510617 2012 TH_{125} 10 8.9 67°.71 2°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.95	+14 35.8	1.511	2.378	15.5	21.0
9 18	1 16.15	+14 11.5	1.460	2.393	11.4	20.8
9 28	1 8.30	+13 28.5	1.432	2.408	6.9	20.6
10 8	0 59.38	+12 30.8	1.429	2.424	2.8	20.4
10 18	0 50.55	+11 25.2	1.452	2.439	4.2	20.5
10 28	0 42.99	+10 20.3	1.503	2.455	8.5	20.8
11 7	0 37.56	+ 9 23.8	1.578	2.470	12.5	21.1
11 17	0 34.73	+ 8 41.2	1.674	2.485	15.9	21.4

73206 2002 JK_{18} 10 8.9 69°.45 5°.9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.23	− 8 16.5	1.582	2.478	13.4	19.3
9 18	1 18.87	− 8 51.9	1.550	2.497	9.8	19.2
9 28	1 9.61	− 9 20.9	1.541	2.516	6.7	19.0
10 8	0 59.49	− 9 37.0	1.558	2.535	6.1	19.1
10 18	0 49.66	− 9 35.7	1.603	2.554	8.4	19.2
10 28	0 41.22	− 9 14.7	1.673	2.574	11.6	19.5
11 7	0 34.95	− 8 34.9	1.766	2.593	14.7	19.7
11 17	0 31.22	− 7 38.7	1.878	2.612	17.2	20.0

134096 2004 XA_{122} 10 8.9 33°.14 9°.9/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.93	−16 54.2	1.415	2.310	14.7	18.5
9 18	1 18.24	−17 50.5	1.383	2.317	11.9	18.4
9 28	1 9.38	−18 30.5	1.374	2.325	10.1	18.3
10 8	0 59.48	−18 45.6	1.388	2.334	10.3	18.3
10 18	0 49.83	−18 31.1	1.426	2.343	12.3	18.5
10 28	0 41.68	−17 46.4	1.487	2.353	15.0	18.7
11 7	0 35.90	−16 35.0	1.568	2.363	17.7	18.9
11 17	0 32.89	−15 2.5	1.666	2.373	20.0	19.1

349282 2007 TK_{358} 10 8.9 210°.81 2°.5/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.24	+15 58.6	2.111	2.957	12.6	21.4
9 18	1 15.41	+15 42.6	2.032	2.952	9.5	21.2
9 28	1 7.88	+15 11.1	1.978	2.947	6.0	21.0
10 8	0 59.36	+14 26.2	1.950	2.942	2.9	20.8
10 18	0 50.71	+13 32.0	1.951	2.936	3.7	20.8
10 28	0 42.87	+12 34.4	1.981	2.930	7.0	21.0
11 7	0 36.61	+11 39.8	2.038	2.923	10.5	21.2
11 17	0 32.45	+10 53.6	2.118	2.916	13.5	21.4

32424 Caryjames 10 8.9 51°.28 1°.4/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.99	+10 32.4	1.440	2.320	15.5	18.3
9 18	1 17.73	+10 31.1	1.387	2.329	11.2	18.0
9 28	1 9.22	+10 15.5	1.355	2.338	6.4	17.8
10 8	0 59.48	+ 9 48.9	1.349	2.347	1.8	17.5
10 18	0 49.77	+ 9 16.8	1.370	2.357	4.4	17.7
10 28	0 41.36	+ 8 45.9	1.417	2.367	9.1	18.0
11 7	0 35.23	+ 8 22.6	1.487	2.377	13.3	18.3
11 17	0 31.88	+ 8 11.1	1.579	2.387	16.9	18.6

178799 2001 EG_{4} 10 9.0 254°.56 3°.4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.86	+ 1 5.9	1.641	2.537	13.0	21.0
9 18	1 16.22	− 0 10.9	1.566	2.520	9.1	20.7
9 28	1 8.48	− 1 35.9	1.515	2.502	5.2	20.4
10 8	0 59.43	− 3 1.1	1.492	2.483	3.6	20.3
10 18	0 50.14	− 4 17.3	1.495	2.464	6.9	20.4
10 28	0 41.79	− 5 16.5	1.526	2.445	11.2	20.7
11 7	0 35.35	− 5 53.4	1.579	2.425	15.2	20.9
11 17	0 31.46	− 6 6.4	1.652	2.404	18.5	21.0

356100 2009 ED_{27} 10 9.0 329°.07 1°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.10	+10 0.5	1.568	2.449	14.3	20.7
9 18	1 15.75	+ 9 57.1	1.496	2.439	10.4	20.5
9 28	1 8.24	+ 9 40.6	1.447	2.430	5.9	20.2
10 8	0 59.41	+ 9 14.0	1.423	2.421	1.5	19.9
10 18	0 50.37	+ 8 42.2	1.426	2.413	4.2	20.1
10 28	0 42.34	+ 8 11.6	1.455	2.405	8.9	20.3
11 7	0 36.33	+ 7 48.3	1.508	2.398	13.2	20.6
11 17	0 32.93	+ 7 36.8	1.582	2.391	16.8	20.8

5220 Vika 10 9.0 57°.44 0°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 27.31	+ 5 51.1	1.130	2.028	17.4	16.0
9 18	1 20.16	+ 5 38.3	1.097	2.050	12.2	15.8
9 28	1 10.47	+ 5 14.5	1.086	2.073	6.4	15.6
10 8	0 59.59	+ 4 45.8	1.098	2.097	0.8	15.2
10 18	0 49.07	+ 4 19.2	1.135	2.120	5.5	15.7
10 28	0 40.39	+ 4 1.6	1.198	2.144	10.8	16.0
11 7	0 34.50	+ 3 57.6	1.282	2.168	15.3	16.4
11 17	0 31.79	+ 4 9.0	1.385	2.192	18.9	16.7

49002 1998 QX_{57} 10 9.0 302°.86 0°.9/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.87	+ 7 25.8	1.379	2.275	15.0	18.2
9 18	1 15.10	+ 6 35.3	1.308	2.260	10.7	17.9
9 28	1 7.97	+ 5 29.6	1.258	2.246	5.7	17.6
10 8	0 59.39	+ 4 15.3	1.234	2.232	0.9	17.2
10 18	0 50.56	+ 3 1.2	1.235	2.219	5.4	17.5
10 28	0 42.82	+ 1 57.1	1.262	2.205	10.7	17.8
11 7	0 37.26	+ 1 10.5	1.311	2.192	15.3	18.0
11 17	0 34.53	+ 0 45.8	1.379	2.180	19.3	18.3

69558 1997 TA_{26} 10 9.0 279°.11 1°.4/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.50	+ 1 57.3	2.358	3.237	10.2	19.3
9 18	1 16.14	+ 1 52.8	2.277	3.223	7.2	19.1
9 28	1 8.24	+ 1 45.2	2.222	3.208	3.9	18.8
10 8	0 59.42	+ 1 37.4	2.197	3.194	1.4	18.6
10 18	0 50.44	+ 1 32.7	2.201	3.179	4.1	18.8
10 28	0 42.15	+ 1 34.2	2.234	3.165	7.5	19.0
11 7	0 35.25	+ 1 44.3	2.294	3.150	10.7	19.2
11 17	0 30.24	+ 2 4.4	2.377	3.135	13.3	19.3

3038 Bernes 10 9.0 8°.99 2°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.87	+10 37.8	1.039	1.939	18.3	15.9
9 18	1 16.16	+10 56.6	0.989	1.941	13.4	15.6
9 28	1 8.62	+10 57.7	0.959	1.944	7.8	15.3
10 8	0 59.46	+10 44.3	0.951	1.949	2.6	15.0
10 18	0 50.24	+10 22.2	0.967	1.955	5.2	15.2
10 28	0 42.61	+ 9 59.5	1.005	1.963	10.7	15.6
11 7	0 37.75	+ 9 44.1	1.064	1.972	15.7	15.9
11 17	0 36.24	+ 9 41.4	1.141	1.983	19.9	16.2

488152 2015 WT_{4} 10 9.0 333°.41 6°.1/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.62	−10 22.1	1.976	2.872	11.1	20.5
9 18	1 14.23	−11 15.9	1.922	2.867	8.4	20.3
9 28	1 7.22	−12 4.1	1.894	2.862	6.4	20.2
10 8	0 59.33	−12 40.0	1.892	2.857	6.4	20.2
10 18	0 51.42	−12 58.6	1.916	2.852	8.4	20.3
10 28	0 44.41	−12 56.7	1.966	2.848	11.1	20.4
11 7	0 39.00	−12 33.9	2.039	2.844	13.8	20.6
11 17	0 35.65	−11 51.8	2.131	2.840	16.1	20.8

516015 2015 RG_{255} 10 9.0 174°.78 0°.4/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.55	+ 9 36.7	2.571	3.439	9.9	21.2
9 18	1 11.78	+ 8 10.3	2.500	3.441	6.9	21.0
9 28	1 5.82	+ 6 32.9	2.457	3.442	3.7	20.8
10 8	0 59.21	+ 4 50.0	2.444	3.443	0.4	20.5
10 18	0 52.58	+ 3 7.7	2.462	3.443	3.4	20.8
10 28	0 46.61	+ 1 32.5	2.510	3.444	6.6	21.0
11 7	0 41.83	+ 0 9.7	2.587	3.444	9.6	21.2
11 17	0 38.62	− 0 57.2	2.687	3.443	12.0	21.4

489943 2008 RP_{103} 10 9.0 22°.14 2°.1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.16	+17 27.9	3.887	4.712	7.7	20.7
9 18	1 9.85	+17 27.6	3.810	4.715	5.9	20.5
9 28	1 4.71	+17 18.6	3.760	4.718	4.0	20.4
10 8	0 59.11	+17 2.1	3.737	4.721	2.4	20.3
10 18	0 53.46	+16 39.6	3.745	4.725	2.5	20.3
10 28	0 48.22	+16 13.7	3.782	4.728	4.1	20.4
11 7	0 43.77	+15 47.2	3.848	4.732	6.0	20.6
11 17	0 40.40	+15 22.6	3.941	4.736	7.8	20.7

225019 2007 EO_{214} 10 9.0 126°.48 0°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.72	+ 8 49.2	2.571	3.439	9.9	21.4
9 18	1 12.56	+ 8 4.0	2.511	3.450	6.9	21.2
9 28	1 6.21	+ 7 10.3	2.477	3.461	3.7	21.0
10 8	0 59.25	+ 6 12.0	2.473	3.472	0.3	20.7
10 18	0 52.31	+ 5 13.5	2.498	3.482	3.1	21.0
10 28	0 46.05	+ 4 19.7	2.553	3.491	6.2	21.2
11 7	0 41.02	+ 3 34.5	2.635	3.501	9.1	21.4
11 17	0 37.59	+ 3 0.8	2.741	3.510	11.5	21.6

516054 2015 TV_{154} 10 9.0 127°.48 0°.4/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.37	+ 9 41.8	2.064	2.936	11.8	21.9
9 18	1 14.02	+ 9 10.2	1.999	2.939	8.4	21.7
9 28	1 7.11	+ 8 27.5	1.958	2.941	4.6	21.5
10 8	0 59.34	+ 7 37.8	1.945	2.943	0.7	21.2
10 18	0 51.53	+ 6 46.1	1.960	2.945	3.5	21.4
10 28	0 44.56	+ 5 57.9	2.004	2.948	7.3	21.7
11 7	0 39.12	+ 5 18.5	2.073	2.950	10.7	21.9
11 17	0 35.67	+ 4 51.2	2.166	2.952	13.6	22.1

342744 2008 WD_{61} 10 9.0 4°.57 2°.4/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.33	+15 38.4	1.597	2.462	15.0	20.0
9 18	1 14.41	+15 4.8	1.530	2.461	11.2	19.8
9 28	1 7.47	+14 10.9	1.486	2.462	6.9	19.5
10 8	0 59.38	+13 0.7	1.467	2.462	2.9	19.3
10 18	0 51.21	+11 41.0	1.475	2.462	4.1	19.4
10 28	0 44.10	+10 20.7	1.510	2.463	8.4	19.6
11 7	0 38.95	+ 9 8.6	1.570	2.464	12.5	19.9
11 17	0 36.29	+ 8 11.0	1.651	2.465	16.0	20.1

95403 2002 CC_{207} 10 9.0 85°.35 2°.6/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.90	+ 0 27.0	2.103	2.995	10.7	19.9
9 18	1 13.55	− 0 26.6	2.055	3.007	7.4	19.7
9 28	1 6.79	− 1 23.3	2.032	3.018	4.1	19.5
10 8	0 59.31	− 2 17.5	2.037	3.030	2.7	19.4
10 18	0 51.89	− 3 3.9	2.071	3.041	5.2	19.6
10 28	0 45.33	− 3 37.9	2.133	3.053	8.5	19.9
11 7	0 40.25	− 3 56.8	2.220	3.064	11.4	20.1
11 17	0 37.06	− 3 59.8	2.328	3.075	13.9	20.3

79845 1998 XR_2 10 9.0 81°.42 3°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 24.66	+15 17.7	1.497	2.359	16.0	19.0
9 18	1 18.18	+15 18.3	1.443	2.371	11.9	18.8
9 28	1 9.48	+14 59.8	1.411	2.384	7.5	18.6
10 8	0 59.57	+14 24.9	1.404	2.396	3.6	18.4
10 18	0 49.70	+13 38.9	1.423	2.409	4.6	18.5
10 28	0 41.14	+12 49.4	1.470	2.421	8.7	18.7
11 7	0 34.84	+12 4.3	1.540	2.433	12.7	19.0
11 17	0 31.32	+11 29.6	1.632	2.446	16.2	19.3

453386 2009 CH_1 10 9.0 100°.67 20°.7/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.36	−36 19.0	1.030	1.866	23.4	20.1
9 18	1 32.54	−37 20.1	1.014	1.875	21.7	20.0
9 28	1 17.06	−37 32.9	1.014	1.883	20.8	20.0
10 8	1 0.23	−36 45.9	1.031	1.891	21.0	20.1
10 18	0 44.57	−34 58.3	1.066	1.899	22.2	20.2
10 28	0 32.15	−32 19.1	1.119	1.907	23.9	20.4
11 7	0 24.00	−29 3.9	1.188	1.914	25.8	20.6
11 17	0 20.20	−25 27.4	1.270	1.921	27.5	20.8

135602 2002 HX_9 10 9.0 72°.27 2°.0/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 27.07	+ 2 40.5	1.281	2.178	15.8	19.4
9 18	1 19.95	+ 2 21.7	1.238	2.191	11.0	19.2
9 28	1 10.42	+ 1 56.3	1.217	2.205	5.9	18.9
10 8	0 59.65	+ 1 30.7	1.222	2.219	2.0	18.7
10 18	0 49.08	+ 1 11.1	1.253	2.234	6.0	19.0
10 28	0 40.09	+ 1 3.1	1.309	2.248	10.9	19.3
11 7	0 33.66	+ 1 10.2	1.388	2.262	15.2	19.6
11 17	0 30.25	+ 1 33.0	1.486	2.276	18.6	19.9

130158 Orsonjohn 10 9.0 298°.79 8°.5/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.89	−18 54.2	2.102	2.980	11.3	19.4
9 18	1 15.94	−19 55.9	2.035	2.954	9.5	19.2
9 28	1 8.23	−20 46.2	1.993	2.928	8.6	19.1
10 8	0 59.47	−21 17.9	1.977	2.902	9.1	19.1
10 18	0 50.56	−21 25.7	1.986	2.876	10.8	19.2
10 28	0 42.46	−21 6.9	2.019	2.850	13.1	19.3
11 7	0 35.99	−20 22.2	2.073	2.824	15.4	19.4
11 17	0 31.68	−19 14.7	2.146	2.798	17.4	19.5

216302 2007 RJ_{149} 10 9.0 60°.07 1°.8/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.22	+13 19.9	2.510	3.362	10.6	20.2
9 18	1 13.75	+13 18.1	2.439	3.364	7.9	20.0
9 28	1 6.92	+13 5.6	2.393	3.366	4.8	19.8
10 8	0 59.35	+12 44.3	2.375	3.369	2.1	19.7
10 18	0 51.71	+12 17.2	2.386	3.371	3.0	19.7
10 28	0 44.74	+11 48.1	2.426	3.373	6.0	19.9
11 7	0 39.07	+11 21.2	2.494	3.376	8.9	20.1
11 17	0 35.12	+11 0.2	2.586	3.378	11.5	20.3

319327 2006 BV_{180} 10 9.0 17°.00 3°.5/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.52	+18 2.1	2.170	3.007	12.6	20.5
9 18	1 14.90	+18 11.3	2.097	3.008	9.7	20.3
9 28	1 7.63	+18 5.2	2.048	3.009	6.6	20.1
10 8	0 59.42	+17 44.8	2.025	3.010	3.9	20.0
10 18	0 51.10	+17 12.9	2.031	3.011	4.1	20.0
10 28	0 43.57	+16 34.3	2.064	3.013	6.8	20.2
11 7	0 37.59	+15 54.9	2.125	3.014	9.9	20.4
11 17	0 33.65	+15 19.6	2.208	3.015	12.7	20.6

350527 2000 FZ_{14} 10 9.0 224°.93 6°.9/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 30.49	−16 26.7	2.326	3.190	10.9	20.8
9 18	1 21.70	−16 50.1	2.261	3.180	8.7	20.7
9 28	1 11.19	−17 2.7	2.224	3.170	7.1	20.6
10 8	0 59.76	−16 59.3	2.215	3.159	7.1	20.5
10 18	0 48.34	−16 36.4	2.235	3.148	8.6	20.6
10 28	0 37.89	−15 53.1	2.284	3.136	11.0	20.8
11 7	0 29.18	−14 51.0	2.358	3.124	13.3	20.9
11 17	0 22.69	−13 33.0	2.453	3.111	15.4	21.1

23144 2000 AY_{182} 10 9.0 304°.33 1°.2/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 11.86	+14 37.5	4.236	5.076	6.9	18.7
9 18	1 8.21	+14 14.3	4.153	5.071	5.1	18.5
9 28	1 3.84	+13 43.6	4.097	5.067	3.2	18.4
10 8	0 59.08	+13 7.2	4.070	5.062	1.4	18.3
10 18	0 54.28	+12 27.0	4.073	5.058	1.9	18.3
10 28	0 49.82	+11 45.8	4.106	5.053	3.8	18.4
11 7	0 46.04	+11 6.2	4.168	5.049	5.7	18.6
11 17	0 43.20	+10 30.6	4.257	5.044	7.4	18.7

397947 2008 YE_{18} 10 9.0 207°.29 4°.1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.45	− 5 9.0	2.406	3.295	9.7	22.2
9 18	1 14.63	− 6 13.0	2.342	3.289	7.0	22.0
9 28	1 7.41	− 7 16.7	2.305	3.282	4.6	21.9
10 8	0 59.42	− 8 14.3	2.297	3.275	4.3	21.9
10 18	0 51.37	− 9 0.7	2.318	3.267	6.3	22.0
10 28	0 44.03	− 9 31.8	2.367	3.258	9.1	22.1
11 7	0 38.03	− 9 45.5	2.440	3.249	11.7	22.3
11 17	0 33.81	− 9 41.8	2.535	3.239	13.9	22.5

256499 2007 EH_{69} 10 9.0 307°.40 1°.6/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.36	+ 3 40.7	1.978	2.868	11.4	20.8
9 18	1 13.43	+ 2 58.1	1.907	2.858	8.0	20.5
9 28	1 6.88	+ 2 8.5	1.861	2.848	4.2	20.3
10 8	0 59.38	+ 1 16.9	1.842	2.839	1.7	20.1
10 18	0 51.76	+ 0 29.2	1.851	2.829	4.7	20.3
10 28	0 44.93	− 0 9.2	1.888	2.820	8.5	20.5
11 7	0 39.63	− 0 34.0	1.949	2.811	12.0	20.7
11 17	0 36.37	− 0 43.1	2.032	2.802	14.9	20.9

277196 2005 QV_{49} 10 9.0 36°.54 5°.7/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.21	− 2 40.9	1.032	1.952	16.6	19.5
9 18	1 15.97	− 3 54.6	1.009	1.972	11.7	19.3
9 28	1 8.29	− 5 7.3	1.006	1.992	7.1	19.1
10 8	0 59.49	− 6 7.8	1.026	2.014	5.9	19.1
10 18	0 51.06	− 6 47.0	1.070	2.037	9.3	19.4
10 28	0 44.38	− 6 59.6	1.136	2.061	13.6	19.7
11 7	0 40.31	− 6 45.4	1.222	2.085	17.5	20.1
11 17	0 39.20	− 6 7.2	1.325	2.111	20.7	20.4

221605 2006 WJ_{149} 10 9.0 58°.43 3°.3/11.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.90	+16 41.9	1.352	2.218	17.1	19.9
9 18	1 16.42	+16 20.0	1.298	2.228	12.8	19.7
9 28	1 8.61	+15 34.9	1.265	2.239	8.1	19.4
10 8	0 59.54	+14 30.4	1.256	2.249	3.9	19.2
10 18	0 50.49	+13 14.0	1.273	2.260	4.7	19.3
10 28	0 42.82	+11 55.9	1.316	2.270	9.1	19.6
11 7	0 37.49	+10 45.8	1.382	2.281	13.5	19.9
11 17	0 35.01	+ 9 50.8	1.469	2.293	17.2	20.1

432719 2011 CZ_{64} 10 9.0 160°.72 1°.9/ 7.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.32	+ 3 24.0	1.815	2.701	12.5	21.8
9 18	1 16.93	+ 2 38.1	1.757	2.706	8.7	21.6
9 28	1 8.73	+ 1 45.5	1.724	2.711	4.6	21.3
10 8	0 59.55	+ 0 51.8	1.718	2.715	1.9	21.2
10 18	0 50.38	+ 0 3.4	1.741	2.719	5.1	21.4
10 28	0 42.24	− 0 34.0	1.792	2.722	9.1	21.7
11 7	0 35.92	− 0 56.5	1.867	2.724	12.7	21.9
11 17	0 31.90	− 1 2.3	1.964	2.726	15.6	22.1

13933 Charleville 10 9.0 47°.33 2°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.02	− 0 8.1	1.605	2.501	13.2	16.9
9 18	1 16.78	− 0 33.3	1.560	2.513	9.2	16.7
9 28	1 8.64	− 1 1.1	1.539	2.526	5.1	16.5
10 8	0 59.54	− 1 25.7	1.545	2.539	2.9	16.4
10 18	0 50.57	− 1 42.1	1.577	2.552	5.9	16.6
10 28	0 42.80	− 1 45.8	1.637	2.566	9.9	16.9
11 7	0 37.03	− 1 34.8	1.719	2.580	13.4	17.1
11 17	0 33.71	− 1 8.8	1.823	2.594	16.4	17.4

294548 2007 YJ_{14} 10 9.0 176°.21 1°.8/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.55	+13 6.7	2.134	2.989	12.1	21.4
9 18	1 15.60	+12 57.9	2.062	2.990	8.9	21.2
9 28	1 8.01	+12 36.4	2.016	2.991	5.4	20.9
10 8	0 59.50	+12 4.7	1.996	2.991	2.1	20.7
10 18	0 50.91	+11 26.6	2.006	2.992	3.4	20.8
10 28	0 43.13	+10 47.1	2.044	2.992	6.9	21.0
11 7	0 36.92	+10 11.5	2.109	2.992	10.3	21.3
11 17	0 32.76	+ 9 44.0	2.198	2.991	13.2	21.5

319539 2006 RN_{83} 10 9.0 69°.30 0°.1/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.49	+ 9 14.1	1.279	2.169	16.3	20.6
9 18	1 17.41	+ 8 28.1	1.239	2.188	11.5	20.4
9 28	1 9.06	+ 7 26.9	1.220	2.207	6.2	20.1
10 8	0 59.59	+ 6 17.6	1.227	2.226	0.6	19.8
10 18	0 50.33	+ 5 9.3	1.259	2.245	4.9	20.2
10 28	0 42.58	+ 4 10.8	1.317	2.264	10.0	20.5
11 7	0 37.26	+ 3 28.8	1.398	2.283	14.4	20.8
11 17	0 34.78	+ 3 6.3	1.499	2.302	17.9	21.1

104046 2000 EW_{11} 10 9.0 330°.59 3°.2/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.50	+14 37.8	1.978	2.829	13.1	19.0
9 18	1 17.22	+15 11.5	1.899	2.820	9.9	18.8
9 28	1 9.01	+15 32.6	1.843	2.812	6.5	18.6
10 8	0 59.60	+15 41.3	1.815	2.804	3.5	18.4
10 18	0 49.95	+15 39.4	1.814	2.797	4.2	18.4
10 28	0 41.12	+15 30.8	1.842	2.790	7.5	18.6
11 7	0 34.00	+15 20.3	1.896	2.783	11.0	18.8
11 17	0 29.19	+15 12.8	1.973	2.777	14.1	19.0

94298 2001 DW_{105} 10 9.0 237°.25 2°.6/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.21	+17 16.0	2.373	3.212	11.6	19.7
9 18	1 13.18	+16 51.9	2.291	3.207	8.8	19.5
9 28	1 6.70	+16 12.5	2.234	3.200	5.7	19.3
10 8	0 59.38	+15 20.2	2.205	3.194	3.0	19.1
10 18	0 51.96	+14 18.8	2.204	3.188	3.4	19.2
10 28	0 45.22	+13 13.9	2.232	3.181	6.3	19.3
11 7	0 39.84	+12 11.5	2.287	3.174	9.4	19.5
11 17	0 36.27	+11 16.6	2.367	3.168	12.2	19.7

254565 2005 FT_1 10 9.0 153°.06 1°.1/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 24.80	+ 5 27.0	1.738	2.619	13.1	21.7
9 18	1 18.03	+ 4 47.0	1.680	2.627	9.2	21.4
9 28	1 9.34	+ 3 58.2	1.648	2.634	4.8	21.2
10 8	0 59.63	+ 3 6.0	1.642	2.641	1.1	21.0
10 18	0 49.94	+ 2 16.8	1.666	2.647	4.8	21.2
10 28	0 41.37	+ 1 36.7	1.717	2.652	9.0	21.5
11 7	0 34.75	+ 1 10.4	1.793	2.657	12.8	21.7
11 17	0 30.56	+ 1 0.0	1.890	2.661	15.9	22.0

78763 2002 UX_{28} 10 9.0 274°.85 4°.5/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.91	− 4 40.7	1.890	2.787	11.5	19.4
9 18	1 15.29	− 5 33.6	1.825	2.776	8.3	19.2
9 28	1 7.90	− 6 26.2	1.785	2.765	5.4	19.0
10 8	0 59.50	− 7 12.1	1.772	2.754	4.7	18.9
10 18	0 51.00	− 7 45.2	1.786	2.743	7.2	19.1
10 28	0 43.37	− 8 0.9	1.827	2.732	10.5	19.3
11 7	0 37.41	− 7 57.2	1.891	2.721	13.7	19.4
11 17	0 33.65	− 7 34.2	1.976	2.710	16.4	19.6

405140 2002 QR_{121} 10 9.0 340°.65 0°.2/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.88	+ 8 33.8	1.838	2.724	12.3	20.2
9 18	1 11.81	+ 7 49.8	1.766	2.714	8.8	20.0
9 28	1 6.06	+ 6 53.7	1.718	2.705	4.7	19.7
10 8	0 59.33	+ 5 50.3	1.697	2.696	0.4	19.4
10 18	0 52.47	+ 4 46.1	1.703	2.688	4.0	19.7
10 28	0 46.43	+ 3 47.8	1.736	2.680	8.2	19.9
11 7	0 41.97	+ 3 1.5	1.793	2.673	11.9	20.1
11 17	0 39.60	+ 2 30.8	1.873	2.667	15.1	20.3

410603 2008 HY_{66} 10 9.0 125°.65 0°.0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.06	+ 8 37.3	2.567	3.434	9.9	22.1
9 18	1 13.51	+ 8 0.3	2.509	3.448	7.0	21.9
9 28	1 6.76	+ 7 15.2	2.478	3.461	3.8	21.7
10 8	0 59.39	+ 6 25.6	2.475	3.474	0.4	21.5
10 18	0 52.05	+ 5 35.7	2.503	3.487	3.0	21.7
10 28	0 45.43	+ 4 50.0	2.560	3.499	6.2	21.9
11 7	0 40.07	+ 4 12.2	2.645	3.511	9.1	22.1
11 17	0 36.34	+ 3 45.0	2.753	3.523	11.4	22.3

253769 2003 WL_{121} 10 9.0 283°.75 14°.4/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.00	+43 32.9	1.650	2.343	21.4	19.6
9 18	1 18.77	+44 25.2	1.552	2.319	19.7	19.4
9 28	1 10.38	+44 40.5	1.469	2.296	17.7	19.2
10 8	0 59.77	+44 10.9	1.402	2.272	15.8	19.0
10 18	0 48.47	+42 52.2	1.356	2.248	14.6	18.8
10 28	0 38.35	+40 47.6	1.331	2.224	14.5	18.8
11 7	0 30.99	+38 8.9	1.328	2.200	15.9	18.8
11 17	0 27.33	+35 12.2	1.348	2.176	18.2	18.9

285079 1981 EQ_{36} 10 9.0 178°.32 3°.7/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.11	+20 8.9	2.313	3.135	12.4	21.0
9 18	1 15.25	+20 2.4	2.236	3.137	9.7	20.9
9 28	1 7.82	+19 39.1	2.183	3.138	6.7	20.7
10 8	0 59.50	+19 0.3	2.157	3.138	4.2	20.5
10 18	0 51.09	+18 9.2	2.160	3.138	4.1	20.5
10 28	0 43.45	+17 11.3	2.191	3.138	6.6	20.7
11 7	0 37.29	+16 12.6	2.250	3.137	9.5	20.9
11 17	0 33.11	+15 18.8	2.333	3.136	12.2	21.1

394296 2006 VW_{70} 10 9.0 21°.83 9°.2/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.82	−16 15.8	1.507	2.401	14.0	20.1
9 18	1 17.43	−17 1.6	1.473	2.408	11.2	19.9
9 28	1 9.01	−17 32.7	1.462	2.416	9.4	19.9
10 8	0 59.61	−17 41.3	1.476	2.425	9.5	19.9
10 18	0 50.43	−17 23.1	1.513	2.434	11.4	20.0
10 28	0 42.63	−16 37.6	1.574	2.444	14.1	20.2
11 7	0 37.03	−15 27.7	1.656	2.455	16.7	20.4
11 17	0 34.03	−13 58.1	1.756	2.466	19.0	20.7

116905 2004 GE_1 10 9.0 118°.65 7°.0/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.99	−14 27.7	2.084	2.969	11.1	19.5
9 18	1 16.46	−15 20.8	2.045	2.977	8.7	19.4
9 28	1 8.38	−16 4.3	2.031	2.985	7.2	19.3
10 8	0 59.56	−16 32.1	2.045	2.992	7.3	19.4
10 18	0 50.85	−16 40.0	2.085	3.000	9.0	19.5
10 28	0 43.14	−16 26.2	2.150	3.007	11.3	19.7
11 7	0 37.10	−15 51.6	2.238	3.015	13.6	19.8
11 17	0 33.13	−14 58.7	2.346	3.021	15.6	20.0

352280 2007 TT_{371} 10 9.0 317°.52 2°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.15	+14 4.4	1.600	2.471	14.7	20.8
9 18	1 14.42	+13 40.8	1.525	2.460	10.9	20.6
9 28	1 7.59	+12 58.6	1.472	2.450	6.6	20.3
10 8	0 59.50	+12 1.4	1.444	2.440	2.6	20.0
10 18	0 51.20	+10 54.9	1.443	2.430	4.1	20.1
10 28	0 43.87	+ 9 47.5	1.468	2.421	8.6	20.3
11 7	0 38.47	+ 8 47.4	1.518	2.412	12.8	20.6
11 17	0 35.60	+ 8 0.9	1.589	2.403	16.5	20.8

78300 2002 PK_{55} 10 9.0 333°.40 8°.2/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.35	+33 52.4	2.457	3.188	14.2	19.0
9 18	1 17.08	+34 42.8	2.375	3.187	12.4	18.8
9 28	1 8.94	+35 11.6	2.315	3.186	10.4	18.7
10 8	0 59.64	+35 16.3	2.278	3.186	8.9	18.6
10 18	0 50.08	+34 57.0	2.266	3.185	8.2	18.6
10 28	0 41.28	+34 16.8	2.280	3.185	8.7	18.6
11 7	0 34.11	+33 22.0	2.321	3.184	10.2	18.7
11 17	0 29.17	+32 19.8	2.384	3.184	12.1	18.8

121831 2000 BV_{20} 10 9.0 119°.81 6°.8/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.11	−16 41.2	2.580	3.462	9.4	20.1
9 18	1 12.86	−18 2.1	2.550	3.473	7.7	20.0
9 28	1 6.42	−19 13.5	2.546	3.484	6.8	19.9
10 8	0 59.38	−20 9.9	2.569	3.494	7.2	20.0
10 18	0 52.42	−20 47.0	2.619	3.505	8.6	20.1
10 28	0 46.18	−21 2.9	2.694	3.515	10.4	20.2
11 7	0 41.23	−20 57.8	2.791	3.525	12.2	20.4
11 17	0 37.90	−20 33.5	2.906	3.534	13.7	20.5

36609 2000 QD_{144} 10 9.0 330°.38 1°.0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.65	+ 5 17.4	1.850	2.737	12.2	19.2
9 18	1 14.43	+ 4 47.0	1.783	2.733	8.6	18.9
9 28	1 7.46	+ 4 8.4	1.741	2.728	4.5	18.7
10 8	0 59.49	+ 3 26.4	1.725	2.724	1.0	18.4
10 18	0 51.44	+ 2 46.3	1.737	2.720	4.4	18.7
10 28	0 44.26	+ 2 13.7	1.777	2.716	8.5	18.9
11 7	0 38.75	+ 1 53.1	1.841	2.712	12.1	19.1
11 17	0 35.42	+ 1 46.9	1.927	2.709	15.2	19.3

378547 2008 CU_{43} 10 9.0 179°.64 2°.5/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.73	+ 2 26.7	1.871	2.758	12.1	21.8
9 18	1 16.52	+ 1 21.1	1.810	2.759	8.4	21.6
9 28	1 8.54	+ 0 8.9	1.774	2.761	4.6	21.3
10 8	0 59.60	− 1 3.2	1.767	2.761	2.5	21.2
10 18	0 50.63	− 2 8.2	1.788	2.761	5.6	21.4
10 28	0 42.63	− 2 59.7	1.837	2.760	9.4	21.6
11 7	0 36.38	− 3 33.7	1.911	2.758	12.9	21.9
11 17	0 32.36	− 3 48.6	2.006	2.756	15.8	22.1

96799 1999 RQ_{127} 10 9.0 65°.00 1°.6/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.13	+13 17.6	1.511	2.383	15.3	19.2
9 18	1 16.24	+12 41.2	1.469	2.405	11.1	19.0
9 28	1 8.38	+11 47.5	1.449	2.428	6.4	18.8
10 8	0 59.58	+10 41.8	1.454	2.451	2.0	18.6
10 18	0 50.96	+ 9 31.4	1.487	2.474	4.0	18.8
10 28	0 43.65	+ 8 24.9	1.547	2.497	8.5	19.1
11 7	0 38.45	+ 7 29.3	1.631	2.520	12.4	19.4
11 17	0 35.77	+ 6 49.3	1.737	2.543	15.7	19.7

304156 2006 OU_{19} 10 9.0 1°.46 5°.0/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.35	− 5 59.0	1.340	2.243	14.8	18.8
9 18	1 19.58	− 5 54.5	1.288	2.241	10.7	18.6
9 28	1 10.36	− 5 44.7	1.257	2.240	6.7	18.4
10 8	0 59.79	− 5 24.2	1.252	2.240	5.0	18.3
10 18	0 49.25	− 4 49.2	1.272	2.242	7.9	18.4
10 28	0 40.13	− 3 57.8	1.318	2.244	12.0	18.7
11 7	0 33.47	− 2 50.8	1.386	2.247	16.0	18.9
11 17	0 29.80	− 1 30.5	1.474	2.252	19.3	19.2

156687 2002 KX_{10} 10 9.0 339°.97 9°.8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.80	−23 54.6	2.069	2.930	12.2	19.1
9 18	1 17.83	−24 40.0	2.029	2.927	10.6	19.0
9 28	1 9.17	−25 8.3	2.012	2.924	9.8	19.0
10 8	0 59.68	−25 13.2	2.020	2.922	10.2	19.0
10 18	0 50.30	−24 51.3	2.053	2.919	11.5	19.1
10 28	0 42.03	−24 2.3	2.110	2.917	13.4	19.2
11 7	0 35.57	−22 49.1	2.187	2.915	15.3	19.4
11 17	0 31.36	−21 16.1	2.283	2.913	17.0	19.5

390930 2005 GX_{24} 10 9.0 145°.41 2°.2/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.13	+ 0 25.1	2.381	3.263	10.0	21.8
9 18	1 15.74	− 0 12.7	2.327	3.274	7.0	21.6
9 28	1 8.00	− 0 53.2	2.300	3.284	3.8	21.4
10 8	0 59.57	− 1 31.8	2.301	3.294	2.3	21.4
10 18	0 51.19	− 2 4.4	2.332	3.303	4.6	21.5
10 28	0 43.61	− 2 27.2	2.393	3.312	7.7	21.7
11 7	0 37.45	− 2 37.8	2.480	3.320	10.5	21.9
11 17	0 33.09	− 2 35.2	2.589	3.327	12.9	22.1

475081 2005 UP_{163} 10 9.0 79°.04 0°.7/ 9.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.47	+ 9 55.9	1.488	2.367	15.1	21.3
9 18	1 17.93	+ 9 30.7	1.443	2.386	10.8	21.1
9 28	1 9.33	+ 8 51.7	1.422	2.405	5.9	20.8
10 8	0 59.69	+ 8 3.9	1.426	2.425	1.0	20.6
10 18	0 50.22	+ 7 13.9	1.457	2.444	4.3	20.8
10 28	0 42.10	+ 6 29.0	1.515	2.463	8.9	21.2
11 7	0 36.19	+ 5 55.1	1.598	2.481	13.0	21.5
11 17	0 32.93	+ 5 35.9	1.701	2.500	16.3	21.7

175041 2004 FF_{70} 10 9.0 266°.29 0°.3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.66	+ 9 32.7	2.009	2.883	12.0	20.8
9 18	1 14.43	+ 8 58.1	1.929	2.870	8.6	20.6
9 28	1 7.49	+ 8 11.5	1.874	2.857	4.8	20.4
10 8	0 59.53	+ 7 16.9	1.845	2.844	0.6	20.0
10 18	0 51.40	+ 6 19.5	1.846	2.831	3.7	20.2
10 28	0 44.03	+ 5 25.7	1.874	2.818	7.8	20.5
11 7	0 38.22	+ 4 41.2	1.928	2.804	11.4	20.7
11 17	0 34.50	+ 4 9.8	2.005	2.791	14.6	20.9

26443 2000 AT_{50} 10 9.0 251°.00 6°.3/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.04	− 9 37.2	1.970	2.866	11.1	18.3
9 18	1 14.65	−11 0.8	1.911	2.855	8.4	18.1
9 28	1 7.58	−12 20.7	1.877	2.844	6.5	17.9
10 8	0 59.54	−13 28.9	1.871	2.833	6.7	17.9
10 18	0 51.41	−14 18.7	1.891	2.821	8.9	18.0
10 28	0 44.12	−14 45.6	1.937	2.809	11.7	18.2
11 7	0 38.44	−14 48.2	2.005	2.797	14.5	18.4
11 17	0 34.86	−14 27.8	2.091	2.784	16.8	18.5

307608 2003 QR_{57} 10 9.1 99°.33 3°.6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.49	− 1 44.3	2.239	3.135	10.0	20.0
9 18	1 11.92	− 3 10.0	2.184	3.137	7.0	19.8
9 28	1 6.01	− 4 38.1	2.156	3.138	4.3	19.6
10 8	0 59.38	− 6 1.9	2.156	3.140	3.8	19.6
10 18	0 52.75	− 7 15.1	2.185	3.142	6.1	19.8
10 28	0 46.84	− 8 12.4	2.242	3.144	9.0	19.9
11 7	0 42.26	− 8 50.8	2.323	3.146	11.7	20.1
11 17	0 39.42	− 9 9.7	2.425	3.148	14.0	20.3

427698 2004 FH_{30} 10 9.1 189°.01 9°.5/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.58	−22 26.0	2.101	2.959	12.1	22.0
9 18	1 20.49	−23 29.6	2.059	2.959	10.4	21.9
9 28	1 10.61	−24 17.2	2.042	2.957	9.5	21.8
10 8	0 59.83	−24 41.8	2.051	2.955	9.9	21.9
10 18	0 49.15	−24 39.4	2.086	2.952	11.4	21.9
10 28	0 39.61	−24 9.0	2.145	2.948	13.4	22.1
11 7	0 31.97	−23 13.3	2.225	2.943	15.3	22.2
11 17	0 26.69	−21 56.6	2.323	2.937	17.1	22.4

428579 2008 DE_{87} 10 9.1 143°.93 0°.5/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.12	+ 9 52.3	1.728	2.600	13.7	22.0
9 18	1 17.62	+ 9 20.0	1.669	2.609	9.8	21.8
9 28	1 9.18	+ 8 34.8	1.634	2.617	5.4	21.6
10 8	0 59.71	+ 7 41.2	1.626	2.625	0.8	21.3
10 18	0 50.25	+ 6 45.2	1.646	2.632	4.0	21.6
10 28	0 41.90	+ 5 53.9	1.694	2.638	8.4	21.8
11 7	0 35.49	+ 5 13.2	1.768	2.644	12.3	22.1
11 17	0 31.52	+ 4 46.7	1.863	2.650	15.5	22.3

293961 2007 TR_{41} 10 9.1 6°.44 0°.3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.47	+10 9.4	1.568	2.452	14.1	20.8
9 18	1 13.83	+ 9 22.6	1.507	2.453	10.1	20.6
9 28	1 7.23	+ 8 20.7	1.468	2.453	5.5	20.3
10 8	0 59.53	+ 7 9.2	1.455	2.454	0.7	20.0
10 18	0 51.77	+ 5 55.8	1.470	2.456	4.3	20.3
10 28	0 45.06	+ 4 48.9	1.510	2.458	8.9	20.5
11 7	0 40.26	+ 3 55.5	1.575	2.460	13.0	20.8
11 17	0 37.88	+ 3 19.7	1.661	2.463	16.4	21.0

517413 2014 LD_{30} 10 9.1 48°.02 4°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.74	+21 7.0	2.081	2.909	13.4	20.6
9 18	1 13.71	+20 55.0	2.012	2.914	10.5	20.4
9 28	1 7.06	+20 23.7	1.966	2.920	7.3	20.2
10 8	0 59.51	+19 35.0	1.945	2.925	4.7	20.1
10 18	0 51.92	+18 32.9	1.952	2.931	4.4	20.1
10 28	0 45.17	+17 23.6	1.987	2.937	6.9	20.2
11 7	0 40.01	+16 14.3	2.049	2.943	10.0	20.4
11 17	0 36.89	+15 11.4	2.134	2.949	12.8	20.6

452767 2006 CD_{37} 10 9.1 252°.71 3°.8/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.00	+19 46.7	2.479	3.300	11.7	21.7
9 18	1 15.23	+19 57.5	2.390	3.288	9.2	21.5
9 28	1 7.89	+19 53.5	2.324	3.277	6.5	21.3
10 8	0 59.60	+19 35.2	2.286	3.265	4.2	21.1
10 18	0 51.11	+19 4.8	2.277	3.254	4.2	21.1
10 28	0 43.26	+18 26.2	2.297	3.242	6.4	21.3
11 7	0 36.75	+17 44.7	2.344	3.229	9.3	21.4
11 17	0 32.13	+17 5.6	2.415	3.217	11.9	21.6

94963 2001 YP_{104} 10 9.1 315°.64 2°.4/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.33	+ 3 17.7	1.504	2.402	13.8	19.5
9 18	1 15.24	+ 2 20.6	1.442	2.397	9.6	19.2
9 28	1 8.04	+ 1 14.7	1.403	2.391	5.2	19.0
10 8	0 59.64	+ 0 7.3	1.390	2.386	2.5	18.8
10 18	0 51.13	− 0 53.5	1.404	2.381	6.0	19.0
10 28	0 43.71	− 1 40.0	1.443	2.377	10.6	19.2
11 7	0 38.30	− 2 7.2	1.506	2.372	14.6	19.5
11 17	0 35.45	− 2 13.3	1.588	2.368	18.0	19.7

445949 2013 AX_{70} 10 9.1 237°.61 1°.3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.81	+12 20.5	2.106	2.966	12.0	21.7
9 18	1 15.20	+11 58.7	2.025	2.957	8.8	21.5
9 28	1 7.91	+11 23.8	1.970	2.948	5.2	21.3
10 8	0 59.63	+10 38.8	1.942	2.938	1.7	21.0
10 18	0 51.19	+ 9 48.1	1.942	2.929	3.4	21.1
10 28	0 43.52	+ 8 57.4	1.972	2.919	7.2	21.3
11 7	0 37.38	+ 8 12.4	2.028	2.908	10.7	21.5
11 17	0 33.29	+ 7 37.7	2.106	2.898	13.8	21.7

135896 2002 TG_{76} 10 9.1 81°.08 2°.2/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.10	+14 29.1	1.826	2.685	13.6	19.6
9 18	1 15.46	+14 10.8	1.765	2.694	10.1	19.4
9 28	1 8.03	+13 36.6	1.728	2.703	6.2	19.2
10 8	0 59.63	+12 49.6	1.717	2.711	2.6	19.0
10 18	0 51.23	+11 54.9	1.734	2.720	3.7	19.1
10 28	0 43.82	+10 59.3	1.779	2.729	7.5	19.4
11 7	0 38.20	+10 9.3	1.849	2.738	11.2	19.6
11 17	0 34.85	+ 9 30.0	1.942	2.746	14.3	19.8

450076 2015 RP_{58} 10 9.1 58°.32 1°.0/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.53	+ 6 19.1	1.904	2.790	12.0	21.3
9 18	1 13.56	+ 5 25.2	1.846	2.795	8.4	21.1
9 28	1 6.98	+ 4 22.1	1.812	2.799	4.4	20.9
10 8	0 59.54	+ 3 15.2	1.806	2.804	1.0	20.7
10 18	0 52.10	+ 2 11.1	1.828	2.810	4.3	20.9
10 28	0 45.54	+ 1 16.1	1.878	2.815	8.3	21.2
11 7	0 40.59	+ 0 35.0	1.953	2.820	11.7	21.4
11 17	0 37.69	+ 0 10.3	2.049	2.825	14.6	21.6

403387 2009 QQ_{13} 10 9.1 16°.02 6°.3/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.70	+22 3.9	1.717	2.544	15.8	19.6
9 18	1 17.63	+22 58.1	1.653	2.549	12.7	19.4
9 28	1 9.36	+23 32.0	1.611	2.555	9.5	19.2
10 8	0 59.79	+23 44.0	1.592	2.562	6.9	19.1
10 18	0 50.04	+23 35.4	1.600	2.569	6.6	19.1
10 28	0 41.36	+23 11.1	1.634	2.577	8.8	19.2
11 7	0 34.73	+22 38.6	1.693	2.586	11.8	19.4
11 17	0 30.77	+22 5.1	1.774	2.595	14.7	19.6

14961 d′Auteroche 10 9.1 44°.68 2°.4/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.85	+ 2 46.0	1.263	2.166	15.5	17.4
9 18	1 17.04	+ 2 6.1	1.224	2.181	10.8	17.2
9 28	1 8.95	+ 1 19.2	1.207	2.196	5.7	17.0
10 8	0 59.73	+ 0 32.8	1.214	2.211	2.5	16.8
10 18	0 50.69	− 0 5.4	1.247	2.227	6.3	17.1
10 28	0 43.13	− 0 28.8	1.305	2.243	11.0	17.4
11 7	0 37.95	− 0 34.0	1.385	2.260	15.1	17.7
11 17	0 35.59	− 0 20.2	1.484	2.277	18.5	18.0

353080 2009 DE_{104} 10 9.1 167°.52 1°.1/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.44	+11 4.2	2.392	3.248	10.9	21.8
9 18	1 16.09	+10 52.3	2.322	3.252	7.9	21.6
9 28	1 8.29	+10 30.3	2.277	3.256	4.6	21.4
10 8	0 59.68	+10 0.8	2.262	3.259	1.3	21.2
10 18	0 51.02	+ 9 27.3	2.276	3.261	3.1	21.4
10 28	0 43.11	+ 8 54.1	2.320	3.264	6.5	21.6
11 7	0 36.62	+ 8 25.5	2.391	3.265	9.6	21.8
11 17	0 32.00	+ 8 5.0	2.486	3.267	12.2	22.0

521808 2015 TT_{139} 10 9.1 278°.99 6°.4/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.20	−12 49.1	2.221	3.112	10.3	21.4
9 18	1 13.91	−13 54.6	2.167	3.104	8.0	21.2
9 28	1 7.14	−14 53.4	2.138	3.096	6.6	21.1
10 8	0 59.56	−15 39.2	2.136	3.088	6.8	21.1
10 18	0 51.95	−16 6.9	2.162	3.080	8.6	21.2
10 28	0 45.12	−16 13.5	2.212	3.072	11.0	21.3
11 7	0 39.72	−15 58.6	2.285	3.064	13.3	21.5
11 17	0 36.20	−15 23.8	2.377	3.056	15.3	21.7

331140 2010 VL_{165} 10 9.1 221°.41 3°.2/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.82	+16 37.6	1.489	2.349	16.1	21.0
9 18	1 17.15	+16 20.2	1.420	2.347	12.2	20.7
9 28	1 9.15	+15 40.8	1.373	2.345	7.8	20.5
10 8	0 59.78	+14 42.3	1.350	2.342	3.8	20.3
10 18	0 50.25	+13 30.8	1.354	2.340	4.6	20.3
10 28	0 41.89	+12 15.6	1.384	2.338	8.9	20.6
11 7	0 35.74	+11 6.1	1.439	2.335	13.3	20.8
11 17	0 32.39	+10 9.8	1.515	2.332	17.0	21.0

374774 2006 SF_{356} 10 9.1 25°.95 2°.2/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.53	+ 5 2.9	0.841	1.765	18.9	19.4
9 18	1 14.55	+ 4 10.0	0.815	1.781	13.1	19.2
9 28	1 7.77	+ 3 4.6	0.808	1.800	6.8	18.9
10 8	0 59.62	+ 1 57.9	0.822	1.820	2.2	18.7
10 18	0 51.80	+ 1 1.5	0.857	1.841	7.1	19.1
10 28	0 45.86	+ 0 24.9	0.914	1.864	12.7	19.5
11 7	0 42.77	+ 0 12.6	0.990	1.889	17.5	19.9
11 17	0 42.89	+ 0 24.7	1.083	1.915	21.4	20.2

71386 2000 AE_{153} 10 9.1 158.°46 1.°6/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.43	+14 14.2	2.713	3.559	10.1	19.9
9 18	1 13.16	+13 51.6	2.641	3.564	7.5	19.7
9 28	1 6.68	+13 17.7	2.595	3.568	4.6	19.5
10 8	0 59.53	+12 35.1	2.578	3.572	1.9	19.4
10 18	0 52.35	+11 47.1	2.590	3.575	2.8	19.4
10 28	0 45.80	+10 58.2	2.632	3.578	5.6	19.6
11 7	0 40.43	+10 12.8	2.701	3.581	8.4	19.8
11 17	0 36.65	+ 9 34.5	2.796	3.584	10.8	20.0

360162 2013 CJ_{71} 10 9.1 358.°43 4.°0/ 1.3 18

9 8	1 11.94	−11 5.6	3.664	4.554	6.6	19.7
9 18	1 8.39	−12 12.9	3.615	4.553	5.1	19.6
9 28	1 4.04	−13 16.8	3.594	4.553	4.1	19.5
10 8	0 59.27	−14 13.3	3.601	4.552	4.3	19.6
10 18	0 54.48	−14 59.4	3.637	4.552	5.6	19.6
10 28	0 50.10	−15 32.6	3.701	4.552	7.2	19.8
11 7	0 46.49	−15 51.8	3.788	4.552	8.7	19.9
11 17	0 43.95	−15 56.8	3.897	4.552	10.1	20.0

47264 1999 VV_{93} 10 9.1 223.°54 0.°7/ 9.7 18

9 8	1 22.67	+11 2.8	1.720	2.591	13.8	19.6
9 18	1 16.80	+10 21.3	1.645	2.584	10.0	19.4
9 28	1 8.89	+ 9 24.1	1.593	2.576	5.6	19.1
10 8	0 59.76	+ 8 15.9	1.568	2.567	1.0	18.8
10 18	0 50.46	+ 7 3.4	1.572	2.558	4.1	19.0
10 28	0 42.13	+ 5 54.6	1.603	2.548	8.7	19.2
11 7	0 35.69	+ 4 56.8	1.659	2.538	12.8	19.5
11 17	0 31.72	+ 4 15.0	1.736	2.527	16.3	19.7

142765 2002 UX_{4} 10 9.1 321.°51 5.°3/ 2.7 18

9 8	1 14.93	− 0 23.8	1.550	2.460	12.7	19.0
9 18	1 11.45	− 3 2.1	1.483	2.443	9.0	18.7
9 28	1 6.04	− 5 51.2	1.442	2.426	5.8	18.5
10 8	0 59.48	− 8 37.4	1.429	2.410	6.0	18.5
10 18	0 52.74	−11 6.6	1.444	2.394	9.3	18.6
10 28	0 46.89	−13 7.3	1.485	2.379	13.3	18.8
11 7	0 42.82	−14 33.2	1.547	2.364	16.9	19.0
11 17	0 41.11	−15 23.5	1.628	2.350	19.9	19.2

385341 2002 JW_{121} 10 9.1 146.°11 7.°9/ 1.1 18

9 8	1 23.05	−15 47.4	1.978	2.863	11.6	21.1
9 18	1 16.64	−17 3.3	1.942	2.870	9.4	21.0
9 28	1 8.60	−18 8.2	1.930	2.877	8.0	20.9
10 8	0 59.73	−18 54.8	1.945	2.883	8.4	20.9
10 18	0 50.97	−19 18.1	1.986	2.889	10.1	21.0
10 28	0 43.24	−19 15.8	2.052	2.894	12.4	21.2
11 7	0 37.26	−18 49.2	2.139	2.899	14.7	21.4
11 17	0 33.44	−18 1.3	2.244	2.904	16.6	21.6

97571 2000 DS_{103} 10 9.1 56.°61 0.°9/ 9.9 18

9 8	1 21.62	+ 9 31.4	2.187	3.053	11.4	18.9
9 18	1 15.60	+ 9 32.9	2.125	3.061	8.2	18.7
9 28	1 8.05	+ 9 25.3	2.089	3.070	4.6	18.5
10 8	0 59.68	+ 9 11.1	2.081	3.079	1.1	18.3
10 18	0 51.30	+ 8 53.5	2.102	3.088	3.2	18.5
10 28	0 43.75	+ 8 36.6	2.151	3.097	6.8	18.7
11 7	0 37.71	+ 8 24.1	2.227	3.106	10.0	18.9
11 17	0 33.63	+ 8 19.1	2.327	3.115	12.7	19.2

236926 2007 TP_{189} 10 9.1 160.°84 2.°6/11.5 18

9 8	1 24.79	+14 59.2	2.097	2.941	12.7	21.3
9 18	1 17.97	+15 5.1	2.027	2.946	9.5	21.1
9 28	1 9.40	+14 57.2	1.981	2.950	6.0	20.9
10 8	0 59.83	+14 37.0	1.963	2.954	3.0	20.7
10 18	0 50.17	+14 7.6	1.974	2.958	3.7	20.8
10 28	0 41.41	+13 34.0	2.014	2.961	7.1	21.0
11 7	0 34.33	+13 1.8	2.081	2.964	10.4	21.2
11 17	0 29.45	+12 35.5	2.172	2.966	13.3	21.4

28993 2001 NA_{6} 10 9.1 146.°07 0.°5/ 8.6 18

9 8	1 23.18	+ 7 43.5	1.813	2.690	12.9	20.1
9 18	1 16.88	+ 6 55.4	1.755	2.699	9.1	19.9
9 28	1 8.80	+ 5 56.4	1.722	2.707	4.8	19.7
10 8	0 59.76	+ 4 52.0	1.717	2.716	0.6	19.4
10 18	0 50.75	+ 3 48.6	1.740	2.723	4.3	19.7
10 28	0 42.79	+ 2 53.2	1.791	2.730	8.5	19.9
11 7	0 36.64	+ 2 10.9	1.868	2.736	12.1	20.2
11 17	0 32.80	+ 1 44.8	1.967	2.742	15.2	20.4

319365 2006 DR_{44} 10 9.1 188.°41 0.°0/ 9.1 18

9 8	1 18.48	+ 8 13.6	2.649	3.517	9.6	21.8
9 18	1 13.22	+ 7 42.5	2.577	3.516	6.8	21.6
9 28	1 6.73	+ 7 3.5	2.532	3.515	3.7	21.4
10 8	0 59.56	+ 6 19.9	2.515	3.514	0.4	21.1
10 18	0 52.34	+ 5 35.6	2.528	3.512	3.0	21.3
10 28	0 45.73	+ 4 54.6	2.571	3.510	6.2	21.6
11 7	0 40.32	+ 4 20.9	2.641	3.508	9.0	21.7
11 17	0 36.49	+ 3 57.1	2.735	3.506	11.5	21.9

319055 2005 WZ_{7} 10 9.1 258.°62 3.°1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.52	+18 38.5	2.203	3.039	12.5	20.7
9 18	1 13.56	+18 16.5	2.124	3.035	9.6	20.5
9 28	1 7.03	+17 37.3	2.068	3.031	6.4	20.3
10 8	0 59.60	+16 43.1	2.039	3.026	3.6	20.1
10 18	0 52.06	+15 38.0	2.039	3.022	3.7	20.1
10 28	0 45.27	+14 28.0	2.067	3.017	6.6	20.3
11 7	0 39.94	+13 20.0	2.122	3.013	9.8	20.5
11 17	0 36.56	+12 19.6	2.201	3.008	12.7	20.7

305278 2007 YE_{62} 10 9.1 131.°87 3.°0/ 6.2 18

9 8	1 20.35	− 0 16.8	1.929	2.823	11.5	20.8
9 18	1 14.85	− 1 7.3	1.872	2.824	8.0	20.6
9 28	1 7.70	− 2 1.0	1.840	2.826	4.6	20.4
10 8	0 59.67	− 2 51.9	1.836	2.827	3.1	20.3
10 18	0 51.63	− 3 34.3	1.859	2.829	5.8	20.5
10 28	0 44.49	− 4 3.0	1.910	2.830	9.3	20.7
11 7	0 38.97	− 4 15.4	1.985	2.831	12.5	20.9
11 17	0 35.54	− 4 10.6	2.081	2.832	15.2	21.1

511423 2014 HG_{181} 10 9.1 144.°03 4.°3/ 4.4 18

9 8	1 20.10	− 4 40.0	2.097	2.991	10.6	21.4
9 18	1 14.53	− 5 46.8	2.047	2.997	7.6	21.2
9 28	1 7.48	− 6 52.8	2.023	3.002	5.0	21.0
10 8	0 59.65	− 7 51.6	2.027	3.007	4.5	21.0
10 18	0 51.85	− 8 37.8	2.060	3.012	6.7	21.2
10 28	0 44.91	− 9 6.8	2.119	3.017	9.7	21.4
11 7	0 39.48	− 9 17.1	2.202	3.021	12.4	21.6
11 17	0 35.99	− 9 8.8	2.306	3.025	14.8	21.7

421970 2014 QO_{288} 10 9.1 4.°45 8.°9/28.9 18

9 8	1 18.86	−19 39.9	2.037	2.920	11.4	19.9
9 18	1 13.75	−20 59.7	2.002	2.920	9.7	19.8
9 28	1 7.08	−22 6.0	1.991	2.921	8.9	19.7
10 8	0 59.61	−22 51.8	2.006	2.921	9.5	19.8
10 18	0 52.20	−23 12.2	2.044	2.922	11.0	19.9
10 28	0 45.70	−23 5.4	2.106	2.924	13.1	20.0
11 7	0 40.80	−22 32.9	2.187	2.925	15.0	20.2
11 17	0 37.92	−21 37.8	2.286	2.927	16.7	20.3

80774 2000 CD_{64} 10 9.1 311.°46 13.°2/15.6 17

9 8	1 34.54	+33 56.8	1.702	2.446	19.2	19.4
9 18	1 26.58	+36 18.9	1.609	2.424	17.1	19.2
9 28	1 14.98	+38 19.0	1.536	2.402	15.1	19.0
10 8	1 0.49	+39 47.5	1.486	2.381	13.6	18.8
10 18	0 44.56	+40 36.9	1.459	2.359	13.2	18.8
10 28	0 29.24	+40 46.6	1.457	2.339	14.2	18.8
11 7	0 16.49	+40 24.0	1.476	2.318	16.2	18.8
11 17	0 7.65	+39 41.1	1.516	2.299	18.6	19.0

315192 2007 PG_{27} 10 9.1 2.°97 6.°2/ 5.6 18

9 8	1 21.02	− 3 41.1	0.887	1.815	17.9	19.6
9 18	1 16.56	− 4 27.7	0.846	1.812	12.8	19.3
9 28	1 9.05	− 5 13.8	0.824	1.812	8.0	19.0
10 8	0 59.83	− 5 48.0	0.823	1.812	6.4	19.0
10 18	0 50.63	− 6 0.8	0.842	1.814	10.1	19.2
10 28	0 43.21	− 5 46.3	0.883	1.818	15.2	19.5
11 7	0 38.79	− 5 4.2	0.941	1.823	19.8	19.8
11 17	0 37.89	− 3 57.8	1.015	1.830	23.7	20.1

440869 2006 SE_{411} 10 9.1 342.°53 0.°2/ 9.3 18

9 8	1 18.46	+ 9 33.5	1.667	2.550	13.5	21.2
9 18	1 13.82	+ 8 53.9	1.600	2.545	9.7	21.0
9 28	1 7.28	+ 8 0.4	1.556	2.541	5.3	20.7
10 8	0 59.65	+ 6 58.2	1.538	2.537	0.6	20.4
10 18	0 51.92	+ 5 53.9	1.547	2.534	4.1	20.6
10 28	0 45.13	+ 4 55.1	1.584	2.530	8.6	20.9
11 7	0 40.15	+ 4 8.3	1.644	2.528	12.6	21.1
11 17	0 37.50	+ 3 37.7	1.726	2.526	16.0	21.4

443440 2014 HG_{149} 10 9.1 345.°09 1.°8/10.8 18

9 8	1 19.25	+13 55.7	1.752	2.618	13.8	20.7
9 18	1 14.32	+13 23.3	1.683	2.616	10.2	20.5
9 28	1 7.53	+12 33.7	1.637	2.615	6.1	20.2
10 8	0 59.68	+11 31.1	1.617	2.613	2.2	20.0
10 18	0 51.74	+10 21.2	1.625	2.612	3.8	20.1
10 28	0 44.74	+ 9 11.9	1.660	2.611	7.9	20.3
11 7	0 39.52	+ 8 10.6	1.720	2.610	11.8	20.6
11 17	0 36.60	+ 7 22.7	1.803	2.610	15.1	20.8

339294 2004 XT_{44} 10 9.1 17.°73 1.°0/ 9.8 18

9 8	1 19.78	+10 8.7	1.168	2.066	17.0	18.9
9 18	1 15.19	+ 9 52.9	1.121	2.072	12.2	18.7
9 28	1 8.14	+ 9 20.1	1.094	2.080	6.9	18.4
10 8	0 59.74	+ 8 35.7	1.091	2.089	1.4	18.1
10 18	0 51.37	+ 7 47.3	1.111	2.099	4.8	18.3
10 28	0 44.44	+ 7 3.8	1.156	2.111	10.1	18.7
11 7	0 39.95	+ 6 32.7	1.222	2.123	14.8	19.0
11 17	0 38.41	+ 6 18.2	1.308	2.136	18.6	19.3

358827 2008 EH_{156} 10 9.1 70°.54 4°.0/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.41	+18 58.4	2.001	2.835	13.6	20.3
9 18	1 16.38	+19 11.5	1.937	2.844	10.6	20.1
9 28	1 8.58	+19 7.5	1.895	2.853	7.2	19.9
10 8	0 59.80	+18 47.2	1.880	2.862	4.5	19.7
10 18	0 50.95	+18 13.9	1.892	2.872	4.5	19.8
10 28	0 43.04	+17 32.7	1.933	2.881	7.2	20.0
11 7	0 36.85	+16 50.1	1.999	2.890	10.4	20.2
11 17	0 32.88	+16 11.9	2.089	2.899	13.2	20.4

118950 2000 WG_{89} 10 9.1 320°.44 5°.1/ 4.8 18

9 8	1 22.15	− 7 2.4	1.818	2.715	11.9	19.4
9 18	1 16.30	− 7 36.4	1.754	2.703	8.7	19.2
9 28	1 8.59	− 8 7.1	1.715	2.692	5.9	19.0
10 8	0 59.81	− 8 28.3	1.702	2.681	5.3	18.9
10 18	0 50.93	− 8 34.9	1.716	2.671	7.6	19.1
10 28	0 42.99	− 8 23.5	1.756	2.660	10.9	19.2
11 7	0 36.82	− 7 53.2	1.819	2.651	14.1	19.4
11 17	0 32.95	− 7 5.1	1.903	2.641	16.9	19.6

440383 2005 EK_{126} 10 9.1 114°.46 0°.6/ 8.4 18

9 8	1 20.12	+ 7 34.7	2.082	2.958	11.5	21.3
9 18	1 14.54	+ 6 36.8	2.029	2.973	8.0	21.1
9 28	1 7.48	+ 5 29.5	2.002	2.988	4.2	20.9
10 8	0 59.69	+ 4 18.2	2.003	3.002	0.7	20.6
10 18	0 51.96	+ 3 8.9	2.033	3.016	3.9	20.9
10 28	0 45.12	+ 2 7.8	2.093	3.029	7.6	21.2
11 7	0 39.82	+ 1 19.5	2.178	3.042	10.8	21.4
11 17	0 36.45	+ 0 46.5	2.286	3.054	13.5	21.6

67274 2000 FA_{41} 10 9.1 252°.85 2°.4/ 6.7 18

9 8	1 21.32	+ 1 2.8	2.096	2.983	11.0	19.3
9 18	1 15.58	+ 0 19.8	2.019	2.968	7.7	19.0
9 28	1 8.18	− 0 27.9	1.967	2.953	4.3	18.8
10 8	0 59.77	− 1 15.2	1.943	2.937	2.5	18.7
10 18	0 51.20	− 1 56.7	1.948	2.921	5.2	18.8
10 28	0 43.38	− 2 27.3	1.982	2.905	8.8	19.0
11 7	0 37.06	− 2 43.6	2.040	2.888	12.1	19.2
11 17	0 32.78	− 2 43.9	2.120	2.871	15.0	19.4

49775 1999 WO_{13} 10 9.1 66°.18 1°.3/ 8.0 18

9 8	1 22.21	+ 6 30.1	1.325	2.220	15.4	18.4
9 18	1 16.61	+ 5 32.6	1.280	2.233	10.8	18.2
9 28	1 8.79	+ 4 22.9	1.257	2.245	5.7	17.9
10 8	0 59.82	+ 3 9.0	1.259	2.258	1.3	17.7
10 18	0 50.97	+ 1 59.8	1.288	2.270	5.5	18.0
10 28	0 43.50	+ 1 4.1	1.342	2.283	10.4	18.3
11 7	0 38.31	+ 0 27.4	1.418	2.296	14.7	18.6
11 17	0 35.88	+ 0 12.0	1.515	2.309	18.1	18.9

488176 2015 XO_{69} 10 9.1 6°.25 11°.6/28.7 17

9 8	1 21.02	−23 29.1	1.611	2.492	14.0	20.0
9 18	1 15.55	−24 39.3	1.583	2.493	12.3	19.9
9 28	1 8.13	−25 28.7	1.576	2.495	11.6	19.9
10 8	0 59.75	−25 49.5	1.592	2.498	12.1	19.9
10 18	0 51.53	−25 37.3	1.630	2.501	13.7	20.0
10 28	0 44.58	−24 51.9	1.689	2.506	15.8	20.2
11 7	0 39.67	−23 37.2	1.766	2.512	17.8	20.4
11 17	0 37.22	−21 58.8	1.860	2.518	19.6	20.5

143790 2003 WE_{96} 10 9.1 193°.46 1°.2/10.2 18

9 8	1 22.79	+12 25.0	1.568	2.439	14.9	20.5
9 18	1 17.00	+11 46.8	1.501	2.439	10.8	20.3
9 28	1 9.05	+10 50.9	1.457	2.437	6.2	20.0
10 8	0 59.87	+ 9 42.1	1.438	2.436	1.7	19.7
10 18	0 50.57	+ 8 27.4	1.447	2.434	4.2	19.9
10 28	0 42.39	+ 7 15.7	1.484	2.432	8.9	20.2
11 7	0 36.28	+ 6 15.0	1.544	2.430	13.2	20.4
11 17	0 32.79	+ 5 30.7	1.626	2.427	16.8	20.7

243066 2007 GX_{17} 10 9.1 101°.19 2°.0/ 7.2 18

9 8	1 24.07	− 0 35.1	2.472	3.350	9.8	20.4
9 18	1 17.08	− 0 43.2	2.421	3.366	6.9	20.3
9 28	1 8.79	− 0 52.3	2.397	3.381	3.8	20.1
10 8	0 59.84	− 0 59.3	2.402	3.396	2.0	20.0
10 18	0 50.97	− 1 1.3	2.437	3.410	4.3	20.2
10 28	0 42.93	− 0 55.8	2.503	3.425	7.2	20.4
11 7	0 36.32	− 0 41.2	2.595	3.439	10.0	20.6
11 17	0 31.50	− 0 17.0	2.710	3.453	12.2	20.8

343526 2010 EF_{133} 10 9.1 160°.19 1°.4/ 7.7 18

9 8	1 21.91	+ 4 13.7	2.086	2.967	11.3	21.6
9 18	1 15.87	+ 3 33.2	2.026	2.972	7.9	21.4
9 28	1 8.25	+ 2 46.2	1.990	2.977	4.2	21.1
10 8	0 59.79	+ 1 57.4	1.983	2.981	1.4	20.9
10 18	0 51.32	+ 1 12.0	2.006	2.984	4.3	21.2
10 28	0 43.72	+ 0 35.3	2.056	2.988	8.0	21.4
11 7	0 37.68	+ 0 10.8	2.133	2.990	11.3	21.6
11 17	0 33.66	+ 0 0.6	2.231	2.993	14.0	21.8

120302 2004 JA_{36} 10 9.1 108°.99 0°.6/ 8.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.03	+ 8 2.9	1.714	2.593	13.4	21.5
9 18	1 16.79	+ 7 6.7	1.667	2.611	9.4	21.3
9 28	1 8.76	+ 5 59.2	1.643	2.629	5.0	21.1
10 8	0 59.84	+ 4 46.5	1.647	2.646	0.6	20.8
10 18	0 51.04	+ 3 36.1	1.680	2.663	4.4	21.1
10 28	0 43.40	+ 2 35.0	1.740	2.679	8.6	21.4
11 7	0 37.65	+ 1 48.7	1.825	2.695	12.3	21.7
11 17	0 34.24	+ 1 19.8	1.932	2.710	15.3	21.9

381101 2007 CX_{34} 10 9.1 294°.29 2°.4/10.9 18

9 8	1 21.02	+14 28.0	1.453	2.324	15.8	20.8
9 18	1 16.15	+14 5.4	1.368	2.303	11.9	20.5
9 28	1 8.82	+13 21.6	1.304	2.282	7.3	20.2
10 8	0 59.88	+12 19.3	1.265	2.261	2.9	19.9
10 18	0 50.52	+11 4.8	1.252	2.239	4.5	19.9
10 28	0 42.13	+ 9 47.6	1.265	2.218	9.6	20.2
11 7	0 35.88	+ 8 37.9	1.301	2.197	14.4	20.4
11 17	0 32.54	+ 7 43.4	1.358	2.177	18.5	20.6

413115 2001 VR_{133} 10 9.1 337°.05 3°.3/ 5.1 18

9 8	1 15.84	− 1 34.9	2.214	3.111	10.0	20.7
9 18	1 11.58	− 2 42.3	2.152	3.105	7.0	20.5
9 28	1 5.96	− 3 52.4	2.116	3.100	4.2	20.4
10 8	0 59.57	− 4 59.0	2.107	3.094	3.5	20.3
10 18	0 53.12	− 5 56.4	2.128	3.089	5.8	20.5
10 28	0 47.37	− 6 39.6	2.175	3.085	8.8	20.6
11 7	0 42.93	− 7 5.7	2.247	3.081	11.7	20.8
11 17	0 40.23	− 7 13.7	2.339	3.077	14.1	21.0

319100 2005 WN_{166} 10 9.1 317°.92 1°.6/ 7.5 18

9 8	1 18.69	+ 3 46.4	2.008	2.896	11.3	20.6
9 18	1 13.72	+ 3 5.0	1.940	2.891	7.9	20.4
9 28	1 7.16	+ 2 16.9	1.898	2.885	4.2	20.2
10 8	0 59.69	+ 1 27.0	1.883	2.880	1.6	20.0
10 18	0 52.14	+ 0 40.8	1.896	2.874	4.6	20.2
10 28	0 45.38	+ 0 3.8	1.936	2.869	8.3	20.4
11 7	0 40.14	− 0 20.1	2.002	2.865	11.7	20.6
11 17	0 36.89	− 0 28.8	2.090	2.860	14.6	20.8

273605 2007 CY_{63} 10 9.1 209°.63 1°.2/ 8.1 18

9 8	1 23.01	+ 5 26.4	1.827	2.709	12.6	21.2
9 18	1 16.91	+ 4 45.4	1.758	2.705	8.9	21.0
9 28	1 8.94	+ 3 55.3	1.713	2.700	4.7	20.7
10 8	0 59.87	+ 3 1.3	1.696	2.695	1.2	20.5
10 18	0 50.70	+ 2 9.6	1.708	2.689	4.7	20.7
10 28	0 42.46	+ 1 26.5	1.747	2.682	8.9	21.0
11 7	0 36.01	+ 0 56.7	1.811	2.676	12.6	21.2
11 17	0 31.87	+ 0 43.0	1.897	2.668	15.8	21.4

156802 2003 BL_{25} 10 9.1 272°.13 1°.6/10.5 18

9 8	1 21.00	+13 21.9	1.633	2.502	14.5	20.7
9 18	1 15.84	+12 44.9	1.551	2.487	10.7	20.4
9 28	1 8.51	+11 49.0	1.492	2.471	6.3	20.1
10 8	0 59.85	+10 38.0	1.458	2.455	2.0	19.8
10 18	0 50.90	+ 9 18.6	1.451	2.439	4.1	19.9
10 28	0 42.88	+ 7 59.7	1.472	2.422	8.8	20.2
11 7	0 36.79	+ 6 50.1	1.517	2.405	13.2	20.4
11 17	0 33.28	+ 5 56.2	1.584	2.389	17.0	20.6

16808 1997 TV_{26} 10 9.1 235°.27 1°.0/ 8.2 18 R

9 8	1 22.64	+ 5 55.3	1.852	2.733	12.5	18.7
9 18	1 16.69	+ 5 16.2	1.776	2.722	8.8	18.4
9 28	1 8.85	+ 4 27.4	1.726	2.712	4.7	18.2
10 8	0 59.88	+ 3 34.0	1.702	2.701	1.0	17.9
10 18	0 50.73	+ 2 41.8	1.707	2.689	4.5	18.1
10 28	0 42.46	+ 1 57.3	1.740	2.677	8.8	18.3
11 7	0 35.93	+ 1 25.6	1.799	2.665	12.6	18.6
11 17	0 31.70	+ 1 9.7	1.878	2.652	15.9	18.7

221021 2005 QY_{3} 10 9.1 88°.06 1°.1/ 8.2 18

9 8	1 23.67	+ 6 16.2	1.496	2.384	14.5	20.2
9 18	1 17.42	+ 5 27.2	1.452	2.401	10.1	20.0
9 28	1 9.16	+ 4 27.8	1.431	2.418	5.3	19.7
10 8	0 59.89	+ 3 24.8	1.436	2.435	1.1	19.5
10 18	0 50.78	+ 2 25.8	1.469	2.452	5.0	19.8
10 28	0 42.97	+ 1 38.0	1.529	2.468	9.6	20.1
11 7	0 37.29	+ 1 6.4	1.612	2.484	13.5	20.4
11 17	0 34.19	+ 0 53.0	1.716	2.500	16.7	20.7

514486 2016 WJ_{4} 10 9.1 336°.48 1°.0/10.0 18

9 8	1 18.92	+12 4.6	1.608	2.485	14.2	20.5
9 18	1 14.24	+11 22.1	1.540	2.481	10.4	20.3
9 28	1 7.57	+10 22.4	1.495	2.477	5.9	20.0
10 8	0 59.75	+ 9 10.6	1.475	2.474	1.4	19.7
10 18	0 51.82	+ 7 53.7	1.483	2.470	4.0	19.9
10 28	0 44.88	+ 6 40.6	1.517	2.467	8.6	20.2
11 7	0 39.84	+ 5 38.8	1.576	2.465	12.8	20.4
11 17	0 37.22	+ 4 53.6	1.656	2.462	16.3	20.6

96970 1999 TO_{192} 10 9.1 14°.95 4°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.91	+20 17.0	1.637	2.479	15.8	19.1
9 18	1 15.69	+20 13.4	1.569	2.480	12.3	18.9
9 28	1 8.37	+19 47.1	1.522	2.481	8.5	18.7
10 8	0 59.83	+18 59.7	1.499	2.483	5.3	18.5
10 18	0 51.17	+17 55.8	1.503	2.484	5.1	18.5
10 28	0 43.57	+16 43.3	1.534	2.486	8.3	18.7
11 7	0 37.99	+15 31.4	1.589	2.489	12.0	18.9
11 17	0 34.97	+14 27.9	1.667	2.491	15.4	19.1

31838 Angelarob 10 9.1 72°.74 4°.1/12.6 18

9 8	1 23.20	+18 38.8	1.452	2.305	16.8	17.8
9 18	1 17.34	+18 27.2	1.398	2.318	12.9	17.6
9 28	1 9.23	+17 52.1	1.365	2.331	8.5	17.4
10 8	0 59.91	+16 56.3	1.356	2.344	4.7	17.2
10 18	0 50.64	+15 46.1	1.374	2.358	5.0	17.3
10 28	0 42.69	+14 30.8	1.418	2.371	8.7	17.5
11 7	0 37.01	+13 20.2	1.486	2.385	12.7	17.8
11 17	0 34.11	+12 21.5	1.576	2.398	16.2	18.1

332682 2009 DO_{141} 10 9.1 319°.96 3°.5/ 5.7 18

9 8	1 16.36	+ 2 30.7	1.489	2.395	13.4	20.5
9 18	1 12.59	+ 0 55.4	1.418	2.377	9.4	20.3
9 28	1 6.76	− 0 51.3	1.371	2.360	5.2	20.0
10 8	0 59.69	− 2 39.8	1.350	2.343	3.7	19.8
10 18	0 52.39	− 4 19.4	1.355	2.326	7.2	20.0
10 28	0 46.04	− 5 39.7	1.385	2.310	11.7	20.2
11 7	0 41.57	− 6 34.5	1.438	2.295	15.8	20.5
11 17	0 39.59	− 7 1.5	1.509	2.280	19.2	20.7

229809 2008 SA_{164} 10 9.1 247°.64 0°.3/ 8.4 18

9 8	1 11.56	+ 6 28.3	4.434	5.304	6.0	20.3
9 18	1 8.06	+ 5 52.0	4.361	5.302	4.2	20.2
9 28	1 3.90	+ 5 11.6	4.316	5.301	2.2	20.0
10 8	0 59.38	+ 4 29.3	4.300	5.299	0.3	19.9
10 18	0 54.85	+ 3 47.5	4.315	5.297	2.0	20.0
10 28	0 50.63	+ 3 8.5	4.361	5.296	4.0	20.2
11 7	0 47.03	+ 2 34.6	4.435	5.294	5.9	20.3
11 17	0 44.32	+ 2 7.4	4.535	5.292	7.4	20.4

266020 2006 ER_{71} 10 9.1 255°.78 0°.1/ 9.0 18

9 8	1 18.51	+ 8 5.2	2.445	3.316	10.2	21.7
9 18	1 13.43	+ 7 34.1	2.365	3.306	7.3	21.5
9 28	1 6.97	+ 6 54.4	2.311	3.295	3.9	21.3
10 8	0 59.71	+ 6 9.5	2.285	3.284	0.4	21.0
10 18	0 52.33	+ 5 23.4	2.289	3.273	3.2	21.2
10 28	0 45.57	+ 4 41.0	2.322	3.262	6.7	21.4
11 7	0 40.07	+ 4 6.5	2.381	3.251	9.8	21.6
11 17	0 36.28	+ 3 42.8	2.464	3.240	12.5	21.8

268007 2004 JJ_{41} 10 9.1 102°.76 0°.7/ 8.5 16

9 8	1 25.04	+ 6 11.7	1.614	2.496	13.9	21.0
9 18	1 18.34	+ 5 43.9	1.564	2.511	9.8	20.8
9 28	1 9.67	+ 5 6.8	1.538	2.525	5.2	20.6
10 8	0 59.97	+ 4 25.4	1.539	2.538	0.8	20.3
10 18	0 50.38	+ 3 45.8	1.568	2.552	4.6	20.6
10 28	0 42.01	+ 3 14.1	1.624	2.565	9.0	20.9
11 7	0 35.70	+ 2 54.7	1.705	2.578	12.9	21.2
11 17	0 31.92	+ 2 50.0	1.807	2.590	16.0	21.4

440887 2006 UV_{49} 10 9.1 16°.94 2°.9/11.5 15

9 8	1 19.93	+15 13.1	1.565	2.431	15.1	21.2
9 18	1 14.97	+15 5.5	1.504	2.435	11.3	21.0
9 28	1 7.97	+14 39.4	1.465	2.439	7.1	20.8
10 8	0 59.82	+13 57.7	1.451	2.444	3.3	20.6
10 18	0 51.60	+13 5.7	1.464	2.450	4.2	20.7
10 28	0 44.47	+12 11.0	1.502	2.456	8.3	20.9
11 7	0 39.33	+11 21.4	1.565	2.463	12.3	21.2
11 17	0 36.71	+10 42.6	1.650	2.471	15.7	21.4

388570 2007 RT_{2} 10 9.1 71°.71 5°.9/14.2 18

9 8	1 25.73	+22 39.4	1.685	2.507	16.3	20.4
9 18	1 18.99	+23 8.1	1.630	2.525	13.0	20.2
9 28	1 10.10	+23 13.8	1.598	2.543	9.5	20.1
10 8	1 0.04	+22 56.6	1.589	2.561	6.6	19.9
10 18	0 50.00	+22 19.6	1.607	2.579	6.2	20.0
10 28	0 41.19	+21 29.5	1.652	2.597	8.5	20.1
11 7	0 34.56	+20 34.9	1.722	2.615	11.6	20.4
11 17	0 30.60	+19 43.4	1.815	2.633	14.6	20.6

485302 2011 AN_{51} 10 9.1 346°.23 8°.2/17.2 17

9 8	1 21.14	+30 0.2	1.959	2.736	15.9	20.5
9 18	1 15.88	+30 44.8	1.879	2.731	13.5	20.3
9 28	1 8.54	+31 5.4	1.820	2.726	11.0	20.2
10 8	0 59.90	+30 59.8	1.784	2.721	9.0	20.0
10 18	0 50.96	+30 28.6	1.772	2.718	8.2	20.0
10 28	0 42.91	+29 36.4	1.786	2.714	9.2	20.0
11 7	0 36.71	+28 31.0	1.825	2.711	11.4	20.2
11 17	0 33.00	+27 21.1	1.886	2.709	13.9	20.3

127076 2002 GY_{64} 10 9.1 7°.91 0°.7/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 16.35	+ 7 57.2	1.816	2.703	12.4	18.9
9 18	1 12.18	+ 6 52.0	1.755	2.704	8.7	18.7
9 28	1 6.37	+ 5 35.0	1.718	2.705	4.6	18.4
10 8	0 59.67	+ 4 12.3	1.709	2.707	0.8	18.2
10 18	0 52.93	+ 2 51.3	1.727	2.710	4.3	18.4
10 28	0 47.07	+ 1 39.6	1.772	2.713	8.4	18.7
11 7	0 42.80	+ 0 43.0	1.843	2.716	12.0	18.9
11 17	0 40.59	+ 0 4.8	1.934	2.720	15.1	19.1

225666 2001 NE_{10} 10 9.1 32°.83 0°.2/ 9.2 18

9 8	1 22.76	+ 8 7.8	1.132	2.032	17.2	20.0
9 18	1 17.30	+ 7 52.0	1.091	2.044	12.2	19.8
9 28	1 9.29	+ 7 21.7	1.070	2.057	6.6	19.5
10 8	0 59.96	+ 6 42.9	1.073	2.072	0.7	19.2
10 18	0 50.76	+ 6 3.2	1.100	2.087	5.1	19.5
10 28	0 43.15	+ 5 30.7	1.151	2.103	10.5	19.9
11 7	0 38.14	+ 5 11.9	1.224	2.120	15.1	20.2
11 17	0 36.20	+ 5 9.7	1.316	2.137	18.9	20.5

96218 1993 RZ_{14} 10 9.1 269°.68 6°.4/11.2 17

9 8	1 38.54	+14 39.0	1.114	1.976	20.3	19.6
9 18	1 29.63	+16 24.7	1.042	1.967	15.8	19.3
9 28	1 16.64	+17 56.4	0.990	1.958	10.8	19.0
10 8	1 0.77	+19 7.7	0.962	1.948	6.8	18.8
10 18	0 44.02	+19 54.5	0.960	1.938	7.9	18.8
10 28	0 28.81	+20 19.7	0.983	1.929	12.7	19.0
11 7	0 17.13	+20 31.5	1.028	1.919	17.8	19.3
11 17	0 10.00	+20 39.8	1.092	1.909	22.2	19.6

259737 2003 YB_{128} 10 9.1 285°.26 6°.5/13.7 18

9 8	1 25.78	+21 40.1	1.468	2.304	17.6	20.3
9 18	1 19.59	+22 18.0	1.394	2.298	14.1	20.0
9 28	1 10.72	+22 32.1	1.340	2.292	10.3	19.8
10 8	1 0.15	+22 21.0	1.310	2.286	7.1	19.6
10 18	0 49.21	+21 46.5	1.305	2.280	6.9	19.6
10 28	0 39.44	+20 55.5	1.326	2.274	9.8	19.7
11 7	0 32.08	+19 58.0	1.370	2.268	13.7	19.9
11 17	0 27.87	+19 3.5	1.435	2.262	17.3	20.2

23009 1999 VL_{149} 10 9.1 27°.49 2°.4/11.9 18

9 8	1 17.55	+16 57.5	2.037	2.887	12.8	18.2
9 18	1 12.95	+16 19.9	1.968	2.889	9.6	18.0
9 28	1 6.77	+15 24.9	1.922	2.892	6.1	17.8
10 8	0 59.73	+14 15.9	1.903	2.895	2.9	17.6
10 18	0 52.64	+12 58.2	1.913	2.899	3.5	17.7
10 28	0 46.37	+11 38.9	1.951	2.902	6.9	17.9
11 7	0 41.64	+10 25.3	2.015	2.906	10.3	18.1
11 17	0 38.88	+ 9 22.7	2.102	2.910	13.2	18.3

485366 2011 DE_{18} 10 9.1 213°.55 1°.4/10.8 17

9 8	1 20.42	+12 14.2	2.696	3.547	10.0	22.2
9 18	1 14.68	+12 14.3	2.618	3.544	7.4	22.0
9 28	1 7.63	+12 5.2	2.566	3.541	4.4	21.8
10 8	0 59.82	+11 48.4	2.542	3.537	1.7	21.6
10 18	0 51.92	+11 26.7	2.549	3.534	2.8	21.7
10 28	0 44.62	+11 3.4	2.585	3.531	5.8	21.9
11 7	0 38.53	+10 42.4	2.649	3.527	8.6	22.0
11 17	0 34.07	+10 26.8	2.737	3.523	11.1	22.2

38458 1999 TP_{12} 10 9.1 24°.49 4°.1/ 7.1 18

9 8	1 27.62	− 3 34.7	1.230	2.134	15.8	16.7
9 18	1 20.56	− 3 27.5	1.189	2.144	11.2	16.4
9 28	1 10.99	− 3 18.0	1.170	2.155	6.5	16.2
10 8	1 0.16	− 3 0.8	1.175	2.167	4.1	16.1
10 18	0 49.52	− 2 32.1	1.206	2.180	7.3	16.3
10 28	0 40.51	− 1 49.7	1.261	2.194	11.7	16.6
11 7	0 34.13	− 0 53.6	1.339	2.209	15.8	16.9
11 17	0 30.85	+ 0 14.7	1.436	2.225	19.2	17.2

479933 2014 HP_{130} 10 9.1 214°.19 3°.8/ 5.8 18

9 8	1 24.12	− 3 34.4	1.972	2.861	11.4	21.6
9 18	1 17.57	− 4 9.1	1.908	2.857	8.2	21.4
9 28	1 9.27	− 4 43.8	1.871	2.852	5.0	21.2
10 8	0 59.99	− 5 12.8	1.860	2.847	3.9	21.1
10 18	0 50.66	− 5 31.4	1.879	2.842	6.3	21.2
10 28	0 42.23	− 5 35.6	1.925	2.837	9.7	21.4
11 7	0 35.51	− 5 23.7	1.995	2.831	12.9	21.6
11 17	0 30.98	− 4 55.9	2.087	2.825	15.6	21.8

469784 2005 QK_{163} 10 9.1 23°.40 2°.5/ 7.6 18

9 8	1 20.98	+ 2 50.9	0.967	1.885	17.7	20.0
9 18	1 16.22	+ 2 21.0	0.934	1.897	12.3	19.8
9 28	1 8.76	+ 1 42.9	0.920	1.911	6.5	19.5
10 8	0 59.93	+ 1 5.1	0.929	1.926	2.6	19.3
10 18	0 51.32	+ 0 36.3	0.960	1.943	6.9	19.7
10 28	0 44.45	+ 0 23.5	1.014	1.961	12.2	20.0
11 7	0 40.34	+ 0 30.5	1.088	1.980	16.9	20.4
11 17	0 39.40	+ 0 57.2	1.179	2.001	20.6	20.7

200997 2002 CC_{157} 10 9.1 278°.46 1°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.01	+10 52.9	1.642	2.517	14.1	20.8
9 18	1 16.42	+10 29.3	1.575	2.515	10.2	20.5
9 28	1 8.77	+ 9 51.2	1.531	2.513	5.8	20.3
10 8	0 59.95	+ 9 2.6	1.513	2.511	1.4	20.0
10 18	0 51.01	+ 8 9.3	1.522	2.509	4.0	20.2
10 28	0 43.10	+ 7 18.7	1.559	2.507	8.6	20.4
11 7	0 37.14	+ 6 37.3	1.620	2.506	12.7	20.7
11 17	0 33.68	+ 6 9.7	1.702	2.504	16.1	20.9

150834 2001 SZ_{32} 10 9.1 29°.99 0°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.91	+ 7 37.6	1.100	2.003	17.3	19.1
9 18	1 16.72	+ 7 16.4	1.061	2.016	12.3	18.9
9 28	1 9.00	+ 6 41.0	1.042	2.030	6.6	18.6
10 8	0 59.96	+ 5 58.0	1.046	2.045	0.6	18.3
10 18	0 51.08	+ 5 15.6	1.075	2.062	5.3	18.7
10 28	0 43.80	+ 4 42.0	1.127	2.079	10.7	19.0
11 7	0 39.12	+ 4 23.4	1.201	2.097	15.3	19.4
11 17	0 37.49	+ 4 22.6	1.293	2.115	19.1	19.7

271917 2004 XT_{43} 10 9.1 2°.60 0°.9/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.31	+ 5 44.3	1.639	2.533	13.1	20.4
9 18	1 13.73	+ 5 17.1	1.580	2.532	9.2	20.1
9 28	1 7.28	+ 4 40.9	1.544	2.532	4.9	19.9
10 8	0 59.80	+ 4 0.6	1.534	2.533	0.9	19.6
10 18	0 52.26	+ 3 22.1	1.551	2.535	4.5	19.9
10 28	0 45.69	+ 2 51.5	1.594	2.537	8.9	20.1
11 7	0 40.93	+ 2 33.4	1.660	2.541	12.7	20.4
11 17	0 38.47	+ 2 30.3	1.748	2.545	15.9	20.6

353133 2009 FZ_{67} 10 9.1 93°.68 1°.7/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.58	+ 3 10.1	1.905	2.792	11.9	21.2
9 18	1 15.78	+ 2 38.1	1.847	2.796	8.3	20.9
9 28	1 8.30	+ 2 0.4	1.813	2.800	4.4	20.7
10 8	0 59.90	+ 1 21.7	1.806	2.803	1.7	20.5
10 18	0 51.49	+ 0 47.4	1.828	2.807	4.7	20.8
10 28	0 44.00	+ 0 22.4	1.878	2.811	8.5	21.0
11 7	0 38.19	+ 0 10.0	1.952	2.814	12.0	21.2
11 17	0 34.52	+ 0 12.0	2.048	2.818	14.8	21.4

285291 1998 SJ_{152} 10 9.1 14°.56 1°.0/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.32	+ 8 46.7	0.831	1.746	20.1	19.6
9 18	1 16.98	+ 8 52.5	0.790	1.750	14.5	19.3
9 28	1 9.41	+ 8 39.8	0.767	1.756	8.1	19.0
10 8	1 0.03	+ 8 14.1	0.764	1.763	1.5	18.6
10 18	0 50.67	+ 7 43.6	0.783	1.772	5.8	19.0
10 28	0 43.22	+ 7 18.3	0.822	1.783	12.1	19.4
11 7	0 38.94	+ 7 6.2	0.881	1.795	17.6	19.7
11 17	0 38.37	+ 7 11.5	0.956	1.808	22.0	20.1

338824 2003 WJ_{82} 10 9.1 333°.62 12°.7/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.65	−20 27.3	1.261	2.160	15.9	19.4
9 18	1 16.72	−21 48.4	1.210	2.138	13.7	19.3
9 28	1 9.14	−22 50.4	1.179	2.118	12.7	19.1
10 8	1 0.01	−23 21.2	1.169	2.098	13.5	19.1
10 18	0 50.71	−23 12.5	1.180	2.080	15.7	19.2
10 28	0 42.76	−22 21.9	1.210	2.063	18.6	19.3
11 7	0 37.30	−20 53.4	1.258	2.047	21.5	19.5
11 17	0 34.95	−18 53.9	1.320	2.033	24.1	19.7

63105 2000 WW_{151} 10 9.1 339°.45 1°.2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.71	+ 6 45.2	1.788	2.678	12.4	19.0
9 18	1 12.52	+ 5 37.5	1.722	2.673	8.7	18.8
9 28	1 6.62	+ 4 18.2	1.679	2.667	4.6	18.6
10 8	0 59.75	+ 2 53.8	1.664	2.662	1.2	18.3
10 18	0 52.79	+ 1 32.1	1.676	2.658	4.7	18.5
10 28	0 46.69	+ 0 20.7	1.716	2.653	8.8	18.8
11 7	0 42.21	− 0 34.4	1.780	2.650	12.6	19.0
11 17	0 39.85	− 1 10.1	1.865	2.646	15.7	19.2

454241 2013 LT_{1} 10 9.1 18°.56 7°.4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.38	−14 5.9	1.880	2.772	11.8	20.0
9 18	1 15.60	−14 54.7	1.840	2.776	9.3	19.9
9 28	1 8.17	−15 33.5	1.824	2.781	7.6	19.8
10 8	0 59.90	−15 55.9	1.834	2.786	7.7	19.8
10 18	0 51.73	−15 57.4	1.870	2.792	9.5	19.9
10 28	0 44.58	−15 36.1	1.930	2.798	11.9	20.1
11 7	0 39.18	−14 53.2	2.012	2.804	14.4	20.3
11 17	0 35.92	−13 51.4	2.114	2.811	16.5	20.5

165011 2000 CA_{82} 10 9.1 316°.65 7°.9/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.41	− 8 46.9	1.455	2.367	13.2	19.1
9 18	1 13.46	−10 41.0	1.389	2.343	10.1	18.8
9 28	1 7.33	−12 34.2	1.348	2.318	8.1	18.6
10 8	0 59.84	−14 14.5	1.331	2.295	8.6	18.6
10 18	0 52.08	−15 30.7	1.338	2.272	11.5	18.7
10 28	0 45.27	−16 15.1	1.369	2.249	15.1	18.9
11 7	0 40.45	−16 25.1	1.418	2.228	18.5	19.1
11 17	0 38.24	−16 2.6	1.484	2.207	21.5	19.2

507098 2009 FF_{77} 10 9.1 150°.03 1°.1/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.35	+ 7 21.4	1.532	2.417	14.4	21.8
9 18	1 17.34	+ 6 16.8	1.476	2.424	10.1	21.5
9 28	1 9.25	+ 4 59.2	1.443	2.429	5.3	21.3
10 8	1 0.02	+ 3 35.9	1.436	2.435	1.1	21.0
10 18	0 50.81	+ 2 15.5	1.458	2.440	5.1	21.3
10 28	0 42.78	+ 1 6.9	1.506	2.444	9.8	21.6
11 7	0 36.84	+ 0 16.1	1.578	2.448	13.9	21.8
11 17	0 33.50	− 0 13.7	1.671	2.451	17.2	22.1

453477 2009 SN_{216} 10 9.1 339°.32 0°.8/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.64	+ 6 41.7	2.071	2.953	11.3	21.5
9 18	1 12.97	+ 5 52.6	2.004	2.951	7.9	21.3
9 28	1 6.79	+ 4 54.4	1.962	2.949	4.2	21.1
10 8	0 59.77	+ 3 51.8	1.948	2.947	0.8	20.8
10 18	0 52.69	+ 2 50.8	1.962	2.945	4.0	21.1
10 28	0 46.37	+ 1 57.1	2.005	2.943	7.7	21.3
11 7	0 41.51	+ 1 15.6	2.073	2.941	11.1	21.5
11 17	0 38.55	+ 0 49.1	2.163	2.940	13.9	21.7

515497 2014 DB_{72} 10 9.1 240°.06 2°.0/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.61	+ 2 34.0	1.917	2.803	11.9	22.5
9 18	1 16.64	+ 1 56.2	1.844	2.793	8.4	22.2
9 28	1 8.85	+ 1 12.5	1.796	2.783	4.5	22.0
10 8	0 59.99	+ 0 27.8	1.776	2.772	2.0	21.8
10 18	0 50.99	− 0 12.2	1.785	2.762	5.1	22.0
10 28	0 42.83	− 0 42.0	1.821	2.751	9.0	22.2
11 7	0 36.35	− 0 57.9	1.882	2.739	12.6	22.4
11 17	0 32.09	− 0 57.9	1.965	2.727	15.6	22.6

449841 2014 QR_{378} 10 9.1 154°.37 0°.7/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.90	+ 7 8.7	2.619	3.493	9.5	21.5
9 18	1 12.16	+ 6 10.1	2.553	3.497	6.7	21.4
9 28	1 6.26	+ 5 3.7	2.515	3.500	3.5	21.2
10 8	0 59.72	+ 3 53.9	2.505	3.504	0.7	20.9
10 18	0 53.17	+ 2 45.5	2.526	3.507	3.3	21.2
10 28	0 47.25	+ 1 43.5	2.576	3.510	6.5	21.4
11 7	0 42.48	+ 0 52.0	2.653	3.513	9.3	21.6
11 17	0 39.25	+ 0 13.5	2.754	3.515	11.6	21.7

344663 2003 SY_{87} 10 9.1 57°.02 2°.4/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.45	+14 14.7	1.541	2.408	15.3	20.4
9 18	1 16.71	+14 1.8	1.489	2.421	11.3	20.2
9 28	1 8.90	+13 31.1	1.458	2.434	6.9	20.0
10 8	1 0.00	+12 46.1	1.453	2.447	2.9	19.8
10 18	0 51.13	+11 52.7	1.474	2.461	4.1	19.9
10 28	0 43.48	+10 58.6	1.522	2.475	8.4	20.2
11 7	0 37.91	+10 11.1	1.595	2.488	12.3	20.4
11 17	0 34.92	+ 9 35.7	1.689	2.502	15.7	20.7

57915 2002 EB_{110} 10 9.1 229°.68 0°.2/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.85	+ 5 44.1	4.505	5.372	6.0	19.8
9 18	1 9.67	+ 5 32.2	4.430	5.370	4.2	19.7
9 28	1 4.81	+ 5 17.0	4.383	5.368	2.2	19.5
10 8	0 59.58	+ 5 0.3	4.367	5.366	0.3	19.3
10 18	0 54.31	+ 4 43.6	4.381	5.364	1.9	19.5
10 28	0 49.37	+ 4 29.1	4.426	5.361	3.9	19.6
11 7	0 45.07	+ 4 18.4	4.499	5.359	5.7	19.8
11 17	0 41.67	+ 4 12.8	4.597	5.357	7.3	19.9

507398 2012 HO_{71} 10 9.1 134°.51 1°.1/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.29	+12 27.8	1.782	2.645	13.8	22.3
9 18	1 17.76	+11 47.2	1.725	2.658	10.0	22.1
9 28	1 9.39	+10 51.2	1.692	2.671	5.7	21.8
10 8	1 0.05	+ 9 44.6	1.686	2.684	1.5	21.6
10 18	0 50.77	+ 8 33.9	1.709	2.696	3.8	21.8
10 28	0 42.59	+ 7 26.6	1.761	2.707	8.0	22.1
11 7	0 36.31	+ 6 29.3	1.838	2.717	11.7	22.3
11 17	0 32.41	+ 5 46.5	1.937	2.727	14.9	22.5

216439 Lyubertsy 10 9.1 257°.00 5°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.65	+21 57.1	1.941	2.760	14.5	20.6
9 18	1 17.57	+22 21.3	1.860	2.754	11.6	20.4
9 28	1 9.45	+22 26.0	1.802	2.748	8.5	20.2
10 8	1 0.08	+22 10.8	1.769	2.742	5.9	20.0
10 18	0 50.46	+21 37.6	1.763	2.736	5.6	20.0
10 28	0 41.70	+20 51.9	1.785	2.730	8.0	20.1
11 7	0 34.76	+20 0.7	1.833	2.724	11.1	20.3
11 17	0 30.24	+19 11.4	1.903	2.717	14.2	20.5

216709 2005 AH_{60} 10 9.1 278°.88 0°.1/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.25	+ 8 50.2	1.356	2.244	15.7	20.9
9 18	1 17.75	+ 8 18.6	1.284	2.232	11.3	20.6
9 28	1 9.72	+ 7 31.1	1.234	2.220	6.2	20.3
10 8	1 0.12	+ 6 33.0	1.209	2.208	0.7	19.9
10 18	0 50.22	+ 5 32.0	1.209	2.196	5.0	20.1
10 28	0 41.47	+ 4 37.3	1.236	2.183	10.4	20.4
11 7	0 35.03	+ 3 56.6	1.285	2.171	15.2	20.7
11 17	0 31.59	+ 3 34.7	1.353	2.159	19.3	20.9

521873 2015 TX_{378} 10 9.1 270°.94 0°.1/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.46	+ 8 18.1	2.225	3.097	11.0	22.1
9 18	1 14.26	+ 7 51.0	2.145	3.086	7.9	21.9
9 28	1 7.53	+ 7 14.4	2.091	3.075	4.3	21.6
10 8	0 59.88	+ 6 31.8	2.064	3.063	0.5	21.3
10 18	0 52.10	+ 5 47.7	2.067	3.052	3.4	21.5
10 28	0 44.99	+ 5 7.2	2.098	3.040	7.2	21.7
11 7	0 39.28	+ 4 34.7	2.155	3.029	10.5	21.9
11 17	0 35.46	+ 4 13.7	2.236	3.017	13.4	22.1

307048 2001 YN_{28} 10 9.1 279°.66 0°.9/ 9.9 18

9 8	1 22.03	+10 42.3	1.645	2.521	14.1	20.7
9 18	1 16.62	+10 17.0	1.563	2.503	10.3	20.4
9 28	1 9.03	+ 9 36.5	1.503	2.485	5.9	20.1
10 8	1 0.05	+ 8 44.4	1.469	2.467	1.3	19.8
10 18	0 50.76	+ 7 46.8	1.462	2.449	4.2	19.9
10 28	0 42.37	+ 6 51.2	1.483	2.431	9.0	20.2
11 7	0 35.89	+ 6 4.9	1.527	2.412	13.3	20.4
11 17	0 31.99	+ 5 33.3	1.593	2.394	17.1	20.6

67683 2000 SW_{298} 10 9.1 66°.50 4°.6/12.4 18

9 8	1 26.80	+17 43.8	1.220	2.083	18.8	19.6
9 18	1 20.17	+17 53.6	1.176	2.101	14.3	19.4
9 28	1 10.89	+17 38.4	1.151	2.120	9.4	19.2
10 8	1 0.23	+17 0.6	1.150	2.138	5.2	19.0
10 18	0 49.70	+16 6.3	1.173	2.157	5.6	19.1
10 28	0 40.85	+15 5.4	1.222	2.176	9.7	19.4
11 7	0 34.72	+14 8.3	1.294	2.195	14.0	19.7
11 17	0 31.81	+13 22.7	1.386	2.214	17.7	20.0

482997 2014 QR_{102} 10 9.1 127°.56 2°.6/12.2 18

9 8	1 19.86	+17 7.1	2.419	3.256	11.5	21.8
9 18	1 14.38	+16 51.5	2.351	3.264	8.7	21.6
9 28	1 7.51	+16 21.8	2.307	3.272	5.6	21.4
10 8	0 59.88	+15 40.1	2.291	3.280	3.0	21.3
10 18	0 52.23	+14 50.1	2.304	3.287	3.3	21.3
10 28	0 45.31	+13 56.6	2.346	3.295	6.1	21.5
11 7	0 39.76	+13 5.1	2.415	3.302	9.0	21.7
11 17	0 36.00	+12 20.2	2.509	3.309	11.6	21.9

266837 2009 UQ_{19} 10 9.1 16°.23 4°.7/13.8 18

9 8	1 17.03	+20 59.8	1.583	2.430	16.0	19.5
9 18	1 12.97	+20 49.3	1.525	2.438	12.5	19.3
9 28	1 6.94	+20 14.9	1.487	2.446	8.7	19.1
10 8	0 59.83	+19 19.0	1.474	2.456	5.5	18.9
10 18	0 52.69	+18 7.2	1.486	2.467	5.1	18.9
10 28	0 46.63	+16 47.8	1.524	2.479	8.0	19.2
11 7	0 42.48	+15 30.3	1.586	2.492	11.6	19.4
11 17	0 40.75	+14 22.3	1.671	2.505	14.9	19.6

411154 2010 AM_{84} 10 9.1 333°.16 1°.4/ 7.4 18

9 8	1 16.17	+ 6 6.9	2.056	2.943	11.2	20.8
9 18	1 11.96	+ 4 47.7	1.989	2.939	7.8	20.6
9 28	1 6.27	+ 3 18.5	1.947	2.935	4.1	20.4
10 8	0 59.76	+ 1 45.5	1.934	2.931	1.5	20.2
10 18	0 53.19	+ 0 16.1	1.949	2.928	4.5	20.4
10 28	0 47.36	− 1 2.6	1.993	2.925	8.2	20.6
11 7	0 42.95	− 2 5.4	2.062	2.921	11.5	20.8
11 17	0 40.40	− 2 49.2	2.153	2.919	14.3	21.0

154379 2002 YD_{8} 10 9.1 181°.25 2°.5/ 6.8 17

9 8	1 22.16	+ 2 26.5	1.775	2.665	12.5	20.4
9 18	1 16.34	+ 1 24.7	1.715	2.666	8.7	20.2
9 28	1 8.69	+ 0 16.2	1.679	2.666	4.7	20.0
10 8	1 0.02	− 0 52.3	1.671	2.666	2.6	19.8
10 18	0 51.32	− 1 53.7	1.692	2.666	5.7	20.0
10 28	0 43.60	− 2 41.4	1.739	2.665	9.6	20.3
11 7	0 37.67	− 3 11.3	1.811	2.664	13.2	20.5
11 17	0 34.03	− 3 21.9	1.903	2.662	16.2	20.7

65946 1998 FT_{103} 10 9.1 68°.80 2°.7/11.6 18

9 8	1 24.08	+15 53.5	1.580	2.437	15.5	18.6
9 18	1 17.69	+15 33.0	1.538	2.464	11.5	18.4
9 28	1 9.35	+14 53.5	1.519	2.491	7.1	18.2
10 8	1 0.08	+13 59.2	1.525	2.518	3.3	18.0
10 18	0 51.02	+12 56.2	1.559	2.545	4.1	18.2
10 28	0 43.28	+11 52.8	1.620	2.572	8.0	18.5
11 7	0 37.65	+10 56.3	1.707	2.598	11.8	18.8
11 17	0 34.53	+10 12.1	1.815	2.625	14.9	19.0

405512 2005 CF_{7} 10 9.1 227°.24 14°.8/18.6 17

9 8	1 34.96	+36 47.5	1.401	2.145	22.6	20.6
9 18	1 27.20	+38 43.6	1.324	2.138	20.2	20.4
9 28	1 15.46	+40 6.9	1.265	2.130	17.7	20.2
10 8	1 0.79	+40 47.1	1.224	2.122	15.6	20.0
10 18	0 45.08	+40 38.4	1.205	2.113	14.8	20.0
10 28	0 30.73	+39 44.0	1.208	2.103	15.5	20.0
11 7	0 19.74	+38 16.5	1.231	2.093	17.5	20.1
11 17	0 13.26	+36 32.6	1.273	2.083	20.1	20.2

317115 2001 TH_{240} 10 9.1 285°.92 2°.6/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 24.00	+13 34.4	1.566	2.432	15.2	19.8
9 18	1 18.14	+13 40.0	1.487	2.419	11.4	19.6
9 28	1 9.91	+13 29.1	1.430	2.406	7.0	19.3
10 8	1 0.17	+13 3.4	1.398	2.392	3.0	19.0
10 18	0 50.09	+12 27.1	1.393	2.379	4.4	19.1
10 28	0 41.00	+11 46.8	1.414	2.366	8.9	19.3
11 7	0 34.01	+11 10.1	1.460	2.353	13.3	19.6
11 17	0 29.81	+10 43.1	1.527	2.340	17.1	19.8

427722 2004 HJ_{39} 10 9.1 103°.58 1°.1/10.1 17

9 8	1 24.09	+11 53.2	1.630	2.499	14.5	21.3
9 18	1 17.73	+11 18.2	1.579	2.516	10.5	21.1
9 28	1 9.41	+10 27.8	1.552	2.533	6.0	20.8
10 8	1 0.10	+ 9 27.0	1.551	2.549	1.5	20.6
10 18	0 50.89	+ 8 22.4	1.578	2.565	3.9	20.8
10 28	0 42.89	+ 7 21.8	1.633	2.580	8.3	21.1
11 7	0 36.92	+ 6 31.7	1.712	2.595	12.3	21.4
11 17	0 33.44	+ 5 56.5	1.814	2.610	15.5	21.6

159288 2006 AL_{71} 10 9.1 189°.94 1°.9/ 6.8 18

9 8	1 18.17	+ 2 1.1	2.539	3.423	9.4	20.8
9 18	1 13.12	+ 1 11.1	2.474	3.422	6.5	20.6
9 28	1 6.83	+ 0 16.9	2.435	3.421	3.5	20.4
10 8	0 59.85	− 0 37.1	2.425	3.420	1.9	20.3
10 18	0 52.83	− 1 26.4	2.445	3.418	4.2	20.5
10 28	0 46.45	− 2 6.5	2.494	3.417	7.2	20.7
11 7	0 41.28	− 2 34.5	2.569	3.415	10.0	20.9
11 17	0 37.72	− 2 48.6	2.667	3.413	12.3	21.0

145178 2005 JN_{14} 10 9.1 152°.70 2°.1/11.1 17

9 8	1 23.74	+15 9.4	1.755	2.609	14.3	21.0
9 18	1 17.51	+14 31.5	1.691	2.617	10.6	20.8
9 28	1 9.34	+13 35.3	1.650	2.624	6.4	20.6
10 8	1 0.11	+12 24.8	1.636	2.631	2.5	20.3
10 18	0 50.87	+11 6.4	1.650	2.637	3.8	20.4
10 28	0 42.70	+ 9 48.4	1.693	2.642	8.0	20.7
11 7	0 36.46	+ 8 38.6	1.761	2.647	11.8	21.0
11 17	0 32.65	+ 7 42.8	1.852	2.651	15.1	21.2

163051 2001 YJ_{4} 10 9.1 145°.52 2°.8/12.6 17

9 8	1 26.09	+19 26.5	2.602	3.414	11.5	21.7
9 18	1 18.60	+18 54.4	2.536	3.433	8.8	21.6
9 28	1 9.73	+18 6.6	2.494	3.451	5.8	21.4
10 8	1 0.15	+17 5.5	2.483	3.468	3.2	21.3
10 18	0 50.64	+15 55.2	2.502	3.483	3.4	21.3
10 28	0 41.99	+14 41.3	2.553	3.497	5.9	21.5
11 7	0 34.82	+13 29.8	2.634	3.510	8.7	21.7
11 17	0 29.53	+12 25.7	2.740	3.521	11.2	21.9

440094 2002 UR_{51} 10 9.1 50°.09 8°.4/17.1 18

9 8	1 24.16	+29 40.0	1.779	2.562	17.1	20.9
9 18	1 18.14	+30 22.6	1.711	2.567	14.4	20.7
9 28	1 9.84	+30 38.6	1.662	2.573	11.6	20.6
10 8	1 0.18	+30 25.9	1.636	2.578	9.3	20.4
10 18	0 50.32	+29 45.9	1.635	2.584	8.4	20.4
10 28	0 41.56	+28 44.5	1.659	2.590	9.6	20.5
11 7	0 34.92	+27 30.8	1.708	2.596	12.0	20.7
11 17	0 31.02	+26 14.6	1.780	2.603	14.6	20.8

517514 2014 QK_{451} 10 9.1 119°.36 1°.1/10.5 18

9 8	1 18.77	+12 31.0	2.508	3.363	10.5	21.8
9 18	1 13.54	+12 0.7	2.444	3.373	7.6	21.6
9 28	1 7.05	+11 19.5	2.406	3.383	4.5	21.4
10 8	0 59.88	+10 30.5	2.396	3.393	1.4	21.2
10 18	0 52.70	+ 9 37.7	2.416	3.402	2.8	21.4
10 28	0 46.23	+ 8 46.0	2.465	3.411	6.0	21.6
11 7	0 41.03	+ 7 59.9	2.542	3.420	8.9	21.8
11 17	0 37.50	+ 7 23.0	2.642	3.429	11.4	22.0

23686 Songyuan 10 9.1 90°.12 1°.2/10.5 18

9 8	1 20.11	+14 14.8	1.851	2.712	13.4	18.1
9 18	1 14.75	+13 10.3	1.798	2.729	9.7	17.9
9 28	1 7.76	+11 49.2	1.769	2.747	5.7	17.7
10 8	0 59.95	+10 17.0	1.767	2.764	1.7	17.5
10 18	0 52.23	+ 8 41.2	1.795	2.781	3.5	17.6
10 28	0 45.53	+ 7 10.2	1.850	2.798	7.5	17.9
11 7	0 40.54	+ 5 51.1	1.933	2.815	11.1	18.2
11 17	0 37.69	+ 4 48.6	2.038	2.831	14.1	18.4

416603 2004 PO_{99} 10 9.2 48°.79 4°.0/ 6.7 17

9 8	1 24.91	+ 1 8.2	0.949	1.865	18.1	20.6
9 18	1 18.92	+ 0 8.7	0.924	1.886	12.6	20.4
9 28	1 10.19	− 0 56.1	0.918	1.907	6.9	20.1
10 8	1 0.19	− 1 55.2	0.934	1.929	4.1	20.0
10 18	0 50.61	− 2 38.7	0.974	1.951	8.1	20.4
10 28	0 42.98	− 2 59.6	1.036	1.974	13.2	20.7
11 7	0 38.28	− 2 55.6	1.119	1.997	17.6	21.1
11 17	0 36.84	− 2 28.5	1.218	2.021	21.2	21.4

74380 1998 XR_{13} 10 9.2 354°.19 0°.1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.68	+ 8 49.5	1.591	2.477	13.9	19.9
9 18	1 14.82	+ 8 14.2	1.528	2.475	9.9	19.6
9 28	1 7.97	+ 7 25.6	1.487	2.473	5.4	19.4
10 8	0 59.99	+ 6 28.9	1.473	2.472	0.6	19.0
10 18	0 51.92	+ 5 31.0	1.485	2.471	4.3	19.3
10 28	0 44.86	+ 4 39.1	1.523	2.470	8.9	19.6
11 7	0 39.70	+ 3 59.7	1.586	2.470	13.0	19.8
11 17	0 36.98	+ 3 36.5	1.669	2.470	16.4	20.1

276662 2003 WD_{55} 10 9.2 302°.35 0°.6/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.06	+ 5 30.6	2.299	3.177	10.5	20.7
9 18	1 14.60	+ 5 12.5	2.229	3.174	7.4	20.5
9 28	1 7.69	+ 4 48.0	2.185	3.171	3.9	20.3
10 8	0 59.96	+ 4 20.5	2.169	3.168	0.6	20.0
10 18	0 52.16	+ 3 53.9	2.182	3.165	3.6	20.2
10 28	0 45.07	+ 3 32.1	2.224	3.163	7.1	20.5
11 7	0 39.35	+ 3 18.6	2.292	3.160	10.2	20.7
11 17	0 35.45	+ 3 15.7	2.384	3.157	12.9	20.8

341011 2007 FY_{33} 10 9.2 87°.74 1°.0/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.64	+10 6.0	1.607	2.479	14.5	21.2
9 18	1 18.87	+ 9 57.0	1.556	2.495	10.4	21.0
9 28	1 10.07	+ 9 35.1	1.529	2.511	5.9	20.8
10 8	1 0.21	+ 9 4.0	1.528	2.526	1.4	20.5
10 18	0 50.43	+ 8 29.1	1.555	2.542	4.0	20.8
10 28	0 41.90	+ 7 56.4	1.609	2.557	8.5	21.1
11 7	0 35.47	+ 7 31.6	1.688	2.572	12.4	21.3
11 17	0 31.62	+ 7 18.4	1.789	2.586	15.6	21.6

232689 2003 YN_{158} 10 9.2 79°.53 8°.7/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.27	+38 21.4	2.458	3.157	15.0	19.8
9 18	1 15.70	+38 45.2	2.383	3.165	13.2	19.7
9 28	1 8.37	+38 43.7	2.327	3.173	11.3	19.5
10 8	1 0.04	+38 15.4	2.293	3.182	9.7	19.4
10 18	0 51.61	+37 21.1	2.283	3.190	8.8	19.4
10 28	0 44.06	+36 5.2	2.299	3.198	8.9	19.4
11 7	0 38.18	+34 35.0	2.340	3.206	10.1	19.5
11 17	0 34.48	+32 58.5	2.406	3.214	11.8	19.7

184537 2005 QT_{32} 10 9.2 29°.32 2°.8/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.82	+ 3 11.9	1.347	2.254	14.5	19.4
9 18	1 13.48	+ 1 59.1	1.312	2.271	10.0	19.2
9 28	1 7.17	+ 0 39.0	1.300	2.290	5.3	19.0
10 8	0 59.90	− 0 39.2	1.314	2.309	2.9	18.9
10 18	0 52.79	− 1 46.6	1.353	2.330	6.3	19.2
10 28	0 46.94	− 2 35.8	1.417	2.351	10.6	19.5
11 7	0 43.14	− 3 3.2	1.503	2.373	14.4	19.8
11 17	0 41.76	− 3 8.1	1.608	2.396	17.5	20.0

53682 2000 DO_{77} 10 9.2 25°.42 0°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.58	+ 7 3.5	1.106	2.009	17.2	17.4
9 18	1 17.31	+ 6 49.5	1.063	2.018	12.2	17.2
9 28	1 9.43	+ 6 22.2	1.040	2.028	6.6	16.9
10 8	1 0.15	+ 5 47.7	1.040	2.039	0.7	16.6
10 18	0 50.95	+ 5 13.3	1.064	2.051	5.3	16.9
10 28	0 43.33	+ 4 47.2	1.112	2.064	10.8	17.3
11 7	0 38.33	+ 4 35.2	1.182	2.078	15.5	17.6
11 17	0 36.46	+ 4 40.0	1.270	2.093	19.4	17.9

346433 2008 SY_{248} 10 9.2 92°.03 2°.2/ 7.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.91	+ 3 38.6	1.673	2.564	13.0	21.5
9 18	1 16.10	+ 2 30.8	1.629	2.581	9.0	21.3
9 28	1 8.52	+ 1 16.0	1.611	2.598	4.8	21.1
10 8	1 0.06	+ 0 1.4	1.619	2.615	2.3	21.0
10 18	0 51.72	− 1 5.4	1.655	2.631	5.5	21.2
10 28	0 44.52	− 1 57.7	1.718	2.647	9.5	21.5
11 7	0 39.19	− 2 31.7	1.805	2.663	13.0	21.8
11 17	0 36.15	− 2 46.1	1.913	2.679	15.9	22.0

431277 2006 UT_{131} 10 9.2 129°.13 0°.4/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.89	+ 6 41.7	1.663	2.541	13.8	21.6
9 18	1 19.73	+ 6 21.4	1.609	2.553	9.8	21.4
9 28	1 10.54	+ 5 51.5	1.579	2.564	5.2	21.2
10 8	1 0.28	+ 5 16.5	1.576	2.575	0.6	20.9
10 18	0 50.09	+ 4 41.9	1.602	2.586	4.4	21.2
10 28	0 41.09	+ 4 13.6	1.655	2.596	8.8	21.5
11 7	0 34.16	+ 3 56.1	1.733	2.605	12.7	21.7
11 17	0 29.80	+ 3 52.1	1.833	2.614	15.9	22.0

441314 2008 AG_{91} 10 9.2 343°.25 3°.5/12.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.39	+17 20.9	1.723	2.576	14.6	21.3
9 18	1 15.34	+17 15.8	1.651	2.572	11.2	21.0
9 28	1 8.29	+16 51.5	1.602	2.569	7.4	20.8
10 8	1 0.07	+16 10.0	1.577	2.566	4.0	20.6
10 18	0 51.69	+15 15.9	1.579	2.563	4.4	20.6
10 28	0 44.26	+14 16.1	1.608	2.561	7.9	20.8
11 7	0 38.69	+13 18.5	1.662	2.559	11.7	21.1
11 17	0 35.54	+12 29.7	1.739	2.558	15.1	21.3

54724 2001 KM_{4} 10 9.2 48°.11 0°.1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 24.62	+ 7 51.1	1.178	2.073	17.0	18.5
9 18	1 18.53	+ 7 29.6	1.141	2.092	12.0	18.3
9 28	1 9.99	+ 6 54.5	1.125	2.111	6.5	18.1
10 8	1 0.23	+ 6 12.1	1.133	2.132	0.7	17.7
10 18	0 50.71	+ 5 30.0	1.166	2.152	5.1	18.1
10 28	0 42.81	+ 4 56.1	1.223	2.173	10.3	18.5
11 7	0 37.48	+ 4 36.1	1.304	2.194	14.8	18.8
11 17	0 35.16	+ 4 32.9	1.403	2.216	18.4	19.1

320464 2007 VY_{268} 10 9.2 320°.92 0°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.74	+11 1.8	1.220	2.113	16.7	20.2
9 18	1 15.38	+10 0.5	1.156	2.105	12.1	20.0
9 28	1 8.50	+ 8 37.2	1.112	2.098	6.7	19.6
10 8	1 0.10	+ 6 59.5	1.092	2.091	0.8	19.2
10 18	0 51.51	+ 5 18.2	1.098	2.085	5.2	19.5
10 28	0 44.17	+ 3 45.9	1.128	2.079	10.8	19.8
11 7	0 39.22	+ 2 33.0	1.181	2.073	15.8	20.1
11 17	0 37.28	+ 1 45.0	1.252	2.068	20.0	20.4

314501 2005 WP_{198} 10 9.2 120°.14 4°.1/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.75	− 5 46.6	2.243	3.132	10.3	20.6
9 18	1 15.71	− 6 25.1	2.192	3.138	7.4	20.4
9 28	1 8.25	− 7 1.4	2.167	3.145	4.8	20.3
10 8	1 0.06	− 7 30.5	2.170	3.151	4.2	20.3
10 18	0 51.91	− 7 48.4	2.202	3.157	6.2	20.4
10 28	0 44.59	− 7 52.0	2.262	3.163	9.0	20.6
11 7	0 38.73	− 7 40.2	2.346	3.168	11.6	20.8
11 17	0 34.75	− 7 13.4	2.452	3.174	13.9	20.9

115378 2003 SO_{270} 10 9.2 5°.86 11°.7/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.91	−17 35.9	1.239	2.147	15.4	18.3
9 18	1 14.57	−19 23.3	1.209	2.147	12.9	18.1
9 28	1 7.90	−20 52.6	1.201	2.148	11.7	18.1
10 8	1 0.03	−21 51.9	1.215	2.150	12.5	18.1
10 18	0 52.26	−22 13.6	1.250	2.154	14.7	18.3
10 28	0 45.89	−21 55.8	1.305	2.158	17.4	18.5
11 7	0 41.84	−21 2.0	1.377	2.164	20.1	18.7
11 17	0 40.56	−19 38.6	1.464	2.171	22.4	18.9

489949 2008 RS_{112} 10 9.2 311°.92 1°.4/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.99	+14 55.1	4.068	4.906	7.2	21.4
9 18	1 9.22	+14 37.6	3.983	4.900	5.4	21.3
9 28	1 4.67	+14 12.3	3.925	4.894	3.4	21.1
10 8	0 59.69	+13 40.9	3.896	4.887	1.6	21.0
10 18	0 54.66	+13 5.3	3.897	4.881	2.0	21.0
10 28	0 49.98	+12 28.2	3.928	4.875	3.9	21.2
11 7	0 46.00	+11 52.3	3.987	4.870	5.9	21.3
11 17	0 43.02	+11 20.1	4.073	4.864	7.6	21.4

140318 2001 SQ_{323} 10 9.2 40°.38 2°.7/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.06	+17 54.5	1.586	2.445	15.4	20.3
9 18	1 13.60	+17 0.7	1.532	2.458	11.6	20.1
9 28	1 7.27	+15 44.3	1.500	2.472	7.3	19.9
10 8	0 59.96	+14 10.7	1.494	2.486	3.4	19.7
10 18	0 52.72	+12 28.0	1.514	2.501	4.0	19.8
10 28	0 46.58	+10 46.2	1.562	2.516	7.9	20.0
11 7	0 42.35	+ 9 14.9	1.635	2.532	11.9	20.3
11 17	0 40.45	+ 8 0.3	1.730	2.548	15.2	20.6

312625 2009 SK_{356} 10 9.2 306°.17 1°.0/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.26	+13 2.9	4.027	4.873	7.1	21.0
9 18	1 9.41	+12 45.3	3.944	4.867	5.2	20.8
9 28	1 4.78	+12 20.7	3.887	4.860	3.1	20.7
10 8	0 59.71	+11 50.8	3.860	4.854	1.3	20.5
10 18	0 54.60	+11 17.6	3.862	4.848	1.9	20.6
10 28	0 49.83	+10 43.8	3.895	4.842	4.0	20.7
11 7	0 45.78	+10 11.8	3.957	4.836	6.0	20.9
11 17	0 42.72	+ 9 44.2	4.045	4.831	7.8	21.0

254430 2004 XY_{116} 10 9.2 32°.97 5°.4/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.07	− 8 16.3	2.052	2.949	10.7	19.7
9 18	1 13.95	− 9 17.7	2.007	2.954	7.9	19.5
9 28	1 7.35	−10 15.0	1.986	2.958	5.8	19.4
10 8	0 59.98	−11 1.9	1.993	2.963	5.6	19.4
10 18	0 52.65	−11 33.4	2.027	2.968	7.6	19.5
10 28	0 46.16	−11 45.8	2.086	2.973	10.3	19.7
11 7	0 41.19	−11 38.5	2.169	2.979	12.9	19.9
11 17	0 38.14	−11 12.4	2.272	2.984	15.1	20.1

14262 Kratzer 10 9.2 3°.91 0°.8/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.64	+ 8 50.3	1.122	2.028	16.9	17.0
9 18	1 13.91	+ 7 43.8	1.070	2.026	12.0	16.7
9 28	1 7.68	+ 6 18.2	1.037	2.026	6.4	16.4
10 8	1 0.03	+ 4 42.8	1.028	2.027	0.9	16.0
10 18	0 52.31	+ 3 9.1	1.044	2.029	5.7	16.4
10 28	0 45.95	+ 1 49.5	1.083	2.032	11.3	16.7
11 7	0 42.00	+ 0 52.5	1.143	2.036	16.2	17.0
11 17	0 41.01	+ 0 21.9	1.221	2.041	20.2	17.3

441786 2009 DF_{89} 10 9.2 356°.30 1°.3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.51	+ 3 59.3	1.701	2.589	13.0	20.7
9 18	1 16.72	+ 3 39.6	1.639	2.588	9.1	20.4
9 28	1 8.99	+ 3 13.1	1.600	2.587	4.9	20.2
10 8	1 0.17	+ 2 44.4	1.589	2.587	1.3	20.0
10 18	0 51.28	+ 2 18.7	1.605	2.587	4.8	20.2
10 28	0 43.39	+ 2 1.2	1.648	2.586	9.0	20.5
11 7	0 37.37	+ 1 55.8	1.715	2.587	12.8	20.7
11 17	0 33.74	+ 2 4.4	1.803	2.587	16.0	20.9

10216 Popastro 10 9.2 308°.40 2°.6/ 6.7 18

9 8	1 18.88	+ 2 30.3	1.699	2.596	12.5	17.4
9 18	1 14.25	+ 1 29.4	1.628	2.582	8.8	17.1
9 28	1 7.72	+ 0 20.6	1.581	2.569	4.8	16.9
10 8	1 0.05	− 0 49.4	1.560	2.555	2.7	16.7
10 18	0 52.21	− 1 53.0	1.567	2.542	5.9	16.9
10 28	0 45.23	− 2 42.9	1.600	2.529	10.0	17.1
11 7	0 40.01	− 3 14.3	1.656	2.516	13.8	17.3
11 17	0 37.08	− 3 25.0	1.732	2.504	17.1	17.5

50350 2000 CD_{70} 10 9.2 94°.79 4°.4/13.6 18 R

9 8	1 22.88	+20 56.5	1.953	2.778	14.2	18.5
9 18	1 16.84	+20 57.9	1.891	2.792	11.1	18.3
9 28	1 9.00	+20 39.7	1.852	2.805	7.8	18.1
10 8	1 0.18	+20 3.3	1.839	2.818	5.0	18.0
10 18	0 51.35	+19 12.3	1.853	2.831	4.8	18.0
10 28	0 43.52	+18 13.1	1.895	2.843	7.3	18.2
11 7	0 37.46	+17 13.0	1.964	2.856	10.4	18.4
11 17	0 33.68	+16 18.4	2.056	2.868	13.3	18.6

2584 Turkmenia 10 9.2 79°.46 0°.7/ 8.7 18

9 8	1 24.73	+ 7 5.8	1.296	2.188	16.0	16.2
9 18	1 18.65	+ 6 31.0	1.245	2.195	11.3	16.0
9 28	1 10.14	+ 5 43.3	1.216	2.203	6.1	15.7
10 8	1 0.31	+ 4 49.2	1.211	2.210	0.8	15.4
10 18	0 50.50	+ 3 56.6	1.233	2.218	5.2	15.7
10 28	0 42.11	+ 3 13.7	1.280	2.225	10.4	16.0
11 7	0 36.15	+ 2 46.5	1.350	2.233	14.9	16.3
11 17	0 33.14	+ 2 38.0	1.439	2.240	18.6	16.6

323001 2002 PM_{52} 10 9.2 55°.83 2°.4/10.8 16

9 8	1 28.15	+13 14.3	1.140	2.019	18.7	20.4
9 18	1 20.94	+13 7.4	1.112	2.051	13.6	20.2
9 28	1 11.23	+12 40.1	1.104	2.083	8.0	20.0
10 8	1 0.40	+11 57.2	1.120	2.116	2.9	19.8
10 18	0 50.02	+11 6.6	1.161	2.148	4.8	20.0
10 28	0 41.52	+10 17.6	1.227	2.181	9.7	20.4
11 7	0 35.81	+ 9 38.4	1.316	2.214	14.2	20.7
11 17	0 33.26	+ 9 13.6	1.425	2.246	17.7	21.1

346263 2008 FR_{83} 10 9.2 263°.39 1°.1/ 7.6 18

9 8	1 15.91	+ 3 14.2	3.319	4.196	7.6	21.4
9 18	1 11.39	+ 2 43.3	3.238	4.183	5.3	21.2
9 28	1 5.91	+ 2 8.7	3.184	4.170	2.8	21.0
10 8	0 59.86	+ 1 33.2	3.160	4.157	1.1	20.9
10 18	0 53.74	+ 0 59.7	3.166	4.143	3.1	21.0
10 28	0 48.04	+ 0 31.3	3.202	4.130	5.6	21.2
11 7	0 43.22	+ 0 10.6	3.265	4.116	7.9	21.3
11 17	0 39.62	− 0 0.8	3.352	4.102	10.0	21.4

368485 2003 SK_{303} 10 9.2 355°.22 5°.4/13.2 18

9 8	1 17.91	+19 40.5	1.043	1.921	20.2	19.8
9 18	1 14.48	+19 36.1	0.984	1.916	15.7	19.5
9 28	1 8.18	+18 59.6	0.942	1.912	10.8	19.3
10 8	1 0.13	+17 52.9	0.920	1.909	6.3	19.0
10 18	0 51.84	+16 23.7	0.921	1.907	6.2	19.0
10 28	0 45.01	+14 45.2	0.945	1.907	10.6	19.2
11 7	0 40.90	+13 12.1	0.990	1.908	15.6	19.5
11 17	0 40.16	+11 55.7	1.054	1.911	20.0	19.8

449035 2012 CT_{36} 10 9.2 272°.23 3°.8/ 4.8 18

9 8	1 18.18	− 2 32.4	2.114	3.010	10.5	21.6
9 18	1 13.40	− 3 44.8	2.052	3.004	7.4	21.4
9 28	1 7.12	− 4 59.3	2.015	2.997	4.6	21.2
10 8	1 0.00	− 6 9.3	2.006	2.991	4.0	21.2
10 18	0 52.81	− 7 8.6	2.026	2.984	6.4	21.3
10 28	0 46.37	− 7 52.0	2.073	2.978	9.5	21.5
11 7	0 41.34	− 8 16.6	2.143	2.971	12.4	21.7
11 17	0 38.19	− 8 21.8	2.235	2.965	14.9	21.8

322983 2002 NP_{59} 10 9.2 108°.02 6°.2/30.9 18

9 8	1 19.31	−14 43.7	2.590	3.473	9.3	21.1
9 18	1 13.84	−15 58.3	2.562	3.490	7.4	21.0
9 28	1 7.20	−17 4.6	2.561	3.507	6.3	21.0
10 8	1 0.00	−17 57.1	2.587	3.524	6.6	21.0
10 18	0 52.90	−18 31.9	2.641	3.541	8.0	21.1
10 28	0 46.55	−18 46.9	2.720	3.557	9.9	21.3
11 7	0 41.47	−18 42.3	2.822	3.572	11.7	21.4
11 17	0 38.01	−18 19.6	2.944	3.588	13.3	21.6

227297 2005 SH_{232} 10 9.2 226°.07 1°.7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 25.89	+ 2 56.3	1.703	2.588	13.2	20.4
9 18	1 19.18	+ 2 38.2	1.636	2.584	9.3	20.1
9 28	1 10.38	+ 2 14.2	1.592	2.578	5.0	19.9
10 8	1 0.36	+ 1 49.0	1.576	2.573	1.7	19.7
10 18	0 50.21	+ 1 27.6	1.587	2.567	5.1	19.9
10 28	0 41.08	+ 1 15.2	1.626	2.561	9.4	20.1
11 7	0 33.92	+ 1 15.4	1.690	2.555	13.3	20.4
11 17	0 29.30	+ 1 29.7	1.775	2.549	16.6	20.6

428641 2008 FC_{135} 10 9.2 137°.89 1°.5/ 7.8 17

9 8	1 23.59	+ 5 12.0	1.690	2.575	13.3	21.8
9 18	1 17.41	+ 4 18.4	1.635	2.583	9.3	21.5
9 28	1 9.33	+ 3 15.6	1.605	2.592	4.9	21.3
10 8	1 0.24	+ 2 10.1	1.602	2.600	1.5	21.1
10 18	0 51.19	+ 1 9.1	1.628	2.608	5.0	21.4
10 28	0 43.24	+ 0 19.2	1.680	2.615	9.2	21.6
11 7	0 37.20	− 0 14.6	1.758	2.621	13.0	21.9
11 17	0 33.57	− 0 30.4	1.856	2.628	16.1	22.1

437729 2014 DH_{135} 10 9.2 325°.31 1°.8/ 5.8 16

9 8	1 12.78	− 1 33.0	4.089	4.974	6.1	21.4
9 18	1 9.04	− 2 9.7	4.024	4.972	4.3	21.3
9 28	1 4.58	− 2 47.2	3.988	4.971	2.5	21.2
10 8	0 59.74	− 3 22.9	3.981	4.969	1.9	21.1
10 18	0 54.88	− 3 54.4	4.004	4.968	3.2	21.2
10 28	0 50.36	− 4 19.3	4.056	4.966	5.1	21.3
11 7	0 46.54	− 4 36.1	4.136	4.965	6.9	21.5
11 17	0 43.66	− 4 43.8	4.239	4.963	8.4	21.6

7494 Xiwanggongcheng 10 9.2 202°.36 3°.6/13.4 18 R

9 8	1 19.94	+20 15.7	2.358	3.181	12.2	17.4
9 18	1 14.62	+20 7.7	2.279	3.179	9.5	17.2
9 28	1 7.79	+19 43.1	2.224	3.178	6.6	17.0
10 8	1 0.09	+19 3.2	2.195	3.176	4.1	16.9
10 18	0 52.28	+18 11.4	2.195	3.174	4.0	16.9
10 28	0 45.18	+17 12.7	2.223	3.172	6.4	17.0
11 7	0 39.48	+16 13.1	2.279	3.169	9.3	17.2
11 17	0 35.67	+15 18.4	2.359	3.167	12.0	17.4

184248 2004 SX_{11} 10 9.2 61°.10 8°.4/30.9 18

9 8	1 21.94	−17 9.0	1.898	2.784	12.0	19.5
9 18	1 15.93	−18 22.0	1.880	2.806	9.7	19.4
9 28	1 8.38	−19 21.5	1.885	2.827	8.5	19.4
10 8	1 0.14	−20 0.6	1.916	2.848	8.8	19.5
10 18	0 52.12	−20 15.2	1.972	2.870	10.4	19.6
10 28	0 45.22	−20 4.0	2.052	2.891	12.5	19.8
11 7	0 40.07	−19 29.1	2.153	2.913	14.6	20.0
11 17	0 37.02	−18 33.9	2.272	2.934	16.3	20.2

386945 2011 QR_{57} 10 9.2 131°.39 5°.0/14.4 18

9 8	1 24.03	+23 13.2	2.081	2.889	14.1	21.6
9 18	1 17.63	+23 19.6	2.013	2.900	11.2	21.4
9 28	1 9.45	+23 5.7	1.969	2.910	8.2	21.3
10 8	1 0.27	+22 32.2	1.949	2.921	5.7	21.1
10 18	0 51.04	+21 42.3	1.958	2.930	5.2	21.1
10 28	0 42.75	+20 41.7	1.995	2.939	7.3	21.3
11 7	0 36.21	+19 37.9	2.059	2.948	10.2	21.5
11 17	0 31.91	+18 37.5	2.147	2.956	12.9	21.7

33323 1998 QN_{53} 10 9.2 112°.38 1°.5/11.1 18

9 8	1 18.75	+14 44.6	2.560	3.406	10.6	17.9
9 18	1 13.52	+14 1.4	2.500	3.423	7.8	17.7
9 28	1 7.07	+13 5.8	2.466	3.439	4.7	17.5
10 8	1 0.01	+12 1.2	2.460	3.454	1.8	17.4
10 18	0 52.99	+10 52.1	2.484	3.470	2.8	17.5
10 28	0 46.68	+ 9 43.8	2.537	3.485	5.8	17.7
11 7	0 41.64	+ 8 41.4	2.619	3.499	8.6	17.9
11 17	0 38.22	+ 7 48.8	2.726	3.514	11.1	18.1

523642 2010 SS_{43} 10 9.2 320°.90 0°.7/21.6 18

9 8	1 2.23	+36 3.8	38.192	38.850	1.1	21.9
9 18	1 1.32	+36 4.4	38.095	38.846	1.0	21.9
9 28	1 0.33	+36 3.4	38.020	38.841	0.9	21.9
10 8	0 59.30	+36 0.9	37.969	38.836	0.7	21.9
10 18	0 58.26	+35 57.1	37.944	38.831	0.7	21.9
10 28	0 57.26	+35 52.0	37.947	38.826	0.7	21.9
11 7	0 56.32	+35 45.9	37.976	38.822	0.8	21.9
11 17	0 55.49	+35 39.1	38.031	38.817	0.9	21.9

394854 2008 TT_{44} 10 9.2 298°.24 2°.3/11.4 16

9 8	1 18.77	+16 21.0	1.599	2.462	15.1	22.1
9 18	1 14.50	+15 29.4	1.506	2.436	11.4	21.8
9 28	1 8.04	+14 13.1	1.435	2.410	7.1	21.5
10 8	1 0.14	+12 35.8	1.389	2.384	2.9	21.2
10 18	0 51.87	+10 44.9	1.370	2.358	4.2	21.2
10 28	0 44.43	+ 8 51.3	1.379	2.332	8.9	21.4
11 7	0 38.90	+ 7 6.3	1.412	2.307	13.6	21.6
11 17	0 35.97	+ 5 39.0	1.467	2.281	17.6	21.8

66804 1999 TE_{281} 10 9.2 97°.91 5°.2/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.96	− 4 32.7	1.771	2.670	12.0	19.1
9 18	1 15.39	− 6 9.2	1.734	2.686	8.6	18.9
9 28	1 8.17	− 7 44.4	1.724	2.702	5.8	18.8
10 8	1 0.13	− 9 9.6	1.740	2.717	5.5	18.8
10 18	0 52.21	−10 17.3	1.784	2.732	7.9	19.0
10 28	0 45.35	−11 2.5	1.854	2.747	11.0	19.2
11 7	0 40.24	−11 23.5	1.947	2.762	13.9	19.4
11 17	0 37.30	−11 21.4	2.059	2.776	16.3	19.7

322571 2011 YO_{73} 10 9.2 258°.29 0°.6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.69	+ 3 54.7	4.517	5.391	5.8	21.5
9 18	1 8.94	+ 3 30.6	4.443	5.386	4.0	21.4
9 28	1 4.52	+ 3 3.7	4.396	5.381	2.1	21.2
10 8	0 59.75	+ 2 36.0	4.378	5.376	0.6	21.1
10 18	0 54.94	+ 2 9.5	4.392	5.371	2.2	21.2
10 28	0 50.43	+ 1 46.2	4.436	5.366	4.1	21.4
11 7	0 46.55	+ 1 28.1	4.507	5.361	5.9	21.5
11 17	0 43.53	+ 1 16.3	4.604	5.356	7.4	21.6

395563 2011 UT_{219} 10 9.2 144°.57 3°.3/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.79	− 3 16.9	2.044	2.929	11.3	21.3
9 18	1 18.71	− 3 35.1	1.987	2.934	8.0	21.1
9 28	1 9.97	− 3 52.7	1.956	2.938	4.8	20.9
10 8	1 0.34	− 4 5.1	1.953	2.942	3.4	20.8
10 18	0 50.73	− 4 8.5	1.980	2.946	5.7	21.0
10 28	0 42.08	− 3 59.9	2.034	2.950	9.0	21.2
11 7	0 35.12	− 3 38.1	2.114	2.954	12.1	21.4
11 17	0 30.32	− 3 3.2	2.216	2.957	14.7	21.6

258569 2002 CT_{117} 10 9.2 165°.86 0°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.54	+ 9 39.6	2.740	3.601	9.6	21.9
9 18	1 14.06	+ 9 9.0	2.671	3.605	6.8	21.7
9 28	1 7.39	+ 8 29.9	2.628	3.609	3.8	21.5
10 8	1 0.07	+ 7 45.5	2.614	3.613	0.6	21.3
10 18	0 52.72	+ 6 59.3	2.631	3.616	2.7	21.5
10 28	0 45.98	+ 6 15.6	2.677	3.619	5.8	21.7
11 7	0 40.42	+ 5 38.2	2.751	3.621	8.6	21.9
11 17	0 36.41	+ 5 9.9	2.850	3.623	11.0	22.1

420826 2013 HM_{120} 10 9.2 31°.17 5°.2/ 6.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 32.50	− 9 15.2	1.632	2.516	13.7	19.7
9 18	1 23.51	− 8 51.9	1.592	2.534	10.0	19.5
9 28	1 12.51	− 8 20.4	1.577	2.553	6.6	19.3
10 8	1 0.60	− 7 37.1	1.590	2.572	5.2	19.3
10 18	0 49.03	− 6 40.5	1.632	2.593	7.4	19.5
10 28	0 38.96	− 5 30.9	1.701	2.613	10.7	19.7
11 7	0 31.21	− 4 10.3	1.796	2.635	13.9	20.0
11 17	0 26.19	− 2 41.2	1.912	2.657	16.6	20.2

304346 2006 SZ_{266} 10 9.2 273°.18 1°.9/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.44	+13 46.2	1.973	2.832	12.8	21.0
9 18	1 15.19	+13 26.6	1.896	2.826	9.5	20.8
9 28	1 8.20	+12 52.2	1.843	2.819	5.8	20.5
10 8	1 0.17	+12 5.8	1.817	2.812	2.3	20.3
10 18	0 51.98	+11 12.0	1.818	2.805	3.5	20.4
10 28	0 44.60	+10 17.0	1.848	2.798	7.3	20.6
11 7	0 38.83	+ 9 27.3	1.904	2.791	11.0	20.8
11 17	0 35.20	+ 8 47.7	1.982	2.784	14.1	21.0

335540 2006 BY_{5} 10 9.2 335°.00 3°.3/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.59	+16 1.1	1.277	2.154	17.2	19.9
9 18	1 14.66	+15 45.2	1.205	2.142	13.1	19.6
9 28	1 8.21	+15 5.0	1.154	2.130	8.3	19.3
10 8	1 0.18	+14 3.4	1.125	2.119	3.9	19.0
10 18	0 51.86	+12 47.4	1.121	2.109	4.9	19.1
10 28	0 44.68	+11 27.4	1.142	2.100	9.7	19.3
11 7	0 39.81	+10 14.7	1.185	2.092	14.5	19.6
11 17	0 37.94	+ 9 17.5	1.247	2.085	18.7	19.8

95947 2003 NG_{1} 10 9.2 87°.42 5°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.34	+24 43.5	2.269	3.069	13.3	19.1
9 18	1 14.96	+24 44.8	2.198	3.077	10.7	18.9
9 28	1 8.00	+24 26.4	2.149	3.084	8.0	18.8
10 8	1 0.16	+23 49.1	2.126	3.092	5.7	18.6
10 18	0 52.25	+22 55.6	2.130	3.099	5.2	18.6
10 28	0 45.14	+21 51.5	2.163	3.107	6.9	18.7
11 7	0 39.56	+20 43.5	2.222	3.114	9.4	18.9
11 17	0 35.98	+19 38.1	2.306	3.121	12.0	19.1

485228 2010 VJ_{27} 10 9.2 343°.46 3°.3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.85	+18 42.2	1.885	2.730	13.9	20.6
9 18	1 13.44	+18 16.7	1.810	2.726	10.7	20.3
9 28	1 7.28	+17 31.3	1.757	2.722	7.1	20.1
10 8	1 0.08	+16 28.6	1.730	2.718	3.9	19.9
10 18	0 52.77	+15 13.6	1.730	2.714	4.0	19.9
10 28	0 46.30	+13 53.8	1.758	2.711	7.3	20.1
11 7	0 41.47	+12 37.3	1.811	2.709	10.9	20.3
11 17	0 38.81	+11 30.7	1.888	2.707	14.1	20.5

289717 2005 JP_{4} 10 9.2 134°.61 3°.6/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.53	− 3 9.0	2.357	3.245	9.9	21.8
9 18	1 14.82	− 4 21.3	2.311	3.259	7.0	21.6
9 28	1 7.80	− 5 33.9	2.293	3.273	4.4	21.5
10 8	1 0.14	− 6 40.8	2.303	3.285	3.8	21.4
10 18	0 52.53	− 7 36.7	2.343	3.298	5.9	21.6
10 28	0 45.70	− 8 17.6	2.411	3.309	8.6	21.8
11 7	0 40.25	− 8 41.2	2.504	3.320	11.2	22.0
11 17	0 36.54	− 8 47.5	2.618	3.331	13.3	22.2

111375 2001 XQ_{147} 10 9.2 290°.92 0°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.51	+ 7 43.6	1.973	2.852	11.9	20.0
9 18	1 14.49	+ 7 5.6	1.901	2.845	8.5	19.7
9 28	1 7.80	+ 6 17.2	1.854	2.839	4.6	19.5
10 8	1 0.15	+ 5 22.9	1.834	2.833	0.5	19.2
10 18	0 52.39	+ 4 28.3	1.842	2.827	3.9	19.4
10 28	0 45.41	+ 3 39.5	1.879	2.820	7.9	19.7
11 7	0 40.00	+ 3 1.5	1.940	2.814	11.5	19.9
11 17	0 36.64	+ 2 37.7	2.024	2.808	14.5	20.1

455049 2015 UV_{10} 10 9.2 274°.42 1°.2/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.24	+ 3 43.3	2.119	3.000	11.1	21.5
9 18	1 16.37	+ 3 25.9	2.041	2.987	7.9	21.3
9 28	1 8.83	+ 3 2.9	1.987	2.973	4.2	21.0
10 8	1 0.27	+ 2 38.0	1.962	2.960	1.2	20.8
10 18	0 51.54	+ 2 15.3	1.965	2.946	4.2	21.0
10 28	0 43.54	+ 1 59.2	1.997	2.932	7.9	21.2
11 7	0 37.04	+ 1 53.1	2.055	2.918	11.4	21.4
11 17	0 32.57	+ 1 59.0	2.135	2.905	14.3	21.6

277202 2005 QP_{78} 10 9.2 337°.62 1°.3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.51	+ 7 23.9	1.269	2.170	15.6	20.2
9 18	1 14.45	+ 6 16.7	1.207	2.162	11.0	19.9
9 28	1 8.02	+ 4 53.0	1.166	2.155	5.9	19.6
10 8	1 0.19	+ 3 21.3	1.150	2.148	1.3	19.2
10 18	0 52.20	+ 1 52.0	1.159	2.142	5.8	19.5
10 28	0 45.39	+ 0 36.3	1.193	2.137	11.1	19.8
11 7	0 40.81	− 0 17.9	1.248	2.133	15.7	20.1
11 17	0 39.06	− 0 46.8	1.322	2.129	19.6	20.3

14224 Gaede 10 9.2 330°.39 0°.7/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.19	+ 9 45.3	1.391	2.281	15.2	17.8
9 18	1 14.93	+ 9 24.4	1.316	2.265	11.1	17.6
9 28	1 8.32	+ 8 47.7	1.264	2.249	6.2	17.3
10 8	1 0.23	+ 7 59.6	1.235	2.233	1.1	16.9
10 18	0 51.84	+ 7 6.8	1.231	2.219	4.6	17.1
10 28	0 44.46	+ 6 17.6	1.253	2.206	9.8	17.3
11 7	0 39.19	+ 5 39.7	1.298	2.193	14.5	17.6
11 17	0 36.71	+ 5 18.4	1.362	2.182	18.5	17.8

432611 2010 UV_{16} 10 9.2 71°.17 4°.7/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.05	−19 42.0	4.335	5.200	6.3	20.2
9 18	1 10.59	−20 15.5	4.296	5.203	5.2	20.2
9 28	1 5.43	−20 42.1	4.283	5.206	4.7	20.1
10 8	0 59.91	−20 59.3	4.298	5.209	5.0	20.2
10 18	0 54.40	−21 5.1	4.340	5.212	5.8	20.2
10 28	0 49.31	−20 58.5	4.409	5.215	6.9	20.3
11 7	0 44.95	−20 39.4	4.501	5.218	8.1	20.4
11 17	0 41.59	−20 8.6	4.614	5.221	9.1	20.5

346620 2008 WE_{95} 10 9.2 306°.29 4°.8/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.79	− 0 50.4	1.516	2.424	13.1	20.2
9 18	1 13.71	− 2 38.6	1.447	2.405	9.3	19.9
9 28	1 7.57	− 4 34.8	1.402	2.387	5.8	19.7
10 8	1 0.16	− 6 28.5	1.383	2.369	5.2	19.6
10 18	0 52.52	− 8 8.2	1.391	2.351	8.4	19.8
10 28	0 45.80	− 9 24.5	1.424	2.334	12.6	20.0
11 7	0 40.97	−10 12.1	1.478	2.317	16.4	20.2
11 17	0 38.63	−10 29.9	1.551	2.300	19.6	20.3

51897 2001 QN_{35} 10 9.2 214°.75 3°.4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.97	+17 33.6	1.966	2.808	13.5	19.4
9 18	1 16.31	+17 31.0	1.892	2.807	10.4	19.2
9 28	1 8.83	+17 11.3	1.841	2.806	6.9	19.0
10 8	1 0.29	+16 36.2	1.817	2.804	3.8	18.8
10 18	0 51.61	+15 49.3	1.820	2.803	4.1	18.8
10 28	0 43.79	+14 56.7	1.851	2.801	7.3	19.0
11 7	0 37.67	+14 5.0	1.908	2.800	10.7	19.2
11 17	0 33.77	+13 20.2	1.989	2.798	13.8	19.4

351806 2006 KP_{68} 10 9.2 26°.27 7°.8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.98	−10 53.0	1.203	2.110	15.8	19.3
9 18	1 19.42	−11 18.6	1.174	2.124	11.9	19.1
9 28	1 10.48	−11 32.8	1.167	2.140	8.6	19.0
10 8	1 0.45	−11 28.2	1.183	2.157	8.0	19.0
10 18	0 50.76	−11 0.4	1.223	2.176	10.3	19.2
10 28	0 42.76	−10 8.8	1.287	2.195	13.8	19.4
11 7	0 37.33	− 8 56.2	1.371	2.215	17.1	19.7
11 17	0 34.85	− 7 27.1	1.474	2.236	20.0	20.0

327736 2006 SG_{328} 10 9.2 36°.84 2°.0/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.95	+ 6 26.8	1.115	2.022	16.8	20.1
9 18	1 15.43	+ 5 8.6	1.075	2.033	11.7	19.8
9 28	1 8.47	+ 3 36.1	1.055	2.045	6.1	19.5
10 8	1 0.25	+ 2 0.0	1.060	2.058	2.0	19.3
10 18	0 52.14	+ 0 32.1	1.089	2.071	6.4	19.7
10 28	0 45.53	− 0 36.9	1.141	2.085	11.6	20.0
11 7	0 41.38	− 1 20.8	1.216	2.099	16.2	20.3
11 17	0 40.13	− 1 38.1	1.308	2.114	19.8	20.6

133358 2003 SY_{127} 10 9.2 25°.70 1°.0/ 8.3 18

9 8	1 19.48	+ 7 21.9	1.601	2.490	13.6	19.3
9 18	1 14.68	+ 6 20.0	1.543	2.492	9.6	19.1
9 28	1 7.97	+ 5 5.6	1.508	2.495	5.1	18.8
10 8	1 0.21	+ 3 45.6	1.499	2.497	1.0	18.5
10 18	0 52.40	+ 2 28.0	1.517	2.500	4.8	18.8
10 28	0 45.63	+ 1 21.2	1.563	2.503	9.3	19.1
11 7	0 40.72	+ 0 31.1	1.632	2.507	13.2	19.3
11 17	0 38.17	+ 0 1.0	1.722	2.510	16.5	19.6

40142 1998 QT_{70} 10 9.2 43°.85 3°.2/12.8 18

9 8	1 18.09	+19 15.4	1.854	2.698	14.1	18.6
9 18	1 13.49	+18 35.4	1.797	2.712	10.8	18.4
9 28	1 7.24	+17 35.1	1.763	2.728	7.1	18.2
10 8	1 0.12	+16 18.2	1.755	2.743	3.8	18.1
10 18	0 53.05	+14 51.0	1.774	2.759	3.9	18.1
10 28	0 46.95	+13 21.6	1.822	2.776	7.1	18.3
11 7	0 42.52	+11 58.1	1.896	2.792	10.5	18.6
11 17	0 40.20	+10 46.7	1.993	2.809	13.5	18.8

4293 Masumi 10 9.2 287°.16 4°.0/ 5.8 18

9 8	1 23.12	− 3 3.4	1.851	2.744	11.9	16.3
9 18	1 17.28	− 3 43.5	1.771	2.721	8.5	16.1
9 28	1 9.46	− 4 25.1	1.715	2.698	5.2	15.9
10 8	1 0.41	− 5 2.2	1.686	2.674	4.1	15.7
10 18	0 51.07	− 5 28.6	1.685	2.650	6.7	15.9
10 28	0 42.54	− 5 39.5	1.711	2.626	10.5	16.0
11 7	0 35.71	− 5 32.2	1.761	2.603	14.0	16.2
11 17	0 31.21	− 5 6.3	1.831	2.579	17.1	16.4

488107 2015 VZ_{77} 10 9.2 313°.80 5°.5/ 3.8 17

9 8	1 20.20	− 8 12.5	1.954	2.851	11.2	21.1
9 18	1 14.98	− 9 7.2	1.893	2.840	8.3	20.9
9 28	1 8.09	− 9 58.5	1.856	2.829	6.0	20.8
10 8	1 0.25	−10 39.7	1.846	2.818	5.8	20.7
10 18	0 52.30	−11 5.4	1.863	2.807	7.9	20.9
10 28	0 45.19	−11 11.5	1.905	2.797	10.9	21.0
11 7	0 39.66	−10 56.9	1.971	2.787	13.8	21.2
11 17	0 36.22	−10 22.7	2.056	2.777	16.3	21.4

513516 2009 ST_{313} 10 9.2 340°.04 0°.9/ 9.8 18

9 8	1 22.45	+ 9 22.5	1.238	2.131	16.5	21.2
9 18	1 17.41	+ 9 17.6	1.174	2.123	12.0	20.9
9 28	1 9.73	+ 8 57.4	1.131	2.116	6.8	20.6
10 8	1 0.44	+ 8 25.8	1.111	2.109	1.4	20.2
10 18	0 50.90	+ 7 49.2	1.115	2.103	4.8	20.5
10 28	0 42.61	+ 7 15.7	1.145	2.098	10.3	20.8
11 7	0 36.78	+ 6 52.7	1.196	2.094	15.2	21.0
11 17	0 34.06	+ 6 44.8	1.266	2.091	19.3	21.3

332005 2005 LG_{18} 10 9.2 189°.18 1°.1/ 8.2 17

9 8	1 23.88	+ 6 24.7	1.827	2.706	12.7	21.9
9 18	1 17.67	+ 5 31.3	1.760	2.705	9.0	21.7
9 28	1 9.58	+ 4 27.4	1.718	2.704	4.8	21.4
10 8	1 0.43	+ 3 18.9	1.703	2.702	1.1	21.2
10 18	0 51.20	+ 2 12.4	1.718	2.699	4.6	21.4
10 28	0 42.92	+ 1 15.0	1.760	2.696	8.8	21.7
11 7	0 36.44	+ 0 32.1	1.828	2.692	12.6	21.9
11 17	0 32.27	+ 0 6.6	1.918	2.687	15.7	22.1

39793 1997 SZ_{23} 10 9.2 264°.43 0°.4/ 8.4 18

9 8	1 14.40	+ 4 40.9	4.394	5.264	6.1	19.9
9 18	1 10.18	+ 4 28.3	4.318	5.259	4.2	19.8
9 28	1 5.26	+ 4 12.7	4.270	5.254	2.2	19.6
10 8	0 59.96	+ 3 55.9	4.251	5.249	0.4	19.4
10 18	0 54.60	+ 3 39.7	4.263	5.245	2.1	19.6
10 28	0 49.57	+ 3 26.1	4.306	5.240	4.1	19.7
11 7	0 45.20	+ 3 16.8	4.377	5.235	5.9	19.9
11 17	0 41.75	+ 3 13.0	4.473	5.230	7.5	20.0

406978 2009 QS_{61} 10 9.2 299°.26 3°.7/ 4.6 18

9 8	1 16.85	− 1 11.9	2.081	2.978	10.6	20.6
9 18	1 12.55	− 2 44.4	2.016	2.969	7.4	20.4
9 28	1 6.76	− 4 21.2	1.977	2.960	4.6	20.2
10 8	1 0.12	− 5 54.8	1.967	2.952	4.0	20.2
10 18	0 53.39	− 7 17.7	1.985	2.943	6.5	20.3
10 28	0 47.37	− 8 23.7	2.030	2.935	9.7	20.5
11 7	0 42.75	− 9 9.0	2.100	2.927	12.6	20.7
11 17	0 39.99	− 9 32.4	2.189	2.918	15.2	20.9

255213 2005 UW_{353} 10 9.2 25°.30 2°.6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.65	+14 23.8	1.814	2.673	13.7	19.8
9 18	1 16.14	+14 27.1	1.751	2.678	10.3	19.6
9 28	1 8.77	+14 15.4	1.710	2.683	6.4	19.4
10 8	1 0.35	+13 50.8	1.695	2.688	3.0	19.2
10 18	0 51.85	+13 17.1	1.708	2.694	3.9	19.3
10 28	0 44.30	+12 40.1	1.748	2.700	7.5	19.5
11 7	0 38.53	+12 6.0	1.813	2.706	11.2	19.7
11 17	0 35.06	+11 39.6	1.902	2.713	14.3	20.0

141663 2002 JX_{86} 10 9.2 131°.28 0°.1/ 9.3 17

9 8	1 25.38	+ 8 37.2	1.468	2.350	15.1	20.2
9 18	1 19.02	+ 8 10.1	1.411	2.355	10.8	20.0
9 28	1 10.41	+ 7 29.8	1.376	2.361	5.9	19.7
10 8	1 0.53	+ 6 41.2	1.367	2.366	0.7	19.4
10 18	0 50.62	+ 5 51.1	1.385	2.370	4.5	19.7
10 28	0 41.96	+ 5 7.2	1.429	2.375	9.4	20.0
11 7	0 35.52	+ 4 35.5	1.497	2.379	13.7	20.2
11 17	0 31.85	+ 4 19.7	1.586	2.383	17.3	20.5

479402 2013 YB_{33} 10 9.2 254°.08 2°.2/ 7.3 18

9 8	1 23.32	+ 2 58.4	1.715	2.604	12.9	22.1
9 18	1 17.49	+ 2 10.6	1.639	2.590	9.1	21.8
9 28	1 9.60	+ 1 14.9	1.588	2.575	4.9	21.6
10 8	1 0.45	+ 0 17.4	1.564	2.560	2.2	21.4
10 18	0 51.07	− 0 35.2	1.567	2.545	5.6	21.6
10 28	0 42.59	− 1 15.8	1.598	2.529	9.9	21.8
11 7	0 35.97	− 1 39.9	1.653	2.513	13.9	22.0
11 17	0 31.80	− 1 45.2	1.728	2.496	17.2	22.2

251955 1999 XR_{129} 10 9.2 279°.29 1°.5/ 7.8 17

9 8	1 22.85	+ 2 18.5	2.372	3.250	10.2	19.9
9 18	1 16.78	+ 2 1.8	2.279	3.224	7.2	19.7
9 28	1 9.10	+ 1 40.9	2.212	3.197	3.9	19.4
10 8	1 0.40	+ 1 19.2	2.174	3.171	1.5	19.2
10 18	0 51.43	+ 1 0.5	2.165	3.143	4.2	19.3
10 28	0 43.04	+ 0 48.5	2.186	3.116	7.7	19.5
11 7	0 35.98	+ 0 46.5	2.233	3.088	10.9	19.7
11 17	0 30.80	+ 0 56.1	2.303	3.060	13.8	19.8

139156 2001 FP_{106} 10 9.2 296°.43 3°.6/11.9 18

9 8	1 22.07	+16 43.8	1.370	2.236	16.9	19.6
9 18	1 17.16	+16 33.6	1.291	2.221	13.0	19.3
9 28	1 9.65	+15 59.8	1.233	2.205	8.4	19.1
10 8	1 0.47	+15 4.3	1.198	2.190	4.2	18.8
10 18	0 50.90	+13 52.8	1.189	2.175	5.0	18.8
10 28	0 42.40	+12 34.9	1.204	2.160	9.6	19.0
11 7	0 36.20	+11 21.7	1.243	2.146	14.4	19.2
11 17	0 33.06	+10 21.9	1.303	2.132	18.6	19.5

4380 Geyer 10 9.2 346°.10 2°.9/11.9 18

9 8	1 22.16	+15 24.6	2.012	2.861	13.0	16.4
9 18	1 16.44	+15 36.8	1.938	2.859	9.8	16.2
9 28	1 8.94	+15 34.8	1.888	2.857	6.4	15.9
10 8	1 0.38	+15 19.9	1.865	2.855	3.3	15.8
10 18	0 51.67	+14 54.9	1.869	2.853	3.9	15.8
10 28	0 43.78	+14 24.8	1.902	2.852	7.2	16.0
11 7	0 37.52	+13 55.1	1.961	2.851	10.6	16.2
11 17	0 33.44	+13 30.7	2.042	2.850	13.6	16.4

515325 2012 XO_{154} 10 9.2 311°.41 4°.2/ 4.9 18

9 8	1 17.44	+ 1 4.5	1.505	2.412	13.3	20.4
9 18	1 13.47	− 0 45.1	1.438	2.397	9.3	20.1
9 28	1 7.46	− 2 44.6	1.395	2.382	5.5	19.9
10 8	1 0.23	− 4 43.6	1.378	2.368	4.5	19.8
10 18	0 52.80	− 6 30.6	1.388	2.354	7.8	19.9
10 28	0 46.31	− 7 55.3	1.424	2.340	12.1	20.1
11 7	0 41.71	− 8 52.1	1.481	2.327	16.0	20.4
11 17	0 39.57	− 9 19.4	1.557	2.314	19.3	20.6

344913 2004 RV_{239} 10 9.2 62°.09 0°.5/ 9.9 18

9 8	1 17.19	+ 9 52.5	2.820	3.682	9.3	21.4
9 18	1 12.39	+ 9 29.3	2.764	3.698	6.6	21.2
9 28	1 6.53	+ 8 58.5	2.734	3.715	3.7	21.1
10 8	1 0.11	+ 8 22.7	2.733	3.731	0.8	20.9
10 18	0 53.72	+ 7 45.2	2.761	3.747	2.5	21.0
10 28	0 47.93	+ 7 9.8	2.819	3.763	5.4	21.3
11 7	0 43.24	+ 6 39.8	2.904	3.780	8.0	21.5
11 17	0 39.99	+ 6 17.7	3.014	3.796	10.3	21.7

137575 1999 VT_{121} 10 9.2 280°.83 1°.9/ 7.9 18

9 8	1 25.12	+ 3 28.6	1.472	2.364	14.4	20.4
9 18	1 19.13	+ 3 1.3	1.394	2.345	10.3	20.1
9 28	1 10.66	+ 2 25.4	1.339	2.326	5.6	19.8
10 8	1 0.60	+ 1 46.6	1.310	2.307	1.9	19.5
10 18	0 50.16	+ 1 11.6	1.307	2.288	5.8	19.7
10 28	0 40.73	+ 0 47.4	1.330	2.268	10.8	20.0
11 7	0 33.47	+ 0 39.1	1.376	2.249	15.3	20.2
11 17	0 29.10	+ 0 49.0	1.442	2.229	19.2	20.4

237462 1999 VY_{206} 10 9.2 27.°02 2.°3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 24.69	+ 1 11.5	1.633	2.524	13.3	20.1
9 18	1 18.36	+ 0 52.7	1.575	2.526	9.3	19.9
9 28	1 10.00	+ 0 30.0	1.541	2.528	5.1	19.7
10 8	1 0.51	+ 0 8.2	1.534	2.530	2.3	19.5
10 18	0 50.99	− 0 7.3	1.554	2.532	5.5	19.7
10 28	0 42.57	− 0 11.9	1.601	2.534	9.7	20.0
11 7	0 36.14	− 0 3.0	1.671	2.537	13.5	20.2
11 17	0 32.23	+ 0 20.6	1.763	2.539	16.6	20.4

53979 2000 GC_{73} 10 9.2 129.°75 1.°3/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.72	+ 3 29.0	2.138	3.016	11.2	19.6
9 18	1 17.25	+ 3 7.3	2.081	3.026	7.8	19.5
9 28	1 9.25	+ 2 40.6	2.050	3.035	4.2	19.2
10 8	1 0.43	+ 2 12.7	2.047	3.044	1.3	19.1
10 18	0 51.63	+ 1 47.9	2.073	3.053	4.1	19.3
10 28	0 43.70	+ 1 30.2	2.128	3.061	7.7	19.5
11 7	0 37.35	+ 1 22.7	2.209	3.069	10.9	19.7
11 17	0 32.99	+ 1 27.0	2.313	3.077	13.5	19.9

155567 1999 WX_{15} 10 9.2 328.°78 1.°4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.35	+ 4 20.0	1.811	2.701	12.2	20.4
9 18	1 14.56	+ 3 47.9	1.739	2.690	8.6	20.1
9 28	1 7.96	+ 3 8.2	1.692	2.679	4.6	19.9
10 8	1 0.30	+ 2 25.6	1.671	2.668	1.4	19.6
10 18	0 52.47	+ 1 45.9	1.677	2.658	4.7	19.8
10 28	0 45.48	+ 1 14.8	1.710	2.649	8.8	20.1
11 7	0 40.14	+ 0 56.7	1.768	2.640	12.5	20.3
11 17	0 36.99	+ 0 53.9	1.847	2.631	15.7	20.5

476660 2008 SW_{309} 10 9.2 336.°90 0.°4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.75	+ 9 23.7	1.197	2.101	16.2	20.0
9 18	1 12.72	+ 8 27.8	1.127	2.083	11.6	19.7
9 28	1 7.25	+ 7 11.4	1.078	2.066	6.4	19.3
10 8	1 0.23	+ 5 41.9	1.052	2.051	0.7	18.9
10 18	0 52.91	+ 4 9.8	1.050	2.036	5.4	19.2
10 28	0 46.69	+ 2 47.3	1.071	2.024	11.1	19.5
11 7	0 42.74	+ 1 44.4	1.115	2.012	16.1	19.7
11 17	0 41.72	+ 1 6.7	1.176	2.002	20.4	20.0

303580 2005 GM_{131} 10 9.2 109.°15 1.°8/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.96	+ 2 39.8	1.960	2.844	11.7	21.2
9 18	1 16.80	+ 2 5.9	1.907	2.855	8.2	21.1
9 28	1 9.03	+ 1 27.1	1.880	2.866	4.4	20.8
10 8	1 0.40	+ 0 48.2	1.881	2.877	1.8	20.7
10 18	0 51.83	+ 0 14.3	1.910	2.888	4.7	20.9
10 28	0 44.20	− 0 10.0	1.967	2.898	8.3	21.2
11 7	0 38.24	− 0 21.6	2.049	2.908	11.6	21.4
11 17	0 34.39	− 0 19.1	2.154	2.918	14.4	21.6

222200 2000 DQ_{99} 10 9.2 240.°78 2.°8/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.68	+ 1 29.7	1.772	2.661	12.5	20.7
9 18	1 17.69	+ 0 35.6	1.698	2.648	8.8	20.5
9 28	1 9.70	− 0 25.0	1.649	2.635	4.9	20.2
10 8	1 0.50	− 1 25.7	1.627	2.621	2.8	20.0
10 18	0 51.09	− 2 19.4	1.633	2.606	5.9	20.2
10 28	0 42.59	− 2 59.6	1.666	2.591	10.0	20.4
11 7	0 35.89	− 3 22.1	1.724	2.576	13.8	20.6
11 17	0 31.58	− 3 25.2	1.802	2.560	17.0	20.8

85630 1998 KP_{31} 10 9.2 154.°22 2.°7/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.46	+ 0 38.2	2.019	2.906	11.3	19.6
9 18	1 16.45	− 0 15.5	1.963	2.913	7.9	19.4
9 28	1 8.85	− 1 13.0	1.933	2.918	4.4	19.2
10 8	1 0.40	− 2 8.5	1.931	2.924	2.8	19.1
10 18	0 51.95	− 2 56.2	1.958	2.929	5.4	19.3
10 28	0 44.40	− 3 31.2	2.013	2.933	8.8	19.6
11 7	0 38.45	− 3 50.5	2.092	2.937	12.0	19.8
11 17	0 34.55	− 3 53.0	2.194	2.941	14.7	20.0

100663 1997 WN_{30} 10 9.2 354.°49 2.°6/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.18	+ 0 6.9	2.020	2.913	11.0	19.0
9 18	1 14.20	− 0 31.2	1.959	2.911	7.7	18.8
9 28	1 7.66	− 1 12.4	1.924	2.910	4.3	18.6
10 8	1 0.27	− 1 51.6	1.915	2.908	2.7	18.5
10 18	0 52.82	− 2 23.8	1.935	2.907	5.2	18.7
10 28	0 46.17	− 2 44.4	1.981	2.907	8.7	18.9
11 7	0 41.03	− 2 50.8	2.053	2.906	11.8	19.1
11 17	0 37.84	− 2 41.9	2.146	2.906	14.5	19.3

392373 2010 HA_{32} 10 9.2 95.°51 7.°3/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.74	+30 46.1	2.163	2.921	15.2	20.9
9 18	1 18.91	+31 12.1	2.103	2.943	12.7	20.8
9 28	1 10.23	+31 14.0	2.065	2.965	10.2	20.7
10 8	1 0.55	+30 51.0	2.051	2.986	8.1	20.6
10 18	0 50.88	+30 5.2	2.063	3.007	7.3	20.6
10 28	0 42.25	+29 2.2	2.103	3.028	8.2	20.7
11 7	0 35.47	+27 49.7	2.169	3.048	10.2	20.9
11 17	0 31.03	+26 35.7	2.259	3.068	12.4	21.0

306684 2000 UC_{18} 10 9.2 359.°09 5.°1/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.18	− 3 34.0	1.339	2.247	14.5	19.3
9 18	1 16.90	− 4 24.0	1.288	2.245	10.4	19.1
9 28	1 9.32	− 5 14.1	1.260	2.244	6.5	18.8
10 8	1 0.47	− 5 56.0	1.256	2.243	5.3	18.8
10 18	0 51.59	− 6 22.1	1.277	2.243	8.3	19.0
10 28	0 43.97	− 6 27.0	1.322	2.244	12.4	19.2
11 7	0 38.59	− 6 9.1	1.389	2.245	16.2	19.4
11 17	0 35.98	− 5 29.6	1.474	2.247	19.5	19.7

488333 2016 VO_6 10 9.2 3.°68 8.°0/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.90	− 6 36.3	1.214	2.136	14.5	19.3
9 18	1 12.56	− 8 48.4	1.175	2.135	10.8	19.1
9 28	1 7.00	−10 58.0	1.158	2.135	8.2	18.9
10 8	1 0.21	−12 51.1	1.166	2.136	8.7	19.0
10 18	0 53.42	−14 15.6	1.196	2.138	11.7	19.2
10 28	0 47.87	−15 4.2	1.249	2.142	15.3	19.4
11 7	0 44.47	−15 16.0	1.320	2.146	18.7	19.6
11 17	0 43.71	−14 54.3	1.408	2.152	21.6	19.9

347974 2003 SR_{61} 10 9.2 14.°15 2.°5/10.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 29.54	+ 7 36.1	1.035	1.931	18.7	19.3
9 18	1 22.66	+ 9 1.3	0.990	1.939	13.7	19.0
9 28	1 12.64	+10 16.3	0.965	1.948	8.0	18.7
10 8	1 0.85	+11 19.6	0.963	1.959	2.9	18.5
10 18	0 49.05	+12 11.3	0.985	1.973	5.4	18.7
10 28	0 39.06	+12 54.3	1.032	1.988	10.8	19.0
11 7	0 32.18	+13 33.7	1.100	2.004	15.7	19.4
11 17	0 29.00	+14 14.0	1.187	2.022	19.7	19.7

403438 2009 SF_{213} 10 9.2 44.°96 1.°5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.71	+ 2 29.1	1.991	2.876	11.6	20.1
9 18	1 16.64	+ 2 17.7	1.937	2.885	8.1	19.9
9 28	1 8.96	+ 2 2.2	1.908	2.894	4.3	19.7
10 8	1 0.43	+ 1 46.3	1.906	2.903	1.5	19.5
10 18	0 51.92	+ 1 34.1	1.933	2.913	4.3	19.7
10 28	0 44.34	+ 1 29.1	1.988	2.923	8.0	20.0
11 7	0 38.39	+ 1 34.2	2.069	2.933	11.3	20.2
11 17	0 34.51	+ 1 50.5	2.172	2.944	14.0	20.4

128199 2003 SP_{43} 10 9.2 331.°11 3.°8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.73	+18 39.0	2.072	2.909	13.1	19.6
9 18	1 15.46	+18 48.6	1.994	2.903	10.2	19.4
9 28	1 8.45	+18 41.8	1.939	2.898	7.0	19.2
10 8	1 0.39	+18 19.5	1.909	2.893	4.3	19.0
10 18	0 52.14	+17 44.4	1.908	2.888	4.3	19.0
10 28	0 44.67	+17 1.6	1.934	2.884	7.1	19.2
11 7	0 38.77	+16 17.3	1.986	2.880	10.3	19.3
11 17	0 34.98	+15 37.3	2.062	2.876	13.2	19.5

85146 1981 EF_{33} 10 9.2 130.°73 0.°9/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.01	+12 18.4	1.839	2.702	13.4	20.9
9 18	1 16.97	+11 27.8	1.781	2.715	9.7	20.7
9 28	1 9.17	+10 22.3	1.748	2.727	5.5	20.4
10 8	1 0.45	+ 9 6.7	1.741	2.739	1.3	20.2
10 18	0 51.78	+ 7 48.0	1.764	2.751	3.6	20.4
10 28	0 44.13	+ 6 33.7	1.815	2.761	7.8	20.7
11 7	0 38.28	+ 5 30.4	1.893	2.772	11.5	20.9
11 17	0 34.67	+ 4 42.5	1.993	2.781	14.6	21.1

305873 2009 FP_2 10 9.2 86.°50 2.°6/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.41	+ 2 18.8	1.853	2.746	11.9	20.5
9 18	1 14.46	+ 1 8.1	1.795	2.747	8.3	20.2
9 28	1 7.85	− 0 9.0	1.762	2.749	4.5	20.0
10 8	1 0.32	− 1 25.7	1.756	2.750	2.7	19.9
10 18	0 52.75	− 2 34.7	1.779	2.751	5.6	20.1
10 28	0 46.08	− 3 29.6	1.828	2.753	9.3	20.3
11 7	0 41.04	− 4 6.3	1.902	2.754	12.7	20.5
11 17	0 38.08	− 4 23.2	1.997	2.756	15.5	20.8

97042 1999 UM_{19} 10 9.2 167.°15 0.°2/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.04	+ 9 31.8	2.491	3.356	10.2	20.8
9 18	1 13.89	+ 8 52.8	2.422	3.359	7.3	20.6
9 28	1 7.44	+ 8 4.5	2.379	3.361	4.0	20.4
10 8	1 0.28	+ 7 10.4	2.365	3.364	0.6	20.1
10 18	0 53.07	+ 6 14.9	2.380	3.365	3.0	20.3
10 28	0 46.53	+ 5 22.9	2.425	3.367	6.3	20.5
11 7	0 41.24	+ 4 38.7	2.497	3.368	9.3	20.7
11 17	0 37.62	+ 4 5.6	2.592	3.369	11.9	20.9

316147 2009 SM_{348} 10 9.2 343.°02 2.°0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.68	− 2 56.8	4.002	4.886	6.3	20.0
9 18	1 10.44	− 3 18.8	3.938	4.884	4.4	19.9
9 28	1 5.45	− 3 40.8	3.901	4.882	2.7	19.8
10 8	1 0.05	− 4 0.3	3.894	4.881	2.0	19.7
10 18	0 54.63	− 4 15.3	3.916	4.879	3.4	19.8
10 28	0 49.58	− 4 23.7	3.968	4.878	5.2	20.0
11 7	0 45.26	− 4 24.3	4.048	4.876	7.0	20.1
11 17	0 41.94	− 4 16.4	4.151	4.875	8.6	20.2

228824 2003 BR_{66} 10 9.2 254.°54 1.°4/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.77	+11 55.1	1.757	2.622	13.8	21.4
9 18	1 17.89	+11 36.2	1.674	2.608	10.2	21.2
9 28	1 9.90	+11 2.3	1.614	2.593	6.0	20.9
10 8	1 0.57	+10 16.3	1.580	2.578	1.8	20.6
10 18	0 50.96	+ 9 23.5	1.575	2.562	3.9	20.7
10 28	0 42.21	+ 8 30.7	1.597	2.546	8.4	20.9
11 7	0 35.31	+ 7 44.9	1.645	2.530	12.6	21.1
11 17	0 30.90	+ 7 11.5	1.714	2.513	16.2	21.3

236685 2006 RX_{30} 10 9.2 38.°58 2.°1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.45	+15 12.0	1.424	2.296	16.0	19.2
9 18	1 14.76	+14 28.6	1.380	2.315	11.8	19.0
9 28	1 8.06	+13 24.7	1.358	2.335	7.1	18.8
10 8	1 0.34	+12 6.0	1.360	2.356	2.7	18.6
10 18	0 52.75	+10 41.0	1.389	2.377	4.0	18.8
10 28	0 46.42	+ 9 19.2	1.444	2.398	8.5	19.1
11 7	0 42.15	+ 8 9.2	1.523	2.421	12.5	19.4
11 17	0 40.38	+ 7 16.3	1.623	2.443	15.9	19.7

8201 1994 AH_2 10 9.2 201.°08 1.°5/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.82	+ 2 29.5	3.446	4.313	7.6	22.1
9 18	1 15.56	+ 1 35.8	3.366	4.306	5.3	21.9
9 28	1 8.26	+ 0 38.2	3.314	4.298	2.9	21.8
10 8	1 0.38	− 0 19.9	3.294	4.289	1.5	21.6
10 18	0 52.43	− 1 14.9	3.307	4.279	3.4	21.8
10 28	0 44.94	− 2 3.2	3.352	4.267	5.8	21.9
11 7	0 38.42	− 2 42.1	3.425	4.255	8.1	22.1
11 17	0 33.20	− 3 9.7	3.523	4.241	10.1	22.2

449761 2014 OD_{53} 10 9.2 86.°34 0.°6/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.55	+ 6 31.7	2.197	3.073	11.0	21.4
9 18	1 14.97	+ 5 54.4	2.147	3.091	7.7	21.3
9 28	1 8.00	+ 5 9.7	2.123	3.109	4.1	21.1
10 8	1 0.34	+ 4 22.0	2.128	3.126	0.6	20.8
10 18	0 52.75	+ 3 35.9	2.161	3.144	3.6	21.1
10 28	0 46.00	+ 2 56.3	2.223	3.161	7.1	21.4
11 7	0 40.70	+ 2 26.9	2.312	3.179	10.2	21.6
11 17	0 37.25	+ 2 10.0	2.423	3.196	12.7	21.8

355848 2008 UW_{108} 10 9.2 309.°34 0.°6/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.20	+ 6 3.6	1.517	2.405	14.3	20.4
9 18	1 17.69	+ 5 50.7	1.441	2.390	10.2	20.1
9 28	1 9.86	+ 5 27.8	1.389	2.375	5.6	19.8
10 8	1 0.58	+ 4 59.2	1.361	2.360	0.7	19.5
10 18	0 51.00	+ 4 30.5	1.361	2.346	4.8	19.7
10 28	0 42.40	+ 4 8.1	1.386	2.332	9.7	20.0
11 7	0 35.86	+ 3 57.2	1.435	2.318	14.2	20.2
11 17	0 32.06	+ 4 1.2	1.505	2.305	17.9	20.4

381711 2009 PA_{18} 10 9.2 37.°67 2.°1/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.83	+11 20.0	1.225	2.108	17.3	20.8
9 18	1 19.68	+11 31.5	1.175	2.117	12.7	20.5
9 28	1 10.91	+11 26.2	1.146	2.127	7.5	20.3
10 8	1 0.69	+11 7.1	1.141	2.137	2.5	20.0
10 18	0 50.47	+10 39.7	1.160	2.148	4.7	20.2
10 28	0 41.75	+10 11.5	1.205	2.160	9.8	20.5
11 7	0 35.63	+ 9 49.9	1.273	2.172	14.4	20.8
11 17	0 32.66	+ 9 40.0	1.360	2.184	18.3	21.1

289094 2004 TC_{277} 10 9.2 2.°44 0.°8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.56	+ 7 1.9	1.150	2.056	16.4	20.4
9 18	1 14.64	+ 6 26.5	1.097	2.054	11.7	20.1
9 28	1 8.23	+ 5 36.8	1.065	2.054	6.3	19.8
10 8	1 0.39	+ 4 39.8	1.055	2.054	0.9	19.4
10 18	0 52.46	+ 3 44.4	1.070	2.056	5.5	19.8
10 28	0 45.85	+ 2 59.9	1.109	2.060	10.9	20.1
11 7	0 41.64	+ 2 33.1	1.168	2.064	15.7	20.4
11 17	0 40.36	+ 2 27.0	1.246	2.070	19.6	20.6

16232 Chijagerbs 10 9.2 243.°59 2.°0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.88	+16 53.4	3.374	4.204	8.7	19.2
9 18	1 11.49	+16 33.4	3.287	4.196	6.6	19.0
9 28	1 6.10	+16 2.9	3.225	4.189	4.3	18.8
10 8	1 0.15	+15 23.7	3.192	4.181	2.3	18.7
10 18	0 54.12	+14 38.1	3.189	4.173	2.5	18.7
10 28	0 48.53	+13 49.7	3.217	4.165	4.6	18.8
11 7	0 43.84	+13 2.3	3.272	4.157	6.9	19.0
11 17	0 40.39	+12 19.1	3.354	4.149	9.0	19.1

319408 2006 HT_9 10 9.2 3.°98 9.°3/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.71	−13 20.2	1.166	2.075	16.1	19.0
9 18	1 18.88	−13 54.6	1.126	2.073	12.6	18.8
9 28	1 10.44	−14 14.8	1.106	2.074	9.8	18.6
10 8	1 0.64	−14 11.9	1.109	2.076	9.5	18.6
10 18	0 50.95	−13 40.4	1.134	2.079	11.9	18.8
10 28	0 42.84	−12 39.4	1.182	2.083	15.3	19.0
11 7	0 37.36	−11 12.7	1.249	2.089	18.7	19.2
11 17	0 34.98	− 9 25.9	1.334	2.096	21.7	19.5

348406 2005 JA_{93} 10 9.2 210.°47 3.°6/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 25.11	+17 33.6	2.121	2.953	13.0	20.5
9 18	1 18.56	+17 50.3	2.041	2.949	10.0	20.3
9 28	1 10.15	+17 51.9	1.985	2.945	6.8	20.1
10 8	1 0.63	+17 38.9	1.956	2.941	4.0	20.0
10 18	0 50.89	+17 13.7	1.955	2.936	4.2	20.0
10 28	0 41.95	+16 40.8	1.984	2.931	7.1	20.1
11 7	0 34.66	+16 6.2	2.039	2.925	10.4	20.3
11 17	0 29.59	+15 35.3	2.118	2.919	13.4	20.5

442399 2011 UL_{49} 10 9.2 339.°44 0.°9/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.99	+11 27.2	1.635	2.513	14.0	21.1
9 18	1 14.47	+10 50.0	1.566	2.508	10.2	20.8
9 28	1 8.00	+ 9 56.9	1.520	2.502	5.8	20.6
10 8	1 0.38	+ 8 52.4	1.499	2.497	1.3	20.3
10 18	0 52.62	+ 7 43.4	1.505	2.493	3.9	20.4
10 28	0 45.80	+ 6 37.8	1.538	2.489	8.5	20.7
11 7	0 40.82	+ 5 42.9	1.596	2.485	12.6	20.9
11 17	0 38.21	+ 5 3.8	1.674	2.482	16.1	21.2

281785 2009 TO_{36} 10 9.2 287.°77 2.°7/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.72	− 0 11.6	2.233	3.124	10.2	20.5
9 18	1 13.83	− 1 1.4	2.164	3.114	7.2	20.3
9 28	1 7.50	− 1 54.5	2.120	3.105	4.1	20.1
10 8	1 0.32	− 2 45.8	2.104	3.096	2.8	20.0
10 18	0 53.05	− 3 30.2	2.117	3.086	5.2	20.1
10 28	0 46.46	− 4 2.8	2.158	3.077	8.4	20.3
11 7	0 41.22	− 4 20.8	2.224	3.068	11.4	20.5
11 17	0 37.79	− 4 22.8	2.311	3.059	14.0	20.6

68766 2002 EN_{102} 10 9.2 105.°51 0.°3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.36	+ 9 41.5	4.404	5.262	6.3	19.9
9 18	1 8.80	+ 9 9.6	4.331	5.264	4.5	19.8
9 28	1 4.57	+ 8 32.4	4.286	5.267	2.5	19.6
10 8	0 59.99	+ 7 51.9	4.271	5.269	0.5	19.5
10 18	0 55.38	+ 7 10.4	4.286	5.272	1.8	19.6
10 28	0 51.10	+ 6 30.3	4.332	5.274	3.8	19.7
11 7	0 47.46	+ 5 54.0	4.406	5.277	5.6	19.9
11 17	0 44.71	+ 5 23.5	4.507	5.279	7.3	20.0

125199 2001 UG_{136} 10 9.2 307.°02 3.°5/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.01	− 0 37.3	1.494	2.392	13.9	19.4
9 18	1 18.13	− 1 14.5	1.432	2.386	9.8	19.1
9 28	1 10.02	− 1 55.3	1.393	2.379	5.6	18.9
10 8	1 0.62	− 2 32.7	1.381	2.373	3.6	18.7
10 18	0 51.08	− 3 0.0	1.394	2.367	6.7	18.9
10 28	0 42.66	− 3 11.7	1.433	2.362	11.0	19.1
11 7	0 36.35	− 3 4.8	1.495	2.356	15.0	19.4
11 17	0 32.74	− 2 38.9	1.577	2.351	18.4	19.6

113142 2002 RB_{90} 10 9.2 140.°95 1.°5/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.40	+11 59.4	1.968	2.829	12.8	19.8
9 18	1 17.29	+11 50.9	1.902	2.833	9.3	19.6
9 28	1 9.41	+11 29.7	1.860	2.837	5.5	19.4
10 8	1 0.54	+10 58.7	1.845	2.841	1.9	19.1
10 18	0 51.60	+10 22.0	1.858	2.845	3.5	19.3
10 28	0 43.56	+ 9 45.0	1.900	2.848	7.3	19.5
11 7	0 37.21	+ 9 13.0	1.968	2.852	10.9	19.7
11 17	0 33.06	+ 8 50.3	2.059	2.855	13.9	19.9

208145 2000 EX_{164} 10 9.3 228.°39 0.°1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.67	+ 8 32.9	2.183	3.052	11.3	21.4
9 18	1 15.99	+ 8 2.2	2.105	3.043	8.1	21.2
9 28	1 8.70	+ 7 21.6	2.051	3.034	4.5	21.0
10 8	1 0.47	+ 6 34.5	2.026	3.025	0.5	20.6
10 18	0 52.08	+ 5 45.8	2.029	3.014	3.5	20.9
10 28	0 44.42	+ 5 0.8	2.062	3.004	7.3	21.1
11 7	0 38.21	+ 4 24.4	2.122	2.993	10.7	21.3
11 17	0 33.98	+ 3 59.9	2.204	2.982	13.7	21.5

381075 2007 AC_{14} 10 9.3 236.°16 1.°1/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.56	+11 40.5	1.814	2.679	13.5	22.2
9 18	1 17.66	+11 10.7	1.733	2.668	9.8	22.0
9 28	1 9.75	+10 25.8	1.676	2.656	5.7	21.7
10 8	1 0.60	+ 9 29.6	1.646	2.643	1.5	21.4
10 18	0 51.21	+ 8 27.5	1.644	2.630	3.8	21.5
10 28	0 42.69	+ 7 26.9	1.670	2.617	8.2	21.8
11 7	0 35.97	+ 6 34.6	1.721	2.603	12.3	22.0
11 17	0 31.65	+ 5 55.9	1.795	2.588	15.7	22.2

420614 2012 HB_{62} 10 9.3 271.°02 3.°4/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.58	− 3 24.5	2.307	3.197	10.0	20.8
9 18	1 15.08	− 4 0.9	2.242	3.191	7.1	20.6
9 28	1 8.15	− 4 37.5	2.204	3.185	4.4	20.4
10 8	1 0.41	− 5 9.5	2.193	3.179	3.5	20.4
10 18	0 52.61	− 5 32.6	2.211	3.173	5.6	20.5
10 28	0 45.52	− 5 43.3	2.257	3.167	8.5	20.7
11 7	0 39.80	− 5 39.6	2.328	3.162	11.3	20.8
11 17	0 35.88	− 5 21.2	2.420	3.156	13.7	21.0

374675 2006 PB_{17} 10 9.3 29°.67 1°.2/10.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.29	+10 22.7	0.894	1.802	19.9	19.8
9 18	1 17.48	+10 12.0	0.863	1.819	14.3	19.6
9 28	1 9.76	+ 9 41.2	0.851	1.838	8.0	19.3
10 8	1 0.58	+ 8 56.8	0.860	1.858	1.8	19.0
10 18	0 51.67	+ 8 8.3	0.890	1.880	5.3	19.4
10 28	0 44.66	+ 7 26.2	0.944	1.903	11.1	19.8
11 7	0 40.61	+ 6 58.5	1.017	1.927	16.2	20.1
11 17	0 39.91	+ 6 49.1	1.109	1.952	20.2	20.5

375235 2008 FB_{112} 10 9.3 0°.26 1°.6/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.38	+ 3 48.4	1.350	2.245	15.3	20.9
9 18	1 19.25	+ 3 28.3	1.292	2.245	10.8	20.6
9 28	1 10.69	+ 3 0.0	1.257	2.244	5.8	20.3
10 8	1 0.71	+ 2 29.3	1.246	2.244	1.6	20.0
10 18	0 50.64	+ 2 2.7	1.262	2.244	5.6	20.3
10 28	0 41.87	+ 1 46.5	1.303	2.245	10.6	20.6
11 7	0 35.44	+ 1 45.1	1.366	2.245	15.0	20.9
11 17	0 31.96	+ 2 0.4	1.450	2.246	18.7	21.1

440896 2006 UN_{187} 10 9.3 316°.39 7°.3/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.52	+27 37.6	1.740	2.543	16.6	20.7
9 18	1 15.10	+27 47.1	1.651	2.527	13.9	20.5
9 28	1 8.49	+27 29.3	1.583	2.511	10.8	20.3
10 8	1 0.47	+26 43.1	1.537	2.496	8.2	20.1
10 18	0 52.13	+25 30.6	1.517	2.482	7.3	20.0
10 28	0 44.67	+23 59.0	1.522	2.467	9.0	20.1
11 7	0 39.14	+22 18.5	1.552	2.454	12.1	20.2
11 17	0 36.22	+20 39.7	1.604	2.440	15.3	20.4

481533 2007 LH_{4} 10 9.3 130°.29 1°.7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.01	+15 18.7	2.420	3.267	11.1	21.2
9 18	1 13.25	+14 40.1	2.348	3.270	8.3	21.0
9 28	1 7.14	+13 47.7	2.302	3.274	5.1	20.8
10 8	1 0.31	+12 44.6	2.283	3.277	2.1	20.6
10 18	0 53.43	+11 35.5	2.293	3.280	2.9	20.7
10 28	0 47.23	+10 25.9	2.333	3.282	6.1	20.9
11 7	0 42.32	+ 9 21.6	2.400	3.285	9.1	21.1
11 17	0 39.12	+ 8 26.9	2.492	3.288	11.8	21.3

323677 2005 EN_{195} 10 9.3 52°.40 0°.1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.18	+ 9 36.3	1.123	2.018	17.7	20.2
9 18	1 18.35	+ 8 50.5	1.091	2.042	12.5	20.0
9 28	1 10.07	+ 7 48.1	1.080	2.066	6.8	19.8
10 8	1 0.63	+ 6 37.3	1.092	2.091	0.8	19.4
10 18	0 51.50	+ 5 27.8	1.130	2.117	5.1	19.8
10 28	0 44.06	+ 4 29.4	1.192	2.142	10.4	20.2
11 7	0 39.22	+ 3 48.8	1.276	2.168	14.9	20.5
11 17	0 37.36	+ 3 28.8	1.379	2.194	18.5	20.9

355572 2008 CQ_{76} 10 9.3 279°.31 0°.1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.22	+ 7 36.9	1.916	2.792	12.3	20.5
9 18	1 16.61	+ 7 18.7	1.837	2.780	8.9	20.2
9 28	1 9.15	+ 6 50.8	1.783	2.767	4.9	20.0
10 8	1 0.56	+ 6 16.6	1.756	2.755	0.5	19.6
10 18	0 51.76	+ 5 41.0	1.757	2.742	3.9	19.9
10 28	0 43.76	+ 5 9.3	1.786	2.729	8.1	20.1
11 7	0 37.41	+ 4 46.5	1.840	2.717	11.9	20.3
11 17	0 33.28	+ 4 35.8	1.916	2.704	15.1	20.5

300613 2007 UP_{5} 10 9.3 315°.68 0°.1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.94	+ 9 28.1	1.558	2.444	14.1	20.6
9 18	1 14.61	+ 8 42.7	1.481	2.428	10.2	20.3
9 28	1 8.19	+ 7 41.5	1.426	2.412	5.6	20.0
10 8	1 0.46	+ 6 29.9	1.398	2.396	0.6	19.6
10 18	0 52.47	+ 5 15.4	1.395	2.381	4.4	19.9
10 28	0 45.39	+ 4 6.8	1.419	2.367	9.3	20.2
11 7	0 40.20	+ 3 11.9	1.467	2.353	13.7	20.4
11 17	0 37.53	+ 2 35.6	1.535	2.339	17.4	20.6

394210 2006 SN_{221} 10 9.3 56°.51 0°.1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.71	+ 8 35.7	1.738	2.619	13.2	21.3
9 18	1 15.48	+ 7 56.0	1.683	2.627	9.4	21.0
9 28	1 8.47	+ 7 4.7	1.651	2.636	5.1	20.8
10 8	1 0.49	+ 6 6.8	1.646	2.645	0.5	20.5
10 18	0 52.53	+ 5 8.9	1.669	2.654	4.0	20.8
10 28	0 45.56	+ 4 17.5	1.719	2.663	8.2	21.1
11 7	0 40.37	+ 3 38.2	1.793	2.673	12.0	21.3
11 17	0 37.42	+ 3 14.1	1.890	2.682	15.1	21.6

303617 2005 JW_{47} 10 9.3 201°.21 0°.7/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.27	+11 37.8	2.041	2.906	12.2	21.0
9 18	1 15.07	+10 53.3	1.969	2.904	8.8	20.8
9 28	1 8.23	+ 9 55.1	1.922	2.902	5.0	20.6
10 8	1 0.48	+ 8 47.6	1.902	2.900	1.1	20.3
10 18	0 52.63	+ 7 36.5	1.911	2.897	3.4	20.4
10 28	0 45.58	+ 6 28.4	1.949	2.895	7.3	20.7
11 7	0 40.07	+ 5 29.5	2.013	2.892	10.9	20.9
11 17	0 36.59	+ 4 44.2	2.099	2.889	13.9	21.1

447216 2005 TC_{128} 10 9.3 46°.35 0°.1/ 9.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 24.59	+ 7 11.0	1.618	2.499	14.0	21.1
9 18	1 18.18	+ 7 7.9	1.576	2.521	9.9	20.9
9 28	1 9.88	+ 6 55.5	1.558	2.543	5.4	20.7
10 8	1 0.65	+ 6 37.4	1.566	2.565	0.6	20.4
10 18	0 51.58	+ 6 18.4	1.602	2.588	4.0	20.8
10 28	0 43.72	+ 6 3.4	1.665	2.612	8.3	21.1
11 7	0 37.88	+ 5 56.7	1.753	2.635	12.1	21.3
11 17	0 34.49	+ 6 0.7	1.862	2.659	15.1	21.6

71497 2000 CL_{18} 10 9.3 43°.02 0°.4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.41	+ 7 54.7	1.973	2.853	11.9	18.4
9 18	1 13.68	+ 7 8.2	1.918	2.864	8.4	18.2
9 28	1 7.43	+ 6 11.8	1.889	2.874	4.5	18.0
10 8	1 0.38	+ 5 10.6	1.887	2.886	0.5	17.7
10 18	0 53.35	+ 4 10.5	1.913	2.897	3.8	18.0
10 28	0 47.18	+ 3 17.4	1.967	2.909	7.6	18.2
11 7	0 42.53	+ 2 36.0	2.046	2.921	10.9	18.5
11 17	0 39.82	+ 2 9.3	2.148	2.933	13.8	18.7

328608 2009 SL_{110} 10 9.3 356°.60 2°.8/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.81	+ 4 13.8	1.661	2.562	12.5	19.5
9 18	1 11.42	+ 2 25.2	1.602	2.559	8.7	19.3
9 28	1 6.32	+ 0 25.7	1.568	2.556	4.7	19.0
10 8	1 0.26	− 1 35.2	1.560	2.554	3.0	18.9
10 18	0 54.13	− 3 27.3	1.581	2.553	6.2	19.1
10 28	0 48.88	− 5 1.3	1.628	2.553	10.2	19.3
11 7	0 45.27	− 6 11.3	1.698	2.553	13.8	19.6
11 17	0 43.76	− 6 55.0	1.789	2.554	16.8	19.8

135040 2001 OC_{10} 10 9.3 57°.98 1°.5/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.81	+12 17.6	1.774	2.641	13.6	19.6
9 18	1 16.29	+11 59.7	1.713	2.647	10.0	19.4
9 28	1 8.94	+11 27.4	1.675	2.654	5.9	19.2
10 8	1 0.56	+10 44.3	1.664	2.661	1.9	19.0
10 18	0 52.15	+ 9 55.6	1.681	2.668	3.6	19.1
10 28	0 44.72	+ 9 7.8	1.725	2.675	7.7	19.4
11 7	0 39.09	+ 8 26.9	1.794	2.682	11.5	19.6
11 17	0 35.75	+ 7 57.5	1.885	2.689	14.7	19.8

453998 2012 CE_{45} 10 9.3 272°.71 3°.5/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.22	+17 23.9	2.207	3.041	12.5	21.5
9 18	1 17.19	+17 42.4	2.127	3.036	9.7	21.3
9 28	1 9.43	+17 46.7	2.071	3.032	6.5	21.1
10 8	1 0.63	+17 37.2	2.042	3.027	3.9	20.9
10 18	0 51.63	+17 16.4	2.042	3.022	4.1	20.9
10 28	0 43.37	+16 48.2	2.070	3.018	6.8	21.1
11 7	0 36.64	+16 18.2	2.125	3.013	10.0	21.3
11 17	0 31.99	+15 51.2	2.203	3.008	12.8	21.5

473465 2015 XQ_{59} 10 9.3 321°.65 5°.3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.16	− 8 15.7	2.135	3.031	10.4	20.9
9 18	1 14.18	− 9 18.7	2.081	3.027	7.7	20.7
9 28	1 7.71	−10 18.4	2.051	3.023	5.7	20.6
10 8	1 0.43	−11 8.6	2.049	3.019	5.6	20.6
10 18	0 53.11	−11 43.7	2.074	3.015	7.5	20.7
10 28	0 46.55	−12 0.2	2.126	3.011	10.2	20.9
11 7	0 41.44	−11 56.8	2.200	3.008	12.8	21.1
11 17	0 38.20	−11 34.3	2.295	3.004	15.1	21.2

507156 2009 YE 10 9.3 156°.17 10°.2/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 27.56	−33 45.8	2.779	3.582	11.1	21.5
9 18	1 19.78	−34 57.7	2.765	3.593	10.4	21.4
9 28	1 10.59	−35 49.8	2.775	3.603	10.2	21.5
10 8	1 0.75	−36 17.3	2.809	3.612	10.7	21.5
10 18	0 51.08	−36 17.7	2.866	3.621	11.6	21.6
10 28	0 42.40	−35 51.4	2.944	3.628	12.7	21.7
11 7	0 35.32	−35 1.1	3.041	3.635	13.7	21.8
11 17	0 30.24	−33 50.9	3.152	3.641	14.6	21.9

178492 1999 TT_{104} 10 9.3 14°.70 3°.5/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.28	+14 40.8	1.027	1.918	19.3	19.2
9 18	1 16.88	+14 46.6	0.978	1.921	14.5	18.9
9 28	1 9.60	+14 28.2	0.948	1.926	9.1	18.6
10 8	1 0.66	+13 48.7	0.938	1.933	4.2	18.4
10 18	0 51.64	+12 55.3	0.952	1.940	5.3	18.5
10 28	0 44.21	+11 58.8	0.989	1.949	10.5	18.8
11 7	0 39.55	+11 9.9	1.046	1.959	15.5	19.1
11 17	0 38.25	+10 36.0	1.122	1.970	19.7	19.4

366914 2005 UL_{180} 10 9.3 245°.15 0°.2/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.03	+ 9 39.8	2.348	3.215	10.7	22.1
9 18	1 14.07	+ 8 57.8	2.268	3.205	7.7	21.9
9 28	1 7.67	+ 8 5.2	2.213	3.195	4.2	21.6
10 8	1 0.44	+ 7 5.6	2.186	3.185	0.6	21.3
10 18	0 53.07	+ 6 3.9	2.189	3.175	3.2	21.5
10 28	0 46.36	+ 5 5.7	2.222	3.164	6.8	21.7
11 7	0 40.94	+ 4 16.0	2.281	3.153	10.0	21.9
11 17	0 37.30	+ 3 38.3	2.363	3.142	12.8	22.1

112580 2002 PV_{54} 10 9.3 31°.17 1°.6/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.14	+ 7 28.8	0.999	1.911	17.9	18.2
9 18	1 15.08	+ 6 13.7	0.965	1.925	12.5	18.0
9 28	1 8.45	+ 4 42.4	0.950	1.940	6.5	17.7
10 8	1 0.51	+ 3 6.3	0.958	1.957	1.6	17.5
10 18	0 52.76	+ 1 38.0	0.990	1.975	6.3	17.8
10 28	0 46.61	+ 0 28.8	1.045	1.993	11.8	18.2
11 7	0 43.05	− 0 14.6	1.120	2.013	16.5	18.6
11 17	0 42.48	− 0 30.9	1.214	2.033	20.3	18.9

198350 2004 VA_{6} 10 9.3 299°.15 1°.7/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.77	+13 7.4	1.571	2.443	14.8	20.3
9 18	1 15.98	+12 38.9	1.491	2.428	11.0	20.1
9 28	1 8.98	+11 52.0	1.433	2.413	6.5	19.8
10 8	1 0.61	+10 50.1	1.401	2.397	2.2	19.5
10 18	0 51.94	+ 9 39.7	1.395	2.383	4.1	19.6
10 28	0 44.20	+ 8 29.5	1.415	2.368	8.9	19.8
11 7	0 38.42	+ 7 27.9	1.460	2.354	13.3	20.1
11 17	0 35.24	+ 6 41.4	1.526	2.339	17.1	20.3

130870 2000 VK_{1} 10 9.3 316°.34 0°.5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.70	+10 37.5	1.367	2.257	15.5	18.4
9 18	1 14.87	+ 9 56.4	1.278	2.226	11.3	18.1
9 28	1 8.56	+ 8 55.2	1.211	2.196	6.4	17.7
10 8	1 0.58	+ 7 38.6	1.168	2.166	1.1	17.3
10 18	0 52.07	+ 6 14.8	1.150	2.137	4.8	17.5
10 28	0 44.44	+ 4 54.6	1.157	2.109	10.4	17.7
11 7	0 38.92	+ 3 48.1	1.186	2.081	15.6	17.9
11 17	0 36.32	+ 3 2.5	1.235	2.054	20.0	18.1

42414 1130 $T\text{-}_{2}$ 10 9.3 348°.05 2°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.44	+13 31.5	1.911	2.771	13.1	19.7
9 18	1 16.05	+13 32.6	1.839	2.768	9.8	19.5
9 28	1 8.85	+13 19.9	1.791	2.765	6.0	19.2
10 8	1 0.59	+12 55.4	1.769	2.763	2.6	19.0
10 18	0 52.18	+12 23.0	1.775	2.761	3.6	19.1
10 28	0 44.62	+11 48.0	1.809	2.760	7.4	19.3
11 7	0 38.73	+11 16.2	1.868	2.759	11.0	19.5
11 17	0 35.05	+10 52.1	1.950	2.758	14.1	19.8

510520 2012 BE_{155} 10 9.3 296°.04 0°.8/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.56	+12 0.2	4.198	5.046	6.8	21.4
9 18	1 9.72	+11 43.0	4.116	5.042	4.9	21.3
9 28	1 5.15	+11 19.6	4.062	5.037	2.9	21.2
10 8	1 0.16	+10 51.6	4.037	5.033	1.0	21.0
10 18	0 55.12	+10 20.9	4.042	5.028	1.8	21.1
10 28	0 50.41	+ 9 50.0	4.078	5.024	3.8	21.2
11 7	0 46.38	+ 9 21.3	4.142	5.020	5.8	21.3
11 17	0 43.31	+ 8 56.9	4.232	5.015	7.5	21.5

312806 2010 XG_{85} 10 9.3 329°.04 2°.5/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.18	− 5 31.1	4.131	5.018	6.0	20.3
9 18	1 9.43	− 6 10.2	4.071	5.016	4.3	20.1
9 28	1 4.98	− 6 48.5	4.038	5.015	2.9	20.0
10 8	1 0.14	− 7 23.1	4.035	5.013	2.6	20.0
10 18	0 55.27	− 7 51.7	4.062	5.012	3.8	20.1
10 28	0 50.76	− 8 12.2	4.118	5.010	5.5	20.2
11 7	0 46.93	− 8 23.2	4.200	5.009	7.2	20.3
11 17	0 44.04	− 8 24.2	4.305	5.007	8.6	20.5

1526 Mikkeli 10 9.3 337°.92 4°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.65	+14 35.1	1.084	1.969	18.9	15.8
9 18	1 18.13	+15 14.3	1.015	1.955	14.5	15.5
9 28	1 10.51	+15 33.0	0.966	1.942	9.5	15.2
10 8	1 0.82	+15 30.9	0.938	1.930	5.0	14.9
10 18	0 50.61	+15 11.3	0.932	1.919	5.9	14.9
10 28	0 41.70	+14 41.8	0.950	1.909	11.0	15.2
11 7	0 35.60	+14 12.3	0.988	1.901	16.1	15.4
11 17	0 33.12	+13 51.3	1.045	1.895	20.7	15.7

300740 2007 VT_{161} 10 9.3 56°.04 0°.3/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.03	+ 6 58.6	1.669	2.551	13.5	20.3
9 18	1 17.18	+ 6 37.7	1.615	2.561	9.6	20.1
9 28	1 9.43	+ 6 7.0	1.585	2.571	5.2	19.9
10 8	1 0.65	+ 5 31.2	1.582	2.581	0.6	19.6
10 18	0 51.90	+ 4 55.6	1.606	2.591	4.2	19.9
10 28	0 44.22	+ 4 26.1	1.657	2.601	8.5	20.2
11 7	0 38.45	+ 4 7.3	1.733	2.612	12.3	20.4
11 17	0 35.07	+ 4 1.9	1.830	2.622	15.5	20.7

425238 2009 WQ_{12} 10 9.3 108°.11 1°.1/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.34	+12 46.2	1.619	2.488	14.6	21.0
9 18	1 16.77	+11 57.1	1.562	2.498	10.6	20.8
9 28	1 9.23	+10 50.8	1.527	2.508	6.1	20.6
10 8	1 0.63	+ 9 32.6	1.519	2.517	1.6	20.3
10 18	0 52.05	+ 8 10.2	1.539	2.526	3.9	20.5
10 28	0 44.58	+ 6 52.3	1.586	2.535	8.4	20.8
11 7	0 39.08	+ 5 46.6	1.658	2.544	12.4	21.1
11 17	0 36.01	+ 4 57.8	1.752	2.552	15.8	21.3

222449 2001 QR_{173} 10 9.3 320°.23 6°.9/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.13	+22 54.3	1.309	2.156	18.7	19.3
9 18	1 16.09	+23 12.5	1.226	2.136	15.2	19.0
9 28	1 9.32	+23 1.7	1.162	2.116	11.3	18.8
10 8	1 0.68	+22 20.5	1.120	2.097	7.8	18.5
10 18	0 51.51	+21 11.7	1.101	2.079	7.2	18.4
10 28	0 43.40	+19 44.2	1.106	2.062	10.3	18.5
11 7	0 37.71	+18 10.9	1.133	2.045	14.6	18.7
11 17	0 35.26	+16 44.1	1.180	2.030	18.8	19.0

432734 2011 DQ_{22} 10 9.3 151°.87 0°.9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.19	+ 6 12.8	1.699	2.581	13.4	21.7
9 18	1 18.03	+ 5 37.8	1.639	2.585	9.5	21.5
9 28	1 9.92	+ 4 53.2	1.603	2.589	5.0	21.2
10 8	1 0.72	+ 4 4.0	1.594	2.592	0.9	20.9
10 18	0 51.48	+ 3 16.5	1.612	2.596	4.5	21.2
10 28	0 43.29	+ 2 37.1	1.658	2.598	8.9	21.5
11 7	0 37.01	+ 2 10.7	1.729	2.601	12.8	21.7
11 17	0 33.16	+ 1 59.8	1.821	2.603	16.0	21.9

407174 2009 UP_{59} 10 9.3 19°.52 5°.2/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.80	− 8 32.5	2.109	3.002	10.6	20.7
9 18	1 15.31	− 9 20.6	2.059	3.003	7.9	20.5
9 28	1 8.32	−10 4.6	2.034	3.005	5.7	20.4
10 8	1 0.53	−10 38.5	2.036	3.007	5.4	20.4
10 18	0 52.75	−10 57.9	2.065	3.009	7.4	20.5
10 28	0 45.81	−10 59.5	2.121	3.011	10.0	20.7
11 7	0 40.37	−10 42.8	2.200	3.013	12.6	20.9
11 17	0 36.86	−10 8.7	2.300	3.015	14.9	21.0

221916 2008 SQ_{81} 10 9.3 342°.14 1°.4/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.49	+ 0 42.8	4.020	4.901	6.3	20.2
9 18	1 9.67	+ 0 11.4	3.953	4.900	4.4	20.0
9 28	1 5.12	− 0 21.8	3.914	4.898	2.4	19.9
10 8	1 0.17	− 0 54.2	3.904	4.897	1.4	19.8
10 18	0 55.19	− 1 23.6	3.925	4.896	2.9	19.9
10 28	0 50.57	− 1 47.5	3.975	4.895	4.9	20.1
11 7	0 46.64	− 2 4.2	4.052	4.894	6.7	20.2
11 17	0 43.69	− 2 12.5	4.154	4.893	8.4	20.3

227988 2007 JR_{5} 10 9.3 83°.64 0°.8/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.48	+11 57.7	2.266	3.128	11.2	20.9
9 18	1 13.61	+11 12.9	2.206	3.139	8.1	20.8
9 28	1 7.38	+10 16.3	2.170	3.150	4.6	20.6
10 8	1 0.43	+ 9 11.7	2.163	3.160	1.1	20.3
10 18	0 53.48	+ 8 4.5	2.184	3.171	3.0	20.5
10 28	0 47.29	+ 7 0.3	2.235	3.181	6.5	20.8
11 7	0 42.47	+ 6 4.3	2.312	3.192	9.6	21.0
11 17	0 39.41	+ 5 20.3	2.413	3.202	12.3	21.2

33788 1999 RL_{240} 10 9.3 109°.02 5°.6/ 3.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.61	− 9 51.0	2.228	3.119	10.2	17.9
9 18	1 15.07	−10 56.0	2.187	3.129	7.7	17.7
9 28	1 8.15	−11 55.8	2.172	3.138	5.8	17.6
10 8	1 0.52	−12 44.3	2.185	3.147	5.8	17.6
10 18	0 52.96	−13 16.9	2.225	3.157	7.6	17.8
10 28	0 46.22	−13 30.5	2.291	3.166	10.0	18.0
11 7	0 40.92	−13 24.5	2.381	3.175	12.4	18.1
11 17	0 37.44	−13 0.3	2.490	3.183	14.4	18.3

161340 2003 SK_{37} 10 9.3 81°.25 6°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.77	+24 56.4	1.744	2.552	16.4	19.7
9 18	1 19.26	+25 19.4	1.686	2.569	13.3	19.6
9 28	1 10.63	+25 18.0	1.650	2.586	9.9	19.4
10 8	1 0.83	+24 52.2	1.638	2.603	7.2	19.3
10 18	0 51.01	+24 5.1	1.652	2.620	6.5	19.3
10 28	0 42.38	+23 3.5	1.694	2.637	8.5	19.4
11 7	0 35.85	+21 56.5	1.760	2.653	11.4	19.6
11 17	0 31.94	+20 52.3	1.849	2.670	14.3	19.9

356155 2009 HZ_{12} 10 9.3 265°.38 1°.6/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.90	+ 1 44.6	1.927	2.807	12.1	20.9
9 18	1 19.92	+ 1 43.6	1.851	2.796	8.6	20.7
9 28	1 10.99	+ 1 39.2	1.800	2.785	4.7	20.4
10 8	1 0.88	+ 1 34.8	1.777	2.774	1.6	20.2
10 18	0 50.57	+ 1 34.2	1.783	2.763	4.7	20.4
10 28	0 41.12	+ 1 41.0	1.818	2.752	8.7	20.6
11 7	0 33.44	+ 1 57.8	1.878	2.740	12.4	20.8
11 17	0 28.09	+ 2 25.8	1.961	2.729	15.5	21.0

93228 2000 SH_{144} 10 9.3 311°.50 1°.0/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.06	+12 3.8	1.606	2.480	14.4	18.9
9 18	1 16.01	+11 24.8	1.538	2.477	10.5	18.7
9 28	1 8.92	+10 28.9	1.493	2.475	6.1	18.4
10 8	1 0.64	+ 9 20.8	1.474	2.472	1.5	18.1
10 18	0 52.23	+ 8 7.4	1.482	2.469	4.0	18.3
10 28	0 44.83	+ 6 57.4	1.517	2.467	8.6	18.6
11 7	0 39.35	+ 5 58.3	1.576	2.465	12.8	18.8
11 17	0 36.35	+ 5 15.3	1.657	2.463	16.3	19.0

118933 2000 WA_{27} 10 9.3 241°.29 3°.7/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.85	+20 53.4	2.294	3.115	12.5	19.6
9 18	1 14.77	+20 38.2	2.210	3.109	9.8	19.4
9 28	1 8.12	+20 5.0	2.150	3.103	6.9	19.2
10 8	1 0.55	+19 15.4	2.116	3.097	4.3	19.1
10 18	0 52.83	+18 12.9	2.111	3.090	4.1	19.0
10 28	0 45.81	+17 3.1	2.134	3.084	6.5	19.2
11 7	0 40.22	+15 52.8	2.185	3.077	9.5	19.4
11 17	0 36.56	+14 47.9	2.259	3.070	12.3	19.5

225011 2007 EV_{181} 10 9.3 148°.18 1°.2/10.7 18

9 8	1 18.47	+13 15.0	2.392	3.247	11.0	20.6
9 18	1 13.61	+12 34.0	2.321	3.250	8.0	20.5
9 28	1 7.41	+11 40.4	2.276	3.253	4.7	20.3
10 8	1 0.46	+10 37.7	2.259	3.255	1.5	20.0
10 18	0 53.47	+ 9 30.7	2.271	3.258	2.9	20.1
10 28	0 47.16	+ 8 24.9	2.312	3.260	6.2	20.4
11 7	0 42.15	+ 7 25.7	2.381	3.262	9.3	20.6
11 17	0 38.86	+ 6 37.2	2.474	3.264	12.0	20.8

61830 2000 QA_{196} 10 9.3 320°.53 2°.7/ 6.8 18 R

9 8	1 19.82	+ 1 15.4	1.818	2.712	12.0	19.1
9 18	1 14.93	+ 0 26.8	1.751	2.704	8.4	18.9
9 28	1 8.26	− 0 27.1	1.709	2.696	4.7	18.6
10 8	1 0.57	− 1 20.3	1.694	2.688	2.7	18.5
10 18	0 52.75	− 2 6.5	1.707	2.681	5.6	18.7
10 28	0 45.79	− 2 39.9	1.746	2.674	9.4	18.9
11 7	0 40.48	− 2 56.8	1.809	2.667	13.0	19.1
11 17	0 37.33	− 2 55.7	1.892	2.660	16.0	19.3

507986 2015 BC_{149} 10 9.3 245°.97 5°.4/ 4.9 17

9 8	1 23.78	− 3 35.7	1.432	2.335	14.0	21.0
9 18	1 18.07	− 4 52.4	1.376	2.330	10.1	20.8
9 28	1 10.08	− 6 10.8	1.343	2.324	6.5	20.6
10 8	1 0.79	− 7 21.2	1.335	2.319	5.7	20.5
10 18	0 51.38	− 8 14.7	1.353	2.313	8.7	20.7
10 28	0 43.16	− 8 44.6	1.396	2.307	12.7	20.9
11 7	0 37.10	− 8 48.3	1.460	2.301	16.5	21.1
11 17	0 33.79	− 8 27.0	1.543	2.295	19.7	21.3

23381 3363 $T\text{-}_2$ 10 9.3 317°.66 0°.1/ 9.4 18

9 8	1 20.10	+ 8 28.6	1.985	2.861	12.0	19.4
9 18	1 15.03	+ 8 3.2	1.913	2.855	8.6	19.2
9 28	1 8.30	+ 7 27.4	1.866	2.849	4.7	18.9
10 8	1 0.58	+ 6 45.2	1.845	2.844	0.6	18.6
10 18	0 52.74	+ 6 1.3	1.852	2.838	3.6	18.8
10 28	0 45.68	+ 5 21.3	1.888	2.833	7.6	19.1
11 7	0 40.17	+ 4 50.3	1.949	2.828	11.2	19.3
11 17	0 36.71	+ 4 31.5	2.032	2.823	14.2	19.5

304336 2006 SM_{249} 10 9.3 306°.71 0°.3/ 9.6 18

9 8	1 18.31	+10 51.5	1.740	2.618	13.3	20.3
9 18	1 14.04	+ 9 56.6	1.659	2.601	9.6	20.0
9 28	1 7.88	+ 8 45.3	1.601	2.584	5.4	19.7
10 8	1 0.55	+ 7 22.6	1.569	2.568	0.8	19.4
10 18	0 52.98	+ 5 55.9	1.565	2.551	4.0	19.6
10 28	0 46.22	+ 4 33.8	1.588	2.535	8.6	19.8
11 7	0 41.15	+ 3 24.2	1.636	2.519	12.7	20.0
11 17	0 38.37	+ 2 32.4	1.705	2.504	16.2	20.2

451601 2012 CD_{47} 10 9.3 169°.70 1°.2/10.6 18

9 8	1 21.94	+11 28.6	2.417	3.272	10.9	21.4
9 18	1 16.08	+11 24.0	2.345	3.273	7.9	21.2
9 28	1 8.77	+11 9.5	2.298	3.274	4.7	21.0
10 8	1 0.64	+10 47.2	2.279	3.276	1.6	20.8
10 18	0 52.42	+10 20.3	2.290	3.276	2.9	20.9
10 28	0 44.90	+ 9 52.8	2.330	3.277	6.3	21.1
11 7	0 38.74	+ 9 29.0	2.398	3.278	9.3	21.3
11 17	0 34.38	+ 9 12.0	2.490	3.278	12.0	21.5

348341 2005 EO_{51} 10 9.3 212°.25 3°.0/ 5.7 18

9 8	1 19.90	+ 0 52.6	2.166	3.054	10.6	21.2
9 18	1 14.74	− 0 32.4	2.098	3.048	7.4	21.0
9 28	1 8.08	− 2 3.0	2.058	3.042	4.3	20.8
10 8	1 0.57	− 3 32.4	2.046	3.036	3.1	20.7
10 18	0 52.96	− 4 53.7	2.063	3.029	5.7	20.8
10 28	0 46.08	− 6 0.5	2.109	3.021	9.0	21.0
11 7	0 40.62	− 6 48.9	2.180	3.013	12.0	21.2
11 17	0 37.03	− 7 17.3	2.272	3.005	14.6	21.4

246202 2007 RC_{136} 10 9.3 151°.05 1°.5/ 8.1 17

9 8	1 25.16	+ 5 47.6	1.396	2.286	15.2	21.2
9 18	1 19.04	+ 4 56.1	1.340	2.290	10.7	20.9
9 28	1 10.60	+ 3 52.8	1.307	2.294	5.7	20.6
10 8	1 0.86	+ 2 45.1	1.299	2.297	1.5	20.4
10 18	0 51.09	+ 1 41.4	1.318	2.300	5.5	20.7
10 28	0 42.59	+ 0 50.1	1.363	2.303	10.4	20.9
11 7	0 36.37	+ 0 17.0	1.431	2.305	14.8	21.2
11 17	0 32.97	+ 0 4.5	1.519	2.307	18.4	21.5

433387 2013 SU_{80} 10 9.3 44°.39 1°.9/10.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 25.21	+11 57.1	1.104	1.993	18.4	20.5
9 18	1 19.34	+11 51.1	1.064	2.009	13.4	20.2
9 28	1 10.80	+11 25.5	1.044	2.027	7.8	20.0
10 8	1 0.88	+10 45.1	1.047	2.045	2.5	19.7
10 18	0 51.11	+ 9 57.5	1.075	2.063	4.8	19.9
10 28	0 43.04	+ 9 12.1	1.127	2.082	10.1	20.3
11 7	0 37.69	+ 8 37.2	1.200	2.102	14.9	20.6
11 17	0 35.54	+ 8 17.6	1.293	2.122	18.7	21.0

411141 2009 WW_{252} 10 9.3 347°.67 0°.6/ 9.9 17

9 8	1 17.63	+10 30.0	1.827	2.705	12.8	20.9
9 18	1 13.40	+ 9 57.0	1.757	2.699	9.2	20.7
9 28	1 7.46	+ 9 10.8	1.710	2.693	5.2	20.4
10 8	1 0.50	+ 8 15.4	1.689	2.688	1.0	20.1
10 18	0 53.42	+ 7 16.7	1.696	2.683	3.6	20.3
10 28	0 47.16	+ 6 21.4	1.730	2.679	7.8	20.6
11 7	0 42.50	+ 5 35.6	1.789	2.676	11.6	20.8
11 17	0 39.97	+ 5 3.5	1.870	2.674	14.8	21.0

134280 2006 BR_{269} 10 9.3 264°.92 1°.1/10.4 17

9 8	1 22.06	+10 38.9	2.385	3.243	10.9	19.9
9 18	1 16.28	+10 35.8	2.298	3.229	8.0	19.7
9 28	1 8.96	+10 23.2	2.237	3.215	4.6	19.5
10 8	1 0.69	+10 3.2	2.204	3.202	1.4	19.2
10 18	0 52.22	+ 9 38.7	2.201	3.187	3.0	19.3
10 28	0 44.37	+ 9 13.8	2.227	3.173	6.5	19.5
11 7	0 37.85	+ 8 52.7	2.280	3.159	9.8	19.7
11 17	0 33.19	+ 8 38.9	2.357	3.144	12.6	19.9

25612 Yaoskalucia 10 9.3 236°.42 0°.0/ 9.3 18

9 8	1 19.63	+ 8 11.1	2.510	3.378	10.1	19.6
9 18	1 14.44	+ 7 42.1	2.431	3.370	7.2	19.4
9 28	1 7.89	+ 7 4.7	2.378	3.361	3.9	19.2
10 8	1 0.56	+ 6 22.2	2.354	3.353	0.5	18.9
10 18	0 53.12	+ 5 38.6	2.359	3.344	3.1	19.1
10 28	0 46.28	+ 4 58.3	2.394	3.335	6.5	19.3
11 7	0 40.67	+ 4 25.4	2.456	3.326	9.5	19.5
11 17	0 36.74	+ 4 2.8	2.541	3.317	12.1	19.7

186800 2004 EJ_{52} 10 9.3 126°.92 0°.7/ 8.7 18

9 8	1 25.52	+ 6 44.8	1.729	2.606	13.4	20.9
9 18	1 18.89	+ 6 9.6	1.675	2.619	9.5	20.7
9 28	1 10.37	+ 5 24.6	1.646	2.631	5.1	20.5
10 8	1 0.85	+ 4 35.1	1.644	2.643	0.7	20.2
10 18	0 51.38	+ 3 47.0	1.670	2.654	4.3	20.5
10 28	0 43.03	+ 3 6.7	1.725	2.665	8.6	20.8
11 7	0 36.61	+ 2 38.7	1.804	2.675	12.4	21.1
11 17	0 32.59	+ 2 25.8	1.905	2.684	15.5	21.3

391227 2006 JJ_{35} 10 9.3 259°.77 17°.6/30.6 16

9 8	1 41.55	−30 14.1	1.136	1.989	20.6	20.6
9 18	1 31.38	−31 18.2	1.095	1.980	18.6	20.4
9 28	1 17.51	−31 46.3	1.073	1.970	17.6	20.3
10 8	1 1.68	−31 24.2	1.070	1.960	18.0	20.3
10 18	0 46.13	−30 6.4	1.087	1.950	19.7	20.4
10 28	0 33.01	−27 56.8	1.124	1.940	22.1	20.6
11 7	0 23.66	−25 7.3	1.178	1.930	24.7	20.7
11 17	0 18.56	−21 51.6	1.247	1.920	27.1	20.9

509336 2006 XE_{29} 10 9.3 267°.94 2°.1/ 7.6 18

9 8	1 23.33	+ 3 43.6	1.519	2.412	14.0	22.0
9 18	1 17.77	+ 2 55.3	1.450	2.402	9.9	21.8
9 28	1 9.98	+ 1 57.5	1.404	2.391	5.4	21.5
10 8	1 0.83	+ 0 57.0	1.383	2.380	2.2	21.2
10 18	0 51.46	+ 0 1.5	1.390	2.369	5.8	21.4
10 28	0 43.13	− 0 41.3	1.422	2.358	10.5	21.7
11 7	0 36.84	− 1 6.3	1.478	2.347	14.7	21.9
11 17	0 33.22	− 1 11.0	1.554	2.336	18.3	22.1

496420 2014 DD_{49} 10 9.3 204°.30 2°.1/11.0 18

9 8	1 26.23	+12 44.3	2.016	2.868	12.8	21.5
9 18	1 19.43	+12 54.3	1.940	2.865	9.5	21.3
9 28	1 10.74	+12 52.1	1.888	2.862	5.8	21.0
10 8	1 0.91	+12 39.1	1.864	2.858	2.4	20.8
10 18	0 50.90	+12 18.4	1.869	2.854	3.6	20.9
10 28	0 41.74	+11 54.7	1.902	2.850	7.4	21.1
11 7	0 34.30	+11 33.0	1.963	2.845	10.9	21.3
11 17	0 29.13	+11 17.8	2.046	2.840	14.0	21.5

74316 1998 UW_{15} 10 9.3 24°.00 3°.5/ 7.3 18

9 8	1 25.86	− 0 35.1	1.179	2.085	16.1	17.6
9 18	1 19.75	− 0 52.8	1.134	2.091	11.4	17.4
9 28	1 11.04	− 1 13.1	1.110	2.098	6.4	17.1
10 8	1 0.95	− 1 29.0	1.111	2.105	3.6	17.0
10 18	0 50.91	− 1 34.4	1.136	2.114	7.1	17.2
10 28	0 42.42	− 1 24.3	1.185	2.123	11.9	17.5
11 7	0 36.52	− 0 56.7	1.256	2.132	16.2	17.8
11 17	0 33.74	− 0 12.2	1.345	2.143	19.8	18.1

219124 1998 TS_{27} 10 9.3 325°.04 0°.2/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.28	+ 7 33.8	2.096	2.968	11.6	20.3
9 18	1 16.52	+ 7 29.7	2.024	2.964	8.3	20.1
9 28	1 9.11	+ 7 17.6	1.977	2.960	4.6	19.8
10 8	1 0.74	+ 7 0.1	1.958	2.956	0.6	19.5
10 18	0 52.24	+ 6 40.9	1.967	2.953	3.4	19.8
10 28	0 44.51	+ 6 24.3	2.005	2.950	7.3	20.0
11 7	0 38.31	+ 6 14.2	2.069	2.946	10.7	20.2
11 17	0 34.14	+ 6 13.2	2.156	2.943	13.6	20.4

140819 2001 UR_{162} 10 9.3 145°.81 1°.1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.98	+12 22.3	2.037	2.900	12.3	20.4
9 18	1 14.90	+11 46.3	1.968	2.901	9.0	20.2
9 28	1 8.22	+10 56.6	1.923	2.902	5.2	20.0
10 8	1 0.63	+ 9 57.1	1.906	2.903	1.5	19.7
10 18	0 52.97	+ 8 53.1	1.917	2.904	3.3	19.9
10 28	0 46.11	+ 7 50.9	1.956	2.905	7.1	20.1
11 7	0 40.79	+ 6 56.6	2.022	2.905	10.6	20.3
11 17	0 37.47	+ 6 14.5	2.111	2.906	13.6	20.5

359531 2010 RV_{107} 10 9.3 83°.27 0°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.42	+ 7 44.8	2.025	2.901	11.8	21.1
9 18	1 15.13	+ 7 5.8	1.968	2.911	8.3	20.9
9 28	1 8.29	+ 6 17.3	1.935	2.920	4.5	20.7
10 8	1 0.64	+ 5 24.0	1.930	2.929	0.5	20.4
10 18	0 52.98	+ 4 31.1	1.954	2.938	3.7	20.6
10 28	0 46.18	+ 3 44.5	2.006	2.948	7.5	20.9
11 7	0 40.92	+ 3 8.5	2.084	2.957	10.8	21.1
11 17	0 37.63	+ 2 46.0	2.184	2.966	13.7	21.3

273076 2006 EQ_3 10 9.3 136°.71 1°.7/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.47	+13 1.9	2.345	3.197	11.3	21.2
9 18	1 15.82	+12 59.9	2.273	3.198	8.3	21.0
9 28	1 8.68	+12 46.8	2.225	3.199	5.1	20.8
10 8	1 0.69	+12 24.4	2.206	3.200	2.1	20.6
10 18	0 52.60	+11 55.9	2.215	3.201	3.1	20.7
10 28	0 45.22	+11 25.6	2.254	3.202	6.3	20.9
11 7	0 39.23	+10 57.9	2.319	3.203	9.4	21.1
11 17	0 35.09	+10 36.7	2.408	3.204	12.1	21.3

380724 2005 QD_{141} 10 9.3 61°.63 3°.1/ 6.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.81	+ 2 39.0	1.323	2.224	15.1	20.4
9 18	1 17.27	+ 1 28.1	1.284	2.240	10.5	20.2
9 28	1 9.57	+ 0 10.0	1.269	2.257	5.7	19.9
10 8	1 0.79	− 1 6.1	1.278	2.273	3.1	19.8
10 18	0 52.16	− 2 10.9	1.314	2.290	6.6	20.1
10 28	0 44.91	− 2 57.2	1.374	2.307	11.1	20.4
11 7	0 39.90	− 3 21.0	1.457	2.323	15.0	20.7
11 17	0 37.57	− 3 22.0	1.559	2.340	18.3	21.0

494163 2016 FK_2 10 9.3 232°.86 0°.3/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.86	+ 9 8.9	3.193	4.054	8.3	22.1
9 18	1 12.25	+ 8 48.3	3.117	4.052	6.0	22.0
9 28	1 6.64	+ 8 21.0	3.068	4.049	3.3	21.8
10 8	1 0.45	+ 7 49.3	3.048	4.046	0.6	21.6
10 18	0 54.21	+ 7 16.0	3.058	4.043	2.4	21.7
10 28	0 48.43	+ 6 44.3	3.097	4.041	5.1	21.9
11 7	0 43.59	+ 6 17.3	3.165	4.038	7.5	22.1
11 17	0 40.04	+ 5 57.3	3.258	4.035	9.7	22.2

98 Ianthe 10 9.3 244°.40 3°.5/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.17	+17 2.1	2.182	3.013	12.7	13.7
9 18	1 19.45	+17 23.0	2.091	3.000	9.8	13.5
9 28	1 10.82	+17 29.9	2.025	2.986	6.6	13.2
10 8	1 0.97	+17 22.8	1.986	2.971	3.9	13.1
10 18	0 50.80	+17 3.7	1.976	2.956	4.2	13.0
10 28	0 41.32	+16 36.7	1.995	2.941	7.2	13.2
11 7	0 33.43	+16 7.4	2.041	2.925	10.5	13.4
11 17	0 27.75	+15 41.1	2.111	2.909	13.5	13.6

136016 2002 VQ_{71} 10 9.3 324°.82 5°.7/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.36	− 6 51.5	1.632	2.533	12.8	19.0
9 18	1 16.90	− 7 42.1	1.573	2.524	9.4	18.8
9 28	1 9.43	− 8 29.8	1.538	2.515	6.5	18.6
10 8	1 0.80	− 9 7.3	1.528	2.506	5.9	18.6
10 18	0 52.07	− 9 27.9	1.544	2.498	8.4	18.7
10 28	0 44.34	− 9 27.5	1.586	2.491	11.8	18.9
11 7	0 38.53	− 9 4.8	1.649	2.483	15.2	19.1
11 17	0 35.15	− 8 21.4	1.732	2.476	18.1	19.3

49839 1999 XY_{87} 10 9.3 185°.07 2°.0/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.09	+14 40.5	1.847	2.700	13.8	19.0
9 18	1 18.00	+14 11.0	1.775	2.700	10.3	18.8
9 28	1 10.00	+13 24.6	1.726	2.700	6.3	18.5
10 8	1 0.87	+12 24.4	1.705	2.699	2.5	18.3
10 18	0 51.64	+11 16.0	1.711	2.698	3.7	18.4
10 28	0 43.35	+10 6.9	1.746	2.696	7.7	18.6
11 7	0 36.87	+ 9 4.4	1.808	2.693	11.6	18.8
11 17	0 32.74	+ 8 14.1	1.892	2.690	14.8	19.1

177776 2005 KJ_5 10 9.3 158°.33 0°.6/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.23	+10 25.7	1.765	2.632	13.7	21.4
9 18	1 18.78	+ 9 50.7	1.702	2.639	9.8	21.2
9 28	1 10.39	+ 9 2.0	1.663	2.645	5.5	21.0
10 8	1 0.93	+ 8 4.3	1.652	2.650	1.0	20.7
10 18	0 51.43	+ 7 3.7	1.669	2.655	3.9	20.9
10 28	0 42.97	+ 6 7.3	1.714	2.659	8.2	21.2
11 7	0 36.41	+ 5 21.2	1.784	2.662	12.1	21.4
11 17	0 32.26	+ 4 49.6	1.877	2.665	15.3	21.6

271473 2004 FW_3 10 9.3 301°.83 4°.6/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.72	+ 4 21.9	1.319	2.225	14.8	20.4
9 18	1 14.18	+ 1 33.1	1.237	2.197	10.4	20.0
9 28	1 8.24	− 1 40.1	1.180	2.168	5.9	19.7
10 8	1 0.70	− 5 2.5	1.151	2.140	5.1	19.6
10 18	0 52.73	− 8 15.1	1.149	2.112	9.4	19.7
10 28	0 45.70	−10 59.7	1.173	2.084	14.6	20.0
11 7	0 40.76	−13 4.7	1.219	2.056	19.3	20.2
11 17	0 38.68	−14 26.3	1.281	2.029	23.1	20.4

139060 2001 FD_3 10 9.3 128°.42 0°.7/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.01	+ 6 39.7	1.686	2.564	13.6	20.4
9 18	1 19.30	+ 6 2.7	1.633	2.577	9.6	20.2
9 28	1 10.64	+ 5 15.7	1.605	2.590	5.1	19.9
10 8	1 0.96	+ 4 24.2	1.603	2.602	0.8	19.6
10 18	0 51.33	+ 3 34.5	1.630	2.613	4.4	19.9
10 28	0 42.85	+ 2 52.9	1.684	2.624	8.8	20.2
11 7	0 36.36	+ 2 24.4	1.763	2.634	12.6	20.5
11 17	0 32.33	+ 2 11.3	1.864	2.644	15.8	20.7

242240 2003 SA_{174} 10 9.3 77°.59 1°.0/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.57	+ 8 52.7	2.239	3.094	11.6	19.8
9 18	1 20.72	+ 9 17.1	2.185	3.114	8.4	19.6
9 28	1 11.29	+ 9 33.6	2.157	3.135	4.8	19.5
10 8	1 1.04	+ 9 43.5	2.158	3.155	1.3	19.2
10 18	0 50.84	+ 9 49.0	2.190	3.176	3.2	19.4
10 28	0 41.60	+ 9 53.3	2.252	3.196	6.6	19.7
11 7	0 34.02	+ 9 59.5	2.343	3.216	9.8	19.9
11 17	0 28.52	+10 10.2	2.457	3.236	12.4	20.1

327235 2005 RN_{21} 10 9.3 84°.85 1°.4/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.56	+13 51.0	1.527	2.393	15.5	20.5
9 18	1 18.29	+12 55.8	1.485	2.419	11.2	20.3
9 28	1 10.06	+11 42.4	1.466	2.444	6.5	20.1
10 8	1 0.88	+10 17.1	1.472	2.470	1.9	19.8
10 18	0 51.92	+ 8 48.2	1.507	2.494	3.9	20.0
10 28	0 44.28	+ 7 25.2	1.569	2.519	8.4	20.4
11 7	0 38.77	+ 6 15.6	1.657	2.543	12.4	20.7
11 17	0 35.78	+ 5 24.1	1.766	2.566	15.7	20.9

474752 2005 QV_{23} 10 9.3 28°.19 0°.5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.69	+ 6 55.1	1.063	1.968	17.6	20.2
9 18	1 17.63	+ 6 34.0	1.024	1.980	12.5	20.0
9 28	1 9.94	+ 5 59.5	1.006	1.994	6.7	19.7
10 8	1 0.88	+ 5 18.2	1.010	2.009	0.8	19.4
10 18	0 51.95	+ 4 38.5	1.037	2.024	5.4	19.8
10 28	0 44.64	+ 4 8.6	1.089	2.041	10.9	20.1
11 7	0 39.97	+ 3 54.4	1.161	2.059	15.6	20.4
11 17	0 38.41	+ 3 58.2	1.253	2.077	19.5	20.8

482719 2013 EO_{18} 10 9.3 283°.94 0°.7/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.06	+ 9 32.1	1.950	2.817	12.6	22.4
9 18	1 18.17	+ 9 21.8	1.852	2.788	9.2	22.2
9 28	1 10.25	+ 9 0.1	1.778	2.759	5.3	21.9
10 8	1 0.98	+ 8 29.8	1.732	2.730	1.1	21.5
10 18	0 51.27	+ 7 54.8	1.714	2.700	3.7	21.7
10 28	0 42.21	+ 7 20.6	1.724	2.670	8.1	21.9
11 7	0 34.77	+ 6 52.9	1.760	2.640	12.2	22.1
11 17	0 29.63	+ 6 36.0	1.819	2.609	15.7	22.2

62511 2000 SU_{239} 10 9.3 34°.71 0°.7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.43	+11 36.8	1.427	2.309	15.4	19.6
9 18	1 15.69	+10 47.0	1.372	2.315	11.1	19.4
9 28	1 8.83	+ 9 39.4	1.339	2.322	6.3	19.1
10 8	1 0.79	+ 8 20.1	1.330	2.329	1.2	18.8
10 18	0 52.73	+ 6 57.8	1.349	2.336	4.3	19.1
10 28	0 45.85	+ 5 42.0	1.393	2.344	9.1	19.4
11 7	0 41.05	+ 4 40.7	1.461	2.352	13.4	19.7
11 17	0 38.83	+ 3 58.5	1.550	2.361	17.0	19.9

514722 2006 VL_6 10 9.3 184°.29 3°.3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.86	+20 27.9	2.275	3.099	12.5	21.7
9 18	1 14.77	+19 52.0	2.197	3.100	9.7	21.5
9 28	1 8.17	+18 57.5	2.142	3.099	6.6	21.3
10 8	1 0.72	+17 46.9	2.115	3.099	3.8	21.1
10 18	0 53.18	+16 24.6	2.116	3.098	3.7	21.1
10 28	0 46.39	+14 57.4	2.146	3.097	6.4	21.3
11 7	0 41.05	+13 32.5	2.204	3.096	9.5	21.5
11 17	0 37.59	+12 16.0	2.287	3.095	12.3	21.7

21725 Zhongyuechen 10 9.3 328°.68 0°.7/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 17.71	+ 8 2.6	1.873	2.757	12.2	18.1
9 18	1 13.46	+ 6 59.3	1.803	2.750	8.7	17.9
9 28	1 7.53	+ 5 43.7	1.757	2.744	4.6	17.6
10 8	1 0.65	+ 4 21.6	1.739	2.737	0.8	17.3
10 18	0 53.64	+ 3 0.2	1.748	2.731	4.2	17.6
10 28	0 47.44	+ 1 47.2	1.785	2.726	8.3	17.8
11 7	0 42.79	+ 0 48.5	1.847	2.721	12.0	18.0
11 17	0 40.19	+ 0 7.8	1.931	2.716	15.1	18.2

28617 2000 FB_{13} 10 9.3 299°.99 6°.9/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.18	−14 51.7	2.295	3.181	10.1	18.6
9 18	1 14.20	−16 7.2	2.249	3.179	8.2	18.4
9 28	1 7.82	−17 14.6	2.228	3.176	7.0	18.4
10 8	1 0.68	−18 7.4	2.234	3.173	7.4	18.4
10 18	0 53.52	−18 40.7	2.267	3.170	9.0	18.5
10 28	0 47.11	−18 51.7	2.325	3.168	11.1	18.6
11 7	0 42.06	−18 40.4	2.404	3.165	13.2	18.8
11 17	0 38.81	−18 8.5	2.502	3.163	15.0	18.9

451779 2013 GG_{92} 10 9.3 76°.07 12°.1/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.27	−35 20.6	2.285	3.093	13.0	20.0
9 18	1 19.12	−36 25.0	2.279	3.108	12.3	20.0
9 28	1 10.38	−37 5.1	2.295	3.122	12.1	20.0
10 8	1 0.97	−37 16.0	2.332	3.136	12.6	20.1
10 18	0 51.84	−36 55.8	2.390	3.150	13.5	20.2
10 28	0 43.93	−36 5.6	2.468	3.164	14.6	20.3
11 7	0 37.87	−34 49.5	2.563	3.178	15.6	20.4
11 17	0 34.02	−33 12.7	2.673	3.192	16.6	20.5

398036 2009 DJ_{130} 10 9.3 267°.52 3°.2/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.11	− 0 2.9	1.901	2.793	11.6	21.3
9 18	1 15.88	− 1 1.8	1.829	2.781	8.2	21.1
9 28	1 8.88	− 2 5.4	1.783	2.768	4.8	20.9
10 8	1 0.82	− 3 7.3	1.764	2.755	3.3	20.8
10 18	0 52.60	− 4 0.9	1.773	2.742	6.0	20.9
10 28	0 45.18	− 4 40.2	1.809	2.729	9.7	21.1
11 7	0 39.37	− 5 1.6	1.869	2.715	13.1	21.3
11 17	0 35.70	− 5 3.7	1.949	2.702	16.1	21.5

54395 2000 KD_{75} 10 9.3 235°.69 1°.6/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.88	+ 5 39.6	1.624	2.513	13.5	19.4
9 18	1 16.61	+ 4 36.9	1.558	2.508	9.5	19.2
9 28	1 9.32	+ 3 23.0	1.517	2.504	5.1	18.9
10 8	1 0.87	+ 2 4.8	1.502	2.499	1.6	18.7
10 18	0 52.30	+ 0 50.2	1.514	2.494	5.2	18.9
10 28	0 44.71	− 0 12.5	1.553	2.489	9.7	19.2
11 7	0 39.02	− 0 57.4	1.616	2.484	13.7	19.4
11 17	0 35.77	− 1 21.9	1.700	2.479	17.1	19.6

283122 2008 VQ_{53} 10 9.3 42°.19 4°.2/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.44	− 1 16.7	1.429	2.332	14.0	19.8
9 18	1 17.01	− 2 15.4	1.385	2.340	9.9	19.6
9 28	1 9.49	− 3 16.5	1.364	2.349	5.8	19.4
10 8	1 0.89	− 4 11.9	1.369	2.359	4.3	19.3
10 18	0 52.35	− 4 53.9	1.399	2.368	7.3	19.5
10 28	0 45.05	− 5 16.8	1.455	2.378	11.3	19.8
11 7	0 39.86	− 5 18.3	1.533	2.389	15.0	20.1
11 17	0 37.23	− 4 58.7	1.630	2.399	18.1	20.3

38598 1999 XQ_{208} 10 9.3 270°.16 1°.4/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.45	− 0 28.1	4.295	5.175	6.0	19.6
9 18	1 10.38	− 0 50.0	4.225	5.171	4.2	19.5
9 28	1 5.60	− 1 12.9	4.183	5.167	2.3	19.3
10 8	1 0.44	− 1 34.7	4.171	5.163	1.5	19.3
10 18	0 55.24	− 1 53.4	4.190	5.160	2.8	19.4
10 28	0 50.37	− 2 6.9	4.238	5.156	4.7	19.5
11 7	0 46.17	− 2 13.8	4.314	5.152	6.4	19.6
11 17	0 42.89	− 2 13.2	4.414	5.148	8.0	19.7

101410 1998 VZ_{6} 10 9.3 346°.80 0°.6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.02	+ 8 6.2	1.077	1.985	17.2	19.1
9 18	1 14.62	+ 7 26.2	1.017	1.975	12.3	18.8
9 28	1 8.54	+ 6 28.4	0.977	1.966	6.7	18.4
10 8	1 0.81	+ 5 20.0	0.959	1.958	0.8	18.0
10 18	0 52.83	+ 4 11.0	0.964	1.952	5.6	18.3
10 28	0 46.15	+ 3 12.6	0.993	1.947	11.5	18.6
11 7	0 41.97	+ 2 33.6	1.041	1.943	16.6	18.9
11 17	0 40.94	+ 2 18.1	1.108	1.941	20.9	19.2

62234 2000 SA_{73} 10 9.3 325°.14 1°.8/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.00	+ 3 29.0	1.840	2.731	12.1	18.9
9 18	1 15.11	+ 2 47.0	1.773	2.724	8.5	18.7
9 28	1 8.46	+ 1 57.8	1.730	2.717	4.6	18.5
10 8	1 0.79	+ 1 7.0	1.714	2.710	1.8	18.3
10 18	0 53.00	+ 0 20.5	1.725	2.704	4.9	18.5
10 28	0 46.04	− 0 15.8	1.763	2.698	8.9	18.7
11 7	0 40.72	− 0 37.7	1.826	2.692	12.5	18.9
11 17	0 37.54	− 0 43.1	1.910	2.687	15.5	19.1

243845 2000 VG_{50} 10 9.3 321°.15 5°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.22	+21 28.3	1.452	2.299	17.2	19.2
9 18	1 15.20	+21 16.3	1.370	2.283	13.6	19.0
9 28	1 8.79	+20 36.8	1.309	2.268	9.6	18.7
10 8	1 0.85	+19 30.5	1.271	2.254	6.0	18.5
10 18	0 52.57	+18 2.7	1.257	2.240	5.6	18.4
10 28	0 45.29	+16 23.2	1.270	2.227	9.1	18.6
11 7	0 40.14	+14 43.9	1.306	2.214	13.4	18.8
11 17	0 37.82	+13 15.6	1.363	2.203	17.3	19.0

315767 2008 FY_{69} 10 9.3 95°.75 0°.3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.57	+ 7 41.8	2.178	3.051	11.2	21.3
9 18	1 15.20	+ 7 7.9	2.120	3.061	7.9	21.1
9 28	1 8.37	+ 6 25.3	2.087	3.071	4.3	20.9
10 8	1 0.78	+ 5 38.1	2.082	3.081	0.5	20.6
10 18	0 53.18	+ 4 51.1	2.106	3.090	3.4	20.9
10 28	0 46.38	+ 4 9.4	2.158	3.100	7.0	21.1
11 7	0 41.02	+ 3 37.1	2.237	3.109	10.2	21.4
11 17	0 37.53	+ 3 16.9	2.339	3.118	12.9	21.6

81457 2000 GF_{130} 10 9.3 6°.76 0°.1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.61	+ 9 36.4	1.462	2.351	14.7	18.8
9 18	1 14.41	+ 8 48.5	1.403	2.352	10.5	18.6
9 28	1 8.17	+ 7 45.3	1.367	2.353	5.8	18.3
10 8	1 0.76	+ 6 32.8	1.356	2.355	0.7	17.9
10 18	0 53.28	+ 5 19.3	1.371	2.358	4.4	18.2
10 28	0 46.87	+ 4 13.4	1.412	2.361	9.2	18.5
11 7	0 42.43	+ 3 22.5	1.476	2.365	13.4	18.8
11 17	0 40.46	+ 2 50.4	1.561	2.370	17.0	19.0

400078 2006 SU_{266} 10 9.3 291°.39 3°.0/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.18	+18 56.3	1.945	2.786	13.7	20.7
9 18	1 14.53	+18 14.1	1.868	2.782	10.5	20.4
9 28	1 8.14	+17 11.3	1.814	2.779	6.9	20.2
10 8	1 0.76	+15 51.1	1.786	2.775	3.6	20.0
10 18	0 53.27	+14 19.3	1.786	2.772	3.8	20.0
10 28	0 46.61	+12 43.8	1.815	2.769	7.1	20.2
11 7	0 41.56	+11 13.4	1.870	2.765	10.7	20.4
11 17	0 38.63	+ 9 54.8	1.949	2.762	13.9	20.7

411547 2011 CX_{13} 10 9.3 142°.09 5°.8/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.81	+28 30.4	2.560	3.329	12.8	20.6
9 18	1 15.46	+28 42.0	2.480	3.331	10.7	20.5
9 28	1 8.58	+28 34.2	2.422	3.333	8.4	20.3
10 8	1 0.82	+28 6.8	2.389	3.335	6.5	20.2
10 18	0 52.93	+27 21.4	2.383	3.337	5.9	20.2
10 28	0 45.73	+26 22.5	2.405	3.339	6.9	20.2
11 7	0 39.92	+25 16.2	2.455	3.340	8.9	20.4
11 17	0 35.99	+24 8.6	2.529	3.342	11.1	20.5

73098 2002 GP_{21} 10 9.3 193°.40 0°.9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.48	+11 49.6	2.199	3.056	11.7	20.2
9 18	1 16.65	+11 14.3	2.124	3.054	8.5	19.9
9 28	1 9.23	+10 26.3	2.073	3.052	4.9	19.7
10 8	1 0.90	+ 9 29.2	2.051	3.049	1.3	19.5
10 18	0 52.46	+ 8 27.9	2.059	3.045	3.2	19.6
10 28	0 44.78	+ 7 28.3	2.095	3.041	6.9	19.8
11 7	0 38.58	+ 6 36.1	2.159	3.036	10.3	20.0
11 17	0 34.36	+ 5 55.3	2.246	3.031	13.2	20.2

228115 2008 TK_{76} 10 9.3 279°.52 0°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.83	+ 6 56.8	4.358	5.224	6.2	20.6
9 18	1 9.27	+ 6 25.9	4.280	5.218	4.3	20.4
9 28	1 5.02	+ 5 50.7	4.229	5.213	2.3	20.3
10 8	1 0.39	+ 5 13.3	4.208	5.207	0.3	20.1
10 18	0 55.71	+ 4 35.9	4.218	5.202	2.0	20.2
10 28	0 51.35	+ 4 0.9	4.258	5.196	4.0	20.4
11 7	0 47.62	+ 3 30.6	4.327	5.190	5.9	20.5
11 17	0 44.78	+ 3 6.6	4.421	5.185	7.5	20.6

511054 2013 SE_{14} 10 9.3 322°.07 1°.9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.04	+11 10.4	1.133	2.026	17.7	21.3
9 18	1 17.72	+11 13.1	1.057	2.005	13.2	21.0
9 28	1 10.42	+10 57.1	1.001	1.984	7.8	20.6
10 8	1 1.09	+10 25.2	0.967	1.964	2.4	20.3
10 18	0 51.19	+ 9 43.3	0.957	1.946	5.1	20.4
10 28	0 42.43	+ 9 0.6	0.970	1.928	11.0	20.6
11 7	0 36.29	+ 8 26.8	1.004	1.911	16.6	20.9
11 17	0 33.62	+ 8 8.7	1.056	1.895	21.3	21.1

498552 2008 HK_{9} 10 9.3 120°.94 0°.1/ 9.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.64	+ 8 50.4	1.671	2.544	14.0	22.3
9 18	1 19.10	+ 8 16.8	1.617	2.558	10.0	22.1
9 28	1 10.61	+ 7 31.1	1.587	2.571	5.4	21.9
10 8	1 1.07	+ 6 38.3	1.584	2.583	0.7	21.6
10 18	0 51.59	+ 5 44.7	1.610	2.595	4.1	21.9
10 28	0 43.25	+ 4 57.2	1.663	2.607	8.5	22.2
11 7	0 36.90	+ 4 21.2	1.741	2.618	12.4	22.4
11 17	0 33.03	+ 4 0.0	1.840	2.628	15.6	22.7

482267 2011 RC_3 10 9.3 180°.78 5°.8/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 24.72	+25 17.3	2.131	2.925	14.3	21.8
9 18	1 18.46	+25 32.9	2.052	2.926	11.6	21.6
9 28	1 10.32	+25 27.8	1.996	2.926	8.8	21.4
10 8	1 1.05	+25 1.4	1.964	2.927	6.5	21.3
10 18	0 51.60	+24 15.9	1.961	2.926	5.9	21.3
10 28	0 43.00	+23 16.7	1.985	2.925	7.6	21.4
11 7	0 36.10	+22 11.1	2.036	2.924	10.3	21.5
11 17	0 31.48	+21 6.5	2.110	2.923	13.0	21.7

102481 1999 TG_{252} 10 9.3 359°.21 6°.6/ 3.9 18

9 8	1 18.41	− 4 59.4	1.237	2.154	14.7	18.7
9 18	1 14.49	− 6 26.2	1.191	2.151	10.7	18.4
9 28	1 8.29	− 7 52.5	1.168	2.149	7.3	18.2
10 8	1 0.81	− 9 6.9	1.168	2.148	6.9	18.2
10 18	0 53.28	− 9 59.6	1.191	2.148	9.9	18.4
10 28	0 46.99	−10 24.0	1.237	2.150	13.9	18.6
11 7	0 42.90	−10 18.4	1.304	2.152	17.6	18.9
11 17	0 41.53	− 9 45.0	1.387	2.156	20.7	19.1

38073 1999 GX_{11} 10 9.3 30°.12 0°.6/ 8.9 18

9 8	1 20.69	+ 8 26.7	0.878	1.792	19.4	17.5
9 18	1 16.47	+ 7 39.9	0.848	1.808	13.7	17.2
9 28	1 9.41	+ 6 35.0	0.837	1.826	7.4	17.0
10 8	1 0.93	+ 5 22.1	0.847	1.846	0.9	16.6
10 18	0 52.70	+ 4 12.9	0.879	1.867	5.9	17.0
10 28	0 46.30	+ 3 18.9	0.934	1.889	11.8	17.4
11 7	0 42.76	+ 2 46.8	1.008	1.912	16.8	17.8
11 17	0 42.45	+ 2 38.9	1.100	1.937	20.8	18.2

288594 2004 JC_{25} 10 9.4 155°.04 0°.7/ 8.5 18

9 8	1 20.02	+ 7 8.8	2.274	3.148	10.8	21.2
9 18	1 14.80	+ 6 14.9	2.210	3.153	7.6	21.0
9 28	1 8.18	+ 5 12.2	2.172	3.157	4.0	20.7
10 8	1 0.80	+ 4 5.4	2.163	3.161	0.7	20.5
10 18	0 53.39	+ 3 0.1	2.183	3.165	3.6	20.7
10 28	0 46.71	+ 2 1.8	2.232	3.169	7.1	21.0
11 7	0 41.41	+ 1 15.0	2.308	3.172	10.3	21.2
11 17	0 37.89	+ 0 42.5	2.407	3.175	12.9	21.4

387268 2012 UW_{109} 10 9.4 96°.72 1°.1/10.3 18

9 8	1 26.24	+10 49.9	1.793	2.656	13.6	20.6
9 18	1 19.40	+10 37.9	1.742	2.676	9.9	20.4
9 28	1 10.72	+10 13.6	1.716	2.696	5.6	20.2
10 8	1 1.10	+ 9 40.2	1.717	2.715	1.5	19.9
10 18	0 51.57	+ 9 2.7	1.747	2.733	3.6	20.1
10 28	0 43.16	+ 8 26.9	1.804	2.752	7.7	20.4
11 7	0 36.67	+ 7 58.1	1.888	2.770	11.4	20.7
11 17	0 32.54	+ 7 39.9	1.994	2.787	14.4	20.9

239436 2007 TH_{163} 10 9.4 89°.83 1°.8/11.3 18

9 8	1 19.78	+15 57.6	1.809	2.665	13.9	20.1
9 18	1 14.96	+14 57.9	1.743	2.670	10.3	19.9
9 28	1 8.38	+13 38.7	1.700	2.675	6.3	19.7
10 8	1 0.83	+12 4.9	1.684	2.680	2.4	19.4
10 18	0 53.24	+10 24.0	1.697	2.685	3.5	19.5
10 28	0 46.59	+ 8 45.0	1.738	2.689	7.6	19.8
11 7	0 41.65	+ 7 16.2	1.805	2.694	11.4	20.0
11 17	0 38.91	+ 6 3.7	1.895	2.699	14.6	20.3

279621 2011 EW_{41} 10 9.4 225°.76 4°.3/ 5.7 18

9 8	1 24.69	− 2 51.0	1.718	2.611	12.6	20.7
9 18	1 18.54	− 3 46.4	1.655	2.605	9.0	20.5
9 28	1 10.39	− 4 43.4	1.616	2.598	5.6	20.3
10 8	1 1.09	− 5 34.8	1.605	2.591	4.4	20.2
10 18	0 51.66	− 6 14.0	1.620	2.584	7.1	20.3
10 28	0 43.22	− 6 35.4	1.663	2.576	10.8	20.5
11 7	0 36.66	− 6 36.7	1.728	2.568	14.4	20.7
11 17	0 32.53	− 6 17.8	1.814	2.559	17.3	20.9

251668 1995 FO_4 10 9.4 245°.84 0°.5/ 9.7 18

9 8	1 27.06	+ 8 46.1	1.497	2.374	15.1	20.6
9 18	1 20.61	+ 8 36.9	1.424	2.366	11.0	20.3
9 28	1 11.70	+ 8 15.0	1.374	2.357	6.2	20.0
10 8	1 1.26	+ 7 43.7	1.349	2.348	1.0	19.7
10 18	0 50.54	+ 7 8.6	1.352	2.338	4.5	19.9
10 28	0 40.90	+ 6 36.6	1.381	2.329	9.5	20.2
11 7	0 33.48	+ 6 14.0	1.434	2.319	14.1	20.4
11 17	0 28.94	+ 6 5.1	1.508	2.308	17.9	20.6

105129 2000 MH_2 10 9.4 71°.95 5°.1/ 4.6 18

9 8	1 22.55	− 6 13.0	1.837	2.733	11.8	19.2
9 18	1 16.66	− 7 16.0	1.804	2.753	8.6	19.1
9 28	1 9.17	− 8 15.6	1.796	2.773	5.8	18.9
10 8	1 0.92	− 9 5.0	1.815	2.793	5.3	19.0
10 18	0 52.83	− 9 38.5	1.862	2.812	7.5	19.1
10 28	0 45.80	− 9 52.9	1.934	2.832	10.4	19.4
11 7	0 40.49	− 9 47.2	2.030	2.852	13.2	19.6
11 17	0 37.30	− 9 22.9	2.146	2.872	15.5	19.8

224206 Pietchisson 10 9.4 58°.44 2°.5/11.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.61	+15 48.3	1.319	2.189	17.2	20.2
9 18	1 17.33	+15 7.6	1.272	2.205	12.7	20.0
9 28	1 9.76	+14 3.9	1.246	2.222	7.8	19.8
10 8	1 1.01	+12 42.9	1.244	2.239	3.1	19.5
10 18	0 52.35	+11 13.5	1.268	2.256	4.3	19.7
10 28	0 45.09	+ 9 46.5	1.318	2.273	9.0	20.0
11 7	0 40.13	+ 8 31.7	1.392	2.291	13.4	20.3
11 17	0 37.96	+ 7 35.1	1.486	2.308	17.1	20.6

22141 2000 VH_{36} 10 9.4 336°.29 4°.7/13.1 18

9 8	1 14.43	+19 9.8	1.138	2.016	18.8	17.0
9 18	1 12.23	+18 53.2	1.058	1.992	14.7	16.6
9 28	1 7.39	+18 4.8	0.997	1.968	10.1	16.3
10 8	1 0.76	+16 46.0	0.956	1.947	5.6	16.0
10 18	0 53.65	+15 3.6	0.939	1.926	5.6	15.9
10 28	0 47.61	+13 10.5	0.944	1.908	10.3	16.1
11 7	0 43.99	+11 22.2	0.970	1.891	15.5	16.4
11 17	0 43.58	+ 9 51.1	1.016	1.877	20.3	16.6

92988 2000 RJ_{73} 10 9.4 18°.59 2°.1/ 7.9 18 R

9 8	1 21.94	+ 3 44.4	1.217	2.123	15.8	18.9
9 18	1 17.01	+ 3 10.1	1.171	2.128	11.1	18.7
9 28	1 9.67	+ 2 26.9	1.145	2.134	6.0	18.4
10 8	1 1.01	+ 1 42.1	1.143	2.141	2.1	18.2
10 18	0 52.36	+ 1 3.5	1.167	2.149	6.0	18.5
10 28	0 45.08	+ 0 38.4	1.214	2.158	11.0	18.8
11 7	0 40.17	+ 0 31.3	1.283	2.168	15.4	19.1
11 17	0 38.13	+ 0 43.4	1.371	2.179	19.0	19.3

237988 2002 SM_{34} 10 9.4 52°.84 3°.2/ 6.6 18

9 8	1 21.54	+ 1 31.6	1.509	2.408	13.7	19.8
9 18	1 16.22	+ 0 23.5	1.473	2.428	9.5	19.6
9 28	1 9.03	− 0 49.4	1.461	2.448	5.3	19.4
10 8	1 0.92	− 1 59.0	1.475	2.468	3.2	19.3
10 18	0 52.98	− 2 57.4	1.515	2.489	6.3	19.6
10 28	0 46.24	− 3 38.5	1.582	2.509	10.2	19.8
11 7	0 41.47	− 3 59.3	1.671	2.530	13.8	20.1
11 17	0 39.07	− 3 59.4	1.781	2.551	16.7	20.4

95241 2002 CF_{50} 10 9.4 190°.98 0°.3/ 8.9 18

9 8	1 20.06	+ 7 37.5	2.232	3.105	10.9	20.1
9 18	1 14.91	+ 6 59.8	2.164	3.105	7.8	19.9
9 28	1 8.29	+ 6 13.3	2.120	3.105	4.2	19.7
10 8	1 0.85	+ 5 21.8	2.105	3.104	0.5	19.4
10 18	0 53.34	+ 4 30.3	2.119	3.103	3.5	19.6
10 28	0 46.54	+ 3 44.0	2.161	3.102	7.1	19.9
11 7	0 41.14	+ 3 7.4	2.230	3.101	10.3	20.1
11 17	0 37.56	+ 2 43.3	2.322	3.100	13.1	20.3

518039 2015 XB_{60} 10 9.4 281°.43 4°.2/ 4.5 18

9 8	1 19.04	− 5 13.0	2.304	3.197	9.9	21.4
9 18	1 14.11	− 6 13.5	2.248	3.196	7.1	21.2
9 28	1 7.82	− 7 13.1	2.218	3.195	4.8	21.1
10 8	1 0.79	− 8 6.3	2.216	3.194	4.4	21.0
10 18	0 53.72	− 8 47.8	2.242	3.194	6.3	21.2
10 28	0 47.36	− 9 13.9	2.296	3.193	9.0	21.3
11 7	0 42.32	− 9 22.7	2.373	3.192	11.6	21.5
11 17	0 39.02	− 9 14.1	2.472	3.192	13.9	21.7

265079 2003 SW_{162} 10 9.4 32°.99 0°.3/ 9.1 18

9 8	1 18.19	+ 8 42.2	1.883	2.763	12.3	20.1
9 18	1 13.71	+ 7 51.7	1.828	2.773	8.7	19.9
9 28	1 7.66	+ 6 50.0	1.798	2.783	4.7	19.7
10 8	1 0.77	+ 5 42.6	1.795	2.794	0.5	19.4
10 18	0 53.89	+ 4 35.8	1.820	2.805	3.8	19.7
10 28	0 47.89	+ 3 36.2	1.873	2.817	7.7	20.0
11 7	0 43.44	+ 2 49.0	1.951	2.829	11.2	20.2
11 17	0 40.99	+ 2 17.3	2.051	2.842	14.1	20.4

323569 2004 TG_{113} 10 9.4 261°.38 0°.1/ 9.4 17

9 8	1 20.05	+ 8 29.7	2.433	3.300	10.4	21.2
9 18	1 14.91	+ 8 0.5	2.347	3.285	7.4	21.0
9 28	1 8.32	+ 7 22.3	2.287	3.270	4.1	20.7
10 8	1 0.87	+ 6 38.2	2.255	3.254	0.5	20.4
10 18	0 53.24	+ 5 52.4	2.253	3.238	3.1	20.6
10 28	0 46.20	+ 5 9.6	2.280	3.222	6.7	20.8
11 7	0 40.41	+ 4 34.2	2.334	3.206	9.9	21.0
11 17	0 36.37	+ 4 9.5	2.411	3.189	12.6	21.2

54499 2000 OS_{41} 10 9.4 99°.62 4°.1/14.1 18

9 8	1 20.67	+22 6.9	2.067	2.887	13.8	19.0
9 18	1 15.47	+21 41.6	1.999	2.896	10.8	18.8
9 28	1 8.64	+20 55.8	1.954	2.905	7.6	18.6
10 8	1 0.90	+19 51.5	1.935	2.914	4.8	18.5
10 18	0 53.13	+18 33.4	1.943	2.923	4.4	18.5
10 28	0 46.23	+17 8.5	1.980	2.931	6.8	18.6
11 7	0 40.95	+15 44.8	2.044	2.940	9.9	18.8
11 17	0 37.73	+14 28.9	2.133	2.948	12.8	19.0

149264 2002 TK_{44} 10 9.4 298°.02 3°.6/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.43	+ 1 43.6	1.395	2.297	14.4	19.4
9 18	1 16.58	+ 0 24.3	1.334	2.290	10.1	19.2
9 28	1 9.46	− 1 3.8	1.296	2.283	5.7	18.9
10 8	1 1.01	− 2 31.3	1.284	2.277	3.7	18.8
10 18	0 52.41	− 3 48.2	1.297	2.270	7.2	19.0
10 28	0 44.92	− 4 45.6	1.336	2.263	11.7	19.2
11 7	0 39.55	− 5 18.4	1.396	2.257	15.9	19.5
11 17	0 36.88	− 5 25.4	1.475	2.251	19.4	19.7

141631 2002 JL_{49} 10 9.4 103°.52 0°.4/ 9.7 17

9 8	1 27.41	+ 9 15.0	1.473	2.350	15.3	19.8
9 18	1 20.56	+ 8 54.2	1.423	2.365	11.0	19.6
9 28	1 11.49	+ 8 20.1	1.396	2.379	6.1	19.4
10 8	1 1.24	+ 7 37.3	1.395	2.393	1.0	19.1
10 18	0 51.07	+ 6 52.3	1.421	2.407	4.3	19.4
10 28	0 42.23	+ 6 12.3	1.473	2.421	9.1	19.7
11 7	0 35.66	+ 5 43.1	1.551	2.434	13.3	20.0
11 17	0 31.85	+ 5 28.4	1.649	2.447	16.7	20.2

401077 2011 UM_{101} 10 9.4 343°.88 9°.3/ 2.5 18

9 8	1 28.26	−18 50.0	1.742	2.618	13.4	20.4
9 18	1 20.97	−19 27.1	1.695	2.615	11.0	20.2
9 28	1 11.64	−19 48.8	1.672	2.612	9.5	20.1
10 8	1 1.26	−19 48.1	1.673	2.610	9.6	20.1
10 18	0 50.96	−19 20.8	1.700	2.607	11.2	20.2
10 28	0 41.90	−18 26.3	1.752	2.606	13.7	20.4
11 7	0 34.91	−17 7.8	1.825	2.604	16.2	20.6
11 17	0 30.49	−15 29.9	1.917	2.603	18.4	20.7

228098 2008 SM_{38} 10 9.4 64°.11 0°.4/ 8.6 18

9 8	1 13.98	+ 5 15.7	4.412	5.280	6.1	20.7
9 18	1 10.07	+ 4 57.1	4.341	5.281	4.2	20.6
9 28	1 5.48	+ 4 35.4	4.297	5.281	2.3	20.4
10 8	1 0.52	+ 4 12.2	4.283	5.282	0.4	20.3
10 18	0 55.53	+ 3 49.6	4.300	5.282	2.0	20.4
10 28	0 50.85	+ 3 29.6	4.347	5.283	4.0	20.6
11 7	0 46.83	+ 3 14.1	4.423	5.283	5.8	20.7
11 17	0 43.69	+ 3 4.3	4.523	5.284	7.4	20.8

326867 2003 UO_{243} 10 9.4 357°.85 1°.7/ 8.5 18

9 8	1 20.55	+ 3 37.2	0.869	1.792	18.7	19.1
9 18	1 16.82	+ 3 36.5	0.820	1.785	13.3	18.8
9 28	1 9.91	+ 3 26.1	0.790	1.781	7.2	18.5
10 8	1 1.08	+ 3 12.7	0.779	1.778	1.7	18.1
10 18	0 52.06	+ 3 3.6	0.791	1.777	6.6	18.4
10 28	0 44.68	+ 3 6.7	0.823	1.779	12.8	18.8
11 7	0 40.31	+ 3 26.6	0.873	1.783	18.2	19.1
11 17	0 39.57	+ 4 4.8	0.941	1.788	22.6	19.4

14349 Nikitamikhalkov 10 9.4 345°.87 1°.4/ 7.9 18

9 8	1 18.66	+ 4 29.3	2.015	2.902	11.3	17.6
9 18	1 14.05	+ 3 49.9	1.948	2.897	8.0	17.4
9 28	1 7.89	+ 3 3.4	1.906	2.893	4.3	17.2
10 8	1 0.83	+ 2 14.5	1.892	2.890	1.4	17.0
10 18	0 53.67	+ 1 28.6	1.905	2.886	4.3	17.2
10 28	0 47.28	+ 0 51.1	1.947	2.883	8.0	17.4
11 7	0 42.35	+ 0 26.0	2.013	2.881	11.4	17.6
11 17	0 39.36	+ 0 15.7	2.101	2.879	14.2	17.8

473379 2015 US_{66} 10 9.4 322°.76 4°.9/ 3.9 18

9 8	1 17.63	− 4 17.4	1.903	2.805	11.2	20.4
9 18	1 13.43	− 5 41.8	1.841	2.794	8.1	20.2
9 28	1 7.58	− 7 7.5	1.803	2.782	5.4	20.0
10 8	1 0.79	− 8 26.9	1.793	2.772	5.1	20.0
10 18	0 53.88	− 9 32.3	1.809	2.761	7.5	20.1
10 28	0 47.73	−10 18.0	1.852	2.751	10.7	20.3
11 7	0 43.10	−10 41.1	1.917	2.741	13.8	20.5
11 17	0 40.47	−10 41.4	2.002	2.732	16.4	20.7

406980 2009 QG_{63} 10 9.4 20°.89 9°.0/19.7 17

9 8	1 21.99	+34 13.7	2.012	2.758	16.5	20.1
9 18	1 16.79	+34 50.0	1.939	2.762	14.3	20.0
9 28	1 9.53	+34 59.3	1.886	2.766	12.0	19.8
10 8	1 1.04	+34 39.8	1.854	2.771	10.0	19.7
10 18	0 52.35	+33 52.2	1.846	2.776	9.0	19.7
10 28	0 44.61	+32 41.7	1.863	2.782	9.5	19.7
11 7	0 38.75	+31 16.7	1.905	2.787	11.2	19.8
11 17	0 35.36	+29 46.6	1.970	2.794	13.4	20.0

148464 2001 AT_{12} 10 9.4 147°.83 3°.3/ 4.9 18

9 8	1 19.06	− 3 12.2	2.672	3.559	8.9	19.8
9 18	1 13.95	− 4 16.8	2.619	3.566	6.3	19.6
9 28	1 7.68	− 5 21.9	2.594	3.574	4.0	19.5
10 8	1 0.80	− 6 22.3	2.598	3.581	3.4	19.5
10 18	0 53.92	− 7 13.6	2.632	3.588	5.3	19.6
10 28	0 47.68	− 7 52.0	2.694	3.594	7.8	19.8
11 7	0 42.59	− 8 15.5	2.782	3.600	10.1	20.0
11 17	0 39.03	− 8 23.3	2.892	3.606	12.2	20.1

503880 2000 YJ_{29} 10 9.4 53°.55 18°.5/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	3 8.01	+70 12.0	1.622	1.971	30.6	21.8
9 18	2 34.97	+71 33.4	1.620	2.070	28.4	21.9
9 28	1 51.10	+71 45.9	1.624	2.164	26.0	21.9
10 8	1 5.59	+70 30.4	1.638	2.254	23.6	21.9
10 18	0 28.38	+67 51.1	1.667	2.339	21.5	22.0
10 28	0 3.51	+64 12.5	1.716	2.421	19.8	22.1
11 7	23 49.66	+60 5.0	1.788	2.498	18.8	22.2
11 17	23 43.99	+55 53.3	1.883	2.572	18.5	22.4

515353 2013 CL_{61} 10 9.4 219°.60 3°.3/ 5.4 18

9 8	1 19.59	− 0 38.9	2.185	3.076	10.4	22.1
9 18	1 14.61	− 1 59.5	2.120	3.070	7.3	21.9
9 28	1 8.16	− 3 24.1	2.081	3.064	4.4	21.7
10 8	1 0.87	− 4 46.1	2.071	3.058	3.5	21.6
10 18	0 53.49	− 5 58.9	2.090	3.052	5.9	21.8
10 28	0 46.82	− 6 56.8	2.136	3.045	9.0	22.0
11 7	0 41.54	− 7 36.2	2.208	3.038	12.0	22.2
11 17	0 38.09	− 7 55.9	2.300	3.031	14.5	22.3

28930 2000 RA_{31} 10 9.4 102°.12 3°.4/13.2 18

9 8	1 20.84	+19 32.8	2.115	2.946	13.1	18.2
9 18	1 15.58	+19 14.6	2.046	2.953	10.1	18.1
9 28	1 8.71	+18 38.4	2.001	2.959	6.9	17.9
10 8	1 0.94	+17 46.5	1.982	2.966	4.0	17.7
10 18	0 53.12	+16 42.9	1.991	2.973	3.9	17.7
10 28	0 46.13	+15 34.0	2.028	2.980	6.7	17.9
11 7	0 40.68	+14 26.6	2.093	2.986	9.8	18.1
11 17	0 37.26	+13 26.7	2.181	2.993	12.7	18.3

385383 2002 RK_{283} 10 9.4 67°.40 4°.5/ 5.3 16

9 8	1 23.78	− 2 32.7	1.639	2.536	12.9	20.4
9 18	1 17.56	− 3 52.6	1.616	2.568	9.1	20.2
9 28	1 9.67	− 5 11.5	1.619	2.600	5.6	20.1
10 8	1 1.04	− 6 21.4	1.648	2.633	4.6	20.1
10 18	0 52.71	− 7 15.4	1.704	2.664	7.2	20.3
10 28	0 45.62	− 7 49.0	1.787	2.696	10.5	20.6
11 7	0 40.45	− 8 1.0	1.893	2.727	13.5	20.8
11 17	0 37.53	− 7 52.5	2.019	2.758	16.0	21.1

377318 2004 HJ_{47} 10 9.4 250°.45 1°.7/ 8.0 18

9 8	1 24.54	+ 4 23.1	1.652	2.538	13.4	20.8
9 18	1 18.62	+ 3 43.5	1.578	2.527	9.5	20.5
9 28	1 10.57	+ 2 54.7	1.528	2.515	5.2	20.3
10 8	1 1.20	+ 2 2.5	1.505	2.503	1.7	20.0
10 18	0 51.59	+ 1 13.5	1.509	2.490	5.2	20.2
10 28	0 42.93	+ 0 34.6	1.540	2.477	9.7	20.4
11 7	0 36.19	+ 0 10.9	1.596	2.464	13.8	20.7
11 17	0 32.00	+ 0 5.1	1.671	2.450	17.3	20.9

345483 2006 HG_{91} 10 9.4 249°.58 5°.8/ 4.3 18

9 8	1 24.30	− 7 56.2	1.796	2.689	12.2	21.0
9 18	1 18.20	− 8 50.0	1.738	2.683	9.0	20.8
9 28	1 10.21	− 9 40.2	1.704	2.677	6.4	20.6
10 8	1 1.14	−10 19.5	1.697	2.671	6.0	20.6
10 18	0 52.00	−10 42.1	1.717	2.664	8.3	20.7
10 28	0 43.83	−10 43.9	1.763	2.658	11.4	20.9
11 7	0 37.47	−10 24.2	1.831	2.651	14.5	21.0
11 17	0 33.44	− 9 44.3	1.919	2.644	17.2	21.2

451638 2012 HF_{56} 10 9.4 211°.50 0°.2/ 9.7 18

9 8	1 19.48	+ 9 17.9	2.737	3.598	9.5	22.2
9 18	1 14.33	+ 8 47.8	2.659	3.593	6.8	22.0
9 28	1 7.95	+ 8 9.4	2.606	3.588	3.8	21.8
10 8	1 0.87	+ 7 25.5	2.583	3.582	0.6	21.5
10 18	0 53.69	+ 6 39.8	2.590	3.575	2.7	21.7
10 28	0 47.07	+ 5 56.5	2.626	3.569	5.9	21.9
11 7	0 41.57	+ 5 19.6	2.691	3.562	8.7	22.1
11 17	0 37.62	+ 4 51.8	2.779	3.555	11.2	22.3

243067 2007 GE_{34} 10 9.4 105°.66 4°.1/15.6 18

9 8	1 19.58	+26 7.2	2.581	3.367	12.3	20.3
9 18	1 14.42	+25 15.2	2.510	3.382	9.8	20.2
9 28	1 7.97	+24 2.9	2.463	3.397	7.2	20.0
10 8	1 0.87	+22 32.8	2.443	3.412	4.8	19.9
10 18	0 53.81	+20 49.6	2.453	3.426	4.2	19.9
10 28	0 47.53	+18 59.8	2.493	3.440	5.8	20.0
11 7	0 42.58	+17 11.0	2.562	3.454	8.3	20.2
11 17	0 39.34	+15 29.6	2.659	3.468	10.7	20.4

225214 2008 RM_{58} 10 9.4 330°.64 0°.8/10.9 18

9 8	1 13.55	+12 16.5	3.922	4.771	7.2	20.3
9 18	1 9.89	+11 52.2	3.841	4.766	5.2	20.1
9 28	1 5.45	+11 20.8	3.786	4.761	3.1	20.0
10 8	1 0.57	+10 44.4	3.760	4.756	1.1	19.8
10 18	0 55.63	+10 5.1	3.765	4.752	1.9	19.9
10 28	0 51.05	+ 9 25.9	3.800	4.747	4.0	20.0
11 7	0 47.18	+ 8 49.4	3.863	4.742	6.1	20.2
11 17	0 44.32	+ 8 18.1	3.952	4.738	7.9	20.3

480344 2015 KV_8 10 9.4 81°.73 0°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.83	+10 21.7	1.665	2.538	14.1	21.2
9 18	1 17.83	+ 9 48.8	1.617	2.556	10.1	21.0
9 28	1 9.96	+ 9 2.6	1.591	2.574	5.6	20.8
10 8	1 1.12	+ 8 8.0	1.593	2.591	1.1	20.5
10 18	0 52.36	+ 7 11.4	1.622	2.609	3.8	20.8
10 28	0 44.75	+ 6 19.6	1.678	2.626	8.2	21.1
11 7	0 39.07	+ 5 38.5	1.760	2.643	12.0	21.4
11 17	0 35.76	+ 5 11.8	1.863	2.660	15.1	21.6

337342 2001 FV_{179} 10 9.4 255°.26 2°.4/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.27	+ 0 21.8	2.044	2.924	11.5	21.3
9 18	1 19.59	+ 0 0.6	1.960	2.906	8.2	21.0
9 28	1 11.02	− 0 23.9	1.903	2.887	4.6	20.8
10 8	1 1.27	− 0 47.3	1.873	2.868	2.4	20.6
10 18	0 51.27	− 1 5.0	1.873	2.848	5.1	20.8
10 28	0 42.01	− 1 12.8	1.901	2.828	8.9	21.0
11 7	0 34.37	− 1 7.8	1.955	2.807	12.4	21.1
11 17	0 28.93	− 0 48.7	2.031	2.786	15.4	21.3

287905 2003 SV_{430} 10 9.4 358°.30 1°.6/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.04	+12 58.3	2.137	2.996	12.0	21.4
9 18	1 15.02	+12 44.1	2.066	2.995	8.8	21.2
9 28	1 8.43	+12 17.3	2.019	2.994	5.3	20.9
10 8	1 0.95	+11 40.6	1.999	2.994	2.0	20.7
10 18	0 53.35	+10 57.9	2.007	2.994	3.2	20.8
10 28	0 46.51	+10 14.5	2.044	2.994	6.7	21.0
11 7	0 41.12	+ 9 35.7	2.107	2.994	10.1	21.2
11 17	0 37.67	+ 9 5.6	2.193	2.995	13.0	21.4

348067 2003 UX_{314} 10 9.4 283°.51 5°.5/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.98	− 7 28.6	1.816	2.706	12.2	20.6
9 18	1 19.58	− 8 8.4	1.738	2.683	9.1	20.4
9 28	1 11.09	− 8 45.3	1.685	2.660	6.3	20.1
10 8	1 1.29	− 9 12.6	1.659	2.636	5.7	20.1
10 18	0 51.20	− 9 24.2	1.660	2.612	8.0	20.2
10 28	0 41.96	− 9 16.2	1.687	2.588	11.5	20.3
11 7	0 34.53	− 8 47.1	1.738	2.564	14.9	20.5
11 17	0 29.54	− 7 58.3	1.808	2.540	17.8	20.6

4836 Medon 10 9.4 263°.02 4°.2/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.57	−16 47.4	4.489	5.361	5.9	16.9
9 18	1 10.51	−17 25.3	4.436	5.353	4.8	16.8
9 28	1 5.75	−17 58.0	4.409	5.345	4.2	16.7
10 8	1 0.62	−18 22.7	4.411	5.338	4.4	16.7
10 18	0 55.46	−18 37.4	4.441	5.330	5.3	16.8
10 28	0 50.64	−18 40.7	4.498	5.322	6.5	16.9
11 7	0 46.49	−18 32.2	4.578	5.314	7.7	17.0
11 17	0 43.26	−18 12.2	4.680	5.306	8.8	17.1

448547 2010 RF_{61} 10 9.4 40°.42 0°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.92	+ 9 0.2	1.809	2.681	13.1	20.8
9 18	1 17.90	+ 9 1.5	1.750	2.689	9.5	20.6
9 28	1 10.04	+ 8 52.6	1.715	2.697	5.4	20.4
10 8	1 1.15	+ 8 36.3	1.707	2.705	1.2	20.1
10 18	0 52.23	+ 8 16.6	1.727	2.714	3.6	20.3
10 28	0 44.29	+ 7 58.4	1.774	2.723	7.7	20.6
11 7	0 38.15	+ 7 46.2	1.847	2.732	11.4	20.8
11 17	0 34.30	+ 7 43.3	1.943	2.741	14.5	21.0

483836 2005 XV_{50} 10 9.4 210°.90 7°.4/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.40	−18 48.4	2.488	3.359	10.0	21.6
9 18	1 16.45	−19 47.8	2.442	3.356	8.4	21.4
9 28	1 9.12	−20 36.5	2.421	3.352	7.5	21.4
10 8	1 1.05	−21 8.9	2.427	3.348	7.8	21.4
10 18	0 52.98	−21 21.3	2.459	3.343	9.2	21.5
10 28	0 45.67	−21 11.7	2.516	3.338	11.0	21.6
11 7	0 39.74	−20 40.8	2.595	3.334	12.9	21.7
11 17	0 35.60	−19 51.0	2.694	3.328	14.5	21.9

288430 2004 EQ_{21} 10 9.4 263°.46 0°.1/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.47	+ 8 30.2	1.580	2.459	14.3	21.9
9 18	1 18.74	+ 8 1.6	1.502	2.446	10.4	21.6
9 28	1 10.72	+ 7 19.5	1.447	2.432	5.7	21.3
10 8	1 1.28	+ 6 28.5	1.418	2.417	0.7	20.9
10 18	0 51.52	+ 5 34.9	1.417	2.403	4.4	21.2
10 28	0 42.72	+ 4 46.4	1.442	2.388	9.4	21.4
11 7	0 35.93	+ 4 9.6	1.491	2.373	13.8	21.6
11 17	0 31.81	+ 3 49.0	1.561	2.358	17.6	21.9

308935 2006 SK_{383} 10 9.4 271°.92 2°.9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.55	+ 0 40.9	1.969	2.861	11.4	20.8
9 18	1 15.50	− 0 17.5	1.898	2.849	8.0	20.5
9 28	1 8.76	− 1 21.1	1.852	2.837	4.6	20.3
10 8	1 1.03	− 2 23.8	1.833	2.825	3.0	20.2
10 18	0 53.14	− 3 19.1	1.843	2.813	5.6	20.3
10 28	0 46.01	− 4 1.1	1.879	2.801	9.3	20.5
11 7	0 40.42	− 4 26.3	1.941	2.789	12.6	20.7
11 17	0 36.88	− 4 32.8	2.023	2.777	15.5	20.9

124129 2001 KF_{21} 10 9.4 166°.13 2°.3/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.25	− 0 11.8	2.718	3.601	8.9	20.8
9 18	1 14.12	− 0 59.7	2.657	3.604	6.2	20.6
9 28	1 7.83	− 1 49.8	2.624	3.607	3.6	20.4
10 8	1 0.91	− 2 38.1	2.619	3.610	2.4	20.3
10 18	0 53.96	− 3 20.4	2.644	3.612	4.4	20.5
10 28	0 47.61	− 3 52.9	2.698	3.614	7.1	20.7
11 7	0 42.40	− 4 13.3	2.778	3.616	9.6	20.8
11 17	0 38.70	− 4 20.4	2.881	3.617	11.7	21.0

16798 1997 EL_{50} 10 9.4 156°.80 2°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 27.16	+13 15.1	1.636	2.496	14.9	19.1
9 18	1 20.48	+13 17.1	1.570	2.499	11.1	18.9
9 28	1 11.58	+13 3.5	1.528	2.502	6.8	18.6
10 8	1 1.39	+12 36.4	1.511	2.505	2.8	18.4
10 18	0 51.06	+12 0.4	1.521	2.508	4.1	18.5
10 28	0 41.84	+11 21.9	1.560	2.510	8.4	18.7
11 7	0 34.72	+10 47.6	1.623	2.512	12.4	19.0
11 17	0 30.26	+10 23.0	1.708	2.514	15.9	19.2

115635 2003 UF_{126} 10 9.4 259°.11 5°.5/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.92	− 5 13.4	1.832	2.731	11.6	19.8
9 18	1 15.11	− 6 52.6	1.774	2.725	8.5	19.6
9 28	1 8.55	− 8 32.4	1.742	2.718	5.9	19.4
10 8	1 1.01	−10 3.8	1.737	2.712	5.8	19.4
10 18	0 53.37	−11 18.6	1.760	2.705	8.3	19.6
10 28	0 46.58	−12 10.8	1.808	2.699	11.5	19.7
11 7	0 41.43	−12 37.8	1.879	2.692	14.5	19.9
11 17	0 38.41	−12 39.8	1.969	2.685	17.0	20.1

53416 1999 NB_{23} 10 9.4 155°.23 2°.0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.33	+15 53.8	2.662	3.497	10.6	19.7
9 18	1 15.65	+15 31.8	2.591	3.505	8.0	19.6
9 28	1 8.69	+14 57.3	2.545	3.512	5.0	19.4
10 8	1 1.02	+14 12.6	2.528	3.519	2.4	19.2
10 18	0 53.31	+13 21.2	2.540	3.525	2.9	19.3
10 28	0 46.27	+12 27.7	2.583	3.531	5.6	19.5
11 7	0 40.46	+11 36.9	2.653	3.536	8.4	19.6
11 17	0 36.31	+10 52.8	2.749	3.541	10.9	19.8

2778 Tangshan 10 9.4 356°.54 4°.5/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.49	− 0 27.1	1.099	2.013	16.4	15.7
9 18	1 17.72	− 1 20.0	1.049	2.010	11.6	15.4
9 28	1 10.26	− 2 17.8	1.020	2.008	6.8	15.2
10 8	1 1.24	− 3 11.0	1.013	2.006	4.6	15.0
10 18	0 52.12	− 3 49.8	1.031	2.006	8.2	15.2
10 28	0 44.44	− 4 6.8	1.071	2.006	13.1	15.5
11 7	0 39.34	− 3 58.9	1.131	2.007	17.7	15.8
11 17	0 37.40	− 3 26.6	1.208	2.009	21.4	16.1

392458 2010 VU_{201} 10 9.4 259°.66 2°.2/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.36	− 4 44.8	4.417	5.302	5.7	21.4
9 18	1 9.68	− 5 21.6	4.353	5.298	4.1	21.3
9 28	1 5.33	− 5 57.9	4.317	5.294	2.7	21.2
10 8	1 0.62	− 6 31.2	4.310	5.290	2.3	21.2
10 18	0 55.87	− 6 59.2	4.333	5.286	3.5	21.2
10 28	0 51.44	− 7 20.0	4.386	5.282	5.1	21.4
11 7	0 47.64	− 7 32.2	4.465	5.278	6.7	21.5
11 17	0 44.71	− 7 35.2	4.567	5.274	8.1	21.6

64590 2001 XR_7 10 9.4 195°.19 7°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.94	+28 59.3	2.235	3.003	14.4	19.5
9 18	1 18.73	+29 35.7	2.154	3.002	12.2	19.4
9 28	1 10.61	+29 50.7	2.094	3.001	9.7	19.2
10 8	1 1.29	+29 43.0	2.059	3.000	7.8	19.1
10 18	0 51.73	+29 13.1	2.051	2.999	7.1	19.1
10 28	0 42.96	+28 25.4	2.070	2.998	8.2	19.1
11 7	0 35.86	+27 26.7	2.115	2.996	10.3	19.3
11 17	0 31.04	+26 24.5	2.183	2.995	12.7	19.4

192936 2000 AV_{153} 10 9.4 326°.02 9°.8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.78	+32 10.4	1.654	2.430	18.5	19.1
9 18	1 17.84	+32 53.5	1.574	2.421	15.9	18.9
9 28	1 10.38	+33 6.9	1.512	2.412	13.2	18.7
10 8	1 1.29	+32 47.1	1.471	2.404	10.9	18.5
10 18	0 51.79	+31 54.5	1.452	2.397	9.8	18.4
10 28	0 43.32	+30 34.9	1.459	2.389	10.7	18.5
11 7	0 37.06	+28 58.7	1.489	2.383	13.1	18.6
11 17	0 33.74	+27 17.9	1.541	2.376	15.9	18.8

383285 2006 DA_{196} 10 9.4 166°.49 1°.5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.14	+ 3 53.1	2.041	2.920	11.6	21.4
9 18	1 17.91	+ 3 16.9	1.979	2.924	8.2	21.2
9 28	1 10.02	+ 2 34.5	1.942	2.927	4.4	21.0
10 8	1 1.22	+ 1 50.5	1.933	2.930	1.5	20.8
10 18	0 52.37	+ 1 10.0	1.953	2.933	4.4	21.0
10 28	0 44.39	+ 0 38.0	2.002	2.935	8.1	21.2
11 7	0 38.02	+ 0 18.3	2.076	2.936	11.5	21.4
11 17	0 33.73	+ 0 12.6	2.173	2.937	14.3	21.6

166453 2002 PV_{75} 10 9.4 132°.53 6°.7/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 26.54	+25 38.9	1.946	2.742	15.4	20.2
9 18	1 19.99	+26 16.5	1.873	2.746	12.6	20.0
9 28	1 11.34	+26 32.3	1.822	2.750	9.7	19.8
10 8	1 1.39	+26 25.0	1.796	2.753	7.3	19.7
10 18	0 51.23	+25 55.9	1.796	2.757	6.7	19.7
10 28	0 42.02	+25 10.2	1.823	2.761	8.4	19.8
11 7	0 34.72	+24 15.5	1.876	2.764	11.1	20.0
11 17	0 29.94	+23 19.8	1.952	2.767	13.8	20.2

270412 2002 CX_{14} 10 9.4 87°.09 5°.7/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.36	− 5 23.3	1.652	2.551	12.7	19.8
9 18	1 16.75	− 7 0.9	1.618	2.569	9.2	19.6
9 28	1 9.37	− 8 36.0	1.610	2.587	6.3	19.5
10 8	1 1.13	− 9 59.3	1.629	2.604	6.0	19.5
10 18	0 53.02	−11 3.2	1.674	2.621	8.5	19.7
10 28	0 46.03	−11 42.7	1.745	2.638	11.6	19.9
11 7	0 40.92	−11 56.7	1.838	2.655	14.6	20.2
11 17	0 38.07	−11 46.8	1.949	2.671	17.0	20.4

313357 2002 GU_{146} 10 9.4 271°.67 1°.8/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.71	− 0 59.9	4.383	5.266	5.8	20.3
9 18	1 9.25	− 2 3.0	4.313	5.260	4.0	20.1
9 28	1 5.12	− 3 7.6	4.272	5.254	2.4	20.0
10 8	1 0.61	− 4 10.9	4.262	5.248	1.9	20.0
10 18	0 56.06	− 5 9.9	4.282	5.242	3.2	20.1
10 28	0 51.82	− 6 1.7	4.333	5.236	5.0	20.2
11 7	0 48.19	− 6 44.6	4.411	5.230	6.7	20.3
11 17	0 45.44	− 7 17.1	4.513	5.224	8.1	20.4

27387 Chhabra 10 9.4 46°.79 2°.5/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.74	+ 3 31.6	1.419	2.317	14.5	18.0
9 18	1 17.42	+ 2 33.0	1.366	2.320	10.2	17.8
9 28	1 9.92	+ 1 25.6	1.336	2.324	5.5	17.5
10 8	1 1.22	+ 0 17.1	1.332	2.328	2.5	17.3
10 18	0 52.48	− 0 43.9	1.353	2.332	6.0	17.6
10 28	0 44.94	− 1 29.7	1.401	2.336	10.6	17.8
11 7	0 39.52	− 1 55.7	1.471	2.341	14.7	18.1
11 17	0 36.74	− 2 0.2	1.560	2.345	18.1	18.4

452004 2014 OA_{54} 10 9.4 216°.52 1°.5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.62	+ 3 36.7	2.177	3.059	10.8	21.4
9 18	1 15.37	+ 2 58.8	2.112	3.059	7.6	21.2
9 28	1 8.63	+ 2 15.1	2.072	3.058	4.1	21.0
10 8	1 1.06	+ 1 30.1	2.060	3.057	1.5	20.8
10 18	0 53.41	+ 0 48.6	2.077	3.056	4.2	21.0
10 28	0 46.50	+ 0 15.4	2.122	3.055	7.7	21.2
11 7	0 41.02	− 0 6.0	2.193	3.054	10.9	21.4
11 17	0 37.39	− 0 13.5	2.286	3.053	13.6	21.6

172380 2003 AH_{10} 10 9.4 271°.70 4°.9/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.66	− 5 25.6	2.022	2.917	10.9	20.2
9 18	1 15.60	− 6 41.7	1.951	2.900	8.0	20.0
9 28	1 8.85	− 7 58.5	1.905	2.882	5.5	19.8
10 8	1 1.09	− 9 8.6	1.887	2.864	5.2	19.8
10 18	0 53.15	−10 5.1	1.897	2.845	7.5	19.9
10 28	0 45.92	−10 42.8	1.933	2.827	10.6	20.1
11 7	0 40.20	−10 58.7	1.992	2.808	13.6	20.2
11 17	0 36.51	−10 53.0	2.071	2.789	16.2	20.4

205031 1998 MD_{17} 10 9.4 244°.68 5°.7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.49	+23 48.9	2.005	2.812	14.6	20.5
9 18	1 18.55	+24 6.4	1.918	2.802	11.8	20.3
9 28	1 10.58	+24 3.2	1.853	2.792	8.9	20.1
10 8	1 1.32	+23 38.6	1.813	2.781	6.3	19.9
10 18	0 51.74	+22 54.6	1.801	2.771	5.8	19.9
10 28	0 42.97	+21 56.7	1.815	2.760	7.9	20.0
11 7	0 35.94	+20 52.4	1.856	2.748	11.0	20.1
11 17	0 31.30	+19 49.6	1.921	2.737	14.0	20.3

118003 1190 T-$_2$ 10 9.4 59°.32 1°.6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.30	+12 23.0	1.267	2.146	17.1	19.4
9 18	1 19.31	+12 0.5	1.225	2.165	12.5	19.2
9 28	1 10.94	+11 19.2	1.203	2.184	7.3	18.9
10 8	1 1.34	+10 24.6	1.206	2.203	2.2	18.7
10 18	0 51.88	+ 9 24.3	1.235	2.223	4.4	18.9
10 28	0 43.92	+ 8 27.6	1.289	2.243	9.4	19.2
11 7	0 38.41	+ 7 42.2	1.366	2.262	13.8	19.5
11 17	0 35.82	+ 7 12.9	1.464	2.282	17.5	19.8

124024 2001 FO_{112} 10 9.4 310°.62 1°.5/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.92	+11 12.9	2.017	2.880	12.4	19.5
9 18	1 17.27	+11 19.4	1.937	2.869	9.1	19.2
9 28	1 9.80	+11 15.0	1.880	2.858	5.5	19.0
10 8	1 1.22	+11 1.5	1.851	2.847	1.9	18.7
10 18	0 52.41	+10 42.1	1.849	2.836	3.4	18.8
10 28	0 44.33	+10 21.2	1.876	2.826	7.3	19.1
11 7	0 37.84	+10 3.7	1.929	2.816	10.9	19.3
11 17	0 33.50	+ 9 53.6	2.005	2.806	14.0	19.5

137527 1999 VA_{52} 10 9.4 271°.72 0°.8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 24.27	+10 43.1	1.561	2.435	14.7	20.1
9 18	1 18.72	+10 16.9	1.478	2.417	10.8	19.8
9 28	1 10.81	+ 9 34.5	1.417	2.398	6.2	19.5
10 8	1 1.36	+ 8 39.8	1.381	2.379	1.4	19.2
10 18	0 51.52	+ 7 39.0	1.373	2.360	4.3	19.3
10 28	0 42.59	+ 6 40.4	1.391	2.341	9.3	19.6
11 7	0 35.69	+ 5 51.8	1.434	2.321	13.9	19.8
11 17	0 31.53	+ 5 18.8	1.497	2.301	17.8	20.0

342581 2008 UG_{269} 10 9.4 250°.90 8°.3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 30.15	−16 43.1	1.877	2.751	12.7	21.1
9 18	1 22.37	−17 22.1	1.817	2.740	10.2	20.9
9 28	1 12.54	−17 48.9	1.782	2.729	8.5	20.8
10 8	1 1.56	−17 56.2	1.773	2.717	8.6	20.8
10 18	0 50.51	−17 39.5	1.791	2.705	10.3	20.9
10 28	0 40.55	−16 57.3	1.834	2.693	12.9	21.0
11 7	0 32.58	−15 51.4	1.900	2.680	15.6	21.2
11 17	0 27.13	−14 25.8	1.986	2.667	17.9	21.4

138440 2000 HP_{99} 10 9.4 132°.81 0°.5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.52	+ 5 27.0	2.244	3.112	11.1	20.5
9 18	1 18.73	+ 5 15.7	2.184	3.124	7.8	20.3
9 28	1 10.42	+ 4 58.1	2.151	3.135	4.2	20.1
10 8	1 1.29	+ 4 37.7	2.146	3.145	0.6	19.9
10 18	0 52.16	+ 4 17.9	2.172	3.155	3.5	20.1
10 28	0 43.89	+ 4 2.7	2.227	3.165	7.1	20.4
11 7	0 37.14	+ 3 55.1	2.308	3.174	10.2	20.6
11 17	0 32.35	+ 3 57.3	2.414	3.183	12.9	20.8

480049 2015 CH_9 10 9.4 161°.29 1°.3/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.28	+ 6 8.8	1.795	2.675	12.9	22.1
9 18	1 18.17	+ 5 7.6	1.735	2.681	9.1	21.8
9 28	1 10.22	+ 3 56.1	1.700	2.686	4.8	21.6
10 8	1 1.27	+ 2 40.9	1.693	2.691	1.3	21.4
10 18	0 52.29	+ 1 29.0	1.714	2.695	4.7	21.6
10 28	0 44.31	+ 0 27.7	1.764	2.698	8.8	21.9
11 7	0 38.13	− 0 17.7	1.838	2.701	12.5	22.1
11 17	0 34.24	− 0 44.8	1.934	2.703	15.6	22.3

102526 1999 UG_1 10 9.4 20°.64 3°.6/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.90	+ 0 7.1	0.991	1.906	17.6	18.0
9 18	1 19.48	− 0 10.8	0.952	1.913	12.5	17.7
9 28	1 11.20	− 0 32.7	0.933	1.921	6.9	17.5
10 8	1 1.39	− 0 50.6	0.936	1.931	3.6	17.3
10 18	0 51.68	− 0 57.4	0.962	1.942	7.4	17.6
10 28	0 43.71	− 0 47.6	1.010	1.954	12.6	17.9
11 7	0 38.58	− 0 18.9	1.079	1.968	17.3	18.2
11 17	0 36.79	+ 0 27.8	1.165	1.982	21.1	18.6

355505 2007 YL_{45} 10 9.4 102°.67 5°.7/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.94	− 8 16.9	2.026	2.921	10.9	20.6
9 18	1 15.59	− 9 36.1	1.986	2.930	8.1	20.5
9 28	1 8.72	−10 51.2	1.971	2.940	6.0	20.4
10 8	1 1.09	−11 55.1	1.983	2.950	6.0	20.4
10 18	0 53.49	−12 41.9	2.022	2.959	7.9	20.5
10 28	0 46.78	−13 7.8	2.088	2.969	10.6	20.7
11 7	0 41.62	−13 12.0	2.176	2.978	13.2	20.9
11 17	0 38.40	−12 55.7	2.285	2.987	15.3	21.1

193719 2001 FY_{106} 10 9.4 318°.88 0°.7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.68	+ 5 49.1	1.370	2.264	15.1	19.2
9 18	1 17.88	+ 5 37.2	1.286	2.238	10.9	18.9
9 28	1 10.49	+ 5 14.4	1.225	2.212	6.0	18.5
10 8	1 1.36	+ 4 45.3	1.187	2.186	0.9	18.1
10 18	0 51.68	+ 4 15.9	1.175	2.161	5.2	18.4
10 28	0 42.93	+ 3 53.5	1.188	2.137	10.6	18.6
11 7	0 36.36	+ 3 44.2	1.224	2.114	15.6	18.8
11 17	0 32.78	+ 3 51.8	1.278	2.092	19.8	19.0

358358 2006 WV_{143} 10 9.4 242°.06 1°.7/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.12	+ 3 34.6	2.028	2.912	11.4	21.3
9 18	1 15.83	+ 2 52.7	1.962	2.910	8.0	21.0
9 28	1 8.94	+ 2 4.5	1.922	2.908	4.3	20.8
10 8	1 1.13	+ 1 14.8	1.909	2.906	1.7	20.6
10 18	0 53.23	+ 0 29.1	1.925	2.903	4.5	20.8
10 28	0 46.13	− 0 7.4	1.968	2.901	8.2	21.1
11 7	0 40.55	− 0 30.7	2.037	2.899	11.6	21.3
11 17	0 36.96	− 0 38.9	2.127	2.896	14.4	21.5

291924 2006 QJ_{25} 10 9.4 12°.47 4°.5/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.51	+ 1 32.0	1.264	2.179	14.6	19.0
9 18	1 12.42	− 0 24.3	1.221	2.183	10.1	18.8
9 28	1 7.23	− 2 28.6	1.201	2.189	5.9	18.6
10 8	1 0.91	− 4 28.4	1.206	2.196	4.7	18.5
10 18	0 54.60	− 6 11.3	1.236	2.204	8.2	18.7
10 28	0 49.44	− 7 27.8	1.290	2.214	12.4	19.0
11 7	0 46.30	− 8 13.3	1.365	2.225	16.3	19.3
11 17	0 45.64	− 8 28.1	1.459	2.236	19.5	19.5

301765 2010 JQ_{45} 10 9.4 41°.09 2°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.21	+16 22.1	1.586	2.449	15.2	20.3
9 18	1 14.78	+15 22.9	1.529	2.458	11.3	20.1
9 28	1 8.44	+14 2.1	1.493	2.468	6.9	19.8
10 8	1 1.06	+12 25.3	1.484	2.479	2.7	19.6
10 18	0 53.69	+10 40.9	1.501	2.489	3.8	19.7
10 28	0 47.38	+ 8 59.3	1.546	2.500	8.1	20.0
11 7	0 42.96	+ 7 29.5	1.616	2.512	12.1	20.3
11 17	0 40.88	+ 6 17.7	1.708	2.523	15.5	20.5

67903 2000 WV_{94} 10 9.4 142°.27 3°.8/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.75	+20 46.8	2.266	3.087	12.7	18.9
9 18	1 15.54	+20 35.0	2.191	3.089	9.9	18.7
9 28	1 8.77	+20 5.5	2.139	3.092	6.9	18.5
10 8	1 1.11	+19 20.0	2.114	3.094	4.3	18.4
10 18	0 53.35	+18 22.0	2.117	3.097	4.1	18.4
10 28	0 46.35	+17 17.0	2.149	3.099	6.5	18.5
11 7	0 40.80	+16 11.6	2.208	3.101	9.4	18.7
11 17	0 37.17	+15 11.7	2.291	3.103	12.1	18.9

311567 2006 DA_{176} 10 9.4 280°.85 1°.4/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.51	+ 5 41.2	1.284	2.178	16.0	20.8
9 18	1 19.95	+ 5 6.3	1.209	2.161	11.5	20.5
9 28	1 11.62	+ 4 18.4	1.156	2.144	6.2	20.2
10 8	1 1.51	+ 3 23.6	1.128	2.126	1.4	19.8
10 18	0 50.95	+ 2 30.2	1.125	2.109	5.8	20.0
10 28	0 41.52	+ 1 47.4	1.147	2.091	11.4	20.3
11 7	0 34.51	+ 1 22.1	1.191	2.074	16.4	20.5
11 17	0 30.69	+ 1 18.0	1.253	2.057	20.7	20.8

47070 1998 XF_{77} 10 9.4 330°.81 7°.0/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.91	− 6 48.9	1.489	2.400	13.1	18.1
9 18	1 14.05	− 8 39.2	1.433	2.387	9.8	17.9
9 28	1 8.15	−10 29.0	1.401	2.375	7.3	17.7
10 8	1 1.05	−12 7.2	1.394	2.364	7.5	17.7
10 18	0 53.79	−13 23.5	1.412	2.354	10.2	17.9
10 28	0 47.51	−14 10.7	1.453	2.344	13.7	18.1
11 7	0 43.11	−14 26.4	1.515	2.334	17.1	18.2
11 17	0 41.16	−14 12.3	1.594	2.326	19.9	18.4

27888 1996 GG_{5} 10 9.4 1°.03 4°.0/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.22	− 0 7.4	0.968	1.890	17.2	17.2
9 18	1 16.34	− 0 36.3	0.921	1.886	12.3	16.9
9 28	1 9.61	− 1 9.8	0.894	1.884	7.0	16.6
10 8	1 1.24	− 1 39.0	0.889	1.884	4.1	16.5
10 18	0 52.76	− 1 55.4	0.906	1.885	7.9	16.7
10 28	0 45.82	− 1 52.2	0.944	1.889	13.2	17.0
11 7	0 41.59	− 1 26.7	1.001	1.894	18.0	17.3
11 17	0 40.65	− 0 39.8	1.076	1.901	21.9	17.6

150760 2001 QO_{161} 10 9.4 27°.04 1°.2/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.57	+ 9 27.1	1.096	1.992	18.0	19.1
9 18	1 19.14	+ 9 32.4	1.053	2.003	13.0	18.9
9 28	1 11.00	+ 9 21.9	1.031	2.015	7.4	18.6
10 8	1 1.40	+ 8 59.7	1.030	2.029	1.7	18.3
10 18	0 51.85	+ 8 32.4	1.054	2.043	4.8	18.6
10 28	0 43.90	+ 8 8.0	1.102	2.058	10.3	18.9
11 7	0 38.64	+ 7 53.1	1.172	2.075	15.1	19.3
11 17	0 36.57	+ 7 52.0	1.260	2.092	19.0	19.6

396287 2014 DL_{14} 10 9.4 183°.29 3°.8/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.50	− 4 25.1	2.268	3.151	10.4	21.9
9 18	1 18.05	− 5 10.1	2.207	3.152	7.5	21.8
9 28	1 10.09	− 5 54.6	2.174	3.152	4.8	21.6
10 8	1 1.29	− 6 33.1	2.168	3.151	3.9	21.5
10 18	0 52.47	− 7 1.2	2.192	3.150	6.0	21.7
10 28	0 44.43	− 7 15.2	2.245	3.148	8.9	21.8
11 7	0 37.87	− 7 13.5	2.322	3.146	11.7	22.0
11 17	0 33.22	− 6 56.0	2.421	3.143	14.1	22.2

180464 2004 CZ_{21} 10 9.4 352°.53 4°.0/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.89	+ 2 20.4	1.133	2.047	16.0	19.4
9 18	1 15.13	+ 0 50.9	1.080	2.042	11.2	19.1
9 28	1 8.87	− 0 49.7	1.050	2.039	6.3	18.8
10 8	1 1.15	− 2 29.6	1.042	2.036	4.2	18.7
10 18	0 53.31	− 3 56.3	1.059	2.034	8.0	18.9
10 28	0 46.77	− 4 59.0	1.099	2.033	13.0	19.2
11 7	0 42.59	− 5 32.3	1.159	2.032	17.5	19.5
11 17	0 41.36	− 5 35.5	1.236	2.033	21.3	19.7

13404 Norris 10 9.4 289°.01 0°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.17	+ 8 35.2	1.389	2.274	15.6	18.0
9 18	1 19.50	+ 8 20.1	1.316	2.262	11.3	17.7
9 28	1 11.30	+ 7 51.2	1.266	2.250	6.4	17.4
10 8	1 1.48	+ 7 12.5	1.239	2.238	1.0	17.0
10 18	0 51.32	+ 6 30.4	1.239	2.227	4.7	17.2
10 28	0 42.26	+ 5 52.5	1.265	2.215	10.0	17.5
11 7	0 35.47	+ 5 25.9	1.314	2.203	14.8	17.7
11 17	0 31.66	+ 5 15.1	1.383	2.192	18.8	18.0

67165 2000 AW_{230} 10 9.4 125°.32 2°.2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.82	+16 42.2	2.436	3.275	11.4	20.2
9 18	1 14.72	+16 12.5	2.368	3.283	8.6	20.0
9 28	1 8.26	+15 28.6	2.323	3.290	5.5	19.9
10 8	1 1.07	+14 33.2	2.307	3.298	2.7	19.7
10 18	0 53.84	+13 30.4	2.320	3.305	3.0	19.7
10 28	0 47.32	+12 25.6	2.362	3.312	5.9	19.9
11 7	0 42.11	+11 24.5	2.432	3.319	8.9	20.1
11 17	0 38.62	+10 31.5	2.526	3.326	11.5	20.3

119404 2001 TK_{63} 10 9.4 277°.83 4°.2/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.65	− 2 8.5	1.581	2.477	13.3	18.9
9 18	1 18.79	− 2 54.8	1.514	2.466	9.6	18.7
9 28	1 10.75	− 3 43.6	1.470	2.454	5.8	18.4
10 8	1 1.40	− 4 27.6	1.453	2.443	4.3	18.3
10 18	0 51.85	− 4 59.9	1.463	2.431	7.1	18.5
10 28	0 43.31	− 5 14.8	1.498	2.419	11.2	18.7
11 7	0 36.76	− 5 9.5	1.556	2.408	15.1	18.9
11 17	0 32.82	− 4 43.9	1.634	2.396	18.3	19.1

35596 1998 HZ_{117} 10 9.4 250°.13 3°.1/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.85	+ 0 50.8	1.906	2.796	11.7	18.4
9 18	1 16.54	− 0 20.1	1.832	2.782	8.3	18.2
9 28	1 9.43	− 1 37.3	1.782	2.767	4.8	18.0
10 8	1 1.24	− 2 54.0	1.761	2.752	3.2	17.8
10 18	0 52.84	− 4 2.9	1.768	2.737	6.0	18.0
10 28	0 45.23	− 4 57.2	1.802	2.721	9.8	18.2
11 7	0 39.22	− 5 32.5	1.861	2.705	13.3	18.4
11 17	0 35.37	− 5 47.1	1.940	2.689	16.3	18.6

319150 2005 YF_{53} 10 9.4 100°.48 6°.5/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.21	+30 40.2	2.509	3.261	13.5	20.6
9 18	1 17.24	+30 58.8	2.440	3.276	11.3	20.5
9 28	1 9.70	+30 56.5	2.394	3.291	9.1	20.4
10 8	1 1.27	+30 32.8	2.371	3.305	7.3	20.3
10 18	0 52.77	+29 49.5	2.376	3.320	6.5	20.3
10 28	0 45.08	+28 51.0	2.408	3.334	7.3	20.4
11 7	0 38.90	+27 43.7	2.467	3.348	9.1	20.5
11 17	0 34.70	+26 34.4	2.551	3.362	11.1	20.7

305392 2008 CS_{57} 10 9.4 319°.18 1°.4/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.15	+12 18.2	1.657	2.530	14.1	20.5
9 18	1 15.61	+11 52.7	1.579	2.517	10.4	20.3
9 28	1 9.04	+11 10.9	1.524	2.504	6.2	20.0
10 8	1 1.20	+10 16.2	1.494	2.491	1.9	19.7
10 18	0 53.11	+ 9 14.7	1.491	2.479	3.8	19.8
10 28	0 45.88	+ 8 13.9	1.514	2.467	8.4	20.0
11 7	0 40.47	+ 7 21.4	1.562	2.456	12.6	20.3
11 17	0 37.48	+ 6 42.8	1.632	2.445	16.2	20.5

173093 2007 TH_{35} 10 9.4 293°.46 1°.7/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.50	+14 46.4	1.770	2.632	13.9	19.9
9 18	1 15.07	+13 56.7	1.685	2.616	10.3	19.7
9 28	1 8.72	+12 47.1	1.624	2.600	6.3	19.4
10 8	1 1.16	+11 21.8	1.588	2.585	2.2	19.1
10 18	0 53.36	+ 9 47.5	1.581	2.569	3.7	19.2
10 28	0 46.37	+ 8 13.3	1.601	2.553	8.0	19.4
11 7	0 41.08	+ 6 48.2	1.646	2.537	12.2	19.6
11 17	0 38.08	+ 5 38.7	1.714	2.522	15.8	19.8

484035 2006 DA_{218} 10 9.4 124°.19 0°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.79	+10 51.7	2.484	3.344	10.5	22.2
9 18	1 14.66	+10 24.9	2.417	3.349	7.6	22.0
9 28	1 8.24	+ 9 48.3	2.375	3.355	4.3	21.8
10 8	1 1.09	+ 9 5.0	2.362	3.360	1.1	21.6
10 18	0 53.89	+ 8 18.8	2.378	3.365	2.8	21.7
10 28	0 47.36	+ 7 34.3	2.424	3.370	6.1	21.9
11 7	0 42.09	+ 6 55.9	2.496	3.375	9.1	22.1
11 17	0 38.48	+ 6 26.8	2.593	3.380	11.6	22.3

420287 2011 SZ_{1} 10 9.4 8°.40 1°.0/10.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.36	+10 20.1	1.310	2.200	16.0	21.1
9 18	1 15.97	+10 3.6	1.254	2.201	11.6	20.8
9 28	1 9.26	+ 9 31.0	1.220	2.204	6.6	20.5
10 8	1 1.23	+ 8 47.1	1.209	2.208	1.5	20.2
10 18	0 53.10	+ 7 58.9	1.224	2.212	4.4	20.4
10 28	0 46.17	+ 7 14.4	1.263	2.218	9.4	20.8
11 7	0 41.45	+ 6 40.9	1.326	2.225	13.9	21.0
11 17	0 39.49	+ 6 23.0	1.408	2.233	17.7	21.3

487241 2014 PU_{13} 10 9.4 38°.22 5°.3/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.10	− 5 8.2	1.807	2.710	11.6	20.0
9 18	1 13.72	− 6 44.0	1.771	2.723	8.4	19.8
9 28	1 7.77	− 8 18.0	1.761	2.738	5.8	19.7
10 8	1 1.03	− 9 41.7	1.777	2.752	5.6	19.7
10 18	0 54.35	−10 48.1	1.820	2.768	7.9	19.9
10 28	0 48.60	−11 32.1	1.889	2.783	10.9	20.1
11 7	0 44.45	−11 52.2	1.981	2.799	13.6	20.3
11 17	0 42.28	−11 49.4	2.091	2.815	16.0	20.5

245963 2006 SH_{65} 10 9.4 55°.63 0°.8/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.25	+ 7 46.5	1.696	2.580	13.2	20.4
9 18	1 15.37	+ 6 45.1	1.644	2.591	9.3	20.2
9 28	1 8.73	+ 5 32.2	1.616	2.602	5.0	19.9
10 8	1 1.15	+ 4 14.3	1.615	2.613	0.9	19.7
10 18	0 53.60	+ 2 58.8	1.641	2.625	4.4	20.0
10 28	0 47.04	+ 1 53.4	1.694	2.636	8.6	20.2
11 7	0 42.24	+ 1 3.6	1.773	2.648	12.3	20.5
11 17	0 39.66	+ 0 32.2	1.872	2.660	15.4	20.7

295037 2008 ER_{89} 10 9.4 181°.23 2°.1/11.3 17

9 8	1 26.26	+14 22.4	1.905	2.754	13.6	21.3
9 18	1 19.67	+14 7.2	1.833	2.756	10.1	21.1
9 28	1 11.13	+13 36.3	1.784	2.757	6.3	20.8
10 8	1 1.47	+12 52.4	1.762	2.757	2.6	20.6
10 18	0 51.67	+12 0.0	1.770	2.756	3.7	20.7
10 28	0 42.80	+11 5.7	1.805	2.755	7.6	20.9
11 7	0 35.73	+10 16.0	1.868	2.753	11.3	21.2
11 17	0 31.03	+ 9 36.3	1.953	2.750	14.5	21.4

214700 2006 SE_{336} 10 9.4 274°.61 2°.4/ 7.2 18

9 8	1 22.32	+ 1 19.5	1.914	2.803	11.8	20.5
9 18	1 16.78	+ 0 41.2	1.850	2.799	8.3	20.2
9 28	1 9.51	− 0 1.6	1.811	2.796	4.6	20.0
10 8	1 1.26	− 0 43.7	1.799	2.793	2.4	19.9
10 18	0 52.92	− 1 19.6	1.815	2.790	5.2	20.1
10 28	0 45.43	− 1 44.3	1.858	2.787	8.9	20.3
11 7	0 39.57	− 1 54.5	1.926	2.784	12.3	20.5
11 17	0 35.84	− 1 48.8	2.016	2.781	15.2	20.7

211400 2002 VX_{26} 10 9.4 52°.24 1°.1/ 8.6 18

9 8	1 24.10	+ 4 47.6	1.672	2.557	13.3	19.7
9 18	1 18.13	+ 4 28.3	1.620	2.567	9.4	19.5
9 28	1 10.25	+ 4 1.5	1.591	2.577	5.0	19.3
10 8	1 1.35	+ 3 32.0	1.589	2.588	1.1	19.0
10 18	0 52.47	+ 3 4.9	1.615	2.598	4.5	19.3
10 28	0 44.66	+ 2 45.5	1.667	2.609	8.7	19.6
11 7	0 38.76	+ 2 37.7	1.744	2.620	12.5	19.8
11 17	0 35.24	+ 2 43.2	1.843	2.631	15.6	20.1

460338 2014 RC_{7} 10 9.4 20°.30 3°.0/12.8 17

9 8	1 19.02	+18 17.0	2.060	2.901	13.0	21.4
9 18	1 14.42	+17 54.1	1.990	2.903	10.0	21.3
9 28	1 8.22	+17 13.6	1.943	2.907	6.6	21.1
10 8	1 1.11	+16 18.0	1.922	2.910	3.6	20.9
10 18	0 53.92	+15 11.8	1.929	2.914	3.7	20.9
10 28	0 47.53	+14 1.7	1.964	2.917	6.7	21.1
11 7	0 42.64	+12 54.4	2.026	2.922	10.0	21.3
11 17	0 39.74	+11 55.8	2.111	2.926	12.9	21.5

104234 2000 EL_{130} 10 9.4 233°.22 1°.4/ 8.2 18

9 8	1 24.26	+ 5 21.9	1.731	2.614	13.1	20.2
9 18	1 18.41	+ 4 37.4	1.658	2.605	9.3	20.0
9 28	1 10.52	+ 3 43.0	1.610	2.596	5.0	19.7
10 8	1 1.42	+ 2 44.2	1.588	2.586	1.4	19.5
10 18	0 52.12	+ 1 47.8	1.594	2.576	4.8	19.7
10 28	0 43.74	+ 1 0.7	1.628	2.566	9.2	19.9
11 7	0 37.19	+ 0 28.3	1.687	2.555	13.2	20.1
11 17	0 33.06	+ 0 13.3	1.766	2.543	16.6	20.3

514491 2016 WA_{12} 10 9.4 32°.12 8°.2/15.9 18

9 8	1 25.33	+25 55.6	1.407	2.227	19.0	20.6
9 18	1 19.67	+26 43.7	1.350	2.236	15.7	20.5
9 28	1 11.38	+27 3.2	1.311	2.246	12.1	20.3
10 8	1 1.54	+26 52.3	1.295	2.256	9.2	20.1
10 18	0 51.52	+26 13.0	1.302	2.267	8.3	20.1
10 28	0 42.84	+25 13.0	1.334	2.278	10.1	20.3
11 7	0 36.64	+24 3.3	1.389	2.290	13.2	20.5
11 17	0 33.54	+22 54.5	1.465	2.303	16.4	20.7

220892 2004 XR_{145} 10 9.4 302°.91 6°.0/ 3.0 18

9 8	1 20.58	− 9 52.2	2.044	2.938	10.9	19.7
9 18	1 15.55	−10 55.3	1.978	2.921	8.3	19.5
9 28	1 8.87	−11 54.3	1.937	2.904	6.4	19.3
10 8	1 1.21	−12 42.5	1.922	2.887	6.4	19.3
10 18	0 53.40	−13 13.9	1.935	2.870	8.4	19.4
10 28	0 46.33	−13 24.6	1.972	2.853	11.1	19.5
11 7	0 40.76	−13 13.3	2.033	2.837	13.9	19.7
11 17	0 37.19	−12 41.0	2.113	2.820	16.3	19.9

41883 2000 WF_{111} 10 9.4 102°.01 2°.6/11.4 18

9 8	1 27.33	+14 12.3	1.436	2.299	16.4	18.7
9 18	1 20.77	+14 6.2	1.381	2.311	12.2	18.5
9 28	1 11.84	+13 41.4	1.347	2.322	7.5	18.2
10 8	1 1.59	+13 0.9	1.338	2.333	3.1	18.0
10 18	0 51.32	+12 10.5	1.356	2.344	4.3	18.1
10 28	0 42.38	+11 18.4	1.401	2.354	8.9	18.4
11 7	0 35.77	+10 32.5	1.470	2.364	13.2	18.7
11 17	0 32.04	+ 9 58.8	1.560	2.374	16.8	18.9

499177 2009 SU_{166} 10 9.4 89°.05 0°.4/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 42.40	+ 2 30.4	1.063	1.947	19.3	20.0
9 18	1 32.18	+ 3 33.8	1.011	1.956	13.9	19.7
9 28	1 18.34	+ 4 34.0	0.981	1.966	7.7	19.4
10 8	1 2.42	+ 5 31.6	0.976	1.975	1.0	19.0
10 18	0 46.51	+ 6 27.1	0.998	1.984	5.8	19.3
10 28	0 32.74	+ 7 22.2	1.046	1.993	12.0	19.7
11 7	0 22.57	+ 8 19.3	1.117	2.001	17.2	20.1
11 17	0 16.60	+ 9 20.6	1.206	2.010	21.3	20.4

426049 2011 YG_{24} 10 9.4 338°.90 2°.9/ 4.2 18

9 8	1 14.28	− 6 58.6	3.925	4.811	6.3	20.6
9 18	1 10.44	− 7 37.2	3.865	4.808	4.6	20.4
9 28	1 5.84	− 8 14.1	3.833	4.806	3.2	20.3
10 8	1 0.83	− 8 46.6	3.830	4.803	3.0	20.3
10 18	0 55.79	− 9 12.1	3.857	4.801	4.2	20.4
10 28	0 51.11	− 9 28.4	3.911	4.798	5.9	20.5
11 7	0 47.15	− 9 34.5	3.992	4.796	7.6	20.7
11 17	0 44.20	− 9 29.8	4.096	4.794	9.1	20.8

258781 2002 JU_{87} 10 9.4 157°.23 3°.4/ 5.6 18

9 8	1 22.49	− 4 48.1	2.611	3.494	9.2	20.6
9 18	1 16.48	− 5 22.3	2.555	3.499	6.6	20.5
9 28	1 9.21	− 5 55.3	2.526	3.504	4.2	20.3
10 8	1 1.28	− 6 22.9	2.526	3.508	3.5	20.3
10 18	0 53.35	− 6 41.6	2.555	3.512	5.3	20.4
10 28	0 46.10	− 6 48.6	2.613	3.516	7.8	20.6
11 7	0 40.11	− 6 42.4	2.696	3.519	10.3	20.7
11 17	0 35.76	− 6 23.1	2.802	3.523	12.4	20.9

269014 2007 EX_{182} 10 9.4 132°.94 4°.9/ 5.6 18

9 8	1 27.21	− 5 25.0	1.701	2.592	12.9	20.9
9 18	1 20.30	− 6 8.1	1.652	2.599	9.3	20.7
9 28	1 11.45	− 6 48.9	1.628	2.606	6.0	20.5
10 8	1 1.57	− 7 20.7	1.631	2.613	5.1	20.5
10 18	0 51.75	− 7 38.0	1.661	2.620	7.4	20.6
10 28	0 43.07	− 7 37.1	1.718	2.626	10.9	20.9
11 7	0 36.37	− 7 17.2	1.798	2.632	14.1	21.1
11 17	0 32.13	− 6 39.3	1.898	2.637	16.9	21.3

271607 2004 PW_{10} 10 9.4 101°.73 3°.8/12.8 18

9 8	1 25.26	+18 21.2	1.667	2.509	15.5	19.9
9 18	1 19.13	+18 17.1	1.606	2.520	11.9	19.7
9 28	1 10.91	+17 52.5	1.568	2.531	7.9	19.5
10 8	1 1.52	+17 9.6	1.554	2.542	4.5	19.3
10 18	0 52.08	+16 13.0	1.568	2.552	4.6	19.3
10 28	0 43.77	+15 10.4	1.610	2.562	8.0	19.5
11 7	0 37.50	+14 10.0	1.676	2.572	11.7	19.8
11 17	0 33.78	+13 18.5	1.765	2.582	15.0	20.0

138062 2000 DB_{42} 10 9.4 307°.72 0°.8/ 9.9 18

9 8	1 23.32	+ 9 45.6	1.321	2.208	16.1	20.1
9 18	1 18.43	+ 9 31.6	1.242	2.188	11.8	19.8
9 28	1 10.87	+ 9 1.4	1.184	2.168	6.8	19.5
10 8	1 1.55	+ 8 18.8	1.150	2.148	1.4	19.1
10 18	0 51.74	+ 7 30.2	1.141	2.129	4.7	19.2
10 28	0 42.95	+ 6 44.2	1.157	2.110	10.3	19.5
11 7	0 36.46	+ 6 9.2	1.196	2.092	15.4	19.7
11 17	0 33.05	+ 5 50.7	1.254	2.075	19.7	20.0

440103 2003 AP_{67} 10 9.4 309°.60 5°.5/ 4.6 18

9 8	1 21.92	− 5 15.0	1.630	2.531	12.7	20.9
9 18	1 17.01	− 6 16.7	1.549	2.501	9.4	20.7
9 28	1 9.92	− 7 19.7	1.491	2.471	6.4	20.4
10 8	1 1.42	− 8 15.6	1.460	2.441	5.8	20.3
10 18	0 52.52	− 8 56.5	1.454	2.411	8.5	20.4
10 28	0 44.43	− 9 15.8	1.474	2.382	12.3	20.6
11 7	0 38.16	− 9 10.5	1.515	2.353	16.1	20.7
11 17	0 34.42	− 8 40.8	1.574	2.324	19.4	20.9

161884 2007 CD_{54} 10 9.4 245°.16 4°.7/ 4.3 18

9 8	1 20.46	− 6 6.0	2.170	3.063	10.4	20.1
9 18	1 15.31	− 7 8.8	2.112	3.059	7.6	19.9
9 28	1 8.69	− 8 10.2	2.081	3.056	5.2	19.7
10 8	1 1.24	− 9 4.0	2.076	3.052	4.9	19.7
10 18	0 53.73	− 9 44.8	2.100	3.049	6.9	19.8
10 28	0 46.97	−10 8.4	2.151	3.045	9.7	20.0
11 7	0 41.63	−10 13.2	2.225	3.042	12.4	20.2
11 17	0 38.14	− 9 59.5	2.320	3.038	14.7	20.4

474653 2004 XC_{119} 10 9.4 335°.24 6°.2/14.4 18

9 8	1 21.24	+21 59.0	1.407	2.251	17.8	20.0
9 18	1 16.87	+22 19.0	1.331	2.239	14.3	19.8
9 28	1 9.97	+22 13.1	1.275	2.229	10.4	19.5
10 8	1 1.43	+21 40.6	1.241	2.219	7.1	19.3
10 18	0 52.52	+20 44.7	1.231	2.210	6.5	19.3
10 28	0 44.66	+19 33.5	1.247	2.202	9.5	19.4
11 7	0 39.06	+18 17.9	1.285	2.194	13.5	19.6
11 17	0 36.43	+17 8.1	1.344	2.188	17.3	19.9

115814 2003 UZ_{243} 10 9.4 15°.37 0°.3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.89	+ 7 7.9	1.518	2.405	14.4	19.1
9 18	1 17.54	+ 6 47.1	1.460	2.407	10.3	18.9
9 28	1 10.09	+ 6 15.4	1.424	2.410	5.6	18.6
10 8	1 1.43	+ 5 37.5	1.414	2.413	0.7	18.3
10 18	0 52.69	+ 4 59.4	1.430	2.416	4.4	18.6
10 28	0 45.04	+ 4 27.9	1.473	2.420	9.1	18.9
11 7	0 39.42	+ 4 8.0	1.539	2.425	13.2	19.1
11 17	0 36.36	+ 4 2.9	1.626	2.430	16.7	19.4

61191 2000 OA 10 9.5 126°.90 2°.9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.62	+ 2 3.5	1.367	2.262	15.1	19.3
9 18	1 20.30	+ 1 13.5	1.315	2.268	10.6	19.0
9 28	1 11.61	+ 0 16.5	1.287	2.273	5.9	18.8
10 8	1 1.63	− 0 39.6	1.283	2.279	3.0	18.6
10 18	0 51.63	− 1 26.7	1.306	2.284	6.4	18.9
10 28	0 42.97	− 1 58.0	1.355	2.288	11.1	19.1
11 7	0 36.62	− 2 9.4	1.426	2.293	15.3	19.4
11 17	0 33.14	− 2 0.2	1.517	2.297	18.7	19.7

24380 2000 AA_{160} 10 9.5 335°.60 0°.2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.91	+ 8 34.8	4.019	4.879	6.8	18.2
9 18	1 10.91	+ 8 20.8	3.942	4.876	4.9	18.0
9 28	1 6.13	+ 8 1.8	3.892	4.873	2.7	17.9
10 8	1 0.92	+ 7 39.7	3.871	4.870	0.5	17.7
10 18	0 55.65	+ 7 16.4	3.881	4.867	1.9	17.8
10 28	0 50.73	+ 6 54.3	3.920	4.864	4.1	18.0
11 7	0 46.52	+ 6 35.6	3.989	4.861	6.1	18.1
11 17	0 43.30	+ 6 22.0	4.082	4.858	7.9	18.2

224971 2007 ER_{53} 10 9.5 156°.14 0°.2/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.05	+10 7.1	2.651	3.512	9.8	21.1
9 18	1 14.10	+ 9 19.2	2.583	3.517	7.0	20.9
9 28	1 7.96	+ 8 21.8	2.541	3.522	3.9	20.7
10 8	1 1.16	+ 7 18.6	2.528	3.526	0.6	20.5
10 18	0 54.32	+ 6 14.1	2.545	3.531	2.8	20.7
10 28	0 48.10	+ 5 13.3	2.592	3.534	6.0	20.9
11 7	0 43.04	+ 4 20.4	2.667	3.538	8.8	21.1
11 17	0 39.53	+ 3 38.7	2.766	3.541	11.2	21.3

291368 2006 BG_{268} 10 9.5 272°.43 7°.9/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 29.50	+30 21.8	2.397	3.144	14.1	20.4
9 18	1 22.21	+31 32.9	2.304	3.133	12.1	20.2
9 28	1 12.75	+32 25.1	2.233	3.121	10.1	20.1
10 8	1 1.82	+32 55.1	2.187	3.110	8.4	19.9
10 18	0 50.36	+33 1.6	2.168	3.098	7.9	19.9
10 28	0 39.51	+32 46.6	2.177	3.086	8.8	19.9
11 7	0 30.30	+32 15.7	2.212	3.075	10.7	20.0
11 17	0 23.46	+31 36.1	2.270	3.063	12.9	20.2

363448 2003 SE_{159} 10 9.5 93°.77 1°.6/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.31	+ 5 51.6	2.295	3.174	10.4	20.7
9 18	1 13.67	+ 4 15.7	2.240	3.186	7.2	20.5
9 28	1 7.75	+ 2 31.6	2.212	3.198	3.8	20.3
10 8	1 1.15	+ 0 45.8	2.213	3.209	1.7	20.2
10 18	0 54.56	− 0 54.6	2.245	3.221	4.3	20.4
10 28	0 48.70	− 2 23.1	2.306	3.232	7.6	20.6
11 7	0 44.13	− 3 34.9	2.394	3.243	10.5	20.8
11 17	0 41.25	− 4 27.8	2.505	3.254	13.0	21.0

45681 2000 ET_{131} 10 9.5 277°.53 2°.8/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.94	+ 0 32.0	2.314	3.203	10.0	19.0
9 18	1 13.50	− 0 41.4	2.247	3.198	7.0	18.8
9 28	1 7.71	− 1 59.2	2.207	3.192	4.0	18.6
10 8	1 1.15	− 3 15.6	2.196	3.186	2.9	18.5
10 18	0 54.51	− 4 24.6	2.214	3.180	5.2	18.7
10 28	0 48.50	− 5 20.9	2.259	3.175	8.3	18.9
11 7	0 43.76	− 6 0.9	2.330	3.169	11.1	19.0
11 17	0 40.70	− 6 23.1	2.423	3.163	13.6	19.2

518287 2017 AF_{8} 10 9.5 324°.76 2°.8/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.66	+ 1 7.4	2.091	2.983	10.8	21.5
9 18	1 14.10	− 0 5.2	2.030	2.981	7.6	21.3
9 28	1 8.06	− 1 22.8	1.994	2.979	4.3	21.1
10 8	1 1.20	− 2 39.1	1.986	2.978	2.9	21.0
10 18	0 54.26	− 3 47.6	2.007	2.976	5.4	21.1
10 28	0 48.07	− 4 42.6	2.055	2.975	8.7	21.3
11 7	0 43.27	− 5 20.3	2.128	2.973	11.8	21.5
11 17	0 40.33	− 5 39.2	2.223	2.972	14.4	21.7

510068 2010 HX_{108} 10 9.5 130°.46 6°.4/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.03	−12 23.8	2.169	3.051	10.9	21.6
9 18	1 18.42	−13 24.0	2.132	3.065	8.4	21.5
9 28	1 10.31	−14 16.5	2.120	3.078	6.6	21.4
10 8	1 1.48	−14 55.2	2.136	3.090	6.6	21.4
10 18	0 52.74	−15 15.7	2.180	3.102	8.3	21.5
10 28	0 44.95	−15 15.7	2.250	3.114	10.6	21.7
11 7	0 38.75	−14 55.5	2.343	3.125	12.9	21.9
11 17	0 34.54	−14 17.1	2.456	3.135	14.9	22.1

406254 2007 DA_{55} 10 9.5 192°.42 3°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.64	+19 19.1	2.319	3.143	12.3	21.2
9 18	1 16.94	+19 25.0	2.241	3.143	9.6	21.0
9 28	1 9.65	+19 15.4	2.187	3.142	6.7	20.8
10 8	1 1.41	+18 51.2	2.160	3.141	4.1	20.6
10 18	0 53.02	+18 15.1	2.161	3.140	4.0	20.6
10 28	0 45.34	+17 31.6	2.190	3.139	6.5	20.8
11 7	0 39.10	+16 46.4	2.247	3.138	9.4	21.0
11 17	0 34.81	+16 4.8	2.328	3.136	12.1	21.1

82446 2001 OH_{9} 10 9.5 336°.21 9°.6/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.50	+31 34.3	1.637	2.419	18.4	18.1
9 18	1 17.01	+32 16.9	1.556	2.408	15.8	17.9
9 28	1 10.05	+32 30.2	1.494	2.398	13.1	17.7
10 8	1 1.49	+32 10.8	1.452	2.389	10.7	17.6
10 18	0 52.52	+31 19.2	1.433	2.380	9.6	17.5
10 28	0 44.53	+30 1.0	1.439	2.372	10.6	17.5
11 7	0 38.70	+28 26.7	1.468	2.365	13.0	17.7
11 17	0 35.76	+26 48.0	1.519	2.358	15.8	17.8

268406 2005 UK_{236} 10 9.5 86°.12 2°.2/ 7.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.47	+ 3 44.4	1.544	2.435	14.0	21.1
9 18	1 18.45	+ 2 47.1	1.501	2.452	9.8	20.9
9 28	1 10.47	+ 1 42.4	1.482	2.469	5.2	20.6
10 8	1 1.51	+ 0 37.5	1.489	2.486	2.2	20.5
10 18	0 52.66	− 0 20.1	1.524	2.502	5.5	20.8
10 28	0 45.02	− 1 3.8	1.584	2.518	9.7	21.0
11 7	0 39.41	− 1 29.4	1.669	2.535	13.5	21.3
11 17	0 36.27	− 1 35.9	1.774	2.551	16.6	21.6

139966 2001 SQ_{11} 10 9.5 286°.96 1°.8/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.24	+ 4 34.9	1.932	2.818	11.8	20.0
9 18	1 15.51	+ 3 34.3	1.847	2.795	8.4	19.7
9 28	1 8.99	+ 2 23.8	1.786	2.773	4.5	19.5
10 8	1 1.34	+ 1 9.2	1.753	2.750	1.8	19.2
10 18	0 53.43	− 0 2.7	1.749	2.727	4.9	19.4
10 28	0 46.20	− 1 4.5	1.772	2.705	9.0	19.6
11 7	0 40.51	− 1 50.8	1.820	2.682	12.7	19.8
11 17	0 36.92	− 2 18.3	1.889	2.659	15.9	20.0

280614 2004 XY_{24} 10 9.5 9°.40 12°.6/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.89	−19 24.0	1.169	2.072	16.5	18.7
9 18	1 17.87	−20 46.2	1.141	2.074	14.0	18.6
9 28	1 10.32	−21 47.0	1.134	2.077	12.6	18.5
10 8	1 1.49	−22 15.1	1.147	2.082	13.1	18.6
10 18	0 52.82	−22 4.5	1.181	2.087	15.1	18.7
10 28	0 45.71	−21 14.7	1.234	2.095	17.8	18.9
11 7	0 41.13	−19 51.0	1.306	2.103	20.5	19.1
11 17	0 39.51	−18 0.8	1.392	2.112	22.8	19.3

213527 2002 HE_{12} 10 9.5 101°.74 1°.7/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 29.83	+ 3 46.9	1.546	2.428	14.5	20.6
9 18	1 22.17	+ 3 14.6	1.506	2.452	10.1	20.4
9 28	1 12.47	+ 2 35.4	1.490	2.475	5.4	20.2
10 8	1 1.77	+ 1 55.3	1.500	2.498	1.7	20.0
10 18	0 51.28	+ 1 20.4	1.539	2.520	5.1	20.3
10 28	0 42.19	+ 0 56.3	1.605	2.541	9.5	20.6
11 7	0 35.33	+ 0 46.5	1.696	2.562	13.3	20.9
11 17	0 31.12	+ 0 52.2	1.808	2.582	16.4	21.1

45626 2000 DF_{95} 10 9.5 89°.43 1°.3/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.94	+ 4 12.5	2.308	3.188	10.4	19.1
9 18	1 14.89	+ 3 34.5	2.245	3.191	7.3	18.9
9 28	1 8.46	+ 2 50.7	2.208	3.193	3.9	18.7
10 8	1 1.27	+ 2 5.3	2.198	3.196	1.3	18.5
10 18	0 54.03	+ 1 22.8	2.218	3.198	3.9	18.7
10 28	0 47.49	+ 0 47.8	2.266	3.201	7.2	18.9
11 7	0 42.27	+ 0 23.8	2.341	3.203	10.2	19.1
11 17	0 38.80	+ 0 12.7	2.438	3.205	12.8	19.3

9857 1991 EN 10 9.5 86°.67 4°.5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.98	+32 53.0	4.432	5.146	8.5	17.7
9 18	1 11.73	+33 0.5	4.345	5.148	7.3	17.6
9 28	1 6.63	+32 55.1	4.280	5.150	6.1	17.5
10 8	1 1.05	+32 36.9	4.240	5.152	5.0	17.4
10 18	0 55.39	+32 6.7	4.228	5.154	4.5	17.4
10 28	0 50.10	+31 26.7	4.244	5.156	4.8	17.4
11 7	0 45.58	+30 39.9	4.288	5.158	5.8	17.5
11 17	0 42.14	+29 49.5	4.358	5.160	7.0	17.6

186493 2002 TL_{265} 10 9.5 359°.80 2°.2/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.47	+ 1 58.1	1.092	2.000	17.0	19.4
9 18	1 20.03	+ 1 56.9	1.039	1.997	12.1	19.1
9 28	1 11.72	+ 1 49.9	1.007	1.995	6.6	18.8
10 8	1 1.73	+ 1 43.0	0.997	1.995	2.2	18.5
10 18	0 51.58	+ 1 42.0	1.011	1.995	6.3	18.8
10 28	0 42.93	+ 1 52.8	1.049	1.997	11.8	19.1
11 7	0 36.99	+ 2 18.6	1.108	2.000	16.7	19.4
11 17	0 34.39	+ 3 0.3	1.184	2.004	20.7	19.7

356797 2011 UA_{325} 10 9.5 57°.44 0°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.20	+ 8 1.3	1.823	2.699	12.9	20.6
9 18	1 17.50	+ 7 42.9	1.763	2.704	9.2	20.4
9 28	1 10.00	+ 7 14.5	1.726	2.710	5.1	20.2
10 8	1 1.50	+ 6 40.0	1.717	2.715	0.7	19.9
10 18	0 52.93	+ 6 4.2	1.735	2.721	3.7	20.1
10 28	0 45.31	+ 5 32.8	1.781	2.727	7.9	20.4
11 7	0 39.43	+ 5 10.3	1.852	2.733	11.6	20.6
11 17	0 35.79	+ 5 0.0	1.946	2.739	14.7	20.9

516333 2017 BP_{33} 10 9.5 203°.83 4°.0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.32	− 6 50.8	2.849	3.734	8.4	22.1
9 18	1 14.27	− 7 51.9	2.788	3.730	6.2	22.0
9 28	1 8.08	− 8 51.4	2.754	3.725	4.4	21.8
10 8	1 1.25	− 9 44.6	2.749	3.720	4.2	21.8
10 18	0 54.36	−10 27.3	2.773	3.715	5.8	21.9
10 28	0 48.03	−10 56.2	2.825	3.709	8.0	22.1
11 7	0 42.77	−11 9.7	2.903	3.703	10.2	22.2
11 17	0 38.96	−11 7.6	3.002	3.696	12.1	22.4

210427 2008 EB_{93} 10 9.5 274°.52 6°.9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.97	−11 27.2	1.842	2.733	12.0	19.8
9 18	1 18.04	−12 26.7	1.790	2.730	9.2	19.7
9 28	1 10.29	−13 19.2	1.763	2.727	7.2	19.5
10 8	1 1.55	−13 57.4	1.762	2.723	7.2	19.5
10 18	0 52.77	−14 15.6	1.787	2.720	9.2	19.6
10 28	0 44.95	−14 10.8	1.838	2.716	11.9	19.8
11 7	0 38.90	−13 43.0	1.911	2.713	14.7	20.0
11 17	0 35.11	−12 54.3	2.002	2.709	17.1	20.2

389740 2011 ST_{117} 10 9.5 28°.74 0°.9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.03	+ 9 17.7	1.560	2.437	14.6	20.1
9 18	1 19.06	+ 9 21.6	1.502	2.443	10.6	19.9
9 28	1 10.96	+ 9 13.6	1.467	2.449	6.0	19.6
10 8	1 1.64	+ 8 56.8	1.457	2.455	1.4	19.4
10 18	0 52.24	+ 8 35.7	1.475	2.462	4.0	19.6
10 28	0 43.97	+ 8 15.9	1.519	2.469	8.5	19.9
11 7	0 37.75	+ 8 2.9	1.587	2.477	12.6	20.1
11 17	0 34.13	+ 8 0.2	1.677	2.485	16.0	20.4

493526 2015 FF_{40} 10 9.5 7°.81 0°.2/ 9.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.14	+ 9 4.7	4.258	5.116	6.5	21.4
9 18	1 10.35	+ 8 44.5	4.183	5.116	4.6	21.3
9 28	1 5.86	+ 8 19.4	4.136	5.116	2.6	21.1
10 8	1 0.97	+ 7 51.1	4.118	5.116	0.5	20.9
10 18	0 56.04	+ 7 21.6	4.130	5.117	1.8	21.0
10 28	0 51.44	+ 6 53.4	4.173	5.117	3.9	21.2
11 7	0 47.50	+ 6 28.5	4.245	5.117	5.8	21.3
11 17	0 44.48	+ 6 8.9	4.342	5.118	7.5	21.5

40739 1999 SX_{25} 10 9.5 156°.53 4°.9/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.31	+24 23.2	2.067	2.870	14.3	18.8
9 18	1 17.57	+24 6.6	1.992	2.876	11.5	18.6
9 28	1 10.06	+23 27.8	1.940	2.881	8.4	18.4
10 8	1 1.53	+22 27.8	1.914	2.885	5.7	18.3
10 18	0 52.91	+21 10.8	1.915	2.890	5.1	18.2
10 28	0 45.18	+19 43.7	1.945	2.893	7.2	18.4
11 7	0 39.15	+18 14.9	2.002	2.897	10.2	18.6
11 17	0 35.31	+16 52.0	2.084	2.899	13.0	18.8

495319 2014 HB_{154} 10 9.5 10°.24 0°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.07	+ 7 29.5	1.688	2.567	13.6	21.0
9 18	1 18.30	+ 7 19.6	1.624	2.567	9.7	20.7
9 28	1 10.52	+ 6 59.8	1.584	2.568	5.4	20.5
10 8	1 1.60	+ 6 33.8	1.570	2.569	0.7	20.2
10 18	0 52.55	+ 6 6.3	1.584	2.571	4.0	20.4
10 28	0 44.50	+ 5 43.0	1.625	2.572	8.4	20.7
11 7	0 38.34	+ 5 28.7	1.691	2.574	12.4	20.9
11 17	0 34.60	+ 5 26.4	1.778	2.576	15.7	21.2

477542 2010 FY_{16} 10 9.5 351°.99 0°.8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.13	+ 9 24.0	1.639	2.513	14.2	21.0
9 18	1 19.14	+ 9 21.7	1.573	2.512	10.3	20.7
9 28	1 11.03	+ 9 7.5	1.529	2.511	5.9	20.5
10 8	1 1.67	+ 8 44.6	1.512	2.511	1.3	20.2
10 18	0 52.15	+ 8 17.4	1.523	2.510	3.9	20.4
10 28	0 43.65	+ 7 51.9	1.560	2.510	8.5	20.6
11 7	0 37.12	+ 7 33.5	1.622	2.510	12.6	20.9
11 17	0 33.15	+ 7 26.1	1.706	2.510	16.0	21.1

77520 2001 HU_{52} 10 9.5 38°.24 1°.6/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.79	+ 5 24.5	1.359	2.257	15.0	18.1
9 18	1 16.74	+ 4 35.4	1.322	2.276	10.5	17.9
9 28	1 9.62	+ 3 36.7	1.308	2.295	5.6	17.6
10 8	1 1.47	+ 2 35.8	1.318	2.316	1.6	17.4
10 18	0 53.46	+ 1 40.6	1.354	2.337	5.3	17.7
10 28	0 46.76	+ 0 58.4	1.416	2.359	9.8	18.1
11 7	0 42.17	+ 0 33.7	1.500	2.381	13.8	18.4
11 17	0 40.13	+ 0 28.1	1.605	2.404	17.1	18.6

285803 2000 YY_{22} 10 9.5 135°.01 5°.9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.40	− 9 16.0	2.048	2.937	11.1	21.2
9 18	1 17.40	−10 33.2	2.007	2.948	8.3	21.0
9 28	1 9.85	−11 45.3	1.992	2.959	6.3	20.9
10 8	1 1.50	−12 45.4	2.005	2.969	6.2	21.0
10 18	0 53.22	−13 27.7	2.045	2.979	8.1	21.1
10 28	0 45.86	−13 48.9	2.112	2.988	10.7	21.3
11 7	0 40.09	−13 48.3	2.202	2.996	13.2	21.5
11 17	0 36.33	−13 27.3	2.311	3.005	15.4	21.7

356896 2011 YX_{20} 10 9.5 34°.55 2°.6/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.85	+21 30.0	4.172	4.971	7.7	20.5
9 18	1 10.91	+21 23.4	4.091	4.973	6.1	20.4
9 28	1 6.19	+21 7.1	4.035	4.976	4.4	20.3
10 8	1 1.04	+20 41.9	4.007	4.979	3.0	20.2
10 18	0 55.82	+20 9.5	4.008	4.982	2.7	20.2
10 28	0 50.96	+19 32.3	4.039	4.985	3.9	20.3
11 7	0 46.83	+18 53.3	4.099	4.988	5.6	20.4
11 17	0 43.71	+18 15.2	4.186	4.991	7.2	20.5

254532 2005 EP_{130} 10 9.5 135°.78 0°.8/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.83	+ 7 34.6	1.673	2.550	13.8	21.3
9 18	1 19.42	+ 6 41.3	1.619	2.562	9.8	21.1
9 28	1 11.07	+ 5 36.5	1.589	2.574	5.2	20.9
10 8	1 1.67	+ 4 26.3	1.586	2.585	0.9	20.6
10 18	0 52.31	+ 3 18.1	1.612	2.595	4.5	20.9
10 28	0 44.07	+ 2 19.2	1.665	2.605	8.9	21.2
11 7	0 37.79	+ 1 35.3	1.743	2.614	12.7	21.4
11 17	0 33.95	+ 1 9.1	1.843	2.622	15.9	21.7

41778 2000 VB_{50} 10 9.5 354°.45 4°.5/12.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.92	+18 42.7	1.095	1.971	19.6	18.1
9 18	1 16.24	+18 27.4	1.034	1.966	15.1	17.8
9 28	1 9.75	+17 41.5	0.991	1.963	10.1	17.5
10 8	1 1.53	+16 27.9	0.970	1.961	5.4	17.2
10 18	0 53.06	+14 54.8	0.972	1.959	5.5	17.2
10 28	0 45.97	+13 15.2	0.997	1.959	10.2	17.5
11 7	0 41.49	+11 43.3	1.044	1.959	15.2	17.8
11 17	0 40.28	+10 29.2	1.109	1.961	19.6	18.1

183177 2002 SG_{47} 10 9.5 12°.47 1°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.93	+10 47.7	1.283	2.168	16.6	20.2
9 18	1 18.67	+10 30.0	1.225	2.169	12.1	20.0
9 28	1 10.91	+ 9 55.2	1.188	2.171	7.0	19.7
10 8	1 1.67	+ 9 7.9	1.175	2.173	1.7	19.3
10 18	0 52.30	+ 8 15.1	1.187	2.175	4.5	19.6
10 28	0 44.21	+ 7 25.7	1.224	2.178	9.8	19.9
11 7	0 38.50	+ 6 47.5	1.284	2.181	14.5	20.1
11 17	0 35.75	+ 6 25.5	1.363	2.184	18.4	20.4

204260 2004 FA_{1} 10 9.5 33°.74 3°.3/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.51	− 0 24.5	1.447	2.346	14.2	19.7
9 18	1 18.67	− 0 53.7	1.402	2.355	10.0	19.4
9 28	1 10.71	− 1 25.6	1.379	2.365	5.7	19.2
10 8	1 1.64	− 1 53.7	1.382	2.376	3.3	19.1
10 18	0 52.62	− 2 12.1	1.411	2.387	6.3	19.3
10 28	0 44.85	− 2 16.0	1.466	2.398	10.5	19.6
11 7	0 39.21	− 2 3.2	1.544	2.410	14.3	19.9
11 17	0 36.17	− 1 33.7	1.641	2.423	17.5	20.1

90436 2004 BH_{81} 10 9.5 261°.01 0°.9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.21	+ 6 3.3	1.970	2.849	11.9	20.5
9 18	1 16.85	+ 5 26.2	1.893	2.837	8.5	20.2
9 28	1 9.72	+ 4 40.0	1.840	2.825	4.6	20.0
10 8	1 1.53	+ 3 49.2	1.815	2.813	0.9	19.7
10 18	0 53.13	+ 2 59.3	1.818	2.801	4.1	19.9
10 28	0 45.50	+ 2 16.3	1.849	2.788	8.2	20.1
11 7	0 39.43	+ 1 44.9	1.906	2.776	11.8	20.3
11 17	0 35.48	+ 1 28.3	1.984	2.763	14.9	20.5

71072 1999 XL_{112} 10 9.5 226°.33 4°.6/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.64	− 8 26.2	2.510	3.396	9.4	19.2
9 18	1 16.04	− 9 12.5	2.449	3.390	7.0	19.0
9 28	1 9.11	− 9 55.6	2.414	3.384	5.1	18.9
10 8	1 1.44	−10 30.6	2.407	3.377	4.8	18.9
10 18	0 53.69	−10 53.2	2.429	3.371	6.5	19.0
10 28	0 46.61	−11 0.4	2.478	3.364	8.9	19.1
11 7	0 40.80	−10 51.3	2.552	3.357	11.3	19.3
11 17	0 36.67	−10 26.3	2.647	3.349	13.4	19.4

351158 2003 YX_{160} 10 9.5 319°.83 2°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.11	+ 2 31.2	1.528	2.427	13.5	20.8
9 18	1 15.72	+ 1 29.5	1.459	2.414	9.6	20.6
9 28	1 9.23	+ 0 19.0	1.413	2.400	5.3	20.3
10 8	1 1.47	− 0 52.9	1.392	2.387	2.9	20.1
10 18	0 53.47	− 1 57.6	1.398	2.375	6.2	20.3
10 28	0 46.42	− 2 47.2	1.430	2.363	10.7	20.5
11 7	0 41.25	− 3 16.4	1.484	2.351	14.7	20.7
11 17	0 38.58	− 3 23.3	1.558	2.340	18.2	21.0

268366 2005 TD_{119} 10 9.5 190°.92 0°.3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 25.97	+ 9 6.3	2.113	2.974	12.0	21.5
9 18	1 19.37	+ 8 42.5	2.039	2.973	8.6	21.3
9 28	1 11.04	+ 8 8.3	1.990	2.971	4.8	21.1
10 8	1 1.70	+ 7 27.1	1.969	2.968	0.8	20.8
10 18	0 52.22	+ 6 43.6	1.979	2.964	3.4	21.0
10 28	0 43.56	+ 6 3.0	2.017	2.960	7.3	21.2
11 7	0 36.49	+ 5 30.2	2.083	2.955	10.9	21.4
11 17	0 31.53	+ 5 8.7	2.171	2.949	13.9	21.6

188157 2002 GO_{92} 10 9.5 9°.40 1°.0/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.82	+13 1.1	1.779	2.650	13.4	19.2
9 18	1 13.78	+12 7.0	1.715	2.651	9.8	19.0
9 28	1 8.02	+10 56.4	1.673	2.654	5.7	18.8
10 8	1 1.30	+ 9 34.2	1.659	2.656	1.5	18.5
10 18	0 54.50	+ 8 7.7	1.671	2.659	3.5	18.7
10 28	0 48.57	+ 6 45.0	1.712	2.663	7.7	18.9
11 7	0 44.27	+ 5 33.6	1.777	2.667	11.5	19.2
11 17	0 42.08	+ 4 38.4	1.865	2.672	14.7	19.4

37970 1998 HG_{100} 10 9.5 150°.03 5°.5/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 27.41	− 8 27.5	1.908	2.794	11.9	18.7
9 18	1 20.36	− 9 6.3	1.858	2.799	8.8	18.5
9 28	1 11.53	− 9 40.2	1.833	2.804	6.2	18.3
10 8	1 1.75	−10 3.1	1.835	2.809	5.6	18.3
10 18	0 52.01	−10 10.3	1.865	2.813	7.7	18.4
10 28	0 43.31	− 9 59.2	1.922	2.817	10.6	18.6
11 7	0 36.43	− 9 29.5	2.003	2.821	13.5	18.8
11 17	0 31.81	− 8 42.9	2.105	2.824	16.0	19.0

134388 1996 TF_{19} 10 9.5 45°.33 1°.0/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 27.60	+ 5 17.2	1.097	1.997	17.6	19.2
9 18	1 21.28	+ 5 5.5	1.059	2.013	12.5	19.0
9 28	1 12.26	+ 4 43.3	1.042	2.029	6.7	18.7
10 8	1 1.85	+ 4 16.6	1.048	2.047	1.2	18.4
10 18	0 51.62	+ 3 52.6	1.078	2.064	5.5	18.8
10 28	0 43.10	+ 3 38.0	1.133	2.083	10.9	19.1
11 7	0 37.34	+ 3 37.7	1.210	2.101	15.6	19.5
11 17	0 34.79	+ 3 53.5	1.305	2.120	19.4	19.8

114694 2003 FC_{99} 10 9.5 25°.19 2°.1/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.44	− 0 16.7	3.536	4.422	7.0	18.3
9 18	1 9.97	− 1 22.3	3.481	4.429	4.8	18.2
9 28	1 5.70	− 2 29.9	3.453	4.436	2.8	18.0
10 8	1 1.00	− 3 35.5	3.456	4.444	2.1	18.0
10 18	0 56.28	− 4 35.8	3.488	4.452	3.7	18.1
10 28	0 51.97	− 5 27.3	3.550	4.459	5.8	18.3
11 7	0 48.44	− 6 7.8	3.639	4.468	7.7	18.4
11 17	0 45.97	− 6 36.2	3.751	4.476	9.4	18.5

44014 1997 WT_{1} 10 9.5 43°.87 0°.9/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.98	+ 5 39.6	1.694	2.579	13.2	18.4
9 18	1 17.43	+ 5 13.6	1.640	2.587	9.4	18.2
9 28	1 10.01	+ 4 39.2	1.610	2.596	5.0	17.9
10 8	1 1.58	+ 4 1.2	1.606	2.605	1.0	17.7
10 18	0 53.13	+ 3 25.2	1.630	2.614	4.3	17.9
10 28	0 45.71	+ 2 56.8	1.680	2.623	8.6	18.2
11 7	0 40.13	+ 2 40.2	1.755	2.633	12.3	18.5
11 17	0 36.86	+ 2 37.8	1.852	2.642	15.4	18.7

136265 2003 YN_{71} 10 9.5 127°.03 5°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.89	+25 36.3	2.100	2.894	14.4	20.0
9 18	1 18.00	+25 37.0	2.030	2.904	11.7	19.9
9 28	1 10.32	+25 15.8	1.982	2.913	8.8	19.7
10 8	1 1.62	+24 33.2	1.959	2.923	6.3	19.6
10 18	0 52.85	+23 32.3	1.963	2.931	5.6	19.6
10 28	0 44.99	+22 19.3	1.996	2.940	7.3	19.7
11 7	0 38.82	+21 2.1	2.055	2.948	10.0	19.9
11 17	0 34.86	+19 48.0	2.139	2.956	12.7	20.1

189257 2004 VO_{48} 10 9.5 43°.31 1°.9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.82	+ 6 38.8	0.984	1.894	18.3	19.1
9 18	1 18.01	+ 5 27.3	0.951	1.910	12.8	18.9
9 28	1 10.50	+ 4 0.9	0.938	1.927	6.8	18.6
10 8	1 1.64	+ 2 31.0	0.947	1.946	1.9	18.4
10 18	0 52.98	+ 1 9.9	0.980	1.964	6.5	18.7
10 28	0 46.04	+ 0 8.3	1.036	1.984	12.0	19.1
11 7	0 41.81	− 0 27.7	1.113	2.004	16.7	19.4
11 17	0 40.70	− 0 37.2	1.207	2.024	20.5	19.8

275119 2009 VC_{58} 10 9.5 300°.34 2°.5/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.34	+ 2 58.3	1.419	2.316	14.5	20.5
9 18	1 18.26	+ 2 14.8	1.345	2.298	10.4	20.2
9 28	1 10.76	+ 1 22.1	1.293	2.280	5.7	19.9
10 8	1 1.71	+ 0 27.0	1.266	2.262	2.5	19.7
10 18	0 52.30	− 0 22.6	1.265	2.245	6.2	19.8
10 28	0 43.89	− 0 58.6	1.289	2.227	11.1	20.1
11 7	0 37.61	− 1 15.7	1.336	2.210	15.6	20.3
11 17	0 34.14	− 1 11.5	1.402	2.194	19.4	20.5

74015 1998 FP_{130} 10 9.5 37°.55 2°.0/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.80	+ 4 13.9	1.323	2.219	15.4	19.3
9 18	1 19.17	+ 3 30.0	1.269	2.221	10.9	19.0
9 28	1 11.14	+ 2 36.1	1.236	2.224	5.9	18.8
10 8	1 1.74	+ 1 39.8	1.229	2.226	2.0	18.5
10 18	0 52.27	+ 0 49.0	1.247	2.229	5.9	18.8
10 28	0 44.08	+ 0 11.8	1.290	2.231	10.8	19.1
11 7	0 38.19	− 0 7.0	1.356	2.234	15.2	19.3
11 17	0 35.18	− 0 5.5	1.441	2.237	18.8	19.6

487075 2014 OE_{102} 10 9.5 234°.45 3°.7/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.70	− 3 4.2	2.383	3.274	9.6	21.2
9 18	1 14.05	− 4 17.7	2.321	3.270	6.9	21.0
9 28	1 8.06	− 5 32.6	2.286	3.266	4.4	20.9
10 8	1 1.33	− 6 43.0	2.280	3.262	3.9	20.8
10 18	0 54.53	− 7 43.3	2.302	3.257	5.9	20.9
10 28	0 48.37	− 8 28.8	2.351	3.253	8.7	21.1
11 7	0 43.45	− 8 57.0	2.426	3.248	11.3	21.3
11 17	0 40.19	− 9 7.0	2.522	3.243	13.6	21.4

34509 2000 SH_{175} 10 9.5 132°.45 4°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 27.03	+19 49.0	1.522	2.362	16.9	18.9
9 18	1 20.68	+19 48.1	1.459	2.369	13.1	18.7
9 28	1 11.96	+19 23.6	1.417	2.377	9.0	18.4
10 8	1 1.86	+18 36.9	1.399	2.384	5.4	18.3
10 18	0 51.64	+17 33.1	1.408	2.390	5.2	18.3
10 28	0 42.66	+16 20.7	1.444	2.397	8.7	18.5
11 7	0 35.95	+15 9.6	1.504	2.402	12.6	18.7
11 17	0 32.08	+14 8.1	1.587	2.408	16.2	19.0

364708 2007 UH_{131} 10 9.5 21°.91 9°.9/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.72	− 8 23.9	0.771	1.706	18.8	19.5
9 18	1 16.15	− 9 58.7	0.752	1.717	14.1	19.3
9 28	1 9.57	−11 22.1	0.751	1.731	10.6	19.1
10 8	1 1.52	−12 18.9	0.769	1.746	10.3	19.2
10 18	0 53.76	−12 39.1	0.807	1.764	13.4	19.4
10 28	0 47.95	−12 19.9	0.863	1.783	17.4	19.8
11 7	0 45.08	−11 25.4	0.936	1.804	21.3	20.1
11 17	0 45.47	−10 2.6	1.024	1.826	24.4	20.4

224078 2005 NV_{64} 10 9.5 153°.69 0°.1/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.82	+ 9 29.9	1.752	2.623	13.6	21.7
9 18	1 18.74	+ 8 44.0	1.691	2.630	9.7	21.5
9 28	1 10.75	+ 7 45.1	1.653	2.636	5.4	21.2
10 8	1 1.69	+ 6 38.2	1.643	2.642	0.7	20.9
10 18	0 52.60	+ 5 30.2	1.661	2.647	4.0	21.2
10 28	0 44.52	+ 4 28.5	1.707	2.651	8.3	21.5
11 7	0 38.29	+ 3 39.1	1.779	2.655	12.2	21.7
11 17	0 34.43	+ 3 5.8	1.872	2.659	15.4	21.9

47720 2000 DR_{34} 10 9.5 52°.36 3°.8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.54	− 2 37.3	2.183	3.078	10.3	19.4
9 18	1 13.98	− 3 52.5	2.132	3.083	7.3	19.2
9 28	1 8.03	− 5 9.0	2.107	3.087	4.6	19.1
10 8	1 1.34	− 6 20.3	2.109	3.093	3.9	19.0
10 18	0 54.63	− 7 20.5	2.140	3.098	6.1	19.2
10 28	0 48.65	− 8 4.9	2.198	3.103	9.0	19.4
11 7	0 44.03	− 8 30.9	2.281	3.109	11.7	19.6
11 17	0 41.16	− 8 38.1	2.384	3.114	14.1	19.8

314511 2005 XD_{57} 10 9.5 318°.06 5°.3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.11	− 7 11.6	1.947	2.843	11.3	20.0
9 18	1 16.00	− 8 10.6	1.889	2.836	8.3	19.8
9 28	1 9.22	− 9 7.0	1.856	2.830	5.9	19.7
10 8	1 1.50	− 9 54.2	1.849	2.823	5.5	19.6
10 18	0 53.70	−10 26.4	1.869	2.817	7.7	19.8
10 28	0 46.72	−10 39.4	1.915	2.811	10.6	19.9
11 7	0 41.30	−10 31.9	1.985	2.805	13.5	20.1
11 17	0 37.94	−10 4.5	2.074	2.800	16.0	20.3

266008 2006 EU_{14} 10 9.5 287°.55 0°.6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.07	+ 6 45.0	2.209	3.085	10.9	21.2
9 18	1 15.22	+ 6 9.4	2.126	3.069	7.8	20.9
9 28	1 8.81	+ 5 25.0	2.068	3.053	4.2	20.7
10 8	1 1.46	+ 4 35.8	2.038	3.036	0.7	20.4
10 18	0 53.91	+ 3 46.4	2.036	3.020	3.6	20.6
10 28	0 46.98	+ 3 2.4	2.063	3.004	7.4	20.8
11 7	0 41.41	+ 2 28.3	2.116	2.987	10.8	21.0
11 17	0 37.70	+ 2 7.1	2.192	2.971	13.7	21.2

124040 2001 FX_{137} 10 9.5 159°.82 2°.9/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.56	− 1 2.9	2.590	3.477	9.1	20.0
9 18	1 13.83	− 2 17.0	2.532	3.480	6.4	19.8
9 28	1 7.90	− 3 33.4	2.502	3.484	3.9	19.7
10 8	1 1.33	− 4 46.8	2.500	3.487	3.1	19.6
10 18	0 54.72	− 5 52.0	2.528	3.490	5.1	19.8
10 28	0 48.72	− 6 44.5	2.585	3.492	7.7	19.9
11 7	0 43.88	− 7 21.5	2.668	3.494	10.3	20.1
11 17	0 40.57	− 7 42.0	2.772	3.496	12.4	20.3

360107 2013 CS_{14} 10 9.5 278°.23 3°.4/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 13.70	−10 42.8	4.276	5.160	5.9	20.4
9 18	1 10.08	−11 32.1	4.220	5.156	4.5	20.3
9 28	1 5.75	−12 18.5	4.191	5.151	3.5	20.2
10 8	1 1.05	−12 59.2	4.191	5.147	3.6	20.2
10 18	0 56.30	−13 31.5	4.221	5.142	4.7	20.3
10 28	0 51.88	−13 53.6	4.278	5.138	6.1	20.4
11 7	0 48.12	−14 4.5	4.360	5.134	7.5	20.5
11 17	0 45.28	−14 3.8	4.464	5.129	8.8	20.6

394523 2007 TW_{361} 10 9.5 162°.99 0°.6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.77	+11 3.8	2.018	2.883	12.3	21.6
9 18	1 16.43	+10 25.2	1.950	2.885	8.9	21.4
9 28	1 9.45	+ 9 33.7	1.907	2.887	5.1	21.1
10 8	1 1.54	+ 8 33.6	1.891	2.889	1.1	20.9
10 18	0 53.55	+ 7 30.3	1.904	2.891	3.3	21.0
10 28	0 46.38	+ 6 30.3	1.945	2.892	7.3	21.3
11 7	0 40.76	+ 5 39.2	2.013	2.893	10.8	21.5
11 17	0 37.18	+ 5 1.1	2.103	2.894	13.8	21.7

25591 1999 XG_{252} 10 9.5 184°.92 0°.2/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.07	+ 9 11.0	2.711	3.572	9.6	19.7
9 18	1 14.90	+ 8 40.7	2.638	3.572	6.9	19.5
9 28	1 8.51	+ 8 2.1	2.591	3.572	3.8	19.3
10 8	1 1.42	+ 7 18.2	2.572	3.571	0.6	19.0
10 18	0 54.26	+ 6 32.8	2.584	3.570	2.7	19.2
10 28	0 47.68	+ 5 50.1	2.626	3.569	5.9	19.4
11 7	0 42.24	+ 5 13.9	2.695	3.567	8.7	19.6
11 17	0 38.35	+ 4 47.0	2.788	3.565	11.1	19.8

448416 2009 SK_{152} 10 9.5 354°.73 3°.1/ 6.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.76	+ 4 17.0	1.518	2.423	13.3	20.1
9 18	1 11.84	+ 2 22.1	1.459	2.417	9.2	19.9
9 28	1 7.07	+ 0 14.8	1.424	2.412	5.1	19.6
10 8	1 1.24	− 1 54.3	1.415	2.408	3.3	19.5
10 18	0 55.30	− 3 53.6	1.433	2.406	6.7	19.7
10 28	0 50.26	− 5 32.8	1.477	2.404	10.9	19.9
11 7	0 46.95	− 6 45.3	1.544	2.404	14.7	20.2
11 17	0 45.86	− 7 28.9	1.630	2.404	17.9	20.4

448608 2010 UT_{34} 10 9.5 11°.39 2°.1/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.50	+12 18.4	1.564	2.436	14.8	20.1
9 18	1 17.35	+12 26.4	1.504	2.439	11.0	19.9
9 28	1 10.10	+12 19.8	1.466	2.443	6.7	19.7
10 8	1 1.64	+12 0.9	1.452	2.448	2.6	19.4
10 18	0 53.06	+11 34.1	1.465	2.453	3.9	19.5
10 28	0 45.53	+11 5.4	1.505	2.460	8.2	19.8
11 7	0 39.98	+10 41.1	1.569	2.467	12.2	20.1
11 17	0 36.96	+10 25.9	1.654	2.475	15.7	20.3

181074 2005 QQ_{20} 10 9.5 17°.19 1°.8/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.30	+ 3 23.5	1.851	2.739	12.1	19.9
9 18	1 16.18	+ 2 41.6	1.791	2.740	8.5	19.6
9 28	1 9.34	+ 1 53.2	1.755	2.742	4.6	19.4
10 8	1 1.54	+ 1 3.7	1.747	2.743	1.9	19.2
10 18	0 53.68	+ 0 18.9	1.766	2.745	4.8	19.4
10 28	0 46.69	− 0 15.5	1.812	2.747	8.6	19.7
11 7	0 41.35	− 0 35.8	1.884	2.750	12.2	19.9
11 17	0 38.12	− 0 40.1	1.976	2.752	15.1	20.1

92344 2000 GP_{147} 10 9.5 282°.91 2°.8/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.33	− 2 50.1	3.096	3.983	7.8	19.6
9 18	1 12.19	− 3 47.5	3.019	3.967	5.6	19.4
9 28	1 7.02	− 4 46.2	2.970	3.950	3.5	19.3
10 8	1 1.25	− 5 42.2	2.950	3.934	2.9	19.2
10 18	0 55.37	− 6 31.5	2.960	3.918	4.6	19.3
10 28	0 49.92	− 7 10.4	2.998	3.901	7.0	19.5
11 7	0 45.39	− 7 36.6	3.063	3.885	9.2	19.6
11 17	0 42.13	− 7 49.0	3.150	3.868	11.2	19.7

38614 2000 AA_{113} 10 9.5 252°.10 3°.2/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.50	−10 22.0	4.431	5.314	5.7	19.2
9 18	1 9.93	−11 9.6	4.376	5.313	4.3	19.1
9 28	1 5.68	−11 54.6	4.350	5.311	3.4	19.0
10 8	1 1.07	−12 34.1	4.352	5.309	3.4	19.1
10 18	0 56.43	−13 5.7	4.384	5.307	4.4	19.1
10 28	0 52.11	−13 27.6	4.443	5.306	5.8	19.2
11 7	0 48.42	−13 38.8	4.528	5.304	7.2	19.3
11 17	0 45.61	−13 39.1	4.635	5.302	8.4	19.4

111144 2001 VH_{99} 10 9.5 10°.47 8°.4/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.33	−13 30.3	1.632	2.530	12.9	18.3
9 18	1 16.34	−14 52.3	1.593	2.532	10.2	18.2
9 28	1 9.46	−16 4.3	1.577	2.534	8.5	18.1
10 8	1 1.58	−16 57.6	1.586	2.536	8.8	18.1
10 18	0 53.71	−17 25.5	1.619	2.539	10.8	18.2
10 28	0 46.91	−17 25.1	1.676	2.542	13.5	18.4
11 7	0 41.98	−16 57.1	1.753	2.546	16.2	18.6
11 17	0 39.38	−16 4.9	1.848	2.551	18.4	18.8

446891 2002 JU_{107} 10 9.5 164°.57 1°.9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.36	− 0 7.1	2.892	3.766	8.7	21.9
9 18	1 17.10	− 0 28.7	2.829	3.771	6.1	21.7
9 28	1 9.67	− 0 51.9	2.793	3.776	3.4	21.5
10 8	1 1.61	− 1 13.5	2.787	3.780	1.9	21.4
10 18	0 53.52	− 1 30.7	2.812	3.784	3.8	21.6
10 28	0 46.04	− 1 40.4	2.866	3.787	6.5	21.8
11 7	0 39.71	− 1 41.0	2.949	3.790	9.0	21.9
11 17	0 34.90	− 1 31.4	3.055	3.793	11.1	22.1

448896 2011 US_{295} 10 9.5 228°.72 3°.4/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.20	− 3 39.0	2.209	3.090	10.7	21.2
9 18	1 19.49	− 4 1.9	2.138	3.082	7.7	21.0
9 28	1 11.13	− 4 24.2	2.094	3.074	4.7	20.8
10 8	1 1.81	− 4 41.6	2.078	3.065	3.5	20.8
10 18	0 52.37	− 4 50.0	2.091	3.056	5.6	20.9
10 28	0 43.71	− 4 46.3	2.133	3.047	8.8	21.1
11 7	0 36.57	− 4 28.8	2.201	3.038	11.8	21.2
11 17	0 31.44	− 3 57.5	2.291	3.028	14.4	21.4

361544 2007 PA_{27} 10 9.5 60°.96 1°.1/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.49	+11 20.7	1.121	2.009	18.3	20.7
9 18	1 20.53	+10 52.8	1.081	2.026	13.2	20.5
9 28	1 11.91	+10 5.6	1.060	2.043	7.5	20.2
10 8	1 1.90	+ 9 5.3	1.062	2.060	1.8	19.9
10 18	0 52.04	+ 8 0.9	1.090	2.078	4.8	20.2
10 28	0 43.83	+ 7 2.7	1.142	2.096	10.2	20.6
11 7	0 38.31	+ 6 18.8	1.216	2.114	15.0	20.9
11 17	0 35.96	+ 5 53.7	1.309	2.132	18.9	21.2

383179 2005 WM_{77} 10 9.5 302°.45 0°.5/10.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.69	+ 9 51.6	2.897	3.758	9.1	21.8
9 18	1 13.25	+ 9 31.2	2.811	3.744	6.6	21.6
9 28	1 7.65	+ 9 2.7	2.750	3.730	3.8	21.4
10 8	1 1.35	+ 8 28.7	2.718	3.716	0.8	21.2
10 18	0 54.93	+ 7 52.1	2.716	3.703	2.5	21.3
10 28	0 48.97	+ 7 16.7	2.743	3.689	5.5	21.5
11 7	0 44.01	+ 6 46.1	2.798	3.676	8.2	21.6
11 17	0 40.47	+ 6 23.0	2.877	3.662	10.6	21.8

127331 2002 JX_{109} 10 9.5 170°.52 2°.6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.57	− 0 51.4	2.235	3.120	10.5	19.8
9 18	1 16.85	− 1 19.7	2.173	3.120	7.4	19.6
9 28	1 9.64	− 1 49.7	2.136	3.120	4.2	19.4
10 8	1 1.62	− 2 17.2	2.128	3.120	2.7	19.3
10 18	0 53.54	− 2 37.9	2.149	3.120	4.9	19.4
10 28	0 46.21	− 2 48.2	2.197	3.120	8.1	19.6
11 7	0 40.29	− 2 46.0	2.272	3.120	11.0	19.8
11 17	0 36.24	− 2 30.4	2.368	3.120	13.6	20.0

75011 1999 UQ_{1} 10 9.5 315°.86 3°.9/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.25	− 0 55.2	1.310	2.211	15.2	17.9
9 18	1 20.39	− 1 26.8	1.248	2.202	10.9	17.7
9 28	1 11.95	− 2 1.8	1.208	2.194	6.3	17.4
10 8	1 1.95	− 2 32.7	1.193	2.186	3.9	17.2
10 18	0 51.73	− 2 52.4	1.203	2.179	7.2	17.4
10 28	0 42.74	− 2 55.0	1.238	2.171	12.0	17.7
11 7	0 36.13	− 2 37.6	1.295	2.164	16.3	17.9
11 17	0 32.54	− 2 0.4	1.370	2.158	20.0	18.2

266471 2007 YB_{1} 10 9.5 223°.93 3°.8/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.75	+18 34.5	1.545	2.392	16.3	20.4
9 18	1 19.16	+18 14.8	1.470	2.387	12.6	20.2
9 28	1 11.23	+17 31.6	1.417	2.382	8.4	19.9
10 8	1 1.86	+16 27.0	1.388	2.377	4.5	19.7
10 18	0 52.24	+15 6.8	1.386	2.371	4.7	19.7
10 28	0 43.69	+13 40.3	1.411	2.366	8.6	19.9
11 7	0 37.26	+12 17.9	1.461	2.359	12.9	20.1
11 17	0 33.61	+11 8.0	1.532	2.353	16.7	20.4

193651 2001 DL_{41} 10 9.5 192°.30 3°.1/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.19	− 2 49.8	2.863	3.747	8.5	20.7
9 18	1 14.23	− 3 56.1	2.800	3.746	6.0	20.6
9 28	1 8.16	− 5 3.6	2.764	3.743	3.8	20.4
10 8	1 1.45	− 6 7.5	2.758	3.740	3.2	20.4
10 18	0 54.69	− 7 3.3	2.781	3.737	5.0	20.5
10 28	0 48.48	− 7 47.1	2.834	3.733	7.4	20.7
11 7	0 43.31	− 8 16.6	2.912	3.729	9.8	20.8
11 17	0 39.58	− 8 31.0	3.013	3.725	11.8	21.0

479746 2014 EQ_{10} 10 9.5 356°.44 4°.4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.23	− 1 14.4	1.415	2.320	14.0	20.1
9 18	1 16.56	− 2 19.6	1.361	2.318	9.9	19.8
9 28	1 9.73	− 3 28.4	1.331	2.316	6.0	19.6
10 8	1 1.68	− 4 32.3	1.325	2.315	4.5	19.5
10 18	0 53.54	− 5 22.7	1.345	2.314	7.5	19.7
10 28	0 46.51	− 5 52.9	1.390	2.314	11.7	19.9
11 7	0 41.53	− 5 59.9	1.456	2.315	15.5	20.2
11 17	0 39.13	− 5 43.6	1.541	2.316	18.7	20.4

451138 2009 QC_{37} 10 9.5 13°.32 0°.9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.40	+ 9 40.1	1.955	2.823	12.5	20.6
9 18	1 17.69	+ 9 42.9	1.889	2.825	9.1	20.3
9 28	1 10.22	+ 9 35.7	1.847	2.827	5.2	20.1
10 8	1 1.74	+ 9 20.9	1.831	2.829	1.4	19.9
10 18	0 53.15	+ 9 2.0	1.844	2.832	3.4	20.0
10 28	0 45.40	+ 8 43.7	1.885	2.835	7.3	20.3
11 7	0 39.29	+ 8 30.3	1.952	2.838	10.8	20.5
11 17	0 35.32	+ 8 25.3	2.042	2.841	13.9	20.7

459880 2014 JQ_{25} 10 9.5 227°.51 3°.3/ 6.3 16

9 8	1 23.82	+ 8 21.8	1.219	2.112	16.7	21.4
9 18	1 18.82	+ 5 33.4	1.151	2.104	11.7	21.1
9 28	1 11.16	+ 2 18.0	1.107	2.096	6.2	20.8
10 8	1 1.89	− 1 8.5	1.091	2.086	3.5	20.6
10 18	0 52.37	− 4 25.9	1.103	2.076	8.1	20.9
10 28	0 44.12	− 7 14.8	1.141	2.065	13.7	21.1
11 7	0 38.31	− 9 23.6	1.202	2.054	18.6	21.4
11 17	0 35.58	−10 49.0	1.281	2.041	22.5	21.7

221680 2007 DZ_{18} 10 9.5 74°.18 0°.4/ 9.1 18

9 8	1 21.50	+ 7 27.4	2.130	3.003	11.4	20.7
9 18	1 16.06	+ 6 50.4	2.081	3.023	8.0	20.6
9 28	1 9.19	+ 6 5.2	2.058	3.042	4.3	20.4
10 8	1 1.60	+ 5 16.0	2.063	3.062	0.6	20.1
10 18	0 54.06	+ 4 27.8	2.096	3.081	3.4	20.4
10 28	0 47.37	+ 3 45.6	2.159	3.100	7.0	20.6
11 7	0 42.16	+ 3 13.5	2.247	3.119	10.2	20.9
11 17	0 38.82	+ 2 54.0	2.358	3.138	12.8	21.1

186495 2002 TB_{287} 10 9.5 11°.19 5°.0/13.4 18

9 8	1 21.38	+19 28.6	1.178	2.043	19.1	18.7
9 18	1 17.16	+19 26.2	1.120	2.045	14.9	18.4
9 28	1 10.27	+18 55.4	1.081	2.048	10.2	18.2
10 8	1 1.77	+17 58.1	1.063	2.051	5.9	18.0
10 18	0 53.10	+16 41.1	1.070	2.055	5.7	18.0
10 28	0 45.79	+15 15.8	1.100	2.061	9.7	18.2
11 7	0 41.00	+13 54.5	1.153	2.067	14.3	18.5
11 17	0 39.35	+12 46.9	1.226	2.074	18.4	18.8

268856 2006 XY_{59} 10 9.5 221°.38 1°.7/ 8.1 18

9 8	1 25.36	+ 4 7.2	1.743	2.626	13.0	21.5
9 18	1 19.28	+ 3 27.5	1.673	2.620	9.2	21.2
9 28	1 11.18	+ 2 39.6	1.628	2.614	5.0	21.0
10 8	1 1.89	+ 1 49.0	1.609	2.607	1.7	20.7
10 18	0 52.41	+ 1 2.1	1.619	2.599	5.0	20.9
10 28	0 43.87	+ 0 25.2	1.656	2.591	9.3	21.2
11 7	0 37.17	+ 0 2.8	1.717	2.583	13.1	21.4
11 17	0 32.88	− 0 2.8	1.800	2.574	16.4	21.6

130266 2000 DF_{50} 10 9.5 326°.33 3°.7/ 6.0 18

9 8	1 20.35	+ 0 10.9	1.655	2.554	12.7	20.0
9 18	1 15.74	− 1 2.8	1.595	2.549	9.0	19.7
9 28	1 9.23	− 2 22.1	1.558	2.543	5.2	19.5
10 8	1 1.62	− 3 38.9	1.548	2.538	3.8	19.4
10 18	0 53.89	− 4 45.2	1.565	2.534	6.7	19.6
10 28	0 47.09	− 5 34.0	1.607	2.529	10.5	19.8
11 7	0 42.05	− 6 1.2	1.673	2.525	14.2	20.0
11 17	0 39.30	− 6 6.0	1.758	2.521	17.2	20.2

34731 2001 QU_{47} 10 9.5 336°.39 3°.1/ 6.5 18

9 8	1 19.82	+ 1 34.3	1.690	2.587	12.6	19.0
9 18	1 15.32	+ 0 23.9	1.628	2.582	8.9	18.8
9 28	1 8.99	− 0 53.3	1.591	2.578	5.0	18.6
10 8	1 1.59	− 2 9.7	1.580	2.573	3.2	18.5
10 18	0 54.08	− 3 17.4	1.597	2.570	6.1	18.6
10 28	0 47.46	− 4 9.4	1.640	2.566	10.0	18.9
11 7	0 42.57	− 4 41.3	1.706	2.563	13.7	19.1
11 17	0 39.91	− 4 51.7	1.792	2.560	16.7	19.3

60589 2000 EU_{139} 10 9.5 258°.09 4°.8/ 2.5 18 R

9 8	1 18.10	− 6 29.2	2.482	3.374	9.3	19.3
9 18	1 13.67	− 8 15.3	2.418	3.363	6.9	19.2
9 28	1 7.94	−10 1.4	2.381	3.351	5.1	19.0
10 8	1 1.45	−11 40.6	2.374	3.340	5.2	19.0
10 18	0 54.83	−13 6.2	2.395	3.328	7.1	19.1
10 28	0 48.79	−14 13.2	2.444	3.316	9.6	19.3
11 7	0 43.92	−14 58.8	2.518	3.303	12.0	19.4
11 17	0 40.66	−15 22.7	2.611	3.291	14.1	19.6

320103 2007 EU_{124} 10 9.5 161°.07 0°.2/ 9.2 18

9 8	1 18.80	+ 9 35.6	2.737	3.598	9.5	20.8
9 18	1 13.99	+ 8 28.3	2.668	3.603	6.8	20.6
9 28	1 8.04	+ 7 11.6	2.625	3.608	3.7	20.4
10 8	1 1.46	+ 5 49.7	2.613	3.612	0.5	20.2
10 18	0 54.84	+ 4 27.6	2.631	3.615	2.9	20.4
10 28	0 48.82	+ 3 10.9	2.680	3.619	6.0	20.6
11 7	0 43.91	+ 2 3.9	2.757	3.622	8.8	20.8
11 17	0 40.48	+ 1 9.9	2.858	3.624	11.1	21.0

22188 2000 YU_{61} 10 9.5 7°.11 0°.3/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.47	+ 9 18.4	1.081	1.986	17.4	17.6
9 18	1 15.05	+ 8 50.2	1.032	1.987	12.5	17.3
9 28	1 9.07	+ 8 4.3	1.002	1.989	7.0	17.0
10 8	1 1.61	+ 7 7.3	0.995	1.994	1.1	16.6
10 18	0 54.05	+ 6 8.4	1.011	2.000	5.0	16.9
10 28	0 47.85	+ 5 17.5	1.050	2.007	10.5	17.3
11 7	0 44.08	+ 4 42.6	1.110	2.016	15.4	17.6
11 17	0 43.30	+ 4 27.9	1.189	2.027	19.5	17.9

378171 2006 WY_{79} 10 9.5 259°.76 0°.5/ 9.1 18

9 8	1 25.51	+ 7 9.9	1.622	2.502	14.0	21.7
9 18	1 19.64	+ 6 40.7	1.543	2.487	10.1	21.5
9 28	1 11.51	+ 5 59.7	1.488	2.472	5.5	21.2
10 8	1 1.95	+ 5 11.5	1.458	2.457	0.8	20.8
10 18	0 52.07	+ 4 22.4	1.456	2.441	4.5	21.1
10 28	0 43.09	+ 3 39.6	1.481	2.425	9.4	21.3
11 7	0 36.08	+ 3 9.2	1.531	2.409	13.7	21.5
11 17	0 31.69	+ 2 55.0	1.601	2.393	17.4	21.7

229341 2005 QK_{29} 10 9.5 347°.38 3°.0/ 7.2 18

9 8	1 16.16	+ 4 27.4	1.013	1.933	16.9	19.8
9 18	1 13.62	+ 3 14.6	0.956	1.921	12.0	19.4
9 28	1 8.40	+ 1 46.3	0.919	1.910	6.5	19.1
10 8	1 1.54	+ 0 13.3	0.904	1.900	3.1	18.9
10 18	0 54.41	− 1 11.2	0.911	1.893	7.4	19.1
10 28	0 48.56	− 2 14.9	0.940	1.887	13.0	19.4
11 7	0 45.17	− 2 50.2	0.989	1.883	18.1	19.7
11 17	0 44.90	− 2 55.0	1.054	1.880	22.3	20.0

487404 2014 QM_{346} 10 9.5 347°.40 7°.0/ 3.1 18

9 8	1 23.85	−13 54.6	2.028	2.914	11.4	20.5
9 18	1 17.88	−14 37.5	1.978	2.911	8.9	20.3
9 28	1 10.26	−15 11.4	1.953	2.908	7.2	20.2
10 8	1 1.76	−15 30.4	1.953	2.906	7.2	20.2
10 18	0 53.25	−15 30.0	1.980	2.904	8.9	20.3
10 28	0 45.64	−15 8.2	2.033	2.903	11.3	20.5
11 7	0 39.67	−14 25.6	2.109	2.901	13.8	20.6
11 17	0 35.78	−13 24.7	2.204	2.900	15.9	20.8

373994 2004 BW_{40} 10 9.5 255°.20 0°.9/10.3 18

9 8	1 25.10	+11 4.0	1.631	2.501	14.5	21.4
9 18	1 19.36	+10 37.9	1.550	2.487	10.6	21.1
9 28	1 11.37	+ 9 56.0	1.492	2.473	6.2	20.8
10 8	1 1.94	+ 9 2.2	1.460	2.458	1.5	20.5
10 18	0 52.17	+ 8 2.3	1.455	2.443	4.0	20.6
10 28	0 43.30	+ 7 4.4	1.478	2.427	8.9	20.9
11 7	0 36.40	+ 6 15.8	1.525	2.411	13.3	21.1
11 17	0 32.13	+ 5 41.9	1.594	2.395	17.0	21.3

184948 2005 WM_{59} 10 9.5 1°.60 6°.0/ 4.2 18

9 8	1 21.96	− 8 28.4	1.762	2.660	12.1	19.2
9 18	1 16.72	− 9 21.5	1.712	2.659	9.0	19.0
9 28	1 9.69	−10 10.1	1.687	2.659	6.5	18.9
10 8	1 1.69	−10 46.9	1.687	2.659	6.2	18.8
10 18	0 53.65	−11 6.5	1.713	2.660	8.3	19.0
10 28	0 46.58	−11 5.1	1.765	2.661	11.4	19.2
11 7	0 41.25	−10 42.3	1.839	2.663	14.3	19.4
11 17	0 38.14	− 9 59.8	1.932	2.665	16.8	19.6

516763 2009 TN_{21} 10 9.5 10°.95 12°.8/ 4.5 18

9 8	1 36.20	−26 28.3	1.410	2.267	17.0	18.9
9 18	1 26.93	−26 24.1	1.376	2.273	14.7	18.8
9 28	1 15.19	−25 51.9	1.363	2.281	13.1	18.7
10 8	1 2.39	−24 45.1	1.374	2.290	12.9	18.7
10 18	0 50.10	−23 3.0	1.408	2.301	14.1	18.9
10 28	0 39.74	−20 50.1	1.466	2.314	16.2	19.0
11 7	0 32.22	−18 15.0	1.547	2.327	18.5	19.2
11 17	0 27.87	−15 26.4	1.646	2.343	20.6	19.4

385805 2006 DO_{37} 10 9.5 154°.30 2°.5/11.9 18

9 8	1 26.72	+15 32.7	2.291	3.125	12.1	22.0
9 18	1 19.85	+15 33.7	2.221	3.134	9.1	21.8
9 28	1 11.34	+15 21.3	2.176	3.142	5.9	21.6
10 8	1 1.91	+14 57.1	2.160	3.150	2.9	21.5
10 18	0 52.40	+14 24.2	2.172	3.157	3.4	21.5
10 28	0 43.71	+13 47.3	2.215	3.163	6.5	21.7
11 7	0 36.55	+13 11.5	2.286	3.169	9.6	21.9
11 17	0 31.43	+12 41.3	2.380	3.174	12.3	22.1

140128 2001 SZ_{141} 10 9.5 305°.11 1°.4/10.8 18

9 8	1 21.51	+12 27.9	1.853	2.717	13.2	20.0
9 18	1 16.51	+12 5.7	1.777	2.710	9.8	19.8
9 28	1 9.66	+11 28.8	1.725	2.703	5.8	19.5
10 8	1 1.70	+10 40.6	1.699	2.696	1.9	19.2
10 18	0 53.54	+ 9 46.2	1.701	2.689	3.5	19.3
10 28	0 46.21	+ 8 52.1	1.731	2.683	7.6	19.6
11 7	0 40.54	+ 8 4.7	1.786	2.676	11.5	19.8
11 17	0 37.08	+ 7 29.1	1.864	2.670	14.8	20.0

326581 2002 QA_{88} 10 9.5 108°.56 2°.5/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.89	+ 0 33.3	2.395	3.282	9.8	20.5
9 18	1 14.18	− 0 28.7	2.337	3.286	6.8	20.3
9 28	1 8.19	− 1 34.0	2.306	3.291	3.9	20.2
10 8	1 1.50	− 2 37.6	2.304	3.295	2.6	20.1
10 18	0 54.78	− 3 34.2	2.331	3.300	4.8	20.2
10 28	0 48.73	− 4 19.2	2.386	3.304	7.7	20.4
11 7	0 43.92	− 4 49.6	2.466	3.308	10.5	20.6
11 17	0 40.75	− 5 4.1	2.569	3.312	12.8	20.8

243422 2009 BA_{188} 10 9.5 313°.04 3°.4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.72	+ 1 28.4	1.696	2.594	12.5	19.8
9 18	1 15.26	− 0 1.3	1.635	2.589	8.8	19.5
9 28	1 8.97	− 1 38.5	1.598	2.584	5.1	19.3
10 8	1 1.62	− 3 14.6	1.588	2.579	3.6	19.2
10 18	0 54.15	− 4 40.8	1.605	2.574	6.5	19.4
10 28	0 47.58	− 5 49.0	1.649	2.570	10.4	19.6
11 7	0 42.71	− 6 34.7	1.717	2.566	14.0	19.8
11 17	0 40.06	− 6 56.3	1.804	2.562	17.0	20.0

488091 2015 VG_{41} 10 9.5 272°.14 4°.8/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.14	− 7 15.7	2.229	3.120	10.2	21.2
9 18	1 15.91	− 8 10.5	2.168	3.113	7.6	21.0
9 28	1 9.20	− 9 2.9	2.133	3.106	5.3	20.8
10 8	1 1.65	− 9 47.2	2.126	3.099	5.0	20.8
10 18	0 54.02	−10 18.3	2.146	3.092	6.9	20.9
10 28	0 47.10	−10 32.6	2.193	3.085	9.6	21.1
11 7	0 41.58	−10 28.6	2.264	3.078	12.3	21.3
11 17	0 37.88	−10 6.7	2.356	3.072	14.6	21.4

325166 2008 FS_{46} 10 9.5 52°.98 2°.1/ 7.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.39	+ 5 1.8	1.193	2.093	16.4	20.5
9 18	1 18.82	+ 3 59.9	1.160	2.115	11.5	20.3
9 28	1 10.92	+ 2 47.9	1.148	2.136	6.1	20.0
10 8	1 1.87	+ 1 34.9	1.161	2.158	2.1	19.8
10 18	0 53.05	+ 0 30.4	1.199	2.181	6.0	20.2
10 28	0 45.76	− 0 17.3	1.261	2.203	10.9	20.5
11 7	0 40.89	− 0 43.7	1.346	2.226	15.1	20.8
11 17	0 38.84	− 0 47.9	1.450	2.249	18.6	21.1

392053 2009 BC_{142} 10 9.5 70°.38 1°.1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.31	+10 49.1	1.748	2.616	13.7	21.2
9 18	1 18.44	+10 36.4	1.690	2.626	10.0	21.0
9 28	1 10.67	+10 11.0	1.655	2.635	5.8	20.8
10 8	1 1.86	+ 9 36.2	1.647	2.645	1.6	20.5
10 18	0 53.00	+ 8 56.9	1.667	2.655	3.6	20.7
10 28	0 45.17	+ 8 19.3	1.714	2.664	7.8	21.0
11 7	0 39.18	+ 7 48.9	1.787	2.674	11.6	21.2
11 17	0 35.52	+ 7 29.7	1.882	2.684	14.8	21.4

216218 2006 US_{98} 10 9.5 104°.16 2°.7/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.24	− 0 6.4	2.124	3.008	10.9	20.6
9 18	1 17.29	− 0 53.5	2.078	3.025	7.7	20.4
9 28	1 9.88	− 1 43.0	2.058	3.041	4.4	20.3
10 8	1 1.74	− 2 29.5	2.066	3.058	2.8	20.2
10 18	0 53.67	− 3 8.2	2.103	3.073	5.1	20.4
10 28	0 46.46	− 3 34.8	2.168	3.089	8.3	20.6
11 7	0 40.78	− 3 46.9	2.259	3.104	11.2	20.8
11 17	0 37.01	− 3 43.9	2.371	3.119	13.7	21.0

286800 2002 JQ_{133} 10 9.5 72°.23 1°.7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.95	+ 1 57.3	2.138	3.018	11.1	19.5
9 18	1 17.83	+ 1 40.7	2.085	3.031	7.8	19.4
9 28	1 10.21	+ 1 20.6	2.058	3.043	4.2	19.2
10 8	1 1.79	+ 1 0.8	2.059	3.055	1.7	19.0
10 18	0 53.40	+ 0 45.1	2.089	3.068	4.2	19.2
10 28	0 45.86	+ 0 37.1	2.147	3.080	7.6	19.4
11 7	0 39.85	+ 0 39.2	2.232	3.093	10.7	19.7
11 17	0 35.78	+ 0 52.7	2.339	3.105	13.3	19.9

91759 1999 TU_{191} 10 9.5 290°.35 4°.1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.66	+20 31.7	2.176	2.999	13.1	19.3
9 18	1 16.49	+20 33.5	2.094	2.993	10.3	19.1
9 28	1 9.63	+20 17.8	2.035	2.987	7.3	18.9
10 8	1 1.73	+19 45.5	2.002	2.982	4.6	18.8
10 18	0 53.64	+18 59.4	1.997	2.976	4.4	18.8
10 28	0 46.26	+18 4.8	2.020	2.970	6.8	18.9
11 7	0 40.38	+17 8.1	2.070	2.965	9.9	19.1
11 17	0 36.54	+16 15.4	2.143	2.959	12.7	19.3

407044 2009 SM_{110} 10 9.5 53°.51 2°.3/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.08	+ 2 41.6	2.052	2.941	11.1	20.3
9 18	1 14.47	+ 1 33.8	1.999	2.949	7.7	20.1
9 28	1 8.40	+ 0 20.4	1.971	2.957	4.2	19.9
10 8	1 1.55	− 0 52.6	1.971	2.965	2.3	19.8
10 18	0 54.69	− 1 58.9	1.999	2.973	4.9	20.0
10 28	0 48.62	− 2 52.7	2.055	2.982	8.3	20.2
11 7	0 43.98	− 3 30.3	2.137	2.990	11.4	20.4
11 17	0 41.19	− 3 50.2	2.240	2.999	14.0	20.6

298011 2002 PT_{2} 10 9.5 60°.09 6°.5/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.84	+26 41.8	1.694	2.500	16.9	20.2
9 18	1 17.60	+26 38.0	1.634	2.513	13.8	20.1
9 28	1 10.28	+26 6.8	1.593	2.527	10.4	19.9
10 8	1 1.82	+25 9.0	1.577	2.541	7.5	19.8
10 18	0 53.32	+23 49.3	1.585	2.555	6.5	19.7
10 28	0 45.95	+22 15.9	1.621	2.569	8.3	19.9
11 7	0 40.59	+20 39.3	1.682	2.584	11.3	20.1
11 17	0 37.76	+19 8.8	1.766	2.598	14.3	20.3

368532 2003 WK_{91} 10 9.5 0°.43 0°.4/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.33	+10 7.7	0.933	1.846	18.7	19.5
9 18	1 13.85	+ 9 4.8	0.882	1.842	13.5	19.2
9 28	1 8.56	+ 7 38.1	0.851	1.840	7.4	18.9
10 8	1 1.61	+ 5 57.2	0.840	1.839	0.9	18.5
10 18	0 54.48	+ 4 15.8	0.852	1.840	5.8	18.8
10 28	0 48.80	+ 2 48.6	0.885	1.843	11.9	19.2
11 7	0 45.75	+ 1 46.3	0.939	1.847	17.3	19.5
11 17	0 45.89	+ 1 13.5	1.009	1.853	21.7	19.8

265200 2004 BL_{96} 10 9.5 357°.90 5°.2/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.33	+17 0.0	0.978	1.866	20.3	19.0
9 18	1 16.86	+17 26.9	0.922	1.860	15.8	18.7
9 28	1 10.33	+17 26.8	0.883	1.856	10.6	18.4
10 8	1 1.86	+17 0.3	0.864	1.854	6.0	18.2
10 18	0 53.06	+16 12.8	0.867	1.854	6.2	18.2
10 28	0 45.73	+15 14.8	0.892	1.855	10.8	18.5
11 7	0 41.25	+14 18.8	0.937	1.858	15.9	18.8
11 17	0 40.32	+13 34.6	1.000	1.863	20.4	19.1

203228 2001 FK_{132} 10 9.5 300°.30 0°.3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.43	+ 9 45.0	1.735	2.609	13.5	20.4
9 18	1 17.22	+ 9 12.9	1.666	2.606	9.7	20.1
9 28	1 10.08	+ 8 27.6	1.621	2.603	5.5	19.9
10 8	1 1.81	+ 7 33.5	1.602	2.601	0.9	19.5
10 18	0 53.39	+ 6 36.6	1.611	2.598	3.8	19.8
10 28	0 45.88	+ 5 44.0	1.647	2.595	8.2	20.0
11 7	0 40.15	+ 5 1.8	1.708	2.592	12.2	20.3
11 17	0 36.74	+ 4 34.2	1.791	2.590	15.5	20.5

241037 2006 QG_{142} 10 9.5 66°.52 1°.3/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.66	+ 6 34.0	1.693	2.577	13.3	20.3
9 18	1 17.07	+ 5 25.0	1.657	2.604	9.3	20.1
9 28	1 9.81	+ 4 6.9	1.645	2.631	4.9	19.9
10 8	1 1.75	+ 2 46.8	1.661	2.659	1.3	19.7
10 18	0 53.86	+ 1 32.2	1.705	2.686	4.6	20.0
10 28	0 47.09	+ 0 30.1	1.776	2.713	8.6	20.3
11 7	0 42.12	− 0 15.1	1.872	2.740	12.1	20.6
11 17	0 39.35	− 0 41.4	1.989	2.767	14.9	20.8

326116 2011 UU_{308} 10 9.5 141°.86 3°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.69	+20 45.0	2.390	3.207	12.2	20.5
9 18	1 16.32	+20 38.5	2.316	3.211	9.6	20.3
9 28	1 9.45	+20 15.4	2.265	3.215	6.7	20.1
10 8	1 1.72	+19 37.2	2.240	3.219	4.3	20.0
10 18	0 53.89	+18 46.9	2.245	3.223	4.0	20.0
10 28	0 46.77	+17 49.5	2.278	3.227	6.2	20.1
11 7	0 41.04	+16 51.1	2.338	3.230	9.0	20.3
11 17	0 37.17	+15 57.0	2.423	3.234	11.6	20.5

208522 2001 XY_{203} 10 9.5 261°.08 2°.9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.89	+ 2 59.6	1.316	2.214	15.4	20.4
9 18	1 19.41	+ 1 58.4	1.255	2.209	10.9	20.1
9 28	1 11.45	+ 0 47.2	1.217	2.204	6.0	19.8
10 8	1 2.01	− 0 25.3	1.203	2.199	3.0	19.6
10 18	0 52.38	− 1 29.7	1.216	2.194	6.7	19.8
10 28	0 43.96	− 2 17.2	1.253	2.188	11.6	20.1
11 7	0 37.86	− 2 42.3	1.312	2.183	16.1	20.4
11 17	0 34.68	− 2 43.6	1.390	2.177	19.8	20.6

480163 2015 FT_{298} 10 9.5 67°.74 5°.7/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.31	− 4 51.2	1.528	2.429	13.4	20.4
9 18	1 17.72	− 6 16.0	1.495	2.447	9.7	20.2
9 28	1 10.23	− 7 38.5	1.487	2.465	6.5	20.1
10 8	1 1.81	− 8 49.6	1.504	2.483	5.9	20.1
10 18	0 53.55	− 9 41.7	1.548	2.502	8.4	20.3
10 28	0 46.49	−10 10.1	1.617	2.520	11.8	20.6
11 7	0 41.42	−10 13.8	1.707	2.538	14.9	20.8
11 17	0 38.73	− 9 54.4	1.817	2.556	17.5	21.1

441793 2009 EL_{18} 10 9.5 146°.48 2°.1/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.71	+ 3 27.9	2.172	3.055	10.8	22.0
9 18	1 15.58	+ 2 11.2	2.114	3.061	7.6	21.8
9 28	1 9.01	+ 0 48.0	2.082	3.068	4.1	21.6
10 8	1 1.66	− 0 35.6	2.079	3.074	2.2	21.5
10 18	0 54.29	− 1 53.1	2.105	3.079	4.7	21.7
10 28	0 47.68	− 2 58.4	2.160	3.084	8.1	21.9
11 7	0 42.48	− 3 47.5	2.241	3.089	11.2	22.1
11 17	0 39.11	− 4 18.5	2.344	3.094	13.7	22.3

10537 1991 RY_{16} 10 9.5 142°.71 2°.7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.22	− 0 16.4	2.116	3.001	11.0	17.2
9 18	1 17.39	− 0 55.0	2.058	3.005	7.7	17.0
9 28	1 10.02	− 1 36.1	2.026	3.009	4.4	16.8
10 8	1 1.80	− 2 14.8	2.021	3.013	2.7	16.7
10 18	0 53.56	− 2 46.3	2.046	3.017	5.1	16.9
10 28	0 46.13	− 3 6.4	2.098	3.021	8.4	17.1
11 7	0 40.20	− 3 12.5	2.176	3.024	11.5	17.3
11 17	0 36.23	− 3 3.8	2.276	3.028	14.1	17.5

128383 2004 JW_{52} 10 9.6 71°.95 0°.4/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.84	+10 43.4	4.260	5.112	6.6	20.2
9 18	1 10.24	+10 13.7	4.186	5.115	4.8	20.1
9 28	1 5.94	+ 9 38.2	4.139	5.117	2.7	19.9
10 8	1 1.26	+ 8 58.8	4.121	5.119	0.7	19.7
10 18	0 56.54	+ 8 17.7	4.134	5.121	1.7	19.8
10 28	0 52.15	+ 7 37.7	4.178	5.123	3.8	20.0
11 7	0 48.41	+ 7 1.1	4.250	5.126	5.7	20.1
11 17	0 45.59	+ 6 29.9	4.348	5.128	7.4	20.3

248925 2006 VN_{156} 10 9.6 72°.43 2°.3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.20	+ 1 36.3	1.861	2.748	12.1	20.7
9 18	1 17.55	+ 0 59.1	1.804	2.753	8.5	20.5
9 28	1 10.17	+ 0 17.5	1.772	2.758	4.7	20.2
10 8	1 1.84	− 0 23.4	1.767	2.762	2.3	20.1
10 18	0 53.47	− 0 57.9	1.790	2.767	5.1	20.3
10 28	0 46.02	− 1 21.3	1.841	2.772	8.8	20.5
11 7	0 40.25	− 1 30.4	1.916	2.777	12.2	20.8
11 17	0 36.64	− 1 24.0	2.013	2.781	15.1	21.0

217612 2008 TD_{126} 10 9.6 267°.81 1°.2/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.58	+15 5.3	4.456	5.289	6.7	19.9
9 18	1 10.05	+14 38.0	4.374	5.288	5.0	19.7
9 28	1 5.84	+14 3.4	4.319	5.286	3.1	19.6
10 8	1 1.25	+13 23.1	4.293	5.284	1.4	19.5
10 18	0 56.61	+12 39.2	4.297	5.283	1.7	19.5
10 28	0 52.28	+11 54.3	4.332	5.281	3.5	19.6
11 7	0 48.59	+11 10.9	4.396	5.280	5.3	19.8
11 17	0 45.78	+10 31.4	4.486	5.278	7.0	19.9

316429 2010 TC_{159} 10 9.6 123°.00 1°.3/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.90	+ 5 6.2	1.519	2.401	14.7	21.3
9 18	1 21.84	+ 4 35.9	1.468	2.414	10.4	21.1
9 28	1 12.59	+ 3 56.7	1.441	2.426	5.6	20.9
10 8	1 2.17	+ 3 14.3	1.440	2.438	1.3	20.6
10 18	0 51.79	+ 2 35.2	1.466	2.449	4.9	20.9
10 28	0 42.70	+ 2 5.6	1.520	2.460	9.5	21.2
11 7	0 35.82	+ 1 49.9	1.598	2.471	13.6	21.5
11 17	0 31.65	+ 1 50.2	1.697	2.480	16.9	21.7

514210 2015 NU_{8} 10 9.6 156°.43 2°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.52	+15 46.4	1.971	2.818	13.3	21.1
9 18	1 17.83	+15 28.1	1.901	2.821	10.0	20.9
9 28	1 10.36	+14 53.6	1.855	2.825	6.3	20.7
10 8	1 1.88	+14 5.5	1.835	2.828	3.0	20.5
10 18	0 53.29	+13 8.4	1.844	2.830	3.5	20.5
10 28	0 45.56	+12 8.7	1.881	2.833	7.1	20.8
11 7	0 39.50	+11 13.1	1.944	2.835	10.6	21.0
11 17	0 35.60	+10 26.9	2.031	2.837	13.7	21.2

157346 2004 TB_{67} 10 9.6 336°.71 3°.4/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.59	+ 0 15.0	1.708	2.609	12.3	19.4
9 18	1 14.52	− 0 48.1	1.642	2.597	8.7	19.1
9 28	1 8.62	− 1 56.6	1.600	2.586	5.1	18.9
10 8	1 1.65	− 3 3.4	1.584	2.575	3.5	18.8
10 18	0 54.50	− 4 1.0	1.595	2.566	6.3	18.9
10 28	0 48.19	− 4 42.8	1.631	2.556	10.2	19.2
11 7	0 43.53	− 5 4.8	1.691	2.548	13.8	19.4
11 17	0 41.07	− 5 5.8	1.770	2.540	16.8	19.6

94325 2001 FW_{138} 10 9.6 300°.55 3°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.70	+19 47.6	2.163	2.993	12.9	19.4
9 18	1 15.11	+19 27.1	2.078	2.984	10.0	19.2
9 28	1 8.89	+18 48.3	2.017	2.975	6.9	19.0
10 8	1 1.69	+17 53.0	1.982	2.966	4.1	18.8
10 18	0 54.30	+16 45.2	1.975	2.958	3.9	18.8
10 28	0 47.62	+15 31.0	1.996	2.949	6.6	19.0
11 7	0 42.38	+14 17.5	2.044	2.941	9.9	19.1
11 17	0 39.10	+13 11.1	2.116	2.932	12.9	19.3

322344 2011 HU_{74} 10 9.6 241°.81 1°.7/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.00	+ 5 15.5	1.643	2.530	13.5	20.6
9 18	1 17.70	+ 4 19.5	1.577	2.526	9.5	20.3
9 28	1 10.39	+ 3 13.1	1.535	2.521	5.1	20.1
10 8	1 1.90	+ 2 2.8	1.519	2.517	1.7	19.8
10 18	0 53.25	+ 0 56.1	1.531	2.512	5.1	20.0
10 28	0 45.57	+ 0 0.9	1.569	2.507	9.5	20.3
11 7	0 39.76	− 0 37.6	1.632	2.502	13.5	20.5
11 17	0 36.36	− 0 56.5	1.716	2.497	16.8	20.8

112496 2002 PR_{10} 10 9.6 67°.13 4°.5/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.17	− 1 23.5	1.632	2.532	12.8	19.4
9 18	1 16.16	− 3 4.3	1.595	2.549	9.0	19.3
9 28	1 9.39	− 4 47.1	1.584	2.566	5.6	19.1
10 8	1 1.75	− 6 22.5	1.599	2.584	4.7	19.1
10 18	0 54.20	− 7 41.7	1.641	2.601	7.4	19.3
10 28	0 47.72	− 8 38.7	1.710	2.619	10.9	19.5
11 7	0 43.05	− 9 10.8	1.801	2.636	14.1	19.8
11 17	0 40.59	− 9 18.7	1.912	2.654	16.7	20.0

429160 2009 UY_{152} 10 9.6 49°.96 3°.9/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.89	− 0 55.6	1.267	2.168	15.6	20.4
9 18	1 20.58	− 1 31.4	1.230	2.184	11.0	20.2
9 28	1 11.93	− 2 9.3	1.215	2.200	6.3	20.0
10 8	1 2.09	− 2 41.7	1.224	2.217	3.9	19.9
10 18	0 52.43	− 3 1.8	1.259	2.234	7.1	20.2
10 28	0 44.27	− 3 4.8	1.319	2.251	11.4	20.5
11 7	0 38.53	− 2 48.8	1.401	2.269	15.4	20.8
11 17	0 35.66	− 2 14.7	1.502	2.287	18.7	21.0

100086 1992 UG_{7} 10 9.6 29°.50 0°.4/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.02	+ 7 36.4	1.060	1.962	17.9	19.3
9 18	1 18.99	+ 7 12.3	1.018	1.972	12.8	19.1
9 28	1 11.25	+ 6 33.3	0.995	1.983	7.0	18.8
10 8	1 2.02	+ 5 46.4	0.996	1.995	0.9	18.4
10 18	0 52.85	+ 5 0.0	1.020	2.007	5.3	18.8
10 28	0 45.26	+ 4 23.3	1.068	2.021	10.9	19.2
11 7	0 40.34	+ 4 2.7	1.137	2.036	15.8	19.5
11 17	0 38.58	+ 4 1.1	1.224	2.051	19.7	19.8

158593 2002 NA_{51} 10 9.6 121°.21 2°.9/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.99	− 1 50.5	2.495	3.380	9.5	20.0
9 18	1 15.62	− 2 33.8	2.442	3.388	6.7	19.8
9 28	1 9.00	− 3 18.2	2.415	3.397	4.0	19.6
10 8	1 1.71	− 3 59.1	2.416	3.405	2.9	19.6
10 18	0 54.42	− 4 32.4	2.447	3.412	4.9	19.7
10 28	0 47.81	− 4 54.5	2.506	3.420	7.6	19.9
11 7	0 42.46	− 5 3.4	2.591	3.428	10.2	20.1
11 17	0 38.73	− 4 58.5	2.698	3.435	12.4	20.3

266506 2008 EF_{41} 10 9.6 350°.19 4°.1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.17	+16 18.4	1.137	2.015	18.8	19.9
9 18	1 17.93	+16 26.1	1.074	2.009	14.4	19.6
9 28	1 10.86	+16 9.2	1.031	2.004	9.4	19.3
10 8	1 2.00	+15 29.3	1.008	2.000	4.9	19.0
10 18	0 52.82	+14 32.4	1.010	1.997	5.3	19.1
10 28	0 44.96	+13 28.6	1.034	1.995	10.1	19.3
11 7	0 39.69	+12 29.3	1.081	1.994	15.1	19.6
11 17	0 37.72	+11 43.2	1.146	1.994	19.4	19.9

453484 2009 SO_{275} 10 9.6 332°.20 1°.2/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.22	+ 5 6.8	1.825	2.712	12.3	21.4
9 18	1 15.63	+ 4 35.4	1.752	2.701	8.7	21.2
9 28	1 9.24	+ 3 55.6	1.703	2.690	4.7	20.9
10 8	1 1.76	+ 3 12.1	1.681	2.679	1.2	20.6
10 18	0 54.10	+ 2 30.6	1.686	2.669	4.4	20.9
10 28	0 47.22	+ 1 56.9	1.718	2.660	8.5	21.1
11 7	0 41.95	+ 1 35.5	1.775	2.651	12.2	21.3
11 17	0 38.84	+ 1 29.2	1.853	2.643	15.4	21.5

272844 2006 BN_{29} 10 9.6 51°.82 3°.3/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.58	+ 0 59.8	1.359	2.259	14.9	19.9
9 18	1 18.80	+ 0 7.5	1.323	2.278	10.4	19.7
9 28	1 10.91	− 0 49.0	1.311	2.297	5.8	19.5
10 8	1 1.97	− 1 42.0	1.323	2.317	3.3	19.4
10 18	0 53.20	− 2 23.9	1.362	2.338	6.5	19.6
10 28	0 45.80	− 2 48.9	1.426	2.358	10.7	19.9
11 7	0 40.60	− 2 54.1	1.512	2.379	14.5	20.2
11 17	0 38.03	− 2 39.8	1.618	2.400	17.7	20.5

490523 2009 UR_{137} 10 9.6 316°.07 4°.2/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.73	− 4 41.4	1.899	2.791	11.7	20.6
9 18	1 18.13	− 5 7.3	1.822	2.770	8.5	20.4
9 28	1 10.63	− 5 32.3	1.769	2.749	5.4	20.2
10 8	1 1.96	− 5 50.8	1.743	2.728	4.3	20.1
10 18	0 53.04	− 5 57.8	1.744	2.708	6.6	20.2
10 28	0 44.89	− 5 49.6	1.772	2.689	10.1	20.3
11 7	0 38.37	− 5 24.4	1.825	2.669	13.5	20.5
11 17	0 34.07	− 4 42.4	1.898	2.650	16.4	20.7

9845 Okamuraosamu 10 9.6 218°.70 3°.5/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.78	− 2 40.7	2.310	3.197	10.1	17.9
9 18	1 16.37	− 3 41.2	2.243	3.189	7.2	17.7
9 28	1 9.51	− 4 43.3	2.202	3.182	4.5	17.5
10 8	1 1.80	− 5 41.5	2.189	3.174	3.7	17.5
10 18	0 53.98	− 6 30.4	2.206	3.166	5.8	17.6
10 28	0 46.84	− 7 5.3	2.250	3.157	8.7	17.8
11 7	0 41.04	− 7 23.6	2.320	3.148	11.6	17.9
11 17	0 37.04	− 7 24.8	2.411	3.138	14.0	18.1

93731 2000 VT_{46} 10 9.6 305.°84 4.°9/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.39	+22 46.1	2.037	2.853	14.1	19.5
9 18	1 16.47	+22 47.8	1.954	2.845	11.3	19.3
9 28	1 9.72	+22 29.1	1.892	2.837	8.2	19.1
10 8	1 1.84	+21 50.5	1.856	2.830	5.6	19.0
10 18	0 53.74	+20 55.0	1.847	2.822	5.1	18.9
10 28	0 46.39	+19 48.4	1.865	2.815	7.3	19.0
11 7	0 40.64	+18 38.3	1.909	2.808	10.4	19.2
11 17	0 37.07	+17 32.0	1.978	2.800	13.4	19.4

145954 1999 XW_{217} 10 9.6 216.°64 0.°9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.35	+11 17.4	1.790	2.654	13.7	20.3
9 18	1 19.35	+10 48.8	1.714	2.648	10.0	20.0
9 28	1 11.32	+10 5.7	1.662	2.641	5.8	19.8
10 8	1 2.07	+ 9 11.8	1.636	2.634	1.4	19.5
10 18	0 52.60	+ 8 12.8	1.639	2.627	3.7	19.6
10 28	0 44.02	+ 7 15.8	1.670	2.618	8.1	19.9
11 7	0 37.27	+ 6 27.4	1.727	2.609	12.2	20.1
11 17	0 32.92	+ 5 52.5	1.805	2.600	15.6	20.3

518497 2005 YK_{246} 10 9.6 271.°64 0.°5/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.99	+10 36.4	2.268	3.132	11.2	21.8
9 18	1 15.21	+ 9 58.8	2.185	3.120	8.1	21.5
9 28	1 8.93	+ 9 9.7	2.127	3.107	4.6	21.3
10 8	1 1.73	+ 8 12.3	2.096	3.094	0.9	21.0
10 18	0 54.36	+ 7 11.7	2.094	3.081	3.1	21.2
10 28	0 47.62	+ 6 13.4	2.122	3.068	6.8	21.4
11 7	0 42.20	+ 5 22.9	2.176	3.055	10.2	21.6
11 17	0 38.60	+ 4 44.1	2.253	3.042	13.1	21.7

521459 2015 OO_{91} 10 9.6 1.°88 2.°3/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.18	+13 38.2	1.732	2.592	14.2	21.5
9 18	1 18.54	+13 37.4	1.663	2.591	10.6	21.2
9 28	1 10.88	+13 21.3	1.617	2.591	6.6	21.0
10 8	1 2.01	+12 52.2	1.597	2.591	2.8	20.8
10 18	0 52.97	+12 14.4	1.604	2.592	3.8	20.8
10 28	0 44.88	+11 34.0	1.639	2.592	7.8	21.1
11 7	0 38.64	+10 57.6	1.699	2.592	11.7	21.3
11 17	0 34.84	+10 30.4	1.781	2.593	15.1	21.6

10542 Ruckers 10 9.6 191.°82 0.°7/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.41	+11 18.7	1.537	2.409	15.1	18.1
9 18	1 19.57	+10 36.5	1.470	2.408	11.0	17.8
9 28	1 11.49	+ 9 37.3	1.426	2.407	6.3	17.6
10 8	1 2.09	+ 8 26.2	1.407	2.406	1.3	17.2
10 18	0 52.54	+ 7 10.6	1.416	2.404	4.1	17.4
10 28	0 44.07	+ 5 59.7	1.452	2.401	9.0	17.7
11 7	0 37.69	+ 5 1.2	1.513	2.399	13.4	18.0
11 17	0 33.98	+ 4 20.3	1.595	2.395	17.1	18.2

217224 2002 XR_5 10 9.6 273.°77 5.°8/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.02	− 7 49.6	1.921	2.816	11.4	20.1
9 18	1 16.80	− 9 1.6	1.859	2.805	8.5	19.9
9 28	1 9.85	−10 11.3	1.822	2.793	6.2	19.7
10 8	1 1.87	−11 11.1	1.812	2.782	6.1	19.7
10 18	0 53.74	−11 54.4	1.828	2.771	8.2	19.8
10 28	0 46.43	−12 16.6	1.871	2.759	11.2	20.0
11 7	0 40.72	−12 15.9	1.936	2.748	14.2	20.1
11 17	0 37.13	−11 53.3	2.020	2.736	16.7	20.3

173003 2006 OD_6 10 9.6 66.°82 6.°3/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.14	+24 25.6	1.785	2.594	16.1	19.4
9 18	1 19.94	+24 55.0	1.725	2.607	13.0	19.2
9 28	1 11.63	+25 1.4	1.685	2.621	9.8	19.1
10 8	1 2.11	+24 44.4	1.669	2.634	7.1	18.9
10 18	0 52.49	+24 6.5	1.680	2.648	6.4	18.9
10 28	0 43.94	+23 13.8	1.717	2.661	8.3	19.1
11 7	0 37.39	+22 14.8	1.780	2.675	11.2	19.3
11 17	0 33.40	+21 17.3	1.866	2.689	14.1	19.5

49758 1999 VY_{188} 10 9.6 72.°80 7.°3/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 29.05	− 8 56.2	1.324	2.223	15.2	18.4
9 18	1 21.95	− 9 56.6	1.297	2.244	11.3	18.2
9 28	1 12.61	−10 48.9	1.292	2.264	8.1	18.1
10 8	1 2.22	−11 24.2	1.311	2.285	7.5	18.1
10 18	0 52.13	−11 36.2	1.356	2.305	9.9	18.3
10 28	0 43.63	−11 22.4	1.425	2.325	13.3	18.6
11 7	0 37.56	−10 44.4	1.515	2.345	16.5	18.8
11 17	0 34.33	− 9 45.8	1.624	2.365	19.2	19.1

363662 2004 TP_{22} 10 9.6 309.°61 0.°9/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.32	+12 25.7	2.109	2.972	11.9	20.5
9 18	1 14.78	+11 40.1	2.035	2.968	8.7	20.3
9 28	1 8.69	+10 40.7	1.986	2.964	5.1	20.1
10 8	1 1.71	+ 9 31.4	1.963	2.961	1.4	19.8
10 18	0 54.61	+ 8 17.7	1.970	2.957	3.1	19.9
10 28	0 48.24	+ 7 6.4	2.005	2.954	6.9	20.2
11 7	0 43.28	+ 6 3.6	2.066	2.950	10.4	20.4
11 17	0 40.22	+ 5 13.8	2.151	2.947	13.4	20.6

154176 2002 GQ_{102} 10 9.6 76.°59 2.°3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.80	+ 2 55.0	2.183	3.068	10.7	19.7
9 18	1 14.86	+ 1 31.0	2.142	3.090	7.4	19.5
9 28	1 8.60	+ 0 2.2	2.127	3.113	4.0	19.4
10 8	1 1.69	− 1 24.9	2.141	3.135	2.4	19.3
10 18	0 54.86	− 2 44.1	2.185	3.157	4.8	19.5
10 28	0 48.83	− 3 49.6	2.258	3.179	8.0	19.7
11 7	0 44.19	− 4 38.2	2.356	3.201	10.8	20.0
11 17	0 41.29	− 5 8.4	2.476	3.222	13.2	20.2

294685 2008 AF_{114} 10 9.6 181.°79 0.°6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.51	+10 48.2	3.670	4.519	7.6	21.5
9 18	1 12.94	+10 29.1	3.593	4.520	5.5	21.4
9 28	1 7.49	+10 3.4	3.543	4.520	3.2	21.2
10 8	1 1.55	+ 9 32.9	3.522	4.519	0.9	21.1
10 18	0 55.54	+ 9 0.1	3.532	4.519	2.0	21.2
10 28	0 49.94	+ 8 27.8	3.573	4.518	4.3	21.3
11 7	0 45.15	+ 7 58.8	3.642	4.518	6.6	21.5
11 17	0 41.48	+ 7 35.3	3.737	4.517	8.5	21.6

9456 1998 FQ_{67} 10 9.6 64.°76 1.°9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.79	+ 2 57.0	1.935	2.821	11.8	17.7
9 18	1 16.49	+ 2 13.3	1.882	2.830	8.2	17.5
9 28	1 9.59	+ 1 24.1	1.854	2.840	4.5	17.3
10 8	1 1.84	+ 0 34.7	1.853	2.849	2.0	17.1
10 18	0 54.07	− 0 9.4	1.880	2.859	4.7	17.4
10 28	0 47.20	− 0 43.0	1.935	2.868	8.3	17.6
11 7	0 41.90	− 1 2.6	2.016	2.878	11.6	17.8
11 17	0 38.63	− 1 6.8	2.117	2.888	14.4	18.0

488366 2016 WY_{30} 10 9.6 290.°15 3.°2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.65	+19 26.8	1.841	2.680	14.4	21.6
9 18	1 16.17	+18 40.3	1.740	2.654	11.2	21.3
9 28	1 9.69	+17 29.4	1.662	2.627	7.5	21.0
10 8	1 1.89	+15 56.5	1.610	2.600	3.9	20.8
10 18	0 53.70	+14 7.4	1.586	2.572	4.0	20.7
10 28	0 46.23	+12 11.3	1.590	2.545	7.8	20.9
11 7	0 40.43	+10 19.0	1.621	2.517	12.0	21.1
11 17	0 36.98	+ 8 39.5	1.674	2.490	15.7	21.3

442804 2013 AJ_{28} 10 9.6 9.°34 3.°1/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.97	+ 0 55.3	1.771	2.665	12.3	20.7
9 18	1 16.09	− 0 9.8	1.714	2.666	8.6	20.5
9 28	1 9.46	− 1 20.0	1.681	2.666	4.9	20.3
10 8	1 1.83	− 2 28.5	1.674	2.667	3.2	20.2
10 18	0 54.14	− 3 28.1	1.696	2.668	5.9	20.3
10 28	0 47.34	− 4 12.5	1.744	2.668	9.7	20.6
11 7	0 42.22	− 4 38.0	1.816	2.670	13.1	20.8
11 17	0 39.27	− 4 43.6	1.908	2.671	16.0	21.0

485254 2010 VV_{162} 10 9.6 26.°44 4.°0/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.39	+20 48.3	1.951	2.781	14.1	21.3
9 18	1 15.69	+20 30.9	1.881	2.784	11.0	21.1
9 28	1 9.25	+19 53.2	1.833	2.788	7.7	20.9
10 8	1 1.81	+18 57.1	1.810	2.792	4.7	20.7
10 18	0 54.26	+17 47.2	1.815	2.796	4.3	20.7
10 28	0 47.56	+16 30.4	1.847	2.801	7.0	20.9
11 7	0 42.49	+15 14.7	1.906	2.805	10.3	21.1
11 17	0 39.55	+14 6.7	1.988	2.810	13.3	21.3

85858 1999 AJ_{26} 10 9.6 172.°94 2.°9/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.78	+ 0 38.9	1.907	2.793	12.0	19.7
9 18	1 18.69	− 0 18.5	1.848	2.796	8.4	19.4
9 28	1 10.85	− 1 20.3	1.814	2.798	4.8	19.2
10 8	1 2.03	− 2 20.3	1.807	2.800	3.0	19.1
10 18	0 53.15	− 3 12.1	1.830	2.801	5.6	19.3
10 28	0 45.19	− 3 50.0	1.880	2.802	9.3	19.5
11 7	0 38.92	− 4 11.0	1.955	2.802	12.6	19.7
11 17	0 34.82	− 4 13.8	2.051	2.801	15.4	19.9

195490 2002 GO_{150} 10 9.6 285.°73 0.°3/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.33	+ 9 39.8	4.294	5.149	6.5	20.1
9 18	1 10.64	+ 9 17.7	4.210	5.141	4.7	20.0
9 28	1 6.22	+ 8 50.2	4.154	5.133	2.6	19.8
10 8	1 1.39	+ 8 19.3	4.127	5.125	0.6	19.6
10 18	0 56.49	+ 7 46.8	4.131	5.117	1.7	19.7
10 28	0 51.90	+ 7 15.3	4.165	5.109	3.8	19.9
11 7	0 47.96	+ 6 47.0	4.227	5.102	5.8	20.0
11 17	0 44.93	+ 6 23.8	4.316	5.094	7.5	20.1

332844 2010 EW_{87} 10 9.6 174.°02 4.°7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.30	+23 27.3	2.319	3.117	13.1	21.6
9 18	1 19.01	+23 28.7	2.240	3.120	10.5	21.4
9 28	1 11.03	+23 11.4	2.184	3.122	7.7	21.2
10 8	1 2.06	+22 35.8	2.155	3.124	5.3	21.1
10 18	0 52.94	+21 44.6	2.154	3.126	4.8	21.1
10 28	0 44.60	+20 43.0	2.182	3.126	6.8	21.2
11 7	0 37.80	+19 37.7	2.237	3.126	9.5	21.4
11 17	0 33.06	+18 35.2	2.318	3.126	12.2	21.5

36091 1999 RS_{100} 10 9.6 68°.21 2°.9/12.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.60	+18 19.3	2.033	2.872	13.3	18.3
9 18	1 15.72	+17 48.9	1.967	2.880	10.1	18.1
9 28	1 9.21	+17 0.6	1.925	2.888	6.7	17.9
10 8	1 1.81	+15 57.2	1.908	2.897	3.5	17.8
10 18	0 54.37	+14 43.7	1.920	2.905	3.6	17.8
10 28	0 47.75	+13 27.1	1.960	2.914	6.7	18.0
11 7	0 42.70	+12 14.5	2.027	2.923	10.0	18.2
11 17	0 39.65	+11 11.8	2.118	2.931	13.0	18.4

466281 2013 PQ_{12} 10 9.6 28°.31 2°.2/ 7.9 16

9 8	1 19.38	+ 6 56.5	0.929	1.844	18.5	20.1
9 18	1 15.82	+ 5 31.1	0.895	1.857	12.9	19.9
9 28	1 9.54	+ 3 49.2	0.881	1.872	6.8	19.6
10 8	1 1.86	+ 2 3.8	0.890	1.887	2.2	19.4
10 18	0 54.30	+ 0 28.7	0.920	1.904	6.8	19.7
10 28	0 48.38	− 0 43.8	0.974	1.923	12.4	20.1
11 7	0 45.10	− 1 27.3	1.047	1.942	17.2	20.4
11 17	0 44.87	− 1 40.9	1.137	1.962	21.1	20.8

225707 2001 QN_{242} 10 9.6 330°.57 2°.9/11.2 18

9 8	1 24.88	+11 58.5	1.211	2.094	17.5	19.0
9 18	1 19.97	+12 29.7	1.136	2.077	13.2	18.7
9 28	1 12.12	+12 44.9	1.081	2.060	8.2	18.4
10 8	1 2.29	+12 45.1	1.050	2.045	3.5	18.1
10 18	0 51.88	+12 33.4	1.042	2.030	5.0	18.1
10 28	0 42.59	+12 16.3	1.059	2.017	10.3	18.4
11 7	0 35.82	+12 1.7	1.097	2.005	15.4	18.7
11 17	0 32.43	+11 56.3	1.154	1.993	19.8	18.9

227423 2005 VC_{42} 10 9.6 290°.01 7°.9/ 3.3 18

9 8	1 25.75	−11 2.0	1.522	2.419	13.7	19.7
9 18	1 19.85	−12 8.8	1.465	2.408	10.6	19.5
9 28	1 11.69	−13 8.8	1.431	2.397	8.3	19.3
10 8	1 2.20	−13 52.7	1.421	2.385	8.2	19.3
10 18	0 52.54	−14 12.9	1.437	2.374	10.5	19.4
10 28	0 43.99	−14 5.3	1.477	2.363	13.8	19.6
11 7	0 37.54	−13 30.1	1.537	2.353	17.0	19.8
11 17	0 33.78	−12 30.4	1.616	2.342	19.9	20.0

180185 2003 OO_{11} 10 9.6 59°.06 5°.8/ 3.9 17

9 8	1 20.19	+ 5 32.3	0.969	1.884	17.9	18.8
9 18	1 16.40	+ 1 45.8	0.929	1.893	12.3	18.6
9 28	1 9.89	− 2 20.5	0.913	1.902	7.1	18.3
10 8	1 1.93	− 6 21.3	0.923	1.911	6.4	18.3
10 18	0 54.03	− 9 51.2	0.958	1.920	11.0	18.6
10 28	0 47.71	−12 32.2	1.018	1.930	16.2	18.9
11 7	0 44.00	−14 18.6	1.096	1.939	20.6	19.3
11 17	0 43.36	−15 13.9	1.190	1.949	24.0	19.6

435517 2008 JO_{10} 10 9.6 279°.19 3°.3/ 6.9 18

9 8	1 23.73	+ 1 45.2	1.445	2.343	14.3	21.6
9 18	1 18.53	+ 0 42.0	1.379	2.333	10.1	21.3
9 28	1 11.02	− 0 29.5	1.336	2.322	5.7	21.0
10 8	1 2.11	− 1 41.0	1.318	2.312	3.3	20.8
10 18	0 52.97	− 2 43.7	1.327	2.302	6.7	21.0
10 28	0 44.88	− 3 29.5	1.361	2.292	11.3	21.3
11 7	0 38.88	− 3 53.4	1.418	2.282	15.5	21.5
11 17	0 35.58	− 3 53.9	1.493	2.272	19.0	21.7

358880 2008 FK_{137} 10 9.6 87°.85 2°.3/ 6.9 18

9 8	1 21.17	+ 1 43.4	2.199	3.084	10.6	20.9
9 18	1 15.86	+ 0 45.2	2.154	3.102	7.4	20.8
9 28	1 9.19	− 0 16.8	2.136	3.121	4.1	20.6
10 8	1 1.83	− 1 17.2	2.145	3.139	2.3	20.5
10 18	0 54.53	− 2 10.7	2.184	3.157	4.7	20.7
10 28	0 48.04	− 2 52.5	2.251	3.175	7.8	20.9
11 7	0 42.96	− 3 19.7	2.343	3.192	10.7	21.1
11 17	0 39.66	− 3 31.4	2.458	3.210	13.1	21.4

5244 Amphilochos 10 9.6 34°.91 0°.4/10.4 18 R

9 8	1 14.21	+10 27.1	4.199	5.052	6.7	17.6
9 18	1 10.56	+10 0.8	4.124	5.053	4.8	17.5
9 28	1 6.19	+ 9 28.8	4.076	5.054	2.8	17.4
10 8	1 1.42	+ 8 53.0	4.058	5.055	0.7	17.2
10 18	0 56.61	+ 8 15.6	4.070	5.057	1.7	17.3
10 28	0 52.14	+ 7 39.1	4.112	5.058	3.8	17.4
11 7	0 48.32	+ 7 5.9	4.184	5.060	5.8	17.6
11 17	0 45.44	+ 6 38.2	4.281	5.061	7.5	17.7

245746 2006 DL_{143} 10 9.6 64°.96 1°.7/ 8.4 17

9 8	1 26.33	+ 6 12.6	1.137	2.035	17.3	20.4
9 18	1 20.39	+ 5 14.3	1.102	2.055	12.1	20.2
9 28	1 11.93	+ 4 3.5	1.087	2.075	6.5	20.0
10 8	1 2.21	+ 2 49.3	1.097	2.095	1.7	19.7
10 18	0 52.70	+ 1 41.9	1.131	2.115	5.9	20.1
10 28	0 44.83	+ 0 50.3	1.190	2.135	11.1	20.4
11 7	0 39.54	+ 0 19.9	1.271	2.155	15.6	20.7
11 17	0 37.27	+ 0 12.1	1.371	2.175	19.2	21.0

281699 2008 WX_{66} 10 9.6 16°.23 0°.8/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.92	+ 7 14.2	1.215	2.115	16.2	19.7
9 18	1 16.64	+ 6 34.7	1.166	2.120	11.5	19.5
9 28	1 9.96	+ 5 41.5	1.139	2.126	6.2	19.2
10 8	1 1.96	+ 4 41.6	1.135	2.133	1.0	18.9
10 18	0 53.91	+ 3 43.8	1.155	2.142	5.1	19.2
10 28	0 47.16	+ 2 56.8	1.200	2.151	10.3	19.5
11 7	0 42.70	+ 2 27.1	1.267	2.161	14.9	19.8
11 17	0 41.04	+ 2 17.5	1.354	2.172	18.6	20.1

69710 1998 HR_{88} 10 9.6 248°.97 0°.9/10.4 18

9 8	1 24.63	+11 35.3	1.522	2.395	15.2	19.4
9 18	1 19.15	+11 1.2	1.449	2.387	11.1	19.2
9 28	1 11.37	+10 9.8	1.398	2.379	6.4	18.9
10 8	1 2.17	+ 9 5.4	1.372	2.370	1.6	18.6
10 18	0 52.70	+ 7 55.0	1.374	2.362	4.1	18.7
10 28	0 44.25	+ 6 47.6	1.402	2.353	9.1	19.0
11 7	0 37.87	+ 5 51.2	1.454	2.344	13.6	19.2
11 17	0 34.19	+ 5 11.4	1.528	2.334	17.4	19.5

119877 2002 CF_{202} 10 9.6 337°.04 0°.8/ 8.9 18

9 8	1 21.81	+ 5 59.5	1.930	2.811	12.1	19.5
9 18	1 16.66	+ 5 31.0	1.863	2.808	8.6	19.3
9 28	1 9.80	+ 4 54.2	1.820	2.805	4.7	19.0
10 8	1 1.94	+ 4 13.3	1.804	2.802	0.9	18.8
10 18	0 53.96	+ 3 33.6	1.816	2.800	4.0	19.0
10 28	0 46.79	+ 3 0.3	1.856	2.798	7.9	19.2
11 7	0 41.20	+ 2 37.8	1.921	2.796	11.5	19.5
11 17	0 37.69	+ 2 28.9	2.008	2.794	14.5	19.7

4252 Godwin 10 9.6 142°.62 3°.4/ 5.8 18 R

9 8	1 21.76	− 0 1.3	2.051	2.939	11.1	17.3
9 18	1 16.43	− 1 26.6	1.998	2.947	7.8	17.1
9 28	1 9.57	− 2 55.7	1.972	2.955	4.6	16.9
10 8	1 1.90	− 4 21.4	1.974	2.963	3.5	16.9
10 18	0 54.22	− 5 36.9	2.005	2.969	5.9	17.0
10 28	0 47.37	− 6 36.2	2.064	2.976	9.1	17.3
11 7	0 42.02	− 7 16.1	2.148	2.982	12.1	17.5
11 17	0 38.61	− 7 35.8	2.253	2.988	14.7	17.7

441297 2007 YL_{40} 10 9.6 20°.56 2°.2/ 7.9 15

9 8	1 24.12	+ 1 59.4	1.696	2.586	13.0	21.5
9 18	1 18.42	+ 1 33.5	1.638	2.588	9.2	21.2
9 28	1 10.79	+ 1 2.7	1.604	2.590	5.0	21.0
10 8	1 2.09	+ 0 32.1	1.597	2.593	2.2	20.8
10 18	0 53.31	+ 0 7.1	1.617	2.596	5.1	21.0
10 28	0 45.53	− 0 7.4	1.663	2.599	9.2	21.3
11 7	0 39.59	− 0 8.0	1.734	2.603	12.9	21.5
11 17	0 36.01	+ 0 6.5	1.826	2.606	16.0	21.8

260424 2004 XQ_{81} 10 9.6 295°.53 3°.0/ 6.4 18

9 8	1 20.44	− 0 36.3	2.154	3.043	10.6	20.0
9 18	1 15.59	− 1 24.8	2.081	3.030	7.5	19.7
9 28	1 9.19	− 2 16.5	2.033	3.017	4.4	19.5
10 8	1 1.87	− 3 6.3	2.013	3.004	3.0	19.4
10 18	0 54.39	− 3 48.7	2.021	2.991	5.4	19.5
10 28	0 47.57	− 4 18.8	2.057	2.978	8.7	19.7
11 7	0 42.14	− 4 33.6	2.118	2.965	11.8	19.9
11 17	0 38.58	− 4 31.8	2.200	2.952	14.5	20.1

356270 2009 WJ_{107} 10 9.6 292°.62 0°.5/10.6 18

9 8	1 13.97	+10 56.9	4.401	5.252	6.4	21.1
9 18	1 10.38	+10 31.7	4.324	5.251	4.7	21.0
9 28	1 6.10	+10 0.8	4.274	5.251	2.7	20.8
10 8	1 1.43	+ 9 26.0	4.253	5.250	0.7	20.7
10 18	0 56.72	+ 8 49.4	4.263	5.250	1.6	20.8
10 28	0 52.33	+ 8 13.4	4.303	5.250	3.7	20.9
11 7	0 48.56	+ 7 40.4	4.373	5.249	5.5	21.1
11 17	0 45.68	+ 7 12.2	4.468	5.249	7.2	21.2

461167 2015 TF_{184} 10 9.6 178°.12 3°.8/ 4.9 18

9 8	1 20.80	− 5 22.4	2.552	3.438	9.3	21.1
9 18	1 15.55	− 6 13.6	2.495	3.439	6.7	21.0
9 28	1 9.05	− 7 3.7	2.464	3.440	4.5	20.8
10 8	1 1.85	− 7 47.9	2.461	3.440	4.0	20.8
10 18	0 54.61	− 8 21.8	2.488	3.440	5.7	20.9
10 28	0 48.01	− 8 42.1	2.542	3.440	8.3	21.1
11 7	0 42.63	− 8 47.2	2.622	3.440	10.7	21.3
11 17	0 38.85	− 8 36.9	2.723	3.439	12.8	21.4

13231 Blondelet 10 9.6 319°.20 0°.1/ 9.5 18

9 8	1 19.83	+ 8 10.9	2.047	2.923	11.7	18.3
9 18	1 15.27	+ 7 41.6	1.968	2.910	8.4	18.1
9 28	1 9.06	+ 7 2.1	1.914	2.897	4.7	17.8
10 8	1 1.87	+ 6 16.3	1.886	2.885	0.6	17.5
10 18	0 54.47	+ 5 28.9	1.886	2.873	3.5	17.7
10 28	0 47.76	+ 4 45.8	1.915	2.861	7.4	17.9
11 7	0 42.49	+ 4 11.8	1.969	2.849	11.0	18.1
11 17	0 39.18	+ 3 50.4	2.045	2.838	14.1	18.3

261606 2005 XL_{87} 10 9.6 339°.92 5°.9/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.97	− 8 49.2	1.832	2.727	11.9	19.6
9 18	1 17.52	− 9 36.0	1.776	2.721	8.9	19.4
9 28	1 10.28	−10 18.2	1.745	2.716	6.5	19.3
10 8	1 2.03	−10 49.0	1.740	2.712	6.1	19.2
10 18	0 53.70	−11 3.0	1.761	2.707	8.2	19.4
10 28	0 46.29	−10 56.9	1.807	2.703	11.2	19.5
11 7	0 40.58	−10 30.1	1.877	2.700	14.1	19.7
11 17	0 37.07	− 9 44.1	1.966	2.697	16.6	19.9

347513 1999 RA_{226} 10 9.6 17°.94 11°.1/18.5 18

9 8	1 24.68	+30 28.3	1.273	2.078	21.5	19.5
9 18	1 19.80	+31 43.4	1.218	2.085	18.3	19.3
9 28	1 11.96	+32 24.6	1.180	2.093	15.1	19.1
10 8	1 2.29	+32 27.6	1.161	2.103	12.3	19.0
10 18	0 52.32	+31 52.8	1.164	2.113	11.1	18.9
10 28	0 43.78	+30 47.7	1.190	2.125	12.1	19.0
11 7	0 38.00	+29 25.1	1.237	2.138	14.5	19.2
11 17	0 35.65	+27 58.1	1.304	2.152	17.4	19.5

299605 2006 HO_{76} 10 9.6 67°.89 8°.5/ 2.3 18

9 8	1 25.51	−14 20.5	1.627	2.519	13.3	19.9
9 18	1 19.20	−15 39.8	1.607	2.541	10.5	19.8
9 28	1 11.07	−16 46.5	1.610	2.564	8.7	19.8
10 8	1 2.12	−17 32.3	1.639	2.586	8.9	19.8
10 18	0 53.41	−17 52.0	1.692	2.609	10.7	20.0
10 28	0 45.97	−17 44.1	1.770	2.631	13.2	20.2
11 7	0 40.53	−17 10.5	1.868	2.653	15.6	20.4
11 17	0 37.45	−16 15.2	1.984	2.675	17.6	20.6

114052 2002 VA_{19} 10 9.6 84°.99 1°.3/ 8.4 18

9 8	1 23.20	+ 5 4.5	1.849	2.731	12.4	20.0
9 18	1 17.59	+ 4 24.9	1.796	2.742	8.8	19.8
9 28	1 10.26	+ 3 37.7	1.767	2.753	4.7	19.5
10 8	1 2.03	+ 2 48.0	1.765	2.763	1.3	19.3
10 18	0 53.79	+ 2 1.6	1.792	2.774	4.3	19.6
10 28	0 46.50	+ 1 24.1	1.846	2.784	8.3	19.8
11 7	0 40.90	+ 0 59.6	1.925	2.795	11.8	20.1
11 17	0 37.45	+ 0 50.1	2.026	2.805	14.7	20.3

96115 5139 $T\text{-}_{2}$ 10 9.6 60°.61 3°.8/13.2 18

9 8	1 23.81	+18 38.4	2.025	2.858	13.5	19.3
9 18	1 18.07	+18 48.9	1.960	2.866	10.5	19.1
9 28	1 10.58	+18 42.6	1.917	2.875	7.2	18.9
10 8	1 2.08	+18 20.8	1.901	2.884	4.3	18.8
10 18	0 53.48	+17 46.4	1.912	2.893	4.2	18.8
10 28	0 45.75	+17 4.7	1.951	2.902	6.9	19.0
11 7	0 39.66	+16 21.9	2.017	2.911	10.1	19.2
11 17	0 35.73	+15 43.6	2.106	2.921	13.0	19.4

515007 2009 QU_{65} 10 9.6 61°.57 0°.8/ 8.8 18

9 8	1 20.22	+ 7 0.6	2.043	2.921	11.6	21.4
9 18	1 15.37	+ 6 11.1	1.986	2.930	8.2	21.2
9 28	1 9.02	+ 5 12.6	1.955	2.940	4.4	21.0
10 8	1 1.86	+ 4 10.2	1.951	2.949	0.8	20.7
10 18	0 54.68	+ 3 9.6	1.975	2.959	3.8	21.0
10 28	0 48.31	+ 2 16.6	2.028	2.969	7.5	21.2
11 7	0 43.41	+ 1 35.9	2.107	2.978	10.8	21.5
11 17	0 40.40	+ 1 9.9	2.208	2.988	13.6	21.7

77606 2001 KQ_{30} 10 9.6 92°.01 1°.2/10.9 18

9 8	1 20.30	+12 43.9	2.385	3.239	11.0	19.8
9 18	1 15.29	+12 14.2	2.321	3.248	8.1	19.7
9 28	1 8.94	+11 33.0	2.282	3.258	4.8	19.5
10 8	1 1.85	+10 43.5	2.271	3.268	1.6	19.3
10 18	0 54.72	+ 9 49.8	2.290	3.277	2.8	19.4
10 28	0 48.30	+ 8 57.1	2.337	3.287	6.1	19.6
11 7	0 43.18	+ 8 10.1	2.412	3.296	9.1	19.8
11 17	0 39.77	+ 7 32.6	2.511	3.305	11.7	20.0

19308 1996 TO_{66} 10 9.6 139°.55 0°.3/15.3 16

9 8	1 2.95	+21 12.6	46.756	47.540	0.8	21.7
9 18	1 2.29	+21 11.1	46.671	47.542	0.6	21.6
9 28	1 1.57	+21 8.7	46.612	47.544	0.4	21.6
10 8	1 0.82	+21 5.6	46.581	47.545	0.3	21.6
10 18	1 0.07	+21 2.0	46.579	47.547	0.3	21.6
10 28	0 59.34	+20 57.9	46.606	47.549	0.4	21.6
11 7	0 58.66	+20 53.5	46.662	47.551	0.5	21.6
11 17	0 58.06	+20 49.0	46.745	47.552	0.7	21.7

401263 2012 BD_{112} 10 9.6 336°.57 3°.8/13.1 18

9 8	1 22.70	+18 16.1	1.919	2.758	13.9	20.2
9 18	1 17.47	+18 26.1	1.842	2.753	10.8	20.0
9 28	1 10.35	+18 18.7	1.788	2.749	7.4	19.8
10 8	1 2.06	+17 55.0	1.760	2.745	4.4	19.6
10 18	0 53.56	+17 18.0	1.758	2.741	4.4	19.6
10 28	0 45.86	+16 33.3	1.785	2.737	7.3	19.8
11 7	0 39.84	+15 47.4	1.837	2.734	10.8	20.0
11 17	0 36.08	+15 6.6	1.912	2.731	13.9	20.2

513346 2007 RV_{319} 10 9.6 24°.27 2°.8/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 24.90	+13 14.9	1.329	2.203	16.8	20.5
9 18	1 19.42	+13 31.7	1.277	2.212	12.5	20.3
9 28	1 11.51	+13 30.9	1.245	2.222	7.8	20.1
10 8	1 2.22	+13 14.8	1.238	2.232	3.4	19.8
10 18	0 52.86	+12 48.0	1.256	2.244	4.5	19.9
10 28	0 44.79	+12 17.6	1.299	2.256	9.0	20.2
11 7	0 39.07	+11 51.1	1.366	2.269	13.3	20.5
11 17	0 36.24	+11 34.1	1.453	2.282	17.0	20.8

278209 2007 ES_{37} 10 9.6 251°.92 1°.2/ 8.4 18

9 8	1 21.86	+ 7 43.7	1.661	2.544	13.6	21.0
9 18	1 16.98	+ 6 26.8	1.588	2.535	9.6	20.8
9 28	1 10.11	+ 4 55.3	1.540	2.526	5.2	20.5
10 8	1 2.03	+ 3 16.3	1.518	2.516	1.3	20.2
10 18	0 53.76	+ 1 38.7	1.524	2.507	4.9	20.4
10 28	0 46.39	+ 0 12.2	1.558	2.497	9.5	20.7
11 7	0 40.82	− 0 56.1	1.616	2.487	13.6	20.9
11 17	0 37.63	− 1 42.2	1.695	2.477	17.0	21.1

391870 2008 TO_{92} 10 9.6 350°.61 0°.6/ 8.5 18

9 8	1 13.69	+ 5 55.8	3.920	4.791	6.7	20.1
9 18	1 10.25	+ 5 10.2	3.848	4.789	4.7	19.9
9 28	1 6.06	+ 4 20.0	3.803	4.788	2.5	19.8
10 8	1 1.45	+ 3 28.0	3.788	4.786	0.6	19.6
10 18	0 56.80	+ 2 36.9	3.804	4.785	2.3	19.8
10 28	0 52.49	+ 1 49.9	3.850	4.784	4.5	19.9
11 7	0 48.88	+ 1 9.3	3.923	4.783	6.5	20.1
11 17	0 46.24	+ 0 37.2	4.022	4.782	8.3	20.2

51171 2000 HW_{66} 10 9.6 3°.97 7°.4/ 4.3 18

9 8	1 21.70	− 8 29.3	1.262	2.174	14.9	16.7
9 18	1 17.13	− 9 27.3	1.219	2.173	11.1	16.5
9 28	1 10.23	−10 19.1	1.197	2.173	8.1	16.3
10 8	1 2.04	−10 55.1	1.199	2.175	7.7	16.3
10 18	0 53.84	−11 8.0	1.225	2.178	10.2	16.5
10 28	0 46.93	−10 53.9	1.273	2.182	13.8	16.7
11 7	0 42.27	−10 13.2	1.341	2.188	17.3	17.0
11 17	0 40.35	− 9 9.2	1.427	2.195	20.3	17.2

291002 2005 XG_{88} 10 9.6 281°.89 1°.0/ 8.6 18

9 8	1 20.72	+ 5 50.3	2.152	3.030	11.1	21.2
9 18	1 15.83	+ 5 10.9	2.073	3.017	7.9	20.9
9 28	1 9.36	+ 4 23.1	2.019	3.004	4.3	20.7
10 8	1 1.93	+ 3 31.2	1.993	2.991	1.0	20.4
10 18	0 54.32	+ 2 40.5	1.996	2.978	3.9	20.6
10 28	0 47.37	+ 1 56.3	2.027	2.966	7.6	20.8
11 7	0 41.81	+ 1 23.3	2.083	2.953	11.0	21.0
11 17	0 38.15	+ 1 4.2	2.163	2.940	13.9	21.2

6156 Dall 10 9.6 286°.40 4°.7/14.5 18

9 8	1 22.42	+22 18.0	2.154	2.968	13.5	17.2
9 18	1 17.17	+22 26.4	2.071	2.961	10.8	17.0
9 28	1 10.15	+22 16.2	2.010	2.954	7.9	16.8
10 8	1 2.05	+21 47.7	1.974	2.947	5.4	16.7
10 18	0 53.71	+21 3.3	1.966	2.940	4.9	16.6
10 28	0 46.09	+20 8.2	1.985	2.934	7.0	16.7
11 7	0 40.01	+19 9.1	2.032	2.927	10.0	16.9
11 17	0 36.02	+18 12.5	2.102	2.920	12.9	17.1

381160 2007 GH_{71} 10 9.6 176°.66 3°.4/ 6.2 18

9 8	1 24.77	− 0 56.0	1.975	2.861	11.6	21.8
9 18	1 18.68	− 1 57.3	1.916	2.863	8.2	21.6
9 28	1 10.88	− 3 1.6	1.882	2.865	4.9	21.4
10 8	1 2.14	− 4 2.5	1.877	2.866	3.5	21.3
10 18	0 53.34	− 4 53.7	1.900	2.866	6.0	21.4
10 28	0 45.42	− 5 30.0	1.951	2.866	9.4	21.7
11 7	0 39.13	− 5 48.5	2.026	2.865	12.6	21.9
11 17	0 34.95	− 5 48.6	2.123	2.864	15.3	22.1

245849 2006 KJ_{108} 10 9.6 38°.61 1°.9/10.9 18

9 8	1 24.93	+12 32.1	0.971	1.865	19.8	19.7
9 18	1 19.78	+12 15.8	0.936	1.883	14.5	19.4
9 28	1 11.76	+11 37.0	0.919	1.902	8.5	19.2
10 8	1 2.26	+10 41.9	0.925	1.922	2.7	18.9
10 18	0 52.93	+ 9 39.8	0.953	1.943	4.9	19.2
10 28	0 45.40	+ 8 42.1	1.005	1.964	10.5	19.5
11 7	0 40.74	+ 7 58.0	1.078	1.987	15.5	19.9
11 17	0 39.39	+ 7 32.6	1.169	2.010	19.6	20.2

483898 2006 AS_{41} 10 9.6 228°.30 5°.0/16.4 17

9 8	1 22.31	+27 36.8	2.966	3.729	11.3	22.1
9 18	1 16.76	+27 41.7	2.867	3.717	9.4	22.0
9 28	1 9.81	+27 29.7	2.792	3.705	7.4	21.8
10 8	1 2.00	+27 0.6	2.743	3.692	5.6	21.7
10 18	0 53.99	+26 15.8	2.722	3.679	5.0	21.6
10 28	0 46.49	+25 19.0	2.730	3.665	6.1	21.7
11 7	0 40.17	+24 15.2	2.767	3.650	8.1	21.8
11 17	0 35.49	+23 10.0	2.829	3.636	10.2	21.9

49420 1998 XK_{74} 10 9.6 341°.06 8°.2/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 25.79	−12 44.3	1.479	2.375	14.1	17.7
9 18	1 19.90	−13 28.0	1.426	2.367	11.0	17.5
9 28	1 11.74	−14 1.6	1.395	2.359	8.7	17.4
10 8	1 2.28	−14 16.6	1.388	2.351	8.4	17.4
10 18	0 52.73	−14 7.3	1.406	2.345	10.6	17.5
10 28	0 44.37	−13 31.0	1.448	2.339	13.7	17.6
11 7	0 38.16	−12 29.4	1.511	2.334	16.9	17.8
11 17	0 34.68	−11 6.3	1.593	2.329	19.7	18.0

97211 1999 XY_{36} 10 9.6 305°.59 3°.4/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.38	− 2 13.9	1.662	2.550	13.3	18.4
9 18	1 21.61	− 2 23.6	1.596	2.543	9.5	18.2
9 28	1 12.66	− 2 33.4	1.553	2.536	5.6	17.9
10 8	1 2.42	− 2 38.4	1.537	2.529	3.4	17.8
10 18	0 52.00	− 2 34.1	1.549	2.523	6.1	17.9
10 28	0 42.61	− 2 17.0	1.588	2.516	10.2	18.2
11 7	0 35.23	− 1 45.3	1.651	2.510	14.0	18.4
11 17	0 30.44	− 0 59.3	1.735	2.504	17.2	18.6

225225 Ninagrunewald 10 9.6 331°.09 6°.9/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.11	+30 4.3	2.311	3.074	14.2	20.2
9 18	1 16.95	+30 25.5	2.228	3.072	12.0	20.0
9 28	1 10.04	+30 25.0	2.166	3.069	9.7	19.8
10 8	1 2.06	+30 1.7	2.128	3.066	7.7	19.7
10 18	0 53.87	+29 16.9	2.116	3.064	6.9	19.7
10 28	0 46.40	+28 15.2	2.131	3.062	7.8	19.7
11 7	0 40.46	+27 3.3	2.172	3.060	9.8	19.9
11 17	0 36.61	+25 48.8	2.237	3.058	12.1	20.0

52195 2061 $T\text{-}_3$ 10 9.6 55°.86 1°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.26	+13 37.1	1.192	2.072	18.0	19.2
9 18	1 19.60	+12 55.3	1.156	2.096	13.1	19.0
9 28	1 11.53	+11 52.3	1.140	2.120	7.7	18.8
10 8	1 2.26	+10 35.0	1.148	2.145	2.4	18.5
10 18	0 53.20	+ 9 12.9	1.181	2.170	4.4	18.7
10 28	0 45.72	+ 7 56.9	1.239	2.195	9.5	19.1
11 7	0 40.73	+ 6 55.6	1.321	2.220	14.0	19.4
11 17	0 38.65	+ 6 14.0	1.423	2.245	17.6	19.7

365326 2009 SY_{137} 10 9.6 48°.76 0°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.56	+ 7 46.4	1.957	2.831	12.2	20.6
9 18	1 17.09	+ 7 28.4	1.904	2.844	8.7	20.4
9 28	1 10.01	+ 7 1.3	1.874	2.858	4.8	20.2
10 8	1 2.06	+ 6 29.1	1.872	2.871	0.7	19.9
10 18	0 54.11	+ 5 56.2	1.899	2.885	3.5	20.1
10 28	0 47.05	+ 5 27.6	1.953	2.899	7.3	20.4
11 7	0 41.59	+ 5 7.4	2.033	2.913	10.7	20.6
11 17	0 38.17	+ 4 58.4	2.135	2.927	13.6	20.9

444537 2006 SF_{199} 10 9.6 54°.18 0°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.50	+ 9 20.2	1.792	2.668	13.1	21.4
9 18	1 16.52	+ 8 36.3	1.732	2.674	9.4	21.1
9 28	1 9.77	+ 7 40.0	1.696	2.679	5.2	20.9
10 8	1 2.03	+ 6 36.4	1.687	2.685	0.7	20.6
10 18	0 54.24	+ 5 31.9	1.705	2.691	3.7	20.9
10 28	0 47.36	+ 4 33.4	1.751	2.698	8.0	21.1
11 7	0 42.18	+ 3 46.8	1.822	2.704	11.7	21.4
11 17	0 39.17	+ 3 15.6	1.915	2.710	14.8	21.6

428555 2008 CR_{74} 10 9.6 290°.77 4°.3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.21	− 1 11.3	1.343	2.244	15.0	21.0
9 18	1 20.52	− 1 57.5	1.278	2.231	10.8	20.8
9 28	1 12.26	− 2 47.9	1.234	2.219	6.4	20.5
10 8	1 2.42	− 3 34.2	1.215	2.207	4.3	20.3
10 18	0 52.28	− 4 8.3	1.222	2.195	7.6	20.5
10 28	0 43.28	− 4 23.4	1.254	2.183	12.2	20.7
11 7	0 36.59	− 4 16.2	1.307	2.171	16.6	21.0
11 17	0 32.87	− 3 46.6	1.378	2.159	20.3	21.2

431370 2007 ES_1 10 9.6 103°.17 0°.9/10.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.00	+11 20.9	1.698	2.564	14.2	21.9
9 18	1 19.72	+10 52.0	1.646	2.580	10.3	21.7
9 28	1 11.51	+10 9.0	1.617	2.596	5.9	21.5
10 8	1 2.29	+ 9 16.2	1.614	2.612	1.5	21.2
10 18	0 53.09	+ 8 19.8	1.640	2.627	3.6	21.4
10 28	0 45.02	+ 7 26.7	1.693	2.642	8.0	21.7
11 7	0 38.88	+ 6 43.1	1.772	2.657	11.8	22.0
11 17	0 35.14	+ 6 13.1	1.873	2.671	15.0	22.2

386396 2008 UB_{167} 10 9.6 204°.73 0°.4/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.46	+10 56.8	1.771	2.641	13.5	21.2
9 18	1 17.30	+10 10.2	1.702	2.640	9.8	21.0
9 28	1 10.26	+ 9 8.8	1.657	2.639	5.5	20.8
10 8	1 2.12	+ 7 57.6	1.639	2.638	1.0	20.4
10 18	0 53.86	+ 6 43.1	1.649	2.636	3.7	20.6
10 28	0 46.50	+ 5 33.3	1.686	2.634	8.1	20.9
11 7	0 40.88	+ 4 34.9	1.749	2.633	12.0	21.1
11 17	0 37.53	+ 3 52.5	1.834	2.631	15.3	21.4

307129 2002 CR_{155} 10 9.6 259°.65 4°.7/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 24.50	+21 45.2	2.266	3.076	13.0	20.5
9 18	1 18.66	+22 4.6	2.175	3.064	10.4	20.3
9 28	1 11.03	+22 7.2	2.108	3.052	7.6	20.1
10 8	1 2.24	+21 52.7	2.067	3.039	5.2	19.9
10 18	0 53.15	+21 22.7	2.053	3.027	4.9	19.9
10 28	0 44.71	+20 41.6	2.068	3.014	7.0	20.0
11 7	0 37.75	+19 55.3	2.110	3.001	9.9	20.2
11 17	0 32.88	+19 9.9	2.176	2.988	12.7	20.3

63259 2001 BS_{81} 10 9.6 188°.03 0°.1/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.66	+ 8 12.3	4.481	5.339	6.2	20.5
9 18	1 10.88	+ 7 52.1	4.406	5.339	4.4	20.3
9 28	1 6.41	+ 7 27.5	4.358	5.339	2.4	20.2
10 8	1 1.58	+ 7 0.2	4.340	5.339	0.4	20.0
10 18	0 56.69	+ 6 32.2	4.352	5.338	1.7	20.1
10 28	0 52.11	+ 6 5.7	4.395	5.338	3.7	20.3
11 7	0 48.15	+ 5 42.7	4.467	5.337	5.6	20.4
11 17	0 45.07	+ 5 24.8	4.564	5.337	7.2	20.6

23058 1999 XP_{45} 10 9.6 56°.35 4°.5/14.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.62	+23 26.2	2.090	2.902	13.9	18.2
9 18	1 15.81	+23 7.4	2.021	2.910	11.1	18.0
9 28	1 9.36	+22 27.5	1.973	2.918	8.0	17.9
10 8	1 2.00	+21 28.4	1.952	2.926	5.3	17.7
10 18	0 54.56	+20 14.0	1.957	2.934	4.7	17.7
10 28	0 47.95	+18 51.2	1.991	2.942	6.8	17.8
11 7	0 42.90	+17 27.7	2.052	2.951	9.7	18.0
11 17	0 39.88	+16 10.5	2.137	2.959	12.5	18.2

4736 Johnwood 10 9.6 336°.57 25°.5/26.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.60	+46 50.7	1.028	1.747	30.5	16.2
9 18	1 29.09	+50 34.6	0.971	1.735	29.1	16.0
9 28	1 18.89	+53 38.6	0.925	1.724	27.7	15.8
10 8	1 3.58	+55 45.0	0.892	1.715	26.5	15.7
10 18	0 45.55	+56 38.9	0.870	1.707	25.7	15.6
10 28	0 28.91	+56 17.2	0.861	1.700	25.5	15.6
11 7	0 17.52	+54 51.8	0.865	1.694	25.9	15.6
11 17	0 13.36	+52 42.8	0.880	1.690	26.9	15.7

64636 2001 XR_{50} 10 9.6 327°.25 2°.2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.66	+ 5 26.6	1.301	2.203	15.2	18.2
9 18	1 15.87	+ 4 17.0	1.233	2.189	10.8	17.9
9 28	1 9.71	+ 2 52.8	1.187	2.175	5.9	17.6
10 8	1 2.07	+ 1 22.6	1.165	2.163	2.2	17.4
10 18	0 54.14	− 0 3.0	1.169	2.151	6.2	17.6
10 28	0 47.26	− 1 13.4	1.197	2.139	11.3	17.8
11 7	0 42.51	− 2 1.1	1.247	2.129	16.0	18.1
11 17	0 40.55	− 2 22.8	1.316	2.119	19.9	18.3

137111 1999 AX_{18} 10 9.6 164°.58 2°.4/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.98	+ 2 4.9	1.913	2.801	11.8	20.4
9 18	1 16.78	+ 1 11.0	1.852	2.802	8.3	20.2
9 28	1 9.91	+ 0 11.5	1.816	2.802	4.6	19.9
10 8	1 2.08	− 0 47.8	1.808	2.802	2.5	19.8
10 18	0 54.18	− 1 40.6	1.827	2.803	5.2	20.0
10 28	0 47.12	− 2 21.1	1.874	2.803	8.8	20.2
11 7	0 41.64	− 2 45.8	1.946	2.803	12.2	20.4
11 17	0 38.24	− 2 53.0	2.039	2.803	15.1	20.6

25248 1998 UX_{19} 10 9.6 288°.83 0°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.64	+ 8 14.5	2.224	3.095	11.1	18.9
9 18	1 15.77	+ 7 44.8	2.142	3.081	8.0	18.7
9 28	1 9.36	+ 7 5.5	2.085	3.068	4.4	18.4
10 8	1 2.01	+ 6 20.3	2.056	3.055	0.6	18.1
10 18	0 54.47	+ 5 33.5	2.055	3.041	3.3	18.3
10 28	0 47.56	+ 4 50.4	2.083	3.028	7.0	18.5
11 7	0 41.99	+ 4 15.7	2.138	3.015	10.4	18.7
11 17	0 38.28	+ 3 52.7	2.215	3.001	13.3	18.9

299199 2005 GN_{206} 10 9.6 246°.86 0°.5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.63	+ 6 47.4	1.920	2.796	12.3	20.7
9 18	1 18.05	+ 6 19.8	1.848	2.790	8.8	20.5
9 28	1 10.66	+ 5 43.0	1.801	2.785	4.8	20.2
10 8	1 2.21	+ 5 1.0	1.780	2.779	0.7	19.9
10 18	0 53.58	+ 4 19.1	1.788	2.773	3.9	20.1
10 28	0 45.78	+ 3 42.9	1.824	2.767	8.0	20.4
11 7	0 39.60	+ 3 17.0	1.886	2.761	11.7	20.6
11 17	0 35.59	+ 3 4.6	1.969	2.755	14.8	20.8

357532 2004 RQ_{176} 10 9.6 34°.91 0°.3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.62	+10 41.6	1.873	2.746	12.7	20.4
9 18	1 15.13	+ 9 49.4	1.813	2.753	9.2	20.2
9 28	1 9.00	+ 8 43.8	1.777	2.759	5.1	20.0
10 8	1 1.96	+ 7 30.0	1.768	2.766	0.9	19.7
10 18	0 54.88	+ 6 14.6	1.786	2.773	3.5	19.9
10 28	0 48.64	+ 5 4.7	1.833	2.781	7.6	20.2
11 7	0 43.99	+ 4 6.6	1.905	2.789	11.2	20.4
11 17	0 41.36	+ 3 24.0	2.000	2.797	14.2	20.6

359528 2010 RZ_{101} 10 9.6 185°.00 0°.8/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.71	+11 20.3	2.377	3.234	11.0	21.4
9 18	1 16.39	+10 50.7	2.304	3.234	8.0	21.2
9 28	1 9.63	+10 10.1	2.256	3.234	4.6	21.0
10 8	1 2.06	+ 9 21.8	2.236	3.233	1.2	20.8
10 18	0 54.38	+ 8 29.9	2.245	3.232	2.9	20.9
10 28	0 47.37	+ 7 39.5	2.284	3.231	6.3	21.1
11 7	0 41.68	+ 6 55.5	2.350	3.230	9.5	21.3
11 17	0 37.76	+ 6 21.4	2.440	3.228	12.2	21.5

219499 2001 FX_{108} 10 9.6 255°.27 2°.0/11.6 18

9 8	1 23.15	+13 47.1	2.290	3.137	11.7	19.9
9 18	1 17.51	+13 48.7	2.214	3.135	8.7	19.7
9 28	1 10.30	+13 38.4	2.162	3.133	5.5	19.5
10 8	1 2.16	+13 18.1	2.138	3.131	2.4	19.3
10 18	0 53.86	+12 50.6	2.143	3.129	3.1	19.3
10 28	0 46.25	+12 20.2	2.176	3.127	6.4	19.6
11 7	0 40.05	+11 51.7	2.237	3.124	9.6	19.8
11 17	0 35.74	+11 29.2	2.321	3.122	12.4	19.9

466261 2013 KX_6 10 9.6 54°.32 2°.8/ 7.9 17

9 8	1 27.61	+ 2 48.9	1.079	1.983	17.5	20.5
9 18	1 21.50	+ 2 8.6	1.042	1.998	12.3	20.2
9 28	1 12.69	+ 1 20.5	1.026	2.014	6.7	20.0
10 8	1 2.49	+ 0 32.9	1.033	2.030	2.8	19.8
10 18	0 52.45	− 0 5.3	1.064	2.046	6.7	20.1
10 28	0 44.12	− 0 26.9	1.120	2.063	11.8	20.4
11 7	0 38.52	− 0 28.2	1.196	2.079	16.4	20.8
11 17	0 36.11	− 0 9.0	1.291	2.097	20.1	21.1

512838 2016 UA_{124} 10 9.6 259°.97 2°.4/11.7 18

9 8	1 25.32	+14 10.9	1.829	2.682	13.9	21.0
9 18	1 19.46	+14 12.0	1.749	2.673	10.5	20.8
9 28	1 11.55	+13 57.8	1.692	2.664	6.6	20.6
10 8	1 2.36	+13 30.4	1.662	2.655	3.0	20.3
10 18	0 52.88	+12 53.3	1.659	2.646	3.8	20.4
10 28	0 44.23	+12 12.4	1.684	2.636	7.7	20.6
11 7	0 37.37	+11 34.3	1.735	2.627	11.6	20.8
11 17	0 32.91	+11 4.3	1.808	2.617	15.0	21.0

95903 2003 HC_{27} 10 9.6 38°.71 6°.3/ 4.7 18 R

9 8	1 25.51	−10 6.5	1.717	2.609	12.7	18.5
9 18	1 19.26	−10 43.1	1.680	2.623	9.5	18.3
9 28	1 11.21	−11 12.4	1.667	2.636	7.0	18.2
10 8	1 2.27	−11 27.9	1.680	2.650	6.5	18.2
10 18	0 53.47	−11 25.5	1.719	2.665	8.4	18.4
10 28	0 45.80	−11 2.9	1.784	2.679	11.3	18.6
11 7	0 40.02	−10 21.0	1.872	2.695	14.1	18.8
11 17	0 36.55	− 9 22.2	1.979	2.710	16.5	19.0

363944 2005 TZ_{126} 10 9.6 350°.21 0°.4/ 9.3 18

9 8	1 21.81	+ 7 13.6	1.763	2.645	13.0	21.2
9 18	1 16.85	+ 6 49.5	1.697	2.641	9.3	21.0
9 28	1 10.04	+ 6 15.4	1.654	2.638	5.1	20.7
10 8	1 2.13	+ 5 35.6	1.637	2.636	0.7	20.4
10 18	0 54.08	+ 4 55.4	1.648	2.634	3.9	20.7
10 28	0 46.91	+ 4 20.8	1.686	2.632	8.2	20.9
11 7	0 41.44	+ 3 56.8	1.749	2.631	12.1	21.1
11 17	0 38.22	+ 3 46.5	1.833	2.631	15.3	21.4

216928 1998 QB_{98} 10 9.6 35°.16 6°.1/14.5 18

9 8	1 27.89	+21 52.8	1.767	2.586	15.8	18.7
9 18	1 21.28	+22 49.1	1.710	2.601	12.6	18.5
9 28	1 12.51	+23 25.2	1.675	2.617	9.3	18.3
10 8	1 2.48	+23 40.0	1.665	2.633	6.7	18.2
10 18	0 52.33	+23 34.8	1.681	2.650	6.3	18.2
10 28	0 43.26	+23 14.3	1.724	2.668	8.3	18.4
11 7	0 36.23	+22 45.7	1.793	2.686	11.2	18.6
11 17	0 31.80	+22 15.8	1.884	2.704	14.1	18.8

80519 2000 AQ_{60} 10 9.6 274°.73 1°.5/10.8 18

9 8	1 24.70	+12 18.9	1.526	2.396	15.3	19.9
9 18	1 19.33	+11 58.3	1.449	2.384	11.3	19.6
9 28	1 11.60	+11 20.3	1.393	2.372	6.7	19.3
10 8	1 2.39	+10 28.4	1.363	2.360	2.1	19.0
10 18	0 52.83	+ 9 28.5	1.360	2.348	4.1	19.1
10 28	0 44.24	+ 8 28.9	1.383	2.336	9.0	19.4
11 7	0 37.71	+ 7 37.8	1.430	2.323	13.5	19.6
11 17	0 33.91	+ 7 1.1	1.498	2.311	17.4	19.8

475353 2006 BX_{234} 10 9.6 54°.13 2°.6/11.7 18

9 8	1 25.51	+14 21.8	1.489	2.353	15.9	21.1
9 18	1 19.71	+14 19.6	1.433	2.363	11.9	20.9
9 28	1 11.67	+13 59.4	1.400	2.374	7.4	20.6
10 8	1 2.38	+13 24.0	1.391	2.385	3.2	20.4
10 18	0 53.03	+12 38.7	1.409	2.396	4.1	20.5
10 28	0 44.88	+11 51.0	1.453	2.408	8.4	20.8
11 7	0 38.89	+11 8.5	1.521	2.419	12.5	21.1
11 17	0 35.59	+10 36.9	1.611	2.431	16.0	21.3

121397 1999 TR_{125} 10 9.6 345°.49 2°.4/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.83	+14 30.4	2.016	2.867	12.9	19.5
9 18	1 17.46	+14 30.2	1.942	2.865	9.7	19.3
9 28	1 10.35	+14 16.0	1.892	2.863	6.1	19.0
10 8	1 2.19	+13 49.8	1.869	2.862	2.8	18.8
10 18	0 53.87	+13 15.0	1.874	2.860	3.5	18.9
10 28	0 46.32	+12 36.9	1.907	2.859	6.9	19.1
11 7	0 40.36	+12 1.1	1.966	2.858	10.4	19.3
11 17	0 36.50	+11 32.5	2.048	2.857	13.5	19.5

147879 2006 QQ_{113} 10 9.6 339°.26 0°.9/ 8.9 18

9 8	1 22.72	+ 5 42.3	1.538	2.428	14.1	19.6
9 18	1 17.77	+ 5 23.2	1.470	2.419	10.1	19.3
9 28	1 10.66	+ 4 54.6	1.425	2.411	5.5	19.0
10 8	1 2.25	+ 4 21.3	1.406	2.404	1.0	18.7
10 18	0 53.61	+ 3 48.9	1.412	2.398	4.6	18.9
10 28	0 45.94	+ 3 23.8	1.445	2.392	9.3	19.2
11 7	0 40.22	+ 3 11.1	1.501	2.386	13.5	19.5
11 17	0 37.05	+ 3 13.5	1.578	2.382	17.1	19.7

187767 1998 QP_4 10 9.6 25°.81 1°.1/ 8.6 18

9 8	1 18.39	+ 7 40.1	1.528	2.420	14.0	18.8
9 18	1 14.45	+ 6 31.9	1.484	2.434	9.8	18.6
9 28	1 8.67	+ 5 11.7	1.463	2.450	5.2	18.4
10 8	1 1.94	+ 3 47.0	1.467	2.466	1.1	18.2
10 18	0 55.25	+ 2 26.4	1.498	2.483	4.6	18.5
10 28	0 49.60	+ 1 18.0	1.556	2.500	9.0	18.8
11 7	0 45.75	+ 0 27.5	1.637	2.519	12.8	19.0
11 17	0 44.13	− 0 2.5	1.740	2.538	15.9	19.3

499227 2009 UC_{98} 10 9.6 359°.13 1°.8/13.2 16

9 8	1 14.36	+18 11.0	3.940	4.761	7.7	21.2
9 18	1 10.79	+17 40.5	3.858	4.760	5.9	21.1
9 28	1 6.43	+17 0.4	3.802	4.760	3.9	21.0
10 8	1 1.63	+16 12.3	3.774	4.760	2.2	20.8
10 18	0 56.78	+15 18.7	3.776	4.760	2.1	20.8
10 28	0 52.29	+14 22.7	3.809	4.760	3.9	21.0
11 7	0 48.54	+13 27.6	3.871	4.760	5.8	21.1
11 17	0 45.80	+12 36.4	3.959	4.760	7.7	21.2

306202 2011 QY_6 10 9.6 126°.47 0°.8/ 8.3 18

9 8	1 16.80	+ 5 3.3	3.574	4.443	7.3	21.6
9 18	1 12.50	+ 4 19.8	3.513	4.454	5.1	21.5
9 28	1 7.35	+ 3 32.2	3.481	4.465	2.7	21.3
10 8	1 1.76	+ 2 43.2	3.478	4.475	0.8	21.2
10 18	0 56.16	+ 1 56.0	3.505	4.486	2.6	21.4
10 28	0 50.99	+ 1 13.7	3.564	4.496	4.9	21.5
11 7	0 46.63	+ 0 38.8	3.650	4.506	7.1	21.7
11 17	0 43.39	+ 0 13.0	3.761	4.515	8.9	21.9

23705 1997 SQ_{14} 10 9.6 71°.87 2°.2/11.6 18 R

9 8	1 24.03	+15 13.4	1.481	2.345	16.0	17.6
9 18	1 18.59	+14 35.3	1.430	2.360	11.9	17.4
9 28	1 11.01	+13 37.0	1.400	2.375	7.3	17.1
10 8	1 2.30	+12 23.2	1.395	2.390	2.8	16.9
10 18	0 53.62	+11 1.7	1.417	2.406	3.9	17.0
10 28	0 46.16	+ 9 42.0	1.466	2.421	8.4	17.3
11 7	0 40.81	+ 8 32.6	1.540	2.436	12.5	17.6
11 17	0 38.05	+ 7 39.3	1.635	2.452	16.0	17.9

251848 1999 TB_{306} 10 9.6 109°.58 0°.5/ 9.1 18

9 8	1 19.97	+ 8 30.4	2.169	3.041	11.3	20.5
9 18	1 15.22	+ 7 31.7	2.105	3.046	8.0	20.3
9 28	1 9.02	+ 6 22.7	2.067	3.051	4.3	20.1
10 8	1 2.02	+ 5 8.3	2.057	3.055	0.6	19.8
10 18	0 54.97	+ 3 54.5	2.075	3.060	3.5	20.1
10 28	0 48.65	+ 2 47.4	2.123	3.064	7.1	20.3
11 7	0 43.72	+ 1 52.3	2.197	3.069	10.4	20.5
11 17	0 40.60	+ 1 12.1	2.294	3.073	13.2	20.7

130324 2000 EC_{170} 10 9.6 234°.67 6°.7/28.7 18

9 8	1 19.44	−16 17.0	2.751	3.629	9.0	20.4
9 18	1 14.70	−18 4.0	2.698	3.618	7.4	20.3
9 28	1 8.71	−19 44.1	2.673	3.607	6.7	20.2
10 8	1 1.98	−21 10.8	2.677	3.595	7.3	20.2
10 18	0 55.13	−22 18.7	2.707	3.583	8.7	20.3
10 28	0 48.82	−23 4.5	2.763	3.571	10.6	20.4
11 7	0 43.63	−23 27.4	2.841	3.558	12.4	20.6
11 17	0 39.98	−23 28.4	2.937	3.545	13.9	20.7

14878 1990 WE_9 10 9.6 14°.64 1°.7/ 8.4 18

9 8	1 20.44	+ 5 55.3	1.067	1.977	17.1	17.4
9 18	1 16.57	+ 5 5.2	1.022	1.981	12.1	17.2
9 28	1 10.10	+ 4 1.4	0.998	1.987	6.5	16.9
10 8	1 2.18	+ 2 52.8	0.996	1.994	1.8	16.6
10 18	0 54.23	+ 1 49.8	1.017	2.002	6.0	16.9
10 28	0 47.69	+ 1 2.1	1.062	2.012	11.4	17.3
11 7	0 43.63	+ 0 35.9	1.127	2.023	16.2	17.6
11 17	0 42.56	+ 0 33.3	1.211	2.034	20.1	17.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
97794 2000 NG_{14}		10 9.6 78°.26 3°.5/12.2 18				
	h m	° ′			°	m
9 8	1 28.00	+16 27.2	1.279	2.141	18.1	18.9
9 18	1 21.70	+16 19.7	1.230	2.157	13.7	18.7
9 28	1 12.83	+15 48.9	1.202	2.173	8.7	18.5
10 8	1 2.57	+14 58.3	1.197	2.189	4.2	18.3
10 18	0 52.34	+13 54.7	1.218	2.205	4.8	18.4
10 28	0 43.61	+12 47.8	1.265	2.221	9.2	18.7
11 7	0 37.43	+11 47.6	1.335	2.237	13.7	19.0
11 17	0 34.32	+11 1.1	1.426	2.253	17.4	19.3
347514 1999 SP_{14}		10 9.6 31°.18 8°.1/17.8 16				
9 8	1 21.37	+30 6.0	0.931	1.770	25.1	19.4
9 18	1 17.21	+29 15.8	0.913	1.811	20.2	19.3
9 28	1 10.27	+27 39.7	0.909	1.853	14.9	19.2
10 8	1 2.17	+25 24.7	0.925	1.896	10.2	19.1
10 18	0 54.60	+22 45.7	0.964	1.941	8.1	19.1
10 28	0 49.02	+20 2.0	1.026	1.987	10.1	19.4
11 7	0 46.26	+17 31.7	1.111	2.033	13.8	19.8
11 17	0 46.52	+15 26.3	1.217	2.080	17.4	20.1
167376 2003 WH_{67}		10 9.6 358°.72 1°.4/ 8.6 18				
9 8	1 23.24	+ 4 29.3	1.401	2.297	14.8	19.5
9 18	1 18.22	+ 4 7.3	1.342	2.294	10.5	19.2
9 28	1 10.94	+ 3 36.6	1.306	2.293	5.7	18.9
10 8	1 2.31	+ 3 2.6	1.294	2.292	1.5	18.7
10 18	0 53.55	+ 2 31.9	1.308	2.292	5.1	18.9
10 28	0 45.90	+ 2 10.9	1.347	2.292	9.9	19.2
11 7	0 40.37	+ 2 4.1	1.409	2.294	14.2	19.5
11 17	0 37.54	+ 2 13.9	1.491	2.296	17.8	19.7
324687 2007 ED_{9}		10 9.6 151°.73 0°.5/ 9.0 18				
9 8	1 21.02	+ 6 54.2	2.518	3.387	10.0	21.8
9 18	1 15.81	+ 6 17.6	2.453	3.392	7.1	21.6
9 28	1 9.30	+ 5 33.6	2.413	3.397	3.8	21.4
10 8	1 2.08	+ 4 46.1	2.403	3.401	0.6	21.2
10 18	0 54.80	+ 3 59.1	2.422	3.405	3.1	21.4
10 28	0 48.17	+ 3 17.3	2.470	3.409	6.4	21.6
11 7	0 42.77	+ 2 44.2	2.545	3.413	9.3	21.8
11 17	0 39.00	+ 2 22.3	2.644	3.416	11.8	22.0
354454 2004 BC_{17}		10 9.6 286°.18 2°.4/ 7.7 18				
9 8	1 25.04	+ 1 26.2	1.847	2.732	12.3	21.3
9 18	1 19.29	+ 0 56.4	1.761	2.708	8.8	21.0
9 28	1 11.52	+ 0 21.4	1.699	2.684	4.9	20.7
10 8	1 2.42	− 0 14.0	1.664	2.660	2.4	20.5
10 18	0 52.96	− 0 44.2	1.658	2.635	5.3	20.6
10 28	0 44.22	− 1 3.7	1.678	2.610	9.4	20.8
11 7	0 37.16	− 1 8.6	1.724	2.585	13.3	21.0
11 17	0 32.42	− 0 57.1	1.790	2.560	16.6	21.2
97479 2000 CU_{56}		10 9.6 25°.13 7°.2/16.9 18				
9 8	1 25.01	+28 21.9	2.127	2.903	14.9	18.5
9 18	1 19.17	+29 6.4	2.054	2.907	12.5	18.3
9 28	1 11.38	+29 29.5	2.001	2.911	10.0	18.2
10 8	1 2.39	+29 29.6	1.972	2.915	7.9	18.1
10 18	0 53.16	+29 7.6	1.970	2.920	7.2	18.0
10 28	0 44.74	+28 27.4	1.994	2.924	8.3	18.1
11 7	0 38.04	+27 35.9	2.044	2.929	10.4	18.2
11 17	0 33.63	+26 40.7	2.117	2.935	12.8	18.4
397639 2007 XY_{10}		10 9.6 290°.65 2°.2/11.8 18				
9 8	1 22.22	+15 15.9	1.854	2.708	13.7	21.2
9 18	1 17.16	+14 52.2	1.781	2.705	10.3	21.0
9 28	1 10.24	+14 11.4	1.731	2.703	6.5	20.7
10 8	1 2.23	+13 16.5	1.707	2.700	2.8	20.5
10 18	0 54.05	+12 12.6	1.711	2.698	3.5	20.6
10 28	0 46.72	+11 6.9	1.742	2.696	7.4	20.8
11 7	0 41.07	+10 6.5	1.799	2.693	11.2	21.0
11 17	0 37.66	+ 9 17.2	1.879	2.691	14.4	21.2
490057 2008 TF_{86}		10 9.6 2°.75 0°.1/ 9.6 16				
9 8	1 22.66	+ 7 54.6	1.227	2.123	16.4	21.4
9 18	1 18.06	+ 7 38.9	1.170	2.121	11.8	21.1
9 28	1 10.94	+ 7 9.3	1.135	2.121	6.6	20.8
10 8	1 2.34	+ 6 31.2	1.123	2.122	0.9	20.4
10 18	0 53.56	+ 5 51.4	1.135	2.123	4.8	20.7
10 28	0 46.05	+ 5 18.2	1.172	2.126	10.1	21.0
11 7	0 40.88	+ 4 58.0	1.231	2.130	14.8	21.3
11 17	0 38.66	+ 4 54.5	1.310	2.134	18.8	21.6
139101 2001 FH_{41}		10 9.6 90°.00 0°.7/ 9.0 18				
9 8	1 24.29	+ 8 46.2	1.448	2.332	15.2	19.5
9 18	1 18.77	+ 7 41.5	1.399	2.345	10.8	19.3
9 28	1 11.12	+ 6 22.3	1.372	2.357	5.8	19.0
10 8	1 2.34	+ 4 56.1	1.371	2.370	0.9	18.7
10 18	0 53.60	+ 3 32.1	1.398	2.383	4.7	19.0
10 28	0 46.08	+ 2 19.4	1.451	2.395	9.5	19.3
11 7	0 40.67	+ 1 24.6	1.527	2.408	13.6	19.6
11 17	0 37.85	+ 0 51.0	1.625	2.420	17.1	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
96044 2004 PU_{95}		10 9.7 20°.04 5°.9/ 3.9 18				
	h m	° ′			°	m
9 8	1 22.08	− 8 36.5	1.890	2.785	11.6	19.4
9 18	1 16.86	− 9 38.5	1.842	2.787	8.7	19.2
9 28	1 9.98	−10 36.1	1.819	2.789	6.4	19.1
10 8	1 2.20	−11 22.3	1.822	2.792	6.1	19.1
10 18	0 54.39	−11 51.5	1.852	2.795	8.1	19.2
10 28	0 47.48	−12 0.0	1.908	2.798	11.0	19.4
11 7	0 42.20	−11 47.2	1.986	2.801	13.7	19.6
11 17	0 39.00	−11 14.4	2.083	2.805	16.1	19.8
333178 2012 DZ_{16}		10 9.7 162°.62 1°.9/ 7.3 18				
9 8	1 20.43	+ 1 54.6	2.671	3.550	9.2	21.7
9 18	1 15.33	+ 1 7.7	2.609	3.554	6.4	21.5
9 28	1 9.02	+ 0 17.2	2.573	3.557	3.6	21.3
10 8	1 2.06	− 0 33.1	2.566	3.561	1.9	21.2
10 18	0 55.05	− 1 18.7	2.589	3.563	3.9	21.4
10 28	0 48.65	− 1 55.8	2.642	3.566	6.8	21.6
11 7	0 43.38	− 2 21.5	2.720	3.568	9.4	21.8
11 17	0 39.64	− 2 34.4	2.823	3.570	11.7	21.9
407250 2009 WK_{200}		10 9.7 308°.78 2°.0/ 7.4 18				
9 8	1 19.32	+ 3 8.7	2.064	2.951	11.1	20.8
9 18	1 14.96	+ 2 14.2	1.985	2.934	7.8	20.6
9 28	1 9.01	+ 1 12.4	1.931	2.917	4.3	20.3
10 8	1 2.08	+ 0 8.8	1.905	2.900	2.1	20.2
10 18	0 54.94	− 0 50.7	1.907	2.884	4.8	20.3
10 28	0 48.45	− 1 39.9	1.936	2.867	8.4	20.5
11 7	0 43.36	− 2 14.5	1.991	2.851	11.8	20.7
11 17	0 40.18	− 2 31.9	2.066	2.835	14.8	20.9
74670 1999 RO_{100}		10 9.7 42°.66 5°.9/14.9 18				
9 8	1 22.21	+23 52.3	1.202	2.048	20.1	19.0
9 18	1 17.81	+23 24.0	1.149	2.059	16.0	18.7
9 28	1 10.80	+22 21.0	1.115	2.071	11.3	18.5
10 8	1 2.33	+20 46.7	1.102	2.083	7.1	18.3
10 18	0 53.83	+18 49.6	1.113	2.096	6.2	18.3
10 28	0 46.79	+16 43.9	1.149	2.109	9.4	18.5
11 7	0 42.27	+14 44.2	1.209	2.123	13.7	18.8
11 17	0 40.78	+13 1.8	1.290	2.137	17.7	19.1
452962 2007 CR_{43}		10 9.7 164°.56 2°.7/ 6.4 18				
9 8	1 20.41	+ 0 25.4	2.302	3.188	10.2	21.6
9 18	1 15.47	− 0 38.0	2.242	3.190	7.1	21.4
9 28	1 9.16	− 1 45.2	2.208	3.191	4.1	21.2
10 8	1 2.09	− 2 50.5	2.202	3.193	2.8	21.1
10 18	0 54.96	− 3 48.5	2.226	3.195	5.0	21.3
10 28	0 48.51	− 4 34.2	2.278	3.196	8.1	21.5
11 7	0 43.38	− 5 4.7	2.355	3.197	10.9	21.7
11 17	0 39.97	− 5 18.5	2.454	3.198	13.4	21.8
31411 1999 AU_{9}		10 9.7 351°.50 5°.2/ 6.6 18				
9 8	1 24.49	− 1 47.7	1.014	1.930	17.2	17.3
9 18	1 19.73	− 2 33.9	0.964	1.925	12.4	17.0
9 28	1 12.01	− 3 23.3	0.933	1.920	7.5	16.7
10 8	1 2.53	− 4 5.6	0.925	1.917	5.3	16.6
10 18	0 52.87	− 4 31.4	0.940	1.914	8.8	16.8
10 28	0 44.72	− 4 33.4	0.976	1.913	13.9	17.1
11 7	0 39.34	− 4 9.5	1.032	1.913	18.6	17.3
11 17	0 37.35	− 3 21.2	1.105	1.914	22.6	17.6
160679 2000 DB_{6}		10 9.7 346°.01 1°.1/11.4 18				
9 8	1 16.71	+12 29.9	3.997	4.839	7.2	19.2
9 18	1 12.45	+12 26.3	3.917	4.837	5.3	19.0
9 28	1 7.38	+12 16.3	3.864	4.836	3.2	18.9
10 8	1 1.84	+12 1.3	3.840	4.834	1.3	18.7
10 18	0 56.23	+11 42.9	3.846	4.833	1.8	18.8
10 28	0 50.96	+11 23.4	3.882	4.831	3.9	18.9
11 7	0 46.43	+11 5.3	3.948	4.830	5.9	19.1
11 17	0 42.91	+10 50.5	4.039	4.828	7.7	19.2
117736 Sherrod		10 9.7 210°.78 3°.4/ 6.8 18				
9 8	1 27.68	− 3 6.7	2.066	2.947	11.4	19.9
9 18	1 20.80	− 3 27.2	2.000	2.944	8.2	19.7
9 28	1 12.18	− 3 47.4	1.959	2.940	4.9	19.5
10 8	1 2.55	− 4 2.9	1.947	2.935	3.4	19.4
10 18	0 52.81	− 4 9.4	1.963	2.931	5.7	19.6
10 28	0 43.92	− 4 3.7	2.008	2.926	9.0	19.8
11 7	0 36.67	− 3 44.2	2.078	2.921	12.2	19.9
11 17	0 31.56	− 3 10.9	2.171	2.915	14.9	20.1
300447 2007 TV_{54}		10 9.7 310°.53 3°.2/13.0 18				
9 8	1 20.16	+19 22.3	1.731	2.575	15.0	19.9
9 18	1 15.86	+18 34.8	1.652	2.567	11.5	19.6
9 28	1 9.61	+17 23.5	1.595	2.560	7.6	19.4
10 8	1 2.18	+15 51.7	1.563	2.553	4.0	19.2
10 18	0 54.56	+14 6.1	1.559	2.546	4.0	19.2
10 28	0 47.82	+12 16.5	1.583	2.539	7.7	19.4
11 7	0 42.85	+10 33.0	1.633	2.533	11.7	19.6
11 17	0 40.20	+ 9 3.9	1.706	2.527	15.2	19.8

394528 2007 TG_{386} 10 9.7 19.°83 1.°0/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.42	+12 4.1	1.592	2.466	14.5	20.6
9 18	1 16.74	+11 24.6	1.530	2.469	10.6	20.4
9 28	1 10.06	+10 28.6	1.491	2.472	6.2	20.1
10 8	1 2.24	+ 9 20.8	1.477	2.475	1.6	19.8
10 18	0 54.32	+ 8 8.5	1.490	2.478	3.8	20.0
10 28	0 47.39	+ 6 59.8	1.530	2.482	8.3	20.3
11 7	0 42.35	+ 6 2.3	1.594	2.487	12.4	20.5
11 17	0 39.70	+ 5 20.9	1.680	2.491	15.9	20.8

515425 2013 HK_{142} 10 9.7 37.°16 0.°5/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.91	+ 8 19.1	1.862	2.741	12.5	21.4
9 18	1 15.36	+ 7 26.8	1.806	2.750	8.9	21.2
9 28	1 9.18	+ 6 23.3	1.774	2.758	4.8	21.0
10 8	1 2.11	+ 5 14.3	1.769	2.767	0.7	20.7
10 18	0 55.01	+ 4 6.2	1.792	2.777	3.8	20.9
10 28	0 48.77	+ 3 5.7	1.842	2.786	7.8	21.2
11 7	0 44.12	+ 2 18.2	1.918	2.796	11.4	21.4
11 17	0 41.48	+ 1 46.8	2.016	2.807	14.3	21.7

516766 2009 UZ_{62} 10 9.7 84.°72 3.°2/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.76	− 2 50.9	2.241	3.126	10.5	21.7
9 18	1 17.83	− 3 18.3	2.187	3.132	7.4	21.5
9 28	1 10.45	− 3 45.7	2.158	3.139	4.5	21.3
10 8	1 2.29	− 4 8.7	2.157	3.146	3.2	21.3
10 18	0 54.12	− 4 23.4	2.185	3.152	5.3	21.4
10 28	0 46.74	− 4 26.5	2.242	3.159	8.2	21.6
11 7	0 40.79	− 4 16.4	2.324	3.165	11.1	21.8
11 17	0 36.70	− 3 53.1	2.428	3.172	13.5	22.0

359340 2009 RX_{73} 10 9.7 283.°18 0.°7/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.35	+ 4 18.5	4.246	5.118	6.2	21.2
9 18	1 10.74	+ 3 45.7	4.174	5.116	4.4	21.0
9 28	1 6.42	+ 3 9.6	4.129	5.114	2.3	20.9
10 8	1 1.71	+ 2 32.6	4.114	5.112	0.7	20.7
10 18	0 56.96	+ 1 56.8	4.130	5.110	2.2	20.9
10 28	0 52.52	+ 1 24.8	4.175	5.108	4.3	21.0
11 7	0 48.73	+ 0 58.6	4.249	5.106	6.1	21.2
11 17	0 45.84	+ 0 39.6	4.348	5.104	7.8	21.3

17005 1999 CD_{63} 10 9.7 40.°79 1.°9/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.20	+ 5 44.9	1.574	2.466	13.6	16.9
9 18	1 15.74	+ 4 27.9	1.526	2.478	9.5	16.7
9 28	1 9.43	+ 3 0.6	1.503	2.490	5.1	16.5
10 8	1 2.15	+ 1 31.0	1.506	2.503	1.9	16.3
10 18	0 54.89	+ 0 7.8	1.536	2.516	5.2	16.6
10 28	0 48.67	− 1 0.8	1.592	2.530	9.4	16.8
11 7	0 44.27	− 1 49.8	1.673	2.544	13.2	17.1
11 17	0 42.12	− 2 17.1	1.774	2.558	16.2	17.4

134931 2001 AN_{33} 10 9.7 326.°72 4.°7/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.41	− 1 44.6	1.142	2.051	16.3	19.1
9 18	1 20.31	− 2 22.9	1.081	2.039	11.8	18.8
9 28	1 12.36	− 3 4.4	1.041	2.026	7.1	18.5
10 8	1 2.61	− 3 40.3	1.023	2.015	4.8	18.4
10 18	0 52.54	− 4 2.0	1.030	2.004	8.3	18.5
10 28	0 43.77	− 4 2.5	1.059	1.994	13.3	18.8
11 7	0 37.58	− 3 39.2	1.109	1.985	18.0	19.0
11 17	0 34.67	− 2 52.8	1.176	1.977	21.9	19.3

276477 2003 MT_{4} 10 9.7 80.°02 0.°3/ 9.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.23	+ 9 7.9	1.664	2.538	14.0	20.3
9 18	1 19.11	+ 8 13.5	1.624	2.565	9.9	20.1
9 28	1 11.19	+ 7 7.1	1.609	2.592	5.4	19.9
10 8	1 2.40	+ 5 54.9	1.620	2.618	0.7	19.7
10 18	0 53.78	+ 4 44.4	1.659	2.645	4.0	20.0
10 28	0 46.33	+ 3 42.7	1.726	2.670	8.2	20.3
11 7	0 40.79	+ 2 55.2	1.818	2.696	11.9	20.6
11 17	0 37.58	+ 2 24.8	1.932	2.720	15.0	20.8

333220 2012 HN_{38} 10 9.7 52.°67 1.°6/ 8.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.85	+ 4 49.7	1.212	2.108	16.5	20.6
9 18	1 20.77	+ 4 15.8	1.175	2.128	11.6	20.4
9 28	1 12.27	+ 3 32.4	1.161	2.148	6.3	20.2
10 8	1 2.56	+ 2 46.6	1.170	2.168	1.7	19.9
10 18	0 53.04	+ 2 6.3	1.205	2.189	5.5	20.3
10 28	0 45.05	+ 1 38.4	1.265	2.210	10.5	20.6
11 7	0 39.55	+ 1 27.3	1.347	2.232	14.8	20.9
11 17	0 36.97	+ 1 34.4	1.449	2.253	18.3	21.2

513380 2008 GL 10 9.7 112.°94 1.°5/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 27.88	+11 33.6	2.477	3.320	11.0	21.5
9 18	1 20.67	+11 45.8	2.416	3.337	8.1	21.3
9 28	1 12.00	+11 48.6	2.382	3.354	4.9	21.1
10 8	1 2.54	+11 43.7	2.376	3.371	1.8	20.9
10 18	0 53.06	+11 33.4	2.401	3.387	2.8	21.0
10 28	0 44.37	+11 21.1	2.456	3.403	6.0	21.3
11 7	0 37.12	+11 10.5	2.540	3.418	8.9	21.5
11 17	0 31.75	+11 4.6	2.649	3.433	11.5	21.7

354328 2002 WR_{31} 10 9.7 223.°79 4.°3/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.56	+23 1.7	2.266	3.072	13.1	20.3
9 18	1 17.26	+22 47.0	2.179	3.066	10.5	20.1
9 28	1 10.29	+22 12.6	2.115	3.058	7.6	19.9
10 8	1 2.31	+21 19.5	2.076	3.051	5.0	19.7
10 18	0 54.13	+20 11.0	2.066	3.043	4.5	19.7
10 28	0 46.65	+18 53.0	2.085	3.034	6.7	19.8
11 7	0 40.65	+17 32.8	2.131	3.026	9.6	20.0
11 17	0 36.64	+16 17.3	2.202	3.017	12.5	20.2

236848 2007 RV_{137} 10 9.7 53.°80 5.°0/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 27.82	+19 19.3	1.515	2.356	16.9	20.3
9 18	1 21.39	+19 47.5	1.465	2.374	13.2	20.1
9 28	1 12.65	+19 54.0	1.435	2.393	9.1	19.9
10 8	1 2.64	+19 39.4	1.430	2.412	5.7	19.7
10 18	0 52.62	+19 7.4	1.452	2.432	5.5	19.8
10 28	0 43.89	+18 24.9	1.499	2.451	8.5	20.0
11 7	0 37.42	+17 40.3	1.571	2.471	12.1	20.3
11 17	0 33.74	+17 0.8	1.665	2.491	15.3	20.5

321030 2008 OC_{22} 10 9.7 116.°94 1.°0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.79	+11 45.3	2.510	3.363	10.6	20.9
9 18	1 16.39	+11 27.6	2.445	3.372	7.7	20.7
9 28	1 9.67	+10 59.8	2.405	3.381	4.6	20.5
10 8	1 2.22	+10 24.6	2.393	3.390	1.4	20.3
10 18	0 54.72	+ 9 45.6	2.411	3.398	2.7	20.5
10 28	0 47.89	+ 9 7.0	2.458	3.407	5.9	20.7
11 7	0 42.32	+ 8 33.1	2.533	3.415	8.8	20.9
11 17	0 38.42	+ 8 7.1	2.632	3.423	11.3	21.1

52341 Ballmann 10 9.7 13.°09 0.°4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.00	+ 7 23.0	1.495	2.378	14.8	18.4
9 18	1 20.12	+ 7 34.9	1.437	2.380	10.7	18.1
9 28	1 12.00	+ 7 37.1	1.401	2.384	6.0	17.9
10 8	1 2.57	+ 7 32.3	1.390	2.388	1.1	17.6
10 18	0 53.02	+ 7 24.8	1.406	2.393	4.1	17.8
10 28	0 44.59	+ 7 19.6	1.448	2.399	8.8	18.1
11 7	0 38.28	+ 7 21.2	1.514	2.406	13.0	18.4
11 17	0 34.65	+ 7 32.9	1.602	2.413	16.5	18.6

50509 2000 DB_{101} 10 9.7 324.°77 4.°7/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.21	− 1 10.1	1.253	2.161	15.3	18.6
9 18	1 18.52	− 2 9.2	1.192	2.149	11.0	18.3
9 28	1 11.29	− 3 13.4	1.152	2.138	6.6	18.1
10 8	1 2.48	− 4 13.2	1.136	2.127	4.8	17.9
10 18	0 53.41	− 4 59.2	1.145	2.116	8.1	18.1
10 28	0 45.51	− 5 23.6	1.177	2.107	12.8	18.3
11 7	0 39.91	− 5 22.8	1.230	2.098	17.1	18.6
11 17	0 37.27	− 4 56.8	1.301	2.090	20.8	18.8

92132 1999 XK_{109} 10 9.7 213.°79 4.°0/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.70	− 5 10.3	2.289	3.176	10.2	19.1
9 18	1 17.13	− 5 52.9	2.229	3.174	7.4	18.9
9 28	1 10.12	− 6 34.3	2.195	3.172	4.8	18.7
10 8	1 2.29	− 7 9.4	2.189	3.170	4.1	18.7
10 18	0 54.40	− 7 33.9	2.211	3.168	6.0	18.8
10 28	0 47.23	− 7 44.1	2.261	3.166	8.8	19.0
11 7	0 41.44	− 7 38.7	2.336	3.163	11.5	19.1
11 17	0 37.45	− 7 17.6	2.432	3.161	13.8	19.3

403761 2011 BR_{85} 10 9.7 320.°06 6.°9/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.38	−10 41.1	1.867	2.764	11.6	20.1
9 18	1 15.85	−11 57.8	1.805	2.748	9.0	19.9
9 28	1 9.56	−13 9.8	1.768	2.732	7.1	19.7
10 8	1 2.22	−14 9.2	1.756	2.716	7.3	19.7
10 18	0 54.71	−14 49.0	1.770	2.701	9.3	19.8
10 28	0 47.98	−15 4.7	1.809	2.686	12.2	20.0
11 7	0 42.84	−14 55.2	1.870	2.672	15.0	20.1
11 17	0 39.81	−14 22.0	1.948	2.658	17.4	20.3

72765 2001 FK_{144} 10 9.7 222.°99 1.°5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.97	+ 5 20.5	2.153	3.030	11.1	20.0
9 18	1 16.78	+ 4 14.1	2.077	3.021	7.9	19.7
9 28	1 10.01	+ 2 58.5	2.028	3.013	4.3	19.5
10 8	1 2.31	+ 1 39.4	2.006	3.003	1.5	19.3
10 18	0 54.46	+ 0 23.1	2.015	2.994	4.3	19.5
10 28	0 47.30	− 0 43.7	2.052	2.983	8.0	19.7
11 7	0 41.55	− 1 36.2	2.115	2.973	11.4	19.9
11 17	0 37.71	− 2 11.4	2.200	2.962	14.2	20.1

220801 2004 TD_{223} 10 9.7 1.°43 7.°8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.15	−12 57.7	1.782	2.679	12.0	19.0
9 18	1 15.64	−14 23.5	1.739	2.678	9.5	18.9
9 28	1 9.40	−15 41.0	1.721	2.678	8.0	18.8
10 8	1 2.22	−16 41.6	1.728	2.678	8.3	18.8
10 18	0 55.00	−17 19.1	1.760	2.679	10.2	18.9
10 28	0 48.69	−17 29.9	1.816	2.680	12.8	19.1
11 7	0 44.05	−17 14.1	1.893	2.682	15.3	19.3
11 17	0 41.53	−16 34.3	1.987	2.684	17.5	19.5

45559 2000 CB_{53} 10 9.7 311°.98 3°.8/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.63	− 1 45.5	2.107	3.002	10.6	18.6
9 18	1 14.42	− 3 8.5	2.042	2.993	7.5	18.4
9 28	1 8.71	− 4 34.8	2.003	2.985	4.7	18.2
10 8	1 2.13	− 5 57.5	1.992	2.977	4.0	18.1
10 18	0 55.43	− 7 9.8	2.009	2.969	6.3	18.3
10 28	0 49.41	− 8 5.8	2.054	2.961	9.4	18.4
11 7	0 44.74	− 8 42.2	2.122	2.954	12.4	18.6
11 17	0 41.89	− 8 57.8	2.211	2.946	14.9	18.8

518699 2008 YL_{175} 10 9.7 130°.80 2°.7/12.3 18

9 8	1 23.31	+16 34.8	1.835	2.682	14.1	21.8
9 18	1 17.99	+16 15.0	1.765	2.684	10.7	21.6
9 28	1 10.78	+15 37.2	1.718	2.686	6.9	21.3
10 8	1 2.46	+14 43.9	1.697	2.688	3.4	21.1
10 18	0 54.01	+13 40.3	1.703	2.690	3.7	21.2
10 28	0 46.45	+12 33.5	1.738	2.692	7.4	21.4
11 7	0 40.65	+11 30.9	1.798	2.693	11.1	21.6
11 17	0 37.11	+10 38.6	1.881	2.695	14.3	21.8

406990 2009 RV_{37} 10 9.7 4°.38 0°.1/ 9.7 18

9 8	1 20.75	+ 8 20.4	1.648	2.532	13.6	20.5
9 18	1 16.25	+ 7 59.3	1.587	2.532	9.8	20.3
9 28	1 9.84	+ 7 26.9	1.549	2.533	5.5	20.0
10 8	1 2.33	+ 6 47.4	1.536	2.534	0.8	19.7
10 18	0 54.70	+ 6 6.5	1.549	2.537	3.8	19.9
10 28	0 47.99	+ 5 30.3	1.590	2.540	8.3	20.2
11 7	0 43.06	+ 5 4.4	1.654	2.544	12.2	20.5
11 17	0 40.43	+ 4 52.1	1.741	2.549	15.5	20.7

452748 2006 BQ_{179} 10 9.7 240°.19 1°.7/11.6 17

9 8	1 22.02	+13 47.9	2.508	3.353	10.9	22.1
9 18	1 16.71	+13 35.4	2.423	3.344	8.1	21.9
9 28	1 9.97	+13 11.3	2.363	3.335	5.0	21.7
10 8	1 2.35	+12 37.6	2.331	3.325	2.1	21.5
10 18	0 54.55	+11 57.5	2.329	3.316	2.8	21.5
10 28	0 47.34	+11 15.5	2.356	3.306	6.0	21.7
11 7	0 41.38	+10 36.3	2.411	3.296	9.0	21.9
11 17	0 37.14	+10 3.9	2.490	3.286	11.8	22.1

437126 2012 UA_{148} 10 9.7 59°.30 1°.1/ 8.7 17

9 8	1 22.51	+ 8 1.1	1.464	2.351	14.8	20.9
9 18	1 17.49	+ 6 50.0	1.419	2.368	10.4	20.7
9 28	1 10.47	+ 5 25.8	1.398	2.384	5.6	20.5
10 8	1 2.42	+ 3 56.6	1.403	2.402	1.1	20.2
10 18	0 54.44	+ 2 31.5	1.435	2.419	4.8	20.5
10 28	0 47.65	+ 1 19.3	1.493	2.437	9.4	20.8
11 7	0 42.86	+ 0 26.0	1.575	2.454	13.4	21.1
11 17	0 40.51	− 0 5.8	1.678	2.472	16.6	21.4

125283 2001 VN_{18} 10 9.7 265°.28 0°.1/ 9.7 18

9 8	1 24.90	+ 8 40.3	1.685	2.560	13.8	20.6
9 18	1 19.36	+ 8 12.3	1.606	2.547	10.0	20.3
9 28	1 11.67	+ 7 31.5	1.551	2.534	5.6	20.0
10 8	1 2.63	+ 6 42.2	1.522	2.520	0.8	19.7
10 18	0 53.28	+ 5 50.2	1.520	2.507	4.1	19.9
10 28	0 44.80	+ 5 2.7	1.546	2.493	8.8	20.1
11 7	0 38.18	+ 4 26.0	1.596	2.479	13.0	20.3
11 17	0 34.04	+ 4 4.3	1.668	2.465	16.6	20.6

516826 2010 TC_{67} 10 9.7 58°.15 0°.3/ 9.4 18

9 8	1 20.03	+ 9 46.9	1.901	2.776	12.5	20.8
9 18	1 15.48	+ 8 38.6	1.841	2.782	8.9	20.6
9 28	1 9.31	+ 7 17.2	1.806	2.790	4.9	20.3
10 8	1 2.26	+ 5 48.9	1.798	2.797	0.7	20.0
10 18	0 55.16	+ 4 20.8	1.818	2.804	3.7	20.3
10 28	0 48.91	+ 3 0.7	1.867	2.811	7.7	20.6
11 7	0 44.21	+ 1 54.6	1.942	2.819	11.3	20.8
11 17	0 41.52	+ 1 6.2	2.039	2.826	14.3	21.0

14729 2000 DK_{16} 10 9.7 244°.14 0°.4/10.0 18

9 8	1 24.15	+ 9 9.5	2.000	2.867	12.3	18.2
9 18	1 18.49	+ 8 50.7	1.924	2.860	8.9	18.0
9 28	1 11.04	+ 8 21.3	1.872	2.853	5.1	17.8
10 8	1 2.53	+ 7 44.5	1.847	2.846	0.9	17.5
10 18	0 53.81	+ 7 4.9	1.851	2.838	3.4	17.6
10 28	0 45.86	+ 6 27.9	1.884	2.831	7.5	17.9
11 7	0 39.49	+ 5 58.5	1.942	2.823	11.1	18.1
11 17	0 35.24	+ 5 40.4	2.023	2.815	14.3	18.3

185936 2000 VJ_{7} 10 9.7 43°.58 1°.0/10.7 18

9 8	1 20.95	+12 14.6	1.876	2.742	13.0	19.8
9 18	1 16.19	+11 36.0	1.815	2.749	9.5	19.6
9 28	1 9.74	+10 43.0	1.777	2.756	5.5	19.4
10 8	1 2.34	+ 9 40.1	1.765	2.763	1.5	19.1
10 18	0 54.88	+ 8 33.1	1.782	2.770	3.3	19.3
10 28	0 48.29	+ 7 29.0	1.827	2.778	7.3	19.6
11 7	0 43.31	+ 6 34.0	1.897	2.785	10.9	19.8
11 17	0 40.41	+ 5 52.5	1.990	2.793	14.0	20.0

507402 2012 JW_{36} 10 9.7 179°.69 1°.6/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 27.16	+ 4 38.7	1.794	2.671	13.0	22.5
9 18	1 20.69	+ 3 55.5	1.729	2.673	9.2	22.2
9 28	1 12.27	+ 3 4.1	1.690	2.674	5.0	22.0
10 8	1 2.72	+ 2 9.8	1.677	2.675	1.6	21.8
10 18	0 53.07	+ 1 19.1	1.693	2.674	4.7	22.0
10 28	0 44.38	+ 0 38.1	1.738	2.673	8.9	22.2
11 7	0 37.53	+ 0 11.3	1.807	2.672	12.7	22.5
11 17	0 33.04	+ 0 1.1	1.898	2.669	15.8	22.7

275412 2011 BU_{62} 10 9.7 260°.64 5°.7/15.9 17

9 8	1 25.09	+26 10.7	2.544	3.321	12.7	21.1
9 18	1 19.10	+26 45.7	2.454	3.313	10.5	20.9
9 28	1 11.41	+27 3.7	2.387	3.305	8.2	20.8
10 8	1 2.63	+27 3.5	2.345	3.296	6.3	20.6
10 18	0 53.55	+26 45.8	2.331	3.288	5.8	20.6
10 28	0 45.06	+26 13.8	2.346	3.279	7.0	20.7
11 7	0 37.95	+25 32.8	2.387	3.271	9.2	20.8
11 17	0 32.78	+24 48.7	2.454	3.262	11.5	20.9

99747 2002 JK_{74} 10 9.7 77°.06 3°.7/ 5.4 18

9 8	1 20.36	− 2 5.4	2.125	3.016	10.6	19.4
9 18	1 15.53	− 3 19.1	2.078	3.027	7.5	19.2
9 28	1 9.29	− 4 34.1	2.057	3.038	4.7	19.1
10 8	1 2.29	− 5 44.1	2.064	3.049	3.8	19.0
10 18	0 55.31	− 6 43.0	2.099	3.059	6.0	19.2
10 28	0 49.10	− 7 26.1	2.161	3.070	8.9	19.4
11 7	0 44.29	− 7 50.9	2.249	3.081	11.7	19.6
11 17	0 41.29	− 7 57.1	2.357	3.092	14.1	19.8

158810 2003 TY_{9} 10 9.7 79°.98 7°.0/18.8 18

9 8	1 22.48	+32 1.6	2.371	3.119	14.3	19.0
9 18	1 17.27	+32 14.3	2.294	3.124	12.1	18.8
9 28	1 10.36	+32 4.1	2.237	3.129	9.9	18.7
10 8	1 2.47	+31 30.3	2.203	3.134	7.9	18.6
10 18	0 54.42	+30 34.6	2.196	3.138	7.0	18.5
10 28	0 47.15	+29 21.8	2.215	3.143	7.7	18.6
11 7	0 41.42	+27 59.0	2.261	3.148	9.5	18.7
11 17	0 37.72	+26 33.9	2.332	3.153	11.7	18.8

483072 2015 LJ_{30} 10 9.7 12°.20 8°.2/ 2.3 18

9 8	1 23.46	−12 42.6	1.604	2.501	13.2	20.9
9 18	1 18.17	−14 2.3	1.562	2.502	10.3	20.7
9 28	1 10.90	−15 12.9	1.544	2.503	8.5	20.6
10 8	1 2.56	−16 5.3	1.551	2.505	8.6	20.6
10 18	0 54.21	−16 32.9	1.582	2.507	10.7	20.8
10 28	0 46.95	−16 32.3	1.637	2.509	13.5	20.9
11 7	0 41.61	−16 4.2	1.712	2.512	16.2	21.1
11 17	0 38.67	−15 11.9	1.806	2.515	18.6	21.3

325760 2009 WN_{248} 10 9.7 358°.33 7°.3/ 1.2 18

9 8	1 21.20	−15 6.7	2.166	3.051	10.7	20.2
9 18	1 16.19	−16 20.6	2.122	3.051	8.7	20.0
9 28	1 9.69	−17 25.5	2.104	3.050	7.4	20.0
10 8	1 2.39	−18 14.9	2.111	3.050	7.7	20.0
10 18	0 55.06	−18 43.7	2.145	3.050	9.3	20.1
10 28	0 48.51	−18 49.2	2.203	3.050	11.5	20.2
11 7	0 43.40	−18 31.6	2.283	3.050	13.6	20.4
11 17	0 40.17	−17 53.0	2.381	3.051	15.5	20.6

518755 2009 SZ_{371} 10 9.7 352°.88 3°.5/ 6.4 18

9 8	1 23.33	− 3 11.9	2.076	2.964	11.0	21.0
9 18	1 17.76	− 3 43.2	2.016	2.963	7.9	20.8
9 28	1 10.60	− 4 14.5	1.981	2.962	4.8	20.7
10 8	1 2.54	− 4 40.9	1.973	2.961	3.6	20.6
10 18	0 54.41	− 4 57.9	1.994	2.960	5.7	20.7
10 28	0 47.08	− 5 1.9	2.042	2.960	8.9	20.9
11 7	0 41.24	− 4 51.1	2.115	2.960	11.9	21.1
11 17	0 37.37	− 4 25.4	2.210	2.959	14.5	21.3

239846 1999 TZ_{175} 10 9.7 351°.12 2°.8/ 8.6 18

9 8	1 32.12	− 1 54.7	1.234	2.130	16.3	19.1
9 18	1 25.06	− 1 16.2	1.171	2.122	11.8	18.8
9 28	1 15.06	− 0 35.1	1.130	2.115	6.8	18.5
10 8	1 3.24	+ 0 11.9	1.113	2.110	2.9	18.3
10 18	0 51.13	+ 1 7.1	1.123	2.105	6.2	18.4
10 28	0 40.41	+ 2 11.7	1.158	2.102	11.4	18.7
11 7	0 32.37	+ 3 25.7	1.216	2.101	16.1	19.0
11 17	0 27.72	+ 4 48.2	1.294	2.100	20.0	19.3

288125 2003 WT_{76} 10 9.7 292°.56 5°.0/13.4 18

9 8	1 24.88	+19 30.1	1.394	2.244	17.6	20.6
9 18	1 19.96	+19 36.1	1.310	2.226	13.9	20.3
9 28	1 12.33	+19 17.2	1.246	2.208	9.7	20.0
10 8	1 2.85	+18 33.3	1.205	2.190	5.8	19.8
10 18	0 52.82	+17 28.4	1.188	2.172	5.6	19.7
10 28	0 43.76	+16 11.0	1.198	2.155	9.5	19.9
11 7	0 36.99	+14 52.7	1.230	2.137	14.2	20.1
11 17	0 33.33	+13 43.7	1.283	2.120	18.4	20.3

171283 2006 FK_{47} 10 9.7 72°.26 8°.7/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 30.10	−10 43.2	1.214	2.115	16.2	19.3
9 18	1 22.98	−12 3.2	1.194	2.139	12.3	19.2
9 28	1 13.50	−13 11.6	1.195	2.163	9.3	19.1
10 8	1 2.95	−13 57.9	1.221	2.187	9.0	19.1
10 18	0 52.79	−14 15.4	1.271	2.211	11.3	19.3
10 28	0 44.36	−14 2.2	1.343	2.235	14.6	19.6
11 7	0 38.53	−13 21.1	1.436	2.258	17.7	19.9
11 17	0 35.64	−12 17.1	1.546	2.281	20.3	20.1

214005 2004 CO_2 10 9.7 228°.34 2°.0/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.38	+ 3 47.1	2.083	2.965	11.2	20.0
9 18	1 16.44	+ 2 40.2	2.012	2.959	7.9	19.8
9 28	1 9.91	+ 1 25.6	1.968	2.953	4.3	19.6
10 8	1 2.46	+ 0 9.1	1.951	2.947	2.0	19.4
10 18	0 54.87	− 1 2.6	1.964	2.940	4.7	19.6
10 28	0 48.01	− 2 3.2	2.005	2.934	8.3	19.8
11 7	0 42.58	− 2 48.3	2.071	2.927	11.7	20.0
11 17	0 39.07	− 3 15.4	2.159	2.919	14.5	20.2

446586 2014 PO_{11} 10 9.7 6°.39 5°.0/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.66	− 5 32.7	1.996	2.893	11.0	20.3
9 18	1 15.20	− 6 53.9	1.944	2.893	8.0	20.1
9 28	1 9.20	− 8 14.3	1.918	2.893	5.6	20.0
10 8	1 2.35	− 9 26.5	1.919	2.894	5.3	20.0
10 18	0 55.43	−10 24.0	1.947	2.895	7.4	20.1
10 28	0 49.29	−11 1.9	2.001	2.897	10.3	20.3
11 7	0 44.62	−11 18.2	2.079	2.898	13.1	20.5
11 17	0 41.84	−11 13.2	2.176	2.900	15.4	20.6

340331 2006 DP_{38} 10 9.7 207°.42 0°.9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.73	+10 39.7	1.944	2.805	12.9	21.9
9 18	1 19.69	+10 22.9	1.869	2.801	9.4	21.7
9 28	1 11.78	+ 9 53.9	1.819	2.798	5.5	21.5
10 8	1 2.75	+ 9 15.9	1.796	2.793	1.4	21.2
10 18	0 53.53	+ 8 33.4	1.801	2.789	3.4	21.3
10 28	0 45.13	+ 7 52.2	1.835	2.784	7.5	21.6
11 7	0 38.41	+ 7 17.7	1.895	2.778	11.3	21.8
11 17	0 33.91	+ 6 54.1	1.978	2.772	14.4	22.0

241473 2009 BK_{11} 10 9.7 133°.25 3°.7/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.65	+20 56.1	2.385	3.196	12.4	20.7
9 18	1 18.60	+20 46.7	2.318	3.210	9.7	20.5
9 28	1 11.03	+20 20.6	2.274	3.223	6.8	20.3
10 8	1 2.62	+19 39.1	2.257	3.235	4.3	20.2
10 18	0 54.17	+18 45.7	2.269	3.247	3.9	20.2
10 28	0 46.49	+17 45.6	2.310	3.259	6.2	20.4
11 7	0 40.27	+16 44.8	2.379	3.270	8.9	20.6
11 17	0 35.95	+15 48.9	2.473	3.280	11.5	20.8

156093 2001 SH_{209} 10 9.7 288°.84 1°.6/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.85	+ 4 51.3	1.517	2.406	14.3	20.5
9 18	1 19.52	+ 4 15.8	1.443	2.392	10.2	20.2
9 28	1 11.88	+ 3 30.0	1.391	2.377	5.6	19.9
10 8	1 2.78	+ 2 39.8	1.365	2.363	1.6	19.6
10 18	0 53.36	+ 1 52.1	1.366	2.349	5.2	19.9
10 28	0 44.87	+ 1 14.4	1.392	2.334	10.0	20.1
11 7	0 38.40	+ 0 52.3	1.442	2.320	14.4	20.3
11 17	0 34.60	+ 0 48.6	1.512	2.306	18.1	20.6

376448 2012 HX_{56} 10 9.7 104°.74 1°.9/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.58	+ 4 53.1	1.594	2.478	14.0	21.1
9 18	1 20.27	+ 3 48.6	1.551	2.498	9.8	20.9
9 28	1 12.01	+ 2 35.5	1.531	2.517	5.3	20.7
10 8	1 2.77	+ 1 21.1	1.539	2.535	1.9	20.5
10 18	0 53.64	+ 0 13.3	1.574	2.554	5.2	20.7
10 28	0 45.70	− 0 40.9	1.636	2.571	9.4	21.0
11 7	0 39.77	− 1 17.0	1.723	2.588	13.1	21.3
11 17	0 36.28	− 1 33.3	1.831	2.605	16.2	21.6

247757 2003 PM_8 10 9.7 33°.79 3°.9/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.69	+ 3 16.4	0.912	1.831	18.3	19.3
9 18	1 17.62	+ 1 47.6	0.884	1.848	12.8	19.0
9 28	1 10.79	+ 0 9.2	0.876	1.866	7.0	18.8
10 8	1 2.59	− 1 25.3	0.890	1.885	4.0	18.7
10 18	0 54.59	− 2 42.9	0.926	1.905	8.0	19.0
10 28	0 48.31	− 3 33.9	0.985	1.926	13.2	19.4
11 7	0 44.74	− 3 54.6	1.062	1.949	17.7	19.7
11 17	0 44.24	− 3 46.3	1.157	1.972	21.4	20.0

186301 2002 CG_{103} 10 9.7 118°.47 2°.3/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.47	+ 1 17.3	2.340	3.223	10.2	20.0
9 18	1 16.25	+ 0 24.2	2.286	3.233	7.1	19.9
9 28	1 9.71	− 0 32.6	2.258	3.242	4.0	19.7
10 8	1 2.44	− 1 28.0	2.259	3.252	2.3	19.6
10 18	0 55.17	− 2 17.2	2.289	3.261	4.5	19.8
10 28	0 48.61	− 2 55.7	2.347	3.271	7.6	20.0
11 7	0 43.36	− 3 20.6	2.431	3.280	10.4	20.2
11 17	0 39.82	− 3 30.6	2.538	3.288	12.8	20.4

48315 2002 NX_{15} 10 9.7 39°.67 7°.7/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.03	− 9 8.9	1.352	2.259	14.4	18.8
9 18	1 17.92	−10 37.4	1.328	2.277	10.8	18.7
9 28	1 10.76	−11 57.7	1.326	2.296	8.2	18.6
10 8	1 2.59	−12 59.7	1.348	2.316	8.1	18.6
10 18	0 54.61	−13 36.1	1.394	2.336	10.4	18.8
10 28	0 47.95	−13 43.7	1.464	2.356	13.5	19.1
11 7	0 43.42	−13 23.3	1.554	2.378	16.5	19.3
11 17	0 41.40	−12 38.6	1.662	2.399	19.0	19.6

156050 2001 SX_{40} 10 9.7 339°.62 2°.0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.20	+ 3 8.7	1.179	2.083	16.3	18.8
9 18	1 19.49	+ 2 54.3	1.115	2.071	11.7	18.5
9 28	1 12.03	+ 2 31.7	1.072	2.060	6.5	18.2
10 8	1 2.83	+ 2 7.0	1.052	2.050	2.1	17.9
10 18	0 53.29	+ 1 47.2	1.057	2.041	6.0	18.1
10 28	0 44.97	+ 1 39.2	1.085	2.033	11.4	18.4
11 7	0 39.10	+ 1 47.8	1.134	2.027	16.3	18.7
11 17	0 36.40	+ 2 14.6	1.202	2.021	20.5	18.9

48634 1995 SE_{44} 10 9.7 90°.34 0°.4/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.69	+ 9 2.8	2.525	3.387	10.2	18.8
9 18	1 16.41	+ 8 48.8	2.457	3.391	7.4	18.6
9 28	1 9.82	+ 8 26.7	2.415	3.395	4.2	18.4
10 8	1 2.48	+ 7 59.2	2.400	3.398	0.8	18.2
10 18	0 55.05	+ 7 29.7	2.415	3.402	2.7	18.4
10 28	0 48.26	+ 7 2.1	2.460	3.406	6.0	18.6
11 7	0 42.70	+ 6 39.9	2.531	3.410	9.0	18.8
11 17	0 38.78	+ 6 25.9	2.627	3.414	11.5	19.0

332017 2005 NF_{86} 10 9.7 82°.45 0°.6/ 9.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.73	+ 7 52.6	1.442	2.324	15.3	21.9
9 18	1 20.55	+ 7 6.1	1.399	2.344	10.8	21.7
9 28	1 12.24	+ 6 7.3	1.379	2.363	5.9	21.4
10 8	1 2.84	+ 5 2.7	1.384	2.383	0.9	21.1
10 18	0 53.56	+ 4 0.2	1.417	2.402	4.5	21.5
10 28	0 45.58	+ 3 7.7	1.476	2.421	9.3	21.8
11 7	0 39.79	+ 2 30.7	1.559	2.440	13.4	22.1
11 17	0 36.62	+ 2 11.9	1.663	2.458	16.7	22.3

107523 2001 DZ_{60} 10 9.7 209°.39 2°.6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 27.32	+14 48.3	1.631	2.486	15.2	19.8
9 18	1 21.19	+14 40.1	1.558	2.482	11.5	19.5
9 28	1 12.78	+14 14.1	1.507	2.479	7.2	19.3
10 8	1 2.96	+13 32.4	1.481	2.475	3.2	19.0
10 18	0 52.89	+12 40.0	1.483	2.470	4.0	19.1
10 28	0 43.82	+11 44.2	1.512	2.466	8.3	19.3
11 7	0 36.78	+10 52.9	1.567	2.460	12.5	19.6
11 17	0 32.41	+10 12.5	1.643	2.455	16.2	19.8

411158 2010 AL_{136} 10 9.7 253°.08 1°.4/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.91	+14 40.8	2.604	3.447	10.6	21.2
9 18	1 15.25	+14 0.1	2.513	3.433	7.9	21.0
9 28	1 9.24	+13 6.1	2.448	3.419	4.8	20.8
10 8	1 2.42	+12 1.6	2.410	3.405	1.9	20.6
10 18	0 55.44	+10 50.8	2.403	3.391	2.6	20.6
10 28	0 48.99	+ 9 39.1	2.426	3.376	5.8	20.8
11 7	0 43.70	+ 8 32.1	2.476	3.361	8.9	21.0
11 17	0 40.01	+ 7 34.2	2.551	3.346	11.6	21.2

290060 2005 QF_{62} 10 9.7 184°.94 2°.2/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 27.67	+13 29.6	1.660	2.517	14.9	20.9
9 18	1 21.36	+13 28.3	1.591	2.518	11.1	20.7
9 28	1 12.83	+13 11.1	1.544	2.517	6.9	20.5
10 8	1 2.97	+12 40.3	1.523	2.517	2.8	20.2
10 18	0 52.90	+12 0.5	1.529	2.516	3.9	20.3
10 28	0 43.85	+11 18.0	1.563	2.516	8.2	20.5
11 7	0 36.80	+10 39.9	1.622	2.514	12.3	20.8
11 17	0 32.36	+10 11.7	1.704	2.513	15.8	21.0

329905 2005 JC_{100} 10 9.7 126°.55 3°.1/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.37	+ 2 5.8	1.551	2.443	13.9	21.4
9 18	1 19.58	+ 0 52.8	1.501	2.451	9.8	21.2
9 28	1 11.75	− 0 27.0	1.474	2.459	5.5	20.9
10 8	1 2.81	− 1 45.4	1.474	2.467	3.2	20.8
10 18	0 53.86	− 2 53.9	1.501	2.475	6.2	21.0
10 28	0 46.04	− 3 45.4	1.555	2.482	10.4	21.3
11 7	0 40.21	− 4 15.6	1.632	2.489	14.2	21.5
11 17	0 36.87	− 4 23.8	1.729	2.496	17.3	21.8

254431 2004 XL_{162} 10 9.7 307°.18 4°.8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.85	− 1 52.3	1.230	2.134	15.8	19.8
9 18	1 21.29	− 2 38.5	1.168	2.124	11.4	19.5
9 28	1 13.00	− 3 28.0	1.129	2.113	6.9	19.2
10 8	1 3.03	− 4 12.0	1.113	2.103	4.9	19.1
10 18	0 52.76	− 4 41.7	1.121	2.094	8.1	19.2
10 28	0 43.75	− 4 50.4	1.154	2.084	12.9	19.5
11 7	0 37.20	− 4 35.1	1.207	2.075	17.4	19.7
11 17	0 33.80	− 3 56.6	1.279	2.067	21.2	19.9

268899 2007 BY_{49} 10 9.7 207°.59 0°.5/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 25.39	+10 31.7	1.832	2.697	13.3	21.6
9 18	1 19.56	+ 9 57.3	1.758	2.693	9.7	21.4
9 28	1 11.78	+ 9 9.3	1.708	2.689	5.6	21.2
10 8	1 2.84	+ 8 11.8	1.685	2.684	1.1	20.8
10 18	0 53.70	+ 7 10.5	1.691	2.678	3.6	21.0
10 28	0 45.43	+ 6 12.5	1.725	2.672	8.0	21.3
11 7	0 38.91	+ 5 24.2	1.784	2.666	11.9	21.5
11 17	0 34.71	+ 4 49.9	1.866	2.659	15.2	21.7

215779 2004 HY_{65} 10 9.7 96°.36 3°.8/ 5.6 18

9 8	1 22.09	− 2 24.0	2.062	2.952	11.0	20.5
9 18	1 16.82	− 3 34.3	2.017	2.965	7.8	20.3
9 28	1 10.08	− 4 45.5	1.998	2.978	4.8	20.2
10 8	1 2.57	− 5 51.2	2.006	2.991	3.9	20.2
10 18	0 55.08	− 6 45.3	2.043	3.004	6.1	20.3
10 28	0 48.44	− 7 23.4	2.108	3.017	9.1	20.5
11 7	0 43.27	− 7 43.0	2.196	3.029	12.0	20.7
11 17	0 40.00	− 7 44.1	2.306	3.041	14.3	20.9

73917 1997 HS_{1} 10 9.8 26°.47 0°.1/ 9.8 18

9 8	1 22.58	+ 9 9.1	1.383	2.271	15.5	18.3
9 18	1 17.83	+ 8 37.1	1.332	2.279	11.1	18.1
9 28	1 10.88	+ 7 50.7	1.303	2.287	6.2	17.9
10 8	1 2.71	+ 6 55.6	1.298	2.297	1.0	17.5
10 18	0 54.50	+ 5 59.3	1.319	2.307	4.3	17.8
10 28	0 47.46	+ 5 9.9	1.365	2.317	9.2	18.1
11 7	0 42.52	+ 4 33.9	1.435	2.329	13.5	18.4
11 17	0 40.21	+ 4 14.8	1.526	2.341	17.0	18.7

472789 2015 FL_{151} 10 9.8 149°.51 1°.5/ 8.5 16

9 8	1 27.70	+ 4 3.1	1.757	2.635	13.2	21.7
9 18	1 21.13	+ 3 33.8	1.697	2.642	9.3	21.5
9 28	1 12.60	+ 2 57.5	1.663	2.647	5.1	21.2
10 8	1 2.98	+ 2 19.1	1.655	2.653	1.5	21.0
10 18	0 53.29	+ 1 44.3	1.676	2.658	4.6	21.2
10 28	0 44.62	+ 1 18.5	1.724	2.662	8.8	21.5
11 7	0 37.83	+ 1 5.5	1.798	2.666	12.5	21.7
11 17	0 33.43	+ 1 7.3	1.893	2.670	15.6	22.0

386811 2010 FX_{26} 10 9.8 144°.32 0°.2/ 9.5 18

9 8	1 23.89	+ 8 44.6	2.023	2.891	12.1	21.9
9 18	1 18.23	+ 8 0.5	1.961	2.899	8.7	21.7
9 28	1 10.93	+ 7 5.6	1.923	2.906	4.8	21.4
10 8	1 2.73	+ 6 4.7	1.914	2.912	0.7	21.2
10 18	0 54.47	+ 5 3.4	1.933	2.919	3.5	21.4
10 28	0 47.06	+ 4 7.8	1.981	2.925	7.4	21.7
11 7	0 41.21	+ 3 23.1	2.056	2.930	10.9	21.9
11 17	0 37.39	+ 2 52.5	2.153	2.935	13.8	22.1

404435 2013 GV_{96} 10 9.8 120°.14 2°.2/ 7.3 18

9 8	1 22.64	+ 0 41.1	2.395	3.275	10.0	21.1
9 18	1 17.10	+ 0 4.2	2.339	3.284	7.1	20.9
9 28	1 10.22	− 0 35.4	2.309	3.293	4.0	20.8
10 8	1 2.62	− 1 13.6	2.308	3.302	2.2	20.7
10 18	0 55.00	− 1 46.2	2.336	3.310	4.4	20.8
10 28	0 48.09	− 2 9.2	2.393	3.318	7.4	21.0
11 7	0 42.49	− 2 20.3	2.476	3.326	10.2	21.2
11 17	0 38.60	− 2 18.4	2.582	3.334	12.6	21.4

173040 2006 QV_{92} 10 9.8 75°.34 6°.2/15.6 18

9 8	1 25.61	+24 58.8	1.910	2.712	15.4	20.4
9 18	1 19.85	+25 23.3	1.834	2.712	12.6	20.2
9 28	1 12.03	+25 25.7	1.780	2.713	9.6	20.0
10 8	1 2.92	+25 5.4	1.750	2.713	7.0	19.9
10 18	0 53.56	+24 24.2	1.746	2.713	6.3	19.9
10 28	0 45.08	+23 27.8	1.769	2.714	8.1	20.0
11 7	0 38.44	+22 24.1	1.819	2.714	11.0	20.2
11 17	0 34.23	+21 21.2	1.891	2.715	13.9	20.3

102391 1999 TH_{157} 10 9.8 286°.26 2°.5/11.4 18

9 8	1 28.65	+12 38.6	1.767	2.622	14.2	18.9
9 18	1 22.29	+13 1.4	1.673	2.599	10.8	18.7
9 28	1 13.55	+13 11.5	1.603	2.576	6.8	18.4
10 8	1 3.18	+13 9.7	1.559	2.552	3.0	18.1
10 18	0 52.25	+12 58.2	1.542	2.529	4.0	18.1
10 28	0 42.03	+12 41.6	1.554	2.505	8.3	18.3
11 7	0 33.66	+12 25.8	1.591	2.482	12.6	18.5
11 17	0 27.92	+12 16.1	1.651	2.458	16.3	18.7

230245 2001 UF_{177} 10 9.8 310°.75 0°.2/ 9.9 18

9 8	1 23.77	+ 8 48.9	1.393	2.279	15.5	20.4
9 18	1 19.01	+ 8 26.2	1.316	2.262	11.3	20.1
9 28	1 11.77	+ 7 48.7	1.261	2.245	6.4	19.7
10 8	1 2.90	+ 7 0.7	1.230	2.229	1.0	19.3
10 18	0 53.61	+ 6 9.1	1.225	2.213	4.5	19.6
10 28	0 45.29	+ 5 22.2	1.245	2.197	9.9	19.8
11 7	0 39.11	+ 4 47.5	1.289	2.182	14.7	20.1
11 17	0 35.79	+ 4 30.0	1.351	2.168	18.8	20.3

303653 2005 LZ_{20} 10 9.8 23°.02 4°.0/ 6.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.41	+ 0 18.5	1.411	2.317	14.0	20.4
9 18	1 16.18	− 0 56.5	1.368	2.325	9.9	20.2
9 28	1 9.93	− 2 16.2	1.348	2.334	5.8	19.9
10 8	1 2.60	− 3 31.5	1.353	2.345	4.1	19.9
10 18	0 55.27	− 4 33.7	1.384	2.356	7.0	20.1
10 28	0 49.06	− 5 15.8	1.440	2.367	11.1	20.4
11 7	0 44.81	− 5 34.7	1.517	2.380	14.8	20.6
11 17	0 42.97	− 5 30.2	1.614	2.393	17.8	20.9

198246 2004 TS_{211} 10 9.8 7°.38 3°.5/13.2 18

9 8	1 19.04	+20 23.4	1.360	2.217	17.6	19.1
9 18	1 15.50	+19 20.6	1.295	2.217	13.6	18.9
9 28	1 9.70	+17 47.3	1.250	2.218	9.0	18.6
10 8	1 2.58	+15 48.6	1.229	2.220	4.5	18.4
10 18	0 55.33	+13 34.4	1.234	2.223	4.4	18.4
10 28	0 49.20	+11 18.6	1.265	2.226	8.7	18.6
11 7	0 45.18	+ 9 14.4	1.321	2.230	13.2	18.9
11 17	0 43.81	+ 7 31.7	1.399	2.235	17.2	19.2

182321 2001 OA_{104} 10 9.8 44°.86 1°.6/10.9 18

9 8	1 25.93	+12 7.3	1.180	2.063	17.9	19.7
9 18	1 20.38	+11 49.7	1.141	2.083	13.0	19.4
9 28	1 12.33	+11 13.1	1.122	2.103	7.6	19.2
10 8	1 2.96	+10 22.8	1.126	2.123	2.3	19.0
10 18	0 53.71	+ 9 26.7	1.155	2.144	4.4	19.2
10 28	0 46.00	+ 8 34.1	1.209	2.166	9.5	19.5
11 7	0 40.79	+ 7 53.0	1.286	2.188	14.1	19.8
11 17	0 38.57	+ 7 28.0	1.383	2.210	17.8	20.2

215275 2001 PU_{65} 10 9.8 7°.43 2°.1/ 8.1 18

9 8	1 24.27	+ 2 18.9	1.626	2.517	13.4	19.6
9 18	1 18.84	+ 1 54.2	1.568	2.517	9.5	19.4
9 28	1 11.41	+ 1 24.0	1.532	2.518	5.2	19.2
10 8	1 2.84	+ 0 53.6	1.523	2.520	2.1	19.0
10 18	0 54.15	+ 0 28.5	1.541	2.522	5.1	19.2
10 28	0 46.47	+ 0 14.1	1.585	2.524	9.3	19.4
11 7	0 40.66	+ 0 13.6	1.654	2.527	13.2	19.7
11 17	0 37.27	+ 0 28.6	1.743	2.530	16.4	19.9

40155 1998 QA_{84} 10 9.8 44°.08 3°.7/14.1 18

9 8	1 20.05	+21 56.8	1.806	2.636	15.0	18.5
9 18	1 15.65	+21 2.8	1.751	2.655	11.7	18.3
9 28	1 9.54	+19 45.3	1.718	2.675	8.0	18.2
10 8	1 2.54	+18 8.6	1.710	2.694	4.6	18.0
10 18	0 55.59	+16 19.8	1.730	2.715	4.1	18.0
10 28	0 49.61	+14 28.2	1.779	2.735	7.0	18.3
11 7	0 45.34	+12 43.2	1.854	2.756	10.4	18.5
11 17	0 43.18	+11 12.0	1.953	2.777	13.5	18.8

442339 2011 SR_{179} 10 9.8 2°.17 1°.1/10.8 15

9 8	1 17.95	+13 17.3	1.322	2.207	16.2	20.3
9 18	1 14.72	+12 23.6	1.262	2.205	11.9	20.0
9 28	1 9.27	+11 8.0	1.223	2.205	7.0	19.8
10 8	1 2.52	+ 9 37.1	1.208	2.205	1.9	19.5
10 18	0 55.62	+ 8 0.2	1.218	2.207	4.1	19.6
10 28	0 49.80	+ 6 28.7	1.253	2.210	9.2	19.9
11 7	0 46.03	+ 5 12.3	1.311	2.214	13.8	20.2
11 17	0 44.85	+ 4 17.1	1.390	2.220	17.6	20.5

210383 2007 VF_{96} 10 9.8 343°.61 4°.0/ 6.5 18

9 8	1 24.18	− 2 0.9	1.666	2.561	12.9	20.1
9 18	1 18.75	− 2 46.8	1.608	2.559	9.2	19.9
9 28	1 11.36	− 3 34.5	1.573	2.556	5.6	19.7
10 8	1 2.84	− 4 17.4	1.565	2.554	4.0	19.6
10 18	0 54.21	− 4 49.1	1.584	2.553	6.6	19.7
10 28	0 46.55	− 5 4.5	1.629	2.551	10.4	20.0
11 7	0 40.73	− 5 1.1	1.697	2.550	13.9	20.2
11 17	0 37.26	− 4 39.0	1.785	2.549	16.9	20.4

136966 1998 RL_{39} 10 9.8 3°.45 3°.2/ 7.6 18

9 8	1 20.24	+ 3 10.3	1.015	1.932	17.2	18.7
9 18	1 16.75	+ 2 14.4	0.968	1.930	12.2	18.4
9 28	1 10.53	+ 1 7.5	0.940	1.930	6.7	18.1
10 8	1 2.72	− 0 0.2	0.935	1.931	3.2	17.9
10 18	0 54.78	− 0 57.8	0.952	1.933	7.2	18.2
10 28	0 48.24	− 1 35.6	0.991	1.938	12.5	18.5
11 7	0 44.25	− 1 48.5	1.050	1.943	17.3	18.8
11 17	0 43.35	− 1 35.7	1.127	1.950	21.3	19.1

4501 Eurypylos 10 9.8 319°.04 1°.5/12.6 18

9 8	1 15.11	+15 57.4	4.193	5.021	7.2	17.5
9 18	1 11.45	+15 38.2	4.109	5.018	5.4	17.4
9 28	1 7.03	+15 11.2	4.052	5.015	3.5	17.3
10 8	1 2.17	+14 37.8	4.023	5.012	1.8	17.1
10 18	0 57.26	+13 59.9	4.024	5.009	1.9	17.2
10 28	0 52.66	+13 20.1	4.056	5.006	3.7	17.3
11 7	0 48.74	+12 41.2	4.116	5.004	5.6	17.4
11 17	0 45.78	+12 5.6	4.203	5.001	7.3	17.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
181814 1998 RS_{41}		10 9.8 31°.12 3°.6/12.1 18				
	h m	° ′			°	m
9 8	1 27.08	+14 44.8	1.222	2.094	18.2	19.2
9 18	1 21.43	+15 4.0	1.169	2.101	13.7	18.9
9 28	1 13.06	+15 2.6	1.136	2.109	8.8	18.7
10 8	1 3.11	+14 42.5	1.126	2.118	4.3	18.5
10 18	0 53.02	+14 8.5	1.141	2.128	4.9	18.5
10 28	0 44.35	+13 28.8	1.180	2.138	9.5	18.8
11 7	0 38.25	+12 52.4	1.243	2.149	14.1	19.1
11 17	0 35.31	+12 26.0	1.325	2.161	18.0	19.4
274085 2008 AF_{112}		10 9.8 225°.18 13°.3/25.9 17				
9 8	1 24.36	−15 44.6	1.135	2.042	16.5	20.1
9 18	1 19.65	−19 23.9	1.103	2.038	14.0	20.0
9 28	1 12.14	−22 48.4	1.094	2.034	13.4	19.9
10 8	1 2.97	−25 37.1	1.109	2.029	14.9	20.0
10 18	0 53.65	−27 35.4	1.146	2.025	17.8	20.2
10 28	0 45.74	−28 37.7	1.202	2.019	20.9	20.4
11 7	0 40.44	−28 47.6	1.272	2.014	23.7	20.6
11 17	0 38.34	−28 13.2	1.353	2.008	26.0	20.8
437468 2013 YN_{35}		10 9.8 291°.51 3°.3/ 6.9 18				
9 8	1 22.97	+ 2 24.1	1.464	2.362	14.2	20.8
9 18	1 18.18	+ 1 9.5	1.400	2.354	10.0	20.5
9 28	1 11.17	− 0 14.5	1.360	2.346	5.7	20.3
10 8	1 2.83	− 1 39.1	1.344	2.338	3.3	20.1
10 18	0 54.28	− 2 54.9	1.356	2.331	6.6	20.3
10 28	0 46.75	− 3 53.2	1.392	2.323	11.1	20.5
11 7	0 41.21	− 4 28.7	1.452	2.316	15.2	20.8
11 17	0 38.28	− 4 39.6	1.530	2.308	18.7	21.0
329235 2012 EQ_{12}		10 9.8 126°.28 1°.0/11.0 18				
9 8	1 20.99	+12 26.5	2.639	3.489	10.2	21.5
9 18	1 15.89	+11 55.2	2.573	3.499	7.5	21.3
9 28	1 9.57	+11 13.4	2.533	3.509	4.4	21.1
10 8	1 2.57	+10 24.2	2.522	3.518	1.4	20.9
10 18	0 55.53	+ 9 31.4	2.540	3.528	2.5	21.0
10 28	0 49.12	+ 8 39.7	2.588	3.537	5.6	21.3
11 7	0 43.88	+ 7 53.3	2.664	3.546	8.4	21.5
11 17	0 40.22	+ 7 15.7	2.764	3.554	10.9	21.6
490608 2009 WJ_{186}		10 9.8 26°.22 2°.7/14.9 18				
9 8	1 15.63	+21 57.8	3.869	4.667	8.3	20.8
9 18	1 11.88	+21 42.1	3.789	4.671	6.6	20.6
9 28	1 7.29	+21 15.5	3.735	4.675	4.7	20.5
10 8	1 2.22	+20 39.1	3.707	4.680	3.1	20.4
10 18	0 57.10	+19 55.0	3.710	4.685	2.8	20.4
10 28	0 52.37	+19 6.0	3.742	4.690	4.1	20.5
11 7	0 48.41	+18 15.6	3.802	4.695	5.8	20.6
11 17	0 45.51	+17 27.0	3.890	4.700	7.6	20.8
101526 1998 XB_{66}		10 9.8 310°.83 0°.5/10.1 18				
9 8	1 23.99	+ 9 33.9	1.358	2.243	15.9	19.5
9 18	1 19.24	+ 9 13.4	1.282	2.227	11.6	19.2
9 28	1 11.94	+ 8 36.9	1.227	2.211	6.7	18.9
10 8	1 2.97	+ 7 48.7	1.197	2.195	1.3	18.5
10 18	0 53.58	+ 6 55.7	1.192	2.180	4.5	18.7
10 28	0 45.19	+ 6 6.4	1.212	2.166	9.9	18.9
11 7	0 38.99	+ 5 28.9	1.256	2.152	14.8	19.2
11 17	0 35.73	+ 5 8.3	1.318	2.138	18.9	19.4
379184 2009 RR_{39}		10 9.8 115°.65 2°.8/12.3 17				
9 8	1 25.15	+17 3.2	1.595	2.446	15.7	21.1
9 18	1 19.56	+16 31.1	1.533	2.455	11.9	20.9
9 28	1 11.84	+15 37.6	1.493	2.463	7.6	20.7
10 8	1 2.93	+14 26.6	1.479	2.471	3.5	20.5
10 18	0 53.94	+13 4.6	1.491	2.479	4.0	20.5
10 28	0 46.04	+11 40.8	1.531	2.486	8.0	20.8
11 7	0 40.17	+10 24.3	1.596	2.493	12.1	21.0
11 17	0 36.85	+ 9 21.8	1.684	2.500	15.6	21.3
401042 2011 SJ_{260}		10 9.8 286°.03 2°.9/ 7.2 18				
9 8	1 23.87	+ 0 21.1	1.860	2.749	12.1	21.0
9 18	1 18.40	− 0 19.9	1.796	2.745	8.6	20.8
9 28	1 11.14	− 1 4.9	1.757	2.741	4.9	20.5
10 8	1 2.82	− 1 48.1	1.744	2.737	2.9	20.4
10 18	0 54.38	− 2 23.9	1.759	2.733	5.5	20.6
10 28	0 46.79	− 2 47.1	1.802	2.730	9.2	20.8
11 7	0 40.85	− 2 54.6	1.869	2.726	12.6	21.0
11 17	0 37.08	− 2 45.3	1.957	2.722	15.6	21.2
92031 1999 VB_{178}		10 9.8 33°.93 4°.5/ 6.6 18				
9 8	1 26.69	− 4 54.1	1.595	2.489	13.4	18.8
9 18	1 20.38	− 5 13.4	1.556	2.505	9.6	18.6
9 28	1 12.15	− 5 29.9	1.541	2.522	6.0	18.4
10 8	1 2.96	− 5 38.2	1.552	2.539	4.6	18.4
10 18	0 53.90	− 5 33.8	1.590	2.557	6.9	18.6
10 28	0 46.04	− 5 14.0	1.654	2.575	10.3	18.8
11 7	0 40.18	− 4 38.5	1.741	2.594	13.6	19.1
11 17	0 36.74	− 3 48.5	1.849	2.614	16.4	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
186742 2004 CZ_{42}		10 9.8 141°.49 3°.8/ 6.4 18				
	h m	° ′			°	m
9 8	1 24.64	+ 0 30.7	1.576	2.470	13.5	20.3
9 18	1 19.11	− 0 47.1	1.523	2.475	9.6	20.1
9 28	1 11.57	− 2 10.3	1.495	2.479	5.6	19.9
10 8	1 2.90	− 3 30.5	1.492	2.483	3.8	19.8
10 18	0 54.17	− 4 39.1	1.517	2.487	6.8	20.0
10 28	0 46.51	− 5 29.0	1.568	2.490	10.7	20.2
11 7	0 40.79	− 5 56.5	1.642	2.494	14.4	20.5
11 17	0 37.51	− 6 1.1	1.736	2.497	17.5	20.7
404266 2013 EY_{68}		10 9.8 125°.53 1°.2/ 8.4 18				
9 8	1 24.64	+ 3 19.1	2.508	3.378	10.0	22.1
9 18	1 18.47	+ 2 57.0	2.451	3.391	7.0	21.9
9 28	1 10.99	+ 2 30.7	2.421	3.404	3.8	21.7
10 8	1 2.81	+ 2 3.6	2.420	3.417	1.3	21.6
10 18	0 54.62	+ 1 39.3	2.449	3.429	3.5	21.8
10 28	0 47.15	+ 1 21.3	2.507	3.441	6.6	22.0
11 7	0 40.99	+ 1 12.1	2.593	3.452	9.5	22.2
11 17	0 36.54	+ 1 13.4	2.702	3.463	11.8	22.4
406283 2007 EW_{161}		10 9.8 144°.42 4°.0/ 3.9 18				
9 8	1 20.47	− 5 57.3	2.813	3.697	8.6	22.0
9 18	1 15.43	− 7 19.0	2.766	3.708	6.3	21.8
9 28	1 9.29	− 8 39.4	2.746	3.718	4.4	21.7
10 8	1 2.55	− 9 53.1	2.757	3.728	4.2	21.7
10 18	0 55.80	−10 55.4	2.796	3.737	5.8	21.9
10 28	0 49.64	−11 42.6	2.865	3.746	8.0	22.0
11 7	0 44.56	−12 12.9	2.958	3.754	10.2	22.2
11 17	0 40.93	−12 26.1	3.073	3.762	12.0	22.3
405481 2004 XG_{2}		10 9.8 53°.43 6°.3/17.5 18				
9 8	1 22.08	+29 1.8	2.261	3.033	14.2	20.2
9 18	1 17.09	+29 4.9	2.183	3.036	11.9	20.0
9 28	1 10.42	+28 45.6	2.126	3.039	9.3	19.9
10 8	1 2.74	+28 3.7	2.093	3.041	7.2	19.7
10 18	0 54.91	+27 1.6	2.087	3.044	6.3	19.7
10 28	0 47.84	+25 44.7	2.108	3.047	7.3	19.8
11 7	0 42.31	+24 20.5	2.156	3.050	9.6	19.9
11 17	0 38.82	+22 56.6	2.228	3.053	12.0	20.1
121188 1999 NR_{17}		10 9.8 40°.44 4°.6/13.8 18				
9 8	1 24.93	+19 36.9	1.571	2.413	16.4	18.8
9 18	1 19.33	+19 46.8	1.526	2.437	12.7	18.6
9 28	1 11.66	+19 34.9	1.503	2.461	8.7	18.4
10 8	1 2.92	+19 3.2	1.503	2.486	5.3	18.3
10 18	0 54.23	+18 16.3	1.530	2.512	5.0	18.3
10 28	0 46.74	+17 21.6	1.583	2.538	7.9	18.6
11 7	0 41.33	+16 27.4	1.662	2.565	11.4	18.8
11 17	0 38.43	+15 40.4	1.762	2.591	14.5	19.1
470524 2008 CW_{193}		10 9.8 129°.96 3°.1/ 6.8 16				
9 8	1 26.72	+ 0 43.4	1.831	2.715	12.5	22.4
9 18	1 20.28	− 0 23.5	1.784	2.731	8.8	22.2
9 28	1 12.08	− 1 34.5	1.762	2.746	5.0	22.0
10 8	1 2.98	− 2 42.6	1.769	2.760	3.2	22.0
10 18	0 53.93	− 3 40.9	1.804	2.774	5.8	22.2
10 28	0 45.92	− 4 23.8	1.866	2.787	9.4	22.4
11 7	0 39.68	− 4 48.4	1.954	2.799	12.7	22.6
11 17	0 35.67	− 4 53.9	2.062	2.811	15.4	22.9
99017 2001 DY_{66}		10 9.8 98°.29 2°.2/12.1 18				
9 8	1 23.64	+14 44.4	2.256	3.100	12.0	19.6
9 18	1 18.06	+14 44.6	2.184	3.102	9.0	19.5
9 28	1 10.90	+14 32.1	2.136	3.105	5.7	19.3
10 8	1 2.82	+14 8.5	2.115	3.107	2.7	19.1
10 18	0 54.60	+13 37.1	2.124	3.110	3.2	19.1
10 28	0 47.09	+13 2.4	2.160	3.112	6.3	19.3
11 7	0 41.02	+12 29.3	2.224	3.114	9.5	19.5
11 17	0 36.86	+12 2.2	2.312	3.117	12.3	19.7
180227 2003 UN_{131}		10 9.8 202°.56 4°.3/13.0 18				
9 8	1 28.05	+18 9.6	1.525	2.369	16.6	20.4
9 18	1 21.94	+18 19.7	1.454	2.368	12.9	20.1
9 28	1 13.34	+18 8.5	1.404	2.367	8.7	19.9
10 8	1 3.21	+17 36.8	1.379	2.365	5.0	19.7
10 18	0 52.79	+16 48.6	1.380	2.363	5.0	19.7
10 28	0 43.46	+15 51.5	1.407	2.361	8.7	19.9
11 7	0 36.34	+14 54.6	1.460	2.359	12.9	20.1
11 17	0 32.10	+14 5.7	1.533	2.357	16.5	20.4
407985 2012 DG_{60}		10 9.8 184°.86 2°.5/ 6.3 18				
9 8	1 19.86	+ 0 20.0	2.649	3.531	9.1	21.6
9 18	1 15.12	− 0 46.9	2.585	3.531	6.4	21.4
9 28	1 9.17	− 1 57.3	2.548	3.531	3.7	21.2
10 8	1 2.55	− 3 6.2	2.540	3.530	2.6	21.1
10 18	0 55.86	− 4 8.5	2.562	3.529	4.6	21.3
10 28	0 49.74	− 4 59.8	2.613	3.528	7.3	21.5
11 7	0 44.73	− 5 37.0	2.690	3.526	9.9	21.6
11 17	0 41.23	− 5 58.9	2.790	3.525	12.1	21.8

128680 2004 RF_{69} 10 9.8 37°.97 1°.2/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.21	+ 5 7.1	1.789	2.674	12.6	19.3
9 18	1 17.18	+ 4 31.2	1.738	2.685	8.9	19.1
9 28	1 10.42	+ 3 47.5	1.711	2.696	4.8	18.9
10 8	1 2.74	+ 3 1.3	1.710	2.708	1.3	18.7
10 18	0 55.05	+ 2 18.3	1.737	2.720	4.3	19.0
10 28	0 48.28	+ 1 44.0	1.791	2.732	8.2	19.2
11 7	0 43.20	+ 1 22.6	1.870	2.745	11.8	19.5
11 17	0 40.23	+ 1 16.0	1.970	2.758	14.7	19.7

46987 1998 SC_{167} 10 9.8 270°.91 2°.2/ 7.1 18

9 8	1 20.35	+ 6 58.5	1.836	2.718	12.5	18.7
9 18	1 15.97	+ 4 52.1	1.762	2.710	8.8	18.5
9 28	1 9.83	+ 2 30.6	1.716	2.702	4.7	18.2
10 8	1 2.66	+ 0 3.2	1.698	2.693	2.3	18.1
10 18	0 55.33	− 2 19.1	1.710	2.685	5.5	18.3
10 28	0 48.79	− 4 25.3	1.751	2.677	9.6	18.5
11 7	0 43.83	− 6 8.0	1.818	2.668	13.3	18.7
11 17	0 40.96	− 7 23.5	1.907	2.660	16.4	18.9

264108 2009 SH_{338} 10 9.8 36°.50 5°.3/ 4.1 18

9 8	1 22.24	− 8 44.1	2.168	3.057	10.5	20.4
9 18	1 16.98	− 9 38.4	2.118	3.059	7.9	20.2
9 28	1 10.25	−10 28.6	2.093	3.062	5.8	20.1
10 8	1 2.71	−11 8.9	2.096	3.065	5.5	20.1
10 18	0 55.15	−11 34.4	2.126	3.068	7.3	20.2
10 28	0 48.37	−11 41.9	2.182	3.070	9.9	20.4
11 7	0 43.01	−11 30.7	2.263	3.073	12.4	20.6
11 17	0 39.51	−11 1.6	2.363	3.077	14.6	20.7

63635 2001 QM_{88} 10 9.8 270°.61 2°.0/ 7.7 18

9 8	1 22.02	+ 3 35.5	1.955	2.839	11.8	20.1
9 18	1 17.10	+ 2 39.7	1.880	2.828	8.3	19.9
9 28	1 10.46	+ 1 36.1	1.831	2.816	4.6	19.7
10 8	1 2.76	+ 0 30.3	1.808	2.804	2.0	19.5
10 18	0 54.87	− 0 31.3	1.815	2.793	4.8	19.6
10 28	0 47.72	− 1 22.1	1.848	2.781	8.7	19.8
11 7	0 42.08	− 1 57.6	1.907	2.769	12.2	20.0
11 17	0 38.50	− 2 15.3	1.987	2.757	15.2	20.2

199117 2005 YC_{67} 10 9.8 113°.74 1°.7/ 8.2 18

9 8	1 26.06	+ 3 59.4	1.799	2.680	12.8	20.5
9 18	1 19.88	+ 3 17.0	1.748	2.693	9.0	20.3
9 28	1 11.90	+ 2 27.6	1.721	2.706	4.9	20.1
10 8	1 2.97	+ 1 37.0	1.721	2.718	1.7	19.9
10 18	0 54.05	+ 0 51.2	1.750	2.730	4.7	20.1
10 28	0 46.14	+ 0 15.6	1.807	2.742	8.6	20.4
11 7	0 40.02	− 0 5.8	1.888	2.754	12.1	20.6
11 17	0 36.15	− 0 11.3	1.992	2.765	15.1	20.8

101581 1999 BY_{7} 10 9.8 353°.56 11°.0/20.8 17

9 8	1 22.64	+35 36.7	1.756	2.503	18.5	18.4
9 18	1 18.25	+36 42.2	1.679	2.497	16.4	18.2
9 28	1 11.40	+37 18.7	1.619	2.491	14.1	18.0
10 8	1 2.93	+37 22.2	1.579	2.486	12.1	17.9
10 18	0 54.01	+36 51.6	1.562	2.483	11.1	17.8
10 28	0 46.02	+35 50.9	1.567	2.481	11.4	17.9
11 7	0 40.14	+34 29.1	1.596	2.479	13.0	17.9
11 17	0 37.10	+32 57.0	1.646	2.479	15.1	18.1

515927 2015 QZ_{12} 10 9.8 52°.60 4°.7/ 5.5 18

9 8	1 24.48	− 6 20.1	1.977	2.867	11.4	21.3
9 18	1 18.66	− 7 0.0	1.927	2.872	8.3	21.1
9 28	1 11.20	− 7 37.2	1.902	2.878	5.6	20.9
10 8	1 2.86	− 8 5.9	1.904	2.884	4.8	20.9
10 18	0 54.52	− 8 21.5	1.934	2.890	6.8	21.0
10 28	0 47.07	− 8 20.6	1.990	2.896	9.8	21.2
11 7	0 41.23	− 8 2.4	2.071	2.902	12.7	21.4
11 17	0 37.44	− 7 27.7	2.172	2.908	15.1	21.6

506106 2016 AN_{194} 10 9.8 39°.12 16°.6/22.4 17

9 8	1 31.83	+37 48.9	1.050	1.824	26.9	20.6
9 18	1 26.22	+39 48.5	0.999	1.831	24.1	20.4
9 28	1 16.41	+41 4.4	0.961	1.837	21.0	20.3
10 8	1 3.74	+41 26.2	0.938	1.845	18.4	20.1
10 18	0 50.42	+40 49.7	0.934	1.853	16.8	20.1
10 28	0 39.03	+39 22.2	0.948	1.861	16.9	20.1
11 7	0 31.52	+37 21.2	0.981	1.870	18.6	20.3
11 17	0 28.75	+35 6.9	1.031	1.880	21.0	20.5

314346 2005 TY_{112} 10 9.8 18°.95 0°.9/10.6 18

9 8	1 22.22	+11 12.7	1.873	2.741	13.0	21.3
9 18	1 17.25	+10 47.8	1.807	2.742	9.5	21.1
9 28	1 10.53	+10 9.8	1.765	2.744	5.5	20.9
10 8	1 2.78	+ 9 22.5	1.749	2.747	1.5	20.6
10 18	0 54.91	+ 8 31.0	1.761	2.749	3.3	20.8
10 28	0 47.89	+ 7 41.7	1.801	2.752	7.4	21.0
11 7	0 42.49	+ 7 0.1	1.866	2.755	11.1	21.2
11 17	0 39.22	+ 6 30.7	1.954	2.758	14.2	21.5

369670 2011 KR_{20} 10 9.8 84°.80 2°.2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 25.27	+ 3 10.5	1.612	2.500	13.6	21.5
9 18	1 19.49	+ 2 22.4	1.563	2.511	9.6	21.3
9 28	1 11.75	+ 1 27.5	1.537	2.523	5.2	21.1
10 8	1 2.96	+ 0 32.4	1.538	2.534	2.2	20.9
10 18	0 54.18	− 0 16.2	1.566	2.545	5.3	21.1
10 28	0 46.49	− 0 52.2	1.621	2.556	9.4	21.4
11 7	0 40.73	− 1 11.5	1.700	2.567	13.2	21.7
11 17	0 37.37	− 1 12.9	1.799	2.578	16.3	21.9

356451 2011 GP_{27} 10 9.8 327°.23 0°.9/11.4 18

9 8	1 16.13	+12 25.7	3.916	4.760	7.3	20.4
9 18	1 12.23	+12 12.0	3.834	4.755	5.4	20.2
9 28	1 7.51	+11 51.5	3.778	4.750	3.3	20.1
10 8	1 2.32	+11 25.8	3.750	4.745	1.2	19.9
10 18	0 57.05	+10 57.0	3.753	4.741	1.8	20.0
10 28	0 52.11	+10 27.6	3.787	4.736	4.0	20.1
11 7	0 47.90	+10 0.2	3.848	4.732	6.0	20.3
11 17	0 44.71	+ 9 37.1	3.936	4.727	7.9	20.4

55401 2001 SX_{316} 10 9.8 202°.83 9°.2/21.1 18

9 8	1 30.09	+39 1.2	2.462	3.143	15.4	19.2
9 18	1 23.06	+39 31.3	2.368	3.137	13.6	19.0
9 28	1 13.88	+39 35.8	2.293	3.130	11.8	18.9
10 8	1 3.33	+39 11.6	2.240	3.123	10.1	18.8
10 18	0 52.44	+38 18.4	2.212	3.114	9.2	18.7
10 28	0 42.37	+36 59.7	2.210	3.105	9.5	18.7
11 7	0 34.11	+35 23.2	2.235	3.095	10.8	18.8
11 17	0 28.29	+33 38.0	2.284	3.083	12.6	18.9

226470 2003 SV_{168} 10 9.8 49°.77 2°.2/12.0 18

9 8	1 23.66	+14 25.9	2.173	3.019	12.3	19.9
9 18	1 18.12	+14 28.5	2.104	3.024	9.2	19.7
9 28	1 10.96	+14 18.3	2.060	3.029	5.8	19.5
10 8	1 2.87	+13 57.1	2.043	3.035	2.7	19.4
10 18	0 54.66	+13 28.0	2.054	3.040	3.2	19.4
10 28	0 47.20	+12 55.7	2.093	3.046	6.4	19.6
11 7	0 41.22	+12 25.2	2.160	3.051	9.7	19.8
11 17	0 37.21	+12 0.8	2.250	3.057	12.5	20.0

355443 2007 VS_{86} 10 9.8 266°.59 5°.0/15.1 18

9 8	1 22.94	+23 58.1	2.005	2.813	14.5	20.9
9 18	1 17.96	+23 45.2	1.912	2.799	11.8	20.7
9 28	1 11.04	+23 9.4	1.842	2.784	8.6	20.4
10 8	1 2.90	+22 11.2	1.796	2.769	5.9	20.2
10 18	0 54.45	+20 54.0	1.778	2.754	5.2	20.2
10 28	0 46.74	+19 24.5	1.787	2.739	7.4	20.3
11 7	0 40.67	+17 51.7	1.824	2.723	10.7	20.5
11 17	0 36.84	+16 23.9	1.884	2.707	13.9	20.6

442408 2011 UG_{81} 10 9.8 23°.91 0°.5/10.2 18

9 8	1 21.69	+10 39.7	1.588	2.465	14.4	21.0
9 18	1 17.08	+10 1.1	1.529	2.470	10.4	20.7
9 28	1 10.50	+ 9 7.6	1.493	2.476	5.9	20.5
10 8	1 2.81	+ 8 4.5	1.483	2.482	1.2	20.2
10 18	0 55.03	+ 6 58.5	1.500	2.488	3.8	20.4
10 28	0 48.25	+ 5 57.7	1.543	2.495	8.3	20.7
11 7	0 43.32	+ 5 8.7	1.611	2.502	12.4	21.0
11 17	0 40.76	+ 4 35.7	1.700	2.510	15.8	21.2

364053 2005 WO_{145} 10 9.8 174°.04 3°.6/14.0 17

9 8	1 21.98	+20 42.1	2.334	3.152	12.5	21.6
9 18	1 16.90	+20 27.0	2.256	3.152	9.8	21.4
9 28	1 10.29	+19 54.6	2.201	3.153	6.8	21.2
10 8	1 2.78	+19 6.5	2.173	3.154	4.2	21.1
10 18	0 55.14	+18 6.3	2.173	3.154	3.9	21.0
10 28	0 48.19	+16 59.3	2.203	3.154	6.2	21.2
11 7	0 42.62	+15 52.1	2.259	3.154	9.1	21.4
11 17	0 38.92	+14 50.3	2.341	3.154	11.9	21.6

489096 2006 BX_{86} 10 9.8 346°.50 10°.6/28.2 17

9 8	1 18.25	−17 7.5	1.513	2.414	13.5	20.3
9 18	1 14.79	−19 5.9	1.470	2.402	11.5	20.1
9 28	1 9.30	−20 51.6	1.451	2.392	10.6	20.1
10 8	1 2.63	−22 13.1	1.455	2.383	11.4	20.1
10 18	0 55.83	−23 2.2	1.481	2.374	13.5	20.2
10 28	0 50.00	−23 14.7	1.528	2.367	16.1	20.4
11 7	0 46.04	−22 51.8	1.593	2.361	18.6	20.5
11 17	0 44.46	−21 57.6	1.673	2.357	20.7	20.7

53575 2000 CN_{43} 10 9.8 46°.95 2°.1/11.5 18

9 8	1 23.76	+14 48.3	1.261	2.136	17.5	17.9
9 18	1 18.87	+14 10.5	1.213	2.149	13.0	17.6
9 28	1 11.58	+13 10.1	1.185	2.163	7.9	17.4
10 8	1 2.97	+11 52.8	1.181	2.177	2.9	17.2
10 18	0 54.38	+10 27.6	1.202	2.192	4.2	17.3
10 28	0 47.13	+ 9 5.4	1.249	2.207	9.1	17.6
11 7	0 42.22	+ 7 55.9	1.319	2.222	13.7	17.9
11 17	0 40.15	+ 7 5.0	1.410	2.238	17.5	18.2

511894 2015 HN_{15} 10 9.8 38°.13 6°.4/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 24.51	− 5 34.7	1.253	2.161	15.2	20.2
9 18	1 19.21	− 6 44.7	1.222	2.176	11.1	20.0
9 28	1 11.66	− 7 51.0	1.213	2.192	7.5	19.9
10 8	1 2.97	− 8 43.8	1.228	2.209	6.6	19.9
10 18	0 54.44	− 9 15.4	1.268	2.227	9.2	20.1
10 28	0 47.33	− 9 21.5	1.331	2.245	12.9	20.3
11 7	0 42.50	− 9 1.8	1.415	2.264	16.4	20.6
11 17	0 40.38	− 8 19.3	1.517	2.283	19.3	20.9

328144 2008 BM_{51} 10 9.8 334°.41 3°.4/ 7.9 18

9 8	1 24.06	+ 0 52.0	0.982	1.897	17.7	19.7
9 18	1 19.96	+ 0 36.5	0.917	1.878	12.8	19.3
9 28	1 12.65	+ 0 14.8	0.872	1.860	7.3	19.0
10 8	1 3.20	− 0 5.4	0.847	1.844	3.4	18.7
10 18	0 53.19	− 0 15.9	0.845	1.829	7.5	18.9
10 28	0 44.49	− 0 9.1	0.865	1.815	13.4	19.2
11 7	0 38.60	+ 0 19.0	0.904	1.803	18.8	19.4
11 17	0 36.38	+ 1 9.0	0.959	1.793	23.4	19.7

79099 1981 EG_{29} 10 9.8 289°.87 1°.0/ 8.8 18

9 8	1 21.09	+ 7 39.2	1.850	2.730	12.6	19.4
9 18	1 16.63	+ 6 35.9	1.765	2.709	9.0	19.1
9 28	1 10.31	+ 5 19.2	1.704	2.689	4.9	18.8
10 8	1 2.80	+ 3 54.7	1.669	2.668	1.0	18.5
10 18	0 55.00	+ 2 29.7	1.663	2.647	4.3	18.7
10 28	0 47.90	+ 1 12.6	1.685	2.626	8.7	18.9
11 7	0 42.36	+ 0 10.1	1.732	2.605	12.7	19.1
11 17	0 38.99	− 0 33.4	1.800	2.584	16.0	19.3

223443 2003 ST_{299} 10 9.8 5°.99 2°.8/ 6.9 18

9 8	1 20.34	+ 0 53.9	1.912	2.804	11.6	19.9
9 18	1 15.84	− 0 1.1	1.854	2.805	8.2	19.7
9 28	1 9.72	− 1 0.5	1.821	2.806	4.7	19.4
10 8	1 2.70	− 1 58.4	1.814	2.807	2.9	19.3
10 18	0 55.59	− 2 48.6	1.835	2.809	5.4	19.5
10 28	0 49.27	− 3 25.6	1.883	2.811	8.9	19.7
11 7	0 44.48	− 3 46.0	1.956	2.813	12.2	19.9
11 17	0 41.66	− 3 48.8	2.049	2.816	14.9	20.1

45587 2000 CT_{91} 10 9.8 252°.41 0°.4/ 9.4 18

9 8	1 21.11	+ 7 23.7	2.527	3.394	10.0	19.3
9 18	1 16.17	+ 6 50.2	2.445	3.383	7.2	19.1
9 28	1 9.85	+ 6 8.5	2.388	3.371	4.0	18.9
10 8	1 2.72	+ 5 22.3	2.361	3.359	0.6	18.6
10 18	0 55.43	+ 4 35.5	2.362	3.347	3.1	18.8
10 28	0 48.69	+ 3 52.8	2.393	3.335	6.4	19.0
11 7	0 43.13	+ 3 18.3	2.452	3.323	9.5	19.2
11 17	0 39.20	+ 2 54.7	2.533	3.310	12.1	19.3

325563 2009 SQ_{110} 10 9.8 26°.98 3°.1/11.8 18

9 8	1 29.22	+13 0.9	1.638	2.495	15.1	19.1
9 18	1 22.44	+13 49.8	1.584	2.509	11.3	18.9
9 28	1 13.49	+14 25.3	1.552	2.523	7.2	18.7
10 8	1 3.29	+14 47.5	1.547	2.538	3.6	18.5
10 18	0 53.00	+14 58.3	1.569	2.554	4.2	18.6
10 28	0 43.85	+15 1.8	1.618	2.571	7.9	18.9
11 7	0 36.78	+15 3.2	1.693	2.588	11.7	19.1
11 17	0 32.35	+15 7.2	1.790	2.606	14.8	19.4

259898 2004 DE_{66} 10 9.8 194°.40 0°.9/ 8.9 18

9 8	1 26.62	+ 6 24.4	1.790	2.665	13.1	21.4
9 18	1 20.49	+ 5 46.2	1.722	2.664	9.4	21.1
9 28	1 12.39	+ 4 58.1	1.678	2.662	5.1	20.9
10 8	1 3.13	+ 4 5.0	1.661	2.659	1.0	20.6
10 18	0 53.71	+ 3 13.0	1.672	2.656	4.3	20.8
10 28	0 45.20	+ 2 28.6	1.711	2.652	8.6	21.1
11 7	0 38.50	+ 1 57.0	1.776	2.648	12.5	21.3
11 17	0 34.14	+ 1 41.1	1.862	2.644	15.7	21.5

408563 2013 KD_{15} 10 9.8 130°.15 1°.7/ 7.7 18

9 8	1 20.20	+ 3 58.6	2.362	3.241	10.2	21.2
9 18	1 15.48	+ 2 55.0	2.301	3.246	7.1	21.0
9 28	1 9.44	+ 1 45.2	2.266	3.251	3.9	20.8
10 8	1 2.66	+ 0 34.4	2.260	3.256	1.7	20.7
10 18	0 55.84	− 0 32.1	2.283	3.260	4.1	20.8
10 28	0 49.67	− 1 28.8	2.336	3.265	7.3	21.0
11 7	0 44.76	− 2 12.1	2.414	3.269	10.2	21.2
11 17	0 41.51	− 2 39.8	2.515	3.273	12.7	21.4

328699 2009 SD_{362} 10 9.8 258°.18 1°.0/ 8.6 18

9 8	1 21.45	+ 5 1.8	2.438	3.312	10.1	21.5
9 18	1 16.44	+ 4 27.1	2.359	3.301	7.2	21.3
9 28	1 10.02	+ 3 45.8	2.306	3.291	3.9	21.1
10 8	1 2.76	+ 3 1.7	2.282	3.280	1.1	20.8
10 18	0 55.34	+ 2 19.1	2.286	3.268	3.5	21.0
10 28	0 48.51	+ 1 42.6	2.320	3.257	6.9	21.2
11 7	0 42.89	+ 1 15.8	2.380	3.246	10.0	21.4
11 17	0 38.97	+ 1 1.2	2.464	3.234	12.6	21.6

72706 2001 FU_{80} 10 9.8 244°.21 2°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.69	+16 58.6	2.504	3.338	11.2	19.7
9 18	1 15.92	+16 27.9	2.417	3.329	8.5	19.5
9 28	1 9.74	+15 42.6	2.355	3.320	5.5	19.3
10 8	1 2.72	+14 45.0	2.320	3.310	2.7	19.1
10 18	0 55.54	+13 38.8	2.314	3.300	2.9	19.1
10 28	0 48.93	+12 29.6	2.338	3.290	5.9	19.3
11 7	0 43.56	+11 23.2	2.390	3.280	8.9	19.5
11 17	0 39.87	+10 24.5	2.466	3.270	11.6	19.6

515352 2013 CA_{54} 10 9.8 87°.37 2°.6/12.3 18

9 8	1 24.02	+15 39.3	1.960	2.806	13.4	21.5
9 18	1 18.56	+15 32.4	1.890	2.809	10.1	21.3
9 28	1 11.29	+15 9.8	1.842	2.811	6.5	21.1
10 8	1 2.96	+14 33.8	1.822	2.813	3.2	20.9
10 18	0 54.49	+13 48.3	1.829	2.815	3.5	20.9
10 28	0 46.84	+12 59.1	1.864	2.817	7.0	21.1
11 7	0 40.83	+12 12.7	1.925	2.819	10.5	21.3
11 17	0 36.98	+11 34.2	2.010	2.821	13.6	21.6

104213 2000 EE_{118} 10 9.8 119°.57 3°.7/ 6.5 18

9 8	1 25.97	− 3 2.3	1.959	2.845	11.7	19.4
9 18	1 19.75	− 3 41.4	1.907	2.853	8.3	19.3
9 28	1 11.85	− 4 20.5	1.880	2.860	5.1	19.1
10 8	1 3.04	− 4 54.2	1.881	2.868	3.8	19.0
10 18	0 54.23	− 5 17.6	1.910	2.875	6.0	19.2
10 28	0 46.33	− 5 26.6	1.966	2.883	9.3	19.4
11 7	0 40.09	− 5 19.8	2.048	2.889	12.3	19.6
11 17	0 35.96	− 4 57.1	2.150	2.896	14.9	19.8

208879 2002 TF_{58} 10 9.8 156°.94 6°.1/12.7 17

9 8	1 48.91	+18 19.3	1.529	2.338	18.3	20.1
9 18	1 37.17	+19 42.7	1.458	2.350	14.4	19.9
9 28	1 22.01	+20 47.5	1.412	2.361	10.1	19.7
10 8	1 4.66	+21 28.9	1.394	2.371	6.6	19.5
10 18	0 46.90	+21 45.5	1.406	2.379	6.7	19.5
10 28	0 30.70	+21 41.8	1.448	2.385	10.2	19.7
11 7	0 17.57	+21 26.5	1.517	2.390	14.2	20.0
11 17	0 8.30	+21 9.0	1.609	2.394	17.6	20.3

409188 2003 UH_{316} 10 9.8 335°.32 2°.6/ 7.8 17

9 8	1 24.27	− 0 12.2	1.827	2.716	12.2	20.7
9 18	1 18.84	− 0 23.7	1.755	2.703	8.7	20.5
9 28	1 11.50	− 0 37.5	1.707	2.691	5.0	20.2
10 8	1 3.01	− 0 49.1	1.686	2.680	2.6	20.1
10 18	0 54.30	− 0 54.1	1.692	2.670	5.2	20.2
10 28	0 46.40	− 0 48.8	1.726	2.660	9.1	20.4
11 7	0 40.17	− 0 30.5	1.784	2.651	12.7	20.6
11 17	0 36.19	+ 0 1.4	1.863	2.642	15.8	20.8

476667 2008 TB_{31} 10 9.8 18°.86 0°.1/ 9.7 18

9 8	1 21.48	+ 9 50.9	1.299	2.189	16.1	21.3
9 18	1 17.26	+ 9 1.1	1.246	2.194	11.6	21.1
9 28	1 10.73	+ 7 54.4	1.214	2.199	6.5	20.8
10 8	1 2.89	+ 6 37.5	1.206	2.205	1.0	20.5
10 18	0 54.97	+ 5 19.8	1.224	2.212	4.5	20.8
10 28	0 48.24	+ 4 11.0	1.267	2.219	9.7	21.1
11 7	0 43.67	+ 3 18.9	1.332	2.227	14.2	21.4
11 17	0 41.80	+ 2 47.6	1.418	2.236	17.9	21.6

93469 2000 TW_{10} 10 9.8 81°.43 0°.2/ 9.9 18

9 8	1 24.71	+ 9 55.6	1.601	2.476	14.4	19.6
9 18	1 19.18	+ 9 15.5	1.547	2.487	10.4	19.4
9 28	1 11.65	+ 8 21.6	1.516	2.498	5.8	19.2
10 8	1 3.03	+ 7 19.2	1.511	2.510	1.0	18.8
10 18	0 54.39	+ 6 15.3	1.534	2.521	3.9	19.1
10 28	0 46.84	+ 5 17.4	1.583	2.532	8.4	19.4
11 7	0 41.21	+ 4 32.0	1.658	2.544	12.4	19.7
11 17	0 38.02	+ 4 2.7	1.753	2.555	15.7	19.9

234284 2000 WR_{177} 10 9.8 345°.91 8°.0/ 3.8 18

9 8	1 19.31	− 6 48.6	1.080	2.002	15.9	19.1
9 18	1 16.13	− 8 10.7	1.028	1.988	11.9	18.9
9 28	1 10.30	− 9 31.0	0.996	1.975	8.7	18.7
10 8	1 2.85	−10 36.6	0.986	1.964	8.4	18.6
10 18	0 55.14	−11 16.6	0.998	1.955	11.4	18.8
10 28	0 48.68	−11 23.6	1.031	1.947	15.6	19.0
11 7	0 44.62	−10 56.5	1.082	1.941	19.6	19.2
11 17	0 43.60	− 9 58.7	1.149	1.937	23.1	19.4

446885 2002 GB_{66} 10 9.8 143°.29 1°.5/ 8.3 18

9 8	1 24.72	+ 2 29.4	2.329	3.203	10.5	20.7
9 18	1 18.72	+ 2 11.6	2.265	3.207	7.4	20.5
9 28	1 11.26	+ 1 49.9	2.227	3.211	4.1	20.3
10 8	1 2.98	+ 1 27.8	2.218	3.214	1.5	20.2
10 18	0 54.63	+ 1 9.1	2.238	3.218	3.9	20.3
10 28	0 46.99	+ 0 57.2	2.287	3.221	7.2	20.6
11 7	0 40.74	+ 0 54.9	2.363	3.224	10.2	20.8
11 17	0 36.31	+ 1 3.6	2.461	3.226	12.8	21.0

314429 2005 UW_{449} 10 9.8 36°.89 5°.6/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.11	+24 9.9	1.579	2.403	17.1	19.5
9 18	1 17.43	+23 59.4	1.529	2.424	13.6	19.3
9 28	1 10.71	+23 22.4	1.500	2.446	9.9	19.2
10 8	1 2.90	+22 21.0	1.494	2.468	6.6	19.0
10 18	0 55.13	+21 1.0	1.514	2.491	5.7	19.0
10 28	0 48.51	+19 31.4	1.560	2.515	8.0	19.2
11 7	0 43.89	+18 2.4	1.632	2.539	11.2	19.5
11 17	0 41.73	+16 42.2	1.726	2.564	14.3	19.7

275376 2011 AC_{63} 10 9.8 210°.60 0°.5/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.60	+10 4.9	1.741	2.608	13.8	21.8
9 18	1 20.60	+ 9 37.9	1.668	2.603	10.1	21.5
9 28	1 12.53	+ 8 57.4	1.618	2.599	5.8	21.3
10 8	1 3.21	+ 8 7.4	1.596	2.594	1.2	21.0
10 18	0 53.66	+ 7 13.7	1.601	2.588	3.7	21.1
10 28	0 45.03	+ 6 23.1	1.634	2.583	8.3	21.4
11 7	0 38.25	+ 5 42.0	1.693	2.576	12.3	21.6
11 17	0 33.92	+ 5 14.7	1.773	2.570	15.8	21.9

247418 2002 CO_{234} 10 9.8 11°.38 5°.9/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.45	+17 9.7	0.880	1.769	21.8	20.2
9 18	1 19.61	+17 53.5	0.833	1.772	17.0	19.9
9 28	1 12.44	+18 8.9	0.803	1.776	11.6	19.7
10 8	1 3.21	+17 55.8	0.793	1.782	6.8	19.5
10 18	0 53.73	+17 19.1	0.803	1.790	6.7	19.5
10 28	0 45.96	+16 29.7	0.835	1.799	11.2	19.8
11 7	0 41.32	+15 40.5	0.886	1.810	16.2	20.1
11 17	0 40.44	+15 1.5	0.954	1.823	20.7	20.4

183520 2003 FR_{90} 10 9.8 103°.35 2°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.36	+16 9.3	2.341	3.172	12.0	20.4
9 18	1 19.89	+16 15.5	2.280	3.190	9.1	20.2
9 28	1 11.91	+16 8.5	2.245	3.207	5.9	20.1
10 8	1 3.09	+15 49.9	2.236	3.225	3.1	19.9
10 18	0 54.24	+15 22.4	2.258	3.242	3.3	19.9
10 28	0 46.19	+14 50.4	2.308	3.258	6.1	20.2
11 7	0 39.62	+14 18.8	2.387	3.275	9.0	20.4
11 17	0 34.97	+13 51.8	2.490	3.290	11.6	20.6

322155 2010 WX_{53} 10 9.8 137°.63 5°.1/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.33	+25 48.1	2.328	3.118	13.3	20.7
9 18	1 17.23	+25 44.0	2.250	3.120	10.9	20.5
9 28	1 10.53	+25 19.8	2.194	3.123	8.2	20.4
10 8	1 2.89	+24 35.9	2.163	3.125	5.9	20.2
10 18	0 55.11	+23 35.1	2.159	3.127	5.2	20.2
10 28	0 48.05	+22 22.9	2.184	3.129	6.7	20.3
11 7	0 42.43	+21 6.2	2.236	3.131	9.2	20.4
11 17	0 38.76	+19 51.8	2.312	3.133	11.8	20.6

327598 2006 DP_{197} 10 9.8 228°.84 1°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.13	+15 37.5	2.780	3.616	10.2	21.0
9 18	1 15.41	+14 52.1	2.691	3.607	7.6	20.8
9 28	1 9.43	+13 53.5	2.627	3.596	4.8	20.6
10 8	1 2.72	+12 44.5	2.592	3.586	2.0	20.4
10 18	0 55.87	+11 29.2	2.588	3.575	2.5	20.4
10 28	0 49.55	+10 12.7	2.613	3.564	5.4	20.6
11 7	0 44.31	+ 9 0.5	2.668	3.552	8.3	20.8
11 17	0 40.59	+ 7 57.0	2.747	3.540	10.9	20.9

298081 2002 QH_{135} 10 9.8 23°.37 3°.6/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.15	− 0 54.8	1.624	2.519	13.1	21.1
9 18	1 18.79	− 1 41.6	1.570	2.521	9.3	20.9
9 28	1 11.46	− 2 31.1	1.540	2.524	5.5	20.7
10 8	1 3.04	− 3 16.7	1.536	2.527	3.7	20.6
10 18	0 54.54	− 3 51.8	1.559	2.531	6.4	20.8
10 28	0 47.07	− 4 11.2	1.608	2.534	10.2	21.0
11 7	0 41.45	− 4 12.1	1.680	2.538	13.8	21.2
11 17	0 38.22	− 3 54.4	1.773	2.543	16.8	21.5

306307 2011 SD_{70} 10 9.8 324°.63 7°.6/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.94	−13 2.6	1.766	2.654	12.6	20.6
9 18	1 19.98	−13 58.7	1.715	2.651	9.9	20.4
9 28	1 12.09	−14 46.0	1.689	2.647	7.9	20.3
10 8	1 3.13	−15 17.0	1.687	2.644	7.9	20.3
10 18	0 54.12	−15 26.0	1.712	2.640	9.8	20.4
10 28	0 46.11	−15 10.3	1.762	2.637	12.5	20.6
11 7	0 39.94	−14 30.7	1.833	2.635	15.2	20.8
11 17	0 36.10	−13 29.8	1.923	2.632	17.6	20.9

223837 2004 TO_{144} 10 9.8 19°.70 2°.5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.24	− 0 1.3	1.860	2.747	12.2	19.7
9 18	1 19.37	− 0 15.7	1.803	2.750	8.6	19.5
9 28	1 11.72	− 0 32.5	1.770	2.754	4.9	19.3
10 8	1 3.07	− 0 47.0	1.764	2.759	2.5	19.1
10 18	0 54.37	− 0 55.2	1.786	2.764	5.0	19.3
10 28	0 46.58	− 0 53.3	1.836	2.769	8.7	19.5
11 7	0 40.49	− 0 39.1	1.910	2.774	12.1	19.8
11 17	0 36.58	− 0 11.9	2.007	2.780	15.0	20.0

308270 2005 GU_{150} 10 9.8 76°.11 1°.7/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.82	+ 4 36.8	1.811	2.696	12.5	20.7
9 18	1 17.66	+ 3 43.1	1.756	2.703	8.8	20.5
9 28	1 10.77	+ 2 41.4	1.726	2.711	4.8	20.3
10 8	1 2.93	+ 1 37.8	1.722	2.719	1.7	20.1
10 18	0 55.05	+ 0 38.9	1.747	2.727	4.6	20.3
10 28	0 48.08	− 0 9.1	1.799	2.735	8.6	20.5
11 7	0 42.78	− 0 41.8	1.875	2.743	12.1	20.8
11 17	0 39.61	− 0 57.3	1.973	2.751	15.1	21.0

508796 2000 KN_{44} 10 9.8 210°.98 7°.4/27.9 18 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.70	−25 45.1	3.359	4.190	8.7	24.8
9 18	1 19.87	−26 49.9	3.310	4.179	7.8	24.8
9 28	1 11.82	−27 43.2	3.287	4.168	7.4	24.7
10 8	1 3.10	−28 20.1	3.291	4.155	7.8	24.7
10 18	0 54.31	−28 37.7	3.322	4.142	8.8	24.8
10 28	0 46.09	−28 34.6	3.378	4.127	10.0	24.9
11 7	0 39.00	−28 11.4	3.456	4.112	11.3	25.0
11 17	0 33.43	−27 30.2	3.552	4.095	12.4	25.1

520554 2014 MG_{77} 10 9.8 148°.60 4°.2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.84	− 4 17.7	2.316	3.205	10.0	21.2
9 18	1 15.97	− 5 35.2	2.263	3.209	7.2	21.0
9 28	1 9.75	− 6 52.8	2.236	3.213	4.8	20.9
10 8	1 2.78	− 8 4.3	2.238	3.216	4.3	20.9
10 18	0 55.76	− 9 3.9	2.268	3.220	6.3	21.0
10 28	0 49.43	− 9 47.1	2.326	3.223	9.0	21.2
11 7	0 44.39	−10 11.9	2.409	3.226	11.5	21.4
11 17	0 41.05	−10 17.8	2.512	3.229	13.7	21.5

307612 2003 QB_{77} 10 9.8 353°.61 5°.8/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.50	+23 31.3	2.055	2.860	14.4	20.0
9 18	1 19.77	+24 11.0	1.977	2.858	11.7	19.8
9 28	1 12.09	+24 32.1	1.921	2.856	8.8	19.6
10 8	1 3.17	+24 33.5	1.891	2.855	6.5	19.5
10 18	0 53.95	+24 16.3	1.887	2.854	5.9	19.4
10 28	0 45.51	+23 44.6	1.910	2.853	7.7	19.5
11 7	0 38.73	+23 4.9	1.959	2.852	10.4	19.7
11 17	0 34.23	+22 23.8	2.032	2.852	13.2	19.9

107361 2001 CX_{28} 10 9.8 322°.53 1°.1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 27.06	+ 4 44.3	1.150	2.049	17.0	18.7
9 18	1 21.88	+ 4 44.9	1.080	2.033	12.4	18.3
9 28	1 13.67	+ 4 36.0	1.030	2.017	6.9	18.0
10 8	1 3.45	+ 4 22.4	1.003	2.001	1.3	17.6
10 18	0 52.68	+ 4 9.9	1.000	1.987	5.6	17.8
10 28	0 43.10	+ 4 5.7	1.021	1.973	11.5	18.1
11 7	0 36.12	+ 4 15.0	1.063	1.960	16.8	18.4
11 17	0 32.58	+ 4 40.8	1.123	1.948	21.2	18.6

35042 1981 EO_{36} 10 9.8 81°.96 5°.0/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 29.64	+21 0.2	1.575	2.403	17.0	19.9
9 18	1 22.78	+21 10.3	1.526	2.427	13.3	19.7
9 28	1 13.68	+20 57.1	1.498	2.451	9.3	19.5
10 8	1 3.39	+20 21.9	1.495	2.474	5.9	19.4
10 18	0 53.16	+19 29.2	1.518	2.498	5.4	19.4
10 28	0 44.24	+18 27.0	1.569	2.521	8.2	19.7
11 7	0 37.57	+17 24.2	1.645	2.543	11.7	19.9
11 17	0 33.65	+16 28.6	1.743	2.565	14.9	20.2

345930 2007 RN_{240} 10 9.8 21°.61 4°.3/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.29	+ 1 39.6	1.409	2.314	14.1	19.4
9 18	1 15.50	− 0 18.5	1.362	2.319	9.9	19.1
9 28	1 9.70	− 2 24.7	1.339	2.325	5.8	18.9
10 8	1 2.78	− 4 27.3	1.341	2.331	4.5	18.9
10 18	0 55.82	− 6 14.7	1.371	2.338	7.7	19.1
10 28	0 49.92	− 7 37.5	1.425	2.346	11.7	19.3
11 7	0 45.93	− 8 30.9	1.501	2.354	15.5	19.6
11 17	0 44.34	− 8 54.7	1.597	2.362	18.5	19.8

20811 2000 ST_{266} 10 9.8 234°.72 7°.9/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.50	−13 3.4	1.844	2.733	12.1	18.0
9 18	1 18.95	−14 33.1	1.792	2.726	9.6	17.9
9 28	1 11.55	−15 55.4	1.765	2.719	8.0	17.8
10 8	1 3.08	−17 1.5	1.764	2.712	8.3	17.8
10 18	0 54.49	−17 44.5	1.789	2.704	10.2	17.9
10 28	0 46.80	−18 0.4	1.838	2.697	12.9	18.0
11 7	0 40.83	−17 49.1	1.908	2.689	15.5	18.2
11 17	0 37.10	−17 12.8	1.996	2.680	17.8	18.4

355842 2008 UU_{55} 10 9.8 348°.33 0°.7/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.39	+11 55.8	4.159	5.005	6.9	20.9
9 18	1 11.70	+11 35.3	4.081	5.004	5.0	20.8
9 28	1 7.26	+11 8.5	4.029	5.003	3.0	20.6
10 8	1 2.41	+10 37.1	4.006	5.002	1.0	20.5
10 18	0 57.49	+10 3.2	4.014	5.001	1.7	20.5
10 28	0 52.89	+ 9 29.3	4.052	5.001	3.7	20.7
11 7	0 48.96	+ 8 57.8	4.119	5.000	5.7	20.8
11 17	0 45.98	+ 8 31.0	4.211	4.999	7.5	21.0

107710 2001 FQ_{19} 10 9.8 181°.33 1°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 24.21	+12 5.2	2.185	3.039	11.9	21.0
9 18	1 18.54	+11 34.7	2.112	3.040	8.7	20.8
9 28	1 11.26	+10 51.7	2.064	3.040	5.1	20.6
10 8	1 3.04	+ 9 59.4	2.043	3.040	1.5	20.4
10 18	0 54.70	+ 9 2.7	2.052	3.039	3.0	20.5
10 28	0 47.11	+ 8 7.1	2.090	3.038	6.7	20.7
11 7	0 40.97	+ 7 18.2	2.155	3.037	10.1	20.9
11 17	0 36.79	+ 6 40.1	2.243	3.035	13.0	21.1

359369 2009 YG 10 9.8 137°.14 1°.1/ 8.5 16

9 8	1 31.00	+ 5 35.7	2.572	3.424	10.4	23.9
9 18	1 22.91	+ 4 38.1	2.518	3.450	7.3	23.7
9 28	1 13.47	+ 3 34.0	2.493	3.474	3.9	23.6
10 8	1 3.37	+ 2 28.1	2.500	3.497	1.1	23.4
10 18	0 53.37	+ 1 25.4	2.539	3.518	3.5	23.6
10 28	0 44.22	+ 0 30.7	2.610	3.537	6.7	23.8
11 7	0 36.53	− 0 12.5	2.710	3.555	9.6	24.0
11 17	0 30.70	− 0 42.2	2.834	3.571	11.9	24.2

154432 2003 BP_{51} 10 9.8 196°.39 1°.8/ 8.2 17

9 8	1 25.99	+ 3 52.7	1.931	2.809	12.2	21.0
9 18	1 19.95	+ 3 7.0	1.863	2.807	8.7	20.8
9 28	1 12.10	+ 2 14.0	1.820	2.804	4.7	20.5
10 8	1 3.18	+ 1 19.0	1.804	2.801	1.8	20.3
10 18	0 54.12	+ 0 27.9	1.817	2.797	4.6	20.5
10 28	0 45.90	− 0 13.3	1.859	2.792	8.6	20.8
11 7	0 39.34	− 0 40.4	1.926	2.787	12.1	21.0
11 17	0 34.95	− 0 51.3	2.014	2.782	15.1	21.2

403412 2009 SZ_{35} 10 9.8 331°.91 1°.1/10.7 17

9 8	1 23.76	+ 9 58.6	1.881	2.749	12.9	20.4
9 18	1 18.53	+10 2.7	1.803	2.738	9.5	20.2
9 28	1 11.40	+ 9 56.0	1.749	2.728	5.6	19.9
10 8	1 3.08	+ 9 41.0	1.721	2.719	1.6	19.7
10 18	0 54.50	+ 9 21.2	1.721	2.709	3.4	19.8
10 28	0 46.68	+ 9 1.4	1.749	2.701	7.5	20.0
11 7	0 40.48	+ 8 46.4	1.802	2.692	11.3	20.2
11 17	0 36.51	+ 8 40.1	1.877	2.685	14.6	20.4

25438 1999 WY_5 10 9.8 321°.29 20°.4/11.6 18

9 8	1 23.63	−36 42.5	1.156	2.007	20.4	17.0
9 18	1 19.82	−39 30.1	1.123	1.976	20.5	16.9
9 28	1 12.64	−41 40.2	1.107	1.946	21.5	16.9
10 8	1 3.31	−42 57.0	1.106	1.917	23.1	16.9
10 18	0 53.55	−43 11.6	1.118	1.889	25.1	17.0
10 28	0 45.33	−42 22.8	1.142	1.862	27.2	17.1
11 7	0 40.11	−40 37.1	1.174	1.836	29.1	17.1
11 17	0 38.59	−38 4.1	1.214	1.812	30.8	17.2

511445 2014 JJ_{29} 10 9.8 216°.40 8°.6/29.9 18

9 8	1 24.76	−18 18.3	2.104	2.979	11.4	21.8
9 18	1 18.97	−19 45.1	2.058	2.974	9.6	21.7
9 28	1 11.50	−21 0.6	2.037	2.968	8.6	21.6
10 8	1 3.09	−21 57.1	2.041	2.961	9.1	21.6
10 18	0 54.60	−22 29.1	2.071	2.955	10.7	21.7
10 28	0 46.94	−22 34.0	2.125	2.948	12.8	21.8
11 7	0 40.87	−22 12.4	2.200	2.940	14.9	22.0
11 17	0 36.86	−21 27.3	2.292	2.933	16.7	22.1

517485 2014 QJ_{166} 10 9.8 49°.58 7°.0/30.9 18

9 8	1 19.80	− 8 57.9	1.874	2.773	11.5	20.0
9 18	1 15.39	−11 25.5	1.850	2.794	8.7	19.9
9 28	1 9.46	−13 46.7	1.854	2.816	7.1	19.8
10 8	1 2.76	−15 50.9	1.886	2.838	7.5	19.9
10 18	0 56.12	−17 30.2	1.944	2.860	9.6	20.1
10 28	0 50.39	−18 40.0	2.028	2.882	12.1	20.3
11 7	0 46.19	−19 19.6	2.134	2.904	14.4	20.5
11 17	0 43.91	−19 31.4	2.257	2.927	16.3	20.7

512456 2016 QL_{36} 10 9.8 103°.63 0°.3/ 9.6 17

9 8	1 26.96	+ 8 41.1	1.609	2.483	14.4	21.3
9 18	1 20.74	+ 7 57.6	1.560	2.500	10.3	21.1
9 28	1 12.52	+ 7 1.8	1.534	2.517	5.7	20.9
10 8	1 3.25	+ 5 59.3	1.534	2.533	0.8	20.6
10 18	0 54.02	+ 4 57.2	1.562	2.548	4.1	20.9
10 28	0 45.94	+ 4 2.8	1.618	2.564	8.6	21.2
11 7	0 39.87	+ 3 21.8	1.699	2.579	12.5	21.5
11 17	0 36.26	+ 2 57.4	1.801	2.593	15.7	21.7

65211 2002 EK_1 10 9.8 313°.81 0°.0/ 9.8 18

9 8	1 15.53	+ 8 2.6	4.221	5.080	6.5	20.1
9 18	1 11.79	+ 7 40.1	4.145	5.078	4.7	19.9
9 28	1 7.32	+ 7 13.0	4.096	5.077	2.6	19.8
10 8	1 2.44	+ 6 43.1	4.077	5.075	0.4	19.6
10 18	0 57.50	+ 6 12.6	4.087	5.074	1.8	19.7
10 28	0 52.87	+ 5 43.8	4.129	5.072	3.9	19.9
11 7	0 48.90	+ 5 18.9	4.198	5.070	5.9	20.0
11 17	0 45.86	+ 4 59.7	4.294	5.069	7.5	20.1

239169 2006 KT_{47} 10 9.8 95°.10 0°.1/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 24.79	+ 9 28.1	1.882	2.750	12.9	21.5
9 18	1 18.96	+ 8 42.5	1.833	2.770	9.2	21.3
9 28	1 11.45	+ 7 45.5	1.808	2.790	5.1	21.1
10 8	1 3.08	+ 6 42.2	1.810	2.809	0.8	20.9
10 18	0 54.76	+ 5 38.7	1.841	2.828	3.5	21.1
10 28	0 47.42	+ 4 41.4	1.901	2.846	7.5	21.4
11 7	0 41.77	+ 3 55.7	1.986	2.865	11.0	21.7
11 17	0 38.24	+ 3 24.6	2.095	2.883	14.0	21.9

150080 2006 UV_9 10 9.8 44°.89 5°.7/ 6.1 16 R

9 8	1 27.62	− 4 14.1	1.209	2.114	15.9	19.7
9 18	1 21.62	− 5 5.1	1.171	2.125	11.5	19.5
9 28	1 13.14	− 5 54.5	1.154	2.136	7.3	19.3
10 8	1 3.35	− 6 33.1	1.162	2.148	5.8	19.2
10 18	0 53.65	− 6 53.4	1.193	2.160	8.7	19.4
10 28	0 45.45	− 6 50.8	1.249	2.172	12.8	19.7
11 7	0 39.73	− 6 24.7	1.325	2.185	16.7	20.0
11 17	0 36.96	− 5 37.3	1.420	2.198	19.9	20.3

149498 2003 FZ_{11} 10 9.8 46°.40 0°.5/10.3 18

9 8	1 22.65	+10 16.2	1.833	2.703	13.1	19.9
9 18	1 17.58	+ 9 47.8	1.775	2.712	9.5	19.7
9 28	1 10.77	+ 9 7.2	1.741	2.722	5.4	19.5
10 8	1 3.00	+ 8 18.5	1.734	2.732	1.2	19.2
10 18	0 55.17	+ 7 27.2	1.754	2.742	3.4	19.4
10 28	0 48.25	+ 6 39.6	1.802	2.752	7.5	19.7
11 7	0 42.98	+ 6 1.0	1.876	2.763	11.1	20.0
11 17	0 39.85	+ 5 35.2	1.972	2.774	14.2	20.2

480646 2015 NM_{21} 10 9.8 81°.11 9°.1/ 1.8 18

9 8	1 26.68	−16 13.1	1.664	2.550	13.4	20.3
9 18	1 20.44	−17 33.5	1.637	2.564	10.8	20.2
9 28	1 12.30	−18 40.2	1.633	2.578	9.3	20.1
10 8	1 3.22	−19 25.0	1.654	2.593	9.5	20.2
10 18	0 54.29	−19 42.4	1.700	2.607	11.3	20.3
10 28	0 46.56	−19 30.7	1.769	2.621	13.7	20.5
11 7	0 40.82	−18 52.1	1.859	2.634	16.0	20.7
11 17	0 37.46	−17 50.7	1.966	2.648	18.1	20.9

301471 2009 DQ_{126} 10 9.8 87°.75 0°.5/ 9.4 18

9 8	1 22.80	+ 8 7.1	1.880	2.755	12.6	20.9
9 18	1 17.65	+ 7 20.4	1.821	2.762	9.0	20.7
9 28	1 10.80	+ 6 22.9	1.786	2.770	4.9	20.5
10 8	1 3.00	+ 5 19.7	1.779	2.777	0.8	20.2
10 18	0 55.15	+ 4 17.1	1.799	2.785	3.8	20.5
10 28	0 48.18	+ 3 21.6	1.848	2.792	7.8	20.7
11 7	0 42.82	+ 2 38.3	1.922	2.799	11.4	21.0
11 17	0 39.56	+ 2 10.3	2.018	2.807	14.4	21.2

186792 2004 EK_{17} 10 9.8 310°.12 5°.3/ 6.1 18

9 8	1 26.74	− 3 52.7	1.359	2.260	14.8	19.6
9 18	1 21.11	− 4 41.3	1.298	2.251	10.8	19.3
9 28	1 13.00	− 5 30.5	1.260	2.242	6.9	19.1
10 8	1 3.38	− 6 11.7	1.246	2.233	5.4	19.0
10 18	0 53.52	− 6 37.0	1.258	2.224	8.3	19.1
10 28	0 44.82	− 6 40.7	1.294	2.216	12.5	19.3
11 7	0 38.37	− 6 20.8	1.352	2.208	16.6	19.6
11 17	0 34.81	− 5 38.5	1.428	2.201	20.0	19.8

257347 2009 KC_4 10 9.8 54°.77 5°.4/ 6.5 17

9 8	1 28.84	− 3 32.6	1.198	2.101	16.2	20.1
9 18	1 22.50	− 4 19.5	1.160	2.113	11.6	19.9
9 28	1 13.64	− 5 5.5	1.144	2.126	7.2	19.7
10 8	1 3.46	− 5 41.6	1.152	2.140	5.5	19.6
10 18	0 53.40	− 6 0.6	1.184	2.153	8.4	19.8
10 28	0 44.89	− 5 57.7	1.241	2.167	12.6	20.1
11 7	0 38.93	− 5 32.2	1.319	2.181	16.6	20.4
11 17	0 35.98	− 4 46.2	1.415	2.195	19.8	20.7

18050 1999 RS_{196} 10 9.8 147°.69 1°.3/11.3 18

9 8	1 21.16	+13 45.4	2.231	3.083	11.8	17.8
9 18	1 16.35	+13 3.5	2.160	3.085	8.7	17.6
9 28	1 10.05	+12 7.8	2.113	3.088	5.2	17.4
10 8	1 2.91	+11 1.8	2.094	3.090	1.8	17.2
10 18	0 55.66	+ 9 50.7	2.103	3.092	2.9	17.3
10 28	0 49.12	+ 8 40.5	2.142	3.093	6.4	17.5
11 7	0 43.95	+ 7 37.3	2.208	3.095	9.7	17.7
11 17	0 40.60	+ 6 45.5	2.298	3.097	12.5	17.9

372797 2010 RW_{141} 10 9.8 342°.82 4°.4/12.8 18

9 8	1 24.85	+16 54.8	1.145	2.018	19.1	20.6
9 18	1 20.28	+17 6.1	1.081	2.011	14.8	20.3
9 28	1 12.78	+16 52.3	1.035	2.006	9.8	20.0
10 8	1 3.38	+16 14.7	1.011	2.001	5.3	19.8
10 18	0 53.58	+15 18.5	1.010	1.997	5.4	19.8
10 28	0 45.08	+14 13.9	1.033	1.994	10.1	20.0
11 7	0 39.21	+13 12.4	1.078	1.991	15.1	20.3
11 17	0 36.71	+12 23.3	1.142	1.990	19.5	20.6

257222 2009 CG_{58} 10 9.8 133°.84 0°.5/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 26.89	+ 8 59.8	1.488	2.365	15.2	21.3
9 18	1 20.92	+ 8 2.7	1.432	2.374	10.9	21.0
9 28	1 12.74	+ 6 50.8	1.399	2.383	6.0	20.8
10 8	1 3.34	+ 5 30.9	1.392	2.391	0.9	20.5
10 18	0 53.89	+ 4 11.6	1.413	2.399	4.5	20.7
10 28	0 45.63	+ 3 1.9	1.461	2.406	9.3	21.0
11 7	0 39.49	+ 2 8.5	1.533	2.413	13.6	21.3
11 17	0 36.00	+ 1 35.3	1.626	2.420	17.1	21.6

300612 2007 UJ_{1} 10 9.8 317°.19 2°.8/ 7.9 18

9 8	1 29.08	− 0 42.4	1.756	2.639	12.9	20.3
9 18	1 22.30	− 0 50.5	1.692	2.638	9.2	20.1
9 28	1 13.48	− 1 0.0	1.653	2.636	5.3	19.8
10 8	1 3.46	− 1 6.7	1.640	2.634	2.8	19.7
10 18	0 53.31	− 1 6.3	1.656	2.633	5.4	19.8
10 28	0 44.15	− 0 55.2	1.699	2.631	9.3	20.1
11 7	0 36.87	− 0 31.4	1.767	2.630	13.0	20.3
11 17	0 32.05	+ 0 5.4	1.857	2.628	16.1	20.5

453548 2009 WK_{186} 10 9.8 330°.27 3°.3/13.6 17

9 8	1 20.79	+19 14.0	2.144	2.976	12.9	21.5
9 18	1 16.25	+18 58.0	2.065	2.971	10.0	21.3
9 28	1 10.08	+18 24.5	2.008	2.966	6.9	21.1
10 8	1 2.93	+17 35.1	1.977	2.962	4.0	20.9
10 18	0 55.60	+16 33.8	1.974	2.957	3.8	20.9
10 28	0 48.97	+15 26.6	1.999	2.953	6.5	21.1
11 7	0 43.77	+14 20.1	2.051	2.950	9.7	21.2
11 17	0 40.53	+13 20.5	2.127	2.946	12.7	21.4

123653 2000 YU_{73} 10 9.8 260°.12 5°.0/ 4.4 18

9 8	1 22.52	− 7 11.1	2.189	3.078	10.5	19.3
9 18	1 17.33	− 8 10.8	2.127	3.071	7.8	19.1
9 28	1 10.61	− 9 8.4	2.091	3.063	5.5	19.0
10 8	1 3.01	− 9 57.8	2.083	3.056	5.2	18.9
10 18	0 55.30	−10 33.6	2.102	3.048	7.1	19.1
10 28	0 48.29	−10 51.9	2.148	3.041	9.8	19.2
11 7	0 42.68	−10 51.2	2.218	3.033	12.5	19.4
11 17	0 38.93	−10 31.7	2.309	3.026	14.8	19.5

11520 Fromm 10 9.8 274°.86 0°.1/ 9.9 18

9 8	1 28.15	+ 7 57.6	1.440	2.320	15.4	17.9
9 18	1 22.19	+ 7 47.7	1.367	2.309	11.3	17.6
9 28	1 13.67	+ 7 25.5	1.315	2.298	6.4	17.3
10 8	1 3.53	+ 6 54.7	1.289	2.287	1.0	16.9
10 18	0 53.00	+ 6 21.0	1.289	2.276	4.4	17.1
10 28	0 43.51	+ 5 51.5	1.315	2.265	9.7	17.4
11 7	0 36.22	+ 5 32.4	1.365	2.254	14.3	17.7
11 17	0 31.86	+ 5 27.8	1.436	2.243	18.3	17.9

25157 Fabian 10 9.8 353°.82 0°.5/ 9.3 18

9 8	1 20.29	+ 7 22.1	1.664	2.550	13.4	18.6
9 18	1 16.14	+ 6 48.7	1.598	2.545	9.6	18.4
9 28	1 10.10	+ 6 4.2	1.556	2.541	5.3	18.1
10 8	1 2.94	+ 5 13.5	1.539	2.538	0.8	17.8
10 18	0 55.61	+ 4 23.0	1.549	2.535	4.1	18.0
10 28	0 49.14	+ 3 39.2	1.585	2.533	8.5	18.3
11 7	0 44.38	+ 3 7.8	1.646	2.533	12.4	18.5
11 17	0 41.88	+ 2 52.1	1.727	2.533	15.8	18.8

364138 2006 CF_{14} 10 9.8 40°.31 3°.9/ 5.4 18

9 8	1 20.57	− 2 40.7	2.066	2.959	10.8	20.6
9 18	1 15.93	− 3 50.3	2.014	2.963	7.7	20.4
9 28	1 9.82	− 5 1.2	1.988	2.968	4.9	20.3
10 8	1 2.88	− 6 6.8	1.989	2.973	4.1	20.2
10 18	0 55.91	− 7 1.1	2.018	2.978	6.2	20.4
10 28	0 49.69	− 7 39.2	2.074	2.983	9.2	20.6
11 7	0 44.89	− 7 58.8	2.154	2.989	12.1	20.8
11 17	0 41.94	− 7 59.5	2.255	2.994	14.5	21.0

19231 1993 TL_{5} 10 9.8 169°.38 1°.8/11.3 18 R

9 8	1 28.31	+13 21.2	1.635	2.493	15.1	19.7
9 18	1 21.94	+13 3.7	1.568	2.496	11.2	19.5
9 28	1 13.35	+12 29.4	1.524	2.499	6.8	19.2
10 8	1 3.46	+11 41.6	1.505	2.501	2.5	18.9
10 18	0 53.39	+10 45.7	1.514	2.502	3.8	19.0
10 28	0 44.38	+ 9 49.3	1.551	2.504	8.2	19.3
11 7	0 37.40	+ 8 59.9	1.614	2.504	12.4	19.6
11 17	0 33.05	+ 8 22.9	1.698	2.504	15.9	19.8

473121 2015 HJ_{180} 10 9.8 176°.08 0°.1/ 9.9 18

9 8	1 27.16	+ 8 45.4	1.855	2.721	13.1	21.9
9 18	1 20.88	+ 8 16.6	1.787	2.723	9.5	21.7
9 28	1 12.67	+ 7 36.5	1.744	2.725	5.3	21.4
10 8	1 3.35	+ 6 49.2	1.728	2.726	0.9	21.1
10 18	0 53.90	+ 6 0.1	1.740	2.727	3.7	21.3
10 28	0 45.35	+ 5 15.5	1.781	2.727	7.9	21.6
11 7	0 38.57	+ 4 40.7	1.848	2.726	11.7	21.8
11 17	0 34.10	+ 4 19.3	1.937	2.725	14.9	22.0

49264 1998 UC 10 9.8 302°.28 12°.6/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.02	+40 22.2	1.538	2.264	21.6	18.6
9 18	1 19.15	+40 37.6	1.433	2.235	19.5	18.3
9 28	1 12.31	+40 11.9	1.343	2.206	17.0	18.1
10 8	1 3.35	+38 57.7	1.270	2.177	14.5	17.8
10 18	0 53.69	+36 51.8	1.219	2.147	12.8	17.6
10 28	0 45.04	+33 59.9	1.191	2.119	12.9	17.6
11 7	0 38.92	+30 37.2	1.188	2.090	15.0	17.6
11 17	0 36.24	+27 3.3	1.208	2.062	18.2	17.7

472487 2015 CN_{7} 10 9.8 75°.28 1°.3/10.9 16

9 8	1 27.79	+12 4.5	1.404	2.275	16.3	21.3
9 18	1 21.57	+11 40.9	1.358	2.294	11.9	21.1
9 28	1 13.08	+11 0.4	1.334	2.313	7.0	20.9
10 8	1 3.41	+10 7.8	1.335	2.333	2.0	20.6
10 18	0 53.80	+ 9 10.1	1.363	2.352	4.0	20.8
10 28	0 45.53	+ 8 15.5	1.417	2.371	8.7	21.1
11 7	0 39.54	+ 7 31.4	1.496	2.389	13.0	21.4
11 17	0 36.29	+ 7 2.3	1.595	2.408	16.5	21.7

40673 1999 RL_{203} 10 9.8 86°.92 6°.3/15.9 18

9 8	1 25.50	+25 28.6	1.765	2.570	16.4	19.0
9 18	1 19.95	+25 39.3	1.695	2.575	13.3	18.8
9 28	1 12.27	+25 25.0	1.646	2.581	10.1	18.6
10 8	1 3.30	+24 45.9	1.621	2.587	7.2	18.4
10 18	0 54.14	+23 44.9	1.622	2.592	6.4	18.4
10 28	0 46.00	+22 29.1	1.650	2.598	8.2	18.5
11 7	0 39.80	+21 8.1	1.703	2.604	11.3	18.7
11 17	0 36.15	+19 50.6	1.780	2.609	14.3	18.9

278484 2007 UT_{84} 10 9.8 53°.77 5°.0/ 7.3 17

9 8	1 32.64	− 3 10.8	1.062	1.965	17.7	19.6
9 18	1 25.27	− 3 33.9	1.033	1.986	12.7	19.4
9 28	1 15.15	− 3 55.5	1.024	2.008	7.6	19.2
10 8	1 3.71	− 4 7.8	1.039	2.030	5.0	19.1
10 18	0 52.62	− 4 4.5	1.078	2.053	8.1	19.4
10 28	0 43.43	− 3 42.4	1.142	2.075	12.7	19.7
11 7	0 37.15	− 3 1.4	1.226	2.098	16.9	20.0
11 17	0 34.17	− 2 3.8	1.328	2.121	20.3	20.4

74395 1998 XY_{57} 10 9.8 311°.22 6°.2/ 4.2 18

9 8	1 23.17	− 7 21.3	1.698	2.596	12.5	19.0
9 18	1 18.17	− 8 32.0	1.639	2.586	9.3	18.8
9 28	1 11.22	− 9 40.3	1.604	2.577	6.7	18.6
10 8	1 3.13	−10 38.0	1.595	2.568	6.4	18.6
10 18	0 54.88	−11 17.9	1.612	2.560	8.7	18.7
10 28	0 47.54	−11 34.9	1.654	2.552	11.9	18.8
11 7	0 41.96	−11 27.6	1.718	2.543	15.1	19.0
11 17	0 38.69	−10 57.1	1.801	2.536	17.8	19.2

153272 2001 CM_{45} 10 9.8 133°.32 5°.3/ 2.9 18

9 8	1 22.99	−12 45.2	2.846	3.722	8.8	20.3
9 18	1 17.27	−13 39.0	2.806	3.735	6.8	20.2
9 28	1 10.41	−14 26.7	2.794	3.747	5.5	20.1
10 8	1 2.99	−15 3.7	2.810	3.759	5.5	20.2
10 18	0 55.59	−15 26.7	2.854	3.771	6.8	20.3
10 28	0 48.84	−15 33.4	2.925	3.782	8.7	20.4
11 7	0 43.25	−15 23.7	3.021	3.793	10.5	20.6
11 17	0 39.16	−14 58.6	3.138	3.804	12.1	20.7

77976 2002 JN_{19} 10 9.8 115°.71 3°.8/ 6.8 17

9 8	1 26.74	+ 0 30.3	1.454	2.349	14.4	19.7
9 18	1 20.79	− 0 38.8	1.406	2.358	10.2	19.5
9 28	1 12.66	− 1 53.1	1.382	2.366	5.9	19.2
10 8	1 3.35	− 3 3.8	1.383	2.375	3.8	19.1
10 18	0 54.04	− 4 2.5	1.411	2.383	6.8	19.3
10 28	0 45.93	− 4 42.3	1.465	2.391	11.0	19.6
11 7	0 39.96	− 4 59.9	1.542	2.399	14.9	19.9
11 17	0 36.61	− 4 55.1	1.638	2.406	18.0	20.1

164328 2005 AH_{54} 10 9.8 302°.35 3°.6/12.7 18

9 8	1 25.61	+16 39.1	1.681	2.529	15.1	20.1
9 18	1 20.16	+16 50.0	1.602	2.520	11.7	19.8
9 28	1 12.47	+16 43.0	1.545	2.511	7.8	19.6
10 8	1 3.35	+16 19.1	1.513	2.502	4.2	19.4
10 18	0 53.89	+15 41.5	1.508	2.493	4.4	19.4
10 28	0 45.30	+14 56.5	1.530	2.485	8.1	19.6
11 7	0 38.62	+14 11.7	1.577	2.476	12.1	19.8
11 17	0 34.52	+13 33.8	1.646	2.468	15.6	20.0

444517 2006 SW_{68} 10 9.8 140°.37 1°.0/ 8.9 18

9 8	1 22.83	+ 6 28.1	1.967	2.843	12.0	21.7
9 18	1 17.67	+ 5 41.1	1.903	2.846	8.6	21.5
9 28	1 10.84	+ 4 44.9	1.864	2.848	4.7	21.2
10 8	1 3.07	+ 3 44.6	1.852	2.850	1.0	21.0
10 18	0 55.21	+ 2 46.0	1.869	2.853	4.0	21.2
10 28	0 48.15	+ 1 55.3	1.914	2.855	7.9	21.4
11 7	0 42.63	+ 1 17.2	1.985	2.856	11.4	21.7
11 17	0 39.15	+ 0 54.5	2.077	2.858	14.3	21.9

501789 2014 VZ_{23} 10 9.8 32°.57 1°.8/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.37	+ 6 55.2	0.891	1.804	19.3	19.9
9 18	1 19.17	+ 5 54.8	0.856	1.816	13.7	19.6
9 28	1 12.00	+ 4 37.9	0.840	1.829	7.4	19.4
10 8	1 3.25	+ 3 15.4	0.845	1.843	1.8	19.1
10 18	0 54.59	+ 2 0.1	0.873	1.859	6.4	19.4
10 28	0 47.68	+ 1 3.5	0.922	1.875	12.3	19.8
11 7	0 43.62	+ 0 32.2	0.992	1.892	17.3	20.2
11 17	0 42.87	+ 0 27.6	1.078	1.910	21.4	20.5

220501 2004 DB_{18} 10 9.8 199°.10 2°.0/ 8.0 18

9 8	1 26.38	+ 3 45.0	1.826	2.706	12.7	21.6
9 18	1 20.35	+ 2 53.3	1.758	2.703	9.0	21.4
9 28	1 12.41	+ 1 53.7	1.715	2.700	5.0	21.1
10 8	1 3.34	+ 0 52.1	1.700	2.696	2.0	20.9
10 18	0 54.10	− 0 4.8	1.713	2.691	5.0	21.1
10 28	0 45.75	− 0 50.7	1.753	2.686	9.0	21.4
11 7	0 39.15	− 1 20.9	1.819	2.681	12.7	21.6
11 17	0 34.83	− 1 33.3	1.906	2.674	15.8	21.8

509188 2006 KS_{58} 10 9.8 245°.04 6°.5/ 3.8 18

9 8	1 26.31	−10 11.4	1.924	2.810	11.8	21.9
9 18	1 20.25	−11 12.9	1.861	2.799	9.0	21.7
9 28	1 12.34	−12 9.5	1.824	2.788	6.9	21.5
10 8	1 3.33	−12 53.9	1.813	2.777	6.7	21.5
10 18	0 54.15	−13 20.0	1.829	2.765	8.7	21.6
10 28	0 45.83	−13 24.0	1.871	2.753	11.6	21.8
11 7	0 39.19	−13 5.2	1.935	2.740	14.4	21.9
11 17	0 34.77	−12 25.1	2.020	2.728	16.9	22.1

517149 2013 KW_{8} 10 9.9 125°.59 0°.4/10.3 18

9 8	1 21.47	+10 30.9	2.562	3.418	10.3	21.9
9 18	1 16.36	+ 9 50.8	2.499	3.430	7.4	21.7
9 28	1 9.99	+ 9 1.2	2.462	3.441	4.2	21.5
10 8	1 2.95	+ 8 5.5	2.453	3.451	0.9	21.3
10 18	0 55.87	+ 7 8.0	2.475	3.462	2.6	21.4
10 28	0 49.43	+ 6 13.6	2.526	3.472	5.9	21.7
11 7	0 44.21	+ 5 26.6	2.604	3.481	8.8	21.9
11 17	0 40.58	+ 4 50.0	2.708	3.491	11.3	22.1

403131 2008 EY_{18} 10 9.9 221°.36 1°.6/11.6 18

9 8	1 23.94	+13 48.3	2.530	3.371	10.9	21.9
9 18	1 18.29	+13 32.4	2.443	3.361	8.1	21.7
9 28	1 11.17	+13 4.7	2.381	3.352	5.0	21.5
10 8	1 3.15	+12 27.3	2.347	3.341	2.1	21.3
10 18	0 54.93	+11 43.5	2.343	3.331	2.8	21.4
10 28	0 47.28	+10 57.8	2.370	3.319	6.0	21.5
11 7	0 40.90	+10 15.2	2.423	3.308	9.1	21.7
11 17	0 36.25	+ 9 39.6	2.502	3.295	11.8	21.9

243466 2009 SE_{104} 10 9.9 20°.49 2°.0/ 7.5 18

9 8	1 19.98	+ 3 34.8	2.165	3.049	10.8	20.0
9 18	1 15.52	+ 2 28.2	2.102	3.049	7.6	19.8
9 28	1 9.61	+ 1 15.0	2.065	3.050	4.2	19.6
10 8	1 2.89	+ 0 0.7	2.056	3.051	2.0	19.4
10 18	0 56.09	− 1 8.4	2.076	3.052	4.5	19.6
10 28	0 49.97	− 2 6.5	2.124	3.053	7.9	19.8
11 7	0 45.20	− 2 49.6	2.197	3.054	11.0	20.0
11 17	0 42.20	− 3 15.6	2.293	3.056	13.6	20.2

474644 2004 XF_{21} 10 9.9 326°.12 11°.5/ 1.3 18

9 8	1 25.95	−17 15.9	1.274	2.172	15.8	20.5
9 18	1 20.87	−18 28.8	1.214	2.148	13.2	20.3
9 28	1 13.04	−19 27.1	1.176	2.125	11.6	20.1
10 8	1 3.47	−19 58.8	1.159	2.103	12.0	20.1
10 18	0 53.56	−19 54.9	1.164	2.082	14.3	20.1
10 28	0 44.84	−19 11.9	1.190	2.062	17.4	20.3
11 7	0 38.55	−17 52.3	1.234	2.043	20.7	20.4
11 17	0 35.40	−16 2.3	1.293	2.026	23.7	20.6

408275 2013 FK_{21} 10 9.9 78°.61 1°.2/ 8.8 18

9 8	1 25.57	+ 3 45.7	2.103	2.978	11.5	20.8
9 18	1 19.44	+ 3 30.6	2.049	2.991	8.1	20.6
9 28	1 11.76	+ 3 10.4	2.020	3.004	4.4	20.4
10 8	1 3.24	+ 2 48.9	2.019	3.017	1.2	20.2
10 18	0 54.71	+ 2 29.9	2.048	3.030	3.8	20.4
10 28	0 47.04	+ 2 17.3	2.105	3.043	7.4	20.7
11 7	0 40.90	+ 2 14.1	2.188	3.056	10.6	20.9
11 17	0 36.74	+ 2 21.8	2.294	3.069	13.3	21.1

519523 2012 HB_{36} 10 9.9 301°.26 4°.8/ 5.8 17

9 8	1 26.66	− 7 7.3	2.063	2.947	11.3	20.7
9 18	1 20.49	− 7 31.1	1.985	2.926	8.4	20.5
9 28	1 12.50	− 7 51.8	1.931	2.906	5.7	20.3
10 8	1 3.38	− 8 4.0	1.906	2.885	4.8	20.2
10 18	0 54.01	− 8 3.4	1.908	2.865	6.8	20.3
10 28	0 45.35	− 7 46.8	1.938	2.844	9.9	20.5
11 7	0 38.25	− 7 13.2	1.992	2.824	13.0	20.6
11 17	0 33.27	− 6 23.4	2.068	2.804	15.7	20.8

311776 2006 UU_{21} 10 9.9 317°.59 1°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.48	+12 41.0	1.708	2.576	14.0	21.0
9 18	1 17.10	+12 10.8	1.628	2.563	10.4	20.8
9 28	1 10.73	+11 24.0	1.572	2.550	6.2	20.5
10 8	1 3.10	+10 24.2	1.541	2.538	2.0	20.2
10 18	0 55.19	+ 9 17.4	1.537	2.526	3.6	20.3
10 28	0 48.09	+ 8 11.3	1.560	2.514	8.0	20.5
11 7	0 42.71	+ 7 13.5	1.608	2.503	12.2	20.8
11 17	0 39.67	+ 6 29.7	1.678	2.492	15.8	21.0

158772 2003 SB_{60} 10 9.9 353°.25 3°.0/ 6.9 18

9 8	1 21.88	− 0 24.2	2.012	2.901	11.2	19.5
9 18	1 16.97	− 1 7.4	1.951	2.899	8.0	19.3
9 28	1 10.46	− 1 53.6	1.914	2.898	4.6	19.1
10 8	1 3.04	− 2 37.2	1.905	2.897	3.0	19.0
10 18	0 55.52	− 3 13.0	1.924	2.896	5.3	19.2
10 28	0 48.77	− 3 36.5	1.970	2.895	8.7	19.4
11 7	0 43.49	− 3 44.7	2.041	2.895	11.9	19.6
11 17	0 40.15	− 3 36.8	2.133	2.895	14.6	19.8

275332 2010 VV_{172} 10 9.9 349°.69 1°.3/ 7.5 18

9 8	1 16.10	+ 1 3.1	4.005	4.881	6.5	20.5
9 18	1 12.24	+ 0 35.5	3.937	4.880	4.5	20.4
9 28	1 7.63	+ 0 5.9	3.896	4.879	2.5	20.3
10 8	1 2.59	− 0 23.2	3.884	4.878	1.3	20.2
10 18	0 57.50	− 0 49.4	3.903	4.878	2.7	20.3
10 28	0 52.74	− 1 10.5	3.952	4.877	4.7	20.4
11 7	0 48.68	− 1 24.7	4.028	4.876	6.6	20.6
11 17	0 45.59	− 1 30.8	4.129	4.876	8.3	20.7

490450 2009 SX_{204} 10 9.9 322°.44 0°.4/ 9.5 17

9 8	1 24.08	+ 6 10.0	2.048	2.921	11.8	21.1
9 18	1 18.61	+ 6 2.5	1.973	2.913	8.5	20.9
9 28	1 11.43	+ 5 47.7	1.923	2.906	4.7	20.6
10 8	1 3.21	+ 5 28.7	1.900	2.899	0.7	20.3
10 18	0 54.79	+ 5 9.5	1.906	2.892	3.5	20.5
10 28	0 47.09	+ 4 54.3	1.939	2.885	7.4	20.8
11 7	0 40.89	+ 4 46.8	1.999	2.878	10.9	21.0
11 17	0 36.74	+ 4 49.7	2.082	2.872	14.0	21.2

397638 2007 XH_{6} 10 9.9 300°.31 5°.2/15.3 18

9 8	1 21.06	+24 35.8	1.767	2.583	15.9	20.3
9 18	1 16.92	+24 4.5	1.672	2.564	12.9	20.0
9 28	1 10.69	+23 5.2	1.599	2.544	9.4	19.8
10 8	1 3.11	+21 38.8	1.549	2.525	6.2	19.5
10 18	0 55.17	+19 49.8	1.526	2.506	5.3	19.5
10 28	0 48.02	+17 47.4	1.531	2.487	8.0	19.6
11 7	0 42.65	+15 43.3	1.562	2.468	11.7	19.7
11 17	0 39.72	+13 48.3	1.616	2.450	15.4	19.9

208287 2001 CN_{12} 10 9.9 178°.39 5°.9/ 3.5 18

9 8	1 24.34	− 9 1.1	2.098	2.985	11.0	20.4
9 18	1 18.64	−10 18.7	2.046	2.986	8.3	20.2
9 28	1 11.36	−11 32.5	2.021	2.987	6.2	20.1
10 8	1 3.19	−12 35.4	2.023	2.988	6.1	20.1
10 18	0 54.97	−13 21.3	2.053	2.988	8.0	20.2
10 28	0 47.55	−13 46.3	2.110	2.987	10.6	20.4
11 7	0 41.65	−13 49.3	2.189	2.986	13.2	20.5
11 17	0 37.72	−13 31.5	2.288	2.985	15.4	20.7

70774 1999 VS_{37} 10 9.9 194°.34 1°.7/ 7.9 18

9 8	1 22.19	+ 2 28.5	2.593	3.468	9.5	19.2
9 18	1 16.91	+ 1 51.6	2.524	3.467	6.7	19.0
9 28	1 10.34	+ 1 10.4	2.481	3.465	3.7	18.8
10 8	1 3.04	+ 0 28.9	2.467	3.463	1.7	18.7
10 18	0 55.64	− 0 9.0	2.483	3.460	3.8	18.8
10 28	0 48.83	− 0 39.2	2.528	3.457	6.8	19.0
11 7	0 43.20	− 0 58.8	2.600	3.454	9.6	19.2
11 17	0 39.16	− 1 6.2	2.695	3.451	12.0	19.4

421597 2014 OL_{227} 10 9.9 358°.72 3°.6/ 6.5 18

9 8	1 23.64	− 3 2.3	2.032	2.920	11.2	20.6
9 18	1 18.20	− 3 36.0	1.972	2.919	8.0	20.4
9 28	1 11.14	− 4 9.9	1.938	2.919	4.9	20.2
10 8	1 3.17	− 4 38.9	1.931	2.919	3.6	20.1
10 18	0 55.11	− 4 58.4	1.952	2.919	5.8	20.2
10 28	0 47.86	− 5 4.5	2.000	2.919	9.0	20.4
11 7	0 42.11	− 4 55.3	2.073	2.919	12.0	20.6
11 17	0 38.36	− 4 30.9	2.167	2.920	14.6	20.8

393147 2013 BX_{71} 10 9.9 87°.19 1°.3/ 8.6 18

9 8	1 23.48	+ 5 20.0	1.865	2.745	12.4	20.6
9 18	1 18.18	+ 4 35.4	1.807	2.752	8.8	20.4
9 28	1 11.16	+ 3 42.5	1.773	2.758	4.8	20.2
10 8	1 3.17	+ 2 46.7	1.767	2.765	1.3	19.9
10 18	0 55.13	+ 1 54.1	1.789	2.772	4.3	20.2
10 28	0 47.97	+ 1 10.6	1.839	2.778	8.2	20.4
11 7	0 42.45	+ 0 40.5	1.913	2.785	11.7	20.6
11 17	0 39.04	+ 0 26.2	2.010	2.791	14.7	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
246318 2007 TZ_{169}		10 9.9 23°.42 4°.4/14.4 18				
	h m	° ′			°	m
9 8	1 19.89	+22 29.5	1.447	2.289	17.5	19.0
9 18	1 16.12	+21 41.2	1.386	2.296	13.7	18.8
9 28	1 10.19	+20 23.2	1.344	2.303	9.5	18.6
10 8	1 3.03	+18 39.5	1.327	2.311	5.6	18.4
10 18	0 55.79	+16 38.5	1.335	2.320	4.8	18.4
10 28	0 49.66	+14 32.4	1.370	2.330	8.2	18.6
11 7	0 45.57	+12 33.6	1.430	2.341	12.3	18.9
11 17	0 44.01	+10 51.7	1.512	2.352	15.9	19.1
318426 2005 BZ_{23}		10 9.9 202°.06 1°.6/ 8.6 17				
9 8	1 27.82	+ 4 57.2	1.549	2.432	14.4	21.4
9 18	1 21.68	+ 4 15.3	1.484	2.430	10.3	21.1
9 28	1 13.28	+ 3 23.5	1.442	2.427	5.6	20.9
10 8	1 3.53	+ 2 27.8	1.426	2.424	1.7	20.6
10 18	0 53.59	+ 1 35.6	1.438	2.420	5.1	20.8
10 28	0 44.71	+ 0 54.0	1.476	2.417	9.8	21.1
11 7	0 37.88	+ 0 28.3	1.539	2.412	14.0	21.3
11 17	0 33.72	+ 0 21.0	1.622	2.407	17.5	21.6
404683 2014 HJ_{170}		10 9.9 316°.54 2°.4/ 5.5 18				
9 8	1 15.84	− 4 23.5	3.992	4.875	6.3	20.8
9 18	1 12.08	− 4 59.5	3.925	4.869	4.5	20.7
9 28	1 7.56	− 5 35.1	3.885	4.862	2.9	20.6
10 8	1 2.61	− 6 7.8	3.875	4.856	2.5	20.5
10 18	0 57.60	− 6 34.8	3.894	4.850	3.7	20.6
10 28	0 52.92	− 6 54.0	3.942	4.844	5.5	20.7
11 7	0 48.93	− 7 4.0	4.017	4.838	7.2	20.9
11 17	0 45.91	− 7 4.0	4.115	4.833	8.8	21.0
350836 2002 EO_{157}		10 9.9 169°.92 0°.1/ 9.6 18				
9 8	1 14.27	+ 7 29.7	5.226	6.083	5.4	21.9
9 18	1 10.83	+ 7 1.7	5.152	6.085	3.8	21.7
9 28	1 6.82	+ 6 30.0	5.106	6.087	2.1	21.6
10 8	1 2.50	+ 5 56.3	5.090	6.089	0.3	21.4
10 18	0 58.13	+ 5 22.5	5.105	6.090	1.5	21.6
10 28	0 54.02	+ 4 50.4	5.151	6.092	3.3	21.7
11 7	0 50.43	+ 4 21.9	5.225	6.093	4.9	21.8
11 17	0 47.57	+ 3 58.5	5.326	6.094	6.3	21.9
26563 2000 EG_{39}		10 9.9 294°.04 2°.5/ 6.7 18				
9 8	1 18.95	+ 2 57.7	2.255	3.140	10.4	17.5
9 18	1 14.81	+ 1 29.3	2.184	3.132	7.3	17.3
9 28	1 9.26	− 0 6.5	2.140	3.125	4.1	17.1
10 8	1 2.90	− 1 43.3	2.125	3.117	2.5	17.0
10 18	0 56.40	− 3 14.0	2.139	3.110	4.9	17.1
10 28	0 50.52	− 4 32.1	2.181	3.103	8.2	17.3
11 7	0 45.90	− 5 33.1	2.250	3.096	11.2	17.5
11 17	0 42.98	− 6 14.5	2.340	3.088	13.8	17.7
393792 2005 MR_{3}		10 9.9 76°.10 0°.6/ 9.3 18				
9 8	1 23.13	+ 7 59.5	1.831	2.706	12.8	21.1
9 18	1 17.91	+ 7 8.7	1.779	2.721	9.1	20.9
9 28	1 10.99	+ 6 7.2	1.752	2.735	5.0	20.7
10 8	1 3.17	+ 5 0.7	1.751	2.750	0.8	20.4
10 18	0 55.35	+ 3 55.7	1.779	2.764	3.8	20.7
10 28	0 48.47	+ 2 58.6	1.835	2.779	7.9	21.0
11 7	0 43.26	+ 2 14.8	1.916	2.793	11.4	21.2
11 17	0 40.14	+ 1 46.9	2.019	2.807	14.4	21.5
518 Halawe		10 9.9 35°.75 0°.7/10.5 18 R				
9 8	1 21.69	+12 31.4	1.177	2.065	17.6	13.8
9 18	1 17.49	+11 29.4	1.138	2.084	12.7	13.6
9 28	1 10.94	+10 6.7	1.120	2.103	7.2	13.4
10 8	1 3.16	+ 8 31.6	1.125	2.123	1.6	13.1
10 18	0 55.48	+ 6 55.2	1.155	2.145	4.3	13.4
10 28	0 49.20	+ 5 28.8	1.211	2.166	9.6	13.7
11 7	0 45.21	+ 4 21.3	1.289	2.189	14.1	14.1
11 17	0 43.95	+ 3 36.9	1.386	2.212	17.8	14.4
167204 2003 TO_{33}		10 9.9 15°.63 1°.4/ 8.7 18				
9 8	1 22.83	+ 5 51.2	1.476	2.367	14.5	20.7
9 18	1 18.11	+ 5 4.0	1.419	2.369	10.3	20.5
9 28	1 11.28	+ 4 5.9	1.386	2.372	5.6	20.2
10 8	1 3.24	+ 3 3.4	1.377	2.375	1.5	20.0
10 18	0 55.10	+ 2 4.4	1.395	2.379	4.9	20.2
10 28	0 48.01	+ 1 16.5	1.439	2.383	9.6	20.5
11 7	0 42.89	+ 0 45.1	1.506	2.388	13.7	20.8
11 17	0 40.27	+ 0 32.9	1.593	2.393	17.1	21.0
445719 2011 UA_{282}		10 9.9 347°.31 1°.6/11.2 18				
9 8	1 23.11	+12 29.4	1.650	2.518	14.4	21.0
9 18	1 18.28	+12 14.7	1.580	2.514	10.7	20.8
9 28	1 11.40	+11 44.5	1.533	2.510	6.4	20.5
10 8	1 3.27	+11 2.0	1.511	2.508	2.2	20.2
10 18	0 54.93	+10 12.5	1.516	2.505	3.6	20.3
10 28	0 47.50	+ 9 22.9	1.548	2.503	8.0	20.6
11 7	0 41.91	+ 8 40.3	1.605	2.501	12.1	20.8
11 17	0 38.73	+ 8 9.6	1.683	2.500	15.6	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
480162 2015 FZ_{297}		10 9.9 209°.83 3°.4/ 6.7 16				
	h m	° ′			°	m
9 8	1 26.32	− 0 19.2	1.849	2.734	12.3	22.1
9 18	1 20.33	− 1 18.7	1.782	2.729	8.8	21.8
9 28	1 12.44	− 2 22.4	1.740	2.723	5.2	21.6
10 8	1 3.44	− 3 23.8	1.726	2.717	3.5	21.5
10 18	0 54.26	− 4 16.0	1.740	2.710	6.1	21.6
10 28	0 45.95	− 4 53.2	1.782	2.702	9.8	21.9
11 7	0 39.35	− 5 11.8	1.848	2.694	13.3	22.1
11 17	0 35.01	− 5 11.0	1.934	2.685	16.2	22.3
128812 2004 RW_{255}		10 9.9 69°.35 9°.1/ 2.7 18				
9 8	1 27.52	−14 38.7	1.512	2.403	14.2	19.4
9 18	1 21.21	−15 55.3	1.484	2.417	11.3	19.3
9 28	1 12.85	−16 58.9	1.479	2.432	9.4	19.2
10 8	1 3.47	−17 40.5	1.498	2.446	9.4	19.2
10 18	0 54.26	−17 54.4	1.542	2.461	11.3	19.4
10 28	0 46.35	−17 38.7	1.609	2.476	14.0	19.6
11 7	0 40.59	−16 55.7	1.696	2.490	16.6	19.8
11 17	0 37.38	−15 50.0	1.802	2.505	18.8	20.0
356627 2011 UF_{26}		10 9.9 274°.10 0°.8/10.7 18				
9 8	1 22.04	+12 5.0	2.002	2.863	12.5	21.0
9 18	1 17.30	+11 21.1	1.915	2.848	9.2	20.8
9 28	1 10.79	+10 22.2	1.853	2.831	5.4	20.5
10 8	1 3.18	+ 9 12.2	1.817	2.815	1.4	20.2
10 18	0 55.30	+ 7 56.6	1.811	2.799	3.3	20.3
10 28	0 48.10	+ 6 42.9	1.832	2.782	7.4	20.6
11 7	0 42.39	+ 5 37.7	1.880	2.765	11.2	20.8
11 17	0 38.74	+ 4 46.4	1.950	2.749	14.5	21.0
368501 2003 UL_{104}		10 9.9 13°.05 0°.1/ 9.9 16				
9 8	1 20.86	+ 9 48.8	0.953	1.860	19.0	20.2
9 18	1 17.46	+ 9 7.3	0.907	1.863	13.7	19.9
9 28	1 11.19	+ 8 5.1	0.880	1.867	7.7	19.6
10 8	1 3.25	+ 6 50.2	0.875	1.873	1.2	19.2
10 18	0 55.19	+ 5 34.0	0.892	1.881	5.2	19.6
10 28	0 48.64	+ 4 28.9	0.931	1.890	11.3	19.9
11 7	0 44.78	+ 3 43.9	0.991	1.900	16.5	20.3
11 17	0 44.14	+ 3 23.2	1.068	1.911	20.8	20.6
473230 2015 KP_{151}		10 9.9 357°.55 8°.6/ 4.3 18				
9 8	1 24.27	− 9 56.5	1.128	2.041	16.2	19.4
9 18	1 19.61	−10 56.2	1.084	2.036	12.4	19.2
9 28	1 12.28	−11 47.6	1.060	2.033	9.3	19.0
10 8	1 3.42	−12 19.6	1.058	2.031	8.9	19.0
10 18	0 54.47	−12 24.3	1.079	2.030	11.5	19.1
10 28	0 46.93	−11 57.7	1.121	2.031	15.2	19.3
11 7	0 41.89	−11 1.5	1.183	2.033	18.9	19.6
11 17	0 39.90	− 9 40.3	1.261	2.036	22.1	19.8
81035 2000 EG_{49}		10 9.9 52°.81 0°.7/ 9.3 18				
9 8	1 25.17	+ 8 34.0	1.257	2.146	16.5	18.2
9 18	1 19.82	+ 7 38.4	1.220	2.168	11.7	18.0
9 28	1 12.18	+ 6 28.3	1.205	2.190	6.4	17.8
10 8	1 3.38	+ 5 12.0	1.214	2.213	1.0	17.5
10 18	0 54.74	+ 3 58.7	1.249	2.236	4.8	17.8
10 28	0 47.52	+ 2 57.5	1.310	2.259	9.8	18.2
11 7	0 42.60	+ 2 14.7	1.393	2.282	14.1	18.5
11 17	0 40.41	+ 1 52.9	1.497	2.306	17.6	18.8
151590 Fan		10 9.9 143°.94 5°.0/ 5.6 18				
9 8	1 26.33	− 3 19.6	1.577	2.472	13.5	19.9
9 18	1 20.46	− 4 30.7	1.527	2.476	9.7	19.7
9 28	1 12.53	− 5 42.7	1.500	2.480	6.2	19.5
10 8	1 3.46	− 6 47.3	1.500	2.484	5.1	19.5
10 18	0 54.33	− 7 36.5	1.526	2.487	7.7	19.6
10 28	0 46.30	− 8 4.8	1.578	2.491	11.4	19.9
11 7	0 40.24	− 8 10.0	1.653	2.494	14.9	20.1
11 17	0 36.67	− 7 52.7	1.747	2.497	17.8	20.3
315950 2008 TT_{127}		10 9.9 348°.29 1°.4/12.4 18				
9 8	1 15.81	+15 10.2	4.066	4.897	7.3	20.6
9 18	1 12.10	+14 53.5	3.984	4.896	5.5	20.5
9 28	1 7.60	+14 29.0	3.929	4.894	3.5	20.4
10 8	1 2.67	+13 58.3	3.902	4.893	1.7	20.2
10 18	0 57.66	+13 23.4	3.906	4.892	1.9	20.2
10 28	0 52.98	+12 46.8	3.939	4.891	3.7	20.4
11 7	0 49.00	+12 11.3	4.002	4.890	5.7	20.5
11 17	0 45.99	+11 39.4	4.090	4.889	7.5	20.6
488793 2005 AZ_{31}		10 9.9 316°.32 10°.5/17.9 16				
9 8	1 24.97	+30 50.1	1.514	2.301	19.4	20.9
9 18	1 20.46	+31 52.3	1.423	2.279	16.8	20.6
9 28	1 13.08	+32 26.3	1.349	2.256	14.0	20.4
10 8	1 3.62	+32 26.5	1.296	2.235	11.6	20.2
10 18	0 53.37	+31 51.0	1.266	2.213	10.5	20.1
10 28	0 43.96	+30 44.1	1.258	2.193	11.7	20.1
11 7	0 36.85	+29 16.2	1.274	2.173	14.4	20.2
11 17	0 33.03	+27 40.0	1.310	2.154	17.6	20.4

447377 2006 AB_{67} 10 9.9 328°.79 5°.0/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.56	− 5 17.7	1.960	2.856	11.2	20.4
9 18	1 16.13	− 6 35.7	1.902	2.850	8.2	20.2
9 28	1 10.08	− 7 53.6	1.869	2.844	5.6	20.1
10 8	1 3.10	− 9 3.9	1.862	2.839	5.3	20.0
10 18	0 55.99	−10 0.0	1.883	2.834	7.4	20.2
10 28	0 49.64	−10 36.7	1.931	2.829	10.4	20.3
11 7	0 44.77	−10 51.6	2.001	2.824	13.3	20.5
11 17	0 41.85	−10 44.9	2.091	2.820	15.8	20.7

334373 2002 AB_{114} 10 9.9 352°.06 11°.7/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.16	−14 47.0	1.115	2.030	16.1	19.0
9 18	1 16.74	−16 45.0	1.077	2.022	13.3	18.9
9 28	1 10.72	−18 29.4	1.059	2.016	11.8	18.8
10 8	1 3.21	−19 45.6	1.063	2.010	12.4	18.8
10 18	0 55.58	−20 23.4	1.087	2.007	14.9	18.9
10 28	0 49.26	−20 18.5	1.131	2.004	18.1	19.1
11 7	0 45.34	−19 33.3	1.192	2.003	21.2	19.3
11 17	0 44.34	−18 14.2	1.266	2.004	23.9	19.5

106523 2000 WE_{55} 10 9.9 74°.14 16°.4/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.22	+48 23.8	1.549	2.196	24.2	18.2
9 18	1 29.01	+50 6.1	1.499	2.215	22.3	18.1
9 28	1 17.96	+51 7.6	1.461	2.235	20.3	18.0
10 8	1 4.41	+51 20.1	1.438	2.254	18.4	17.9
10 18	0 50.42	+50 40.5	1.433	2.274	17.0	17.9
10 28	0 38.29	+49 13.9	1.447	2.293	16.4	17.9
11 7	0 29.73	+47 12.8	1.480	2.312	16.7	18.0
11 17	0 25.47	+44 53.0	1.533	2.331	17.8	18.1

434051 2001 UW_{16} 10 9.9 230°.87 31°.8/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	2 51.28	−48 48.2	0.852	1.580	34.9	21.7
9 18	2 26.70	−50 10.8	0.797	1.568	33.5	21.5
9 28	1 51.23	−50 17.7	0.754	1.555	32.3	21.3
10 8	1 9.63	−48 19.8	0.725	1.540	31.8	21.2
10 18	0 30.19	−43 56.8	0.717	1.523	32.6	21.2
10 28	23 59.61	−37 35.9	0.730	1.504	34.6	21.2
11 7	23 39.61	−30 13.5	0.764	1.484	37.3	21.4
11 17	23 28.76	−22 40.1	0.815	1.462	40.1	21.6

323327 2003 UK_{156} 10 9.9 13°.91 3°.7/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.42	+ 1 30.3	0.925	1.844	18.2	19.6
9 18	1 19.30	+ 0 51.4	0.885	1.848	12.9	19.3
9 28	1 12.22	+ 0 5.2	0.864	1.853	7.3	19.1
10 8	1 3.46	− 0 38.7	0.864	1.860	3.7	18.9
10 18	0 54.66	− 1 10.7	0.886	1.868	7.5	19.1
10 28	0 47.49	− 1 22.7	0.930	1.878	12.9	19.5
11 7	0 43.11	− 1 11.5	0.993	1.889	17.8	19.8
11 17	0 42.05	− 0 37.4	1.073	1.901	21.8	20.1

329925 2005 NO_{33} 10 9.9 75°.59 1°.1/10.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.30	+11 40.2	1.409	2.280	16.2	21.7
9 18	1 21.96	+11 13.7	1.365	2.301	11.8	21.5
9 28	1 13.37	+10 30.9	1.344	2.323	6.9	21.3
10 8	1 3.63	+ 9 36.7	1.347	2.345	1.8	21.0
10 18	0 54.00	+ 8 38.4	1.378	2.366	3.9	21.2
10 28	0 45.72	+ 7 44.1	1.435	2.388	8.7	21.6
11 7	0 39.72	+ 7 0.8	1.516	2.409	12.9	21.9
11 17	0 36.44	+ 6 32.9	1.619	2.430	16.4	22.2

273542 2007 BL_{47} 10 9.9 263°.64 2°.2/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.06	+ 3 20.2	1.639	2.525	13.6	21.2
9 18	1 20.49	+ 2 34.4	1.562	2.510	9.7	20.9
9 28	1 12.73	+ 1 40.0	1.510	2.495	5.4	20.6
10 8	1 3.57	+ 0 43.1	1.483	2.479	2.2	20.4
10 18	0 54.09	− 0 9.3	1.484	2.464	5.4	20.6
10 28	0 45.47	− 0 49.8	1.512	2.448	9.9	20.8
11 7	0 38.73	− 1 13.6	1.563	2.432	14.1	21.0
11 17	0 34.52	− 1 18.0	1.635	2.415	17.6	21.2

424627 2008 JH_{40} 10 9.9 88°.70 5°.1/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 27.83	− 4 1.7	1.492	2.387	14.1	20.8
9 18	1 21.56	− 4 56.8	1.448	2.398	10.2	20.6
9 28	1 13.15	− 5 51.1	1.428	2.408	6.5	20.4
10 8	1 3.61	− 6 36.5	1.433	2.418	5.2	20.3
10 18	0 54.10	− 7 6.4	1.465	2.428	7.7	20.5
10 28	0 45.82	− 7 15.9	1.522	2.438	11.5	20.8
11 7	0 39.67	− 7 3.8	1.601	2.448	15.0	21.0
11 17	0 36.11	− 6 31.5	1.700	2.457	17.9	21.2

259698 2003 YJ_{23} 10 9.9 296°.66 1°.9/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.80	+ 5 29.2	1.387	2.277	15.3	20.8
9 18	1 20.93	+ 4 39.5	1.292	2.242	11.1	20.5
9 28	1 13.31	+ 3 34.8	1.219	2.206	6.2	20.1
10 8	1 3.71	+ 2 21.2	1.171	2.169	1.9	19.8
10 18	0 53.32	+ 1 7.5	1.149	2.132	5.9	19.9
10 28	0 43.66	+ 0 4.4	1.152	2.095	11.6	20.1
11 7	0 36.10	− 0 39.6	1.178	2.058	16.8	20.3
11 17	0 31.59	− 0 59.5	1.222	2.021	21.3	20.5

117858 2005 KQ_9 10 9.9 108°.39 8°.5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 25.38	−17 5.8	1.947	2.826	12.0	20.1
9 18	1 19.48	−18 22.1	1.911	2.833	9.9	20.0
9 28	1 11.88	−19 26.3	1.900	2.839	8.6	20.0
10 8	1 3.40	−20 11.0	1.915	2.846	8.9	20.0
10 18	0 54.96	−20 31.2	1.955	2.852	10.5	20.1
10 28	0 47.49	−20 24.9	2.019	2.859	12.7	20.3
11 7	0 41.72	−19 53.3	2.104	2.865	14.9	20.4
11 17	0 38.08	−18 59.7	2.207	2.871	16.7	20.6

354288 2002 RT_{273} 10 9.9 327°.49 2°.0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.50	+12 48.9	1.693	2.555	14.4	21.4
9 18	1 20.03	+12 50.5	1.621	2.550	10.8	21.2
9 28	1 12.43	+12 37.4	1.571	2.546	6.6	20.9
10 8	1 3.52	+12 11.9	1.546	2.541	2.6	20.7
10 18	0 54.36	+11 38.1	1.549	2.537	3.7	20.7
10 28	0 46.09	+11 2.0	1.579	2.533	7.9	21.0
11 7	0 39.69	+10 30.1	1.634	2.530	12.0	21.2
11 17	0 35.76	+10 7.4	1.711	2.527	15.5	21.4

423960 2006 US_{102} 10 9.9 166°.97 4°.2/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 29.66	− 3 22.7	1.796	2.679	12.7	21.0
9 18	1 22.67	− 4 6.7	1.740	2.684	9.1	20.8
9 28	1 13.74	− 4 50.9	1.708	2.688	5.7	20.6
10 8	1 3.72	− 5 28.9	1.705	2.691	4.3	20.5
10 18	0 53.64	− 5 55.0	1.729	2.694	6.6	20.6
10 28	0 44.59	− 6 4.7	1.781	2.696	10.2	20.9
11 7	0 37.42	− 5 56.4	1.857	2.697	13.5	21.1
11 17	0 32.64	− 5 30.6	1.954	2.698	16.3	21.3

204777 2006 KV_{43} 10 9.9 71°.28 2°.2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.75	+ 2 47.7	1.662	2.549	13.4	20.4
9 18	1 19.88	+ 2 4.5	1.618	2.566	9.4	20.2
9 28	1 12.15	+ 1 15.6	1.598	2.583	5.2	20.0
10 8	1 3.45	+ 0 27.0	1.605	2.601	2.2	19.9
10 18	0 54.82	− 0 15.0	1.639	2.618	5.1	20.1
10 28	0 47.28	− 0 44.8	1.700	2.636	9.1	20.4
11 7	0 41.60	− 0 59.1	1.786	2.653	12.6	20.6
11 17	0 38.25	− 0 56.8	1.892	2.670	15.6	20.9

229480 2005 UU_{318} 10 9.9 164°.08 0°.7/10.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.62	+10 55.9	1.958	2.817	12.9	21.5
9 18	1 20.47	+10 26.1	1.891	2.822	9.4	21.3
9 28	1 12.51	+ 9 43.7	1.848	2.826	5.4	21.0
10 8	1 3.53	+ 8 52.3	1.832	2.830	1.3	20.8
10 18	0 54.43	+ 7 57.2	1.846	2.834	3.3	20.9
10 28	0 46.20	+ 7 4.7	1.888	2.836	7.4	21.2
11 7	0 39.64	+ 6 20.5	1.957	2.839	11.0	21.4
11 17	0 35.27	+ 5 48.6	2.049	2.840	14.1	21.6

325481 2009 RK_6 10 9.9 226°.30 4°.0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.26	+20 41.7	2.334	3.148	12.6	20.7
9 18	1 18.73	+20 50.1	2.252	3.145	9.9	20.5
9 28	1 11.56	+20 42.4	2.193	3.141	7.1	20.3
10 8	1 3.38	+20 19.1	2.161	3.138	4.6	20.2
10 18	0 54.99	+19 42.4	2.157	3.134	4.2	20.1
10 28	0 47.25	+18 57.0	2.181	3.130	6.4	20.3
11 7	0 40.93	+18 8.5	2.233	3.126	9.3	20.4
11 17	0 36.54	+17 22.7	2.309	3.122	12.0	20.6

203612 2002 EG_{78} 10 9.9 102°.60 0°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.25	+ 8 29.6	1.833	2.704	13.1	21.1
9 18	1 19.45	+ 7 45.7	1.780	2.719	9.3	20.9
9 28	1 11.90	+ 6 50.9	1.751	2.734	5.1	20.7
10 8	1 3.42	+ 5 50.3	1.750	2.749	0.8	20.4
10 18	0 54.95	+ 4 50.1	1.777	2.763	3.7	20.7
10 28	0 47.45	+ 3 56.7	1.833	2.778	7.8	21.0
11 7	0 41.68	+ 3 15.3	1.914	2.792	11.4	21.2
11 17	0 38.08	+ 2 49.0	2.017	2.805	14.4	21.5

291957 2006 QT_{46} 10 9.9 335°.72 3°.3/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.83	+14 13.0	1.578	2.437	15.4	20.0
9 18	1 21.21	+14 43.0	1.502	2.428	11.8	19.7
9 28	1 13.21	+14 57.9	1.449	2.420	7.6	19.5
10 8	1 3.67	+14 58.1	1.421	2.412	3.9	19.2
10 18	0 53.76	+14 46.2	1.419	2.405	4.4	19.3
10 28	0 44.76	+14 27.4	1.443	2.398	8.4	19.5
11 7	0 37.80	+14 8.1	1.492	2.392	12.6	19.7
11 17	0 33.56	+13 54.3	1.562	2.387	16.2	19.9

470997 2009 SK_{139} 10 9.9 46°.50 1°.1/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.52	+ 8 33.2	1.173	2.069	17.0	20.7
9 18	1 18.83	+ 7 20.0	1.134	2.086	12.1	20.5
9 28	1 11.73	+ 5 50.8	1.117	2.104	6.5	20.3
10 8	1 3.40	+ 4 15.4	1.124	2.122	1.3	20.0
10 18	0 55.16	+ 2 44.9	1.155	2.141	5.3	20.3
10 28	0 48.34	+ 1 29.9	1.212	2.160	10.5	20.7
11 7	0 43.88	+ 0 37.4	1.291	2.180	15.0	21.0
11 17	0 42.21	+ 0 9.7	1.389	2.200	18.6	21.3

25929 2001 DY_{52} 10 9.9 71°.80 2°.9/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 25.12	+16 16.3	2.179	3.016	12.6	18.9
9 18	1 19.35	+16 26.5	2.107	3.019	9.6	18.7
9 28	1 11.89	+16 22.8	2.059	3.022	6.3	18.6
10 8	1 3.44	+16 6.3	2.037	3.025	3.4	18.4
10 18	0 54.82	+15 40.0	2.044	3.028	3.6	18.4
10 28	0 46.94	+15 8.1	2.080	3.032	6.5	18.6
11 7	0 40.57	+14 36.1	2.142	3.035	9.7	18.8
11 17	0 36.21	+14 8.7	2.229	3.038	12.5	19.0

97338 1999 YM_{12} 10 9.9 280°.34 2°.4/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.29	+16 6.7	2.269	3.109	12.0	19.4
9 18	1 17.33	+15 55.3	2.186	3.101	9.2	19.2
9 28	1 10.79	+15 29.6	2.126	3.092	5.9	19.0
10 8	1 3.27	+14 51.4	2.093	3.084	3.0	18.8
10 18	0 55.54	+14 4.1	2.089	3.075	3.2	18.8
10 28	0 48.45	+13 13.0	2.114	3.067	6.3	18.9
11 7	0 42.71	+12 23.7	2.165	3.059	9.6	19.1
11 17	0 38.85	+11 41.2	2.241	3.050	12.5	19.3

312479 2008 TX_{35} 10 9.9 259°.51 0°.7/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.70	+11 46.1	4.436	5.279	6.5	21.3
9 18	1 11.99	+11 27.6	4.353	5.275	4.8	21.2
9 28	1 7.57	+11 3.2	4.296	5.270	2.9	21.1
10 8	1 2.74	+10 34.5	4.269	5.265	1.0	20.9
10 18	0 57.84	+10 3.4	4.273	5.261	1.6	21.0
10 28	0 53.23	+ 9 32.2	4.307	5.256	3.5	21.1
11 7	0 49.24	+ 9 3.2	4.370	5.251	5.4	21.2
11 17	0 46.15	+ 8 38.4	4.460	5.247	7.1	21.4

359582 2010 UX_{20} 10 9.9 27°.04 2°.3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.57	+ 0 34.0	1.890	2.772	12.2	20.5
9 18	1 20.44	+ 0 22.0	1.830	2.775	8.7	20.3
9 28	1 12.50	+ 0 7.1	1.795	2.779	4.9	20.1
10 8	1 3.54	− 0 6.2	1.787	2.782	2.3	19.9
10 18	0 54.51	− 0 13.9	1.807	2.786	4.8	20.1
10 28	0 46.37	− 0 12.3	1.855	2.790	8.5	20.4
11 7	0 39.93	+ 0 0.9	1.929	2.794	12.0	20.6
11 17	0 35.68	+ 0 26.6	2.024	2.798	14.9	20.8

447766 2007 LE_{14} 10 9.9 310°.22 9°.2/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.63	−20 12.3	2.025	2.898	11.9	20.3
9 18	1 19.10	−21 18.1	1.971	2.882	10.2	20.1
9 28	1 11.79	−22 11.0	1.940	2.866	9.3	20.0
10 8	1 3.43	−22 43.4	1.934	2.851	9.7	20.0
10 18	0 54.95	−22 50.2	1.952	2.836	11.2	20.1
10 28	0 47.30	−22 29.1	1.994	2.821	13.3	20.2
11 7	0 41.28	−21 41.5	2.056	2.806	15.5	20.4
11 17	0 37.40	−20 30.5	2.136	2.791	17.4	20.5

449753 2014 OO_{32} 10 9.9 99°.11 5°.5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.78	− 8 57.0	2.188	3.076	10.5	21.2
9 18	1 17.48	−10 4.5	2.145	3.086	7.9	21.1
9 28	1 10.75	−11 7.7	2.128	3.095	5.9	21.0
10 8	1 3.26	−12 0.3	2.139	3.104	5.7	21.0
10 18	0 55.77	−12 37.2	2.177	3.114	7.5	21.1
10 28	0 49.07	−12 55.1	2.241	3.123	9.9	21.3
11 7	0 43.79	−12 53.1	2.329	3.132	12.4	21.5
11 17	0 40.33	−12 32.4	2.437	3.140	14.4	21.6

74019 1998 GY 10 9.9 214°.81 3°.0/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 29.01	+16 20.2	1.844	2.683	14.4	20.6
9 18	1 22.51	+16 16.3	1.762	2.676	11.0	20.4
9 28	1 13.84	+15 54.9	1.702	2.668	7.2	20.1
10 8	1 3.79	+15 17.6	1.669	2.659	3.6	19.9
10 18	0 53.42	+14 28.2	1.663	2.649	4.0	19.9
10 28	0 43.89	+13 33.0	1.687	2.639	7.7	20.1
11 7	0 36.20	+12 39.7	1.737	2.628	11.6	20.3
11 17	0 31.01	+11 54.5	1.809	2.616	15.1	20.5

219889 2002 EJ_{66} 10 9.9 146°.21 2°.3/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.22	+14 39.2	2.276	3.116	12.0	20.4
9 18	1 19.36	+14 43.7	2.202	3.119	9.0	20.2
9 28	1 11.89	+14 35.7	2.154	3.121	5.8	20.0
10 8	1 3.47	+14 16.8	2.132	3.123	2.8	19.8
10 18	0 54.90	+13 49.9	2.139	3.126	3.2	19.8
10 28	0 47.03	+13 19.4	2.176	3.128	6.3	20.0
11 7	0 40.60	+12 50.0	2.240	3.130	9.5	20.3
11 17	0 36.10	+12 25.9	2.328	3.131	12.2	20.4

316538 2010 WG_{67} 10 9.9 277°.32 2°.3/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.64	− 4 57.0	4.288	5.167	6.0	20.3
9 18	1 12.65	− 5 24.6	4.220	5.161	4.3	20.2
9 28	1 7.94	− 5 51.5	4.179	5.155	2.8	20.1
10 8	1 2.82	− 6 15.4	4.169	5.149	2.4	20.0
10 18	0 57.65	− 6 33.9	4.188	5.143	3.5	20.1
10 28	0 52.79	− 6 45.4	4.236	5.137	5.1	20.2
11 7	0 48.58	− 6 48.4	4.311	5.131	6.8	20.3
11 17	0 45.29	− 6 42.5	4.410	5.125	8.2	20.4

177254 2003 WM_{18} 10 9.9 255°.55 4°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.45	+18 24.0	1.476	2.321	17.0	19.9
9 18	1 22.53	+18 40.9	1.403	2.317	13.3	19.6
9 28	1 14.02	+18 36.2	1.351	2.313	9.1	19.4
10 8	1 3.85	+18 10.2	1.323	2.309	5.4	19.2
10 18	0 53.32	+17 26.3	1.321	2.304	5.2	19.2
10 28	0 43.86	+16 32.0	1.345	2.300	8.9	19.4
11 7	0 36.65	+15 36.7	1.393	2.296	13.2	19.6
11 17	0 32.42	+14 48.7	1.463	2.291	17.0	19.8

436140 2009 UU_{57} 10 9.9 208°.22 2°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.30	+21 28.7	4.644	5.438	7.1	20.9
9 18	1 11.71	+21 5.8	4.556	5.437	5.6	20.8
9 28	1 7.42	+20 33.7	4.493	5.435	4.0	20.7
10 8	1 2.75	+19 53.5	4.459	5.434	2.6	20.6
10 18	0 58.01	+19 7.0	4.455	5.432	2.3	20.6
10 28	0 53.58	+18 16.6	4.481	5.430	3.4	20.7
11 7	0 49.77	+17 25.2	4.537	5.428	5.0	20.8
11 17	0 46.85	+16 35.4	4.620	5.427	6.6	20.9

458417 2011 AT_{10} 10 9.9 4°.92 5°.0/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.42	− 6 15.0	2.042	2.935	10.9	20.8
9 18	1 16.67	− 7 20.4	1.989	2.935	8.0	20.6
9 28	1 10.38	− 8 24.1	1.961	2.935	5.6	20.5
10 8	1 3.23	− 9 19.5	1.960	2.936	5.2	20.4
10 18	0 56.01	−10 0.8	1.987	2.937	7.2	20.6
10 28	0 49.55	−10 23.8	2.040	2.938	10.0	20.7
11 7	0 44.55	−10 27.0	2.116	2.939	12.7	20.9
11 17	0 41.44	−10 10.8	2.213	2.940	15.1	21.1

305763 2009 DW_{30} 10 9.9 79°.34 1°.4/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.65	+11 49.1	1.822	2.683	13.6	21.2
9 18	1 19.92	+11 39.9	1.757	2.687	10.0	21.0
9 28	1 12.29	+11 17.4	1.715	2.692	6.0	20.8
10 8	1 3.55	+10 44.6	1.700	2.697	2.0	20.5
10 18	0 54.68	+10 6.0	1.713	2.701	3.4	20.7
10 28	0 46.71	+ 9 27.4	1.754	2.706	7.5	20.9
11 7	0 40.50	+ 8 54.6	1.820	2.710	11.2	21.2
11 17	0 36.57	+ 8 31.9	1.909	2.715	14.4	21.4

132478 2002 JU_{17} 10 9.9 128°.76 0°.4/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.30	+10 9.7	1.880	2.745	13.1	20.7
9 18	1 19.56	+ 9 37.5	1.818	2.753	9.5	20.5
9 28	1 12.04	+ 8 53.0	1.780	2.760	5.4	20.3
10 8	1 3.51	+ 8 0.4	1.769	2.768	1.1	20.0
10 18	0 54.90	+ 7 5.3	1.787	2.775	3.4	20.2
10 28	0 47.19	+ 6 14.0	1.833	2.781	7.5	20.5
11 7	0 41.17	+ 5 32.1	1.905	2.788	11.2	20.7
11 17	0 37.34	+ 5 3.3	1.999	2.794	14.3	20.9

215123 1999 RS_{41} 10 9.9 89°.16 9°.5/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.93	− 2 56.2	0.960	1.880	17.6	19.4
9 18	1 19.53	− 6 59.1	0.931	1.891	12.8	19.2
9 28	1 12.30	−11 3.5	0.925	1.902	9.7	19.1
10 8	1 3.55	−14 43.2	0.945	1.913	10.6	19.2
10 18	0 54.87	−17 36.7	0.989	1.923	14.4	19.4
10 28	0 47.84	−19 33.0	1.054	1.934	18.6	19.7
11 7	0 43.51	−20 33.1	1.136	1.944	22.3	20.0
11 17	0 42.36	−20 44.4	1.232	1.954	25.1	20.3

144553 2004 FB_{6} 10 9.9 327°.74 2°.8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.15	+ 3 58.0	1.705	2.597	12.8	19.8
9 18	1 16.08	+ 2 22.9	1.640	2.591	9.0	19.5
9 28	1 10.19	+ 0 37.2	1.600	2.586	5.0	19.3
10 8	1 3.22	− 1 10.5	1.587	2.581	2.8	19.2
10 18	0 56.10	− 2 50.8	1.601	2.576	5.9	19.3
10 28	0 49.81	− 4 14.8	1.643	2.571	9.9	19.6
11 7	0 45.17	− 5 16.7	1.709	2.567	13.6	19.8
11 17	0 42.69	− 5 54.2	1.795	2.563	16.7	20.0

5743 Kato 10 9.9 304°.98 1°.9/11.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.63	+12 9.7	1.278	2.155	17.1	16.5
9 18	1 21.47	+12 5.4	1.206	2.144	12.8	16.2
9 28	1 13.55	+11 42.5	1.154	2.133	7.8	15.9
10 8	1 3.80	+11 4.0	1.126	2.122	2.7	15.6
10 18	0 53.61	+10 15.7	1.123	2.112	4.4	15.7
10 28	0 44.53	+ 9 26.5	1.145	2.102	9.9	15.9
11 7	0 37.85	+ 8 45.2	1.189	2.092	14.9	16.2
11 17	0 34.33	+ 8 18.5	1.253	2.083	19.2	16.5

292843 2006 UC_{299} 10 9.9 93°.80 0°.5/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.28	+10 48.8	1.887	2.754	13.0	20.4
9 18	1 18.16	+10 12.1	1.822	2.757	9.4	20.2
9 28	1 11.28	+ 9 22.4	1.781	2.761	5.4	20.0
10 8	1 3.40	+ 8 23.8	1.767	2.765	1.2	19.7
10 18	0 55.41	+ 7 22.1	1.780	2.768	3.3	19.9
10 28	0 48.26	+ 6 24.1	1.822	2.772	7.4	20.2
11 7	0 42.74	+ 5 35.6	1.890	2.776	11.1	20.4
11 17	0 39.34	+ 5 0.6	1.980	2.779	14.3	20.6

140083 2001 SR_{120} 10 9.9 161°.01 0°.6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.14	+11 4.9	2.055	2.917	12.2	20.3
9 18	1 17.97	+10 29.2	1.986	2.918	8.9	20.1
9 28	1 11.16	+ 9 41.0	1.941	2.920	5.2	19.9
10 8	1 3.40	+ 8 44.2	1.924	2.921	1.2	19.6
10 18	0 55.52	+ 7 44.0	1.935	2.923	3.1	19.8
10 28	0 48.41	+ 6 46.7	1.975	2.924	7.0	20.0
11 7	0 42.80	+ 5 57.7	2.041	2.925	10.5	20.2
11 17	0 39.17	+ 5 21.1	2.130	2.926	13.5	20.5

75207 1999 VR_{188} 10 9.9 148°.46 4°.7/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.22	− 5 44.7	2.015	2.901	11.4	19.2
9 18	1 20.07	− 6 37.5	1.964	2.907	8.3	19.1
9 28	1 12.27	− 7 28.5	1.938	2.913	5.6	18.9
10 8	1 3.57	− 8 11.4	1.939	2.918	4.8	18.9
10 18	0 54.85	− 8 41.0	1.969	2.923	6.8	19.0
10 28	0 47.01	− 8 53.5	2.026	2.928	9.8	19.2
11 7	0 40.78	− 8 47.6	2.107	2.932	12.7	19.4
11 17	0 36.60	− 8 24.0	2.209	2.936	15.1	19.6

396910 2005 BV_{13} 10 9.9 251°.33 4°.0/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.59	− 1 44.2	1.933	2.823	11.6	21.2
9 18	1 18.42	− 2 56.3	1.862	2.810	8.3	21.0
9 28	1 11.48	− 4 12.2	1.817	2.798	5.2	20.8
10 8	1 3.46	− 5 24.7	1.799	2.785	4.1	20.7
10 18	0 55.23	− 6 26.8	1.809	2.772	6.5	20.8
10 28	0 47.75	− 7 12.2	1.846	2.759	10.0	21.0
11 7	0 41.82	− 7 37.5	1.907	2.745	13.3	21.2
11 17	0 37.98	− 7 41.7	1.989	2.731	16.1	21.3

405110 2002 CL_{252} 10 9.9 176°.87 4°.7/16.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.21	+26 15.3	2.818	3.590	11.7	21.8
9 18	1 18.51	+26 17.8	2.734	3.592	9.6	21.7
9 28	1 11.40	+26 3.2	2.673	3.593	7.3	21.5
10 8	1 3.45	+25 31.9	2.638	3.594	5.4	21.4
10 18	0 55.35	+24 45.7	2.632	3.595	4.8	21.4
10 28	0 47.85	+23 48.7	2.655	3.595	6.0	21.5
11 7	0 41.59	+22 46.1	2.707	3.595	8.1	21.6
11 17	0 37.02	+21 43.6	2.784	3.594	10.3	21.8

423273 2004 VA_{88} 10 9.9 316°.09 0°.2/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.00	+ 7 28.1	1.205	2.095	17.1	21.0
9 18	1 22.49	+ 7 18.8	1.140	2.087	12.4	20.7
9 28	1 14.12	+ 6 56.0	1.095	2.080	7.0	20.4
10 8	1 3.93	+ 6 24.3	1.074	2.073	1.1	20.0
10 18	0 53.35	+ 5 50.5	1.078	2.066	4.9	20.3
10 28	0 44.02	+ 5 22.5	1.106	2.059	10.7	20.6
11 7	0 37.22	+ 5 7.2	1.156	2.053	15.7	20.8
11 17	0 33.70	+ 5 8.6	1.226	2.047	20.0	21.1

488179 2015 XN_{84} 10 9.9 288°.35 6°.9/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.14	−13 38.2	2.288	3.174	10.2	22.0
9 18	1 16.50	−15 3.5	2.224	3.155	8.2	21.8
9 28	1 10.35	−16 23.1	2.186	3.136	7.0	21.7
10 8	1 3.29	−17 29.8	2.175	3.117	7.3	21.7
10 18	0 56.04	−18 17.7	2.190	3.098	9.0	21.8
10 28	0 49.40	−18 42.8	2.230	3.079	11.3	21.9
11 7	0 44.07	−18 44.2	2.293	3.059	13.6	22.0
11 17	0 40.54	−18 22.8	2.373	3.040	15.6	22.1

266647 2008 SH_{229} 10 9.9 333°.54 1°.5/12.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.78	+15 19.4	3.926	4.757	7.6	20.4
9 18	1 12.88	+15 9.1	3.842	4.753	5.7	20.3
9 28	1 8.14	+14 51.0	3.784	4.749	3.7	20.1
10 8	1 2.92	+14 26.3	3.755	4.745	1.8	20.0
10 18	0 57.62	+13 57.0	3.755	4.741	2.0	20.0
10 28	0 52.65	+13 25.5	3.786	4.737	3.9	20.1
11 7	0 48.40	+12 54.7	3.845	4.734	5.9	20.3
11 17	0 45.18	+12 27.1	3.931	4.730	7.7	20.4

136163 2003 UY_{40} 10 9.9 39°.01 0°.9/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 27.54	+ 9 59.8	0.967	1.865	19.6	19.0
9 18	1 22.05	+ 9 48.2	0.935	1.885	14.2	18.7
9 28	1 13.67	+ 9 18.1	0.923	1.907	8.1	18.5
10 8	1 3.82	+ 8 35.8	0.932	1.930	1.8	18.2
10 18	0 54.17	+ 7 50.0	0.964	1.954	4.8	18.5
10 28	0 46.34	+ 7 10.4	1.020	1.978	10.5	18.9
11 7	0 41.39	+ 6 44.5	1.096	2.003	15.5	19.3
11 17	0 39.74	+ 6 35.9	1.192	2.029	19.5	19.6

406316 2007 JU_{27} 10 9.9 179°.73 4°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.41	− 6 40.0	2.526	3.404	9.6	20.6
9 18	1 19.27	− 7 10.3	2.466	3.405	7.1	20.4
9 28	1 11.77	− 7 38.1	2.432	3.405	4.8	20.3
10 8	1 3.52	− 7 59.1	2.427	3.405	4.1	20.3
10 18	0 55.22	− 8 9.7	2.452	3.405	5.7	20.4
10 28	0 47.60	− 8 7.3	2.505	3.405	8.3	20.5
11 7	0 41.26	− 7 50.9	2.583	3.404	10.7	20.7
11 17	0 36.64	− 7 20.8	2.684	3.404	12.9	20.9

228984 2003 UA_{375} 10 9.9 180°.09 1°.6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.65	+14 22.5	2.364	3.210	11.4	20.6
9 18	1 16.78	+13 55.9	2.290	3.211	8.5	20.4
9 28	1 10.47	+13 16.2	2.239	3.211	5.3	20.2
10 8	1 3.33	+12 26.3	2.217	3.211	2.1	20.0
10 18	0 56.06	+11 30.1	2.223	3.211	2.8	20.1
10 28	0 49.44	+10 33.1	2.258	3.211	6.0	20.3
11 7	0 44.11	+ 9 40.4	2.321	3.210	9.2	20.5
11 17	0 40.53	+ 8 56.6	2.408	3.210	11.9	20.7

46316 2001 QH_{31} 10 9.9 357°.75 6°.4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.47	− 3 33.3	0.960	1.885	17.1	17.6
9 18	1 17.27	− 4 29.3	0.914	1.878	12.5	17.3
9 28	1 11.22	− 5 26.0	0.888	1.873	8.0	17.1
10 8	1 3.47	− 6 12.1	0.882	1.871	6.5	17.0
10 18	0 55.54	− 6 37.3	0.898	1.870	9.8	17.2
10 28	0 49.03	− 6 34.8	0.935	1.871	14.5	17.4
11 7	0 45.14	− 6 3.2	0.991	1.874	19.0	17.7
11 17	0 44.44	− 5 5.3	1.063	1.880	22.7	18.0

191461 2003 SD_{266} 10 9.9 352°.91 0°.7/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.93	+ 7 48.8	2.076	2.952	11.5	20.0
9 18	1 15.67	+ 6 51.3	2.008	2.950	8.2	19.8
9 28	1 9.89	+ 5 43.2	1.965	2.949	4.5	19.6
10 8	1 3.24	+ 4 29.9	1.949	2.948	0.8	19.3
10 18	0 56.46	+ 3 17.3	1.962	2.947	3.6	19.6
10 28	0 50.39	+ 2 12.0	2.003	2.946	7.4	19.8
11 7	0 45.70	+ 1 19.2	2.071	2.946	10.8	20.0
11 17	0 42.86	+ 0 42.2	2.160	2.946	13.7	20.2

68664 2002 CN_{100} 10 9.9 65°.39 1°.5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.08	+ 5 32.5	1.542	2.429	14.2	19.5
9 18	1 19.62	+ 4 44.5	1.494	2.442	10.1	19.3
9 28	1 12.15	+ 3 46.9	1.469	2.455	5.5	19.0
10 8	1 3.60	+ 2 46.4	1.470	2.468	1.5	18.8
10 18	0 55.06	+ 1 50.1	1.498	2.482	4.8	19.1
10 28	0 47.63	+ 1 5.1	1.553	2.495	9.2	19.4
11 7	0 42.17	+ 0 36.1	1.632	2.509	13.1	19.6
11 17	0 39.14	+ 0 25.2	1.731	2.523	16.3	19.9

257567 1998 XU_{6} 10 9.9 322°.43 5°.6/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.81	− 4 27.3	1.338	2.239	14.9	20.1
9 18	1 21.33	− 5 14.8	1.278	2.230	10.9	19.9
9 28	1 13.34	− 6 2.1	1.241	2.221	7.1	19.6
10 8	1 3.83	− 6 40.4	1.228	2.213	5.7	19.5
10 18	0 54.08	− 7 2.0	1.240	2.205	8.5	19.7
10 28	0 45.49	− 7 1.4	1.276	2.198	12.7	19.9
11 7	0 39.17	− 6 36.8	1.333	2.191	16.7	20.1
11 17	0 35.74	− 5 49.8	1.409	2.185	20.1	20.3

22002 Richardregan 10 9.9 222°.76 1°.3/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.42	+12 56.6	2.072	2.925	12.5	19.2
9 18	1 18.98	+12 27.4	1.992	2.918	9.3	18.9
9 28	1 11.81	+11 44.1	1.936	2.911	5.6	18.7
10 8	1 3.57	+10 49.8	1.907	2.903	1.9	18.4
10 18	0 55.12	+ 9 49.5	1.907	2.895	3.1	18.5
10 28	0 47.39	+ 8 49.2	1.936	2.887	7.0	18.8
11 7	0 41.18	+ 7 55.2	1.992	2.878	10.6	19.0
11 17	0 37.02	+ 7 12.4	2.071	2.869	13.7	19.2

425348 2010 BY_{34} 10 9.9 356°.10 1°.6/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.04	+ 1 2.4	3.965	4.843	6.5	20.6
9 18	1 11.61	+ 0 8.6	3.898	4.842	4.5	20.5
9 28	1 7.43	− 0 47.7	3.859	4.842	2.6	20.3
10 8	1 2.84	− 1 43.3	3.850	4.842	1.6	20.3
10 18	0 58.19	− 2 35.3	3.871	4.841	3.0	20.4
10 28	0 53.87	− 3 20.8	3.923	4.841	5.0	20.5
11 7	0 50.23	− 3 57.7	4.001	4.841	6.9	20.6
11 17	0 47.53	− 4 24.4	4.104	4.841	8.5	20.8

123420 2000 WN_{105} 10 9.9 48°.38 1°.7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.67	+13 22.8	1.459	2.329	15.9	19.3
9 18	1 19.52	+12 56.9	1.406	2.340	11.7	19.1
9 28	1 12.19	+12 12.9	1.374	2.351	7.1	18.9
10 8	1 3.63	+11 15.1	1.366	2.363	2.5	18.6
10 18	0 55.02	+10 10.5	1.386	2.375	3.8	18.7
10 28	0 47.57	+ 9 7.6	1.431	2.387	8.4	19.0
11 7	0 42.19	+ 8 14.2	1.501	2.400	12.6	19.3
11 17	0 39.42	+ 7 35.7	1.592	2.412	16.2	19.6

189949 2003 UY_{4} 10 9.9 346°.75 11°.8/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.07	−21 6.4	1.607	2.499	13.4	18.3
9 18	1 14.12	−23 49.8	1.572	2.487	12.1	18.2
9 28	1 9.22	−26 16.7	1.562	2.477	12.0	18.2
10 8	1 3.16	−28 14.8	1.576	2.467	13.1	18.2
10 18	0 56.93	−29 35.5	1.611	2.458	15.1	18.3
10 28	0 51.59	−30 14.8	1.666	2.451	17.3	18.5
11 7	0 48.00	−30 14.4	1.736	2.445	19.4	18.6
11 17	0 46.68	−29 39.0	1.820	2.440	21.1	18.8

68726 2002 EZ_5 10 9.9 141.°56 1.°8/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.20	+ 2 37.1	2.605	3.480	9.5	19.7
9 18	1 16.96	+ 1 48.2	2.546	3.489	6.7	19.5
9 28	1 10.50	+ 0 55.1	2.514	3.498	3.7	19.4
10 8	1 3.37	+ 0 2.1	2.511	3.506	1.8	19.2
10 18	0 56.20	− 0 46.6	2.538	3.515	3.8	19.4
10 28	0 49.66	− 1 26.7	2.595	3.522	6.8	19.6
11 7	0 44.29	− 1 55.3	2.678	3.530	9.5	19.8
11 17	0 40.48	− 2 10.7	2.784	3.537	11.7	20.0

464211 2015 BW_{165} 10 9.9 251.°71 0.°3/10.4 16

9 8	1 19.03	+ 9 33.0	3.413	4.266	8.0	22.1
9 18	1 14.60	+ 9 11.1	3.327	4.256	5.8	21.9
9 28	1 9.17	+ 8 42.5	3.267	4.245	3.3	21.7
10 8	1 3.17	+ 8 9.4	3.236	4.235	0.7	21.5
10 18	0 57.04	+ 7 34.3	3.236	4.224	2.1	21.6
10 28	0 51.30	+ 7 0.4	3.267	4.213	4.7	21.8
11 7	0 46.40	+ 6 30.7	3.325	4.201	7.1	21.9
11 17	0 42.68	+ 6 7.5	3.409	4.190	9.2	22.1

431393 2007 FX_{21} 10 9.9 127.°82 1.°0/10.6 17

9 8	1 31.85	+ 9 4.1	1.715	2.577	14.3	21.4
9 18	1 24.50	+ 9 19.4	1.651	2.583	10.4	21.2
9 28	1 14.96	+ 9 24.4	1.612	2.590	6.1	21.0
10 8	1 4.13	+ 9 21.2	1.599	2.596	1.6	20.7
10 18	0 53.16	+ 9 13.0	1.614	2.602	3.6	20.9
10 28	0 43.25	+ 9 4.6	1.658	2.608	8.1	21.1
11 7	0 35.36	+ 9 0.6	1.728	2.613	12.0	21.4
11 17	0 30.09	+ 9 4.5	1.821	2.619	15.4	21.6

437761 2014 HG_{170} 10 9.9 254.°89 1.°6/ 6.5 18

9 8	1 15.08	− 1 1.0	4.530	5.408	5.7	21.6
9 18	1 11.58	− 1 39.4	4.458	5.402	4.0	21.5
9 28	1 7.41	− 2 18.9	4.414	5.396	2.4	21.3
10 8	1 2.87	− 2 57.2	4.400	5.389	1.7	21.3
10 18	0 58.27	− 3 31.9	4.417	5.383	2.8	21.4
10 28	0 53.95	− 4 0.8	4.463	5.377	4.6	21.5
11 7	0 50.22	− 4 22.4	4.536	5.370	6.2	21.6
11 17	0 47.33	− 4 35.6	4.634	5.364	7.7	21.7

86575 2000 EF_{43} 10 9.9 263.°97 0.°4/ 9.7 18

9 8	1 25.73	+ 8 24.8	1.620	2.496	14.2	20.2
9 18	1 20.38	+ 7 46.4	1.541	2.482	10.3	20.0
9 28	1 12.80	+ 6 54.3	1.485	2.468	5.8	19.7
10 8	1 3.80	+ 5 53.3	1.455	2.454	0.9	19.3
10 18	0 54.45	+ 4 50.2	1.452	2.439	4.2	19.5
10 28	0 45.97	+ 3 53.2	1.477	2.424	9.1	19.8
11 7	0 39.38	+ 3 8.9	1.526	2.409	13.5	20.0
11 17	0 35.34	+ 2 42.0	1.596	2.394	17.2	20.2

268926 2007 CA_{56} 10 9.9 297.°47 0.°3/10.2 18

9 8	1 24.52	+ 9 56.8	1.422	2.303	15.5	20.8
9 18	1 19.82	+ 9 24.6	1.342	2.284	11.4	20.5
9 28	1 12.63	+ 8 35.4	1.283	2.266	6.6	20.2
10 8	1 3.79	+ 7 33.8	1.248	2.247	1.2	19.8
10 18	0 54.48	+ 6 27.1	1.240	2.228	4.4	20.0
10 28	0 46.09	+ 5 24.5	1.258	2.210	9.7	20.3
11 7	0 39.77	+ 4 34.6	1.298	2.192	14.6	20.5
11 17	0 36.29	+ 4 2.9	1.359	2.174	18.7	20.7

51581 2001 HL_9 10 9.9 87.°43 4.°5/ 6.7 18

9 8	1 31.28	− 3 6.2	1.510	2.398	14.3	18.8
9 18	1 23.89	− 3 51.7	1.477	2.423	10.2	18.6
9 28	1 14.45	− 4 36.5	1.467	2.448	6.3	18.5
10 8	1 4.03	− 5 13.2	1.484	2.472	4.6	18.4
10 18	0 53.83	− 5 36.1	1.529	2.496	7.1	18.6
10 28	0 45.02	− 5 41.0	1.599	2.519	10.8	18.9
11 7	0 38.42	− 5 27.2	1.694	2.542	14.2	19.2
11 17	0 34.44	− 4 55.7	1.808	2.564	17.0	19.4

358825 2008 EM_{153} 10 9.9 130.°42 1.°0/ 8.7 18

9 8	1 22.99	+ 5 28.3	2.437	3.307	10.3	22.1
9 18	1 17.60	+ 4 45.1	2.379	3.319	7.3	21.9
9 28	1 10.89	+ 3 55.4	2.346	3.329	3.9	21.7
10 8	1 3.46	+ 3 3.5	2.342	3.340	1.1	21.5
10 18	0 56.00	+ 2 13.8	2.368	3.350	3.4	21.7
10 28	0 49.22	+ 1 31.0	2.423	3.360	6.7	22.0
11 7	0 43.71	+ 0 58.5	2.505	3.369	9.6	22.2
11 17	0 39.88	+ 0 38.6	2.610	3.378	12.0	22.4

317767 2003 SG_{104} 10 9.9 38.°44 0.°1/10.0 18

9 8	1 23.75	+ 7 55.5	2.199	3.066	11.4	20.1
9 18	1 18.34	+ 7 42.1	2.132	3.068	8.2	19.9
9 28	1 11.39	+ 7 20.4	2.090	3.071	4.6	19.7
10 8	1 3.55	+ 6 53.5	2.075	3.073	0.8	19.5
10 18	0 55.60	+ 6 25.2	2.089	3.076	3.1	19.6
10 28	0 48.35	+ 5 59.9	2.132	3.079	6.7	19.9
11 7	0 42.52	+ 5 41.5	2.201	3.081	10.0	20.1
11 17	0 38.56	+ 5 32.8	2.294	3.084	12.8	20.3

389360 2009 UD_{155} 10 9.9 302.°19 0.°5/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 17.17	+ 4 35.6	4.399	5.263	6.2	21.0
9 18	1 13.06	+ 4 22.6	4.325	5.262	4.4	20.9
9 28	1 8.24	+ 4 6.7	4.278	5.261	2.4	20.7
10 8	1 3.02	+ 3 49.7	4.261	5.260	0.5	20.6
10 18	0 57.74	+ 3 33.4	4.275	5.258	2.0	20.7
10 28	0 52.77	+ 3 19.7	4.320	5.257	4.0	20.8
11 7	0 48.43	+ 3 10.3	4.393	5.256	5.8	21.0
11 17	0 44.99	+ 3 6.6	4.491	5.255	7.4	21.1

92481 2000 LC_{11} 10 9.9 60.°62 6.°4/ 4.3 16

9 8	1 24.34	− 4 22.3	1.351	2.256	14.6	18.6
9 18	1 19.16	− 6 13.9	1.324	2.277	10.5	18.5
9 28	1 11.90	− 8 3.2	1.320	2.298	7.2	18.3
10 8	1 3.62	− 9 38.7	1.341	2.319	6.7	18.4
10 18	0 55.48	−10 50.9	1.388	2.341	9.3	18.6
10 28	0 48.65	−11 34.1	1.459	2.362	12.8	18.8
11 7	0 43.94	−11 47.5	1.551	2.384	16.1	19.1
11 17	0 41.75	−11 33.7	1.661	2.405	18.8	19.4

176149 2001 FP_{157} 10 9.9 71.°17 4.°4/ 6.9 17

9 8	1 31.42	− 1 49.1	1.354	2.246	15.4	19.7
9 18	1 24.03	− 2 42.4	1.329	2.278	10.9	19.5
9 28	1 14.50	− 3 35.9	1.328	2.310	6.5	19.3
10 8	1 4.03	− 4 21.4	1.352	2.342	4.4	19.3
10 18	0 53.91	− 4 52.2	1.403	2.373	7.2	19.5
10 28	0 45.36	− 5 3.9	1.480	2.404	11.1	19.8
11 7	0 39.19	− 4 55.5	1.580	2.435	14.7	20.1
11 17	0 35.76	− 4 28.3	1.699	2.465	17.6	20.4

407129 2009 SL_{350} 10 9.9 305.°75 3.°3/ 7.3 17

9 8	1 27.70	− 3 3.2	2.069	2.949	11.4	20.5
9 18	1 21.40	− 3 11.6	1.984	2.927	8.3	20.3
9 28	1 13.24	− 3 19.5	1.925	2.905	5.0	20.1
10 8	1 3.88	− 3 22.7	1.893	2.883	3.3	19.9
10 18	0 54.21	− 3 17.5	1.890	2.861	5.5	20.0
10 28	0 45.21	− 3 0.6	1.916	2.840	9.0	20.2
11 7	0 37.75	− 2 30.4	1.967	2.818	12.4	20.4
11 17	0 32.42	− 1 46.7	2.040	2.797	15.3	20.5

185247 2006 UW_{57} 10 9.9 297.°36 1.°5/ 8.8 18

9 8	1 24.37	+ 6 19.6	1.369	2.261	15.3	20.8
9 18	1 19.69	+ 5 28.7	1.296	2.246	11.0	20.5
9 28	1 12.53	+ 4 23.6	1.245	2.231	6.1	20.2
10 8	1 3.78	+ 3 11.2	1.218	2.217	1.6	19.9
10 18	0 54.65	+ 2 0.4	1.218	2.202	5.4	20.1
10 28	0 46.50	+ 1 0.6	1.242	2.188	10.6	20.3
11 7	0 40.49	+ 0 19.4	1.290	2.174	15.3	20.6
11 17	0 37.32	+ 0 0.6	1.356	2.160	19.3	20.8

166445 2002 PR_{55} 10 9.9 70.°20 2.°6/12.5 17

9 8	1 27.85	+16 51.0	1.720	2.563	15.1	20.1
9 18	1 21.33	+16 21.5	1.682	2.599	11.3	19.9
9 28	1 13.00	+15 33.7	1.666	2.634	7.1	19.7
10 8	1 3.81	+14 31.7	1.677	2.669	3.3	19.6
10 18	0 54.81	+13 21.6	1.716	2.703	3.6	19.7
10 28	0 47.03	+12 11.3	1.783	2.737	7.2	20.0
11 7	0 41.20	+11 8.0	1.877	2.771	10.8	20.3
11 17	0 37.71	+10 16.8	1.993	2.803	13.8	20.5

25482 Tallapragada 10 9.9 134.°32 1.°1/11.1 18

9 8	1 24.56	+12 16.8	1.871	2.731	13.3	18.8
9 18	1 19.16	+11 48.4	1.804	2.734	9.8	18.6
9 28	1 11.94	+11 5.8	1.761	2.737	5.8	18.4
10 8	1 3.67	+10 12.6	1.744	2.741	1.8	18.1
10 18	0 55.26	+ 9 14.2	1.755	2.744	3.3	18.2
10 28	0 47.72	+ 8 17.3	1.795	2.747	7.4	18.5
11 7	0 41.84	+ 7 28.2	1.860	2.750	11.1	18.7
11 17	0 38.16	+ 6 51.3	1.949	2.752	14.3	19.0

100838 1998 HB_{16} 10 9.9 179.°53 3.°7/ 7.1 18

9 8	1 28.87	− 0 47.7	1.602	2.490	13.7	20.3
9 18	1 22.43	− 1 34.9	1.544	2.491	9.8	20.1
9 28	1 13.83	− 2 25.3	1.509	2.492	5.8	19.8
10 8	1 3.98	− 3 12.1	1.501	2.492	3.7	19.7
10 18	0 54.01	− 3 48.4	1.520	2.492	6.5	19.9
10 28	0 45.12	− 4 8.7	1.566	2.491	10.5	20.1
11 7	0 38.24	− 4 10.0	1.636	2.490	14.3	20.4
11 17	0 33.94	− 3 52.2	1.725	2.489	17.4	20.6

481704 2008 CJ_{28} 10 9.9 294.°66 6.°1/14.6 17

9 8	1 27.77	+22 38.1	1.885	2.696	15.2	21.5
9 18	1 21.99	+23 19.7	1.785	2.672	12.4	21.2
9 28	1 13.84	+23 42.5	1.708	2.648	9.4	21.0
10 8	1 4.04	+23 44.6	1.655	2.624	6.8	20.8
10 18	0 53.59	+23 26.1	1.629	2.599	6.3	20.7
10 28	0 43.76	+22 51.0	1.630	2.575	8.5	20.8
11 7	0 35.70	+22 6.3	1.656	2.551	11.9	20.9
11 17	0 30.22	+21 20.0	1.705	2.527	15.2	21.1

357283 2002 TM_{82} 10 9.9 336°.13 1°.6/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 24.69	+11 37.7	1.594	2.464	14.7	20.3
9 18	1 19.63	+11 35.1	1.522	2.457	10.9	20.0
9 28	1 12.38	+11 18.1	1.472	2.450	6.6	19.8
10 8	1 3.76	+10 49.4	1.447	2.444	2.2	19.5
10 18	0 54.86	+10 13.6	1.449	2.438	3.7	19.6
10 28	0 46.87	+ 9 37.1	1.478	2.433	8.3	19.9
11 7	0 40.79	+ 9 6.6	1.531	2.428	12.5	20.1
11 17	0 37.26	+ 8 47.1	1.605	2.424	16.1	20.3

228707 2002 QB_{123} 10 9.9 60°.76 2°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.60	+17 7.9	2.333	3.167	12.0	20.8
9 18	1 17.54	+16 59.6	2.258	3.168	9.1	20.6
9 28	1 10.97	+16 36.9	2.207	3.169	6.1	20.4
10 8	1 3.52	+16 1.7	2.183	3.171	3.3	20.2
10 18	0 55.91	+15 17.1	2.187	3.172	3.3	20.2
10 28	0 48.97	+14 28.1	2.220	3.173	6.1	20.4
11 7	0 43.38	+13 40.3	2.280	3.175	9.1	20.6
11 17	0 39.61	+12 58.2	2.365	3.176	11.8	20.8

472915 2015 GU_{2} 10 9.9 241°.38 1°.1/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.03	+ 7 27.3	1.516	2.399	14.6	21.5
9 18	1 19.87	+ 6 28.8	1.448	2.394	10.5	21.3
9 28	1 12.50	+ 5 16.3	1.404	2.389	5.8	21.0
10 8	1 3.79	+ 3 56.5	1.386	2.384	1.2	20.7
10 18	0 54.85	+ 2 38.0	1.394	2.379	4.8	20.9
10 28	0 46.92	+ 1 29.8	1.430	2.374	9.6	21.2
11 7	0 40.97	+ 0 38.9	1.489	2.368	14.0	21.4
11 17	0 37.61	+ 0 8.9	1.568	2.363	17.6	21.7

132714 2002 OC_{17} 10 9.9 321°.72 6°.7/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.48	−10 47.8	2.136	3.030	10.5	19.3
9 18	1 15.37	−12 39.1	2.085	3.024	8.2	19.2
9 28	1 9.78	−14 26.2	2.060	3.018	6.8	19.1
10 8	1 3.32	−16 0.8	2.062	3.012	7.1	19.1
10 18	0 56.74	−17 15.9	2.091	3.006	9.0	19.2
10 28	0 50.84	−18 6.7	2.145	3.001	11.4	19.3
11 7	0 46.27	−18 31.7	2.222	2.995	13.8	19.5
11 17	0 43.51	−18 31.9	2.316	2.990	15.8	19.7

383530 2007 DE_{45} 10 9.9 283°.35 0°.5/10.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.28	+10 23.1	3.133	3.986	8.7	22.3
9 18	1 14.90	+10 1.4	3.042	3.970	6.3	22.1
9 28	1 9.41	+ 9 31.8	2.978	3.955	3.7	21.9
10 8	1 3.27	+ 8 56.6	2.942	3.939	0.9	21.7
10 18	0 56.96	+ 8 18.7	2.936	3.924	2.2	21.8
10 28	0 51.06	+ 7 41.5	2.960	3.908	5.0	21.9
11 7	0 46.07	+ 7 8.4	3.012	3.892	7.6	22.1
11 17	0 42.38	+ 6 42.3	3.090	3.877	9.9	22.2

332765 2009 UR_{91} 10 9.9 284°.80 7°.7/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.05	−18 24.4	2.329	3.194	10.9	20.6
9 18	1 21.42	−19 3.7	2.264	3.177	9.0	20.5
9 28	1 13.14	−19 32.2	2.224	3.159	7.8	20.4
10 8	1 3.89	−19 43.8	2.211	3.141	7.9	20.4
10 18	0 54.50	−19 34.6	2.224	3.123	9.3	20.4
10 28	0 45.88	−19 2.8	2.264	3.106	11.4	20.5
11 7	0 38.75	−18 9.3	2.326	3.088	13.6	20.7
11 17	0 33.61	−16 56.9	2.409	3.070	15.5	20.8

18854 1999 RJ_{102} 10 9.9 163°.32 0°.9/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.53	+13 18.0	2.347	3.198	11.3	18.8
9 18	1 16.71	+12 26.2	2.275	3.201	8.3	18.6
9 28	1 10.48	+11 21.2	2.228	3.203	4.9	18.4
10 8	1 3.45	+10 6.7	2.209	3.205	1.5	18.1
10 18	0 56.32	+ 8 48.0	2.219	3.207	2.7	18.2
10 28	0 49.86	+ 7 31.3	2.259	3.209	6.2	18.5
11 7	0 44.69	+ 6 22.5	2.327	3.211	9.4	18.7
11 17	0 41.26	+ 5 25.7	2.419	3.212	12.2	18.9

396059 2013 CH_{51} 10 9.9 299°.97 2°.1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.84	+ 3 41.6	1.825	2.711	12.4	20.8
9 18	1 17.98	+ 2 47.5	1.759	2.706	8.8	20.6
9 28	1 11.32	+ 1 45.6	1.716	2.702	4.9	20.3
10 8	1 3.60	+ 0 41.9	1.701	2.697	2.1	20.2
10 18	0 55.71	− 0 17.1	1.713	2.693	4.9	20.3
10 28	0 48.63	− 1 4.7	1.753	2.688	8.9	20.6
11 7	0 43.17	− 1 36.4	1.817	2.684	12.5	20.8
11 17	0 39.85	− 1 50.1	1.903	2.680	15.6	21.0

271224 2003 TE_{45} 10 9.9 217°.17 2°.8/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.00	+18 32.8	2.778	3.596	10.7	21.7
9 18	1 17.69	+18 28.5	2.691	3.590	8.3	21.5
9 28	1 11.03	+18 11.1	2.629	3.584	5.7	21.3
10 8	1 3.55	+17 41.9	2.594	3.577	3.3	21.2
10 18	0 55.89	+17 3.2	2.588	3.570	3.2	21.1
10 28	0 48.75	+16 18.9	2.612	3.563	5.4	21.3
11 7	0 42.76	+15 33.8	2.665	3.555	8.1	21.4
11 17	0 38.36	+14 52.1	2.742	3.547	10.6	21.6

147745 2005 NK_{67} 10 9.9 19°.38 6°.7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 26.38	+21 29.0	1.213	2.062	19.7	19.0
9 18	1 21.41	+22 6.6	1.156	2.067	15.8	18.8
9 28	1 13.59	+22 16.7	1.118	2.073	11.5	18.5
10 8	1 4.01	+21 58.3	1.101	2.079	7.7	18.3
10 18	0 54.17	+21 15.0	1.107	2.086	7.0	18.3
10 28	0 45.67	+20 15.3	1.138	2.095	10.0	18.5
11 7	0 39.79	+19 11.1	1.191	2.104	14.0	18.8
11 17	0 37.19	+18 12.6	1.264	2.113	17.8	19.1

17219 Gianninoto 10 9.9 260°.32 5°.4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.47	− 5 27.9	1.925	2.819	11.5	17.4
9 18	1 17.69	− 7 2.1	1.861	2.808	8.5	17.2
9 28	1 11.17	− 8 37.1	1.822	2.796	6.0	17.0
10 8	1 3.60	−10 4.7	1.811	2.785	5.7	17.0
10 18	0 55.84	−11 16.9	1.827	2.773	8.0	17.1
10 28	0 48.83	−12 7.6	1.869	2.761	11.1	17.3
11 7	0 43.34	−12 34.0	1.934	2.749	14.1	17.4
11 17	0 39.92	−12 36.2	2.019	2.736	16.6	17.6

394146 2006 KO_{85} 10 9.9 149°.04 19°.3/25.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.51	−35 5.6	1.195	2.032	20.8	20.5
9 18	1 29.95	−36 57.8	1.182	2.036	19.6	20.4
9 28	1 18.12	−38 9.3	1.186	2.041	19.4	20.4
10 8	1 4.71	−38 28.2	1.208	2.045	20.0	20.5
10 18	0 51.72	−37 50.5	1.246	2.048	21.3	20.6
10 28	0 41.00	−36 20.5	1.301	2.051	23.0	20.7
11 7	0 33.67	−34 8.5	1.369	2.054	24.6	20.9
11 17	0 30.09	−31 26.1	1.449	2.056	26.1	21.1

80547 2000 AR_{85} 10 9.9 358°.38 5°.1/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.98	− 0 23.0	1.142	2.055	16.0	18.0
9 18	1 18.08	− 1 48.3	1.093	2.052	11.4	17.8
9 28	1 11.63	− 3 20.1	1.065	2.051	6.9	17.5
10 8	1 3.68	− 4 46.7	1.060	2.050	5.3	17.4
10 18	0 55.58	− 5 56.7	1.079	2.049	8.6	17.6
10 28	0 48.75	− 6 40.8	1.120	2.050	13.3	17.9
11 7	0 44.25	− 6 55.3	1.182	2.052	17.5	18.1
11 17	0 42.67	− 6 40.8	1.261	2.055	21.1	18.4

1817 Katanga 10 9.9 118°.26 14°.2/27.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.15	−33 9.2	1.774	2.596	15.6	15.3
9 18	1 25.93	−34 38.3	1.767	2.613	14.5	15.2
9 28	1 15.59	−35 38.4	1.781	2.629	14.2	15.3
10 8	1 4.29	−36 2.2	1.816	2.645	14.6	15.3
10 18	0 53.34	−35 46.9	1.872	2.660	15.7	15.4
10 28	0 43.94	−34 54.4	1.947	2.674	17.1	15.6
11 7	0 36.91	−33 30.5	2.039	2.688	18.4	15.7
11 17	0 32.64	−31 42.5	2.145	2.701	19.6	15.9

437307 2013 CG_{104} 10 9.9 327°.42 2°.1/ 6.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.25	− 2 59.3	4.071	4.951	6.3	21.5
9 18	1 12.49	− 3 33.6	4.005	4.949	4.5	21.4
9 28	1 7.98	− 4 8.1	3.967	4.946	2.8	21.3
10 8	1 3.06	− 4 40.2	3.959	4.944	2.2	21.2
10 18	0 58.08	− 5 7.5	3.980	4.942	3.4	21.3
10 28	0 53.43	− 5 27.8	4.031	4.940	5.2	21.4
11 7	0 49.45	− 5 39.5	4.109	4.938	6.9	21.6
11 17	0 46.42	− 5 42.0	4.210	4.936	8.5	21.7

519698 2013 AK_{187} 10 9.9 276°.43 0°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.00	+10 5.4	1.872	2.741	12.9	22.0
9 18	1 18.11	+ 9 24.3	1.799	2.736	9.4	21.8
9 28	1 11.42	+ 8 29.9	1.751	2.732	5.3	21.5
10 8	1 3.65	+ 7 26.9	1.729	2.727	1.0	21.2
10 18	0 55.69	+ 6 21.1	1.735	2.723	3.5	21.4
10 28	0 48.53	+ 5 19.7	1.769	2.718	7.7	21.7
11 7	0 42.97	+ 4 28.7	1.829	2.713	11.5	21.9
11 17	0 39.54	+ 3 52.4	1.911	2.709	14.7	22.1

640 Brambilla 10 9.9 106°.29 3°.3/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.51	+21 11.9	2.410	3.225	12.2	14.4
9 18	1 16.72	+20 42.7	2.337	3.232	9.6	14.2
9 28	1 10.51	+19 56.2	2.288	3.239	6.6	14.1
10 8	1 3.49	+18 54.3	2.265	3.246	4.0	13.9
10 18	0 56.39	+17 41.2	2.271	3.253	3.6	13.9
10 28	0 49.98	+16 22.6	2.307	3.260	5.9	14.0
11 7	0 44.89	+15 5.0	2.370	3.267	8.7	14.2
11 17	0 41.55	+13 54.2	2.459	3.273	11.3	14.4

381800 2009 UM_{61} 10 9.9 40°.28 2°.9/ 7.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.43	+ 3 32.7	1.088	1.994	17.2	20.3
9 18	1 20.35	+ 2 35.6	1.056	2.012	12.1	20.1
9 28	1 12.75	+ 1 29.8	1.044	2.032	6.6	19.8
10 8	1 3.85	+ 0 24.8	1.056	2.052	2.9	19.7
10 18	0 55.11	− 0 29.7	1.092	2.073	6.5	20.0
10 28	0 47.94	− 1 5.7	1.151	2.095	11.5	20.3
11 7	0 43.28	− 1 19.4	1.232	2.117	15.8	20.6
11 17	0 41.57	− 1 10.5	1.331	2.140	19.4	21.0

444928 2008 AB_{127} 10 9.9 288°.76 0°.9/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.84	+11 15.3	1.887	2.751	13.1	21.7
9 18	1 18.74	+10 51.9	1.813	2.746	9.6	21.5
9 28	1 11.79	+10 15.2	1.762	2.741	5.6	21.3
10 8	1 3.72	+ 9 28.6	1.738	2.735	1.5	21.0
10 18	0 55.44	+ 8 37.3	1.741	2.730	3.3	21.1
10 28	0 47.94	+ 7 47.4	1.773	2.725	7.4	21.4
11 7	0 42.07	+ 7 5.0	1.830	2.719	11.3	21.6
11 17	0 38.36	+ 6 34.5	1.910	2.714	14.5	21.8

449837 2014 QG_{310} 10 9.9 6°.72 6°.0/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.09	− 9 41.3	1.913	2.802	11.8	20.3
9 18	1 19.44	−10 26.0	1.862	2.802	8.9	20.1
9 28	1 12.08	−11 5.1	1.835	2.803	6.6	20.0
10 8	1 3.75	−11 32.3	1.835	2.804	6.2	19.9
10 18	0 55.39	−11 42.8	1.861	2.805	8.0	20.1
10 28	0 47.91	−11 33.6	1.914	2.806	10.8	20.2
11 7	0 42.08	−11 4.4	1.989	2.808	13.6	20.4
11 17	0 38.36	−10 16.9	2.085	2.810	16.0	20.6

472078 2013 YM_{99} 10 9.9 110°.84 3°.4/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.84	− 0 21.6	1.711	2.599	13.0	21.0
9 18	1 20.81	− 1 10.0	1.660	2.608	9.2	20.8
9 28	1 12.87	− 2 1.5	1.633	2.616	5.4	20.6
10 8	1 3.89	− 2 49.6	1.633	2.625	3.4	20.5
10 18	0 54.89	− 3 27.9	1.661	2.633	6.0	20.7
10 28	0 46.92	− 3 51.4	1.716	2.642	9.7	20.9
11 7	0 40.79	− 3 57.3	1.795	2.649	13.2	21.2
11 17	0 36.99	− 3 45.3	1.894	2.657	16.1	21.4

17120 1999 JP_{60} 10 9.9 31°.52 2°.0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.23	+ 3 18.0	1.843	2.728	12.3	17.6
9 18	1 18.20	+ 2 34.8	1.784	2.731	8.7	17.4
9 28	1 11.42	+ 1 45.0	1.750	2.735	4.8	17.2
10 8	1 3.67	+ 0 54.4	1.743	2.739	2.0	17.0
10 18	0 55.82	+ 0 8.7	1.763	2.743	4.7	17.2
10 28	0 48.83	− 0 26.4	1.811	2.747	8.5	17.5
11 7	0 43.46	− 0 47.1	1.883	2.751	12.0	17.7
11 17	0 40.19	− 0 51.5	1.977	2.756	15.0	17.9

2760 Kacha 10 9.9 248°.55 1°.9/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.04	+15 51.2	3.408	4.233	8.7	16.4
9 18	1 16.10	+15 52.4	3.318	4.225	6.7	16.3
9 28	1 10.10	+15 44.6	3.255	4.216	4.4	16.1
10 8	1 3.45	+15 28.7	3.220	4.208	2.3	16.0
10 18	0 56.65	+15 6.6	3.215	4.199	2.4	16.0
10 28	0 50.25	+14 41.0	3.240	4.190	4.5	16.1
11 7	0 44.73	+14 15.2	3.294	4.181	6.8	16.2
11 17	0 40.48	+13 52.0	3.374	4.172	8.9	16.4

332062 2005 SQ_{65} 10 9.9 324°.28 3°.0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.41	+15 46.1	1.335	2.204	17.1	19.8
9 18	1 19.15	+15 32.8	1.261	2.192	13.1	19.6
9 28	1 12.34	+14 56.7	1.208	2.181	8.4	19.3
10 8	1 3.86	+14 0.3	1.177	2.171	3.9	19.0
10 18	0 54.98	+12 49.8	1.172	2.161	4.4	19.0
10 28	0 47.13	+11 35.1	1.191	2.151	9.2	19.3
11 7	0 41.50	+10 26.6	1.234	2.142	14.0	19.5
11 17	0 38.81	+ 9 32.5	1.297	2.134	18.2	19.8

361819 2008 CE_{104} 10 9.9 56°.47 0°.2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.41	+ 7 25.9	1.876	2.748	12.7	20.8
9 18	1 19.75	+ 7 10.3	1.815	2.754	9.2	20.6
9 28	1 12.30	+ 6 45.5	1.778	2.760	5.1	20.4
10 8	1 3.82	+ 6 15.4	1.768	2.767	0.8	20.1
10 18	0 55.25	+ 5 44.4	1.786	2.773	3.5	20.3
10 28	0 47.56	+ 5 17.8	1.832	2.779	7.6	20.6
11 7	0 41.53	+ 4 59.8	1.904	2.786	11.2	20.8
11 17	0 37.68	+ 4 53.5	1.998	2.792	14.3	21.0

477843 2011 FJ_{70} 10 9.9 153°.96 1°.4/ 8.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.36	+ 4 23.0	1.863	2.737	12.7	21.9
9 18	1 21.84	+ 3 51.4	1.802	2.744	9.1	21.7
9 28	1 13.45	+ 3 12.8	1.766	2.750	5.0	21.5
10 8	1 4.02	+ 2 31.9	1.758	2.755	1.5	21.2
10 18	0 54.50	+ 1 54.2	1.778	2.761	4.3	21.4
10 28	0 45.92	+ 1 24.9	1.827	2.765	8.4	21.7
11 7	0 39.10	+ 1 7.9	1.901	2.769	12.0	21.9
11 17	0 34.56	+ 1 5.3	1.998	2.773	15.0	22.2

223996 2005 ER_{224} 10 9.9 354°.52 25°.4/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.11	−43 38.5	0.963	1.783	25.8	18.9
9 18	1 30.42	−45 15.2	0.953	1.779	25.4	18.8
9 28	1 18.59	−45 56.6	0.955	1.775	25.5	18.8
10 8	1 4.82	−45 30.6	0.969	1.773	26.1	18.9
10 18	0 51.71	−43 54.5	0.995	1.772	27.2	18.9
10 28	0 41.51	−41 15.2	1.033	1.772	28.4	19.1
11 7	0 35.38	−37 46.8	1.082	1.773	29.7	19.2
11 17	0 33.52	−33 44.6	1.142	1.775	30.9	19.4

63797 2001 RX_{25} 10 9.9 296°.22 1°.9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.73	+ 4 7.5	1.855	2.739	12.3	18.9
9 18	1 17.93	+ 3 15.6	1.785	2.732	8.7	18.6
9 28	1 11.34	+ 2 15.5	1.740	2.725	4.8	18.4
10 8	1 3.68	+ 1 12.9	1.722	2.718	1.9	18.2
10 18	0 55.83	+ 0 14.4	1.731	2.711	4.7	18.4
10 28	0 48.76	− 0 33.7	1.768	2.705	8.7	18.6
11 7	0 43.27	− 1 6.5	1.830	2.698	12.3	18.8
11 17	0 39.91	− 1 21.7	1.912	2.691	15.4	19.0

5854 1992 UP 10 9.9 131°.38 0°.8/ 9.0 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.60	+ 5 39.2	2.605	3.472	9.8	17.8
9 18	1 17.32	+ 5 5.5	2.543	3.482	6.9	17.7
9 28	1 10.79	+ 4 25.7	2.508	3.491	3.8	17.5
10 8	1 3.57	+ 3 43.5	2.501	3.500	0.9	17.3
10 18	0 56.30	+ 3 2.8	2.525	3.508	3.1	17.4
10 28	0 49.66	+ 2 27.6	2.578	3.516	6.2	17.7
11 7	0 44.20	+ 2 1.2	2.658	3.524	9.0	17.9
11 17	0 40.32	+ 1 45.6	2.762	3.532	11.4	18.0

446543 2014 MR_{55} 10 9.9 72°.47 3°.0/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.03	− 0 13.5	1.980	2.866	11.5	20.9
9 18	1 18.53	− 1 4.7	1.937	2.884	8.1	20.7
9 28	1 11.51	− 1 58.2	1.919	2.902	4.7	20.5
10 8	1 3.68	− 2 48.4	1.929	2.920	3.1	20.5
10 18	0 55.91	− 3 29.7	1.968	2.939	5.3	20.6
10 28	0 49.02	− 3 57.7	2.033	2.957	8.6	20.9
11 7	0 43.69	− 4 10.0	2.124	2.975	11.6	21.1
11 17	0 40.32	− 4 6.1	2.236	2.993	14.1	21.3

59331 1999 CC_{104} 10 9.9 313°.61 1°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.89	+11 34.4	1.817	2.682	13.4	19.3
9 18	1 18.85	+11 14.6	1.744	2.677	9.9	19.1
9 28	1 11.89	+10 41.0	1.694	2.672	5.9	18.8
10 8	1 3.78	+ 9 57.0	1.669	2.666	1.7	18.6
10 18	0 55.44	+ 9 7.5	1.673	2.662	3.4	18.7
10 28	0 47.91	+ 8 18.9	1.704	2.657	7.6	18.9
11 7	0 42.06	+ 7 37.6	1.761	2.652	11.5	19.2
11 17	0 38.45	+ 7 8.0	1.839	2.648	14.8	19.4

63294 2001 DQ_{90} 10 9.9 296°.27 6°.9/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.58	−31 23.2	4.234	5.048	7.4	19.6
9 18	1 13.50	−32 25.5	4.209	5.045	6.9	19.6
9 28	1 8.58	−33 16.4	4.208	5.043	6.9	19.5
10 8	1 3.20	−33 52.9	4.232	5.040	7.3	19.6
10 18	0 57.78	−34 12.9	4.279	5.038	8.0	19.6
10 28	0 52.75	−34 15.4	4.348	5.035	8.8	19.7
11 7	0 48.51	−34 1.0	4.436	5.033	9.6	19.8
11 17	0 45.35	−33 31.2	4.539	5.030	10.3	19.9

211025 2002 AR_{32} 10 9.9 186°.02 2°.3/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.67	+ 4 34.7	1.531	2.417	14.3	20.5
9 18	1 21.00	+ 3 25.1	1.470	2.417	10.2	20.2
9 28	1 13.14	+ 2 4.8	1.432	2.417	5.6	19.9
10 8	1 3.99	+ 0 41.7	1.420	2.416	2.3	19.7
10 18	0 54.68	− 0 35.5	1.436	2.415	5.6	20.0
10 28	0 46.43	− 1 38.2	1.478	2.413	10.2	20.2
11 7	0 40.19	− 2 20.6	1.544	2.411	14.3	20.5
11 17	0 36.54	− 2 40.7	1.631	2.409	17.7	20.7

225265 2009 RD_{47} 10 9.9 70°.34 1°.5/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 29.67	+11 1.2	1.404	2.275	16.3	19.9
9 18	1 23.23	+11 1.5	1.352	2.288	12.0	19.7
9 28	1 14.39	+10 46.8	1.322	2.301	7.1	19.4
10 8	1 4.19	+10 20.3	1.317	2.314	2.2	19.2
10 18	0 53.94	+ 9 47.5	1.338	2.327	4.0	19.3
10 28	0 44.98	+ 9 15.2	1.386	2.340	8.8	19.7
11 7	0 38.34	+ 8 50.1	1.457	2.353	13.2	19.9
11 17	0 34.55	+ 8 36.7	1.550	2.366	16.8	20.2

510686 2012 UH_{90} 10 9.9 45°.50 1°.0/ 9.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.48	+ 6 3.2	1.691	2.571	13.5	21.5
9 18	1 19.99	+ 5 31.1	1.628	2.572	9.7	21.2
9 28	1 12.52	+ 4 49.4	1.589	2.573	5.3	21.0
10 8	1 3.89	+ 4 3.2	1.576	2.574	1.1	20.7
10 18	0 55.11	+ 3 18.5	1.590	2.575	4.3	20.9
10 28	0 47.27	+ 2 41.7	1.632	2.576	8.6	21.2
11 7	0 41.25	+ 2 17.6	1.698	2.577	12.6	21.5
11 17	0 37.60	+ 2 8.9	1.786	2.579	15.8	21.7

141309 2001 YP_{120} 10 9.9 280°.86 2°.1/ 7.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.06	+ 2 13.6	2.150	3.029	11.1	20.0
9 18	1 18.83	+ 1 32.7	2.060	3.004	7.9	19.7
9 28	1 11.87	+ 0 45.9	1.995	2.979	4.5	19.5
10 8	1 3.79	− 0 2.3	1.958	2.953	2.1	19.3
10 18	0 55.39	− 0 46.5	1.950	2.927	4.7	19.4
10 28	0 47.57	− 1 21.4	1.970	2.901	8.3	19.6
11 7	0 41.12	− 1 42.9	2.016	2.875	11.8	19.7
11 17	0 36.63	− 1 48.8	2.084	2.848	14.8	19.9

71456 2000 AQ_{247} 10 9.9 154°.65 2°.1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.98	+ 0 32.9	2.419	3.297	10.1	19.3
9 18	1 18.41	+ 0 5.4	2.356	3.299	7.1	19.1
9 28	1 11.45	− 0 24.7	2.318	3.301	4.0	18.9
10 8	1 3.71	− 0 53.5	2.309	3.303	2.1	18.8
10 18	0 55.88	− 1 17.2	2.329	3.304	4.2	18.9
10 28	0 48.72	− 1 32.3	2.378	3.306	7.3	19.1
11 7	0 42.84	− 1 36.2	2.453	3.307	10.1	19.3
11 17	0 38.67	− 1 27.9	2.552	3.309	12.6	19.5

13557 Lievetruwant 10 9.9 64°.18 7°.0/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.96	− 9 49.1	1.670	2.565	12.8	17.2
9 18	1 19.38	−11 11.7	1.642	2.584	9.7	17.1
9 28	1 12.03	−12 27.0	1.638	2.603	7.4	17.0
10 8	1 3.79	−13 26.6	1.659	2.623	7.3	17.0
10 18	0 55.67	−14 4.4	1.707	2.642	9.3	17.2
10 28	0 48.65	−14 17.0	1.779	2.661	12.0	17.4
11 7	0 43.47	−14 4.7	1.873	2.680	14.7	17.6
11 17	0 40.53	−13 30.3	1.985	2.700	17.0	17.8

188058 2001 VC_{106} 10 9.9 61°.51 3°.2/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.26	+17 32.9	1.448	2.303	16.8	19.5
9 18	1 20.08	+17 7.7	1.393	2.315	12.8	19.3
9 28	1 12.63	+16 19.5	1.359	2.327	8.3	19.1
10 8	1 3.92	+15 12.2	1.349	2.340	4.1	18.9
10 18	0 55.15	+13 52.8	1.365	2.353	4.2	18.9
10 28	0 47.57	+12 30.8	1.408	2.366	8.3	19.2
11 7	0 42.13	+11 16.1	1.475	2.379	12.5	19.5
11 17	0 39.37	+10 15.5	1.564	2.392	16.1	19.7

100060 1992 ET_4 10 9.9 186°.90 3°.1/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.27	+17 21.8	2.335	3.158	12.3	20.8
9 18	1 21.69	+17 31.6	2.255	3.157	9.5	20.6
9 28	1 13.40	+17 27.3	2.198	3.156	6.4	20.4
10 8	1 4.06	+17 9.8	2.170	3.155	3.6	20.2
10 18	0 54.51	+16 41.5	2.171	3.153	3.6	20.2
10 28	0 45.65	+16 6.7	2.201	3.151	6.4	20.4
11 7	0 38.25	+15 30.7	2.259	3.148	9.5	20.6
11 17	0 32.87	+14 58.4	2.342	3.144	12.2	20.8

382424 1998 VS_3 10 9.9 340°.80 1°.4/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.35	+ 5 29.2	1.121	2.025	17.0	20.4
9 18	1 19.35	+ 5 6.6	1.057	2.013	12.3	20.1
9 28	1 12.55	+ 4 31.5	1.014	2.002	6.8	19.7
10 8	1 3.95	+ 3 50.3	0.993	1.991	1.5	19.4
10 18	0 54.95	+ 3 10.9	0.996	1.982	5.6	19.6
10 28	0 47.15	+ 2 42.3	1.021	1.975	11.3	19.9
11 7	0 41.81	+ 2 31.0	1.068	1.968	16.4	20.2
11 17	0 39.67	+ 2 40.0	1.133	1.963	20.7	20.5

75924 2000 CF_{66} 10 9.9 21°.21 9°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.21	+28 50.2	1.400	2.204	19.9	18.3
9 18	1 21.21	+29 50.0	1.342	2.212	16.8	18.2
9 28	1 13.49	+30 19.4	1.302	2.221	13.5	18.0
10 8	1 4.09	+30 15.2	1.283	2.231	10.7	17.9
10 18	0 54.41	+29 38.6	1.286	2.242	9.5	17.8
10 28	0 45.97	+28 36.7	1.314	2.254	10.7	17.9
11 7	0 39.99	+27 20.7	1.364	2.266	13.3	18.1
11 17	0 37.14	+26 2.3	1.435	2.280	16.3	18.4

490824 2010 VW_{164} 10 9.9 29°.29 18°.7/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 59.80	−30 31.7	0.705	1.572	28.2	20.2
9 18	1 45.89	−29 42.9	0.676	1.581	24.3	20.0
9 28	1 27.04	−27 57.8	0.661	1.593	20.7	19.8
10 8	1 6.23	−25 5.5	0.665	1.606	18.7	19.8
10 18	0 46.92	−21 13.3	0.690	1.620	19.4	19.9
10 28	0 31.89	−16 43.3	0.737	1.636	22.2	20.2
11 7	0 22.33	−12 2.0	0.804	1.653	25.6	20.5
11 17	0 18.17	− 7 28.2	0.887	1.671	28.6	20.8

430379 2014 GG_{48} 10 9.9 345°.48 3°.6/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.36	− 9 15.8	3.856	4.740	6.5	20.3
9 18	1 11.94	−10 21.0	3.800	4.737	4.9	20.2
9 28	1 7.74	−11 23.8	3.772	4.734	3.8	20.1
10 8	1 3.10	−12 20.8	3.773	4.732	3.8	20.1
10 18	0 58.39	−13 8.8	3.803	4.729	5.0	20.2
10 28	0 54.03	−13 45.2	3.861	4.727	6.5	20.3
11 7	0 50.37	−14 8.8	3.944	4.725	8.1	20.4
11 17	0 47.69	−14 19.2	4.049	4.723	9.5	20.5

93011 2000 RL_{87} 10 9.9 0°.04 1°.6/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.66	+ 6 1.9	1.204	2.106	16.2	19.2
9 18	1 17.83	+ 5 14.0	1.149	2.103	11.6	18.9
9 28	1 11.53	+ 4 12.7	1.114	2.102	6.4	18.6
10 8	1 3.76	+ 3 5.7	1.103	2.101	1.7	18.3
10 18	0 55.80	+ 2 2.5	1.116	2.102	5.5	18.6
10 28	0 49.01	+ 1 12.5	1.154	2.103	10.8	18.9
11 7	0 44.48	+ 0 42.1	1.213	2.106	15.4	19.2
11 17	0 42.79	+ 0 34.2	1.291	2.110	19.3	19.5

99023 2001 DV_{88} 10 10.0 316°.93 5°.0/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.04	− 5 3.8	2.184	3.077	10.3	19.3
9 18	1 15.76	− 6 51.6	2.129	3.076	7.6	19.1
9 28	1 10.04	− 8 39.8	2.102	3.075	5.4	19.0
10 8	1 3.51	−10 20.6	2.102	3.074	5.3	19.0
10 18	0 56.87	−11 46.8	2.131	3.073	7.3	19.1
10 28	0 50.91	−12 52.6	2.187	3.072	10.0	19.3
11 7	0 46.25	−13 35.5	2.267	3.071	12.6	19.5
11 17	0 43.34	−13 55.3	2.367	3.070	14.8	19.6

294190 2007 TS_{411} 10 10.0 69°.17 7°.9/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.26	+30 50.2	1.680	2.454	18.3	20.0
9 18	1 22.06	+30 56.9	1.631	2.482	15.2	19.9
9 28	1 13.66	+30 33.3	1.600	2.511	12.0	19.7
10 8	1 4.11	+29 39.3	1.593	2.539	9.2	19.6
10 18	0 54.63	+28 19.2	1.610	2.567	7.9	19.6
10 28	0 46.45	+26 41.7	1.654	2.595	8.9	19.8
11 7	0 40.47	+24 57.8	1.724	2.622	11.3	20.0
11 17	0 37.16	+23 17.7	1.817	2.649	14.0	20.2

242254 2003 SC_{269} 10 10.0 163°.07 0°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.97	+ 6 55.7	2.541	3.402	10.2	20.3
9 18	1 19.11	+ 6 47.4	2.470	3.404	7.3	20.2
9 28	1 11.86	+ 6 32.7	2.426	3.407	4.1	20.0
10 8	1 3.82	+ 6 14.1	2.410	3.408	0.7	19.7
10 18	0 55.66	+ 5 54.7	2.424	3.410	2.8	19.9
10 28	0 48.13	+ 5 38.1	2.468	3.412	6.1	20.1
11 7	0 41.85	+ 5 27.3	2.539	3.413	9.1	20.3
11 17	0 37.26	+ 5 24.6	2.634	3.414	11.6	20.5

225059 2007 HJ_3 10 10.0 176°.27 2°.3/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.14	+ 3 30.1	2.348	3.228	10.2	20.3
9 18	1 15.75	+ 1 56.8	2.283	3.229	7.2	20.1
9 28	1 10.01	+ 0 16.3	2.245	3.229	4.0	19.9
10 8	1 3.52	− 1 24.9	2.236	3.229	2.3	19.8
10 18	0 56.93	− 2 59.9	2.258	3.230	4.7	19.9
10 28	0 50.97	− 4 22.4	2.309	3.230	7.8	20.1
11 7	0 46.23	− 5 28.0	2.386	3.230	10.7	20.3
11 17	0 43.14	− 6 14.5	2.485	3.230	13.2	20.5

47566 2000 AU_{150} 10 10.0 270°.36 4°.7/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.46	− 0 58.5	1.585	2.480	13.4	18.5
9 18	1 19.56	− 2 32.3	1.510	2.461	9.6	18.3
9 28	1 12.47	− 4 13.6	1.460	2.442	6.0	18.0
10 8	1 3.96	− 5 52.7	1.436	2.422	4.9	17.9
10 18	0 55.10	− 7 19.5	1.439	2.402	7.9	18.1
10 28	0 47.08	− 8 25.0	1.468	2.382	11.9	18.2
11 7	0 40.91	− 9 4.1	1.519	2.362	15.8	18.4
11 17	0 37.25	− 9 15.7	1.589	2.341	19.2	18.6

399332 1999 UC_{28} 10 10.0 30°.79 0°.2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.97	+10 48.5	1.548	2.429	14.5	20.2
9 18	1 16.06	+ 9 34.3	1.501	2.444	10.4	20.0
9 28	1 10.30	+ 8 4.5	1.477	2.460	5.8	19.8
10 8	1 3.56	+ 6 26.5	1.479	2.477	0.9	19.5
10 18	0 56.83	+ 4 49.5	1.508	2.495	3.9	19.7
10 28	0 51.11	+ 3 22.8	1.563	2.513	8.4	20.1
11 7	0 47.17	+ 2 13.3	1.644	2.532	12.3	20.3
11 17	0 45.44	+ 1 24.8	1.746	2.552	15.6	20.6

225319 1997 TV_{19} 10 10.0 346°.77 0°.4/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.61	+ 9 58.8	3.881	4.733	7.2	20.8
9 18	1 12.84	+ 9 38.5	3.803	4.731	5.2	20.7
9 28	1 8.26	+ 9 12.3	3.752	4.729	3.0	20.6
10 8	1 3.22	+ 8 42.2	3.730	4.727	0.7	20.4
10 18	0 58.10	+ 8 10.3	3.738	4.725	1.8	20.5
10 28	0 53.32	+ 7 39.3	3.776	4.724	4.0	20.6
11 7	0 49.25	+ 7 11.8	3.843	4.722	6.1	20.8
11 17	0 46.19	+ 6 49.7	3.935	4.721	8.0	20.9

85209 1992 GM_3 10 10.0 172°.05 1°.1/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.93	+12 46.8	1.904	2.759	13.3	19.8
9 18	1 20.20	+12 8.0	1.834	2.762	9.8	19.6
9 28	1 12.62	+11 14.0	1.788	2.764	5.8	19.3
10 8	1 3.97	+10 8.9	1.769	2.766	1.7	19.1
10 18	0 55.18	+ 8 58.4	1.779	2.768	3.3	19.2
10 28	0 47.25	+ 7 49.9	1.818	2.768	7.4	19.4
11 7	0 41.00	+ 6 49.9	1.883	2.769	11.2	19.7
11 17	0 36.96	+ 6 3.4	1.970	2.768	14.4	19.9

454834 2015 RM_{209} 10 10.0 321°.88 1°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.58	+ 5 26.9	1.910	2.791	12.2	21.3
9 18	1 17.79	+ 4 43.1	1.842	2.787	8.7	21.0
9 28	1 11.28	+ 3 50.6	1.798	2.782	4.8	20.8
10 8	1 3.74	+ 2 54.5	1.781	2.778	1.3	20.6
10 18	0 56.05	+ 2 0.7	1.792	2.775	4.2	20.8
10 28	0 49.12	+ 1 15.4	1.830	2.771	8.1	21.0
11 7	0 43.73	+ 0 43.2	1.894	2.767	11.7	21.2
11 17	0 40.39	+ 0 26.7	1.979	2.764	14.8	21.4