.78 4°.9/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.68	+17 58.8	1.551	2.339	19.1	19.4
9 8	1 14.40	+18 27.8	1.452	2.318	16.1	19.1
9 18	1 9.32	+18 36.1	1.370	2.298	12.5	18.8
9 28	1 1.87	+18 21.4	1.310	2.279	8.4	18.6
10 8	0 52.94	+17 44.2	1.272	2.260	5.2	18.3
10 18	0 43.77	+16 48.8	1.260	2.241	6.1	18.3
10 28	0 35.76	+15 43.4	1.274	2.223	10.0	18.5
11 7	0 30.05	+14 38.0	1.310	2.205	14.4	18.7

14517 Monitoma 10 7.6 91°.22 2°.9/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.38	+19 2.3	2.025	2.786	16.1	18.5
9 8	1 13.02	+18 29.9	1.947	2.799	13.2	18.4
9 18	1 7.60	+17 36.4	1.888	2.812	9.9	18.2
9 28	1 0.67	+16 23.3	1.854	2.825	6.2	18.0
10 8	0 53.03	+14 54.9	1.847	2.838	3.2	17.8
10 18	0 45.57	+13 18.0	1.868	2.850	4.1	17.9
10 28	0 39.18	+11 41.0	1.918	2.863	7.5	18.1
11 7	0 34.53	+10 11.8	1.995	2.875	10.9	18.4

26292 1998 SJ_{109} 10 7.6 312°.71 2°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.11	+17 56.8	1.671	2.460	17.9	18.3
9 8	1 10.43	+17 20.0	1.569	2.441	14.8	18.0
9 18	1 6.33	+16 16.6	1.486	2.422	11.1	17.8
9 28	1 0.26	+14 47.0	1.426	2.404	6.8	17.5
10 8	0 53.05	+12 56.1	1.391	2.386	3.0	17.2
10 18	0 45.75	+10 52.6	1.383	2.368	4.8	17.3
10 28	0 39.51	+ 8 48.3	1.402	2.351	9.3	17.5
11 7	0 35.27	+ 6 54.8	1.446	2.334	13.7	17.7

382426 1999 AO_{14} 10 7.6 197°.61 2°.8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 20.12	+ 1 10.2	1.877	2.701	14.9	22.1
9 8	1 16.12	+ 0 21.7	1.797	2.699	11.7	21.8
9 18	1 9.86	− 0 36.3	1.738	2.697	8.0	21.6
9 28	1 1.87	− 1 38.8	1.704	2.694	4.2	21.4
10 8	0 52.99	− 2 39.0	1.699	2.691	3.2	21.3
10 18	0 44.20	− 3 30.1	1.721	2.687	6.5	21.5
10 28	0 36.50	− 4 6.5	1.770	2.683	10.3	21.7
11 7	0 30.68	− 4 24.9	1.843	2.679	13.8	22.0

486614 2013 KN_{16} 10 7.6 44°.83 8°.0/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.04	−17 21.0	2.157	2.990	12.9	20.5
9 8	1 14.09	−18 31.2	2.104	2.996	10.7	20.4
9 18	1 8.20	−19 35.6	2.074	3.002	8.9	20.3
9 28	1 0.92	−20 27.1	2.068	3.008	8.0	20.2
10 8	0 53.03	−20 59.5	2.088	3.014	8.6	20.3
10 18	0 45.36	−21 8.8	2.134	3.020	10.3	20.4
10 28	0 38.73	−20 54.0	2.203	3.026	12.4	20.6
11 7	0 33.76	−20 16.5	2.293	3.033	14.4	20.7

135800 2002 RE_{116} 10 7.6 12°.12 0°.1/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.64	+ 4 54.1	1.583	2.404	17.3	19.7
9 8	1 18.55	+ 5 13.4	1.508	2.406	13.8	19.5
9 18	1 11.76	+ 5 23.1	1.452	2.408	9.6	19.2
9 28	1 2.89	+ 5 25.1	1.421	2.411	4.8	19.0
10 8	0 52.95	+ 5 22.8	1.415	2.414	0.3	18.6
10 18	0 43.13	+ 5 20.5	1.437	2.418	5.2	19.0
10 28	0 34.68	+ 5 22.7	1.485	2.423	9.9	19.3
11 7	0 28.50	+ 5 33.2	1.556	2.428	13.9	19.6

25681 2000 AC_{107} 10 7.6 130°.75 5°.3/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.11	−10 59.4	2.701	3.528	10.8	18.8
9 8	1 12.14	−12 10.8	2.642	3.539	8.6	18.6
9 18	1 6.67	−13 21.4	2.607	3.549	6.5	18.5
9 28	1 0.11	−14 25.8	2.599	3.560	5.4	18.5
10 8	0 53.07	−15 18.5	2.619	3.569	5.8	18.5
10 18	0 46.17	−15 55.7	2.668	3.579	7.5	18.6
10 28	0 40.05	−16 14.9	2.743	3.588	9.5	18.8
11 7	0 35.22	−16 15.8	2.840	3.597	11.5	19.0

342748 2008 WU_{65} 10 7.6 36°.15 3°.9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.72	− 1 21.3	1.282	2.134	18.9	19.1
9 8	1 17.23	− 1 51.1	1.233	2.151	14.7	18.9
9 18	1 10.84	− 2 28.2	1.204	2.168	10.0	18.7
9 28	1 2.35	− 3 5.7	1.197	2.187	5.5	18.5
10 8	0 52.98	− 3 35.9	1.215	2.206	4.3	18.5
10 18	0 44.09	− 3 52.4	1.257	2.226	7.9	18.8
10 28	0 36.89	− 3 50.9	1.324	2.247	12.2	19.1
11 7	0 32.20	− 3 30.4	1.412	2.268	16.0	19.4

515527 2014 FJ_{73} 10 7.6 200°.18 0°.5/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.03	+ 9 42.3	2.156	2.948	14.3	22.3
9 8	1 15.03	+ 9 22.4	2.065	2.945	11.4	22.1
9 18	1 9.00	+ 8 49.3	1.996	2.943	8.0	21.9
9 28	1 1.43	+ 8 5.1	1.952	2.939	4.2	21.7
10 8	0 53.03	+ 7 13.9	1.937	2.936	0.5	21.4
10 18	0 44.67	+ 6 20.8	1.950	2.932	4.1	21.7
10 28	0 37.24	+ 5 31.6	1.992	2.927	8.0	21.9
11 7	0 31.45	+ 4 51.5	2.059	2.922	11.4	22.1

1688 Wilkens 10 7.6 59°.87 5°.7/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.15	+24 20.7	1.606	2.354	20.1	16.5
9 8	1 15.72	+24 19.0	1.546	2.380	16.9	16.3
9 18	1 9.68	+23 49.8	1.503	2.407	13.3	16.2
9 28	1 1.76	+22 52.5	1.480	2.433	9.4	16.0
10 8	0 53.02	+21 30.8	1.483	2.460	6.3	15.9
10 18	0 44.66	+19 52.1	1.511	2.486	6.1	15.9
10 28	0 37.79	+18 7.0	1.567	2.513	8.8	16.2
11 7	0 33.16	+16 26.4	1.647	2.539	12.1	16.4

447305 2005 WA_{142} 10 7.6 325°.33 1°.8/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.64	+ 2 44.0	1.949	2.773	14.4	20.9
9 8	1 13.37	+ 2 18.2	1.863	2.766	11.3	20.7
9 18	1 7.97	+ 1 43.1	1.799	2.758	7.7	20.4
9 28	1 0.95	+ 1 2.5	1.760	2.751	3.9	20.2
10 8	0 53.05	+ 0 21.7	1.748	2.745	2.0	20.0
10 18	0 45.20	− 0 13.9	1.764	2.738	5.5	20.3
10 28	0 38.32	− 0 39.0	1.807	2.732	9.4	20.5
11 7	0 33.16	− 0 50.3	1.874	2.726	12.8	20.7

302760 2002 VO_{63} 10 7.6 320°.23 5°.5/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.15	+21 7.0	1.625	2.400	18.9	19.7
9 8	1 11.51	+21 22.4	1.522	2.377	16.1	19.5
9 18	1 7.27	+21 13.7	1.435	2.354	12.7	19.2
9 28	1 0.83	+20 38.4	1.369	2.332	9.0	18.9
10 8	0 53.05	+19 37.2	1.327	2.310	5.9	18.7
10 18	0 45.06	+18 14.9	1.310	2.289	6.2	18.7
10 28	0 38.15	+16 40.6	1.318	2.269	9.6	18.8
11 7	0 33.38	+15 5.9	1.350	2.249	13.8	19.0

472851 2015 FE_{287} 10 7.6 89°.46 9°.3/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 18.13	−14 15.9	1.674	2.523	15.3	20.7
9 8	1 14.71	−16 17.8	1.629	2.533	12.5	20.5
9 18	1 8.90	−18 16.3	1.606	2.543	10.2	20.4
9 28	1 1.36	−20 0.1	1.607	2.554	9.3	20.4
10 8	0 53.04	−21 19.4	1.634	2.564	10.3	20.5
10 18	0 45.02	−22 7.6	1.686	2.574	12.4	20.6
10 28	0 38.31	−22 22.8	1.759	2.584	14.9	20.8
11 7	0 33.63	−22 7.1	1.851	2.594	17.2	21.0

263831 2008 SR_{254} 10 7.6 9°.71 2°.9/13.2 18

8 29	1 10.18	+22 9.9	4.142	4.851	9.2	19.9
9 8	1 7.18	+22 10.3	4.042	4.851	7.8	19.8
9 18	1 3.14	+22 0.0	3.963	4.852	6.1	19.7
9 28	0 58.35	+21 39.1	3.909	4.853	4.4	19.6
10 8	0 53.17	+21 8.8	3.883	4.854	3.1	19.5
10 18	0 48.02	+20 30.8	3.886	4.855	3.1	19.5
10 28	0 43.30	+19 47.9	3.920	4.856	4.4	19.6
11 7	0 39.39	+19 3.3	3.981	4.857	6.0	19.7

89390 2001 VC_{108} 10 7.6 81°.88 0°.5/ 7.1 18

8 29	1 18.16	+ 6 23.2	2.038	2.846	14.4	20.0
9 8	1 14.37	+ 6 3.1	1.960	2.851	11.4	19.8
9 18	1 8.53	+ 5 32.0	1.903	2.856	7.8	19.6
9 28	1 1.17	+ 4 52.7	1.872	2.862	3.8	19.4
10 8	0 53.06	+ 4 10.0	1.868	2.867	0.6	19.2
10 18	0 45.07	+ 3 28.9	1.893	2.872	4.5	19.5
10 28	0 38.09	+ 2 54.7	1.945	2.877	8.4	19.7
11 7	0 32.80	+ 2 31.3	2.023	2.882	11.7	19.9

254940 2005 SO_{161} 10 7.6 350°.03 0°.5/ 8.0 17

8 29	1 16.49	+ 9 6.9	1.892	2.700	15.4	21.5
9 8	1 13.33	+ 8 53.7	1.808	2.698	12.3	21.3
9 18	1 7.98	+ 8 26.8	1.745	2.696	8.6	21.1
9 28	1 0.97	+ 7 48.4	1.706	2.694	4.5	20.8
10 8	0 53.07	+ 7 2.8	1.694	2.693	0.5	20.5
10 18	0 45.24	+ 6 15.5	1.709	2.691	4.4	20.8
10 28	0 38.43	+ 5 32.8	1.751	2.691	8.6	21.1
11 7	0 33.40	+ 5 0.0	1.819	2.690	12.2	21.3

260392 2004 VL_{74} 10 7.6 21°.23 3°.8/ 4.1 18

8 29	1 15.70	− 2 1.8	1.801	2.642	14.7	19.2
9 8	1 12.63	− 2 48.0	1.736	2.648	11.5	19.0
9 18	1 7.41	− 3 40.5	1.693	2.655	7.9	18.8
9 28	1 0.62	− 4 33.1	1.675	2.662	4.6	18.6
10 8	0 53.09	− 5 19.3	1.683	2.670	4.2	18.6
10 18	0 45.75	− 5 53.2	1.718	2.679	7.1	18.8
10 28	0 39.52	− 6 10.6	1.779	2.688	10.5	19.1
11 7	0 35.09	− 6 9.4	1.862	2.697	13.7	19.3

443333 2014 GE_{1} 10 7.6 21°.26 0°.3/ 7.9 17

8 29	1 9.39	+20 51.6	0.922	1.756	25.9	20.5
9 8	1 9.69	+18 26.1	0.855	1.758	21.0	20.2
9 18	1 6.47	+15 2.4	0.805	1.761	14.9	19.9
9 28	1 0.48	+10 48.1	0.775	1.765	7.7	19.5
10 8	0 53.10	+ 6 5.9	0.770	1.769	0.3	19.0
10 18	0 46.03	+ 1 28.3	0.791	1.774	7.8	19.6
10 28	0 40.88	− 2 32.8	0.837	1.780	14.7	20.0
11 7	0 38.68	− 5 38.7	0.903	1.786	20.4	20.4

273692 2007 EY_{32} 10 7.6 164°.72 1°.8/ 5.9 18

8 29	1 20.83	+ 3 36.4	1.940	2.754	14.9	21.5
9 8	1 16.57	+ 2 57.6	1.862	2.758	11.7	21.3
9 18	1 10.10	+ 2 8.3	1.806	2.762	7.9	21.0
9 28	1 1.99	+ 1 12.8	1.775	2.765	3.9	20.8
10 8	0 53.06	+ 0 17.0	1.772	2.768	2.0	20.7
10 18	0 44.25	− 0 33.0	1.797	2.770	5.5	20.9
10 28	0 36.54	− 1 11.5	1.851	2.772	9.4	21.2
11 7	0 30.67	− 1 34.8	1.928	2.773	12.9	21.4

133350 2003 SM_{117} 10 7.6 204°.41 0°.2/ 7.8 18

8 29	1 20.57	+ 6 33.4	2.545	3.334	12.4	19.7
9 8	1 15.88	+ 6 40.0	2.453	3.333	9.9	19.5
9 18	1 9.41	+ 6 38.8	2.384	3.331	6.8	19.3
9 28	1 1.59	+ 6 31.2	2.342	3.329	3.5	19.1
10 8	0 53.07	+ 6 19.8	2.328	3.328	0.2	18.8
10 18	0 44.59	+ 6 7.5	2.345	3.326	3.6	19.1
10 28	0 36.90	+ 5 57.7	2.391	3.324	7.0	19.3
11 7	0 30.64	+ 5 53.5	2.464	3.322	10.0	19.5

180936 2005 LM_{40} 10 7.6 126°.94 0°.2/ 7.7 17

8 29	1 21.43	+ 9 24.9	1.728	2.532	16.8	21.2
9 8	1 17.28	+ 8 55.4	1.656	2.543	13.4	21.0
9 18	1 10.70	+ 8 9.9	1.604	2.554	9.3	20.8
9 28	1 2.31	+ 7 11.6	1.576	2.564	4.7	20.5
10 8	0 53.04	+ 6 6.5	1.575	2.574	0.2	20.2
10 18	0 43.99	+ 5 1.5	1.602	2.584	4.9	20.6
10 28	0 36.21	+ 4 4.1	1.657	2.593	9.3	20.9
11 7	0 30.50	+ 3 20.1	1.737	2.601	13.1	21.1

90210 2003 AT_{79} 10 7.6 325°.15 6°.4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 21.59	− 8 58.7	1.579	2.424	16.3	18.8
9 8	1 17.93	− 9 25.7	1.495	2.405	13.1	18.5
9 18	1 11.51	− 9 52.7	1.432	2.387	9.7	18.3
9 28	1 2.88	−10 12.5	1.391	2.370	6.9	18.1
10 8	0 53.02	−10 18.0	1.376	2.353	6.8	18.1
10 18	0 43.15	−10 3.6	1.387	2.336	9.6	18.2
10 28	0 34.57	− 9 26.6	1.422	2.321	13.4	18.4
11 7	0 28.26	− 8 27.6	1.478	2.306	17.0	18.6

393310 2013 YC_{132} 10 7.6 206°.29 1°.4/ 6.5 18

8 29	1 22.20	+ 3 41.7	1.857	2.671	15.4	21.2
9 8	1 17.84	+ 3 24.0	1.773	2.668	12.2	21.0
9 18	1 11.12	+ 2 56.5	1.710	2.666	8.3	20.8
9 28	1 2.56	+ 2 22.4	1.672	2.662	4.1	20.5
10 8	0 53.03	+ 1 46.9	1.661	2.659	1.5	20.3
10 18	0 43.58	+ 1 15.3	1.679	2.655	5.4	20.6
10 28	0 35.24	+ 0 53.1	1.724	2.651	9.6	20.8
11 7	0 28.86	+ 0 43.7	1.793	2.646	13.3	21.1

221776 2007 HL_{41} 10 7.6 229°.85 0°.0/ 7.5 18

8 29	1 15.09	+ 8 49.5	2.605	3.397	12.1	21.1
9 8	1 11.60	+ 8 14.0	2.508	3.389	9.6	20.9
9 18	1 6.48	+ 7 27.0	2.433	3.381	6.6	20.7
9 28	1 0.14	+ 6 30.9	2.385	3.373	3.3	20.5
10 8	0 53.14	+ 5 29.7	2.365	3.364	0.2	20.2
10 18	0 46.15	+ 4 28.3	2.376	3.356	3.7	20.5
10 28	0 39.87	+ 3 31.6	2.416	3.347	7.0	20.7
11 7	0 34.88	+ 2 44.2	2.482	3.337	10.0	20.8

21017 1988 VP 10 7.6 329°.74 7°.3/ 2.6 18

8 29	1 24.18	−11 0.3	1.567	2.409	16.5	16.9
9 8	1 19.78	−11 39.7	1.498	2.404	13.3	16.7
9 18	1 12.62	−12 17.5	1.449	2.399	10.0	16.5
9 28	1 3.34	−12 45.4	1.424	2.395	7.6	16.3
10 8	0 53.01	−12 56.0	1.424	2.391	7.7	16.3
10 18	0 42.89	−12 44.0	1.449	2.388	10.3	16.5
10 28	0 34.21	−12 7.6	1.499	2.384	13.7	16.7
11 7	0 27.88	−11 8.5	1.570	2.381	16.9	16.9

320377 2007 UP 10 7.6 220°.34 2°.6/ 5.8 18

8 29	1 24.04	+ 1 27.8	1.529	2.358	17.5	21.5
9 8	1 19.84	+ 1 2.4	1.450	2.354	13.8	21.3
9 18	1 12.80	+ 0 26.8	1.390	2.350	9.5	21.0
9 28	1 3.50	− 0 14.1	1.354	2.345	4.9	20.7
10 8	0 53.01	− 0 53.5	1.344	2.340	2.9	20.6
10 18	0 42.59	− 1 24.7	1.362	2.334	7.0	20.8
10 28	0 33.56	− 1 41.5	1.404	2.328	11.6	21.1
11 7	0 26.91	− 1 40.6	1.470	2.322	15.7	21.3

220858 2004 VT_{72} 10 7.6 302°.89 0°.2/ 7.4 18

8 29	1 15.57	+ 7 25.0	2.146	2.953	13.8	20.6
9 8	1 12.42	+ 7 4.3	2.049	2.940	11.0	20.4
9 18	1 7.29	+ 6 31.7	1.974	2.927	7.6	20.2
9 28	1 0.63	+ 5 49.8	1.924	2.914	3.8	19.9
10 8	0 53.13	+ 5 2.7	1.902	2.901	0.3	19.6
10 18	0 45.59	+ 4 15.6	1.908	2.889	4.3	19.9
10 28	0 38.89	+ 3 34.0	1.942	2.876	8.2	20.1
11 7	0 33.76	+ 3 2.5	2.001	2.864	11.7	20.3

129888 1999 TF_{21} 10 7.6 270°.10 4°.2/11.7 17

8 29	1 14.29	+25 26.7	1.149	1.934	24.6	19.6
9 8	1 13.29	+24 9.5	1.063	1.927	20.9	19.3
9 18	1 8.91	+22 2.0	0.992	1.920	16.0	19.0
9 28	1 1.75	+19 2.3	0.941	1.913	10.3	18.6
10 8	0 53.08	+15 18.8	0.913	1.906	4.9	18.3
10 18	0 44.49	+11 11.3	0.913	1.899	6.1	18.4
10 28	0 37.65	+ 7 7.7	0.939	1.892	12.1	18.7
11 7	0 33.72	+ 3 32.9	0.989	1.885	17.8	19.0

227081 2005 LM_{32} 10 7.6 108°.00 1°.1/ 8.6 17

8 29	1 19.69	+12 43.4	1.590	2.391	18.1	20.8
9 8	1 16.16	+12 9.2	1.519	2.403	14.6	20.6
9 18	1 10.07	+11 14.5	1.467	2.413	10.3	20.4
9 28	1 2.04	+10 2.2	1.438	2.424	5.5	20.2
10 8	0 53.08	+ 8 38.6	1.436	2.434	1.2	19.9
10 18	0 44.35	+ 7 12.4	1.461	2.444	4.9	20.2
10 28	0 36.98	+ 5 52.9	1.513	2.454	9.5	20.5
11 7	0 31.79	+ 4 47.7	1.589	2.463	13.5	20.7

134782 2000 DR_{78} 10 7.6 20°.93 2°.1/ 9.4 18

8 29	1 20.12	+12 3.5	1.783	2.577	16.7	19.7
9 8	1 16.37	+12 18.6	1.702	2.579	13.6	19.5
9 18	1 10.19	+12 18.8	1.640	2.581	9.8	19.3
9 28	1 2.13	+12 4.7	1.602	2.583	5.7	19.0
10 8	0 53.08	+11 39.0	1.590	2.586	2.2	18.8
10 18	0 44.10	+11 6.2	1.605	2.589	4.5	19.0
10 28	0 36.29	+10 32.4	1.648	2.592	8.6	19.2
11 7	0 30.49	+10 3.7	1.715	2.595	12.4	19.5

483122 2015 NF_{23} 10 7.6 310°.63 2°.5/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 15.00	+16 40.7	1.828	2.611	16.8	21.2
9 8	1 12.37	+16 15.0	1.738	2.606	13.8	21.0
9 18	1 7.46	+15 27.6	1.667	2.601	10.2	20.7
9 28	1 0.78	+14 19.6	1.619	2.596	6.2	20.5
10 8	0 53.16	+12 55.6	1.597	2.592	2.7	20.3
10 18	0 45.57	+11 22.4	1.603	2.587	4.4	20.4
10 28	0 39.04	+ 9 49.3	1.637	2.583	8.5	20.6
11 7	0 34.37	+ 8 25.1	1.696	2.579	12.3	20.8

14609 1998 SW_{145} 10 7.6 230°.61 1°.1/ 6.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.50	+ 5 50.6	1.854	2.665	15.5	19.0
9 8	1 16.62	+ 5 17.7	1.762	2.656	12.3	18.8
9 18	1 10.37	+ 4 31.7	1.691	2.646	8.5	18.5
9 28	1 2.26	+ 3 35.9	1.646	2.636	4.2	18.3
10 8	0 53.11	+ 2 36.2	1.627	2.625	1.3	18.0
10 18	0 43.95	+ 1 39.1	1.637	2.614	5.4	18.3
10 28	0 35.85	+ 0 51.6	1.675	2.603	9.7	18.5
11 7	0 29.67	+ 0 18.7	1.736	2.591	13.6	18.7

144483 2004 EE_{60} 10 7.6 287°.07 2°.5/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.21	+15 27.3	1.981	2.762	15.8	19.7
9 8	1 13.18	+15 17.7	1.885	2.752	12.9	19.4
9 18	1 7.97	+14 50.2	1.808	2.742	9.6	19.2
9 28	1 1.05	+14 5.2	1.754	2.732	5.8	19.0
10 8	0 53.16	+13 5.9	1.727	2.722	2.7	18.7
10 18	0 45.24	+11 57.7	1.728	2.712	4.3	18.8
10 28	0 38.28	+10 47.9	1.757	2.702	8.1	19.0
11 7	0 33.07	+ 9 43.9	1.811	2.692	11.8	19.3

226329 2003 EX_{41} 10 7.6 125°.57 0°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.10	+ 4 49.7	1.744	2.557	16.3	20.6
9 8	1 18.61	+ 4 37.1	1.669	2.564	12.9	20.4
9 18	1 11.65	+ 4 13.6	1.616	2.571	8.8	20.2
9 28	1 2.84	+ 3 42.5	1.587	2.577	4.3	19.9
10 8	0 53.10	+ 3 8.7	1.585	2.583	1.1	19.7
10 18	0 43.54	+ 2 38.0	1.611	2.589	5.3	20.0
10 28	0 35.24	+ 2 15.5	1.664	2.595	9.6	20.3
11 7	0 29.03	+ 2 5.3	1.742	2.600	13.3	20.6

265217 2004 CU_{31} 10 7.6 302°.52 4°.0/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.51	+15 38.5	1.435	2.234	19.9	20.3
9 8	1 16.80	+16 4.1	1.345	2.221	16.5	20.1
9 18	1 11.08	+16 9.3	1.273	2.209	12.5	19.8
9 28	1 2.84	+15 52.4	1.221	2.197	7.9	19.5
10 8	0 53.09	+15 15.2	1.194	2.186	4.3	19.3
10 18	0 43.19	+14 22.7	1.192	2.174	5.8	19.3
10 28	0 34.64	+13 23.9	1.214	2.163	10.4	19.6
11 7	0 28.59	+12 28.6	1.260	2.153	15.0	19.8

474521 2003 UZ_{239} 10 7.6 304°.39 4°.7/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 30.37	− 7 17.7	1.726	2.547	16.1	20.7
9 8	1 24.52	− 7 12.6	1.641	2.538	12.9	20.5
9 18	1 15.88	− 7 6.4	1.578	2.530	9.2	20.2
9 28	1 5.03	− 6 54.0	1.539	2.521	5.8	20.0
10 8	0 53.03	− 6 30.6	1.528	2.513	4.9	19.9
10 18	0 41.12	− 5 53.2	1.546	2.505	7.8	20.1
10 28	0 30.58	− 5 0.5	1.591	2.498	11.7	20.3
11 7	0 22.39	− 3 53.2	1.660	2.490	15.3	20.5

409119 2003 UP 10 7.6 343°.10 13°.6/25.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.48	+44 55.7	2.108	2.681	20.2	19.6
9 8	1 15.98	+46 28.8	2.017	2.673	19.0	19.4
9 18	1 10.55	+47 36.5	1.938	2.665	17.5	19.3
9 28	1 2.61	+48 11.7	1.873	2.658	16.0	19.2
10 8	0 53.11	+48 9.6	1.826	2.652	14.7	19.0
10 18	0 43.37	+47 28.3	1.798	2.646	13.8	19.0
10 28	0 34.89	+46 11.1	1.791	2.641	13.6	19.0
11 7	0 28.88	+44 26.4	1.806	2.637	14.2	19.0

517051 2013 AN_{101} 10 7.6 248°.65 3°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.72	+17 50.9	2.157	2.916	15.3	22.0
9 8	1 14.23	+17 45.5	2.054	2.905	12.7	21.8
9 18	1 8.64	+17 22.0	1.970	2.893	9.6	21.6
9 28	1 1.38	+16 40.4	1.911	2.880	6.2	21.4
10 8	0 53.17	+15 42.9	1.878	2.868	3.4	21.2
10 18	0 44.90	+14 34.1	1.874	2.855	4.3	21.2
10 28	0 37.52	+13 20.9	1.898	2.842	7.7	21.4
11 7	0 31.81	+12 10.6	1.948	2.828	11.1	21.6

516835 2010 WX_{2} 10 7.6 14°.95 6°.0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.51	− 8 12.6	1.691	2.537	15.3	20.5
9 8	1 15.01	− 8 56.0	1.630	2.541	12.1	20.3
9 18	1 9.15	− 9 40.0	1.590	2.546	8.8	20.1
9 28	1 1.56	−10 17.7	1.574	2.551	6.3	20.0
10 8	0 53.18	−10 42.1	1.584	2.557	6.4	20.0
10 18	0 45.03	−10 48.3	1.620	2.564	8.9	20.2
10 28	0 38.14	−10 33.7	1.680	2.572	12.1	20.4
11 7	0 33.23	− 9 58.6	1.762	2.580	15.1	20.6

80999 2000 EZ_{29} 10 7.6 310°.74 1°.8/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 18.13	+ 3 50.6	1.340	2.184	18.7	19.5
9 8	1 15.81	+ 3 31.9	1.250	2.163	14.9	19.2
9 18	1 10.46	+ 2 59.0	1.180	2.143	10.3	18.9
9 28	1 2.57	+ 2 16.0	1.131	2.123	5.2	18.5
10 8	0 53.14	+ 1 29.7	1.106	2.104	2.1	18.3
10 18	0 43.52	+ 0 48.4	1.106	2.085	7.1	18.5
10 28	0 35.23	+ 0 20.3	1.130	2.067	12.5	18.8
11 7	0 29.47	+ 0 11.1	1.176	2.049	17.3	19.0

225993 2002 CF_{309} 10 7.6 343°.87 1°.9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.07	− 2 31.8	4.285	5.101	7.3	20.0
9 8	1 6.21	− 3 9.3	4.202	5.100	5.7	19.9
9 18	1 2.45	− 3 49.3	4.144	5.100	3.9	19.8
9 28	0 58.05	− 4 29.4	4.114	5.099	2.3	19.7
10 8	0 53.33	− 5 6.9	4.114	5.099	2.1	19.7
10 18	0 48.65	− 5 39.4	4.144	5.098	3.6	19.8
10 28	0 44.36	− 6 4.7	4.204	5.098	5.4	19.9
11 7	0 40.78	− 6 21.4	4.289	5.098	7.0	20.0

108890 2001 PR_{1} 10 7.6 60°.18 2°.2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.43	+ 4 14.2	1.355	2.193	18.8	19.8
9 8	1 16.92	+ 3 27.5	1.303	2.212	14.7	19.6
9 18	1 10.63	+ 2 26.9	1.270	2.232	9.9	19.4
9 28	1 2.33	+ 1 18.8	1.260	2.252	4.9	19.2
10 8	0 53.18	+ 0 11.9	1.276	2.272	2.5	19.1
10 18	0 44.44	− 0 45.2	1.318	2.293	6.8	19.4
10 28	0 37.31	− 1 25.6	1.384	2.313	11.3	19.7
11 7	0 32.58	− 1 45.7	1.473	2.334	15.2	20.0

489951 2008 RJ_{121} 10 7.6 13°.01 0°.1/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.62	+ 8 7.9	3.849	4.636	8.6	21.2
9 8	1 6.76	+ 7 44.8	3.759	4.638	6.8	21.1
9 18	1 2.89	+ 7 14.8	3.693	4.640	4.7	21.0
9 28	0 58.29	+ 6 39.8	3.654	4.642	2.4	20.8
10 8	0 53.33	+ 6 1.9	3.645	4.644	0.1	20.6
10 18	0 48.40	+ 5 23.9	3.666	4.646	2.5	20.8
10 28	0 43.92	+ 4 48.5	3.716	4.648	4.7	21.0
11 7	0 40.24	+ 4 18.3	3.795	4.651	6.8	21.1

487793 2015 RP_{239} 10 7.6 286°.83 7°.1/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.04	−13 21.3	2.212	3.050	12.5	20.6
9 8	1 12.70	−14 41.3	2.137	3.037	10.2	20.4
9 18	1 7.44	−16 0.3	2.085	3.025	8.1	20.3
9 28	1 0.72	−17 11.1	2.059	3.012	7.1	20.2
10 8	0 53.24	−18 6.6	2.059	2.999	7.8	20.2
10 18	0 45.81	−18 41.2	2.085	2.986	9.7	20.3
10 28	0 39.25	−18 52.1	2.135	2.974	12.1	20.4
11 7	0 34.25	−18 39.0	2.207	2.961	14.4	20.6

234309 2001 AZ_{40} 10 7.6 239°.98 4°.8/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.66	+22 26.3	2.269	2.996	15.5	20.7
9 8	1 15.79	+22 35.1	2.159	2.982	13.2	20.5
9 18	1 9.76	+22 24.9	2.068	2.967	10.4	20.3
9 28	1 1.99	+21 54.0	2.000	2.951	7.5	20.1
10 8	0 53.20	+21 3.4	1.959	2.935	5.1	19.9
10 18	0 44.31	+19 56.5	1.946	2.918	5.2	19.9
10 28	0 36.27	+18 39.5	1.961	2.901	7.7	20.0
11 7	0 29.92	+17 20.2	2.003	2.883	10.9	20.2

481753 2008 HU_{57} 10 7.6 76°.40 4°.9/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.85	− 5 39.2	2.130	2.966	12.9	21.4
9 8	1 12.43	− 6 51.2	2.066	2.973	10.1	21.2
9 18	1 7.16	− 8 6.8	2.025	2.980	7.2	21.0
9 28	1 0.53	− 9 19.3	2.010	2.988	5.1	20.9
10 8	0 53.27	−10 22.0	2.023	2.995	5.4	21.0
10 18	0 46.17	−11 9.3	2.063	3.002	7.7	21.1
10 28	0 40.01	−11 37.5	2.129	3.010	10.4	21.3
11 7	0 35.41	−11 45.3	2.219	3.017	13.0	21.5

321983 2010 US_{54} 10 7.6 293°.31 2°.1/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.15	+ 0 46.0	2.117	2.936	13.6	20.3
9 8	1 15.22	+ 0 28.4	2.026	2.925	10.7	20.0
9 18	1 9.23	+ 0 4.1	1.958	2.915	7.3	19.8
9 28	1 1.66	− 0 23.4	1.915	2.905	3.8	19.6
10 8	0 53.23	− 0 49.4	1.900	2.895	2.3	19.5
10 18	0 44.80	− 1 9.6	1.914	2.885	5.4	19.7
10 28	0 37.29	− 1 19.7	1.955	2.875	9.1	19.9
11 7	0 31.42	− 1 17.1	2.021	2.865	12.4	20.1

27350 2000 DA_{47} 10 7.6 67°.86 0°.2/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.46	+ 9 40.3	1.444	2.260	18.9	18.4
9 8	1 17.60	+ 9 12.0	1.389	2.283	15.0	18.2
9 18	1 11.04	+ 8 25.9	1.353	2.307	10.3	18.0
9 28	1 2.53	+ 7 26.0	1.341	2.330	5.2	17.8
10 8	0 53.20	+ 6 19.2	1.354	2.353	0.3	17.5
10 18	0 44.28	+ 5 13.7	1.394	2.376	5.2	17.9
10 28	0 36.93	+ 4 17.7	1.460	2.399	9.9	18.3
11 7	0 31.91	+ 3 37.0	1.549	2.422	13.9	18.6

300405 2007 RD_{277} 10 7.6 32°.22 6°.7/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.85	+24 37.1	1.604	2.355	20.0	20.3
9 8	1 14.27	+25 1.0	1.529	2.362	17.1	20.1
9 18	1 9.00	+24 58.7	1.470	2.370	13.7	19.9
9 28	1 1.65	+24 27.7	1.431	2.378	10.2	19.7
10 8	0 53.23	+23 29.3	1.416	2.387	7.3	19.6
10 18	0 44.93	+22 8.9	1.425	2.396	6.9	19.6
10 28	0 37.98	+20 36.0	1.460	2.406	9.4	19.7
11 7	0 33.30	+19 1.9	1.520	2.416	12.7	20.0

415872 2001 SN_{282} 10 7.6 14°.75 2°.5/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.14	+ 2 4.4	0.771	1.662	24.3	19.7
9 8	1 14.54	+ 2 6.1	0.729	1.668	19.1	19.4
9 18	1 9.96	+ 1 53.3	0.701	1.675	13.1	19.1
9 28	1 2.30	+ 1 32.5	0.691	1.686	6.5	18.8
10 8	0 53.21	+ 1 12.7	0.700	1.698	2.7	18.7
10 18	0 44.63	+ 1 2.6	0.729	1.712	8.4	19.1
10 28	0 38.34	+ 1 9.4	0.778	1.729	14.4	19.5
11 7	0 35.42	+ 1 35.8	0.845	1.747	19.5	19.8

132572 2002 JX_{105} 10 7.6 40°.40 0°.2/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.13	+11 13.6	1.186	2.022	21.1	19.3
9 8	1 14.12	+10 28.4	1.127	2.033	16.8	19.1
9 18	1 9.06	+ 9 18.4	1.086	2.044	11.7	18.8
9 28	1 1.69	+ 7 48.9	1.066	2.057	5.9	18.6
10 8	0 53.23	+ 6 9.3	1.070	2.070	0.2	18.2
10 18	0 45.11	+ 4 31.7	1.099	2.083	6.0	18.7
10 28	0 38.65	+ 3 8.0	1.152	2.097	11.4	19.0
11 7	0 34.78	+ 2 6.2	1.227	2.111	16.0	19.3

282256 2002 JH_{67} 10 7.7 34°.44 3°.2/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.96	+18 34.6	1.293	2.099	21.3	19.1
9 8	1 12.13	+18 1.3	1.240	2.120	17.4	18.9
9 18	1 7.50	+16 58.8	1.203	2.142	12.8	18.7
9 28	1 0.82	+15 29.7	1.188	2.166	7.8	18.5
10 8	0 53.27	+13 41.9	1.196	2.190	3.6	18.3
10 18	0 46.10	+11 46.8	1.229	2.215	5.1	18.5
10 28	0 40.51	+ 9 56.9	1.289	2.241	9.6	18.8
11 7	0 37.26	+ 8 22.9	1.371	2.267	13.8	19.2

44900 1999 VG_{17} 10 7.7 154°.15 0°.9/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.32	+11 29.3	2.446	3.220	13.3	20.3
9 8	1 15.73	+11 8.9	2.362	3.229	10.6	20.1
9 18	1 9.34	+10 35.9	2.299	3.238	7.5	19.9
9 28	1 1.62	+ 9 52.1	2.263	3.246	4.1	19.7
10 8	0 53.24	+ 9 0.9	2.255	3.254	1.0	19.5
10 18	0 44.98	+ 8 7.0	2.278	3.260	3.5	19.7
10 28	0 37.59	+ 7 15.4	2.331	3.266	6.9	19.9
11 7	0 31.70	+ 6 31.0	2.410	3.271	10.0	20.1

415644 2014 QY_{387} 10 7.7 113°.09 2°.5/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.94	+14 59.6	2.417	3.179	13.7	21.1
9 8	1 14.77	+15 10.1	2.330	3.185	11.2	20.9
9 18	1 8.76	+15 7.4	2.265	3.191	8.3	20.8
9 28	1 1.37	+14 51.7	2.224	3.197	5.2	20.6
10 8	0 53.26	+14 25.1	2.212	3.203	2.7	20.4
10 18	0 45.21	+13 50.9	2.228	3.209	3.8	20.5
10 28	0 38.03	+13 13.7	2.273	3.215	6.7	20.7
11 7	0 32.34	+12 38.4	2.345	3.220	9.7	20.9

449374 2013 GQ_{93} 10 7.7 82°.92 0°.5/ 7.0 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.10	+ 9 11.8	2.290	3.089	13.4	21.7
9 8	1 11.67	+ 8 9.6	2.221	3.107	10.5	21.6
9 18	1 6.54	+ 6 54.2	2.174	3.125	7.1	21.4
9 28	1 0.19	+ 5 29.6	2.154	3.143	3.5	21.2
10 8	0 53.31	+ 4 1.7	2.163	3.161	0.6	21.0
10 18	0 46.60	+ 2 36.8	2.201	3.179	4.1	21.3
10 28	0 40.79	+ 1 21.1	2.269	3.197	7.5	21.5
11 7	0 36.43	+ 0 19.3	2.362	3.214	10.5	21.8

435108 2007 DS_{40} 10 7.7 214°.19 0°.9/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.14	+ 6 25.3	1.914	2.722	15.2	22.7
9 8	1 16.24	+ 5 51.1	1.825	2.717	12.1	22.5
9 18	1 10.06	+ 5 3.6	1.757	2.711	8.3	22.3
9 28	1 2.12	+ 4 6.3	1.714	2.705	4.1	22.0
10 8	0 53.23	+ 3 4.9	1.699	2.698	1.0	21.8
10 18	0 44.37	+ 2 5.8	1.713	2.691	5.1	22.0
10 28	0 36.54	+ 1 15.6	1.754	2.683	9.3	22.3
11 7	0 30.57	+ 0 39.5	1.820	2.675	13.0	22.5

477548 2010 FT_{53} 10 7.7 234°.65 3°.4/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.94	+ 0 8.7	1.920	2.748	14.4	21.6
9 8	1 14.46	− 0 53.1	1.836	2.741	11.3	21.4
9 18	1 8.81	− 2 4.6	1.774	2.734	7.8	21.2
9 28	1 1.48	− 3 19.9	1.738	2.726	4.4	21.0
10 8	0 53.26	− 4 31.8	1.730	2.719	3.8	20.9
10 18	0 45.08	− 5 33.0	1.749	2.710	6.9	21.1
10 28	0 37.91	− 6 17.5	1.795	2.702	10.6	21.3
11 7	0 32.52	− 6 42.1	1.865	2.693	13.9	21.5

483172 2015 PZ_{45} 10 7.7 62°.81 4°.6/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 18.72	− 3 31.7	1.764	2.603	15.1	21.1
9 8	1 14.95	− 4 33.0	1.711	2.621	11.7	21.0
9 18	1 8.99	− 5 39.1	1.679	2.639	8.2	20.8
9 28	1 1.46	− 6 43.1	1.673	2.657	5.2	20.7
10 8	0 53.27	− 7 37.5	1.694	2.675	5.0	20.7
10 18	0 45.39	− 8 16.5	1.741	2.694	7.7	20.9
10 28	0 38.73	− 8 36.0	1.814	2.712	11.0	21.1
11 7	0 33.96	− 8 35.2	1.910	2.731	14.0	21.4

181587 2006 VR_{134} 10 7.7 80°.95 4°.7/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.14	− 3 7.2	1.468	2.309	17.5	20.0
9 8	1 18.99	− 3 51.2	1.408	2.319	13.7	19.8
9 18	1 12.08	− 4 41.3	1.368	2.328	9.5	19.5
9 28	1 3.12	− 5 30.2	1.351	2.337	5.7	19.4
10 8	0 53.21	− 6 9.9	1.360	2.347	5.1	19.3
10 18	0 43.62	− 6 33.8	1.395	2.356	8.4	19.6
10 28	0 35.56	− 6 37.6	1.455	2.365	12.4	19.8
11 7	0 29.86	− 6 20.3	1.537	2.374	16.0	20.1

356909 2012 AP_{14} 10 7.7 332°.19 7°.3/20.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.35	−32 8.8	4.048	4.830	8.3	19.9
9 8	1 8.23	−33 23.6	4.006	4.826	7.6	19.9
9 18	1 3.96	−34 29.4	3.988	4.822	7.3	19.9
9 28	0 58.86	−35 22.1	3.994	4.818	7.4	19.9
10 8	0 53.37	−35 58.6	4.024	4.814	8.0	19.9
10 18	0 47.93	−36 17.0	4.076	4.811	8.7	20.0
10 28	0 43.01	−36 16.6	4.149	4.807	9.6	20.0
11 7	0 39.02	−35 58.5	4.240	4.804	10.4	20.1

79893 1999 BM_{4} 10 7.7 304°.51 4°.4/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.04	+17 43.6	1.859	2.628	17.0	19.3
9 8	1 15.76	+18 14.7	1.759	2.614	14.3	19.1
9 18	1 10.01	+18 28.7	1.679	2.600	11.0	18.9
9 28	1 2.23	+18 23.8	1.620	2.586	7.5	18.7
10 8	0 53.25	+18 0.8	1.588	2.573	4.7	18.5
10 18	0 44.11	+17 22.8	1.582	2.560	5.4	18.5
10 28	0 35.99	+16 36.1	1.602	2.547	8.7	18.6
11 7	0 29.83	+15 48.1	1.648	2.534	12.4	18.8

447970 2008 CE_{73} 10 7.7 325°.52 3°.1/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.05	+ 0 3.1	1.418	2.268	17.5	20.4
9 8	1 14.88	− 0 11.3	1.322	2.238	14.0	20.1
9 18	1 9.83	− 0 34.8	1.244	2.209	9.7	19.7
9 28	1 2.31	− 1 2.8	1.189	2.180	5.2	19.4
10 8	0 53.24	− 1 28.4	1.158	2.153	3.4	19.2
10 18	0 43.91	− 1 44.7	1.152	2.127	7.6	19.4
10 28	0 35.75	− 1 45.3	1.170	2.101	12.7	19.6
11 7	0 29.95	− 1 26.4	1.209	2.077	17.3	19.8

317962 2003 YU_{21} 10 7.7 212°.45 2°.1/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.96	+ 3 9.3	1.824	2.640	15.6	21.2
9 8	1 17.78	+ 2 32.1	1.737	2.635	12.3	20.9
9 18	1 11.19	+ 1 43.7	1.672	2.629	8.4	20.7
9 28	1 2.72	+ 0 48.5	1.632	2.622	4.2	20.4
10 8	0 53.24	− 0 7.2	1.619	2.615	2.3	20.3
10 18	0 43.80	− 0 56.8	1.635	2.608	6.0	20.5
10 28	0 35.47	− 1 34.0	1.678	2.599	10.2	20.8
11 7	0 29.11	− 1 54.8	1.745	2.590	13.9	21.0

195141 2002 CN_{189} 10 7.7 117°.92 1°.4/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.18	+ 4 25.3	1.927	2.738	15.0	20.9
9 8	1 16.80	+ 3 50.6	1.858	2.752	11.8	20.8
9 18	1 10.26	+ 3 5.2	1.810	2.765	8.0	20.6
9 28	1 2.13	+ 2 13.5	1.788	2.778	3.9	20.3
10 8	0 53.28	+ 1 21.0	1.793	2.790	1.6	20.2
10 18	0 44.63	+ 0 33.6	1.828	2.802	5.2	20.5
10 28	0 37.13	− 0 3.2	1.890	2.814	9.1	20.7
11 7	0 31.47	− 0 25.9	1.976	2.825	12.4	21.0

265447 2004 XD_{84} 10 7.7 316°.86 8°.4/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.25	+30 12.1	2.099	2.791	17.5	20.0
9 8	1 13.58	+31 1.8	1.992	2.773	15.6	19.8
9 18	1 8.54	+31 30.1	1.901	2.755	13.3	19.6
9 28	1 1.52	+31 32.8	1.830	2.737	10.9	19.4
10 8	0 53.29	+31 8.0	1.782	2.719	9.0	19.2
10 18	0 44.86	+30 16.6	1.759	2.702	8.4	19.2
10 28	0 37.35	+29 3.8	1.761	2.686	9.6	19.2
11 7	0 31.73	+27 38.2	1.788	2.670	11.9	19.3

93658 2000 UU_{103} 10 7.7 19°.65 1°.6/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.75	+ 1 14.3	1.212	2.059	20.1	17.6
9 8	1 20.08	+ 1 37.4	1.154	2.067	15.9	17.3
9 18	1 13.17	+ 1 52.7	1.113	2.076	10.9	17.1
9 28	1 3.78	+ 2 3.5	1.094	2.086	5.4	16.8
10 8	0 53.22	+ 2 14.3	1.099	2.097	1.7	16.6
10 18	0 43.01	+ 2 29.5	1.129	2.110	6.6	17.0
10 28	0 34.61	+ 2 53.0	1.184	2.123	11.7	17.3
11 7	0 29.00	+ 3 27.3	1.260	2.138	16.1	17.6

256971 2008 ET_{98} 10 7.7 284°.51 1°.5/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 20.94	+ 4 37.3	1.475	2.305	18.0	21.7
9 8	1 17.85	+ 4 16.6	1.378	2.283	14.4	21.4
9 18	1 11.82	+ 3 41.7	1.301	2.260	10.0	21.1
9 28	1 3.30	+ 2 55.9	1.246	2.238	5.0	20.7
10 8	0 53.23	+ 2 5.7	1.217	2.215	1.7	20.5
10 18	0 42.92	+ 1 18.8	1.214	2.192	6.6	20.7
10 28	0 33.83	+ 0 43.3	1.235	2.169	11.9	21.0
11 7	0 27.14	+ 0 25.3	1.279	2.146	16.7	21.2

330550 2008 AW_{99} 10 7.7 219°.31 1°.8/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.79	+ 5 20.7	1.704	2.525	16.3	22.0
9 8	1 16.26	+ 4 27.2	1.619	2.519	12.9	21.8
9 18	1 10.25	+ 3 18.4	1.554	2.512	8.8	21.6
9 28	1 2.29	+ 1 59.3	1.514	2.505	4.4	21.3
10 8	0 53.28	+ 0 37.4	1.501	2.498	2.1	21.1
10 18	0 44.29	− 0 38.9	1.516	2.490	6.2	21.4
10 28	0 36.48	− 1 41.3	1.558	2.482	10.6	21.6
11 7	0 30.70	− 2 24.6	1.623	2.473	14.6	21.8

53524 2000 AN_{153} 10 7.7 48°.50 5°.1/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.45	− 1 33.8	1.325	2.179	18.2	19.0
9 8	1 15.55	− 2 47.0	1.271	2.190	14.2	18.8
9 18	1 9.83	− 4 9.7	1.237	2.201	9.8	18.6
9 28	1 2.04	− 5 32.7	1.225	2.213	5.9	18.4
10 8	0 53.30	− 6 45.4	1.239	2.225	5.6	18.5
10 18	0 44.91	− 7 38.9	1.277	2.237	9.1	18.7
10 28	0 38.07	− 8 7.4	1.340	2.249	13.2	19.0
11 7	0 33.61	− 8 9.5	1.422	2.262	16.9	19.2

184264 2004 TZ_{287} 10 7.7 45°.71 0°.3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.90	+ 8 48.3	1.810	2.619	16.0	19.6
9 8	1 14.32	+ 8 30.6	1.750	2.641	12.6	19.5
9 18	1 8.58	+ 7 59.3	1.711	2.663	8.7	19.3
9 28	1 1.29	+ 7 17.6	1.697	2.685	4.4	19.1
10 8	0 53.33	+ 6 30.3	1.709	2.708	0.3	18.8
10 18	0 45.65	+ 5 43.3	1.749	2.731	4.4	19.2
10 28	0 39.15	+ 5 2.5	1.816	2.754	8.4	19.5
11 7	0 34.50	+ 4 32.6	1.908	2.778	11.8	19.7

73835 1996 EN_{15} 10 7.7 140°.21 1°.7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.14	+ 4 9.4	2.097	2.910	13.9	20.3
9 8	1 14.31	+ 3 21.6	2.021	2.917	10.9	20.1
9 18	1 8.52	+ 2 23.4	1.967	2.924	7.4	19.9
9 28	1 1.28	+ 1 19.0	1.939	2.930	3.6	19.7
10 8	0 53.34	+ 0 14.3	1.940	2.936	1.9	19.6
10 18	0 45.53	− 0 44.6	1.969	2.941	5.2	19.8
10 28	0 38.69	− 1 32.3	2.026	2.947	8.8	20.1
11 7	0 33.49	− 2 4.9	2.108	2.952	12.0	20.3

451984 2014 NP_{58} 10 7.7 64°.70 5°.7/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.52	−10 8.3	2.202	3.034	12.7	21.1
9 8	1 14.46	−11 0.2	2.139	3.040	10.1	20.9
9 18	1 8.53	−11 51.5	2.099	3.047	7.6	20.8
9 28	1 1.25	−12 36.1	2.084	3.053	5.8	20.7
10 8	0 53.34	−13 8.4	2.097	3.059	6.1	20.7
10 18	0 45.62	−13 24.1	2.138	3.066	8.1	20.9
10 28	0 38.87	−13 20.9	2.204	3.073	10.6	21.0
11 7	0 33.71	−12 58.9	2.293	3.079	13.0	21.2

120760 1997 YQ_{18} 10 7.7 88°.55 7°.6/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.41	− 9 8.3	1.669	2.518	15.3	19.6
9 8	1 14.23	−10 59.4	1.614	2.525	12.2	19.4
9 18	1 8.69	−12 52.7	1.581	2.533	9.3	19.2
9 28	1 1.42	−14 37.8	1.574	2.540	7.7	19.2
10 8	0 53.34	−16 4.3	1.592	2.547	8.4	19.2
10 18	0 45.48	−17 4.8	1.636	2.554	10.9	19.4
10 28	0 38.87	−17 35.2	1.704	2.561	13.8	19.6
11 7	0 34.25	−17 36.2	1.791	2.568	16.5	19.8

13889 4206 T-$_1$ 10 7.7 199°.43 1°.2/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.08	+ 5 33.3	1.983	2.789	14.8	19.4
9 8	1 16.88	+ 4 53.8	1.895	2.786	11.7	19.2
9 18	1 10.46	+ 4 1.8	1.828	2.782	8.0	19.0
9 28	1 2.34	+ 3 1.2	1.788	2.778	3.9	18.7
10 8	0 53.31	+ 1 57.7	1.775	2.773	1.4	18.6
10 18	0 44.33	+ 0 57.8	1.791	2.767	5.2	18.8
10 28	0 36.37	+ 0 7.7	1.836	2.760	9.3	19.0
11 7	0 30.22	− 0 27.7	1.905	2.753	12.8	19.3

21483 Abdulrasool 10 7.7 216°.97 3°.4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.39	+ 1 7.3	1.626	2.458	16.4	18.9
9 8	1 16.81	+ 0 8.5	1.547	2.454	12.9	18.7
9 18	1 10.67	− 1 2.1	1.489	2.450	8.9	18.4
9 28	1 2.52	− 2 18.2	1.455	2.445	4.8	18.2
10 8	0 53.31	− 3 31.3	1.448	2.439	3.8	18.1
10 18	0 44.17	− 4 33.0	1.468	2.434	7.5	18.3
10 28	0 36.28	− 5 16.4	1.514	2.427	11.7	18.5
11 7	0 30.51	− 5 37.7	1.582	2.421	15.5	18.8

396991 2005 SB_{181} 10 7.7 70°.40 1°.7/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.73	+14 1.3	1.999	2.782	15.6	21.5
9 8	1 14.06	+13 39.9	1.932	2.802	12.5	21.3
9 18	1 8.36	+13 2.0	1.884	2.822	9.0	21.1
9 28	1 1.19	+12 9.4	1.861	2.842	5.1	20.9
10 8	0 53.36	+11 6.7	1.866	2.862	1.8	20.8
10 18	0 45.75	+ 9 59.8	1.898	2.882	3.9	21.0
10 28	0 39.23	+ 8 55.3	1.959	2.902	7.6	21.2
11 7	0 34.43	+ 7 59.3	2.046	2.922	10.9	21.5

103990 2000 DS_{94} 10 7.7 309°.39 7°.5/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.54	+28 2.2	2.401	3.080	15.8	19.3
9 8	1 18.92	+29 14.0	2.302	3.077	13.9	19.1
9 18	1 12.00	+30 9.2	2.222	3.073	11.7	19.0
9 28	1 3.21	+30 44.0	2.164	3.069	9.6	18.8
10 8	0 53.28	+30 56.2	2.132	3.066	7.9	18.7
10 18	0 43.19	+30 46.1	2.125	3.063	7.6	18.7
10 28	0 33.98	+30 17.2	2.146	3.059	8.8	18.8
11 7	0 26.53	+29 35.9	2.193	3.056	10.8	18.9

167918 2005 EF_{112} 10 7.7 232°.19 0°.9/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 24.97	+ 8 19.4	2.175	2.959	14.4	20.4
9 8	1 19.87	+ 8 36.1	2.075	2.949	11.6	20.1
9 18	1 12.53	+ 8 43.2	1.997	2.940	8.2	19.9
9 28	1 3.41	+ 8 41.4	1.945	2.930	4.4	19.7
10 8	0 53.28	+ 8 33.1	1.921	2.919	0.9	19.4
10 18	0 43.08	+ 8 21.2	1.926	2.908	4.1	19.6
10 28	0 33.81	+ 8 9.9	1.961	2.897	8.1	19.8
11 7	0 26.29	+ 8 3.4	2.023	2.885	11.6	20.0

298565 2003 XZ_{20} 10 7.7 288°.65 1°.1/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.64	+ 5 3.4	1.833	2.652	15.4	21.3
9 8	1 15.33	+ 4 41.8	1.735	2.632	12.3	21.0
9 18	1 9.65	+ 4 8.2	1.657	2.613	8.5	20.8
9 28	1 2.05	+ 3 25.6	1.603	2.594	4.2	20.5
10 8	0 53.33	+ 2 39.3	1.576	2.575	1.3	20.2
10 18	0 44.49	+ 1 55.3	1.577	2.555	5.4	20.5
10 28	0 36.62	+ 1 20.0	1.605	2.536	9.9	20.7
11 7	0 30.64	+ 0 58.4	1.656	2.517	13.8	20.9

51198 2000 JO_{3} 10 7.7 268°.58 0°.5/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.54	+12 4.6	1.826	2.624	16.3	19.1
9 8	1 14.60	+10 41.7	1.713	2.597	13.1	18.8
9 18	1 9.25	+ 8 53.3	1.620	2.570	9.2	18.5
9 28	1 1.90	+ 6 42.5	1.553	2.542	4.6	18.2
10 8	0 53.34	+ 4 17.2	1.515	2.514	0.6	17.8
10 18	0 44.58	+ 1 48.7	1.506	2.484	5.6	18.1
10 28	0 36.77	− 0 30.3	1.526	2.455	10.5	18.3
11 7	0 30.85	− 2 29.0	1.572	2.424	14.9	18.5

180065 2003 BF_{79} 10 7.7 289°.49 3°.7/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.33	+16 12.3	2.036	2.803	15.8	20.5
9 8	1 16.67	+16 38.5	1.922	2.778	13.2	20.3
9 18	1 10.63	+16 49.7	1.828	2.752	10.1	20.1
9 28	1 2.60	+16 44.6	1.757	2.727	6.6	19.8
10 8	0 53.32	+16 23.9	1.713	2.701	3.9	19.6
10 18	0 43.76	+15 50.4	1.696	2.675	4.9	19.6
10 28	0 35.03	+15 9.5	1.707	2.650	8.5	19.8
11 7	0 28.11	+14 28.0	1.743	2.624	12.2	19.9

281659 2008 VZ_{10} 10 7.7 36°.38 4°.4/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.86	− 1 35.3	1.364	2.216	18.0	19.1
9 8	1 15.78	− 2 24.7	1.310	2.228	14.0	18.9
9 18	1 9.95	− 3 22.0	1.276	2.240	9.6	18.7
9 28	1 2.10	− 4 19.7	1.265	2.254	5.6	18.5
10 8	0 53.35	− 5 8.9	1.279	2.267	4.8	18.5
10 18	0 44.94	− 5 42.4	1.318	2.282	8.3	18.8
10 28	0 38.07	− 5 55.2	1.381	2.297	12.4	19.0
11 7	0 33.54	− 5 46.0	1.465	2.312	16.0	19.3

268205 2005 AY_{81} 10 7.7 287°.50 7°.5/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.30	−16 18.9	2.353	3.181	12.1	20.6
9 8	1 14.46	−17 26.7	2.269	3.159	10.1	20.4
9 18	1 8.69	−18 31.7	2.207	3.137	8.3	20.3
9 28	1 1.43	−19 26.9	2.172	3.115	7.5	20.2
10 8	0 53.37	−20 5.7	2.163	3.092	8.1	20.2
10 18	0 45.29	−20 23.3	2.179	3.069	9.9	20.3
10 28	0 38.05	−20 17.3	2.221	3.047	12.2	20.4
11 7	0 32.34	−19 47.9	2.283	3.024	14.4	20.5

481596 2007 TY_{235} 10 7.7 18°.65 1°.1/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.27	+ 6 5.1	1.487	2.322	17.6	21.0
9 8	1 13.69	+ 5 34.6	1.419	2.326	13.9	20.8
9 18	1 8.54	+ 4 49.2	1.371	2.331	9.5	20.5
9 28	1 1.44	+ 3 53.4	1.345	2.337	4.6	20.3
10 8	0 53.37	+ 2 54.1	1.344	2.343	1.3	20.1
10 18	0 45.47	+ 1 59.2	1.370	2.350	5.8	20.4
10 28	0 38.90	+ 1 16.1	1.421	2.357	10.4	20.7
11 7	0 34.48	+ 0 49.6	1.495	2.365	14.5	21.0

299154 2005 EQ_{323} 10 7.7 202°.41 0°.0/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.79	+10 10.1	2.245	3.037	13.8	21.4
9 8	1 13.26	+ 9 22.1	2.153	3.034	11.0	21.2
9 18	1 7.84	+ 8 19.2	2.082	3.030	7.6	20.9
9 28	1 0.98	+ 7 4.4	2.038	3.026	3.9	20.7
10 8	0 53.39	+ 5 43.0	2.023	3.022	0.1	20.4
10 18	0 45.83	+ 4 21.1	2.037	3.017	4.1	20.7
10 28	0 39.13	+ 3 5.7	2.080	3.012	7.9	20.9
11 7	0 33.96	+ 2 2.4	2.149	3.007	11.2	21.1

330311 2006 UV_5 10 7.7 151°.68 0°.3/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.68	+10 46.0	1.686	2.490	17.1	21.3
9 8	1 16.13	+10 6.2	1.608	2.495	13.7	21.1
9 18	1 10.11	+ 9 7.7	1.550	2.500	9.6	20.9
9 28	1 2.20	+ 7 54.1	1.516	2.504	4.9	20.6
10 8	0 53.34	+ 6 31.5	1.508	2.508	0.3	20.3
10 18	0 44.63	+ 5 8.4	1.529	2.511	4.9	20.6
10 28	0 37.15	+ 3 53.3	1.577	2.514	9.5	20.9
11 7	0 31.73	+ 2 53.2	1.649	2.516	13.5	21.2

377065 2002 TT_{324} 10 7.7 185°.84 0°.0/ 7.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.28	+ 7 25.8	1.706	2.513	16.9	22.2
9 8	1 19.00	+ 7 17.5	1.624	2.513	13.5	21.9
9 18	1 12.14	+ 6 55.8	1.561	2.513	9.4	21.7
9 28	1 3.26	+ 6 23.4	1.523	2.512	4.8	21.4
10 8	0 53.32	+ 5 44.6	1.512	2.511	0.2	21.0
10 18	0 43.44	+ 5 5.4	1.529	2.510	5.1	21.4
10 28	0 34.81	+ 4 32.2	1.572	2.508	9.6	21.7
11 7	0 28.33	+ 4 10.1	1.640	2.507	13.6	22.0

74214 1998 RO_{68} 10 7.7 67°.68 1°.8/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 25.71	+10 21.9	1.724	2.515	17.3	18.8
9 8	1 20.65	+10 47.4	1.659	2.535	13.9	18.6
9 18	1 13.07	+10 59.5	1.614	2.556	9.9	18.4
9 28	1 3.62	+10 58.7	1.593	2.576	5.5	18.2
10 8	0 53.31	+10 47.8	1.599	2.596	1.9	18.0
10 18	0 43.29	+10 30.8	1.633	2.616	4.5	18.2
10 28	0 34.66	+10 13.1	1.695	2.636	8.6	18.5
11 7	0 28.22	+ 9 59.9	1.782	2.656	12.3	18.8

96262 1995 PF 10 7.7 10°.45 10°.4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.00	+28 21.1	1.262	2.022	24.0	18.4
9 8	1 12.95	+29 32.8	1.195	2.025	21.1	18.2
9 18	1 8.67	+30 13.1	1.142	2.030	17.8	18.0
9 28	1 1.74	+30 15.9	1.105	2.035	14.3	17.8
10 8	0 53.36	+29 39.4	1.088	2.043	11.4	17.6
10 18	0 45.06	+28 27.2	1.093	2.052	10.4	17.6
10 28	0 38.42	+26 50.2	1.120	2.062	11.9	17.7
11 7	0 34.57	+25 3.0	1.168	2.073	14.9	18.0

190256 2007 HV_{32} 10 7.7 45°.93 1°.6/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.15	+12 8.1	2.083	2.872	14.8	20.4
9 8	1 13.60	+12 4.6	2.009	2.884	11.9	20.2
9 18	1 8.07	+11 47.1	1.955	2.896	8.5	20.1
9 28	1 1.09	+11 17.1	1.926	2.908	4.8	19.9
10 8	0 53.40	+10 38.2	1.924	2.921	1.6	19.7
10 18	0 45.85	+ 9 54.8	1.951	2.934	3.8	19.8
10 28	0 39.30	+ 9 12.5	2.005	2.947	7.4	20.1
11 7	0 34.39	+ 8 36.5	2.085	2.961	10.7	20.3

5839 GOI 10 7.7 234°.25 1°.9/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 24.44	+10 41.4	2.148	2.925	14.8	16.5
9 8	1 19.49	+11 8.1	2.052	2.919	12.0	16.3
9 18	1 12.29	+11 24.0	1.976	2.913	8.7	16.1
9 28	1 3.32	+11 29.3	1.926	2.907	5.0	15.9
10 8	0 53.34	+11 25.6	1.905	2.901	1.9	15.6
10 18	0 43.30	+11 15.6	1.912	2.894	4.1	15.8
10 28	0 34.23	+11 3.4	1.948	2.887	7.9	16.0
11 7	0 26.92	+10 53.6	2.011	2.880	11.4	16.2

23135 2000 AN_{146} 10 7.7 231°.93 3°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.90	+26 0.8	4.767	5.441	8.5	17.7
9 8	1 6.92	+26 0.4	4.659	5.439	7.3	17.5
9 18	1 3.01	+25 49.4	4.573	5.436	5.9	17.4
9 28	0 58.43	+25 27.9	4.511	5.433	4.5	17.3
10 8	0 53.51	+24 56.6	4.476	5.430	3.4	17.3
10 18	0 48.59	+24 17.0	4.471	5.428	3.2	17.2
10 28	0 44.05	+23 31.5	4.495	5.425	4.1	17.3
11 7	0 40.23	+22 42.9	4.548	5.422	5.4	17.4

401668 2013 GX_{119} 10 7.7 49°.83 1°.1/ 6.6 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.42	+ 5 39.7	1.942	2.759	14.7	21.3
9 8	1 13.08	+ 5 3.8	1.876	2.774	11.5	21.1
9 18	1 7.72	+ 4 16.5	1.832	2.789	7.8	20.9
9 28	1 0.91	+ 3 22.0	1.813	2.804	3.8	20.7
10 8	0 53.43	+ 2 25.8	1.821	2.819	1.2	20.5
10 18	0 46.15	+ 1 33.9	1.858	2.835	4.8	20.8
10 28	0 39.93	+ 0 51.8	1.921	2.851	8.6	21.1
11 7	0 35.40	+ 0 23.4	2.010	2.867	11.9	21.3

75272 1999 XG_{16} 10 7.7 359°.68 31°.0/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 51.46	−58 24.3	0.972	1.699	31.7	17.2
9 8	1 44.29	−58 57.2	0.955	1.689	31.5	17.2
9 18	1 30.08	−58 37.0	0.943	1.683	31.3	17.1
9 28	1 11.68	−57 5.3	0.939	1.681	31.1	17.1
10 8	0 53.11	−54 12.9	0.944	1.682	31.0	17.1
10 18	0 37.79	−50 2.8	0.960	1.687	31.0	17.2
10 28	0 27.54	−44 49.5	0.989	1.696	31.3	17.3
11 7	0 22.55	−38 54.8	1.034	1.708	31.7	17.4

510219 2011 ES_8 10 7.7 280°.40 2°.1/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.24	+ 4 10.4	1.542	2.373	17.2	22.2
9 8	1 16.29	+ 3 32.2	1.450	2.355	13.7	22.0
9 18	1 10.60	+ 2 39.1	1.377	2.337	9.5	21.7
9 28	1 2.66	+ 1 35.7	1.327	2.318	4.7	21.3
10 8	0 53.38	+ 0 29.2	1.303	2.300	2.3	21.1
10 18	0 43.96	− 0 31.8	1.306	2.281	6.8	21.4
10 28	0 35.73	− 1 19.0	1.334	2.262	11.7	21.6
11 7	0 29.73	− 1 46.6	1.384	2.243	16.1	21.8

468870 2013 QF_{66} 10 7.7 24°.07 2°.6/ 5.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.50	+ 6 19.7	0.981	1.850	22.0	20.5
9 8	1 11.73	+ 5 10.5	0.933	1.860	17.2	20.2
9 18	1 7.67	+ 3 38.8	0.901	1.871	11.6	19.9
9 28	1 1.12	+ 1 53.7	0.890	1.884	5.6	19.7
10 8	0 53.43	+ 0 9.0	0.902	1.898	3.0	19.6
10 18	0 46.14	− 1 21.6	0.936	1.914	8.1	19.9
10 28	0 40.67	− 2 27.0	0.992	1.930	13.5	20.3
11 7	0 37.93	− 3 2.2	1.067	1.948	18.1	20.6

153292 2001 FE_{27} 10 7.7 109°.67 0°.4/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.04	+11 50.2	2.392	3.180	13.2	19.8
9 8	1 10.94	+10 58.2	2.306	3.184	10.5	19.6
9 18	1 6.16	+ 9 51.4	2.242	3.187	7.3	19.4
9 28	1 0.12	+ 8 32.5	2.205	3.191	3.8	19.2
10 8	0 53.47	+ 7 6.8	2.196	3.195	0.4	18.9
10 18	0 46.91	+ 5 40.1	2.217	3.199	3.7	19.2
10 28	0 41.15	+ 4 19.0	2.267	3.202	7.1	19.4
11 7	0 36.77	+ 3 8.9	2.344	3.206	10.2	19.6

322265 2011 EY_{16} 10 7.7 313°.67 1°.6/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.70	+ 2 30.8	2.240	3.057	13.0	20.3
9 8	1 13.21	+ 2 9.1	2.150	3.048	10.2	20.1
9 18	1 7.84	+ 1 39.6	2.082	3.039	7.0	19.9
9 28	1 1.03	+ 1 5.6	2.040	3.031	3.5	19.7
10 8	0 53.45	+ 0 31.4	2.026	3.022	1.8	19.6
10 18	0 45.88	+ 0 1.6	2.040	3.014	4.9	19.8
10 28	0 39.15	− 0 19.5	2.082	3.006	8.4	20.0
11 7	0 33.91	− 0 28.8	2.149	2.998	11.6	20.2

22823 1999 RN_{38} 10 7.7 18°.80 1°.4/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.23	+ 5 45.7	1.147	1.999	20.6	17.3
9 8	1 15.19	+ 5 18.8	1.087	2.003	16.3	17.1
9 18	1 9.97	+ 4 34.3	1.044	2.008	11.2	16.8
9 28	1 2.30	+ 3 37.5	1.022	2.014	5.5	16.5
10 8	0 53.41	+ 2 37.1	1.023	2.021	1.6	16.3
10 18	0 44.78	+ 1 42.7	1.048	2.029	6.9	16.7
10 28	0 37.84	+ 1 3.2	1.097	2.038	12.2	17.0
11 7	0 33.60	+ 0 44.1	1.166	2.047	16.9	17.3

410977 2009 TW_{45} 10 7.7 311°.55 2°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.51	+ 0 40.5	2.244	3.061	13.0	20.9
9 8	1 14.58	+ 0 22.6	2.158	3.056	10.2	20.8
9 18	1 8.75	− 0 1.5	2.094	3.050	7.0	20.5
9 28	1 1.47	− 0 28.3	2.056	3.045	3.6	20.3
10 8	0 53.44	− 0 53.6	2.046	3.040	2.2	20.2
10 18	0 45.46	− 1 13.1	2.065	3.035	5.1	20.4
10 28	0 38.34	− 1 23.2	2.111	3.031	8.5	20.6
11 7	0 32.76	− 1 21.4	2.183	3.026	11.6	20.8

19346 1997 CG_1 10 7.7 330°.12 4°.8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.89	− 2 25.0	1.466	2.318	16.9	17.4
9 8	1 14.39	− 3 15.0	1.389	2.307	13.4	17.1
9 18	1 9.21	− 4 13.6	1.332	2.296	9.3	16.8
9 28	1 1.89	− 5 13.6	1.299	2.286	5.7	16.6
10 8	0 53.43	− 6 6.1	1.290	2.277	5.2	16.6
10 18	0 45.00	− 6 43.2	1.306	2.268	8.7	16.8
10 28	0 37.86	− 6 58.9	1.347	2.260	12.9	17.0
11 7	0 32.94	− 6 50.8	1.408	2.253	16.7	17.2

213823 2003 QT_{62} 10 7.7 48°.37 6°.1/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.50	− 1 52.8	1.131	1.997	19.9	19.4
9 8	1 15.94	− 3 23.6	1.088	2.013	15.5	19.2
9 18	1 10.27	− 5 4.4	1.063	2.029	10.7	18.9
9 28	1 2.32	− 6 43.4	1.060	2.046	6.8	18.8
10 8	0 53.42	− 8 7.8	1.080	2.064	6.7	18.8
10 18	0 45.00	− 9 7.5	1.125	2.082	10.4	19.1
10 28	0 38.39	− 9 36.6	1.192	2.100	14.6	19.4
11 7	0 34.40	− 9 35.1	1.278	2.119	18.3	19.7

359361 2009 US_{55} 10 7.7 315°.44 0°.7/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 10.98	+ 3 19.7	4.084	4.882	7.9	21.2
9 8	1 7.81	+ 3 3.8	3.988	4.875	6.2	21.0
9 18	1 3.65	+ 2 43.4	3.917	4.869	4.2	20.9
9 28	0 58.78	+ 2 20.4	3.873	4.863	2.1	20.7
10 8	0 53.54	+ 1 56.8	3.860	4.857	0.8	20.6
10 18	0 48.32	+ 1 35.0	3.876	4.851	2.7	20.8
10 28	0 43.50	+ 1 17.1	3.923	4.845	4.9	20.9
11 7	0 39.44	+ 1 5.0	3.997	4.839	6.8	21.0

435085 2007 BU_{100} 10 7.7 273°.70 4°.2/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.07	+17 1.3	1.630	2.410	18.7	21.5
9 8	1 17.68	+17 26.0	1.541	2.403	15.6	21.3
9 18	1 11.52	+17 31.1	1.469	2.396	11.8	21.1
9 28	1 3.11	+17 15.2	1.419	2.390	7.8	20.8
10 8	0 53.40	+16 39.7	1.394	2.383	4.5	20.6
10 18	0 43.61	+15 49.1	1.395	2.376	5.5	20.7
10 28	0 35.06	+14 51.4	1.423	2.369	9.5	20.9
11 7	0 28.78	+13 55.3	1.475	2.363	13.5	21.1

385708 2005 UV_{48} 10 7.7 354°.60 1°.3/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.26	+ 9 38.2	1.059	1.915	21.7	20.2
9 8	1 11.71	+ 9 47.5	0.991	1.907	17.5	19.9
9 18	1 7.90	+ 9 35.9	0.939	1.901	12.5	19.6
9 28	1 1.41	+ 9 5.1	0.906	1.896	6.7	19.3
10 8	0 53.45	+ 8 20.8	0.895	1.893	1.3	18.9
10 18	0 45.53	+ 7 31.6	0.906	1.892	6.1	19.2
10 28	0 39.26	+ 6 48.0	0.939	1.893	11.9	19.6
11 7	0 35.79	+ 6 18.6	0.992	1.896	17.0	19.9

192017 2005 YB_{77} 10 7.7 135°.05 7°.5/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.12	+36 22.0	2.990	3.593	14.2	20.7
9 8	1 16.52	+37 2.3	2.900	3.604	12.8	20.6
9 18	1 10.04	+37 23.6	2.827	3.616	11.2	20.4
9 28	1 2.11	+37 23.3	2.774	3.626	9.5	20.3
10 8	0 53.44	+37 0.3	2.745	3.637	8.2	20.3
10 18	0 44.79	+36 15.9	2.741	3.647	7.5	20.2
10 28	0 37.00	+35 13.9	2.765	3.656	7.9	20.3
11 7	0 30.74	+34 0.2	2.815	3.665	9.1	20.4

179254 2001 UJ_{131} 10 7.7 327°.60 1°.9/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.85	+ 3 19.2	1.887	2.711	14.8	20.4
9 8	1 13.67	+ 2 44.3	1.804	2.707	11.6	20.2
9 18	1 8.33	+ 1 58.8	1.743	2.702	7.9	19.9
9 28	1 1.33	+ 1 7.0	1.707	2.698	4.0	19.7
10 8	0 53.46	+ 0 14.7	1.698	2.695	2.1	19.5
10 18	0 45.65	− 0 31.9	1.717	2.691	5.6	19.8
10 28	0 38.85	− 1 7.0	1.762	2.687	9.6	20.0
11 7	0 33.82	− 1 26.8	1.832	2.684	13.1	20.2

121083 1999 FV_{16} 10 7.7 230°.02 0°.2/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.28	+ 8 54.0	1.909	2.709	15.6	21.6
9 8	1 16.47	+ 8 32.1	1.816	2.701	12.5	21.4
9 18	1 10.34	+ 7 55.7	1.743	2.692	8.7	21.2
9 28	1 2.39	+ 7 7.2	1.695	2.683	4.5	20.9
10 8	0 53.43	+ 6 11.3	1.675	2.674	0.2	20.5
10 18	0 44.44	+ 5 14.0	1.683	2.664	4.7	20.9
10 28	0 36.47	+ 4 22.1	1.718	2.654	9.0	21.1
11 7	0 30.37	+ 3 41.5	1.779	2.643	12.8	21.3

352310 2007 UM_{47} 10 7.7 307°.65 8°.4/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.28	−13 1.3	1.681	2.528	15.4	20.1
9 8	1 15.99	−14 12.9	1.605	2.511	12.6	19.9
9 18	1 10.17	−15 23.7	1.550	2.495	10.0	19.7
9 28	1 2.34	−16 24.3	1.519	2.479	8.5	19.6
10 8	0 53.43	−17 5.7	1.513	2.464	9.1	19.6
10 18	0 44.57	−17 21.3	1.531	2.448	11.5	19.7
10 28	0 36.90	−17 7.9	1.572	2.433	14.5	19.8
11 7	0 31.31	−16 26.4	1.633	2.419	17.5	20.0

299232 2005 JJ_{132} 10 7.7 170°.81 1°.5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.11	+10 54.8	2.324	3.097	13.9	21.0
9 8	1 18.16	+11 5.2	2.234	3.100	11.2	20.8
9 18	1 11.21	+11 4.4	2.166	3.103	8.0	20.6
9 28	1 2.72	+10 53.2	2.123	3.105	4.5	20.4
10 8	0 53.43	+10 33.8	2.109	3.106	1.5	20.2
10 18	0 44.18	+10 9.5	2.125	3.107	3.7	20.4
10 28	0 35.85	+ 9 44.8	2.170	3.108	7.3	20.6
11 7	0 29.13	+ 9 24.1	2.242	3.108	10.5	20.8

301473 2009 DQ_{127} 10 7.7 285°.58 1°.0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.44	+ 8 33.5	1.883	2.681	15.8	21.1
9 8	1 18.35	+ 8 49.8	1.782	2.665	12.8	20.8
9 18	1 11.78	+ 8 55.0	1.702	2.648	9.1	20.6
9 28	1 3.20	+ 8 49.8	1.646	2.632	4.9	20.3
10 8	0 53.41	+ 8 36.8	1.617	2.616	1.1	20.0
10 18	0 43.46	+ 8 19.6	1.616	2.599	4.6	20.2
10 28	0 34.52	+ 8 3.4	1.643	2.583	9.0	20.4
11 7	0 27.51	+ 7 53.1	1.695	2.567	13.0	20.7

107908 2001 FH_{99} 10 7.7 93°.88 7°.4/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 23.66	−13 48.9	1.930	2.760	14.3	19.7
9 8	1 18.67	−14 49.6	1.881	2.776	11.6	19.6
9 18	1 11.49	−15 46.3	1.854	2.793	9.1	19.5
9 28	1 2.78	−16 31.2	1.853	2.809	7.5	19.4
10 8	0 53.45	−16 58.1	1.878	2.825	7.9	19.5
10 18	0 44.47	−17 2.9	1.929	2.841	9.8	19.6
10 28	0 36.77	−16 44.6	2.005	2.857	12.3	19.8
11 7	0 30.99	−16 4.7	2.103	2.872	14.6	20.0

241768 2001 FP_{171} 10 7.7 207°.91 4°.0/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.83	− 1 23.3	2.070	2.899	13.5	20.4
9 8	1 13.43	− 2 44.9	1.990	2.896	10.5	20.2
9 18	1 8.05	− 4 15.1	1.934	2.893	7.3	20.0
9 28	1 1.16	− 5 47.3	1.904	2.889	4.5	19.8
10 8	0 53.50	− 7 13.9	1.902	2.884	4.5	19.8
10 18	0 45.90	− 8 27.6	1.929	2.880	7.2	20.0
10 28	0 39.23	− 9 22.5	1.982	2.875	10.5	20.1
11 7	0 34.18	− 9 55.9	2.059	2.870	13.5	20.3

189400 2008 JY_{34} 10 7.7 139°.07 2°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.66	+16 36.9	2.730	3.475	12.7	21.0
9 8	1 15.13	+16 41.0	2.644	3.486	10.4	20.9
9 18	1 8.94	+16 32.1	2.579	3.497	7.8	20.7
9 28	1 1.52	+16 10.5	2.539	3.507	5.0	20.6
10 8	0 53.49	+15 38.1	2.528	3.517	2.8	20.4
10 18	0 45.54	+14 58.0	2.547	3.526	3.5	20.5
10 28	0 38.38	+14 14.7	2.595	3.535	6.1	20.7
11 7	0 32.57	+13 32.7	2.671	3.543	8.8	20.9

440862 2006 SM_{329} 10 7.7 334°.02 1°.2/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.17	+ 4 20.4	1.766	2.590	15.7	21.5
9 8	1 14.91	+ 4 3.2	1.683	2.584	12.4	21.2
9 18	1 9.31	+ 3 35.2	1.620	2.578	8.5	21.0
9 28	1 1.88	+ 2 59.8	1.582	2.573	4.2	20.7
10 8	0 53.48	+ 2 22.1	1.570	2.568	1.4	20.5
10 18	0 45.12	+ 1 47.8	1.586	2.564	5.4	20.8
10 28	0 37.84	+ 1 22.8	1.628	2.560	9.7	21.0
11 7	0 32.49	+ 1 11.1	1.693	2.556	13.5	21.3

111291 2001 XB_{51} 10 7.7 311°.68 7°.8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.01	+28 56.6	1.988	2.692	18.0	19.4
9 8	1 14.22	+29 34.5	1.889	2.682	15.9	19.2
9 18	1 9.01	+29 49.5	1.807	2.673	13.3	19.0
9 28	1 1.82	+29 37.6	1.745	2.663	10.7	18.8
10 8	0 53.48	+28 57.9	1.706	2.654	8.5	18.7
10 18	0 45.03	+27 52.7	1.692	2.645	7.9	18.6
10 28	0 37.62	+26 28.3	1.704	2.636	9.3	18.7
11 7	0 32.18	+24 54.4	1.741	2.628	11.9	18.8

476049 2007 RB_{293} 10 7.7 132°.28 2°.4/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 24.84	− 0 38.8	2.118	2.927	13.9	20.9
9 8	1 19.52	− 0 52.3	2.044	2.937	10.9	20.7
9 18	1 12.10	− 1 10.9	1.992	2.946	7.5	20.5
9 28	1 3.14	− 1 30.8	1.967	2.955	3.9	20.3
10 8	0 53.46	− 1 47.8	1.971	2.964	2.6	20.2
10 18	0 43.96	− 1 57.7	2.004	2.972	5.5	20.4
10 28	0 35.55	− 1 57.5	2.065	2.980	9.0	20.7
11 7	0 28.92	− 1 45.4	2.152	2.988	12.1	20.9

452530 2004 TY_{95} 10 7.7 18°.85 1°.2/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.24	+ 2 51.8	1.991	2.807	14.5	21.1
9 8	1 16.15	+ 2 48.5	1.913	2.809	11.4	20.9
9 18	1 9.93	+ 2 37.5	1.856	2.812	7.8	20.6
9 28	1 2.11	+ 2 21.9	1.825	2.815	3.9	20.4
10 8	0 53.49	+ 2 5.5	1.821	2.819	1.3	20.2
10 18	0 44.97	+ 1 52.6	1.846	2.823	4.9	20.5
10 28	0 37.49	+ 1 47.0	1.898	2.827	8.7	20.7
11 7	0 31.77	+ 1 51.6	1.974	2.831	12.1	21.0

487222 2014 OJ_{390} 10 7.7 36°.07 9°.3/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.13	−19 31.4	2.040	2.877	13.4	21.1
9 8	1 12.87	−21 10.5	1.995	2.884	11.3	21.0
9 18	1 7.61	−22 42.3	1.973	2.892	9.8	20.9
9 28	1 0.89	−23 57.9	1.976	2.900	9.3	20.9
10 8	0 53.53	−24 50.4	2.004	2.908	10.1	21.0
10 18	0 46.38	−25 15.4	2.055	2.916	11.7	21.1
10 28	0 40.30	−25 11.8	2.128	2.925	13.7	21.3
11 7	0 35.91	−24 41.7	2.221	2.934	15.5	21.4

41041 1999 VV_{1} 10 7.7 51°.33 0°.6/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.98	+13 17.6	1.628	2.435	17.6	17.9
9 8	1 12.49	+12 16.3	1.557	2.444	14.0	17.7
9 18	1 7.62	+10 52.6	1.505	2.454	9.9	17.5
9 28	1 1.00	+ 9 10.6	1.477	2.464	5.2	17.2
10 8	0 53.52	+ 7 18.4	1.475	2.474	0.6	16.9
10 18	0 46.25	+ 5 26.0	1.501	2.484	4.8	17.3
10 28	0 40.19	+ 3 43.6	1.555	2.495	9.3	17.6
11 7	0 36.11	+ 2 19.4	1.633	2.506	13.3	17.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
225174 2008 HO_5			10 7.7	87°.91	0°.4/ 8.1	16
	h m	° ′			°	m
8 29	1 21.64	+10 9.3	1.573	2.380	18.0	21.4
9 8	1 17.69	+ 9 42.3	1.509	2.398	14.3	21.2
9 18	1 11.17	+ 8 58.0	1.466	2.416	10.0	21.0
9 28	1 2.75	+ 7 59.7	1.445	2.433	5.1	20.8
10 8	0 53.47	+ 6 53.5	1.451	2.450	0.4	20.4
10 18	0 44.49	+ 5 47.3	1.485	2.467	4.9	20.8
10 28	0 36.93	+ 4 48.9	1.545	2.484	9.5	21.1
11 7	0 31.58	+ 4 4.4	1.629	2.500	13.4	21.4
340543 2006 KJ_{14}			10 7.7	139°.79	4°.5/ 3.3	18
8 29	1 20.85	− 4 46.0	2.075	2.901	13.6	21.1
9 8	1 16.43	− 5 42.0	2.008	2.910	10.7	20.9
9 18	1 10.00	− 6 41.9	1.964	2.919	7.5	20.7
9 28	1 2.09	− 7 39.6	1.946	2.927	4.9	20.6
10 8	0 53.50	− 8 28.6	1.956	2.934	4.8	20.6
10 18	0 45.09	− 9 3.7	1.994	2.942	7.3	20.8
10 28	0 37.73	− 9 21.3	2.059	2.948	10.3	21.0
11 7	0 32.08	− 9 20.1	2.147	2.955	13.1	21.2
268890 2007 BM_{29}			10 7.7	224°.16	2°.0/ 5.9	18
8 29	1 20.47	+ 3 38.4	1.796	2.616	15.6	21.8
9 8	1 16.70	+ 2 56.6	1.710	2.609	12.3	21.6
9 18	1 10.55	+ 2 2.7	1.645	2.603	8.4	21.3
9 28	1 2.52	+ 1 1.2	1.605	2.595	4.2	21.1
10 8	0 53.48	− 0 1.3	1.592	2.588	2.3	20.9
10 18	0 44.47	− 0 57.7	1.607	2.580	6.0	21.2
10 28	0 36.56	− 1 41.3	1.649	2.572	10.3	21.4
11 7	0 30.60	− 2 7.8	1.715	2.563	14.0	21.6
407156 2009 UP_6			10 7.7	346°.25	0°.6/ 7.2	17
8 29	1 14.33	+ 6 47.6	1.801	2.624	15.5	21.3
9 8	1 11.86	+ 6 24.0	1.717	2.617	12.3	21.1
9 18	1 7.20	+ 5 47.0	1.653	2.610	8.5	20.9
9 28	1 0.83	+ 5 0.1	1.613	2.604	4.2	20.6
10 8	0 53.54	+ 4 8.4	1.600	2.599	0.7	20.3
10 18	0 46.29	+ 3 18.1	1.614	2.594	4.9	20.6
10 28	0 40.04	+ 2 35.8	1.654	2.590	9.2	20.9
11 7	0 35.59	+ 2 6.5	1.718	2.587	12.9	21.1
162115 1998 SP_{10}			10 7.7	352°.73	4°.7/ 2.8	18
8 29	1 7.48	+ 3 20.5	1.275	2.141	18.1	18.7
9 8	1 7.25	+ 1 20.5	1.205	2.134	14.0	18.5
9 18	1 4.42	− 1 1.1	1.156	2.127	9.5	18.2
9 28	0 59.54	− 3 33.3	1.131	2.122	5.5	17.9
10 8	0 53.58	− 6 1.2	1.130	2.118	5.6	17.9
10 18	0 47.71	− 8 9.7	1.155	2.116	9.7	18.2
10 28	0 43.12	− 9 47.1	1.202	2.115	14.2	18.4
11 7	0 40.69	−10 48.1	1.270	2.115	18.2	18.7
514196 2015 MD_{111}			10 7.7	121°.62	1°.8/ 9.5	18
8 29	1 20.67	+13 2.7	2.029	2.809	15.5	22.0
9 8	1 16.49	+12 58.1	1.950	2.818	12.5	21.8
9 18	1 10.17	+12 38.3	1.891	2.828	9.0	21.6
9 28	1 2.24	+12 4.5	1.856	2.837	5.2	21.4
10 8	0 53.51	+11 20.3	1.849	2.846	1.9	21.2
10 18	0 44.90	+10 30.4	1.871	2.854	4.0	21.4
10 28	0 37.36	+ 9 41.0	1.921	2.862	7.8	21.7
11 7	0 31.60	+ 8 57.9	1.997	2.870	11.2	21.9
145492 2005 WD_6			10 7.7	298°.81	3°.9/ 2.1	17
8 29	1 12.98	− 6 35.7	2.919	3.747	10.0	19.8
9 8	1 9.89	− 7 30.8	2.824	3.727	7.9	19.7
9 18	1 5.38	− 8 28.7	2.754	3.706	5.7	19.5
9 28	0 59.78	− 9 25.0	2.710	3.686	4.1	19.4
10 8	0 53.60	−10 14.8	2.695	3.666	4.3	19.4
10 18	0 47.39	−10 54.2	2.709	3.645	6.2	19.5
10 28	0 41.76	−11 19.6	2.750	3.625	8.5	19.6
11 7	0 37.21	−11 29.5	2.815	3.605	10.8	19.7
477858 2011 GV_{57}			10 7.7	60°.12	9°.0/ 4.3	16
8 29	1 47.18	−19 1.1	1.539	2.334	18.9	20.4
9 8	1 36.94	−19 6.7	1.505	2.375	15.5	20.3
9 18	1 23.72	−18 59.6	1.492	2.415	12.0	20.2
9 28	1 8.68	−18 32.1	1.505	2.455	9.5	20.2
10 8	0 53.36	−17 40.1	1.546	2.494	9.2	20.2
10 18	0 39.28	−16 24.3	1.616	2.534	11.0	20.4
10 28	0 27.63	−14 48.9	1.713	2.572	13.7	20.7
11 7	0 19.04	−12 59.8	1.834	2.610	16.2	21.0
28767 2000 HA_{17}			10 7.7	336°.24	2°.3/ 6.1	18
8 29	1 15.14	+ 3 35.7	1.214	2.071	19.4	18.6
9 8	1 13.64	+ 3 7.8	1.138	2.057	15.4	18.3
9 18	1 9.09	+ 2 24.4	1.079	2.045	10.6	18.0
9 28	1 2.02	+ 1 30.7	1.041	2.034	5.3	17.7
10 8	0 53.53	+ 0 35.1	1.026	2.023	2.6	17.5
10 18	0 45.02	− 0 13.1	1.035	2.014	7.5	17.7
10 28	0 37.96	− 0 44.9	1.068	2.006	12.8	18.0
11 7	0 33.49	− 0 55.1	1.120	1.999	17.6	18.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
461279 2015 XP_{65}			10 7.7	0°.88	5°.1/ 2.4	16
	h m	° ′			°	m
8 29	1 16.33	− 7 1.0	2.074	2.912	13.2	21.2
9 8	1 12.99	− 7 57.7	2.004	2.911	10.4	21.0
9 18	1 7.72	− 8 56.7	1.956	2.911	7.5	20.8
9 28	1 1.00	− 9 51.9	1.934	2.911	5.4	20.7
10 8	0 53.57	−10 36.8	1.939	2.911	5.6	20.7
10 18	0 46.26	−11 6.3	1.971	2.912	7.9	20.9
10 28	0 39.91	−11 16.9	2.029	2.913	10.7	21.0
11 7	0 35.16	−11 7.9	2.109	2.914	13.4	21.2
129602 1997 WA_{12}			10 7.7	68°.50	1°.8/11.6	18
8 29	1 9.19	+18 15.7	4.492	5.223	8.3	19.5
9 8	1 6.39	+17 58.3	4.393	5.225	6.8	19.4
9 18	1 2.68	+17 31.7	4.317	5.228	5.1	19.3
9 28	0 58.33	+16 56.6	4.267	5.230	3.4	19.2
10 8	0 53.66	+16 14.6	4.246	5.232	2.0	19.1
10 18	0 49.02	+15 27.8	4.256	5.234	2.3	19.1
10 28	0 44.76	+14 38.9	4.296	5.237	3.8	19.2
11 7	0 41.21	+13 50.8	4.364	5.239	5.6	19.3
518014 2015 VR_{94}			10 7.7	33°.13	3°.5/11.6	18
8 29	1 15.64	+19 1.6	2.124	2.883	15.5	20.6
9 8	1 12.58	+18 56.5	2.038	2.887	12.9	20.4
9 18	1 7.53	+18 32.7	1.972	2.891	9.8	20.2
9 28	1 0.95	+17 50.4	1.928	2.894	6.5	20.0
10 8	0 53.58	+16 52.4	1.912	2.899	3.8	19.9
10 18	0 46.29	+15 43.5	1.923	2.903	4.3	19.9
10 28	0 39.94	+14 30.5	1.962	2.907	7.3	20.1
11 7	0 35.23	+13 20.5	2.027	2.912	10.5	20.3
51142 2000 HR_{47}			10 7.7	316°.29	0°.7/ 8.4	18
8 29	1 15.90	+11 1.1	1.846	2.650	15.9	18.9
9 8	1 13.09	+10 34.5	1.758	2.644	12.8	18.7
9 18	1 8.06	+ 9 51.0	1.690	2.638	9.0	18.5
9 28	1 1.28	+ 8 53.0	1.646	2.633	4.8	18.2
10 8	0 53.58	+ 7 45.5	1.628	2.627	0.7	17.9
10 18	0 45.89	+ 6 35.3	1.639	2.622	4.4	18.2
10 28	0 39.22	+ 5 29.8	1.676	2.617	8.7	18.4
11 7	0 34.36	+ 4 35.7	1.738	2.612	12.6	18.6
309037 2006 UR_{197}			10 7.7	19°.66	1°.1/ 6.7	18
8 29	1 18.46	+ 4 46.2	1.962	2.777	14.7	21.0
9 8	1 14.83	+ 4 23.0	1.882	2.778	11.6	20.8
9 18	1 9.09	+ 3 49.3	1.822	2.778	7.9	20.6
9 28	1 1.74	+ 3 8.6	1.789	2.779	3.9	20.3
10 8	0 53.57	+ 2 25.8	1.782	2.780	1.2	20.2
10 18	0 45.48	+ 1 46.4	1.803	2.781	4.9	20.4
10 28	0 38.40	+ 1 15.5	1.852	2.782	8.9	20.7
11 7	0 33.07	+ 0 57.1	1.926	2.783	12.3	20.9
64485 2001 VC_{49}			10 7.7	317°.24	1°.5/ 6.3	18
8 29	1 17.60	+ 3 52.2	1.976	2.795	14.5	19.5
9 8	1 14.19	+ 3 24.6	1.892	2.791	11.4	19.3
9 18	1 8.68	+ 2 46.9	1.829	2.787	7.8	19.1
9 28	1 1.56	+ 2 2.8	1.792	2.783	3.9	18.8
10 8	0 53.59	+ 1 17.4	1.782	2.779	1.6	18.7
10 18	0 45.67	+ 0 36.4	1.800	2.775	5.2	18.9
10 28	0 38.72	+ 0 5.0	1.845	2.772	9.1	19.2
11 7	0 33.48	− 0 12.9	1.914	2.768	12.5	19.4
65302 2002 JB_{49}			10 7.7	70°.52	2°.8/10.9	18
8 29	1 16.33	+17 18.8	2.250	3.011	14.6	19.2
9 8	1 12.94	+17 10.3	2.168	3.021	12.0	19.0
9 18	1 7.66	+16 45.1	2.106	3.030	9.0	18.8
9 28	1 0.98	+16 3.9	2.068	3.039	5.7	18.6
10 8	0 53.61	+15 9.6	2.058	3.048	3.0	18.5
10 18	0 46.33	+14 7.0	2.076	3.057	3.9	18.6
10 28	0 39.97	+13 2.1	2.122	3.067	6.9	18.8
11 7	0 35.16	+12 1.2	2.195	3.076	10.0	19.0
7941 1991 NE_1			10 7.7	348°.37	4°.0/12.0	18
8 29	1 17.42	+19 24.2	2.296	3.044	14.8	17.7
9 8	1 13.90	+19 42.1	2.203	3.042	12.4	17.6
9 18	1 8.42	+19 43.7	2.130	3.041	9.6	17.4
9 28	1 1.42	+19 28.6	2.081	3.040	6.6	17.2
10 8	0 53.59	+18 57.9	2.058	3.039	4.3	17.1
10 18	0 45.76	+18 14.8	2.063	3.039	4.6	17.1
10 28	0 38.80	+17 24.7	2.096	3.038	7.1	17.2
11 7	0 33.40	+16 33.7	2.155	3.038	10.1	17.4
477264 2009 SA_{79}			10 7.7	113°.64	3°.0/10.3	16
8 29	1 22.28	+15 45.6	1.680	2.460	18.2	21.5
9 8	1 18.28	+15 48.0	1.605	2.471	14.9	21.3
9 18	1 11.69	+15 30.6	1.549	2.481	11.0	21.1
9 28	1 3.11	+14 53.9	1.515	2.491	6.7	20.9
10 8	0 53.55	+14 1.2	1.508	2.501	3.3	20.7
10 18	0 44.14	+12 58.7	1.528	2.510	4.8	20.8
10 28	0 36.07	+11 54.4	1.574	2.519	8.8	21.1
11 7	0 30.18	+10 56.4	1.646	2.528	12.7	21.3

114816 2003 OT_9 10 7.7 8°.12 3°.6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 15.98	+18 11.8	2.065	2.829	15.7	19.3
9 8	1 12.95	+18 16.9	1.977	2.830	13.0	19.1
9 18	1 7.85	+18 4.1	1.909	2.831	9.9	18.9
9 28	1 1.15	+17 33.3	1.865	2.832	6.5	18.7
10 8	0 53.60	+16 46.8	1.846	2.834	3.8	18.5
10 18	0 46.09	+15 49.1	1.855	2.836	4.5	18.6
10 28	0 39.54	+14 46.6	1.892	2.838	7.5	18.8
11 7	0 34.68	+13 46.3	1.954	2.840	10.8	19.0

260666 2005 JQ 10 7.7 126°.86 2°.3/ 5.7 17

8 29	1 24.53	+ 2 13.7	1.771	2.586	16.0	21.6
9 8	1 19.66	+ 1 34.9	1.705	2.602	12.5	21.4
9 18	1 12.39	+ 0 46.5	1.660	2.616	8.5	21.2
9 28	1 3.37	− 0 6.5	1.640	2.630	4.3	21.0
10 8	0 53.54	− 0 57.7	1.648	2.643	2.6	20.9
10 18	0 43.99	− 1 40.6	1.685	2.656	6.1	21.1
10 28	0 35.74	− 2 10.2	1.749	2.668	10.0	21.4
11 7	0 29.55	− 2 23.3	1.837	2.679	13.5	21.6

473481 2015 XF_{82} 10 7.7 281°.16 5°.0/ 1.3 18

8 29	1 14.39	− 6 33.5	2.381	3.215	11.8	21.0
9 8	1 11.35	− 7 51.9	2.294	3.200	9.3	20.8
9 18	1 6.57	− 9 14.6	2.232	3.185	6.8	20.7
9 28	1 0.46	−10 35.5	2.196	3.170	5.1	20.5
10 8	0 53.63	−11 47.9	2.189	3.155	5.5	20.5
10 18	0 46.79	−12 45.8	2.209	3.140	7.7	20.7
10 28	0 40.70	−13 24.8	2.256	3.125	10.4	20.8
11 7	0 35.98	−13 43.0	2.325	3.110	12.9	21.0

70842 1999 VX_{96} 10 7.7 188°.10 0°.8/ 8.5 18

8 29	1 18.45	+11 0.2	1.963	2.757	15.4	19.5
9 8	1 14.91	+10 35.9	1.877	2.757	12.4	19.3
9 18	1 9.20	+ 9 56.0	1.811	2.757	8.7	19.1
9 28	1 1.83	+ 9 2.8	1.770	2.756	4.6	18.8
10 8	0 53.59	+ 8 0.8	1.757	2.755	0.8	18.6
10 18	0 45.41	+ 6 56.1	1.772	2.754	4.2	18.8
10 28	0 38.24	+ 5 55.7	1.814	2.753	8.3	19.1
11 7	0 32.85	+ 5 5.6	1.882	2.752	12.0	19.3

387752 2003 SE_{22} 10 7.7 7°.70 6°.8/12.9 18

8 29	1 21.77	+21 12.9	1.602	2.362	19.7	20.0
9 8	1 18.37	+22 15.3	1.520	2.362	16.8	19.8
9 18	1 12.10	+22 57.6	1.456	2.363	13.4	19.6
9 28	1 3.49	+23 15.9	1.413	2.364	9.9	19.4
10 8	0 53.55	+23 9.2	1.394	2.366	7.2	19.2
10 18	0 43.56	+22 40.2	1.399	2.369	7.2	19.2
10 28	0 34.91	+21 55.4	1.430	2.372	9.9	19.4
11 7	0 28.65	+21 4.3	1.485	2.375	13.3	19.6

282695 2006 AJ_{22} 10 7.7 261°.15 3°.2/ 4.3 18

8 29	1 18.95	− 3 12.8	2.417	3.236	12.1	20.8
9 8	1 14.85	− 3 44.3	2.326	3.225	9.5	20.6
9 18	1 8.94	− 4 19.9	2.258	3.213	6.6	20.4
9 28	1 1.64	− 4 55.3	2.216	3.201	4.0	20.2
10 8	0 53.61	− 5 26.0	2.203	3.189	3.5	20.2
10 18	0 45.57	− 5 47.6	2.219	3.176	5.9	20.3
10 28	0 38.33	− 5 56.6	2.262	3.164	8.9	20.5
11 7	0 32.52	− 5 51.4	2.330	3.151	11.8	20.6

476549 2008 JB_{10} 10 7.7 87°.05 1°.5/ 6.6 16

8 29	1 23.21	+ 4 44.7	1.580	2.400	17.4	22.1
9 8	1 18.86	+ 4 14.8	1.520	2.419	13.6	21.9
9 18	1 11.95	+ 3 32.6	1.480	2.437	9.3	21.7
9 28	1 3.17	+ 2 42.8	1.464	2.455	4.5	21.5
10 8	0 53.56	+ 1 51.9	1.475	2.473	1.6	21.3
10 18	0 44.29	+ 1 6.8	1.514	2.491	5.8	21.6
10 28	0 36.45	+ 0 33.5	1.579	2.508	10.1	21.9
11 7	0 30.83	+ 0 16.0	1.667	2.525	13.9	22.2

234126 1999 YQ_{15} 10 7.7 129°.11 0°.4/ 8.1 18

8 29	1 19.28	+10 1.9	2.092	2.884	14.7	20.9
9 8	1 15.29	+ 9 31.9	2.015	2.895	11.7	20.7
9 18	1 9.30	+ 8 47.9	1.958	2.905	8.1	20.5
9 28	1 1.81	+ 7 52.7	1.927	2.914	4.2	20.3
10 8	0 53.60	+ 6 51.0	1.925	2.924	0.4	20.0
10 18	0 45.54	+ 5 48.7	1.951	2.933	4.1	20.4
10 28	0 38.48	+ 4 51.8	2.005	2.941	7.9	20.6
11 7	0 33.10	+ 4 5.6	2.086	2.949	11.3	20.8

193 Ambrosia 10 7.7 327°.45 5°.7/10.3 18 A

8 29	1 21.09	+13 33.3	1.327	2.137	20.6	13.0
9 8	1 18.80	+14 55.9	1.224	2.107	17.4	12.7
9 18	1 13.16	+16 7.5	1.139	2.077	13.4	12.3
9 28	1 4.42	+17 4.1	1.074	2.048	9.1	12.0
10 8	0 53.52	+17 42.9	1.032	2.021	5.8	11.7
10 18	0 41.93	+18 3.3	1.015	1.994	7.3	11.7
10 28	0 31.50	+18 9.3	1.021	1.969	11.9	11.9
11 7	0 23.83	+18 8.5	1.048	1.946	16.9	12.1

226521 2003 UW_{66} 10 7.7 16°.16 3°.3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.78	− 1 1.4	1.703	2.543	15.5	19.9
9 8	1 13.73	− 1 30.6	1.639	2.550	12.1	19.7
9 18	1 8.41	− 2 6.5	1.595	2.557	8.3	19.5
9 28	1 1.42	− 2 43.6	1.576	2.565	4.6	19.3
10 8	0 53.62	− 3 15.8	1.583	2.574	3.5	19.3
10 18	0 46.03	− 3 37.7	1.616	2.584	6.6	19.5
10 28	0 39.61	− 3 45.1	1.675	2.595	10.4	19.8
11 7	0 35.08	− 3 35.9	1.757	2.606	13.7	20.0

195333 2002 EE_{135} 10 7.7 203°.47 0°.7/ 8.3 18

8 29	1 20.94	+ 9 32.2	1.909	2.706	15.7	20.8
9 8	1 16.96	+ 9 23.7	1.822	2.704	12.6	20.6
9 18	1 10.69	+ 9 1.4	1.756	2.702	8.9	20.4
9 28	1 2.63	+ 8 27.2	1.713	2.700	4.7	20.1
10 8	0 53.60	+ 7 45.1	1.699	2.697	0.7	19.8
10 18	0 44.61	+ 7 0.3	1.712	2.695	4.4	20.1
10 28	0 36.69	+ 6 19.0	1.753	2.692	8.6	20.4
11 7	0 30.63	+ 5 46.6	1.819	2.688	12.4	20.6

7558 Yurlov 10 7.7 314°.69 3°.6/10.5 18

8 29	1 17.73	+15 51.2	1.366	2.171	20.4	16.8
9 8	1 15.57	+16 1.5	1.280	2.161	16.9	16.5
9 18	1 10.40	+15 48.6	1.212	2.151	12.7	16.2
9 28	1 2.73	+15 11.4	1.164	2.142	7.9	15.9
10 8	0 53.60	+14 13.1	1.139	2.133	3.9	15.7
10 18	0 44.38	+13 0.5	1.140	2.124	5.7	15.8
10 28	0 36.54	+11 44.1	1.165	2.116	10.5	16.0
11 7	0 31.24	+10 34.9	1.212	2.108	15.2	16.3

358365 2006 WL_{201} 10 7.7 310°.47 15°.8/14.6 18

8 29	1 27.52	+28 22.0	1.157	1.906	26.4	20.4
9 8	1 25.20	+31 9.2	1.072	1.889	23.9	20.2
9 18	1 18.53	+33 38.5	1.002	1.873	21.1	19.9
9 28	1 7.59	+35 36.9	0.948	1.857	18.3	19.7
10 8	0 53.45	+36 51.6	0.912	1.842	16.2	19.5
10 18	0 38.20	+37 14.4	0.896	1.827	15.9	19.4
10 28	0 24.58	+36 48.1	0.900	1.813	17.6	19.5
11 7	0 14.90	+35 46.7	0.921	1.800	20.4	19.6

435048 2006 WS_{78} 10 7.7 270°.34 3°.0/ 5.6 18

8 29	1 23.41	+ 0 11.5	1.609	2.438	16.7	21.7
9 8	1 19.49	− 0 12.0	1.518	2.422	13.3	21.4
9 18	1 12.80	− 0 44.4	1.447	2.406	9.2	21.1
9 28	1 3.85	− 1 20.9	1.401	2.390	4.9	20.8
10 8	0 53.58	− 1 54.9	1.380	2.374	3.3	20.7
10 18	0 43.21	− 2 20.0	1.387	2.357	7.1	20.9
10 28	0 34.05	− 2 30.4	1.419	2.341	11.7	21.1
11 7	0 27.13	− 2 22.8	1.474	2.324	15.8	21.3

486968 2014 NA_{17} 10 7.7 7°.58 1°.9/ 9.6 18

8 29	1 7.37	+15 26.0	1.293	2.122	20.1	19.5
9 8	1 7.18	+14 48.4	1.227	2.125	16.3	19.3
9 18	1 4.37	+13 43.0	1.178	2.129	11.8	19.0
9 28	0 59.53	+12 13.2	1.151	2.136	6.7	18.8
10 8	0 53.70	+10 26.9	1.147	2.144	2.1	18.5
10 18	0 48.02	+ 8 35.5	1.168	2.155	5.0	18.7
10 28	0 43.67	+ 6 51.5	1.214	2.167	9.9	19.0
11 7	0 41.47	+ 5 25.2	1.282	2.180	14.4	19.3

490561 2009 WY_{25} 10 7.7 351°.10 2°.2/ 4.4 18

8 29	1 12.48	− 3 12.6	3.589	4.404	8.6	20.3
9 8	1 9.14	− 3 32.5	3.503	4.400	6.7	20.1
9 18	1 4.67	− 3 54.6	3.442	4.397	4.6	20.0
9 28	0 59.39	− 4 16.3	3.409	4.395	2.7	19.9
10 8	0 53.71	− 4 34.9	3.406	4.392	2.4	19.8
10 18	0 48.06	− 4 47.9	3.431	4.390	4.0	20.0
10 28	0 42.91	− 4 53.2	3.486	4.387	6.1	20.1
11 7	0 38.65	− 4 49.6	3.567	4.386	8.1	20.2

247277 2001 SK_{135} 10 7.7 0°.94 1°.5/ 8.9 18

8 29	1 20.27	+10 5.7	1.755	2.557	16.6	19.8
9 8	1 16.66	+10 22.0	1.672	2.556	13.4	19.6
9 18	1 10.60	+10 25.0	1.610	2.556	9.6	19.4
9 28	1 2.62	+10 15.5	1.571	2.556	5.3	19.2
10 8	0 53.62	+ 9 56.3	1.558	2.556	1.6	18.9
10 18	0 44.65	+ 9 32.0	1.573	2.557	4.5	19.1
10 28	0 36.84	+ 9 8.0	1.615	2.558	8.8	19.4
11 7	0 31.04	+ 8 49.8	1.681	2.560	12.7	19.6

351175 2004 BR_{52} 10 7.7 193°.48 2°.0/ 5.5 18

8 29	1 18.61	+ 2 23.5	2.280	3.092	13.0	21.9
9 8	1 14.65	+ 1 41.1	2.195	3.090	10.2	21.7
9 18	1 8.83	+ 0 50.1	2.132	3.088	6.9	21.5
9 28	1 1.60	− 0 5.5	2.097	3.086	3.5	21.3
10 8	0 53.65	− 1 0.6	2.089	3.084	2.2	21.2
10 18	0 45.75	− 1 49.6	2.111	3.080	5.2	21.4
10 28	0 38.72	− 2 27.9	2.161	3.077	8.6	21.6
11 7	0 33.20	− 2 52.1	2.236	3.073	11.6	21.8

511393 2014 GU_{54} 10 7.7 152°.00 1°.3/ 4.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 8.69	+ 1 37.9	4.494	5.299	7.2	21.1
9 8	1 5.96	+ 0 48.2	4.407	5.300	5.5	21.0
9 18	1 2.39	− 0 5.8	4.345	5.300	3.7	20.9
9 28	0 58.22	− 1 1.7	4.313	5.301	2.0	20.7
10 8	0 53.74	− 1 56.8	4.311	5.302	1.5	20.7
10 18	0 49.29	− 2 48.4	4.340	5.303	3.0	20.8
10 28	0 45.21	− 3 33.9	4.398	5.304	4.8	21.0
11 7	0 41.79	− 4 11.5	4.485	5.305	6.5	21.1

130259 2000 DV_{33} 10 7.7 225°.64 1°.4/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.90	+12 40.1	2.777	3.546	12.0	21.1
9 8	1 13.07	+12 30.9	2.676	3.538	9.7	20.9
9 18	1 7.64	+12 10.3	2.596	3.530	7.0	20.7
9 28	1 0.98	+11 39.1	2.543	3.522	4.0	20.5
10 8	0 53.67	+11 0.0	2.518	3.514	1.5	20.3
10 18	0 46.34	+10 16.4	2.523	3.506	3.2	20.5
10 28	0 39.67	+ 9 32.6	2.557	3.497	6.2	20.6
11 7	0 34.25	+ 8 52.9	2.619	3.488	9.1	20.8

255215 2005 UG_{355} 10 7.7 321°.95 4°.1/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.25	+20 12.2	2.094	2.847	15.9	20.2
9 8	1 13.23	+20 17.9	2.000	2.842	13.3	20.0
9 18	1 8.10	+20 4.5	1.925	2.838	10.3	19.8
9 28	1 1.33	+19 31.4	1.873	2.834	7.1	19.6
10 8	0 53.66	+18 40.4	1.847	2.830	4.5	19.5
10 18	0 45.98	+17 35.9	1.848	2.826	4.8	19.5
10 28	0 39.24	+16 24.5	1.877	2.822	7.6	19.7
11 7	0 34.19	+15 13.8	1.932	2.819	10.9	19.9

390186 2012 WW_{17} 10 7.7 285°.93 2°.8/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.03	+14 52.7	1.790	2.575	17.0	20.9
9 8	1 15.75	+14 56.8	1.700	2.570	14.0	20.7
9 18	1 10.03	+14 43.0	1.630	2.565	10.3	20.5
9 28	1 2.37	+14 11.3	1.582	2.559	6.3	20.2
10 8	0 53.64	+13 24.7	1.560	2.554	2.9	20.0
10 18	0 44.88	+12 28.4	1.566	2.549	4.6	20.1
10 28	0 37.23	+11 29.8	1.598	2.544	8.7	20.3
11 7	0 31.56	+10 36.4	1.656	2.539	12.6	20.6

364662 2007 TS_{259} 10 7.7 41°.91 0°.9/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.78	+10 24.1	0.966	1.814	23.9	20.8
9 8	1 18.24	+10 11.8	0.926	1.837	19.0	20.6
9 18	1 12.13	+ 9 35.5	0.901	1.860	13.2	20.4
9 28	1 3.40	+ 8 39.6	0.895	1.885	6.9	20.1
10 8	0 53.61	+ 7 33.1	0.911	1.910	0.9	19.8
10 18	0 44.46	+ 6 27.0	0.951	1.937	6.2	20.3
10 28	0 37.46	+ 5 32.1	1.014	1.963	11.9	20.7
11 7	0 33.50	+ 4 55.7	1.097	1.990	16.6	21.1

118651 2000 JV_{33} 10 7.7 111°.40 3°.3/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.13	+17 1.0	1.749	2.523	17.8	19.9
9 8	1 17.30	+16 58.7	1.673	2.533	14.6	19.7
9 18	1 10.99	+16 36.0	1.616	2.544	10.9	19.5
9 28	1 2.78	+15 53.4	1.581	2.554	6.8	19.2
10 8	0 53.64	+14 54.1	1.573	2.564	3.5	19.1
10 18	0 44.65	+13 44.4	1.591	2.574	4.7	19.2
10 28	0 36.93	+12 32.5	1.638	2.583	8.5	19.4
11 7	0 31.29	+11 26.6	1.709	2.592	12.3	19.7

274053 2007 SM_{20} 10 7.7 47°.54 4°.9/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 24.33	+15 53.2	1.143	1.953	23.3	19.9
9 8	1 20.98	+16 39.0	1.088	1.969	19.2	19.7
9 18	1 14.11	+17 1.0	1.047	1.985	14.4	19.5
9 28	1 4.51	+16 57.3	1.027	2.002	9.3	19.3
10 8	0 53.60	+16 30.0	1.028	2.019	5.2	19.1
10 18	0 43.04	+15 45.7	1.054	2.037	6.5	19.3
10 28	0 34.47	+14 54.7	1.104	2.055	11.0	19.6
11 7	0 28.96	+14 7.4	1.175	2.073	15.4	19.9

172900 2005 GQ_{51} 10 7.7 125°.06 2°.7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.90	+ 1 1.3	2.021	2.843	14.1	20.6
9 8	1 15.05	+ 0 15.1	1.948	2.849	11.0	20.4
9 18	1 9.17	− 0 39.4	1.897	2.855	7.5	20.2
9 28	1 1.79	− 1 37.1	1.872	2.861	4.0	20.0
10 8	0 53.67	− 2 32.2	1.875	2.867	2.9	20.0
10 18	0 45.70	− 3 18.7	1.906	2.873	5.9	20.2
10 28	0 38.74	− 3 51.7	1.964	2.878	9.4	20.4
11 7	0 33.48	− 4 8.5	2.047	2.883	12.6	20.6

330542 2008 AH_{16} 10 7.7 208°.24 0°.7/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.62	+ 7 20.5	1.861	2.665	15.8	22.1
9 8	1 17.59	+ 6 42.0	1.771	2.660	12.5	21.9
9 18	1 11.19	+ 5 48.7	1.702	2.654	8.7	21.7
9 28	1 2.92	+ 4 44.2	1.658	2.647	4.3	21.4
10 8	0 53.64	+ 3 34.2	1.641	2.640	0.9	21.1
10 18	0 44.37	+ 2 26.0	1.654	2.632	5.2	21.4
10 28	0 36.18	+ 1 26.9	1.694	2.623	9.5	21.7
11 7	0 29.91	+ 0 42.5	1.758	2.614	13.4	21.9

36242 1999 VX_{71} 10 7.7 88°.20 0°.8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 20.17	+ 4 13.3	2.214	3.020	13.5	18.4
9 8	1 15.89	+ 4 4.4	2.134	3.025	10.7	18.2
9 18	1 9.69	+ 3 47.3	2.077	3.030	7.3	18.0
9 28	1 2.04	+ 3 24.8	2.045	3.035	3.6	17.8
10 8	0 53.67	+ 3 0.6	2.041	3.040	0.9	17.6
10 18	0 45.40	+ 2 38.7	2.067	3.045	4.4	17.9
10 28	0 38.07	+ 2 23.2	2.121	3.049	7.9	18.1
11 7	0 32.33	+ 2 17.0	2.200	3.054	11.1	18.3

74673 1999 RG_{105} 10 7.7 43°.58 1°.4/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.49	+ 5 28.8	1.091	1.941	21.6	18.8
9 8	1 18.42	+ 5 4.0	1.047	1.962	17.0	18.6
9 18	1 12.08	+ 4 22.7	1.020	1.984	11.5	18.3
9 28	1 3.35	+ 3 30.8	1.014	2.006	5.6	18.1
10 8	0 53.64	+ 2 37.2	1.031	2.030	1.6	17.9
10 18	0 44.49	+ 1 50.8	1.073	2.054	6.8	18.3
10 28	0 37.28	+ 1 19.5	1.138	2.078	12.0	18.7
11 7	0 32.89	+ 1 7.4	1.224	2.103	16.4	19.0

137363 1999 TD_{117} 10 7.7 347°.79 1°.2/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.38	+11 32.9	1.186	2.024	21.0	19.3
9 8	1 13.13	+11 16.4	1.112	2.018	17.0	19.1
9 18	1 8.79	+10 35.8	1.055	2.012	12.1	18.8
9 28	1 1.93	+ 9 33.6	1.019	2.008	6.5	18.5
10 8	0 53.67	+ 8 16.4	1.005	2.004	1.2	18.1
10 18	0 45.46	+ 6 54.5	1.015	2.001	5.8	18.4
10 28	0 38.78	+ 5 39.8	1.049	1.999	11.5	18.7
11 7	0 34.72	+ 4 42.3	1.104	1.998	16.5	19.0

450487 2005 YD_{64} 10 7.7 207°.08 3°.7/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.11	+20 32.3	2.760	3.486	13.0	22.0
9 8	1 14.12	+20 41.7	2.658	3.482	10.9	21.8
9 18	1 8.42	+20 36.5	2.576	3.478	8.5	21.6
9 28	1 1.42	+20 16.1	2.519	3.473	5.9	21.5
10 8	0 53.69	+19 41.7	2.490	3.468	4.0	21.3
10 18	0 45.95	+18 56.1	2.489	3.463	4.1	21.4
10 28	0 38.91	+18 3.7	2.518	3.457	6.3	21.5
11 7	0 33.21	+17 9.9	2.574	3.451	8.9	21.6

91181 1998 RV_{38} 10 7.7 357°.04 3°.4/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.51	+13 49.8	1.946	2.721	16.2	18.8
9 8	1 18.30	+14 37.0	1.857	2.719	13.3	18.6
9 18	1 11.70	+15 11.6	1.789	2.718	10.0	18.4
9 28	1 3.20	+15 32.3	1.744	2.717	6.3	18.2
10 8	0 53.65	+15 39.8	1.726	2.716	3.6	18.0
10 18	0 44.05	+15 36.1	1.736	2.716	4.8	18.1
10 28	0 35.51	+15 25.8	1.774	2.717	8.2	18.3
11 7	0 28.88	+15 14.2	1.837	2.717	11.7	18.5

399044 2013 JF_{33} 10 7.7 62°.90 7°.0/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.02	−12 18.2	2.057	2.895	13.3	19.6
9 8	1 14.14	−13 46.1	2.020	2.921	10.6	19.5
9 18	1 8.36	−15 10.9	2.005	2.947	8.3	19.4
9 28	1 1.29	−16 24.9	2.017	2.973	7.0	19.4
10 8	0 53.70	−17 21.5	2.055	2.999	7.5	19.5
10 18	0 46.43	−17 56.2	2.119	3.025	9.4	19.7
10 28	0 40.25	−18 7.2	2.208	3.051	11.6	19.9
11 7	0 35.72	−17 55.6	2.318	3.077	13.7	20.1

154125 2002 EW_{82} 10 7.7 145°.88 0°.5/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.77	+ 9 48.0	2.486	3.271	12.8	21.5
9 8	1 13.83	+ 9 30.6	2.400	3.276	10.2	21.3
9 18	1 8.19	+ 9 1.8	2.337	3.281	7.1	21.1
9 28	1 1.27	+ 8 23.8	2.300	3.286	3.8	20.9
10 8	0 53.71	+ 7 39.9	2.292	3.290	0.6	20.7
10 18	0 46.22	+ 6 54.4	2.313	3.295	3.5	20.9
10 28	0 39.54	+ 6 12.0	2.363	3.299	6.8	21.2
11 7	0 34.25	+ 5 36.8	2.439	3.303	9.8	21.4

20355 Saraclark 10 7.7 177°.84 2°.3/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.79	+ 3 29.4	1.812	2.629	15.6	19.1
9 8	1 17.66	+ 2 38.4	1.733	2.631	12.3	18.9
9 18	1 11.17	+ 1 35.4	1.676	2.633	8.4	18.7
9 28	1 2.88	+ 0 25.4	1.643	2.634	4.2	18.5
10 8	0 53.67	− 0 44.5	1.639	2.634	2.5	18.3
10 18	0 44.56	− 1 47.0	1.662	2.633	6.1	18.6
10 28	0 36.61	− 2 35.4	1.713	2.632	10.2	18.8
11 7	0 30.62	− 3 5.8	1.788	2.630	13.8	19.1

346149 2007 VH_{251} 10 7.7 248°.87 6°.4/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.07	+27 25.8	1.301	2.056	23.7	21.1
9 8	1 16.29	+26 54.0	1.206	2.045	20.5	20.9
9 18	1 11.16	+25 40.2	1.126	2.033	16.4	20.6
9 28	1 3.23	+23 39.5	1.064	2.020	11.7	20.3
10 8	0 53.65	+20 53.9	1.025	2.007	7.4	20.0
10 18	0 43.99	+17 34.9	1.012	1.994	7.0	19.9
10 28	0 35.93	+14 2.9	1.026	1.980	11.2	20.1
11 7	0 30.71	+10 41.0	1.064	1.965	16.4	20.4

482913 2014 HT_{70} 10 7.7 104°.85 1°.5/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 19.37	+ 4 2.3	1.931	2.748	14.8	22.0
9 8	1 15.58	+ 3 33.6	1.854	2.751	11.7	21.8
9 18	1 9.63	+ 2 54.7	1.799	2.755	7.9	21.5
9 28	1 2.07	+ 2 9.3	1.768	2.759	3.9	21.3
10 8	0 53.69	+ 1 22.9	1.765	2.763	1.6	21.1
10 18	0 45.43	+ 0 41.2	1.791	2.766	5.2	21.4
10 28	0 38.23	+ 0 9.4	1.843	2.770	9.1	21.7
11 7	0 32.81	− 0 8.8	1.920	2.774	12.5	21.9

357690 2005 NA_{27} 10 7.8 120°.21 3°.3/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.10	+17 37.1	2.065	2.828	15.7	21.4
9 8	1 14.64	+17 39.9	1.976	2.829	13.0	21.2
9 18	1 9.04	+17 24.9	1.907	2.830	9.8	21.0
9 28	1 1.81	+16 52.1	1.862	2.831	6.4	20.8
10 8	0 53.70	+16 4.0	1.843	2.832	3.6	20.6
10 18	0 45.62	+15 5.2	1.852	2.833	4.4	20.7
10 28	0 38.53	+14 2.2	1.889	2.833	7.6	20.9
11 7	0 33.17	+13 2.0	1.951	2.834	11.0	21.1

65210 Stichius 10 7.8 196°.20 1°.0/ 5.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.81	+ 1 9.7	4.629	5.426	7.1	19.5
9 8	1 8.34	+ 0 56.6	4.538	5.426	5.5	19.4
9 18	1 4.01	+ 0 40.5	4.472	5.425	3.7	19.3
9 28	0 59.05	+ 0 23.0	4.435	5.424	1.9	19.1
10 8	0 53.78	+ 0 6.0	4.428	5.423	1.1	19.1
10 18	0 48.53	− 0 8.7	4.451	5.421	2.6	19.2
10 28	0 43.66	− 0 19.3	4.505	5.420	4.5	19.3
11 7	0 39.46	− 0 24.4	4.586	5.419	6.2	19.5

396535 2014 GP_{38} 10 7.8 167°.74 5°.5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.68	− 9 53.1	2.429	3.251	12.0	22.0
9 8	1 16.08	−10 58.2	2.360	3.256	9.5	21.9
9 18	1 9.70	−12 3.5	2.316	3.260	7.2	21.7
9 28	1 2.01	−13 2.9	2.298	3.264	5.6	21.6
10 8	0 53.70	−13 50.8	2.309	3.267	5.9	21.7
10 18	0 45.53	−14 22.5	2.347	3.269	7.8	21.8
10 28	0 38.25	−14 35.3	2.413	3.271	10.2	21.9
11 7	0 32.46	−14 28.9	2.502	3.272	12.5	22.1

300402 2007 RF_{260} 10 7.8 356°.56 3°.3/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.45	− 1 3.6	1.574	2.413	16.6	20.1
9 8	1 16.96	− 1 23.4	1.501	2.411	13.1	19.9
9 18	1 10.88	− 1 50.1	1.448	2.409	9.0	19.6
9 28	1 2.80	− 2 18.3	1.418	2.408	4.9	19.4
10 8	0 53.68	− 2 42.1	1.415	2.407	3.5	19.3
10 18	0 44.68	− 2 55.6	1.437	2.407	7.0	19.5
10 28	0 36.98	− 2 54.3	1.485	2.408	11.2	19.8
11 7	0 31.45	− 2 36.4	1.556	2.409	15.0	20.0

260439 2004 XG_{134} 10 7.8 286°.08 1°.4/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.76	+ 2 59.6	2.291	3.103	12.9	20.5
9 8	1 14.10	+ 2 38.7	2.195	3.090	10.2	20.3
9 18	1 8.55	+ 2 9.8	2.122	3.077	7.0	20.1
9 28	1 1.53	+ 1 36.0	2.074	3.064	3.5	19.9
10 8	0 53.71	+ 1 1.3	2.055	3.051	1.6	19.7
10 18	0 45.86	+ 0 30.3	2.064	3.038	4.7	19.9
10 28	0 38.81	+ 0 7.5	2.101	3.026	8.3	20.1
11 7	0 33.23	− 0 4.0	2.164	3.013	11.5	20.3

169718 2002 MJ 10 7.8 66°.33 9°.0/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.93	−14 38.2	1.713	2.559	15.1	19.7
9 8	1 15.43	−16 18.2	1.666	2.568	12.4	19.6
9 18	1 9.58	−17 54.2	1.640	2.578	10.1	19.5
9 28	1 2.02	−19 16.2	1.639	2.587	9.0	19.4
10 8	0 53.70	−20 15.4	1.662	2.597	9.8	19.5
10 18	0 45.66	−20 46.1	1.710	2.607	11.8	19.7
10 28	0 38.90	−20 46.5	1.781	2.616	14.3	19.9
11 7	0 34.14	−20 18.7	1.871	2.626	16.6	20.0

126821 2002 EC_{55} 10 7.8 90°.55 1°.0/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 25.86	+ 9 17.9	1.905	2.693	16.0	19.1
9 8	1 20.54	+ 9 24.3	1.841	2.717	12.8	18.9
9 18	1 12.93	+ 9 18.4	1.797	2.740	9.0	18.8
9 28	1 3.66	+ 9 1.7	1.778	2.763	4.8	18.6
10 8	0 53.66	+ 8 37.6	1.787	2.785	1.0	18.3
10 18	0 43.95	+ 8 10.5	1.825	2.807	4.2	18.6
10 28	0 35.51	+ 7 45.7	1.891	2.829	8.1	18.9
11 7	0 29.07	+ 7 27.6	1.983	2.850	11.6	19.2

312955 1996 RB_{19} 10 7.8 33°.72 0°.4/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.18	+ 8 56.1	4.106	4.883	8.3	21.0
9 8	1 8.00	+ 8 46.5	4.014	4.886	6.5	20.9
9 18	1 3.85	+ 8 30.5	3.947	4.889	4.6	20.7
9 28	0 58.99	+ 8 9.5	3.907	4.893	2.4	20.6
10 8	0 53.78	+ 7 45.4	3.897	4.896	0.4	20.4
10 18	0 48.60	+ 7 20.2	3.917	4.899	2.2	20.6
10 28	0 43.84	+ 6 56.3	3.968	4.903	4.4	20.7
11 7	0 39.84	+ 6 36.0	4.046	4.906	6.3	20.9

123801 2001 BK_{54} 10 7.8 84°.32 3°.9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 20.12	+19 11.4	2.352	3.093	14.6	19.5
9 8	1 15.87	+19 33.5	2.272	3.106	12.2	19.4
9 18	1 9.69	+19 40.0	2.211	3.120	9.4	19.2
9 28	1 2.06	+19 30.4	2.174	3.132	6.4	19.1
10 8	0 53.70	+19 6.0	2.164	3.145	4.2	18.9
10 18	0 45.44	+18 30.0	2.183	3.158	4.5	19.0
10 28	0 38.10	+17 47.2	2.231	3.171	6.9	19.2
11 7	0 32.35	+17 3.5	2.305	3.184	9.7	19.4

483077 2015 LJ_{38} 10 7.8 60°.49 5°.8/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.26	− 5 24.6	1.600	2.446	16.0	20.8
9 8	1 15.74	− 6 38.5	1.549	2.461	12.6	20.7
9 18	1 9.80	− 7 56.3	1.518	2.477	8.9	20.5
9 28	1 2.13	− 9 9.5	1.512	2.492	6.2	20.4
10 8	0 53.71	−10 9.7	1.532	2.508	6.3	20.4
10 18	0 45.60	−10 49.9	1.579	2.524	9.0	20.6
10 28	0 38.83	−11 6.6	1.649	2.540	12.3	20.8
11 7	0 34.12	−10 59.3	1.741	2.556	15.4	21.1

369905 2013 AQ_{30} 10 7.8 90°.76 1°.2/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.39	+ 6 55.7	1.839	2.655	15.5	21.0
9 8	1 14.09	+ 6 1.4	1.768	2.664	12.2	20.8
9 18	1 8.63	+ 4 52.7	1.718	2.674	8.3	20.6
9 28	1 1.56	+ 3 34.4	1.692	2.683	4.0	20.4
10 8	0 53.73	+ 2 13.5	1.695	2.692	1.4	20.2
10 18	0 46.07	+ 0 57.4	1.725	2.702	5.2	20.5
10 28	0 39.50	− 0 6.8	1.783	2.711	9.2	20.7
11 7	0 34.75	− 0 54.1	1.865	2.720	12.8	21.0

333181 2012 DZ_{65} 10 7.8 8°.89 2°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.05	+13 26.6	2.111	2.889	15.0	20.6
9 8	1 15.30	+13 40.8	2.023	2.890	12.2	20.4
9 18	1 9.46	+13 41.3	1.956	2.890	8.9	20.2
9 28	1 2.02	+13 28.4	1.914	2.891	5.4	20.0
10 8	0 53.72	+13 4.3	1.898	2.892	2.5	19.8
10 18	0 45.44	+12 32.7	1.911	2.893	4.0	19.9
10 28	0 38.11	+11 58.8	1.951	2.895	7.5	20.1
11 7	0 32.47	+11 28.0	2.018	2.896	10.9	20.3

406783 2008 RC_{71} 10 7.8 76°.28 5°.8/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.81	+24 34.5	2.400	3.105	15.2	21.2
9 8	1 17.30	+25 19.8	2.318	3.119	13.1	21.1
9 18	1 10.75	+25 48.1	2.255	3.132	10.6	20.9
9 28	1 2.64	+25 57.2	2.215	3.145	8.1	20.8
10 8	0 53.70	+25 47.0	2.201	3.158	6.2	20.7
10 18	0 44.82	+25 19.7	2.214	3.172	6.0	20.7
10 28	0 36.89	+24 39.6	2.256	3.185	7.5	20.8
11 7	0 30.62	+23 53.1	2.323	3.198	9.8	21.0

75990 2000 DA_{9} 10 7.8 357°.30 2°.9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.49	+14 29.7	1.772	2.559	17.1	19.4
9 8	1 16.10	+14 44.0	1.688	2.558	14.0	19.2
9 18	1 10.27	+14 41.4	1.622	2.557	10.4	19.0
9 28	1 2.51	+14 21.7	1.580	2.557	6.4	18.7
10 8	0 53.71	+13 47.6	1.563	2.557	3.1	18.5
10 18	0 44.93	+13 3.8	1.574	2.557	4.7	18.6
10 28	0 37.29	+12 16.9	1.611	2.557	8.6	18.9
11 7	0 31.65	+11 34.1	1.673	2.557	12.4	19.1

520725 2014 QF_{470} 10 7.8 165°.99 2°.7/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.96	− 0 58.6	2.584	3.400	11.5	21.9
9 8	1 13.10	− 1 41.5	2.504	3.402	9.0	21.8
9 18	1 7.63	− 2 29.6	2.448	3.404	6.1	21.6
9 28	1 0.98	− 3 19.0	2.419	3.406	3.5	21.4
10 8	0 53.75	− 4 5.1	2.420	3.408	2.9	21.4
10 18	0 46.60	− 4 43.4	2.449	3.409	5.2	21.5
10 28	0 40.21	− 5 10.3	2.506	3.411	8.1	21.7
11 7	0 35.12	− 5 23.7	2.589	3.412	10.7	21.9

315909 2008 RO_{63} 10 7.8 3°.41 0°.8/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.15	+ 3 57.1	3.800	4.601	8.4	20.5
9 8	1 7.30	+ 3 29.5	3.712	4.602	6.6	20.4
9 18	1 3.42	+ 2 56.7	3.649	4.602	4.4	20.2
9 28	0 58.80	+ 2 20.6	3.613	4.602	2.2	20.1
10 8	0 53.82	+ 1 43.9	3.606	4.603	0.9	19.9
10 18	0 48.87	+ 1 9.3	3.630	4.604	2.9	20.1
10 28	0 44.36	+ 0 39.4	3.683	4.605	5.1	20.3
11 7	0 40.65	+ 0 16.5	3.763	4.606	7.2	20.4

75412 1999 XJ_{108} 10 7.8 28°.84 8°.0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.41	− 7 55.6	0.848	1.733	23.2	17.2
9 8	1 19.65	− 8 34.8	0.822	1.754	18.3	17.0
9 18	1 13.07	− 9 13.2	0.811	1.778	13.1	16.9
9 28	1 3.84	− 9 39.3	0.819	1.803	8.9	16.8
10 8	0 53.71	− 9 43.5	0.848	1.830	8.4	16.8
10 18	0 44.49	− 9 21.1	0.898	1.859	11.7	17.1
10 28	0 37.68	− 8 32.1	0.969	1.889	16.0	17.5
11 7	0 34.06	− 7 20.5	1.058	1.920	19.8	17.8

454378 2014 MP_{55} 10 7.8 269°.70 4°.9/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.53	− 6 21.1	2.147	2.980	13.0	22.0
9 8	1 13.94	− 7 19.3	2.072	2.977	10.2	21.8
9 18	1 8.42	− 8 20.7	2.020	2.974	7.4	21.6
9 28	1 1.46	− 9 19.1	1.994	2.971	5.2	21.5
10 8	0 53.77	−10 8.2	1.995	2.968	5.3	21.5
10 18	0 46.16	−10 42.7	2.024	2.965	7.6	21.6
10 28	0 39.48	−10 58.8	2.079	2.962	10.5	21.8
11 7	0 34.37	−10 55.5	2.157	2.959	13.2	22.0

1644 Rafita 10 7.8 284°.42 4°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.55	+19 4.1	1.793	2.560	17.7	16.1
9 8	1 15.62	+19 18.2	1.691	2.543	14.9	15.8
9 18	1 10.15	+19 11.8	1.606	2.526	11.5	15.6
9 28	1 2.58	+18 43.3	1.544	2.509	7.8	15.3
10 8	0 53.74	+17 54.0	1.506	2.492	4.8	15.1
10 18	0 44.71	+16 48.1	1.495	2.475	5.4	15.1
10 28	0 36.72	+15 33.6	1.511	2.458	9.0	15.3
11 7	0 30.75	+14 19.8	1.552	2.441	12.9	15.5

271518 2004 GT_{28} 10 7.8 279°.74 8°.3/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 32.45	−13 45.7	1.695	2.515	16.4	21.1
9 8	1 26.84	−14 24.8	1.595	2.484	13.6	20.9
9 18	1 18.09	−15 1.1	1.515	2.453	10.7	20.6
9 28	1 6.69	−15 25.9	1.459	2.421	8.6	20.4
10 8	0 53.65	−15 30.2	1.430	2.388	8.8	20.4
10 18	0 40.34	−15 7.7	1.427	2.355	11.4	20.4
10 28	0 28.29	−14 16.0	1.450	2.321	15.0	20.6
11 7	0 18.72	−12 57.2	1.495	2.287	18.6	20.7

432324 2009 UM_{78} 10 7.8 351°.96 1°.2/ 5.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.59	+ 0 18.6	4.192	4.994	7.7	21.3
9 8	1 9.06	+ 0 5.7	4.104	4.994	6.0	21.1
9 18	1 4.57	− 0 10.1	4.040	4.993	4.1	21.0
9 28	0 59.38	− 0 27.1	4.004	4.993	2.1	20.8
10 8	0 53.84	− 0 43.2	3.999	4.993	1.3	20.8
10 18	0 48.34	− 0 56.3	4.024	4.992	3.0	20.9
10 28	0 43.25	− 1 4.6	4.078	4.992	5.0	21.1
11 7	0 38.92	− 1 6.6	4.161	4.992	6.8	21.2

495153 2012 FY 10 7.8 315°.48 6°.6/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 6.27	+ 9 40.1	0.806	1.690	24.1	21.0
9 8	1 7.80	+ 6 10.0	0.738	1.678	18.8	20.6
9 18	1 5.74	+ 1 42.1	0.689	1.666	12.5	20.2
9 28	1 0.64	− 3 24.3	0.661	1.655	7.1	19.9
10 8	0 53.80	− 8 33.8	0.658	1.644	8.7	20.0
10 18	0 46.96	−13 6.7	0.677	1.634	15.1	20.3
10 28	0 41.97	−16 34.1	0.717	1.625	21.5	20.6
11 7	0 40.12	−18 47.0	0.772	1.617	26.8	20.9

184901 2005 UK_{280} 10 7.8 61°.05 0°.3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.13	+ 7 44.9	2.043	2.849	14.5	20.5
9 8	1 13.71	+ 7 17.5	1.967	2.856	11.5	20.4
9 18	1 8.31	+ 6 37.7	1.911	2.863	7.9	20.1
9 28	1 1.42	+ 5 48.7	1.881	2.870	3.9	19.9
10 8	0 53.80	+ 4 55.1	1.879	2.878	0.3	19.6
10 18	0 46.30	+ 4 2.7	1.904	2.885	4.3	20.0
10 28	0 39.77	+ 3 17.1	1.958	2.892	8.1	20.2
11 7	0 34.89	+ 2 42.9	2.037	2.900	11.5	20.5

356897 2011 YQ_{28} 10 7.8 308°.92 5°.9/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.71	−26 9.7	4.413	5.213	7.4	20.1
9 8	1 7.67	−27 11.5	4.360	5.209	6.5	20.1
9 18	1 3.65	−28 7.3	4.331	5.206	6.0	20.0
9 28	0 58.93	−28 53.4	4.328	5.202	5.9	20.0
10 8	0 53.86	−29 27.0	4.352	5.199	6.4	20.1
10 18	0 48.83	−29 46.1	4.400	5.196	7.2	20.1
10 28	0 44.25	−29 49.7	4.471	5.192	8.1	20.2
11 7	0 40.44	−29 38.3	4.562	5.189	9.0	20.3

230238 2001 UH_{86} 10 7.8 312°.81 1°.9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.72	+ 4 4.2	1.425	2.265	18.0	20.5
9 8	1 15.37	+ 3 37.9	1.337	2.248	14.3	20.2
9 18	1 10.19	+ 2 57.3	1.268	2.231	9.9	19.9
9 28	1 2.67	+ 2 6.6	1.222	2.214	5.0	19.6
10 8	0 53.77	+ 1 12.9	1.200	2.198	2.1	19.4
10 18	0 44.75	+ 0 24.4	1.204	2.182	6.7	19.6
10 28	0 36.98	− 0 10.8	1.232	2.167	11.8	19.9
11 7	0 31.54	− 0 27.2	1.282	2.153	16.4	20.1

482788 2013 LU_{3} 10 7.8 142°.00 7°.3/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.92	−14 15.0	2.332	3.169	11.9	21.1
9 8	1 11.78	−16 4.4	2.272	3.170	9.8	20.9
9 18	1 6.88	−17 52.2	2.237	3.171	8.0	20.8
9 28	1 0.67	−19 30.2	2.229	3.172	7.3	20.8
10 8	0 53.82	−20 51.2	2.248	3.173	8.1	20.8
10 18	0 47.06	−21 49.6	2.293	3.173	9.9	21.0
10 28	0 41.15	−22 22.8	2.362	3.174	12.0	21.1
11 7	0 36.67	−22 30.7	2.452	3.175	13.9	21.3

88853 2001 ST_{231} 10 7.8 39°.29 1°.7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 24.32	+ 3 18.6	0.960	1.820	23.2	18.6
9 8	1 21.15	+ 3 18.7	0.917	1.836	18.2	18.4
9 18	1 14.25	+ 3 4.8	0.889	1.854	12.5	18.1
9 28	1 4.58	+ 2 42.2	0.880	1.873	6.1	17.9
10 8	0 53.73	+ 2 18.5	0.894	1.893	1.9	17.7
10 18	0 43.49	+ 2 1.4	0.932	1.913	7.3	18.1
10 28	0 35.48	+ 1 57.6	0.991	1.934	13.0	18.5
11 7	0 30.68	+ 2 10.6	1.071	1.956	17.7	18.8

13991 Kenphillips 10 7.8 69°.80 2°.0/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.65	+ 3 37.6	1.430	2.259	18.4	18.4
9 8	1 19.43	+ 3 4.6	1.378	2.282	14.4	18.2
9 18	1 12.47	+ 2 19.5	1.345	2.304	9.8	18.0
9 28	1 3.54	+ 1 27.9	1.335	2.326	4.8	17.8
10 8	0 53.78	+ 0 37.3	1.352	2.349	2.2	17.7
10 18	0 44.45	− 0 5.2	1.395	2.371	6.4	18.0
10 28	0 36.71	− 0 33.5	1.464	2.393	10.8	18.3
11 7	0 31.35	− 0 44.4	1.556	2.415	14.6	18.6

325521 2009 RX_{66} 10 7.8 202°.92 0°.7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.99	+ 7 25.0	2.366	3.168	12.9	21.0
9 8	1 11.81	+ 6 38.0	2.279	3.168	10.1	20.8
9 18	1 6.90	+ 5 39.1	2.214	3.167	6.9	20.6
9 28	1 0.71	+ 4 31.5	2.176	3.166	3.4	20.4
10 8	0 53.86	+ 3 20.5	2.167	3.165	0.8	20.2
10 18	0 47.06	+ 2 11.4	2.186	3.164	4.2	20.5
10 28	0 41.04	+ 1 10.2	2.235	3.163	7.6	20.7
11 7	0 36.42	+ 0 21.2	2.309	3.162	10.7	20.9

267695 2002 WA_{8} 10 7.8 281°.80 4°.4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.69	− 2 13.8	1.545	2.384	16.8	20.5
9 8	1 18.17	− 2 54.6	1.464	2.374	13.3	20.3
9 18	1 11.90	− 3 43.1	1.403	2.364	9.3	20.0
9 28	1 3.45	− 4 33.1	1.367	2.354	5.5	19.8
10 8	0 53.79	− 5 16.5	1.355	2.344	4.7	19.7
10 18	0 44.16	− 5 46.2	1.370	2.334	8.2	19.9
10 28	0 35.80	− 5 56.5	1.410	2.324	12.4	20.1
11 7	0 29.71	− 5 45.3	1.472	2.314	16.3	20.3

366333 2013 EB_{108} 10 7.8 94°.80 0°.1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.01	+10 59.4	2.456	3.241	12.9	21.7
9 8	1 12.39	+ 9 52.6	2.384	3.262	10.2	21.5
9 18	1 7.14	+ 8 32.0	2.335	3.282	7.0	21.3
9 28	1 0.76	+ 7 1.3	2.314	3.301	3.5	21.2
10 8	0 53.86	+ 5 26.2	2.321	3.321	0.1	20.9
10 18	0 47.14	+ 3 52.9	2.360	3.340	3.7	21.2
10 28	0 41.27	+ 2 27.8	2.428	3.359	7.0	21.5
11 7	0 36.76	+ 1 15.5	2.524	3.377	9.9	21.7

67669 2000 SC_{275} 10 7.8 35°.11 3°.6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.23	+ 0 48.0	1.148	2.004	20.4	18.4
9 8	1 18.34	+ 0 13.9	1.093	2.012	16.0	18.2
9 18	1 12.20	− 0 31.8	1.055	2.021	10.9	17.9
9 28	1 3.58	− 1 21.9	1.039	2.031	5.8	17.7
10 8	0 53.80	− 2 7.3	1.047	2.041	3.9	17.6
10 18	0 44.37	− 2 39.3	1.078	2.052	8.2	17.9
10 28	0 36.74	− 2 51.8	1.133	2.063	13.1	18.2
11 7	0 31.88	− 2 42.2	1.208	2.075	17.4	18.5

226484 2003 SV_{237} 10 7.8 328°.25 0°.6/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.39	+ 5 26.9	2.050	2.863	14.2	19.5
9 8	1 14.08	+ 5 18.1	1.959	2.853	11.3	19.3
9 18	1 8.70	+ 4 59.5	1.890	2.844	7.8	19.1
9 28	1 1.71	+ 4 33.5	1.845	2.835	3.9	18.9
10 8	0 53.84	+ 4 4.1	1.827	2.826	0.6	18.6
10 18	0 45.96	+ 3 35.9	1.838	2.818	4.5	18.9
10 28	0 38.98	+ 3 13.8	1.876	2.810	8.4	19.1
11 7	0 33.64	+ 3 1.6	1.939	2.803	11.9	19.3

416320 2003 SS_{138} 10 7.8 356°.85 3°.5/ 9.8 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.55	+10 56.8	1.619	2.418	18.0	20.3
9 8	1 19.67	+12 7.4	1.534	2.412	14.8	20.1
9 18	1 13.00	+13 7.7	1.469	2.408	10.9	19.8
9 28	1 4.06	+13 55.6	1.427	2.405	6.8	19.6
10 8	0 53.79	+14 30.9	1.411	2.403	3.6	19.4
10 18	0 43.45	+14 54.5	1.422	2.403	5.3	19.5
10 28	0 34.36	+15 10.1	1.459	2.404	9.4	19.7
11 7	0 27.55	+15 23.0	1.520	2.406	13.3	20.0

109581 2001 QO_{274} 10 7.8 349°.67 2°.0/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.43	+12 4.5	2.274	3.052	14.0	19.2
9 8	1 15.48	+12 25.7	2.182	3.049	11.4	19.0
9 18	1 9.56	+12 35.4	2.112	3.047	8.3	18.8
9 28	1 2.12	+12 33.9	2.066	3.045	4.9	18.6
10 8	0 53.85	+12 23.1	2.049	3.043	2.1	18.4
10 18	0 45.57	+12 5.9	2.059	3.042	3.8	18.5
10 28	0 38.14	+11 46.4	2.099	3.041	7.2	18.8
11 7	0 32.28	+11 29.1	2.164	3.040	10.4	19.0

195201 2002 CR_{296} 10 7.8 28°.04 2°.0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 18.08	+ 4 18.7	1.575	2.407	16.9	19.9
9 8	1 15.10	+ 3 36.3	1.503	2.409	13.3	19.7
9 18	1 9.62	+ 2 40.4	1.452	2.412	9.1	19.4
9 28	1 2.22	+ 1 36.4	1.424	2.416	4.5	19.2
10 8	0 53.85	+ 0 31.4	1.422	2.419	2.2	19.0
10 18	0 45.63	− 0 26.6	1.447	2.423	6.2	19.3
10 28	0 38.66	− 1 10.5	1.498	2.427	10.6	19.6
11 7	0 33.78	− 1 35.9	1.571	2.431	14.5	19.8

223874 2004 TG_{359} 10 7.8 143°.16 2°.2/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.03	+ 0 9.5	2.538	3.350	11.8	20.8
9 8	1 13.97	− 0 23.7	2.460	3.356	9.2	20.6
9 18	1 8.28	− 1 2.5	2.405	3.360	6.3	20.4
9 28	1 1.37	− 1 43.2	2.377	3.365	3.4	20.2
10 8	0 53.88	− 2 21.6	2.378	3.370	2.4	20.2
10 18	0 46.48	− 2 53.6	2.408	3.374	4.9	20.4
10 28	0 39.87	− 3 15.5	2.467	3.378	7.9	20.6
11 7	0 34.61	− 3 25.1	2.551	3.382	10.5	20.7

450471 2005 WS_{139} 10 7.8 271°.07 2°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.09	+ 1 46.6	2.332	3.145	12.7	22.0
9 8	1 14.39	+ 1 15.7	2.232	3.128	10.0	21.8
9 18	1 8.81	+ 0 36.9	2.154	3.110	6.9	21.5
9 28	1 1.76	− 0 6.4	2.103	3.093	3.5	21.3
10 8	0 53.87	− 0 49.3	2.080	3.075	2.2	21.2
10 18	0 45.93	− 1 27.2	2.086	3.057	5.1	21.3
10 28	0 38.75	− 1 55.3	2.120	3.038	8.6	21.5
11 7	0 33.02	− 2 10.4	2.180	3.020	11.7	21.7

9797 Raes 10 7.8 74°.04 0°.2/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.31	+ 7 47.8	2.267	3.066	13.5	18.3
9 8	1 13.58	+ 7 21.0	2.196	3.082	10.6	18.1
9 18	1 8.07	+ 6 43.2	2.148	3.098	7.3	17.9
9 28	1 1.28	+ 5 57.4	2.125	3.114	3.6	17.7
10 8	0 53.89	+ 5 7.8	2.131	3.130	0.2	17.5
10 18	0 46.66	+ 4 19.4	2.165	3.146	3.9	17.8
10 28	0 40.34	+ 3 37.1	2.228	3.162	7.4	18.1
11 7	0 35.51	+ 3 4.7	2.317	3.177	10.4	18.3

66113 1998 SG_{55} 10 7.8 356°.32 0°.4/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.12	+ 7 7.0	1.814	2.634	15.5	19.0
9 8	1 12.52	+ 6 45.9	1.733	2.631	12.3	18.8
9 18	1 7.72	+ 6 11.7	1.673	2.629	8.5	18.6
9 28	1 1.24	+ 5 27.5	1.637	2.627	4.3	18.3
10 8	0 53.89	+ 4 38.4	1.627	2.626	0.5	18.0
10 18	0 46.58	+ 3 50.4	1.644	2.625	4.8	18.4
10 28	0 40.30	+ 3 9.8	1.688	2.626	8.9	18.6
11 7	0 35.81	+ 2 41.5	1.756	2.627	12.6	18.9

334855 2003 UN_{94} 10 7.8 29°.43 1°.5/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.04	+ 9 1.1	1.366	2.187	19.6	20.0
9 8	1 18.58	+ 9 25.8	1.304	2.199	15.7	19.7
9 18	1 12.19	+ 9 35.5	1.260	2.211	11.1	19.5
9 28	1 3.56	+ 9 31.2	1.238	2.225	6.0	19.3
10 8	0 53.84	+ 9 16.7	1.241	2.239	1.5	19.0
10 18	0 44.39	+ 8 57.1	1.269	2.254	5.2	19.3
10 28	0 36.51	+ 8 39.1	1.323	2.269	10.0	19.6
11 7	0 31.13	+ 8 28.4	1.399	2.286	14.2	19.9

9635 1993 XS 10 7.8 282°.78 1°.2/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.92	+ 4 30.7	2.341	3.149	12.8	19.3
9 8	1 13.49	+ 4 3.0	2.238	3.131	10.1	19.1
9 18	1 8.21	+ 3 25.7	2.157	3.112	7.0	18.9
9 28	1 1.48	+ 2 41.8	2.102	3.093	3.5	18.6
10 8	0 53.91	+ 1 55.5	2.076	3.073	1.3	18.4
10 18	0 46.26	+ 1 11.7	2.078	3.054	4.6	18.6
10 28	0 39.34	+ 0 35.5	2.109	3.035	8.2	18.8
11 7	0 33.86	+ 0 10.6	2.165	3.015	11.4	19.0

25087 Kaztaniguchi 10 7.8 255°.33 1°.3/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.02	+ 6 17.5	1.902	2.718	15.1	19.2
9 8	1 13.93	+ 5 28.4	1.815	2.712	11.9	19.0
9 18	1 8.67	+ 4 25.1	1.750	2.706	8.1	18.7
9 28	1 1.74	+ 3 11.9	1.709	2.700	4.0	18.5
10 8	0 53.91	+ 1 55.1	1.696	2.694	1.5	18.3
10 18	0 46.11	+ 0 42.1	1.712	2.688	5.3	18.6
10 28	0 39.29	− 0 20.0	1.754	2.682	9.4	18.8
11 7	0 34.23	− 1 5.8	1.821	2.676	13.0	19.0

449901 2015 MX_{112} 10 7.8 185°.58 1°.0/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.72	+10 43.5	1.941	2.735	15.6	21.4
9 8	1 16.02	+10 32.8	1.855	2.735	12.5	21.2
9 18	1 10.09	+10 7.5	1.790	2.735	8.9	21.0
9 28	1 2.45	+ 9 29.4	1.749	2.734	4.8	20.7
10 8	0 53.90	+ 8 42.5	1.736	2.734	1.0	20.4
10 18	0 45.40	+ 7 52.1	1.750	2.734	4.2	20.7
10 28	0 37.93	+ 7 4.5	1.793	2.733	8.3	20.9
11 7	0 32.27	+ 6 25.4	1.860	2.732	12.0	21.2

308850 2006 RS_{86} 10 7.8 217°.27 0°.2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 19.82	+ 8 0.8	2.002	2.803	14.9	21.4
9 8	1 16.00	+ 7 51.7	1.917	2.803	11.9	21.2
9 18	1 10.02	+ 7 30.6	1.853	2.802	8.3	21.0
9 28	1 2.40	+ 6 59.8	1.814	2.802	4.3	20.7
10 8	0 53.90	+ 6 23.1	1.802	2.802	0.2	20.4
10 18	0 45.46	+ 5 45.4	1.819	2.801	4.3	20.7
10 28	0 38.00	+ 5 12.2	1.864	2.801	8.3	21.0
11 7	0 32.30	+ 4 48.1	1.933	2.800	11.8	21.2

12941 4638 P–L 10 7.8 30°.12 1°.0/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.11	+ 6 16.6	1.608	2.433	16.9	19.2
9 8	1 15.08	+ 5 47.1	1.536	2.437	13.4	18.9
9 18	1 9.59	+ 5 3.4	1.485	2.442	9.2	18.7
9 28	1 2.22	+ 4 9.8	1.456	2.447	4.5	18.5
10 8	0 53.91	+ 3 12.5	1.454	2.453	1.1	18.2
10 18	0 45.74	+ 2 18.6	1.479	2.458	5.5	18.5
10 28	0 38.81	+ 1 35.3	1.529	2.464	9.9	18.8
11 7	0 33.94	+ 1 7.4	1.603	2.471	13.8	19.1

386086 2007 OL_1 10 7.8 57°.43 7°.6/30.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.24	− 6 41.0	1.469	2.325	16.7	20.1
9 8	1 14.33	− 8 54.0	1.430	2.347	13.1	19.9
9 18	1 8.95	−11 10.0	1.414	2.370	9.7	19.8
9 28	1 1.80	−13 16.6	1.422	2.393	7.7	19.7
10 8	0 53.92	−15 2.0	1.456	2.416	8.5	19.8
10 18	0 46.43	−16 17.9	1.515	2.439	11.1	20.0
10 28	0 40.35	−17 0.4	1.597	2.462	14.2	20.3
11 7	0 36.37	−17 10.8	1.699	2.485	16.9	20.5

510032 2010 CX_{98} 10 7.8 116°.01 2°.7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.12	+ 2 7.1	1.926	2.748	14.7	21.9
9 8	1 15.35	+ 1 8.9	1.858	2.759	11.4	21.8
9 18	1 9.48	+ 0 0.7	1.811	2.769	7.7	21.6
9 28	1 2.06	− 1 11.9	1.790	2.779	4.1	21.4
10 8	0 53.92	− 2 21.9	1.797	2.789	2.9	21.3
10 18	0 45.95	− 3 22.6	1.832	2.799	6.1	21.5
10 28	0 39.06	− 4 8.5	1.894	2.808	9.7	21.8
11 7	0 33.93	− 4 36.2	1.980	2.817	12.9	22.0

405459 2004 TX_{275} 10 7.8 45°.22 1°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.19	+14 54.7	2.182	2.960	14.6	21.0
9 8	1 12.19	+14 29.3	2.097	2.964	11.8	20.8
9 18	1 7.29	+13 47.2	2.033	2.968	8.6	20.6
9 28	1 0.97	+12 50.0	1.994	2.973	5.0	20.4
10 8	0 53.94	+11 41.8	1.982	2.978	2.0	20.2
10 18	0 46.99	+10 28.1	1.998	2.982	3.7	20.3
10 28	0 40.93	+ 9 15.5	2.043	2.987	7.2	20.6
11 7	0 36.41	+ 8 10.4	2.115	2.992	10.5	20.8

331341 2012 BL_{102} 10 7.8 160°.87 3°.8/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.42	+19 24.1	2.430	3.169	14.3	21.3
9 8	1 15.40	+19 38.6	2.338	3.171	11.9	21.2
9 18	1 9.47	+19 37.5	2.265	3.174	9.2	21.0
9 28	1 2.09	+19 20.3	2.217	3.176	6.3	20.8
10 8	0 53.92	+18 48.4	2.196	3.178	4.0	20.7
10 18	0 45.77	+18 4.8	2.204	3.180	4.4	20.7
10 28	0 38.47	+17 14.7	2.240	3.181	6.8	20.9
11 7	0 32.68	+16 24.0	2.303	3.182	9.7	21.1

139297 2001 KH_8 10 7.8 84°.97 4°.0/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 24.93	− 1 14.2	1.535	2.366	17.3	20.1
9 8	1 20.24	− 2 3.2	1.483	2.389	13.5	19.9
9 18	1 12.95	− 2 59.2	1.453	2.412	9.2	19.7
9 28	1 3.80	− 3 55.5	1.447	2.434	5.2	19.6
10 8	0 53.89	− 4 44.2	1.467	2.456	4.3	19.6
10 18	0 44.42	− 5 18.8	1.515	2.478	7.5	19.8
10 28	0 36.47	− 5 34.9	1.588	2.499	11.4	20.1
11 7	0 30.81	− 5 31.2	1.683	2.520	14.8	20.4

182726 2001 WY_{80} 10 7.8 5°.12 1°.2/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.81	+ 4 45.6	1.762	2.586	15.7	20.4
9 8	1 14.66	+ 4 24.7	1.685	2.586	12.4	20.1
9 18	1 9.23	+ 3 52.4	1.629	2.586	8.5	19.9
9 28	1 2.03	+ 3 12.5	1.596	2.587	4.2	19.7
10 8	0 53.93	+ 2 30.2	1.590	2.588	1.3	19.5
10 18	0 45.91	+ 1 51.6	1.612	2.590	5.3	19.7
10 28	0 39.01	+ 1 22.4	1.659	2.592	9.4	20.0
11 7	0 33.99	+ 1 6.7	1.731	2.595	13.2	20.2

511089 2013 TO_{116} 10 7.8 326°.02 2°.9/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.33	+10 53.5	1.190	2.024	21.2	21.0
9 8	1 16.68	+11 32.6	1.102	2.003	17.5	20.7
9 18	1 11.67	+11 55.0	1.031	1.983	12.9	20.4
9 28	1 3.72	+11 59.6	0.979	1.964	7.6	20.1
10 8	0 53.88	+11 48.1	0.950	1.946	3.0	19.7
10 18	0 43.70	+11 25.0	0.944	1.930	6.1	19.9
10 28	0 34.96	+10 58.6	0.961	1.914	11.8	20.1
11 7	0 29.08	+10 37.7	0.998	1.900	17.2	20.4

37934 1998 FO_{141} 10 7.8 26°.39 0°.1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 11.72	+12 54.1	1.270	2.102	20.1	17.6
9 8	1 10.59	+11 35.1	1.210	2.114	16.0	17.4
9 18	1 6.73	+ 9 48.6	1.168	2.126	11.1	17.2
9 28	1 0.82	+ 7 41.2	1.149	2.140	5.6	16.9
10 8	0 53.95	+ 5 24.5	1.155	2.154	0.2	16.5
10 18	0 47.36	+ 3 12.3	1.187	2.169	5.8	17.0
10 28	0 42.21	+ 1 17.7	1.243	2.186	11.0	17.4
11 7	0 39.31	− 0 10.4	1.323	2.203	15.3	17.7

157870 1999 EB_{11} 10 7.8 182°.19 0°.2/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.93	+ 8 55.8	2.079	2.870	14.8	21.3
9 8	1 17.57	+ 8 36.3	1.991	2.871	11.8	21.1
9 18	1 11.07	+ 8 3.9	1.925	2.871	8.2	20.9
9 28	1 2.93	+ 7 20.7	1.884	2.871	4.3	20.6
10 8	0 53.92	+ 6 31.1	1.871	2.870	0.2	20.3
10 18	0 44.96	+ 5 40.4	1.887	2.869	4.2	20.6
10 28	0 36.99	+ 4 54.3	1.932	2.867	8.2	20.9
11 7	0 30.77	+ 4 18.1	2.003	2.864	11.7	21.1

153360 2001 PK_{55} 10 7.8 359°.86 4°.3/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.37	+14 44.8	1.265	2.079	21.3	19.9
9 8	1 17.07	+15 27.1	1.192	2.076	17.6	19.7
9 18	1 11.58	+15 49.1	1.134	2.075	13.2	19.4
9 28	1 3.48	+15 49.0	1.097	2.074	8.4	19.2
10 8	0 53.90	+15 28.3	1.083	2.075	4.6	19.0
10 18	0 44.34	+14 52.1	1.093	2.076	6.1	19.1
10 28	0 36.33	+14 9.0	1.126	2.079	10.6	19.3
11 7	0 31.04	+13 28.8	1.182	2.082	15.2	19.6

331397 2012 FP_{31} 10 7.8 216°.71 4°.0/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.44	− 4 40.4	2.640	3.464	11.1	20.9
9 8	1 11.98	− 5 51.0	2.557	3.459	8.7	20.7
9 18	1 6.96	− 7 5.9	2.499	3.453	6.2	20.6
9 28	1 0.76	− 8 19.9	2.469	3.448	4.2	20.4
10 8	0 53.96	− 9 27.4	2.468	3.441	4.4	20.4
10 18	0 47.20	−10 23.3	2.495	3.435	6.5	20.6
10 28	0 41.13	−11 3.6	2.550	3.428	9.0	20.7
11 7	0 36.30	−11 26.4	2.629	3.421	11.4	20.9

339311 2004 XQ_{100} 10 7.8 319°.50 0°.8/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.18	+ 6 18.7	1.499	2.331	17.6	20.7
9 8	1 14.81	+ 6 0.0	1.411	2.316	14.1	20.5
9 18	1 9.75	+ 5 26.2	1.342	2.301	9.8	20.2
9 28	1 2.47	+ 4 40.5	1.296	2.287	4.9	19.9
10 8	0 53.92	+ 3 48.8	1.275	2.274	0.9	19.6
10 18	0 45.28	+ 2 58.7	1.279	2.261	5.8	19.9
10 28	0 37.84	+ 2 18.0	1.309	2.248	10.8	20.1
11 7	0 32.60	+ 1 52.9	1.361	2.236	15.3	20.4

416646 2004 TQ_{82} 10 7.8 81°.43 1°.0/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.89	+12 4.3	1.304	2.119	20.7	20.9
9 8	1 19.28	+11 35.2	1.247	2.138	16.6	20.7
9 18	1 12.65	+10 43.7	1.207	2.157	11.7	20.5
9 28	1 3.78	+ 9 33.4	1.190	2.176	6.2	20.2
10 8	0 53.90	+ 8 11.9	1.197	2.195	1.1	20.0
10 18	0 44.42	+ 6 49.1	1.230	2.214	5.4	20.3
10 28	0 36.66	+ 5 35.4	1.289	2.233	10.5	20.7
11 7	0 31.48	+ 4 38.5	1.371	2.251	14.9	21.0

461018 2014 WP_{401} 10 7.8 33°.67 2°.4/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.05	+16 50.0	2.494	3.256	13.4	21.1
9 8	1 11.05	+16 34.1	2.407	3.261	11.0	21.0
9 18	1 6.39	+16 2.8	2.341	3.266	8.1	20.8
9 28	1 0.49	+15 17.2	2.300	3.272	5.1	20.6
10 8	0 53.97	+14 20.3	2.286	3.277	2.6	20.5
10 18	0 47.52	+13 16.3	2.301	3.283	3.5	20.5
10 28	0 41.83	+12 10.9	2.345	3.290	6.4	20.7
11 7	0 37.49	+11 9.6	2.416	3.296	9.3	20.9

285151 1995 UB_{63} 10 7.8 24°.67 1°.8/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.61	+ 5 38.4	0.905	1.776	23.3	20.3
9 8	1 15.39	+ 5 9.3	0.858	1.785	18.4	20.1
9 18	1 10.54	+ 4 19.9	0.826	1.795	12.5	19.8
9 28	1 2.88	+ 3 17.2	0.814	1.807	6.2	19.5
10 8	0 53.92	+ 2 11.9	0.822	1.821	2.0	19.3
10 18	0 45.39	+ 1 15.6	0.853	1.835	7.7	19.7
10 28	0 38.91	+ 0 38.3	0.905	1.851	13.5	20.1
11 7	0 35.49	+ 0 25.0	0.976	1.867	18.4	20.5

133963 2004 TU_{139} 10 7.8 283°.65 1°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.95	+12 50.0	2.293	3.070	13.9	20.2
9 8	1 14.33	+12 50.8	2.199	3.066	11.3	20.0
9 18	1 8.79	+12 38.4	2.126	3.062	8.2	19.8
9 28	1 1.77	+12 13.7	2.078	3.058	4.8	19.6
10 8	0 53.95	+11 39.2	2.058	3.054	1.9	19.4
10 18	0 46.12	+10 58.9	2.066	3.049	3.7	19.5
10 28	0 39.12	+10 17.8	2.103	3.045	7.1	19.8
11 7	0 33.65	+ 9 41.1	2.166	3.041	10.4	20.0

511974 2015 KY_{51} 10 7.8 75°.79 1°.8/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 21.57	+ 3 43.4	1.708	2.528	16.3	21.5
9 8	1 17.46	+ 3 9.9	1.648	2.547	12.7	21.3
9 18	1 11.00	+ 2 25.7	1.609	2.566	8.6	21.1
9 28	1 2.84	+ 1 35.6	1.594	2.585	4.3	20.9
10 8	0 53.93	+ 0 45.9	1.606	2.603	2.0	20.7
10 18	0 45.32	+ 0 2.8	1.647	2.622	5.6	21.0
10 28	0 37.99	− 0 28.3	1.714	2.640	9.7	21.3
11 7	0 32.68	− 0 43.9	1.804	2.658	13.2	21.6

100431 1996 HU_{20} 10 7.8 183°.18 0°.3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.72	+ 9 21.9	2.893	3.673	11.3	20.7
9 8	1 12.83	+ 8 55.8	2.800	3.673	9.0	20.6
9 18	1 7.47	+ 8 19.6	2.730	3.673	6.3	20.4
9 28	1 1.01	+ 7 35.4	2.686	3.673	3.2	20.2
10 8	0 53.98	+ 6 46.4	2.673	3.672	0.3	19.9
10 18	0 46.98	+ 5 56.5	2.689	3.670	3.2	20.2
10 28	0 40.64	+ 5 9.8	2.735	3.669	6.2	20.4
11 7	0 35.48	+ 4 30.2	2.809	3.667	8.9	20.6

523040 2016 PX_{126} 10 7.8 353°.61 2°.4/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.66	+12 10.5	1.488	2.295	18.9	20.9
9 8	1 17.55	+12 28.5	1.408	2.293	15.4	20.7
9 18	1 11.61	+12 29.2	1.347	2.291	11.2	20.4
9 28	1 3.39	+12 12.7	1.307	2.290	6.5	20.2
10 8	0 53.93	+11 42.2	1.293	2.289	2.5	19.9
10 18	0 44.48	+11 3.2	1.304	2.288	5.1	20.1
10 28	0 36.38	+10 23.1	1.341	2.288	9.8	20.4
11 7	0 30.64	+ 9 49.5	1.401	2.289	14.1	20.6

46578 1992 EC_{14} 10 7.8 116°.86 1°.4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.57	+12 35.5	2.122	2.900	14.9	20.4
9 8	1 16.35	+12 19.6	2.045	2.914	12.0	20.2
9 18	1 10.12	+11 48.9	1.990	2.928	8.6	20.0
9 28	1 2.40	+11 5.3	1.960	2.942	4.8	19.8
10 8	0 53.96	+10 12.5	1.957	2.955	1.5	19.6
10 18	0 45.67	+ 9 15.8	1.984	2.967	3.8	19.8
10 28	0 38.41	+ 8 21.3	2.039	2.980	7.5	20.1
11 7	0 32.84	+ 7 34.3	2.121	2.991	10.8	20.3

448433 2009 WM_{46} 10 7.8 51°.10 1°.1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.83	+13 0.2	2.246	3.030	14.0	21.4
9 8	1 11.81	+12 27.0	2.162	3.036	11.3	21.2
9 18	1 6.99	+11 38.5	2.100	3.041	8.0	21.0
9 28	1 0.83	+10 36.8	2.063	3.047	4.4	20.8
10 8	0 53.99	+ 9 26.3	2.054	3.052	1.2	20.6
10 18	0 47.23	+ 8 12.7	2.074	3.058	3.6	20.8
10 28	0 41.34	+ 7 2.4	2.123	3.064	7.2	21.0
11 7	0 36.92	+ 6 1.1	2.197	3.070	10.4	21.2

366785 2004 TN_{293} 10 7.8 334°.00 3°.2/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 12.76	+18 38.8	1.896	2.671	16.5	19.6
9 8	1 10.78	+18 20.1	1.800	2.660	13.8	19.4
9 18	1 6.64	+17 39.4	1.722	2.650	10.4	19.2
9 28	1 0.79	+16 36.9	1.668	2.640	6.7	18.9
10 8	0 53.99	+15 16.3	1.639	2.630	3.6	18.7
10 18	0 47.16	+13 43.8	1.638	2.621	4.4	18.8
10 28	0 41.28	+12 8.1	1.664	2.613	8.1	19.0
11 7	0 37.15	+10 38.2	1.715	2.606	11.8	19.2

21950 1999 VS_{158} 10 7.8 295°.75 2°.9/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.03	+17 49.6	2.265	3.024	14.6	18.8
9 8	1 12.88	+17 39.5	2.171	3.022	12.1	18.6
9 18	1 7.82	+17 12.2	2.098	3.020	9.1	18.4
9 28	1 1.29	+16 28.0	2.049	3.018	5.9	18.2
10 8	0 53.99	+15 29.7	2.026	3.016	3.2	18.0
10 18	0 46.70	+14 21.9	2.033	3.014	3.9	18.1
10 28	0 40.27	+13 10.9	2.067	3.012	7.0	18.3
11 7	0 35.37	+12 3.5	2.128	3.010	10.2	18.5

365273 2009 QY_{29} 10 7.8 12°.61 0°.0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.80	+ 8 0.3	1.706	2.526	16.3	21.0
9 8	1 13.16	+ 7 44.3	1.633	2.530	13.0	20.7
9 18	1 8.23	+ 7 14.2	1.579	2.534	9.0	20.5
9 28	1 1.55	+ 6 33.1	1.549	2.539	4.6	20.3
10 8	0 54.00	+ 5 46.0	1.545	2.545	0.1	19.9
10 18	0 46.55	+ 4 59.2	1.568	2.551	4.7	20.3
10 28	0 40.24	+ 4 19.1	1.618	2.558	9.0	20.6
11 7	0 35.81	+ 3 50.9	1.691	2.566	12.8	20.8

521840 2015 TM_{371} 10 7.8 23°.62 0°.7/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.95	+ 5 40.0	1.756	2.577	15.9	20.7
9 8	1 14.73	+ 5 26.7	1.685	2.583	12.5	20.5
9 18	1 9.24	+ 5 1.8	1.635	2.591	8.6	20.3
9 28	1 2.03	+ 4 28.8	1.608	2.599	4.3	20.1
10 8	0 53.99	+ 3 52.6	1.608	2.607	0.8	19.8
10 18	0 46.10	+ 3 18.7	1.636	2.616	4.9	20.2
10 28	0 39.35	+ 2 52.6	1.690	2.626	9.1	20.4
11 7	0 34.48	+ 2 38.3	1.768	2.636	12.7	20.7

11007 Granahan 10 7.8 345°.11 1°.5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 18.57	+ 9 24.4	1.122	1.964	21.6	16.9
9 8	1 16.79	+ 9 43.1	1.049	1.957	17.6	16.6
9 18	1 11.61	+ 9 43.2	0.992	1.950	12.6	16.3
9 28	1 3.60	+ 9 25.6	0.956	1.944	6.9	16.0
10 8	0 53.97	+ 8 54.6	0.941	1.939	1.6	15.6
10 18	0 44.31	+ 8 17.5	0.950	1.936	6.0	15.9
10 28	0 36.31	+ 7 43.6	0.981	1.933	11.9	16.2
11 7	0 31.22	+ 7 21.1	1.033	1.931	17.1	16.5

45509 2000 BZ_{22} 10 7.8 19°.24 6°.0/ 1.9 18

8 29	1 15.57	− 4 37.3	1.596	2.448	15.8	18.1
9 8	1 13.08	− 6 8.5	1.534	2.451	12.4	17.9
9 18	1 8.20	− 7 46.3	1.494	2.454	8.9	17.7
9 28	1 1.54	− 9 21.6	1.478	2.458	6.3	17.6
10 8	0 54.01	−10 44.4	1.488	2.462	6.7	17.6
10 18	0 46.65	−11 46.4	1.524	2.467	9.5	17.8
10 28	0 40.49	−12 22.2	1.583	2.472	12.9	18.0
11 7	0 36.31	−12 30.8	1.664	2.477	16.0	18.2

24135 Lisann 10 7.8 304°.45 2°.0/ 6.1 18

8 29	1 19.73	+ 2 58.4	1.793	2.616	15.5	19.0
9 8	1 16.16	+ 2 27.6	1.714	2.615	12.2	18.8
9 18	1 10.27	+ 1 46.5	1.655	2.614	8.4	18.6
9 28	1 2.60	+ 0 59.2	1.622	2.612	4.2	18.3
10 8	0 53.99	+ 0 11.9	1.615	2.611	2.2	18.2
10 18	0 45.46	− 0 29.4	1.635	2.610	5.8	18.4
10 28	0 38.04	− 0 58.9	1.683	2.609	9.9	18.7
11 7	0 32.53	− 1 12.9	1.754	2.607	13.5	18.9

15288 1991 RN_{27} 10 7.8 223°.98 5°.7/12.3 18

8 29	1 25.04	+20 11.8	1.907	2.650	17.5	16.9
9 8	1 20.60	+21 5.4	1.815	2.648	14.9	16.7
9 18	1 13.55	+21 42.2	1.742	2.645	11.7	16.5
9 28	1 4.37	+21 59.1	1.691	2.643	8.5	16.3
10 8	0 53.96	+21 55.5	1.666	2.641	6.0	16.2
10 18	0 43.44	+21 33.3	1.668	2.638	6.2	16.2
10 28	0 34.03	+20 58.0	1.698	2.636	8.9	16.4
11 7	0 26.71	+20 17.0	1.752	2.633	12.1	16.6

425551 2010 RM_{113} 10 7.8 57°.30 3°.2/10.3 17

8 29	1 21.02	+16 29.1	1.191	2.000	22.6	20.8
9 8	1 18.12	+16 17.3	1.138	2.021	18.4	20.6
9 18	1 12.01	+15 37.8	1.101	2.043	13.4	20.3
9 28	1 3.52	+14 32.4	1.085	2.065	8.0	20.1
10 8	0 53.98	+13 8.0	1.092	2.087	3.5	19.9
10 18	0 44.89	+11 35.0	1.124	2.110	5.5	20.1
10 28	0 37.63	+10 5.8	1.181	2.132	10.4	20.5
11 7	0 33.11	+ 8 50.8	1.261	2.155	14.9	20.8

10222 Klotz 10 7.8 232°.16 2°.8/10.9 18

8 29	1 17.80	+17 11.3	2.226	2.986	14.8	17.8
9 8	1 14.35	+17 0.0	2.127	2.979	12.3	17.6
9 18	1 8.90	+16 31.2	2.048	2.972	9.2	17.4
9 28	1 1.89	+15 45.5	1.994	2.965	5.8	17.2
10 8	0 54.01	+14 45.4	1.966	2.957	3.0	17.0
10 18	0 46.11	+13 35.7	1.967	2.950	4.0	17.1
10 28	0 39.08	+12 23.2	1.997	2.942	7.3	17.3
11 7	0 33.63	+11 14.6	2.054	2.933	10.7	17.5

381121 2007 DP_{60} 10 7.8 183°.31 0°.0/ 7.8 18

8 29	1 21.04	+ 8 47.9	1.940	2.738	15.4	22.1
9 8	1 17.05	+ 8 18.6	1.854	2.739	12.3	21.9
9 18	1 10.82	+ 7 34.7	1.790	2.739	8.6	21.6
9 28	1 2.87	+ 6 39.4	1.750	2.738	4.4	21.4
10 8	0 54.01	+ 5 37.6	1.738	2.737	0.1	21.0
10 18	0 45.21	+ 4 35.6	1.755	2.736	4.6	21.4
10 28	0 37.46	+ 3 40.3	1.800	2.734	8.7	21.7
11 7	0 31.54	+ 2 57.0	1.870	2.732	12.4	21.9

40201 1998 SO_{13} 10 7.8 151°.37 3°.1/ 3.8 18

8 29	1 15.64	− 1 12.4	2.513	3.334	11.7	19.0
9 8	1 12.18	− 2 17.5	2.436	3.337	9.1	18.9
9 18	1 7.11	− 3 28.8	2.384	3.341	6.2	18.7
9 28	1 0.87	− 4 41.2	2.359	3.345	3.7	18.5
10 8	0 54.05	− 5 49.3	2.363	3.348	3.5	18.5
10 18	0 47.31	− 6 47.6	2.397	3.351	5.8	18.7
10 28	0 41.32	− 7 32.1	2.458	3.354	8.6	18.9
11 7	0 36.65	− 8 0.2	2.543	3.357	11.1	19.0

358605 2007 VE_{12} 10 7.8 289°.73 4°.5/ 4.1 18 R

8 29	1 21.47	− 4 7.8	1.886	2.715	14.6	20.9
9 8	1 17.69	− 4 45.2	1.785	2.689	11.7	20.6
9 18	1 11.51	− 5 28.1	1.707	2.663	8.3	20.4
9 28	1 3.35	− 6 10.8	1.653	2.637	5.2	20.1
10 8	0 54.01	− 6 46.9	1.626	2.610	4.8	20.0
10 18	0 44.50	− 7 10.0	1.627	2.584	7.8	20.2
10 28	0 35.94	− 7 15.4	1.653	2.557	11.5	20.3
11 7	0 29.25	− 7 0.8	1.703	2.530	15.1	20.5

97467 2000 CH_{33} 10 7.8 255°.73 0°.6/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.65	+ 6 17.5	2.649	3.446	11.8	20.3
9 8	1 13.05	+ 5 49.1	2.546	3.431	9.3	20.1
9 18	1 7.80	+ 5 11.1	2.465	3.415	6.4	19.9
9 28	1 1.28	+ 4 26.0	2.410	3.400	3.2	19.7
10 8	0 54.06	+ 3 37.5	2.385	3.384	0.7	19.5
10 18	0 46.78	+ 2 50.0	2.389	3.367	3.8	19.7
10 28	0 40.16	+ 2 7.9	2.423	3.351	7.1	19.9
11 7	0 34.80	+ 1 35.1	2.482	3.334	10.1	20.0

118334 1999 AY_{24} 10 7.8 241°.25 0°.9/ 6.9 18

8 29	1 20.27	+ 6 19.1	1.806	2.618	15.9	20.6
9 8	1 16.71	+ 5 47.8	1.716	2.610	12.6	20.4
9 18	1 10.76	+ 5 2.8	1.647	2.601	8.7	20.2
9 28	1 2.92	+ 4 7.5	1.602	2.592	4.3	19.9
10 8	0 54.02	+ 3 7.7	1.584	2.583	1.1	19.6
10 18	0 45.11	+ 2 10.1	1.594	2.573	5.3	19.9
10 28	0 37.25	+ 1 21.7	1.632	2.563	9.7	20.1
11 7	0 31.33	+ 0 47.8	1.693	2.553	13.6	20.4

37948 1998 HN_{23} 10 7.8 91°.29 7°.1/ 2.3 18

8 29	1 25.14	−11 37.5	1.744	2.577	15.5	18.3
9 8	1 20.32	−12 25.6	1.685	2.584	12.5	18.1
9 18	1 13.03	−13 11.4	1.646	2.591	9.5	18.0
9 28	1 3.93	−13 47.3	1.632	2.598	7.4	17.9
10 8	0 54.01	−14 6.3	1.644	2.605	7.5	17.9
10 18	0 44.38	−14 3.9	1.682	2.612	9.8	18.1
10 28	0 36.10	−13 38.4	1.745	2.619	12.7	18.3
11 7	0 29.94	−12 51.4	1.830	2.626	15.5	18.5

517863 2015 RX_{240} 10 7.8 260°.88 6°.1/30.8 18

8 29	1 18.44	−12 6.5	2.375	3.204	12.0	21.3
9 8	1 14.56	−13 5.7	2.299	3.196	9.7	21.2
9 18	1 8.86	−14 3.9	2.247	3.188	7.5	21.0
9 28	1 1.80	−14 55.0	2.221	3.181	6.2	20.9
10 8	0 54.05	−15 33.1	2.222	3.173	6.6	20.9
10 18	0 46.36	−15 53.8	2.250	3.165	8.5	21.0
10 28	0 39.52	−15 54.5	2.303	3.157	10.8	21.2
11 7	0 34.14	−15 35.2	2.380	3.149	13.1	21.3

236535 2006 HM_{30} 10 7.8 118°.86 2°.0/ 5.9 18

8 29	1 22.80	+ 1 54.4	2.044	2.855	14.3	21.1
9 8	1 18.09	+ 1 24.3	1.975	2.870	11.2	21.0
9 18	1 11.31	+ 0 46.3	1.929	2.884	7.6	20.8
9 28	1 3.02	+ 0 4.7	1.908	2.897	3.9	20.6
10 8	0 54.03	− 0 35.5	1.916	2.911	2.2	20.5
10 18	0 45.25	− 1 9.1	1.952	2.923	5.3	20.7
10 28	0 37.55	− 1 31.9	2.017	2.936	8.9	21.0
11 7	0 31.62	− 1 41.1	2.106	2.948	12.1	21.2

421700 2014 PU_{10} 10 7.8 74°.39 2°.2/ 5.3 18

8 29	1 18.21	+ 2 2.2	2.223	3.038	13.2	21.2
9 8	1 14.23	+ 1 9.6	2.167	3.064	10.2	21.1
9 18	1 8.49	+ 0 9.3	2.134	3.090	6.9	20.9
9 28	1 1.53	− 0 53.6	2.127	3.117	3.6	20.7
10 8	0 54.06	− 1 53.7	2.150	3.142	2.5	20.7
10 18	0 46.84	− 2 45.8	2.201	3.168	5.2	20.9
10 28	0 40.58	− 3 25.3	2.280	3.193	8.3	21.2
11 7	0 35.83	− 3 50.1	2.384	3.219	11.1	21.4

152711 1998 SZ_{97} 10 7.8 25°.83 1°.5/ 6.0 18

8 29	1 14.19	+ 5 53.9	2.151	2.965	13.6	19.6
9 8	1 11.39	+ 4 51.7	2.070	2.967	10.6	19.4
9 18	1 6.76	+ 3 36.9	2.013	2.969	7.2	19.2
9 28	1 0.76	+ 2 14.0	1.981	2.972	3.5	19.0
10 8	0 54.07	+ 0 49.6	1.978	2.974	1.7	18.9
10 18	0 47.47	− 0 29.8	2.003	2.977	5.0	19.1
10 28	0 41.73	− 1 37.7	2.056	2.979	8.5	19.3
11 7	0 37.47	− 2 29.6	2.135	2.982	11.7	19.5

396573 2000 HF_{2} 10 7.8 246°.10 0°.7/ 8.7 18

8 29	1 16.68	+12 42.5	2.206	2.989	14.3	22.1
9 8	1 13.47	+11 57.9	2.104	2.977	11.5	21.9
9 18	1 8.30	+10 56.1	2.023	2.965	8.2	21.7
9 28	1 1.61	+ 9 39.2	1.967	2.952	4.4	21.4
10 8	0 54.06	+ 8 12.1	1.940	2.939	0.8	21.1
10 18	0 46.48	+ 6 41.2	1.942	2.925	3.9	21.3
10 28	0 39.72	+ 5 14.1	1.974	2.911	7.8	21.6
11 7	0 34.50	+ 3 57.6	2.031	2.897	11.4	21.8

315958 2008 UR_{59} 10 7.8 1°.38 2°.7/12.2 18

8 29	1 12.83	+18 54.9	3.775	4.502	9.7	20.3
9 8	1 9.55	+19 7.6	3.675	4.502	8.1	20.2
9 18	1 5.12	+19 10.3	3.598	4.502	6.3	20.0
9 28	0 59.84	+19 3.1	3.547	4.502	4.3	19.9
10 8	0 54.10	+18 47.0	3.523	4.503	2.8	19.8
10 18	0 48.35	+18 23.7	3.529	4.503	3.0	19.8
10 28	0 43.08	+17 56.0	3.565	4.504	4.6	19.9
11 7	0 38.68	+17 26.9	3.628	4.505	6.5	20.1

149225 2002 RC_{83} 10 7.8 339°.72 1°.9/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 21.88	+ 1 57.8	1.229	2.076	19.8	18.6
9 8	1 19.09	+ 2 2.9	1.153	2.067	15.8	18.3
9 18	1 13.03	+ 1 58.1	1.096	2.059	11.0	18.1
9 28	1 4.28	+ 1 47.4	1.060	2.052	5.6	17.7
10 8	0 54.02	+ 1 36.4	1.047	2.045	2.1	17.5
10 18	0 43.75	+ 1 31.4	1.059	2.039	7.0	17.8
10 28	0 35.08	+ 1 38.1	1.095	2.035	12.4	18.1
11 7	0 29.16	+ 2 0.2	1.152	2.031	17.2	18.4

293881 2007 RH_{285} 10 7.8 59°.21 1°.1/ 6.9 18

8 29	1 19.40	+ 6 16.8	1.617	2.439	17.0	21.2
9 8	1 15.96	+ 5 40.3	1.556	2.455	13.3	21.0
9 18	1 10.11	+ 4 50.0	1.515	2.472	9.1	20.8
9 28	1 2.48	+ 3 50.6	1.498	2.489	4.5	20.5
10 8	0 54.06	+ 2 48.7	1.508	2.506	1.2	20.4
10 18	0 45.91	+ 1 51.7	1.545	2.524	5.4	20.7
10 28	0 39.05	+ 1 6.2	1.608	2.541	9.7	21.0
11 7	0 34.25	+ 0 36.7	1.695	2.558	13.4	21.3

127948 2003 HU_{9} 10 7.8 237°.61 0°.4/ 7.4 18

8 29	1 18.94	+ 8 41.4	1.882	2.687	15.6	20.6
9 8	1 15.59	+ 8 0.2	1.789	2.678	12.4	20.3
9 18	1 9.95	+ 7 3.0	1.716	2.668	8.7	20.1
9 28	1 2.51	+ 5 53.0	1.669	2.658	4.4	19.8
10 8	0 54.06	+ 4 35.9	1.648	2.647	0.5	19.5
10 18	0 45.59	+ 3 19.0	1.657	2.637	4.9	19.8
10 28	0 38.11	+ 2 10.3	1.692	2.625	9.3	20.1
11 7	0 32.47	+ 1 15.9	1.752	2.614	13.1	20.3

327798 2006 UY_{335} 10 7.8 74°.43 4°.0/ 5.1 17

8 29	1 24.82	− 1 39.4	1.429	2.267	18.0	20.3
9 8	1 20.53	− 2 14.0	1.371	2.280	14.1	20.1
9 18	1 13.42	− 2 55.6	1.333	2.293	9.7	19.9
9 28	1 4.21	− 3 37.7	1.319	2.307	5.5	19.7
10 8	0 54.06	− 4 12.6	1.330	2.320	4.3	19.6
10 18	0 44.26	− 4 33.9	1.368	2.334	7.8	19.9
10 28	0 36.04	− 4 37.3	1.430	2.347	11.9	20.2
11 7	0 30.26	− 4 21.4	1.515	2.361	15.7	20.4

54802 2001 ME_{19} 10 7.8 331°.96 7°.8/14.9 18

8 29	1 11.19	+25 34.6	1.497	2.259	20.8	17.9
9 8	1 10.52	+26 9.0	1.396	2.235	18.2	17.6
9 18	1 7.12	+26 15.9	1.311	2.212	15.0	17.3
9 28	1 1.35	+25 50.5	1.244	2.189	11.6	17.1
10 8	0 54.10	+24 51.6	1.199	2.168	8.6	16.9
10 18	0 46.58	+23 22.5	1.177	2.148	8.0	16.8
10 28	0 40.22	+21 32.8	1.180	2.130	10.5	16.9
11 7	0 36.19	+19 35.8	1.205	2.113	14.3	17.0

408638 2014 MJ_{1} 10 7.8 163°.32 2°.5/10.8 18

8 29	1 18.13	+17 14.5	2.342	3.097	14.3	21.5
9 8	1 14.42	+16 56.4	2.251	3.101	11.8	21.3
9 18	1 8.83	+16 21.4	2.181	3.104	8.8	21.1
9 28	1 1.83	+15 30.4	2.136	3.107	5.5	21.0
10 8	0 54.10	+14 26.4	2.118	3.110	2.7	20.8
10 18	0 46.43	+13 14.5	2.130	3.112	3.7	20.9
10 28	0 39.63	+12 0.8	2.171	3.114	6.9	21.1
11 7	0 34.34	+10 51.8	2.239	3.116	10.0	21.3

217319 2004 PD_{68} 10 7.8 34°.55 1°.7/ 6.0 18

8 29	1 14.65	+ 5 34.4	1.809	2.635	15.3	19.9
9 8	1 12.05	+ 4 34.9	1.742	2.644	12.0	19.7
9 18	1 7.35	+ 3 21.9	1.695	2.655	8.1	19.5
9 28	1 1.11	+ 2 0.8	1.674	2.665	4.0	19.3
10 8	0 54.12	+ 0 39.0	1.680	2.676	1.9	19.2
10 18	0 47.30	− 0 35.9	1.713	2.688	5.5	19.5
10 28	0 41.54	− 1 37.2	1.773	2.699	9.4	19.7
11 7	0 37.50	− 2 20.3	1.857	2.712	12.8	20.0

68788 2002 FU_{13} 10 7.8 213°.78 1°.4/ 5.1 18

8 29	1 10.19	− 0 24.9	4.651	5.456	6.9	20.2
9 8	1 7.19	− 0 50.7	4.562	5.455	5.4	20.1
9 18	1 3.35	− 1 19.4	4.499	5.453	3.6	20.0
9 28	0 58.91	− 1 48.8	4.464	5.452	2.0	19.9
10 8	0 54.17	− 2 17.0	4.459	5.450	1.5	19.8
10 18	0 49.44	− 2 41.8	4.485	5.448	2.9	19.9
10 28	0 45.07	− 3 1.4	4.540	5.447	4.7	20.1
11 7	0 41.35	− 3 14.2	4.622	5.445	6.3	20.2

84687 2002 VK_{102} 10 7.8 238°.73 2°.6/10.7 18

8 29	1 18.55	+16 26.9	2.307	3.067	14.4	20.5
9 8	1 14.92	+16 18.1	2.203	3.056	11.9	20.3
9 18	1 9.31	+15 53.1	2.120	3.045	8.9	20.0
9 28	1 2.15	+15 12.2	2.061	3.033	5.6	19.8
10 8	0 54.11	+14 17.7	2.029	3.021	2.8	19.6
10 18	0 46.00	+13 14.2	2.026	3.008	3.9	19.7
10 28	0 38.71	+12 7.7	2.052	2.996	7.2	19.9
11 7	0 32.95	+11 4.8	2.105	2.983	10.6	20.1

296225 2009 CQ_{36} 10 7.8 125°.79 2°.3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 20.83	+15 34.1	2.384	3.141	14.0	22.1
9 8	1 16.40	+15 27.4	2.304	3.156	11.5	21.9
9 18	1 10.10	+15 6.1	2.245	3.170	8.4	21.7
9 28	1 2.44	+14 30.9	2.211	3.184	5.1	21.6
10 8	0 54.12	+13 44.8	2.205	3.198	2.5	21.4
10 18	0 45.92	+12 51.8	2.229	3.211	3.6	21.5
10 28	0 38.64	+11 57.6	2.282	3.223	6.7	21.7
11 7	0 32.90	+11 7.4	2.362	3.235	9.7	22.0

421903 2014 QT_{214} 10 7.8 0°.57 1°.8/ 5.8 18

8 29	1 14.07	+ 4 37.2	2.106	2.926	13.6	20.8
9 8	1 11.37	+ 3 40.8	2.025	2.926	10.7	20.6
9 18	1 6.80	+ 2 32.8	1.967	2.925	7.2	20.4
9 28	1 0.83	+ 1 17.9	1.934	2.925	3.6	20.2
10 8	0 54.14	+ 0 2.1	1.930	2.925	2.0	20.1
10 18	0 47.52	− 1 7.9	1.953	2.926	5.2	20.3
10 28	0 41.77	− 2 6.2	2.004	2.927	8.8	20.5
11 7	0 37.52	− 2 48.4	2.080	2.928	11.9	20.7

449712 2014 MJ_{38} 10 7.8 308°.09 6°.1/30.3 18

8 29	1 14.86	− 9 11.6	2.201	3.040	12.5	20.4
9 8	1 11.92	−10 40.6	2.129	3.035	10.0	20.2
9 18	1 7.16	−12 11.9	2.081	3.030	7.6	20.0
9 28	1 1.00	−13 38.1	2.059	3.025	6.1	19.9
10 8	0 54.15	−14 51.8	2.064	3.020	6.7	20.0
10 18	0 47.34	−15 46.9	2.097	3.015	8.8	20.1
10 28	0 41.39	−16 19.6	2.154	3.010	11.4	20.3
11 7	0 36.91	−16 28.9	2.233	3.005	13.8	20.4

181256 2005 UD_{359} 10 7.8 182°.84 1°.2/ 5.9 17

8 29	1 13.48	+ 2 21.5	3.600	4.400	8.9	20.8
9 8	1 10.02	+ 1 51.8	3.511	4.400	6.9	20.7
9 18	1 5.42	+ 1 17.2	3.447	4.400	4.7	20.5
9 28	1 0.00	+ 0 39.9	3.411	4.400	2.4	20.3
10 8	0 54.17	+ 0 2.9	3.404	4.399	1.3	20.3
10 18	0 48.37	− 0 31.1	3.428	4.399	3.3	20.4
10 28	0 43.06	− 0 59.1	3.482	4.398	5.6	20.6
11 7	0 38.63	− 1 19.2	3.562	4.397	7.7	20.7

392926 2012 VO_{97} 10 7.8 335°.74 5°.7/ 4.8 18

8 29	1 26.31	− 7 34.9	1.411	2.254	18.0	19.5
9 8	1 22.18	− 7 39.2	1.333	2.242	14.4	19.3
9 18	1 14.94	− 7 43.1	1.274	2.231	10.4	19.0
9 28	1 5.19	− 7 39.8	1.239	2.221	6.8	18.8
10 8	0 54.08	− 7 23.0	1.228	2.212	5.9	18.7
10 18	0 43.03	− 6 48.3	1.242	2.204	9.1	18.9
10 28	0 33.49	− 5 54.0	1.282	2.196	13.3	19.1
11 7	0 26.56	− 4 41.2	1.343	2.190	17.3	19.4

46210 2001 FX_{160} 10 7.8 12°.50 0°.6/ 8.3 18

8 29	1 13.88	+12 13.0	1.201	2.036	20.9	18.1
9 8	1 12.66	+11 30.1	1.134	2.038	16.8	17.8
9 18	1 8.46	+10 20.8	1.084	2.041	11.8	17.5
9 28	1 1.90	+ 8 49.1	1.055	2.045	6.2	17.3
10 8	0 54.14	+ 7 4.4	1.050	2.049	0.6	16.9
10 18	0 46.54	+ 5 18.6	1.070	2.055	5.8	17.3
10 28	0 40.47	+ 3 44.8	1.113	2.061	11.3	17.6
11 7	0 36.90	+ 2 32.7	1.178	2.068	16.1	17.9

178012 2006 QY_{163} 10 7.8 311°.68 1°.8/ 5.9 18

8 29	1 13.04	+ 7 9.6	1.714	2.542	15.9	19.8
9 8	1 11.22	+ 5 56.9	1.618	2.522	12.6	19.5
9 18	1 7.11	+ 4 24.8	1.543	2.503	8.7	19.2
9 28	1 1.16	+ 2 38.1	1.492	2.484	4.3	18.9
10 8	0 54.15	+ 0 45.3	1.469	2.466	2.1	18.7
10 18	0 47.05	− 1 3.3	1.473	2.447	6.2	19.0
10 28	0 40.93	− 2 37.7	1.503	2.430	10.7	19.2
11 7	0 36.64	− 3 50.4	1.556	2.413	14.8	19.4

473861 2016 ES_{133} 10 7.8 233°.68 0°.5/ 8.7 18

8 29	1 12.75	+10 40.0	3.608	4.380	9.4	22.3
9 8	1 9.52	+10 13.9	3.504	4.371	7.5	22.2
9 18	1 5.13	+ 9 39.0	3.423	4.363	5.3	22.0
9 28	0 59.88	+ 8 56.8	3.370	4.354	2.8	21.8
10 8	0 54.18	+ 8 10.0	3.347	4.345	0.5	21.6
10 18	0 48.48	+ 7 21.3	3.354	4.336	2.5	21.8
10 28	0 43.24	+ 6 34.3	3.391	4.327	5.0	22.0
11 7	0 38.89	+ 5 52.1	3.456	4.317	7.3	22.1

260425 2004 XA_{91} 10 7.9 114°.05 2°.4/ 4.9 18

8 29	1 17.80	− 0 25.0	2.560	3.374	11.7	20.5
9 8	1 13.81	− 1 2.5	2.487	3.384	9.1	20.3
9 18	1 8.22	− 1 45.2	2.438	3.394	6.2	20.2
9 28	1 1.46	− 2 29.2	2.416	3.403	3.4	20.0
10 8	0 54.16	− 3 10.2	2.423	3.413	2.6	20.0
10 18	0 46.98	− 3 44.0	2.459	3.422	5.0	20.1
10 28	0 40.58	− 4 7.2	2.523	3.431	7.8	20.3
11 7	0 35.52	− 4 17.7	2.613	3.440	10.4	20.5

432305 2009 SY_{355} 10 7.9 306°.26 0°.3/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 9.81	+ 6 32.6	4.206	4.995	7.9	21.3
9 8	1 7.03	+ 6 2.9	4.111	4.992	6.2	21.1
9 18	1 3.31	+ 5 27.2	4.041	4.990	4.2	21.0
9 28	0 58.93	+ 4 47.4	3.999	4.987	2.1	20.8
10 8	0 54.20	+ 4 5.7	3.986	4.985	0.4	20.7
10 18	0 49.49	+ 3 24.8	4.004	4.982	2.4	20.9
10 28	0 45.16	+ 2 47.1	4.052	4.980	4.5	21.0
11 7	0 41.55	+ 2 15.1	4.128	4.977	6.5	21.2

442740 2012 WT_{1} 10 7.9 351°.97 4°.6/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.73	− 2 31.9	1.384	2.236	17.7	20.0
9 8	1 16.09	− 3 7.8	1.314	2.231	14.0	19.7
9 18	1 10.63	− 3 51.0	1.264	2.227	9.8	19.5
9 28	1 2.96	− 4 34.5	1.236	2.224	5.8	19.3
10 8	0 54.13	− 5 10.2	1.232	2.221	4.9	19.2
10 18	0 45.42	− 5 31.0	1.254	2.220	8.4	19.4
10 28	0 38.12	− 5 31.7	1.299	2.219	12.7	19.7
11 7	0 33.16	− 5 10.8	1.366	2.219	16.6	19.9

517467 2014 PY_{17} 10 7.9 63°.47 3°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.33	+15 49.0	2.188	2.951	15.0	20.9
9 8	1 16.26	+16 8.3	2.107	2.961	12.3	20.7
9 18	1 10.17	+16 13.0	2.047	2.971	9.2	20.5
9 28	1 2.55	+16 3.1	2.012	2.982	5.9	20.4
10 8	0 54.15	+15 40.3	2.003	2.992	3.3	20.2
10 18	0 45.83	+15 8.2	2.023	3.003	4.1	20.3
10 28	0 38.47	+14 31.8	2.071	3.014	7.2	20.5
11 7	0 32.78	+13 56.6	2.145	3.025	10.3	20.7

396159 2013 EA_{41} 10 7.9 263°.70 0°.4/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.17	+ 4 40.6	4.474	5.264	7.4	21.5
9 8	1 8.02	+ 4 25.5	4.376	5.258	5.8	21.4
9 18	1 3.96	+ 4 5.8	4.303	5.253	4.0	21.2
9 28	0 59.25	+ 3 43.2	4.258	5.247	2.0	21.1
10 8	0 54.20	+ 3 19.5	4.243	5.241	0.5	20.9
10 18	0 49.16	+ 2 56.8	4.258	5.235	2.4	21.1
10 28	0 44.48	+ 2 37.0	4.304	5.229	4.4	21.2
11 7	0 40.48	+ 2 22.1	4.377	5.224	6.2	21.4

521931 2015 UA_{90} 10 7.9 163°.50 4°.0/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.78	− 5 49.8	2.424	3.247	12.0	21.3
9 8	1 14.73	− 6 29.9	2.348	3.248	9.4	21.1
9 18	1 8.94	− 7 12.3	2.296	3.249	6.7	21.0
9 28	1 1.87	− 7 52.1	2.270	3.249	4.5	20.8
10 8	0 54.16	− 8 24.6	2.272	3.250	4.3	20.8
10 18	0 46.55	− 8 45.5	2.303	3.251	6.5	21.0
10 28	0 39.77	− 8 51.9	2.361	3.251	9.1	21.1
11 7	0 34.42	− 8 42.9	2.444	3.251	11.7	21.3

209228 2003 WF_{79} 10 7.9 349°.88 1°.0/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.04	+ 9 36.4	1.438	2.263	18.6	20.2
9 8	1 14.79	+ 9 38.8	1.359	2.257	15.0	20.0
9 18	1 9.79	+ 9 24.5	1.298	2.251	10.7	19.7
9 28	1 2.58	+ 8 55.1	1.259	2.247	5.7	19.4
10 8	0 54.15	+ 8 15.3	1.245	2.243	1.1	19.1
10 18	0 45.73	+ 7 31.5	1.256	2.241	5.1	19.4
10 28	0 38.60	+ 6 51.7	1.292	2.239	10.1	19.7
11 7	0 33.75	+ 6 22.6	1.350	2.238	14.5	19.9

220389 2003 QE_{68} 10 7.9 104°.16 4°.5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.01	+22 6.8	2.597	3.310	14.0	20.3
9 8	1 17.29	+22 34.8	2.515	3.327	11.8	20.1
9 18	1 10.72	+22 47.4	2.454	3.344	9.3	20.0
9 28	1 2.78	+22 43.4	2.417	3.360	6.8	19.9
10 8	0 54.16	+22 23.6	2.407	3.377	4.8	19.8
10 18	0 45.61	+21 50.6	2.425	3.393	4.8	19.8
10 28	0 37.95	+21 8.7	2.473	3.408	6.6	19.9
11 7	0 31.79	+20 23.4	2.548	3.424	9.0	20.1

404506 2013 HV_{41} 10 7.9 99°.93 0°.6/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.51	+ 8 34.5	2.243	3.033	13.8	21.8
9 8	1 16.29	+ 8 34.3	2.161	3.039	11.1	21.6
9 18	1 10.14	+ 8 23.5	2.100	3.045	7.8	21.4
9 28	1 2.53	+ 8 3.9	2.064	3.050	4.1	21.2
10 8	0 54.17	+ 7 38.4	2.057	3.056	0.6	20.9
10 18	0 45.89	+ 7 11.0	2.078	3.061	3.8	21.2
10 28	0 38.52	+ 6 46.2	2.129	3.066	7.4	21.4
11 7	0 32.73	+ 6 27.8	2.205	3.072	10.6	21.6

520206 2014 DY_{150} 10 7.9 179°.91 3°.2/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 24.87	+14 18.9	1.969	2.737	16.2	21.3
9 8	1 20.23	+14 52.3	1.880	2.737	13.4	21.1
9 18	1 13.17	+15 11.7	1.810	2.737	10.0	20.9
9 28	1 4.19	+15 16.4	1.765	2.738	6.3	20.7
10 8	0 54.15	+15 7.5	1.747	2.738	3.4	20.5
10 18	0 44.08	+14 48.0	1.757	2.737	4.6	20.6
10 28	0 35.09	+14 23.0	1.795	2.737	8.2	20.8
11 7	0 28.04	+13 58.2	1.859	2.736	11.7	21.0

68743 2002 EY_{42} 10 7.9 117°.89 1°.4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 21.27	+12 21.5	1.932	2.717	15.9	20.6
9 8	1 17.21	+12 9.2	1.855	2.727	12.9	20.4
9 18	1 10.92	+11 41.2	1.798	2.738	9.2	20.2
9 28	1 2.96	+10 59.2	1.766	2.748	5.1	20.0
10 8	0 54.17	+10 7.1	1.761	2.758	1.5	19.7
10 18	0 45.53	+ 9 10.7	1.785	2.768	4.1	19.9
10 28	0 37.99	+ 8 16.5	1.836	2.778	8.1	20.2
11 7	0 32.31	+ 7 30.4	1.913	2.787	11.6	20.4

286711 2002 GY_{68} 10 7.9 170°.68 1°.3/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.64	+ 4 36.0	2.501	3.306	12.2	21.2
9 8	1 13.04	+ 3 52.6	2.417	3.308	9.5	21.0
9 18	1 7.79	+ 3 0.0	2.356	3.309	6.5	20.9
9 28	1 1.31	+ 2 1.6	2.321	3.311	3.2	20.6
10 8	0 54.20	+ 1 2.2	2.315	3.312	1.5	20.5
10 18	0 47.16	+ 0 6.6	2.339	3.313	4.4	20.7
10 28	0 40.87	− 0 40.2	2.392	3.313	7.6	20.9
11 7	0 35.92	− 1 15.0	2.470	3.314	10.4	21.1

53751 2000 EN_{62} 10 7.9 322°.52 1°.8/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.05	+ 5 22.4	1.366	2.206	18.6	19.4
9 8	1 14.96	+ 4 45.4	1.285	2.196	14.7	19.2
9 18	1 10.01	+ 3 51.5	1.224	2.186	10.2	18.9
9 28	1 2.74	+ 2 45.5	1.184	2.176	5.1	18.6
10 8	0 54.18	+ 1 35.4	1.169	2.167	2.0	18.4
10 18	0 45.59	+ 0 30.6	1.180	2.159	6.7	18.6
10 28	0 38.33	− 0 19.7	1.215	2.150	11.8	18.9
11 7	0 33.43	− 0 49.6	1.271	2.143	16.4	19.2

50824 2000 FU_{35} 10 7.9 340°.61 3°.5/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.21	− 0 0.2	1.747	2.583	15.3	18.4
9 8	1 14.28	− 0 53.4	1.671	2.580	12.0	18.2
9 18	1 9.06	− 1 56.0	1.616	2.577	8.3	18.0
9 28	1 2.08	− 3 2.0	1.585	2.574	4.6	17.8
10 8	0 54.20	− 4 3.9	1.582	2.572	3.8	17.7
10 18	0 46.39	− 4 54.5	1.605	2.569	7.0	17.9
10 28	0 39.66	− 5 28.2	1.653	2.568	10.8	18.1
11 7	0 34.81	− 5 41.8	1.725	2.566	14.3	18.3

371419 2006 SV_{85} 10 7.9 340°.43 0°.4/ 8.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.82	+11 21.1	1.225	2.062	20.5	20.7
9 8	1 12.71	+10 44.0	1.149	2.054	16.5	20.4
9 18	1 8.61	+ 9 41.4	1.089	2.047	11.7	20.2
9 28	1 2.08	+ 8 16.6	1.051	2.041	6.1	19.8
10 8	0 54.20	+ 6 38.0	1.036	2.035	0.4	19.4
10 18	0 46.32	+ 4 57.1	1.046	2.030	6.0	19.8
10 28	0 39.89	+ 3 26.9	1.079	2.026	11.6	20.1
11 7	0 35.97	+ 2 17.4	1.134	2.023	16.6	20.4

322555 2011 YQ_{53} 10 7.9 255°.94 1°.5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.62	+15 31.9	4.597	5.339	7.9	21.5
9 8	1 7.63	+15 25.5	4.493	5.335	6.5	21.4
9 18	1 3.72	+15 11.3	4.412	5.331	4.8	21.3
9 28	0 59.16	+14 49.9	4.358	5.327	3.0	21.1
10 8	0 54.26	+14 22.8	4.333	5.323	1.6	21.0
10 18	0 49.36	+13 51.7	4.338	5.319	2.1	21.1
10 28	0 44.81	+13 19.0	4.373	5.314	3.8	21.2
11 7	0 40.95	+12 47.0	4.438	5.310	5.5	21.3

391970 2008 WN_{134} 10 7.9 273°.34 2°.1/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.39	+ 3 3.0	1.846	2.668	15.2	21.4
9 8	1 16.05	+ 2 25.5	1.751	2.652	12.0	21.2
9 18	1 10.38	+ 1 36.6	1.678	2.636	8.3	20.9
9 28	1 2.83	+ 0 40.4	1.629	2.620	4.2	20.6
10 8	0 54.21	− 0 16.7	1.608	2.603	2.4	20.5
10 18	0 45.50	− 1 8.1	1.614	2.587	6.0	20.7
10 28	0 37.78	− 1 47.3	1.647	2.570	10.2	20.9
11 7	0 31.90	− 2 9.9	1.703	2.554	14.0	21.1

313374 2002 JH_{144} 10 7.9 191°.38 8°.7/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.74	−24 8.2	2.608	3.414	11.7	20.7
9 8	1 17.02	−25 18.4	2.552	3.412	10.2	20.6
9 18	1 10.49	−26 20.0	2.519	3.411	9.1	20.5
9 28	1 2.66	−27 6.3	2.511	3.409	8.7	20.5
10 8	0 54.23	−27 32.0	2.529	3.407	9.3	20.5
10 18	0 45.95	−27 34.2	2.571	3.405	10.6	20.6
10 28	0 38.60	−27 12.0	2.636	3.403	12.1	20.7
11 7	0 32.77	−26 27.5	2.722	3.400	13.6	20.8

408207 2013 EH_{49} 10 7.9 113°.91 0°.2/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.04	+ 8 58.5	2.780	3.558	11.7	22.3
9 8	1 14.62	+ 8 32.8	2.707	3.580	9.3	22.1
9 18	1 8.70	+ 7 57.5	2.657	3.600	6.4	22.0
9 28	1 1.71	+ 7 14.8	2.634	3.620	3.3	21.8
10 8	0 54.25	+ 6 28.1	2.641	3.640	0.2	21.6
10 18	0 46.92	+ 5 41.3	2.678	3.659	3.2	21.9
10 28	0 40.36	+ 4 58.6	2.745	3.677	6.2	22.1
11 7	0 35.08	+ 4 23.3	2.839	3.695	8.8	22.3

113643 2002 TV_{77} 10 7.9 320°.15 1°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.17	+14 39.5	1.867	2.655	16.3	19.8
9 8	1 13.45	+14 12.6	1.778	2.651	13.3	19.5
9 18	1 8.51	+13 26.1	1.709	2.648	9.7	19.3
9 28	1 1.84	+12 21.7	1.664	2.645	5.6	19.1
10 8	0 54.24	+11 4.0	1.645	2.642	2.0	18.8
10 18	0 46.66	+ 9 39.8	1.654	2.639	4.2	19.0
10 28	0 40.11	+ 8 17.4	1.691	2.636	8.3	19.2
11 7	0 35.35	+ 7 4.7	1.753	2.633	12.1	19.5

66064 1998 RW_{4} 10 7.9 13°.37 6°.3/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.57	+ 8 36.7	0.916	1.789	22.9	18.4
9 8	1 9.96	+ 5 0.8	0.857	1.790	17.6	18.1
9 18	1 6.96	+ 0 41.5	0.818	1.792	11.7	17.7
9 28	1 1.28	− 4 0.0	0.803	1.794	6.8	17.5
10 8	0 54.25	− 8 32.3	0.813	1.798	7.9	17.6
10 18	0 47.44	−12 25.1	0.848	1.802	13.3	17.9
10 28	0 42.41	−15 18.7	0.904	1.807	18.7	18.2
11 7	0 40.18	−17 8.8	0.979	1.812	23.2	18.5

356904 2011 YT_{71} 10 7.9 299°.91 0°.7/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 11.23	+ 3 33.7	4.196	4.991	7.8	20.6
9 8	1 8.15	+ 3 14.8	4.100	4.986	6.1	20.4
9 18	1 4.11	+ 2 51.5	4.029	4.981	4.1	20.3
9 28	0 59.37	+ 2 25.4	3.986	4.976	2.0	20.1
10 8	0 54.28	+ 1 58.8	3.973	4.970	0.8	20.0
10 18	0 49.20	+ 1 33.8	3.990	4.965	2.6	20.2
10 28	0 44.51	+ 1 12.7	4.038	4.960	4.7	20.3
11 7	0 40.55	+ 0 57.3	4.112	4.955	6.6	20.4

448344 2009 FX_{57} 10 7.9 154°.86 0°.8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.59	+10 37.5	2.323	3.105	13.7	22.2
9 8	1 15.54	+10 20.0	2.237	3.110	10.9	22.0
9 18	1 9.61	+ 9 50.0	2.173	3.115	7.7	21.8
9 28	1 2.28	+ 9 9.4	2.135	3.120	4.2	21.6
10 8	0 54.24	+ 8 21.7	2.125	3.124	0.8	21.3
10 18	0 46.27	+ 7 31.5	2.145	3.128	3.6	21.6
10 28	0 39.17	+ 6 44.2	2.194	3.131	7.2	21.8
11 7	0 33.59	+ 6 4.5	2.269	3.134	10.4	22.0

163061 2001 YV_{98} 10 7.9 351°.18 2°.5/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.90	+ 4 27.3	1.102	1.961	20.8	20.2
9 8	1 15.37	+ 3 46.8	1.035	1.956	16.5	19.9
9 18	1 10.57	+ 2 47.9	0.986	1.953	11.4	19.6
9 28	1 3.11	+ 1 36.9	0.957	1.950	5.7	19.3
10 8	0 54.23	+ 0 24.0	0.951	1.948	2.8	19.1
10 18	0 45.44	− 0 39.6	0.968	1.947	7.8	19.4
10 28	0 38.33	− 1 23.9	1.008	1.946	13.4	19.7
11 7	0 33.98	− 1 43.2	1.067	1.947	18.2	20.0

231300 2006 BF_{159} 10 7.9 113°.99 4°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.61	+19 21.6	2.020	2.765	16.6	21.0
9 8	1 19.06	+19 39.7	1.942	2.780	13.8	20.9
9 18	1 12.23	+19 39.6	1.884	2.795	10.6	20.7
9 28	1 3.66	+19 20.3	1.849	2.809	7.2	20.5
10 8	0 54.23	+18 43.8	1.840	2.823	4.5	20.4
10 18	0 44.93	+17 54.0	1.860	2.836	4.9	20.4
10 28	0 36.77	+16 57.5	1.907	2.849	7.8	20.6
11 7	0 30.52	+16 1.4	1.981	2.862	10.9	20.9

234023 1998 RP_{62} 10 7.9 39°.73 3°.5/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.91	+ 4 9.2	1.364	2.212	18.2	19.4
9 8	1 12.80	+ 2 29.7	1.316	2.232	14.0	19.2
9 18	1 8.11	+ 0 34.5	1.288	2.253	9.4	19.0
9 28	1 1.58	− 1 26.6	1.284	2.275	5.0	18.8
10 8	0 54.26	− 3 21.6	1.306	2.298	4.0	18.9
10 18	0 47.28	− 4 59.6	1.354	2.321	7.8	19.1
10 28	0 41.72	− 6 12.5	1.426	2.344	11.9	19.4
11 7	0 38.29	− 6 57.1	1.521	2.368	15.5	19.7

339140 2004 SN_{59} 10 7.9 313°.49 1°.5/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 43.47	+ 0 43.5	1.004	1.832	24.6	20.0
9 8	1 37.96	+ 2 34.4	0.920	1.819	20.2	19.6
9 18	1 27.46	+ 4 31.7	0.852	1.806	14.6	19.3
9 28	1 12.34	+ 6 33.9	0.806	1.794	7.9	18.9
10 8	0 54.11	+ 8 36.6	0.784	1.783	1.5	18.4
10 18	0 35.28	+10 33.5	0.789	1.772	7.8	18.8
10 28	0 18.73	+12 20.7	0.818	1.762	14.9	19.1
11 7	0 6.55	+13 59.0	0.869	1.752	21.0	19.4

28816 Kimneville 10 7.9 213°.67 1°.8/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.79	+ 3 47.2	1.916	2.728	15.1	19.5
9 8	1 17.76	+ 3 9.3	1.828	2.723	11.9	19.3
9 18	1 11.44	+ 2 20.1	1.761	2.717	8.2	19.1
9 28	1 3.33	+ 1 23.7	1.720	2.710	4.1	18.8
10 8	0 54.24	+ 0 26.1	1.706	2.702	2.0	18.7
10 18	0 45.17	− 0 26.3	1.721	2.695	5.6	18.9
10 28	0 37.12	− 1 7.4	1.763	2.686	9.7	19.1
11 7	0 30.92	− 1 32.9	1.830	2.677	13.3	19.3

404526 2013 HK_{119} 10 7.9 87°.94 1°.6/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 18.94	+ 2 47.1	2.232	3.044	13.2	20.9
9 8	1 15.00	+ 2 19.3	2.159	3.054	10.4	20.8
9 18	1 9.21	+ 1 43.7	2.108	3.063	7.0	20.6
9 28	1 2.06	+ 1 3.8	2.083	3.073	3.5	20.4
10 8	0 54.27	+ 0 24.3	2.086	3.082	1.8	20.3
10 18	0 46.60	− 0 10.2	2.118	3.092	4.8	20.5
10 28	0 39.86	− 0 35.6	2.179	3.101	8.1	20.7
11 7	0 34.64	− 0 48.9	2.264	3.111	11.1	20.9

359001 2008 TP_{150} 10 7.9 316°.38 0°.7/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.62	+ 4 28.8	4.322	5.118	7.6	20.7
9 8	1 6.87	+ 3 57.0	4.230	5.116	5.9	20.5
9 18	1 3.23	+ 3 20.2	4.162	5.114	4.0	20.4
9 28	0 58.93	+ 2 40.2	4.122	5.112	2.0	20.3
10 8	0 54.31	+ 1 59.4	4.113	5.110	0.8	20.1
10 18	0 49.70	+ 1 20.3	4.133	5.108	2.6	20.3
10 28	0 45.47	+ 0 45.4	4.184	5.106	4.6	20.4
11 7	0 41.93	+ 0 16.6	4.263	5.104	6.4	20.6

121344 1999 TB_{29} 10 7.9 27°.36 0°.3/ 8.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.70	+10 9.7	1.479	2.301	18.3	19.0
9 8	1 14.29	+ 9 39.9	1.410	2.307	14.6	18.8
9 18	1 9.27	+ 8 51.1	1.360	2.314	10.2	18.5
9 28	1 2.27	+ 7 46.9	1.332	2.321	5.3	18.3
10 8	0 54.27	+ 6 33.9	1.330	2.329	0.3	17.9
10 18	0 46.44	+ 5 20.8	1.354	2.338	5.1	18.3
10 28	0 39.92	+ 4 16.3	1.403	2.347	9.9	18.6
11 7	0 35.57	+ 3 27.3	1.476	2.356	14.0	18.9

215778 2004 HP_{53} 10 7.9 122°.29 6°.9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.72	−12 16.0	2.177	3.009	12.8	20.4
9 8	1 14.89	−13 42.3	2.120	3.018	10.3	20.3
9 18	1 9.15	−15 7.2	2.087	3.027	8.1	20.2
9 28	1 2.04	−16 23.2	2.080	3.035	6.9	20.1
10 8	0 54.29	−17 23.3	2.100	3.043	7.4	20.2
10 18	0 46.71	−18 2.5	2.146	3.051	9.3	20.3
10 28	0 40.10	−18 18.2	2.218	3.059	11.6	20.5
11 7	0 35.09	−18 10.8	2.311	3.066	13.8	20.6

454913 2015 TT_{135} 10 7.9 348°.73 5°.6/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.82	− 6 31.6	1.871	2.716	14.1	21.2
9 8	1 13.03	− 7 39.8	1.800	2.712	11.2	21.0
9 18	1 8.13	− 8 51.8	1.752	2.708	8.1	20.8
9 28	1 1.62	−10 0.3	1.728	2.705	5.9	20.7
10 8	0 54.30	−10 57.7	1.730	2.702	6.1	20.7
10 18	0 47.06	−11 37.7	1.759	2.700	8.6	20.9
10 28	0 40.84	−11 56.0	1.813	2.698	11.7	21.1
11 7	0 36.34	−11 51.6	1.888	2.697	14.6	21.3

206445 2003 SL_{246} 10 7.9 295°.10 1°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 26.06	+ 8 10.7	1.781	2.577	16.7	20.2
9 8	1 21.46	+ 8 41.7	1.691	2.571	13.5	20.0
9 18	1 14.22	+ 9 2.4	1.620	2.565	9.6	19.7
9 28	1 4.85	+ 9 13.2	1.574	2.558	5.3	19.5
10 8	0 54.26	+ 9 16.1	1.554	2.552	1.3	19.2
10 18	0 43.60	+ 9 14.2	1.563	2.546	4.6	19.4
10 28	0 34.08	+ 9 11.8	1.600	2.541	9.1	19.7
11 7	0 26.69	+ 9 13.7	1.661	2.535	13.1	19.9

343938 2011 KY_{18} 10 7.9 87°.98 5°.0/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.73	− 4 57.9	1.738	2.569	15.6	20.1
9 8	1 19.14	− 5 50.2	1.684	2.588	12.2	19.9
9 18	1 12.20	− 6 45.8	1.652	2.607	8.6	19.8
9 28	1 3.60	− 7 37.9	1.645	2.626	5.6	19.6
10 8	0 54.28	− 8 19.4	1.664	2.644	5.3	19.7
10 18	0 45.30	− 8 44.9	1.711	2.662	8.0	19.9
10 28	0 37.64	− 8 51.0	1.784	2.680	11.2	20.1
11 7	0 32.01	− 8 37.3	1.879	2.698	14.2	20.3

316307 2010 RD_{67} 10 7.9 6°.68 4°.5/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.36	− 2 7.1	1.583	2.432	16.0	20.4
9 8	1 13.02	− 3 4.2	1.517	2.433	12.5	20.2
9 18	1 8.29	− 4 9.0	1.472	2.435	8.7	20.0
9 28	1 1.74	− 5 14.4	1.451	2.437	5.3	19.8
10 8	0 54.30	− 6 12.1	1.455	2.441	4.9	19.8
10 18	0 47.01	− 6 54.9	1.484	2.445	8.0	20.0
10 28	0 40.90	− 7 17.5	1.539	2.450	11.7	20.2
11 7	0 36.76	− 7 17.9	1.615	2.455	15.1	20.4

225768 2001 SQ_{289} 10 7.9 327°.58 14°.4/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.87	−20 24.8	1.201	2.070	18.8	18.7
9 8	1 14.69	−22 26.6	1.137	2.045	16.5	18.5
9 18	1 10.22	−24 22.0	1.091	2.020	14.8	18.3
9 28	1 3.03	−25 55.0	1.065	1.997	14.5	18.3
10 8	0 54.28	−26 50.8	1.059	1.975	15.9	18.3
10 18	0 45.50	−26 59.8	1.072	1.954	18.4	18.4
10 28	0 38.30	−26 19.3	1.102	1.934	21.4	18.5
11 7	0 33.85	−24 54.0	1.146	1.916	24.3	18.6

95494 2002 ES_{31} 10 7.9 176.°46 2.°4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 19.75	+15 1.7	2.522	3.279	13.3	19.8
9 8	1 15.62	+15 8.5	2.428	3.280	10.9	19.6
9 18	1 9.67	+15 2.4	2.356	3.281	8.1	19.4
9 28	1 2.35	+14 43.5	2.309	3.282	5.0	19.2
10 8	0 54.30	+14 14.0	2.290	3.282	2.5	19.1
10 18	0 46.25	+13 37.1	2.301	3.282	3.6	19.1
10 28	0 38.99	+12 57.4	2.340	3.282	6.5	19.3
11 7	0 33.16	+12 19.6	2.407	3.282	9.5	19.5

101196 1998 SM_{26} 10 7.9 348.°70 0.°6/ 8.4 18

8 29	1 15.47	+ 9 11.9	1.778	2.592	16.0	19.4
9 8	1 13.00	+ 9 3.7	1.692	2.585	12.8	19.2
9 18	1 8.28	+ 8 41.1	1.627	2.578	9.1	18.9
9 28	1 1.77	+ 8 6.4	1.585	2.573	4.8	18.7
10 8	0 54.30	+ 7 23.7	1.569	2.568	0.6	18.3
10 18	0 46.83	+ 6 38.7	1.580	2.564	4.5	18.6
10 28	0 40.38	+ 5 58.0	1.618	2.561	8.8	18.9
11 7	0 35.76	+ 5 27.0	1.680	2.559	12.6	19.1

269825 2000 AZ_{44} 10 7.9 3.°69 3.°3/11.2 18

8 29	1 18.04	+16 50.2	2.139	2.903	15.2	20.5
9 8	1 14.66	+17 4.6	2.049	2.903	12.6	20.3
9 18	1 9.23	+17 3.2	1.980	2.903	9.5	20.1
9 28	1 2.20	+16 45.7	1.935	2.903	6.2	19.9
10 8	0 54.31	+16 14.1	1.916	2.904	3.6	19.8
10 18	0 46.42	+15 32.1	1.924	2.905	4.3	19.8
10 28	0 39.45	+14 45.2	1.961	2.906	7.4	20.0
11 7	0 34.12	+13 59.6	2.023	2.907	10.6	20.2

31372 1998 XN_{11} 10 7.9 166.°80 4.°5/ 4.5 18

8 29	1 24.84	− 1 56.8	1.512	2.346	17.4	18.3
9 8	1 20.66	− 2 46.8	1.442	2.348	13.7	18.0
9 18	1 13.67	− 3 44.9	1.392	2.351	9.5	17.8
9 28	1 4.52	− 4 44.1	1.366	2.353	5.6	17.6
10 8	0 54.29	− 5 35.9	1.367	2.354	4.8	17.5
10 18	0 44.22	− 6 12.8	1.394	2.356	8.2	17.8
10 28	0 35.60	− 6 29.3	1.446	2.356	12.4	18.0
11 7	0 29.32	− 6 23.6	1.520	2.357	16.1	18.2

406666 2008 EZ_{50} 10 7.9 122.°57 2.°8/10.8 18

8 29	1 23.63	+15 26.2	2.513	3.261	13.6	21.6
9 8	1 18.59	+15 48.7	2.429	3.273	11.2	21.4
9 18	1 11.67	+15 58.7	2.367	3.286	8.3	21.2
9 28	1 3.34	+15 56.1	2.329	3.298	5.3	21.1
10 8	0 54.31	+15 42.2	2.321	3.309	3.0	20.9
10 18	0 45.34	+15 19.7	2.342	3.321	3.8	21.0
10 28	0 37.25	+14 52.8	2.392	3.332	6.6	21.2
11 7	0 30.69	+14 26.0	2.470	3.342	9.4	21.4

339227 2004 TE_{342} 10 7.9 353.°37 12.°0/27.6 18

8 29	1 14.45	−15 39.2	1.208	2.083	18.3	19.2
9 8	1 13.16	−17 35.2	1.158	2.076	15.4	19.1
9 18	1 8.84	−19 26.9	1.126	2.070	12.9	18.9
9 28	1 2.16	−20 59.8	1.116	2.066	12.0	18.8
10 8	0 54.31	−22 0.9	1.127	2.063	13.1	18.9
10 18	0 46.67	−22 22.2	1.158	2.062	15.6	19.0
10 28	0 40.61	−22 1.7	1.209	2.061	18.6	19.2
11 7	0 37.04	−21 3.4	1.276	2.063	21.4	19.4

409202 2003 WY_{2} 10 7.9 314.°64 4.°2/ 4.8 17

8 29	1 27.23	− 7 36.7	2.162	2.975	13.6	20.9
9 8	1 21.75	− 7 36.9	2.072	2.964	10.8	20.7
9 18	1 14.04	− 7 36.3	2.004	2.953	7.8	20.5
9 28	1 4.63	− 7 30.5	1.963	2.943	5.0	20.3
10 8	0 54.30	− 7 15.6	1.950	2.932	4.4	20.3
10 18	0 44.01	− 6 48.7	1.967	2.922	6.8	20.4
10 28	0 34.73	− 6 8.1	2.012	2.912	10.0	20.6
11 7	0 27.24	− 5 14.2	2.083	2.903	13.0	20.8

220111 2002 TH_{32} 10 7.9 339.°71 0.°9/ 8.5 18

8 29	1 18.65	+ 9 18.5	1.293	2.124	19.9	19.7
9 8	1 16.46	+ 9 20.1	1.215	2.116	16.1	19.4
9 18	1 11.21	+ 9 3.7	1.154	2.110	11.5	19.1
9 28	1 3.47	+ 8 30.9	1.115	2.104	6.1	18.8
10 8	0 54.31	+ 7 46.9	1.099	2.098	0.9	18.5
10 18	0 45.12	+ 6 59.0	1.109	2.094	5.6	18.8
10 28	0 37.38	+ 6 16.2	1.142	2.090	11.0	19.1
11 7	0 32.21	+ 5 46.2	1.197	2.087	15.9	19.4

476491 2008 FY_{106} 10 7.9 149.°56 1.°0/ 6.9 16

8 29	1 22.54	+ 6 27.5	1.877	2.682	15.6	22.7
9 8	1 18.26	+ 5 47.7	1.801	2.690	12.3	22.5
9 18	1 11.70	+ 4 54.7	1.746	2.698	8.5	22.2
9 28	1 3.43	+ 3 52.5	1.716	2.706	4.2	22.0
10 8	0 54.31	+ 2 47.2	1.714	2.712	1.1	21.8
10 18	0 45.34	+ 1 45.5	1.741	2.719	5.1	22.1
10 28	0 37.51	+ 0 53.8	1.796	2.724	9.2	22.4
11 7	0 31.58	+ 0 17.0	1.875	2.729	12.8	22.6

203216 2001 FY_{7} 10 7.9 206.°96 3.°2/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 19.90	− 0 51.4	2.177	2.996	13.3	20.8
9 8	1 15.94	− 1 43.5	2.092	2.991	10.4	20.6
9 18	1 10.00	− 2 42.8	2.031	2.987	7.2	20.4
9 28	1 2.56	− 3 44.3	1.995	2.982	4.1	20.2
10 8	0 54.33	− 4 42.0	1.988	2.976	3.5	20.2
10 18	0 46.13	− 5 30.0	2.010	2.970	6.2	20.4
10 28	0 38.83	− 6 3.6	2.059	2.964	9.5	20.6
11 7	0 33.12	− 6 20.1	2.133	2.957	12.6	20.7

188444 2004 GN_{47} 10 7.9 323.°78 1.°2/ 6.9 18

8 29	1 20.96	+ 3 29.2	1.850	2.667	15.4	20.2
9 8	1 17.20	+ 3 21.6	1.765	2.661	12.2	20.0
9 18	1 11.12	+ 3 4.9	1.700	2.656	8.4	19.8
9 28	1 3.21	+ 2 42.2	1.661	2.651	4.2	19.5
10 8	0 54.33	+ 2 18.1	1.648	2.646	1.3	19.3
10 18	0 45.46	+ 1 57.2	1.663	2.642	5.2	19.5
10 28	0 37.64	+ 1 44.6	1.705	2.637	9.3	19.8
11 7	0 31.71	+ 1 43.6	1.772	2.633	13.0	20.0

403754 2011 BE_{6} 10 7.9 333.°84 1.°6/ 6.4 16

8 29	1 15.41	+ 4 1.7	1.806	2.634	15.2	21.6
9 8	1 12.94	+ 3 33.3	1.717	2.621	12.0	21.4
9 18	1 8.24	+ 2 53.3	1.650	2.609	8.3	21.1
9 28	1 1.78	+ 2 5.8	1.606	2.598	4.1	20.9
10 8	0 54.35	+ 1 16.4	1.589	2.587	1.8	20.7
10 18	0 46.88	+ 0 31.4	1.599	2.576	5.5	20.9
10 28	0 40.39	− 0 3.1	1.635	2.567	9.7	21.1
11 7	0 35.68	− 0 22.5	1.695	2.558	13.4	21.4

358721 2008 BE_{45} 10 7.9 333.°69 2.°8/ 6.1 18

8 29	1 19.80	− 0 12.9	1.464	2.307	17.4	20.2
9 8	1 17.04	− 0 17.5	1.378	2.290	13.9	19.9
9 18	1 11.47	− 0 29.4	1.311	2.273	9.6	19.6
9 28	1 3.58	− 0 44.1	1.267	2.258	5.1	19.3
10 8	0 54.34	− 0 55.9	1.248	2.243	3.0	19.1
10 18	0 45.00	− 0 59.0	1.254	2.230	7.0	19.3
10 28	0 36.90	− 0 48.7	1.285	2.217	11.7	19.6
11 7	0 31.12	− 0 22.2	1.338	2.206	16.0	19.8

37947 1998 HJ_{20} 10 7.9 44.°77 0.°4/ 8.2 18

8 29	1 19.11	+ 9 45.3	1.700	2.508	16.9	19.2
9 8	1 15.92	+ 9 23.0	1.621	2.510	13.5	19.0
9 18	1 10.31	+ 8 44.4	1.562	2.512	9.5	18.8
9 28	1 2.82	+ 7 52.2	1.526	2.514	4.9	18.5
10 8	0 54.35	+ 6 51.7	1.517	2.516	0.4	18.2
10 18	0 45.96	+ 5 49.9	1.535	2.518	4.7	18.5
10 28	0 38.74	+ 4 54.2	1.579	2.520	9.2	18.8
11 7	0 33.51	+ 4 11.0	1.648	2.522	13.2	19.1

171388 2006 PL_{10} 10 7.9 117.°29 2.°0/ 9.8 18

8 29	1 20.29	+13 32.1	2.028	2.806	15.5	20.6
9 8	1 16.44	+13 28.5	1.946	2.813	12.6	20.4
9 18	1 10.44	+13 9.4	1.884	2.819	9.1	20.2
9 28	1 2.82	+12 35.8	1.846	2.825	5.4	20.0
10 8	0 54.36	+11 51.2	1.836	2.831	2.1	19.8
10 18	0 45.97	+11 0.2	1.853	2.837	4.0	20.0
10 28	0 38.61	+10 9.1	1.899	2.843	7.7	20.2
11 7	0 33.00	+ 9 24.0	1.971	2.848	11.2	20.4

17427 Poe 10 7.9 321.°96 0.°4/ 7.3 18

8 29	1 13.13	+ 8 7.9	2.490	3.291	12.3	18.2
9 8	1 10.43	+ 7 23.8	2.396	3.283	9.8	18.0
9 18	1 6.12	+ 6 27.8	2.325	3.276	6.7	17.8
9 28	1 0.57	+ 5 22.9	2.280	3.269	3.4	17.6
10 8	0 54.38	+ 4 13.5	2.263	3.262	0.5	17.3
10 18	0 48.19	+ 3 5.0	2.276	3.255	3.8	17.6
10 28	0 42.70	+ 2 2.9	2.317	3.249	7.2	17.8
11 7	0 38.47	+ 1 11.8	2.384	3.242	10.2	18.0

361979 2008 KB_{31} 10 7.9 312.°80 9.°4/27.8 18

8 29	1 19.34	−19 19.9	1.988	2.821	13.8	20.4
9 8	1 15.80	−20 40.8	1.924	2.811	11.8	20.3
9 18	1 10.05	−21 55.6	1.881	2.802	10.1	20.2
9 28	1 2.63	−22 55.5	1.863	2.792	9.4	20.1
10 8	0 54.36	−23 33.0	1.869	2.783	10.2	20.1
10 18	0 46.20	−23 43.2	1.899	2.774	11.9	20.2
10 28	0 39.12	−23 24.4	1.952	2.765	14.1	20.4
11 7	0 33.83	−22 38.6	2.024	2.756	16.2	20.5

432351 2009 VD_{69} 10 7.9 49.°27 7.°9/15.8 16

8 29	1 18.66	+28 14.9	1.381	2.124	23.0	20.5
9 8	1 16.30	+28 29.8	1.320	2.144	19.9	20.4
9 18	1 10.88	+28 11.2	1.274	2.164	16.1	20.2
9 28	1 3.16	+27 16.2	1.246	2.184	12.2	20.0
10 8	0 54.36	+25 47.2	1.240	2.205	8.9	19.9
10 18	0 45.88	+23 52.1	1.258	2.227	7.9	19.9
10 28	0 39.07	+21 43.9	1.301	2.248	10.1	20.1
11 7	0 34.82	+19 37.3	1.369	2.270	13.4	20.3

121717 Josephschepis 10 7.9 316°.96 5°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.82	+22 48.5	2.065	2.804	16.5	19.7
9 8	1 14.03	+23 11.9	1.964	2.792	14.1	19.5
9 18	1 9.01	+23 15.8	1.882	2.780	11.3	19.3
9 28	1 2.21	+22 58.2	1.821	2.769	8.3	19.1
10 8	0 54.37	+22 19.5	1.785	2.758	5.9	18.9
10 18	0 46.41	+21 22.8	1.776	2.747	5.8	18.9
10 28	0 39.36	+20 14.5	1.794	2.737	8.1	19.0
11 7	0 34.06	+19 2.4	1.837	2.727	11.2	19.2

470938 2009 HH_{63} 10 7.9 61°.63 0°.5/ 7.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.05	+ 8 3.8	1.247	2.076	20.6	21.9
9 8	1 19.50	+ 7 32.3	1.197	2.099	16.3	21.7
9 18	1 12.92	+ 6 42.4	1.165	2.122	11.2	21.5
9 28	1 4.11	+ 5 39.4	1.155	2.145	5.5	21.2
10 8	0 54.37	+ 4 31.3	1.170	2.169	0.6	20.9
10 18	0 45.09	+ 3 27.6	1.210	2.192	5.9	21.4
10 28	0 37.58	+ 2 36.8	1.275	2.216	11.0	21.7
11 7	0 32.67	+ 2 4.3	1.363	2.239	15.2	22.1

400753 2009 WR_{259} 10 7.9 340°.81 15°.0/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.50	−32 47.2	1.726	2.546	16.2	19.6
9 8	1 13.48	−35 0.2	1.686	2.531	15.3	19.5
9 18	1 8.82	−36 55.1	1.666	2.517	15.0	19.4
9 28	1 2.12	−38 20.2	1.665	2.505	15.4	19.4
10 8	0 54.40	−39 6.9	1.684	2.493	16.5	19.5
10 18	0 46.82	−39 11.3	1.720	2.482	17.9	19.6
10 28	0 40.58	−38 34.0	1.772	2.472	19.4	19.7
11 7	0 36.51	−37 19.6	1.837	2.463	20.8	19.8

70788 1999 VQ_{47} 10 7.9 40°.79 2°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.61	+12 26.4	1.569	2.365	18.6	18.2
9 8	1 19.71	+12 58.0	1.498	2.375	15.1	18.0
9 18	1 13.06	+13 13.6	1.445	2.384	11.1	17.8
9 28	1 4.27	+13 13.2	1.415	2.394	6.6	17.5
10 8	0 54.39	+12 59.1	1.410	2.405	3.0	17.4
10 18	0 44.65	+12 35.5	1.432	2.415	4.9	17.5
10 28	0 36.29	+12 8.8	1.480	2.426	9.1	17.8
11 7	0 30.23	+11 45.7	1.552	2.438	13.1	18.1

225037 2007 FR_{43} 10 7.9 27°.84 0°.1/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.90	+ 8 27.5	1.826	2.638	15.7	20.6
9 8	1 13.92	+ 8 10.4	1.755	2.647	12.5	20.4
9 18	1 8.76	+ 7 39.7	1.705	2.657	8.7	20.2
9 28	1 1.99	+ 6 58.5	1.678	2.667	4.4	19.9
10 8	0 54.42	+ 6 11.4	1.679	2.678	0.1	19.6
10 18	0 47.00	+ 5 24.4	1.706	2.689	4.4	20.0
10 28	0 40.65	+ 4 43.4	1.761	2.701	8.5	20.3
11 7	0 36.09	+ 4 13.3	1.840	2.713	12.0	20.5

118579 2000 GX_{44} 10 7.9 92°.80 0°.7/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.48	+ 7 24.5	1.671	2.481	17.0	19.8
9 8	1 18.37	+ 6 46.6	1.609	2.501	13.4	19.6
9 18	1 11.83	+ 5 54.2	1.567	2.520	9.2	19.4
9 28	1 3.52	+ 4 51.7	1.550	2.539	4.5	19.2
10 8	0 54.41	+ 3 45.5	1.559	2.558	0.8	18.9
10 18	0 45.59	+ 2 43.1	1.597	2.576	5.1	19.3
10 28	0 38.10	+ 1 51.4	1.661	2.594	9.4	19.6
11 7	0 32.67	+ 1 15.0	1.750	2.612	13.1	19.9

165182 2000 QV_{172} 10 7.9 67°.82 1°.4/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.52	+12 43.3	1.252	2.068	21.3	19.6
9 8	1 19.20	+12 18.6	1.198	2.089	17.1	19.4
9 18	1 12.81	+11 30.6	1.160	2.110	12.1	19.2
9 28	1 4.12	+10 22.6	1.145	2.130	6.6	18.9
10 8	0 54.41	+ 9 2.1	1.153	2.151	1.5	18.7
10 18	0 45.12	+ 7 39.3	1.187	2.172	5.3	19.0
10 28	0 37.58	+ 6 24.8	1.247	2.193	10.5	19.4
11 7	0 32.67	+ 5 26.9	1.329	2.214	14.9	19.7

134537 1999 RD_{83} 10 7.9 64°.37 2°.9/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.32	+ 4 38.5	1.317	2.158	19.1	19.7
9 8	1 16.52	+ 3 26.2	1.261	2.172	14.9	19.5
9 18	1 10.88	+ 1 57.3	1.224	2.187	10.1	19.3
9 28	1 3.13	+ 0 19.7	1.210	2.201	5.1	19.1
10 8	0 54.42	− 1 15.9	1.221	2.216	3.2	19.0
10 18	0 46.02	− 2 38.7	1.258	2.231	7.4	19.3
10 28	0 39.17	− 3 40.2	1.320	2.245	12.0	19.6
11 7	0 34.71	− 4 16.2	1.403	2.260	16.0	19.9

75520 1999 XN_{205} 10 7.9 185°.27 3°.7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.03	+17 59.0	2.294	3.037	14.9	19.0
9 8	1 18.51	+18 20.5	2.199	3.037	12.4	18.9
9 18	1 11.88	+18 26.9	2.124	3.037	9.5	18.7
9 28	1 3.61	+18 17.4	2.074	3.036	6.4	18.5
10 8	0 54.43	+17 53.1	2.051	3.035	3.9	18.3
10 18	0 45.21	+17 17.0	2.056	3.033	4.5	18.4
10 28	0 36.90	+16 34.1	2.091	3.031	7.3	18.5
11 7	0 30.24	+15 50.5	2.152	3.029	10.4	18.7

228914 2003 ST_{200} 10 7.9 340°.68 0°.4/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 16.32	+ 6 28.3	1.959	2.774	14.7	20.1
9 8	1 13.46	+ 6 12.8	1.871	2.766	11.7	19.9
9 18	1 8.50	+ 5 45.9	1.804	2.759	8.1	19.7
9 28	1 1.91	+ 5 10.2	1.762	2.752	4.1	19.4
10 8	0 54.44	+ 4 30.1	1.747	2.746	0.5	19.1
10 18	0 46.96	+ 3 50.9	1.759	2.740	4.5	19.4
10 28	0 40.41	+ 3 18.2	1.798	2.735	8.6	19.6
11 7	0 35.53	+ 2 56.3	1.862	2.730	12.1	19.9

181104 2005 QD_{72} 10 7.9 48°.36 0°.3/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.28	+ 9 53.0	1.268	2.096	20.4	19.8
9 8	1 17.38	+ 9 27.8	1.214	2.114	16.2	19.6
9 18	1 11.52	+ 8 42.6	1.178	2.133	11.3	19.4
9 28	1 3.47	+ 7 41.6	1.164	2.153	5.8	19.2
10 8	0 54.43	+ 6 32.4	1.174	2.173	0.3	18.8
10 18	0 45.77	+ 5 24.2	1.210	2.194	5.5	19.3
10 28	0 38.76	+ 4 26.4	1.270	2.215	10.6	19.6
11 7	0 34.26	+ 3 45.4	1.353	2.236	14.9	19.9

159044 2004 TG_{112} 10 7.9 316°.34 0°.8/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.39	+ 6 13.1	2.046	2.858	14.3	20.3
9 8	1 13.43	+ 5 46.4	1.954	2.848	11.3	20.1
9 18	1 8.45	+ 5 7.9	1.884	2.838	7.8	19.9
9 28	1 1.89	+ 4 20.7	1.839	2.829	3.9	19.6
10 8	0 54.45	+ 3 29.6	1.821	2.820	0.8	19.4
10 18	0 47.00	+ 2 40.2	1.831	2.811	4.6	19.7
10 28	0 40.42	+ 1 58.2	1.869	2.802	8.5	19.9
11 7	0 35.45	+ 1 28.4	1.931	2.794	12.1	20.1

298677 2004 CD_{122} 10 7.9 299°.71 0°.9/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.58	+ 9 47.6	1.956	2.751	15.4	20.9
9 8	1 16.81	+ 9 45.7	1.870	2.750	12.4	20.7
9 18	1 10.82	+ 9 30.7	1.805	2.749	8.8	20.5
9 28	1 3.10	+ 9 4.2	1.764	2.749	4.8	20.2
10 8	0 54.46	+ 8 29.7	1.750	2.748	1.0	20.0
10 18	0 45.84	+ 7 51.9	1.764	2.748	4.1	20.2
10 28	0 38.24	+ 7 16.5	1.807	2.747	8.2	20.5
11 7	0 32.43	+ 6 48.7	1.874	2.747	11.9	20.7

399992 2006 DG_{12} 10 7.9 347°.08 3°.7/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.04	− 1 23.8	2.102	2.934	13.2	20.5
9 8	1 12.20	− 2 29.4	2.025	2.932	10.3	20.3
9 18	1 7.48	− 3 42.5	1.971	2.930	7.1	20.1
9 28	1 1.34	− 4 57.2	1.943	2.928	4.3	20.0
10 8	0 54.47	− 6 6.7	1.942	2.927	4.1	19.9
10 18	0 47.66	− 7 4.8	1.969	2.925	6.7	20.1
10 28	0 41.73	− 7 46.3	2.023	2.924	9.9	20.3
11 7	0 37.31	− 8 8.8	2.100	2.923	12.8	20.5

261351 2005 UB_{289} 10 7.9 222°.26 2°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.85	+16 43.3	2.456	3.212	13.7	21.2
9 8	1 14.27	+16 36.7	2.357	3.207	11.3	21.0
9 18	1 8.86	+16 14.9	2.279	3.201	8.5	20.8
9 28	1 2.05	+15 38.3	2.225	3.196	5.4	20.6
10 8	0 54.47	+14 49.4	2.199	3.190	2.8	20.4
10 18	0 46.87	+13 51.9	2.202	3.184	3.7	20.5
10 28	0 40.03	+12 51.5	2.235	3.178	6.7	20.7
11 7	0 34.63	+11 53.9	2.294	3.172	9.8	20.8

287252 2002 TC_{100} 10 7.9 32°.70 6°.6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.97	+23 31.7	1.793	2.532	18.6	20.4
9 8	1 17.60	+24 15.4	1.710	2.535	16.0	20.3
9 18	1 11.64	+24 37.7	1.645	2.539	12.9	20.1
9 28	1 3.62	+24 35.7	1.600	2.544	9.6	19.9
10 8	0 54.45	+24 9.3	1.580	2.548	7.1	19.7
10 18	0 45.29	+23 21.6	1.586	2.553	6.8	19.7
10 28	0 37.32	+22 19.6	1.618	2.558	9.0	19.9
11 7	0 31.47	+21 12.4	1.674	2.563	12.1	20.1

60383 2000 AR_{184} 10 7.9 52°.12 2°.8/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.76	+22 40.1	4.344	5.045	8.9	18.4
9 8	1 7.87	+22 34.3	4.245	5.049	7.5	18.3
9 18	1 4.00	+22 17.9	4.168	5.054	5.9	18.2
9 28	0 59.42	+21 51.3	4.117	5.059	4.3	18.1
10 8	0 54.49	+21 15.5	4.093	5.063	3.0	18.0
10 18	0 49.58	+20 32.4	4.099	5.068	2.9	18.0
10 28	0 45.09	+19 44.8	4.135	5.073	4.1	18.1
11 7	0 41.35	+18 55.8	4.199	5.078	5.7	18.2

383155 2005 UE_{334} 10 7.9 304°.64 2°.9/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.31	+ 1 52.7	1.488	2.327	17.4	21.1
9 8	1 16.64	+ 1 18.5	1.401	2.311	13.8	20.8
9 18	1 11.20	+ 0 32.0	1.333	2.295	9.6	20.6
9 28	1 3.49	− 0 21.5	1.289	2.279	5.0	20.3
10 8	0 54.46	− 1 14.6	1.269	2.264	3.1	20.1
10 18	0 45.32	− 1 59.2	1.275	2.249	7.2	20.3
10 28	0 37.39	− 2 28.0	1.306	2.234	11.9	20.5
11 7	0 31.71	− 2 36.6	1.359	2.220	16.3	20.8

11364 Karlštejn 10 7.9 56°.61 2°.8/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 20.51	+ 1 50.0	1.547	2.381	17.1	18.2
9 8	1 17.02	+ 1 6.3	1.489	2.396	13.3	18.0
9 18	1 11.01	+ 0 12.2	1.451	2.412	9.1	17.8
9 28	1 3.16	− 0 46.2	1.437	2.427	4.7	17.6
10 8	0 54.47	− 1 41.3	1.449	2.444	3.1	17.6
10 18	0 46.06	− 2 26.2	1.488	2.460	6.6	17.8
10 28	0 39.02	− 2 55.1	1.553	2.476	10.7	18.1
11 7	0 34.11	− 3 5.3	1.640	2.493	14.4	18.4

341835 2008 CB_{136} 10 7.9 151°.78 0°.1/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.67	+ 8 17.7	3.521	4.302	9.4	22.0
9 8	1 10.28	+ 7 54.5	3.431	4.305	7.5	21.9
9 18	1 5.72	+ 7 23.7	3.364	4.309	5.2	21.7
9 28	1 0.33	+ 6 47.2	3.326	4.312	2.6	21.6
10 8	0 54.51	+ 6 7.5	3.316	4.315	0.1	21.3
10 18	0 48.72	+ 5 27.5	3.338	4.319	2.6	21.6
10 28	0 43.43	+ 4 50.4	3.389	4.322	5.1	21.8
11 7	0 39.06	+ 4 18.9	3.468	4.324	7.4	21.9

237267 2008 WQ_{101} 10 7.9 335°.53 0°.8/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.96	+ 7 25.6	1.456	2.288	18.0	20.1
9 8	1 13.97	+ 6 54.7	1.374	2.279	14.4	19.9
9 18	1 9.30	+ 6 6.2	1.312	2.271	10.0	19.6
9 28	1 2.49	+ 5 4.1	1.272	2.263	5.0	19.3
10 8	0 54.49	+ 3 55.3	1.257	2.256	0.9	19.0
10 18	0 46.47	+ 2 48.4	1.268	2.249	5.8	19.3
10 28	0 39.69	+ 1 52.2	1.303	2.244	10.8	19.6
11 7	0 35.10	+ 1 13.5	1.361	2.238	15.2	19.9

515667 2014 OE_{290} 10 7.9 56°.62 8°.6/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.13	−17 20.7	2.068	2.905	13.2	20.4
9 8	1 13.80	−19 2.4	2.026	2.918	11.0	20.2
9 18	1 8.50	−20 38.3	2.007	2.931	9.3	20.2
9 28	1 1.81	−21 59.7	2.013	2.945	8.6	20.2
10 8	0 54.50	−22 59.4	2.044	2.959	9.4	20.2
10 18	0 47.41	−23 33.1	2.101	2.973	11.1	20.4
10 28	0 41.35	−23 39.3	2.180	2.987	13.0	20.5
11 7	0 36.94	−23 19.6	2.278	3.001	14.9	20.7

513167 2004 EV_{23} 10 7.9 267°.58 4°.9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 34.75	+14 25.6	1.787	2.542	18.1	21.9
9 8	1 29.06	+15 40.9	1.672	2.519	15.3	21.7
9 18	1 20.12	+16 46.6	1.577	2.495	11.8	21.4
9 28	1 8.29	+17 39.0	1.505	2.471	7.9	21.1
10 8	0 54.45	+18 15.5	1.461	2.447	5.0	20.9
10 18	0 39.97	+18 35.4	1.447	2.422	6.3	20.9
10 28	0 26.47	+18 41.7	1.461	2.396	10.3	21.1
11 7	0 15.35	+18 40.8	1.500	2.370	14.5	21.3

133668 2003 UR_{186} 10 7.9 193°.60 2°.2/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.87	+ 0 34.5	2.586	3.399	11.6	20.2
9 8	1 13.24	− 0 5.6	2.502	3.399	9.1	20.1
9 18	1 8.00	− 0 52.0	2.442	3.398	6.2	19.9
9 28	1 1.56	− 1 41.0	2.408	3.396	3.3	19.7
10 8	0 54.51	− 2 28.0	2.404	3.395	2.4	19.6
10 18	0 47.51	− 3 8.6	2.428	3.394	4.9	19.8
10 28	0 41.23	− 3 39.0	2.481	3.392	7.8	20.0
11 7	0 36.23	− 3 56.5	2.559	3.391	10.5	20.2

324792 2007 HV_{12} 10 7.9 235°.91 1°.8/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.97	+ 1 24.5	2.441	3.248	12.4	21.0
9 8	1 15.82	+ 1 4.5	2.350	3.242	9.7	20.8
9 18	1 9.87	+ 0 38.2	2.282	3.236	6.7	20.6
9 28	1 2.56	+ 0 8.6	2.240	3.229	3.4	20.4
10 8	0 54.51	− 0 20.1	2.227	3.222	1.9	20.3
10 18	0 46.47	− 0 44.1	2.244	3.216	4.7	20.5
10 28	0 39.21	− 0 59.7	2.289	3.208	8.0	20.7
11 7	0 33.37	− 1 4.1	2.359	3.201	10.9	20.9

228096 2008 SA_{27} 10 7.9 124°.21 0°.1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 9.86	+ 7 29.4	4.686	5.467	7.3	20.9
9 8	1 7.02	+ 7 2.5	4.597	5.473	5.7	20.8
9 18	1 3.34	+ 6 30.0	4.532	5.478	3.9	20.6
9 28	0 59.08	+ 5 53.6	4.496	5.483	2.0	20.5
10 8	0 54.54	+ 5 15.3	4.489	5.488	0.1	20.3
10 18	0 50.01	+ 4 37.3	4.514	5.494	2.1	20.5
10 28	0 45.84	+ 4 1.8	4.568	5.499	4.0	20.7
11 7	0 42.31	+ 3 30.8	4.651	5.504	5.7	20.8

384358 2009 UL_{72} 10 7.9 330°.25 1°.9/ 6.7 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.63	+ 4 54.6	1.157	2.016	20.0	20.2
9 8	1 12.95	+ 4 31.4	1.073	1.994	16.0	19.9
9 18	1 9.14	+ 3 50.2	1.006	1.972	11.2	19.6
9 28	1 2.65	+ 2 55.4	0.959	1.952	5.7	19.2
10 8	0 54.50	+ 1 54.9	0.935	1.933	2.0	18.9
10 18	0 46.13	+ 0 59.0	0.933	1.915	7.4	19.2
10 28	0 39.15	+ 0 18.0	0.954	1.899	13.2	19.5
11 7	0 34.82	− 0 0.8	0.995	1.884	18.4	19.7

21536 1998 OV_{14} 10 7.9 252°.25 6°.2/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 24.61	+22 1.8	1.980	2.711	17.3	17.8
9 8	1 20.37	+22 57.0	1.884	2.706	14.8	17.6
9 18	1 13.57	+23 35.0	1.807	2.700	11.9	17.4
9 28	1 4.66	+23 52.5	1.751	2.695	8.9	17.2
10 8	0 54.50	+23 48.4	1.721	2.690	6.6	17.0
10 18	0 44.17	+23 24.3	1.718	2.684	6.6	17.0
10 28	0 34.88	+22 45.4	1.742	2.678	8.9	17.1
11 7	0 27.60	+21 59.2	1.792	2.672	11.9	17.3

287183 2002 RE_{272} 10 7.9 18°.82 2°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.20	+13 4.2	1.694	2.488	17.5	20.3
9 8	1 16.90	+13 16.1	1.614	2.491	14.3	20.1
9 18	1 11.10	+13 11.4	1.554	2.493	10.4	19.9
9 28	1 3.33	+12 50.5	1.516	2.496	6.2	19.7
10 8	0 54.51	+12 16.5	1.504	2.499	2.6	19.5
10 18	0 45.74	+11 34.5	1.519	2.503	4.6	19.6
10 28	0 38.16	+10 51.2	1.560	2.507	8.7	19.9
11 7	0 32.64	+10 13.6	1.626	2.511	12.7	20.1

76098 2000 DA_{99} 10 7.9 14°.57 1°.3/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.68	+ 8 17.6	1.419	2.241	19.0	18.1
9 8	1 18.46	+ 8 45.0	1.349	2.245	15.3	17.8
9 18	1 12.37	+ 8 59.0	1.298	2.250	10.8	17.6
9 28	1 4.03	+ 9 0.5	1.269	2.256	5.9	17.3
10 8	0 54.52	+ 8 52.6	1.265	2.263	1.3	17.1
10 18	0 45.13	+ 8 40.1	1.286	2.271	5.0	17.4
10 28	0 37.19	+ 8 28.9	1.333	2.280	9.9	17.7
11 7	0 31.66	+ 8 24.5	1.403	2.290	14.2	17.9

175509 2006 SK_{14} 10 7.9 62°.03 3°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.89	+15 23.1	1.339	2.140	20.9	20.4
9 8	1 18.74	+15 24.6	1.276	2.155	17.1	20.2
9 18	1 12.57	+15 2.6	1.230	2.170	12.5	20.0
9 28	1 4.10	+14 18.0	1.206	2.185	7.6	19.7
10 8	0 54.52	+13 15.5	1.205	2.200	3.4	19.5
10 18	0 45.20	+12 3.3	1.231	2.216	5.2	19.7
10 28	0 37.51	+10 51.6	1.281	2.231	9.9	20.0
11 7	0 32.36	+ 9 49.9	1.355	2.247	14.2	20.3

453498 2009 TJ_{22} 10 7.9 339°.44 6°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.85	+28 31.0	2.020	2.731	17.6	20.3
9 8	1 11.80	+28 35.8	1.922	2.723	15.3	20.1
9 18	1 7.54	+28 15.3	1.841	2.716	12.7	19.9
9 28	1 1.53	+27 27.1	1.780	2.709	9.8	19.8
10 8	0 54.54	+26 12.0	1.743	2.702	7.4	19.6
10 18	0 47.53	+24 34.0	1.732	2.696	6.7	19.5
10 28	0 41.51	+22 41.4	1.749	2.691	8.3	19.6
11 7	0 37.27	+20 44.4	1.791	2.686	11.1	19.8

359600 2010 VU_{194} 10 7.9 74°.31 2°.4/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.59	+13 41.0	2.151	2.921	15.0	20.5
9 8	1 17.33	+13 55.8	2.073	2.934	12.2	20.4
9 18	1 11.01	+13 56.9	2.016	2.947	8.9	20.2
9 28	1 3.17	+13 44.9	1.984	2.960	5.4	20.0
10 8	0 54.55	+13 21.8	1.980	2.973	2.5	19.8
10 18	0 46.04	+12 51.5	2.003	2.986	3.9	19.9
10 28	0 38.53	+12 18.9	2.056	2.999	7.2	20.2
11 7	0 32.70	+11 49.2	2.134	3.012	10.4	20.4

25295 1998 WK_{17} 10 7.9 200°.26 5°.7/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.27	+30 23.4	2.848	3.509	13.9	18.6
9 8	1 13.73	+30 26.1	2.744	3.507	12.2	18.4
9 18	1 8.45	+30 9.7	2.658	3.504	10.2	18.3
9 28	1 1.85	+29 32.4	2.594	3.501	8.1	18.2
10 8	0 54.56	+28 34.8	2.555	3.498	6.3	18.0
10 18	0 47.27	+27 19.4	2.544	3.495	5.8	18.0
10 28	0 40.74	+25 51.5	2.563	3.491	6.8	18.1
11 7	0 35.57	+24 17.7	2.609	3.487	8.7	18.2

287958 2003 UT_{109} 10 7.9 356°.59 6°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.71	+24 53.2	1.662	2.411	19.5	20.1
9 8	1 13.66	+24 58.3	1.576	2.409	16.7	19.9
9 18	1 9.03	+24 36.1	1.507	2.408	13.4	19.7
9 28	1 2.35	+23 44.5	1.457	2.407	9.8	19.5
10 8	0 54.56	+22 25.2	1.432	2.406	6.8	19.3
10 18	0 46.78	+20 44.3	1.431	2.406	6.4	19.3
10 28	0 40.22	+18 51.8	1.458	2.407	9.0	19.4
11 7	0 35.77	+16 59.8	1.509	2.408	12.6	19.6

263138 2007 VF_{153} 10 7.9 307°.31 3°.3/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.04	+15 58.5	1.308	2.118	20.9	20.7
9 8	1 15.41	+15 56.1	1.220	2.104	17.3	20.5
9 18	1 10.71	+15 27.8	1.149	2.090	13.0	20.2
9 28	1 3.42	+14 32.9	1.098	2.077	8.0	19.9
10 8	0 54.56	+13 15.2	1.070	2.064	3.6	19.6
10 18	0 45.54	+11 43.0	1.066	2.052	5.6	19.7
10 28	0 37.88	+10 8.8	1.087	2.040	10.8	19.9
11 7	0 32.80	+ 8 44.7	1.130	2.028	15.9	20.2

464191 2015 BF_{10} 10 7.9 64°.90 2°.1/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 25.34	+ 3 23.1	1.283	2.118	19.8	20.5
9 8	1 21.29	+ 2 59.1	1.231	2.138	15.6	20.3
9 18	1 14.21	+ 2 22.6	1.197	2.157	10.6	20.0
9 28	1 4.87	+ 1 39.0	1.186	2.177	5.3	19.8
10 8	0 54.57	+ 0 56.0	1.199	2.197	2.2	19.7
10 18	0 44.69	+ 0 21.0	1.239	2.216	6.7	20.0
10 28	0 36.57	+ 0 0.3	1.303	2.236	11.5	20.3
11 7	0 31.07	− 0 2.9	1.389	2.256	15.6	20.6

511366 2014 FQ_{41} 10 7.9 212°.61 5°.5/ 2.1 18

8 29	1 22.80	− 9 42.8	2.349	3.169	12.4	21.7
9 8	1 18.12	−10 37.6	2.268	3.162	10.0	21.5
9 18	1 11.51	−11 33.1	2.210	3.154	7.5	21.4
9 28	1 3.43	−12 23.3	2.178	3.146	5.7	21.2
10 8	0 54.58	−13 2.3	2.175	3.137	5.9	21.2
10 18	0 45.77	−13 25.4	2.200	3.128	7.9	21.3
10 28	0 37.85	−13 29.6	2.251	3.117	10.5	21.5
11 7	0 31.48	−13 14.5	2.326	3.107	13.0	21.7

300791 2007 VF_{321} 10 7.9 48°.90 5°.9/ 3.1 18

8 29	1 21.59	− 7 27.1	1.704	2.543	15.5	20.1
9 8	1 17.71	− 8 18.3	1.644	2.551	12.3	19.9
9 18	1 11.45	− 9 11.2	1.605	2.559	8.9	19.8
9 28	1 3.42	− 9 58.4	1.591	2.568	6.3	19.6
10 8	0 54.58	−10 32.6	1.603	2.577	6.3	19.7
10 18	0 45.98	−10 48.6	1.641	2.586	8.8	19.8
10 28	0 38.64	−10 43.3	1.704	2.595	12.0	20.1
11 7	0 33.32	−10 16.9	1.789	2.604	15.0	20.3

407069 2009 SV_{183} 10 7.9 326°.47 2°.3/ 9.8 17

8 29	1 19.61	+12 9.3	1.982	2.769	15.5	21.0
9 8	1 16.22	+12 32.7	1.884	2.756	12.7	20.8
9 18	1 10.58	+12 43.2	1.807	2.744	9.3	20.6
9 28	1 3.11	+12 41.0	1.753	2.732	5.6	20.4
10 8	0 54.58	+12 27.8	1.726	2.721	2.4	20.1
10 18	0 45.94	+12 6.8	1.727	2.710	4.2	20.2
10 28	0 38.20	+11 43.1	1.755	2.700	8.1	20.4
11 7	0 32.23	+11 22.1	1.808	2.690	11.7	20.7

404285 2013 EZ_{101} 10 7.9 118°.61 2°.5/ 4.9 18

8 29	1 18.24	+ 0 19.9	2.482	3.295	12.0	21.6
9 8	1 14.28	− 0 30.4	2.412	3.308	9.4	21.4
9 18	1 8.69	− 1 26.9	2.366	3.321	6.4	21.3
9 28	1 1.92	− 2 25.3	2.346	3.334	3.5	21.1
10 8	0 54.60	− 3 20.6	2.356	3.346	2.7	21.1
10 18	0 47.40	− 4 8.0	2.395	3.358	5.2	21.3
10 28	0 41.03	− 4 43.6	2.463	3.370	8.1	21.5
11 7	0 36.01	− 5 4.9	2.555	3.381	10.7	21.7

60214 1999 VO_{81} 10 7.9 51°.26 1°.1/ 9.2 18

8 29	1 16.01	+14 28.3	1.850	2.640	16.4	18.7
9 8	1 13.14	+13 35.3	1.786	2.662	13.1	18.6
9 18	1 8.18	+12 22.7	1.742	2.684	9.3	18.4
9 28	1 1.72	+10 54.2	1.723	2.706	5.1	18.2
10 8	0 54.60	+ 9 16.1	1.731	2.729	1.2	17.9
10 18	0 47.70	+ 7 36.8	1.767	2.752	4.0	18.2
10 28	0 41.92	+ 6 4.5	1.832	2.774	8.0	18.5
11 7	0 37.88	+ 4 46.2	1.922	2.797	11.5	18.8

403976 2012 BJ_{93} 10 7.9 225°.75 0°.6/ 7.3 18

8 29	1 18.88	+ 5 49.8	2.408	3.206	12.8	22.2
9 8	1 15.04	+ 5 28.4	2.315	3.201	10.1	22.0
9 18	1 9.39	+ 4 57.4	2.245	3.196	7.0	21.8
9 28	1 2.36	+ 4 19.6	2.201	3.190	3.5	21.6
10 8	0 54.60	+ 3 38.7	2.185	3.184	0.7	21.3
10 18	0 46.83	+ 2 59.3	2.199	3.178	4.0	21.6
10 28	0 39.84	+ 2 25.8	2.241	3.171	7.5	21.8
11 7	0 34.27	+ 2 2.0	2.310	3.165	10.6	22.0

157050 2003 SB_{123} 10 7.9 9°.09 0°.8/ 7.3 18

8 29	1 18.38	+ 4 43.4	1.789	2.610	15.6	19.5
9 8	1 15.22	+ 4 38.7	1.714	2.612	12.4	19.3
9 18	1 9.79	+ 4 24.1	1.659	2.615	8.5	19.1
9 28	1 2.64	+ 4 2.4	1.629	2.619	4.3	18.8
10 8	0 54.60	+ 3 38.1	1.624	2.623	0.8	18.6
10 18	0 46.65	+ 3 15.9	1.648	2.628	4.8	18.9
10 28	0 39.79	+ 3 0.9	1.697	2.634	9.0	19.2
11 7	0 34.79	+ 2 56.7	1.771	2.641	12.6	19.4

378587 2008 ER_{20} 10 7.9 224°.95 1°.3/ 9.0 17

8 29	1 22.86	+11 34.6	1.794	2.585	16.8	22.1
9 8	1 19.00	+11 24.2	1.700	2.577	13.6	21.9
9 18	1 12.61	+10 57.2	1.626	2.568	9.8	21.6
9 28	1 4.18	+10 14.8	1.575	2.559	5.4	21.4
10 8	0 54.59	+ 9 21.0	1.552	2.550	1.4	21.1
10 18	0 44.92	+ 8 21.7	1.556	2.540	4.5	21.3
10 28	0 36.34	+ 7 24.5	1.588	2.529	9.1	21.5
11 7	0 29.78	+ 6 36.4	1.644	2.518	13.2	21.8

336764 2011 AX_{56} 10 7.9 140°.23 1°.0/ 7.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 22.43	+ 6 20.6	1.838	2.644	15.8	22.1
9 8	1 18.28	+ 5 44.6	1.763	2.653	12.5	21.9
9 18	1 11.83	+ 4 55.6	1.709	2.662	8.6	21.7
9 28	1 3.64	+ 3 57.5	1.680	2.670	4.3	21.4
10 8	0 54.60	+ 2 56.2	1.679	2.677	1.1	21.2
10 18	0 45.69	+ 1 58.3	1.706	2.684	5.1	21.5
10 28	0 37.95	+ 1 10.4	1.761	2.691	9.2	21.8
11 7	0 32.12	+ 0 37.0	1.840	2.697	12.8	22.0

6920 Esaki 10 7.9 236°.46 4°.1/ 4.5 18

8 29	1 22.54	− 1 52.6	1.690	2.521	16.0	17.2
9 8	1 18.72	− 2 39.4	1.610	2.515	12.6	17.0
9 18	1 12.37	− 3 34.1	1.550	2.508	8.8	16.7
9 28	1 4.02	− 4 30.4	1.516	2.502	5.2	16.5
10 8	0 54.60	− 5 20.8	1.507	2.495	4.5	16.5
10 18	0 45.21	− 5 58.3	1.526	2.488	7.7	16.6
10 28	0 37.01	− 6 17.5	1.571	2.480	11.6	16.9
11 7	0 30.88	− 6 16.0	1.638	2.473	15.2	17.1

243667 1999 VR_{84} 10 7.9 196°.66 2°.8/11.1 18

8 29	1 18.83	+18 8.4	2.162	2.917	15.3	20.8
9 8	1 15.33	+17 47.7	2.067	2.915	12.7	20.7
9 18	1 9.77	+17 7.9	1.991	2.913	9.5	20.4
9 28	1 2.62	+16 9.6	1.941	2.911	6.1	20.2
10 8	0 54.61	+14 55.9	1.917	2.908	3.1	20.0
10 18	0 46.62	+13 32.4	1.922	2.904	4.0	20.1
10 28	0 39.55	+12 6.5	1.956	2.901	7.4	20.3
11 7	0 34.12	+10 45.8	2.016	2.897	10.8	20.5

308882 2006 SL_{96} 10 7.9 316°.42 1°.6/ 6.8 18

8 29	1 23.56	+ 1 38.8	1.795	2.614	15.7	20.3
9 8	1 19.48	+ 1 43.9	1.705	2.602	12.5	20.1
9 18	1 12.89	+ 1 42.2	1.636	2.592	8.7	19.8
9 28	1 4.31	+ 1 36.7	1.591	2.581	4.4	19.6
10 8	0 54.61	+ 1 31.4	1.573	2.571	1.7	19.3
10 18	0 44.84	+ 1 30.3	1.583	2.561	5.5	19.6
10 28	0 36.16	+ 1 37.6	1.620	2.551	9.8	19.8
11 7	0 29.47	+ 1 55.9	1.681	2.542	13.6	20.0

274911 2009 ST_{136} 10 7.9 298°.86 0°.2/ 7.8 17

8 29	1 19.47	+ 6 25.4	2.214	3.014	13.7	21.2
9 8	1 15.90	+ 6 20.7	2.103	2.988	11.0	21.0
9 18	1 10.27	+ 6 6.1	2.013	2.962	7.7	20.7
9 28	1 2.95	+ 5 43.5	1.948	2.936	4.0	20.5
10 8	0 54.61	+ 5 16.2	1.911	2.910	0.2	20.1
10 18	0 46.08	+ 4 48.3	1.903	2.884	4.2	20.4
10 28	0 38.29	+ 4 24.6	1.923	2.858	8.2	20.6
11 7	0 32.03	+ 4 9.3	1.968	2.832	11.8	20.7

325577 2009 SY_{135} 10 7.9 327°.71 0°.3/ 7.7 18

8 29	1 22.97	+ 4 25.2	2.079	2.882	14.4	19.9
9 8	1 18.62	+ 4 40.6	1.987	2.874	11.5	19.7
9 18	1 12.08	+ 4 48.6	1.916	2.867	8.0	19.5
9 28	1 3.82	+ 4 51.2	1.871	2.860	4.1	19.2
10 8	0 54.61	+ 4 51.0	1.854	2.853	0.4	18.9
10 18	0 45.37	+ 4 51.2	1.865	2.846	4.3	19.2
10 28	0 37.06	+ 4 55.4	1.905	2.840	8.3	19.4
11 7	0 30.48	+ 5 6.4	1.970	2.834	11.8	19.7

402518 2006 DV_{157} 10 7.9 306°.57 3°.3/ 4.0 18

8 29	1 14.84	− 0 12.2	2.232	3.059	12.7	20.7
9 8	1 11.99	− 1 19.7	2.149	3.053	9.9	20.5
9 18	1 7.35	− 2 35.6	2.089	3.048	6.8	20.3
9 28	1 1.34	− 3 54.3	2.055	3.042	4.0	20.1
10 8	0 54.62	− 5 9.5	2.050	3.037	3.6	20.1
10 18	0 47.93	− 6 14.8	2.073	3.031	6.2	20.3
10 28	0 42.03	− 7 5.0	2.123	3.026	9.4	20.5
11 7	0 37.56	− 7 36.9	2.197	3.021	12.3	20.6

66377 1999 JJ_{122} 10 7.9 102°.67 2°.9/10.5 18

8 29	1 22.99	+16 16.1	1.526	2.310	19.5	19.4
9 8	1 19.29	+16 5.7	1.456	2.324	16.0	19.2
9 18	1 12.82	+15 32.6	1.405	2.338	11.8	19.0
9 28	1 4.24	+14 37.7	1.375	2.352	7.1	18.8
10 8	0 54.61	+13 25.7	1.371	2.365	3.2	18.6
10 18	0 45.21	+12 4.4	1.394	2.378	4.9	18.7
10 28	0 37.27	+10 43.6	1.443	2.391	9.3	19.0
11 7	0 31.66	+ 9 32.5	1.517	2.403	13.4	19.3

263078 2007 RU_{150} 10 7.9 323°.07 3°.5/ 1.4 18

8 29	1 11.22	−10 3.5	3.969	4.791	7.7	19.4
9 8	1 8.29	−10 45.9	3.888	4.783	6.1	19.3
9 18	1 4.35	−11 28.0	3.831	4.776	4.6	19.2
9 28	0 59.68	−12 6.9	3.803	4.768	3.6	19.1
10 8	0 54.64	−12 39.3	3.803	4.761	3.8	19.1
10 18	0 49.61	−13 2.8	3.832	4.754	5.1	19.2
10 28	0 45.01	−13 15.5	3.889	4.747	6.7	19.3
11 7	0 41.19	−13 16.5	3.970	4.740	8.2	19.4

236518 2006 GL_{50} 10 7.9 118°.10 6°.6/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 24.41	−10 59.6	1.930	2.758	14.4	19.6
9 8	1 19.64	−11 53.0	1.870	2.767	11.6	19.5
9 18	1 12.63	−12 45.1	1.832	2.776	8.7	19.3
9 28	1 3.99	−13 28.6	1.819	2.785	6.8	19.2
10 8	0 54.62	−13 57.1	1.833	2.793	7.0	19.3
10 18	0 45.49	−14 5.9	1.873	2.801	9.1	19.4
10 28	0 37.55	−13 53.2	1.940	2.809	11.8	19.6
11 7	0 31.52	−13 19.6	2.029	2.817	14.4	19.8

145507 2006 DW_{40} 10 7.9 176°.53 1°.0/ 6.7 18

8 29	1 16.96	+ 4 43.4	2.866	3.662	11.0	20.7
9 8	1 13.16	+ 4 10.6	2.778	3.664	8.6	20.5
9 18	1 7.89	+ 3 29.9	2.714	3.665	5.9	20.4
9 28	1 1.54	+ 2 44.3	2.676	3.666	2.9	20.2
10 8	0 54.63	+ 1 57.4	2.669	3.666	1.1	20.0
10 18	0 47.76	+ 1 13.1	2.691	3.666	3.7	20.2
10 28	0 41.55	+ 0 35.3	2.743	3.666	6.6	20.4
11 7	0 36.49	+ 0 7.0	2.821	3.666	9.2	20.6

316110 2009 PF_{9} 10 7.9 60°.48 0°.1/ 7.8 18

8 29	1 18.99	+ 7 44.4	2.050	2.852	14.6	20.7
9 8	1 15.27	+ 7 25.0	1.981	2.868	11.5	20.5
9 18	1 9.58	+ 6 54.0	1.934	2.884	8.0	20.3
9 28	1 2.44	+ 6 14.2	1.913	2.901	4.0	20.1
10 8	0 54.63	+ 5 30.2	1.918	2.917	0.1	19.8
10 18	0 46.99	+ 4 46.9	1.952	2.934	4.1	20.2
10 28	0 40.36	+ 4 9.7	2.015	2.951	7.8	20.4
11 7	0 35.38	+ 3 42.5	2.102	2.968	11.1	20.7

113840 2002 TH_{236} 10 7.9 319°.89 6°.9/15.7 18

8 29	1 16.45	+28 15.8	1.888	2.603	18.5	19.0
9 8	1 14.05	+28 25.8	1.793	2.597	16.2	18.8
9 18	1 9.23	+28 9.6	1.714	2.591	13.3	18.6
9 28	1 2.47	+27 24.2	1.655	2.586	10.3	18.4
10 8	0 54.63	+26 10.1	1.620	2.581	7.7	18.3
10 18	0 46.75	+24 31.7	1.611	2.575	7.0	18.2
10 28	0 39.96	+22 37.6	1.628	2.571	8.8	18.3
11 7	0 35.15	+20 39.1	1.672	2.566	11.8	18.5

315374 2007 VN_{39} 10 7.9 136°.10 2°.7/ 5.9 17

8 29	1 26.38	+ 1 28.3	1.579	2.401	17.3	21.5
9 8	1 21.76	+ 0 57.0	1.510	2.410	13.6	21.3
9 18	1 14.42	+ 0 15.9	1.462	2.419	9.4	21.1
9 28	1 5.03	− 0 29.7	1.438	2.427	4.9	20.8
10 8	0 54.62	− 1 13.0	1.440	2.435	2.9	20.7
10 18	0 44.43	− 1 47.4	1.470	2.442	6.6	21.0
10 28	0 35.66	− 2 7.3	1.526	2.448	10.9	21.2
11 7	0 29.18	− 2 9.9	1.605	2.455	14.8	21.5

365741 2010 WN_{15} 10 7.9 324°.90 5°.8/ 2.5 18

8 29	1 20.56	− 9 38.9	2.088	2.919	13.4	20.0
9 8	1 16.58	−10 24.2	2.015	2.915	10.7	19.8
9 18	1 10.55	−11 9.5	1.964	2.912	8.0	19.6
9 28	1 2.98	−11 48.7	1.938	2.909	6.0	19.5
10 8	0 54.63	−12 15.7	1.939	2.905	6.1	19.5
10 18	0 46.39	−12 26.1	1.967	2.902	8.3	19.7
10 28	0 39.13	−12 17.1	2.022	2.900	11.0	19.8
11 7	0 33.54	−11 48.8	2.099	2.897	13.7	20.0

117693 2005 EF_{279} 10 7.9 136°.74 2°.2/ 6.0 18

8 29	1 20.65	+ 5 8.9	1.575	2.400	17.3	20.2
9 8	1 17.30	+ 4 8.4	1.503	2.405	13.6	20.0
9 18	1 11.38	+ 2 52.5	1.452	2.410	9.3	19.7
9 28	1 3.50	+ 1 27.1	1.425	2.415	4.6	19.5
10 8	0 54.63	+ 0 0.6	1.424	2.420	2.4	19.4
10 18	0 45.91	− 1 17.8	1.451	2.425	6.4	19.6
10 28	0 38.48	− 2 19.9	1.503	2.429	10.9	19.9
11 7	0 33.18	− 3 1.0	1.579	2.433	14.8	20.1

301697 2010 GQ_{7} 10 7.9 112°.82 0°.4/ 7.5 18

8 29	1 18.41	+ 9 8.8	2.024	2.824	14.8	21.6
9 8	1 14.89	+ 8 15.7	1.950	2.835	11.7	21.4
9 18	1 9.37	+ 7 7.6	1.896	2.847	8.1	21.2
9 28	1 2.36	+ 5 48.7	1.869	2.858	4.0	21.0
10 8	0 54.64	+ 4 25.1	1.870	2.869	0.5	20.7
10 18	0 47.06	+ 3 3.7	1.899	2.879	4.4	21.1
10 28	0 40.49	+ 1 51.5	1.957	2.889	8.3	21.3
11 7	0 35.58	+ 0 53.9	2.041	2.899	11.7	21.6

296916 2010 CW_{92} 10 7.9 254°.16 0°.4/ 7.7 18

8 29	1 21.22	+ 7 0.5	1.835	2.642	15.8	21.6
9 8	1 17.58	+ 6 44.2	1.744	2.634	12.7	21.4
9 18	1 11.55	+ 6 15.1	1.674	2.625	8.8	21.1
9 28	1 3.63	+ 5 35.7	1.628	2.617	4.5	20.8
10 8	0 54.64	+ 4 50.7	1.609	2.608	0.4	20.5
10 18	0 45.60	+ 4 6.0	1.618	2.599	4.8	20.8
10 28	0 37.61	+ 3 27.9	1.654	2.590	9.2	21.1
11 7	0 31.52	+ 3 1.5	1.714	2.580	13.1	21.3

84537 2002 UJ_{20} 10 7.9 337°.09 0°.7/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 14.31	+ 9 56.9	1.180	2.024	20.7	19.3
9 8	1 13.41	+ 9 47.5	1.101	2.010	16.8	19.0
9 18	1 9.40	+ 9 16.3	1.038	1.997	12.0	18.7
9 28	1 2.78	+ 8 25.4	0.996	1.985	6.4	18.4
10 8	0 54.64	+ 7 21.0	0.976	1.975	0.8	18.0
10 18	0 46.38	+ 6 12.5	0.979	1.965	5.9	18.3
10 28	0 39.57	+ 5 11.2	1.006	1.957	11.7	18.6
11 7	0 35.38	+ 4 26.2	1.053	1.950	16.9	18.9

490522 2009 UO_{137} 10 7.9 328°.68 5°.4/ 3.0 18

8 29	1 19.69	− 8 10.5	2.022	2.855	13.6	20.5
9 8	1 16.02	− 8 50.1	1.943	2.847	10.9	20.3
9 18	1 10.24	− 9 30.9	1.887	2.839	8.0	20.1
9 28	1 2.86	−10 6.8	1.855	2.831	5.7	20.0
10 8	0 54.64	−10 31.9	1.851	2.823	5.7	19.9
10 18	0 46.48	−10 41.4	1.873	2.816	8.0	20.1
10 28	0 39.29	−10 32.3	1.921	2.809	11.0	20.2
11 7	0 33.80	−10 4.3	1.992	2.803	13.8	20.4

278101 2007 BO_{48} 10 7.9 328°.33 1°.6/ 6.9 18

8 29	1 18.34	+ 3 49.5	1.221	2.072	19.7	20.3
9 8	1 16.56	+ 3 43.9	1.138	2.054	15.8	20.0
9 18	1 11.60	+ 3 24.7	1.073	2.037	11.1	19.7
9 28	1 3.94	+ 2 55.7	1.029	2.021	5.6	19.3
10 8	0 54.64	+ 2 23.4	1.007	2.006	1.7	19.0
10 18	0 45.17	+ 1 55.4	1.010	1.992	6.9	19.3
10 28	0 37.11	+ 1 39.7	1.036	1.979	12.6	19.6
11 7	0 31.73	+ 1 41.6	1.082	1.967	17.6	19.9

43048 1999 VR_{59} 10 7.9 3°.28 0°.5/ 8.3 18

8 29	1 18.10	+ 9 24.2	1.544	2.362	17.8	18.9
9 8	1 15.47	+ 9 10.0	1.467	2.362	14.3	18.7
9 18	1 10.25	+ 8 39.0	1.409	2.362	10.1	18.5
9 28	1 2.99	+ 7 53.9	1.374	2.362	5.3	18.2
10 8	0 54.66	+ 6 59.9	1.364	2.363	0.5	17.8
10 18	0 46.38	+ 6 4.3	1.381	2.365	4.9	18.2
10 28	0 39.35	+ 5 14.8	1.423	2.367	9.7	18.5
11 7	0 34.44	+ 4 37.9	1.488	2.369	13.9	18.7

483952 2006 BD_{151} 10 7.9 166°.51 1°.8/ 9.8 17

8 29	1 19.37	+12 47.0	2.414	3.185	13.5	21.8
9 8	1 15.46	+12 51.0	2.323	3.186	11.0	21.6
9 18	1 9.71	+12 42.7	2.253	3.186	8.0	21.4
9 28	1 2.56	+12 22.9	2.208	3.187	4.7	21.2
10 8	0 54.67	+11 53.9	2.192	3.187	1.9	21.1
10 18	0 46.78	+11 19.4	2.204	3.187	3.5	21.2
10 28	0 39.69	+10 43.8	2.246	3.188	6.8	21.4
11 7	0 34.06	+10 11.8	2.314	3.188	9.8	21.6

449942 2015 OE_{45} 10 7.9 12°.63 3°.5/ 5.1 18

8 29	1 21.20	− 1 17.9	1.770	2.600	15.4	20.8
9 8	1 17.46	− 1 51.5	1.696	2.600	12.1	20.6
9 18	1 11.37	− 2 31.9	1.643	2.601	8.4	20.3
9 28	1 3.47	− 3 13.7	1.614	2.602	4.7	20.1
10 8	0 54.66	− 3 50.7	1.612	2.602	3.7	20.1
10 18	0 45.96	− 4 17.0	1.637	2.603	6.8	20.3
10 28	0 38.40	− 4 28.1	1.689	2.604	10.6	20.5
11 7	0 32.78	− 4 21.9	1.764	2.606	14.0	20.7

358837 2008 FA_{26} 10 7.9 101°.39 1°.6/ 6.4 18

8 29	1 23.55	+ 1 19.2	2.358	3.160	12.9	20.5
9 8	1 18.53	+ 1 9.6	2.287	3.175	10.1	20.4
9 18	1 11.67	+ 0 54.3	2.238	3.190	6.9	20.2
9 28	1 3.48	+ 0 36.4	2.217	3.205	3.5	20.0
10 8	0 54.67	+ 0 19.4	2.224	3.220	1.7	19.9
10 18	0 46.03	+ 0 6.9	2.261	3.234	4.5	20.1
10 28	0 38.34	+ 0 2.0	2.327	3.248	7.8	20.3
11 7	0 32.20	+ 0 6.8	2.419	3.262	10.6	20.6

201512 2003 OF_{9} 10 7.9 76°.86 7°.8/16.3 18

8 29	1 20.41	+29 16.5	1.801	2.507	19.6	20.7
9 8	1 17.22	+29 43.5	1.723	2.518	17.1	20.5
9 18	1 11.41	+29 44.0	1.660	2.528	14.2	20.3
9 28	1 3.57	+29 14.6	1.617	2.539	11.1	20.2
10 8	0 54.67	+28 15.6	1.597	2.550	8.6	20.0
10 18	0 45.88	+26 51.1	1.603	2.560	7.8	20.0
10 28	0 38.38	+25 9.9	1.635	2.571	9.3	20.1
11 7	0 33.05	+23 23.0	1.692	2.582	12.0	20.3

237559 2000 YS_{6} 10 7.9 266°.70 0°.4/ 8.3 18

8 29	1 20.89	+ 8 52.2	1.901	2.701	15.6	20.6
9 8	1 17.34	+ 8 40.6	1.801	2.685	12.6	20.4
9 18	1 11.44	+ 8 15.2	1.722	2.670	8.9	20.1
9 28	1 3.62	+ 7 37.8	1.667	2.654	4.7	19.8
10 8	0 54.68	+ 6 52.4	1.639	2.638	0.4	19.5
10 18	0 45.60	+ 6 4.5	1.639	2.622	4.5	19.8
10 28	0 37.48	+ 5 20.6	1.666	2.605	8.9	20.0
11 7	0 31.19	+ 4 46.5	1.719	2.589	12.9	20.2

378626 2008 FY_{89} 10 7.9 90°.69 1°.9/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 23.91	+ 4 38.3	1.560	2.381	17.6	21.3
9 8	1 19.68	+ 3 54.1	1.503	2.401	13.8	21.1
9 18	1 12.87	+ 2 57.0	1.465	2.422	9.4	20.9
9 28	1 4.19	+ 1 52.5	1.452	2.442	4.7	20.7
10 8	0 54.69	+ 0 48.1	1.465	2.462	2.1	20.5
10 18	0 45.52	− 0 8.6	1.506	2.481	6.0	20.8
10 28	0 37.79	− 0 51.0	1.573	2.500	10.3	21.1
11 7	0 32.27	− 1 15.5	1.663	2.519	14.0	21.4

422102 2014 QU_{406} 10 7.9 52°.88 6°.0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 27.02	+22 14.3	2.217	2.931	16.1	20.9
9 8	1 21.86	+23 24.6	2.134	2.943	13.8	20.8
9 18	1 14.37	+24 19.4	2.071	2.955	11.1	20.6
9 28	1 5.04	+24 55.7	2.031	2.967	8.4	20.5
10 8	0 54.69	+25 12.2	2.018	2.979	6.4	20.4
10 18	0 44.32	+25 10.1	2.033	2.991	6.3	20.4
10 28	0 34.98	+24 53.2	2.075	3.004	8.1	20.5
11 7	0 27.51	+24 27.8	2.144	3.016	10.6	20.7

18895 2000 GJ_{108} 10 7.9 295°.20 0°.7/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.84	+ 8 54.6	2.306	3.108	13.2	17.1
9 8	1 11.29	+ 7 50.2	2.203	3.091	10.5	16.9
9 18	1 6.95	+ 6 30.2	2.122	3.074	7.2	16.7
9 28	1 1.22	+ 4 58.3	2.067	3.056	3.6	16.4
10 8	0 54.71	+ 3 20.2	2.041	3.039	0.8	16.2
10 18	0 48.14	+ 1 43.0	2.045	3.023	4.4	16.4
10 28	0 42.29	+ 0 13.9	2.077	3.006	8.1	16.6
11 7	0 37.82	− 1 1.1	2.135	2.989	11.4	16.8

263028 2007 EH_{221} 10 7.9 219°.82 0°.7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.15	+11 12.8	2.597	3.376	12.5	21.5
9 8	1 13.60	+10 48.7	2.500	3.370	10.0	21.3
9 18	1 8.38	+10 12.2	2.424	3.364	7.1	21.1
9 28	1 1.89	+ 9 25.3	2.374	3.358	3.9	20.9
10 8	0 54.71	+ 8 31.2	2.353	3.351	0.8	20.6
10 18	0 47.52	+ 7 34.4	2.362	3.345	3.3	20.8
10 28	0 41.04	+ 6 39.8	2.399	3.338	6.6	21.0
11 7	0 35.85	+ 5 52.2	2.464	3.330	9.6	21.2

227356 2005 UD_{125} 10 7.9 185°.11 0°.3/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.91	+ 7 24.6	2.005	2.801	15.1	21.7
9 8	1 18.61	+ 7 3.9	1.918	2.801	12.0	21.5
9 18	1 12.09	+ 6 30.8	1.853	2.801	8.3	21.3
9 28	1 3.85	+ 5 48.1	1.812	2.800	4.2	21.0
10 8	0 54.71	+ 5 0.3	1.800	2.799	0.3	20.7
10 18	0 45.59	+ 4 12.8	1.817	2.797	4.5	21.0
10 28	0 37.50	+ 3 31.6	1.861	2.795	8.6	21.3
11 7	0 31.20	+ 3 1.4	1.932	2.792	12.2	21.5

438932 2010 FZ_{2} 10 7.9 67°.96 3°.4/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 21.01	+ 0 5.1	1.664	2.496	16.2	20.9
9 8	1 17.27	− 0 44.6	1.606	2.512	12.6	20.7
9 18	1 11.16	− 1 42.6	1.569	2.529	8.6	20.5
9 28	1 3.32	− 2 42.7	1.557	2.545	4.8	20.3
10 8	0 54.71	− 3 37.5	1.571	2.562	3.7	20.3
10 18	0 46.37	− 4 20.5	1.612	2.578	6.8	20.5
10 28	0 39.31	− 4 46.6	1.679	2.595	10.6	20.8
11 7	0 34.25	− 4 53.7	1.770	2.612	14.0	21.0

265991 2006 DM_{88} 10 7.9 292°.08 0°.2/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 16.93	+ 7 41.9	2.247	3.048	13.5	21.7
9 8	1 13.76	+ 7 19.4	2.147	3.033	10.8	21.4
9 18	1 8.69	+ 6 45.2	2.069	3.019	7.5	21.2
9 28	1 2.12	+ 6 1.7	2.017	3.005	3.8	21.0
10 8	0 54.71	+ 5 12.9	1.992	2.991	0.2	20.6
10 18	0 47.24	+ 4 23.8	1.996	2.977	4.1	20.9
10 28	0 40.53	+ 3 39.8	2.028	2.963	7.8	21.2
11 7	0 35.30	+ 3 5.5	2.086	2.950	11.2	21.3

381032 2006 VP_{15} 10 7.9 275°.66 2°.6/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.38	+14 30.9	1.623	2.414	18.2	21.7
9 8	1 17.53	+14 28.5	1.522	2.396	15.1	21.4
9 18	1 11.94	+14 5.8	1.439	2.377	11.2	21.2
9 28	1 4.04	+13 22.6	1.379	2.358	6.7	20.9
10 8	0 54.71	+12 22.0	1.343	2.339	2.8	20.6
10 18	0 45.15	+11 10.1	1.335	2.320	5.0	20.7
10 28	0 36.67	+ 9 56.0	1.353	2.300	9.7	20.9
11 7	0 30.39	+ 8 49.3	1.394	2.280	14.3	21.1

515422 2013 HA_{124} 10 7.9 21°.99 2°.5/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 22.32	+12 13.1	1.890	2.675	16.2	21.2
9 8	1 18.34	+12 43.5	1.809	2.679	13.2	21.0
9 18	1 12.00	+13 0.8	1.748	2.684	9.7	20.8
9 28	1 3.85	+13 4.8	1.711	2.689	5.8	20.6
10 8	0 54.71	+12 57.3	1.700	2.694	2.6	20.4
10 18	0 45.62	+12 41.7	1.717	2.700	4.3	20.5
10 28	0 37.61	+12 23.0	1.762	2.707	8.1	20.8
11 7	0 31.52	+12 6.3	1.832	2.713	11.7	21.0

368147 2013 LM_{21} 10 7.9 124°.00 2°.1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 17.35	+16 43.1	2.721	3.471	12.6	21.2
9 8	1 13.59	+16 22.2	2.636	3.483	10.3	21.1
9 18	1 8.26	+15 47.1	2.573	3.495	7.6	20.9
9 28	1 1.77	+14 58.9	2.535	3.506	4.7	20.8
10 8	0 54.73	+14 0.5	2.526	3.518	2.3	20.6
10 18	0 47.77	+12 56.0	2.546	3.529	3.2	20.7
10 28	0 41.55	+11 50.6	2.597	3.539	5.9	20.9
11 7	0 36.62	+10 49.4	2.675	3.550	8.7	21.1

461158 2015 TE_{117} 10 7.9 292°.21 1°.9/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 14.29	+ 4 43.9	2.340	3.153	12.7	20.7
9 8	1 11.51	+ 3 36.0	2.251	3.148	9.9	20.5
9 18	1 7.01	+ 2 16.5	2.186	3.142	6.7	20.3
9 28	1 1.22	+ 0 49.9	2.147	3.137	3.4	20.1
10 8	0 54.74	− 0 37.7	2.137	3.131	2.1	20.0
10 18	0 48.27	− 1 59.8	2.156	3.126	5.0	20.2
10 28	0 42.56	− 3 10.4	2.203	3.121	8.3	20.4
11 7	0 38.20	− 4 5.0	2.276	3.115	11.4	20.6

96603 1998 YH_{12} 10 7.9 273°.25 8°.3/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.96	+34 56.5	2.589	3.219	15.7	19.8
9 8	1 16.36	+35 45.9	2.487	3.213	14.2	19.6
9 18	1 10.62	+36 15.4	2.402	3.208	12.4	19.5
9 28	1 3.18	+36 21.3	2.336	3.203	10.6	19.3
10 8	0 54.74	+36 2.0	2.294	3.197	9.0	19.2
10 18	0 46.17	+35 18.0	2.276	3.192	8.4	19.2
10 28	0 38.45	+34 13.5	2.284	3.186	8.9	19.2
11 7	0 32.38	+32 55.1	2.318	3.181	10.3	19.3

354279 2002 RD_{241} 10 7.9 295°.43 7°.6/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.68	− 8 45.7	1.810	2.658	14.4	20.3
9 8	1 13.17	−10 57.5	1.742	2.653	11.5	20.1
9 18	1 8.45	−13 14.4	1.699	2.648	8.9	20.0
9 28	1 2.04	−15 25.4	1.681	2.643	7.6	19.9
10 8	0 54.75	−17 19.6	1.691	2.638	8.6	19.9
10 18	0 47.50	−18 48.0	1.726	2.634	11.0	20.1
10 28	0 41.27	−19 45.2	1.785	2.629	13.9	20.3
11 7	0 36.82	−20 10.7	1.864	2.625	16.5	20.4

477086 2009 BE_{106} 10 7.9 176°.88 4°.4/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 18.68	− 3 31.5	2.121	2.949	13.3	21.4
9 8	1 15.08	− 4 43.3	2.047	2.950	10.4	21.2
9 18	1 9.53	− 6 0.9	1.996	2.951	7.4	21.0
9 28	1 2.51	− 7 18.1	1.971	2.952	4.8	20.8
10 8	0 54.76	− 8 27.8	1.973	2.952	4.8	20.8
10 18	0 47.09	− 9 23.7	2.004	2.952	7.3	21.0
10 28	0 40.34	−10 1.3	2.062	2.952	10.3	21.2
11 7	0 35.17	−10 18.6	2.143	2.951	13.1	21.4

312464 2008 RD_{46} 10 7.9 336°.56 0°.6/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.77	+ 4 34.6	4.052	4.847	8.1	20.8
9 8	1 7.94	+ 4 8.6	3.959	4.844	6.3	20.7
9 18	1 4.15	+ 3 37.4	3.890	4.841	4.3	20.6
9 28	0 59.64	+ 3 2.8	3.849	4.839	2.1	20.4
10 8	0 54.78	+ 2 27.3	3.838	4.836	0.7	20.3
10 18	0 49.92	+ 1 53.2	3.857	4.833	2.7	20.4
10 28	0 45.47	+ 1 23.3	3.906	4.831	4.8	20.6
11 7	0 41.75	+ 0 59.5	3.982	4.828	6.7	20.7

346672 2008 YL_{29} 10 7.9 262°.51 3°.0/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.49	+ 0 45.9	1.926	2.750	14.6	21.2
9 8	1 16.10	− 0 1.9	1.836	2.738	11.5	21.0
9 18	1 10.48	− 0 59.3	1.768	2.726	7.9	20.8
9 28	1 3.12	− 2 1.4	1.725	2.713	4.4	20.5
10 8	0 54.77	− 3 1.5	1.709	2.700	3.3	20.4
10 18	0 46.39	− 3 52.8	1.721	2.688	6.4	20.6
10 28	0 38.95	− 4 29.6	1.760	2.675	10.2	20.8
11 7	0 33.28	− 4 48.3	1.822	2.661	13.7	21.0

515008 2009 QV_{65} 10 7.9 16°.72 0°.0/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 15.30	+ 9 54.4	2.145	2.944	14.1	21.1
9 8	1 12.47	+ 9 10.3	2.060	2.945	11.2	20.9
9 18	1 7.76	+ 8 11.6	1.997	2.946	7.8	20.7
9 28	1 1.63	+ 7 1.4	1.960	2.947	4.0	20.5
10 8	0 54.78	+ 5 45.0	1.950	2.949	0.0	20.1
10 18	0 47.97	+ 4 28.7	1.969	2.951	4.0	20.5
10 28	0 42.03	+ 3 19.1	2.016	2.952	7.8	20.7
11 7	0 37.60	+ 2 21.7	2.089	2.954	11.2	20.9

521894 2015 TT_{383} 10 7.9 320°.73 2°.4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.20	+12 27.9	1.843	2.635	16.3	21.4
9 8	1 16.19	+12 48.9	1.743	2.618	13.4	21.2
9 18	1 10.77	+12 55.9	1.663	2.601	9.9	20.9
9 28	1 3.37	+12 48.6	1.606	2.585	5.9	20.7
10 8	0 54.78	+12 29.1	1.574	2.569	2.6	20.4
10 18	0 46.01	+12 0.9	1.570	2.554	4.5	20.5
10 28	0 38.18	+11 29.9	1.593	2.539	8.6	20.7
11 7	0 32.23	+11 2.2	1.640	2.525	12.6	20.9

315174 Sellek 10 7.9 124°.01 5°.2/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 20.73	−12 17.5	2.796	3.612	10.8	20.8
9 8	1 16.04	−13 7.7	2.738	3.626	8.6	20.7
9 18	1 9.82	−13 55.8	2.703	3.641	6.6	20.6
9 28	1 2.54	−14 36.9	2.696	3.655	5.3	20.5
10 8	0 54.78	−15 6.6	2.718	3.668	5.6	20.5
10 18	0 47.19	−15 21.8	2.767	3.681	7.1	20.7
10 28	0 40.40	−15 20.7	2.844	3.694	9.1	20.8
11 7	0 34.91	−15 3.4	2.944	3.706	11.0	21.0

65000 2002 AV_{63} 10 7.9 47°.89 3°.4/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.30	− 9 50.2	4.273	5.094	7.2	19.2
9 8	1 7.52	−10 45.0	4.200	5.095	5.7	19.1
9 18	1 3.82	−11 39.9	4.152	5.096	4.3	19.0
9 28	0 59.47	−12 31.5	4.133	5.097	3.4	19.0
10 8	0 54.80	−13 17.0	4.143	5.098	3.7	19.0
10 18	0 50.14	−13 53.8	4.182	5.098	4.9	19.1
10 28	0 45.88	−14 19.9	4.249	5.099	6.3	19.2
11 7	0 42.33	−14 34.3	4.340	5.100	7.7	19.3

119146 2001 PQ_{45} 10 7.9 8°.26 3°.9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.05	− 2 41.3	0.813	1.704	23.3	18.6
9 8	1 16.32	− 2 17.3	0.768	1.706	18.5	18.3
9 18	1 11.67	− 1 58.0	0.738	1.711	12.9	18.1
9 28	1 3.97	− 1 37.6	0.726	1.719	6.9	17.8
10 8	0 54.79	− 1 9.8	0.733	1.729	4.1	17.7
10 18	0 46.03	− 0 30.3	0.762	1.743	8.6	18.0
10 28	0 39.45	+ 0 23.6	0.810	1.759	14.2	18.4
11 7	0 36.15	+ 1 31.7	0.877	1.777	19.1	18.7

327165 2005 JC_{16} 10 7.9 90°.13 3°.7/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 27.56	− 0 47.0	1.562	2.387	17.4	21.0
9 8	1 22.45	− 1 29.1	1.511	2.412	13.6	20.8
9 18	1 14.72	− 2 18.5	1.480	2.437	9.3	20.6
9 28	1 5.14	− 3 8.6	1.474	2.461	5.1	20.4
10 8	0 54.79	− 3 52.2	1.495	2.485	3.9	20.4
10 18	0 44.89	− 4 23.1	1.543	2.509	7.1	20.7
10 28	0 36.53	− 4 36.9	1.617	2.532	11.0	20.9
11 7	0 30.46	− 4 32.4	1.715	2.554	14.5	21.2

168106 2006 EK_{41} 10 7.9 81°.89 1°.0/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.49	+11 2.8	1.336	2.151	20.3	20.5
9 8	1 20.04	+10 49.2	1.272	2.163	16.3	20.3
9 18	1 13.56	+10 15.4	1.226	2.175	11.6	20.0
9 28	1 4.75	+ 9 23.9	1.201	2.188	6.2	19.8
10 8	0 54.80	+ 8 21.1	1.201	2.200	1.1	19.5
10 18	0 45.11	+ 7 15.4	1.227	2.212	5.3	19.8
10 28	0 37.03	+ 6 16.3	1.279	2.224	10.4	20.1
11 7	0 31.51	+ 5 31.2	1.353	2.236	14.9	20.4

106437 2000 VL_{51} 10 7.9 226°.26 2°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 24.02	+12 29.6	1.600	2.394	18.4	20.2
9 8	1 20.30	+12 35.8	1.512	2.389	15.0	19.9
9 18	1 13.76	+12 24.4	1.443	2.383	10.9	19.7
9 28	1 4.94	+11 55.8	1.396	2.377	6.3	19.4
10 8	0 54.81	+11 13.3	1.375	2.371	2.3	19.1
10 18	0 44.61	+10 22.6	1.381	2.365	4.9	19.3
10 28	0 35.66	+ 9 31.6	1.413	2.358	9.6	19.5
11 7	0 29.00	+ 8 48.0	1.470	2.352	14.0	19.8

268005 2004 JT_{28} 10 7.9 90°.92 2°.1/ 6.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.04	+ 3 40.2	1.618	2.439	17.0	21.1
9 8	1 18.99	+ 2 58.5	1.556	2.456	13.3	20.9
9 18	1 12.43	+ 2 5.0	1.515	2.473	9.1	20.7
9 28	1 4.04	+ 1 5.3	1.499	2.489	4.6	20.5
10 8	0 54.81	+ 0 6.2	1.509	2.505	2.3	20.3
10 18	0 45.85	− 0 44.9	1.547	2.521	6.0	20.6
10 28	0 38.24	− 1 22.0	1.611	2.537	10.2	20.9
11 7	0 32.76	− 1 41.6	1.698	2.552	13.9	21.2

89844 2002 CP_{64} 10 7.9 124°.86 0°.8/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.38	+11 2.6	4.703	5.461	7.6	20.2
9 8	1 9.81	+11 3.8	4.609	5.466	6.1	20.1
9 18	1 5.35	+10 59.2	4.539	5.471	4.3	20.0
9 28	1 0.25	+10 49.4	4.497	5.476	2.5	19.8
10 8	0 54.82	+10 35.9	4.484	5.481	0.9	19.7
10 18	0 49.40	+10 20.2	4.503	5.486	1.9	19.8
10 28	0 44.35	+10 4.1	4.552	5.491	3.7	19.9
11 7	0 39.98	+ 9 49.7	4.630	5.495	5.5	20.1

357853 2005 UD_{227} 10 7.9 130°.39 2°.3/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.36	+ 0 20.9	2.367	3.178	12.6	21.1
9 8	1 16.13	− 0 8.8	2.291	3.185	9.9	21.0
9 18	1 10.12	− 0 44.4	2.238	3.192	6.7	20.8
9 28	1 2.79	− 1 22.2	2.211	3.199	3.6	20.6
10 8	0 54.82	− 1 57.6	2.213	3.206	2.4	20.5
10 18	0 46.94	− 2 26.5	2.244	3.212	5.0	20.7
10 28	0 39.94	− 2 45.2	2.303	3.218	8.2	20.9
11 7	0 34.39	− 2 51.3	2.388	3.224	11.0	21.1

358808 2008 EZ_{80} 10 7.9 76°.11 0°.6/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.69	+ 5 32.2	2.063	2.868	14.4	21.1
9 8	1 16.75	+ 5 19.9	1.983	2.872	11.4	20.9
9 18	1 10.75	+ 4 57.7	1.925	2.876	7.9	20.7
9 28	1 3.18	+ 4 28.4	1.892	2.881	3.9	20.4
10 8	0 54.81	+ 3 56.1	1.886	2.885	0.7	20.2
10 18	0 46.53	+ 3 25.5	1.909	2.889	4.4	20.5
10 28	0 39.22	+ 3 1.2	1.960	2.893	8.2	20.7
11 7	0 33.58	+ 2 47.0	2.036	2.898	11.6	21.0

317823 2003 SP_{282} 10 7.9 17°.01 2°.1/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.11	+13 1.5	1.600	2.401	18.1	20.3
9 8	1 16.25	+13 1.2	1.522	2.403	14.7	20.0
9 18	1 10.81	+12 42.5	1.463	2.405	10.7	19.8
9 28	1 3.35	+12 6.4	1.426	2.408	6.2	19.6
10 8	0 54.81	+11 17.0	1.415	2.412	2.2	19.3
10 18	0 46.34	+10 20.5	1.430	2.415	4.6	19.5
10 28	0 39.10	+ 9 24.9	1.471	2.419	9.1	19.8
11 7	0 33.98	+ 8 37.6	1.537	2.424	13.2	20.0

301436 2009 DL_{74} 10 8.0 273°.23 1°.9/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.59	+ 3 11.7	1.838	2.736	11.7	21.0
9 18	1 10.17	+ 2 18.3	1.766	2.722	8.0	20.8
9 28	1 2.99	+ 1 17.1	1.718	2.708	4.1	20.5
10 8	0 54.82	+ 0 14.2	1.698	2.694	2.1	20.3
10 18	0 46.58	− 0 43.8	1.705	2.679	5.6	20.6
10 28	0 39.26	− 1 30.2	1.740	2.665	9.7	20.8
11 7	0 33.68	− 2 0.6	1.799	2.650	13.3	21.0
11 17	0 30.36	− 2 12.8	1.878	2.636	16.4	21.2

451840 2013 JM_{41} 10 8.0 12°.60 8°.8/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.55	−19 39.9	1.978	2.867	11.4	20.6
9 18	1 9.90	−20 50.9	1.945	2.869	9.6	20.5
9 28	1 2.72	−21 47.5	1.937	2.870	8.8	20.4
10 8	0 54.82	−22 23.0	1.953	2.873	9.5	20.5
10 18	0 47.10	−22 33.0	1.994	2.875	11.2	20.6
10 28	0 40.44	−22 16.3	2.058	2.878	13.3	20.7
11 7	0 35.50	−21 34.6	2.142	2.881	15.3	20.9
11 17	0 32.68	−20 31.6	2.243	2.884	17.0	21.1

278133 2007 CZ_{47} 10 8.0 292°.15 0°.9/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.97	+10 28.6	1.454	2.344	14.7	21.1
9 18	1 11.61	+ 9 57.7	1.375	2.324	10.6	20.8
9 28	1 3.93	+ 9 9.7	1.318	2.305	5.8	20.5
10 8	0 54.82	+ 8 8.9	1.287	2.285	1.0	20.1
10 18	0 45.49	+ 7 2.6	1.281	2.266	5.1	20.3
10 28	0 37.27	+ 5 59.9	1.302	2.247	10.3	20.6
11 7	0 31.26	+ 5 9.2	1.345	2.227	15.0	20.8
11 17	0 28.14	+ 4 35.9	1.409	2.208	19.0	21.0

183888 2004 CW_{71} 10 8.0 118°.02 1°.5/ 6.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.05	+ 3 23.8	1.604	2.499	13.3	20.2
9 18	1 13.90	+ 2 54.5	1.555	2.510	9.1	20.0
9 28	1 4.84	+ 2 18.7	1.531	2.520	4.6	19.7
10 8	0 54.83	+ 1 41.9	1.533	2.531	1.6	19.6
10 18	0 45.03	+ 1 10.1	1.564	2.541	5.6	19.8
10 28	0 36.56	+ 0 48.6	1.621	2.550	9.9	20.1
11 7	0 30.25	+ 0 41.0	1.702	2.560	13.7	20.4
11 17	0 26.53	+ 0 48.7	1.804	2.569	16.7	20.6

90432 2004 BG_{56} 10 8.0 273°.75 0°.7/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.16	+ 9 55.0	1.531	2.418	14.3	20.5
9 18	1 12.36	+ 9 22.5	1.451	2.399	10.2	20.3
9 28	1 4.29	+ 8 33.9	1.393	2.380	5.5	19.9
10 8	0 54.84	+ 7 33.9	1.362	2.361	0.7	19.6
10 18	0 45.17	+ 6 29.4	1.358	2.342	5.1	19.8
10 28	0 36.58	+ 5 29.0	1.380	2.322	10.1	20.1
11 7	0 30.15	+ 4 40.5	1.425	2.302	14.7	20.3
11 17	0 26.53	+ 4 9.1	1.491	2.282	18.5	20.5

494349 2016 TP_{64} 10 8.0 9°.07 18°.4/ 4.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.66	−37 28.9	1.183	2.004	21.9	19.8
9 18	1 29.78	−37 10.0	1.151	2.007	20.0	19.7
9 28	1 12.75	−36 2.9	1.138	2.011	18.7	19.7
10 8	0 54.85	−33 59.5	1.145	2.017	18.5	19.7
10 18	0 38.48	−31 2.6	1.175	2.024	19.5	19.8
10 28	0 25.48	−27 24.5	1.228	2.033	21.2	19.9
11 7	0 16.71	−23 22.5	1.302	2.044	23.2	20.1
11 17	0 12.18	−19 11.8	1.394	2.056	25.0	20.3

19877 9086 P–L 10 8.0 1°.17 2°.7/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	0 58.15	+14 11.9	0.610	1.551	21.3	17.6
9 18	0 59.48	+13 37.0	0.572	1.543	15.7	17.3
9 28	0 57.96	+12 24.2	0.548	1.539	9.2	16.9
10 8	0 54.84	+10 43.4	0.541	1.539	3.2	16.6
10 18	0 51.73	+ 8 51.6	0.551	1.542	6.4	16.8
10 28	0 50.37	+ 7 9.0	0.579	1.549	12.9	17.2
11 7	0 51.88	+ 5 52.0	0.623	1.560	18.8	17.6
11 17	0 56.67	+ 5 8.1	0.682	1.575	23.7	18.0