355809 2008 SK_{277} 10 12.9 266°.46 1°.4/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 27.55	+ 2 1.2	4.391	5.239	6.5	21.3
9 18	1 24.24	+ 1 26.7	4.310	5.235	4.8	21.2
9 28	1 20.15	+ 0 49.8	4.257	5.230	2.9	21.0
10 8	1 15.57	+ 0 12.7	4.233	5.225	1.5	20.9
10 18	1 10.83	− 0 22.2	4.240	5.221	2.1	21.0
10 28	1 6.28	− 0 52.7	4.277	5.216	3.9	21.1
11 7	1 2.26	− 1 16.7	4.342	5.211	5.7	21.2
11 17	0 59.04	− 1 33.0	4.433	5.207	7.3	21.4

517923 2015 TM_{168} 10 12.9 44°.83 0°.3/13.2 18

9 8	1 36.52	+10 26.0	1.873	2.718	14.0	21.2
9 18	1 31.89	+10 6.7	1.804	2.723	10.5	21.0
9 28	1 25.27	+ 9 35.6	1.758	2.728	6.6	20.8
10 8	1 17.37	+ 8 55.9	1.738	2.733	2.3	20.5
10 18	1 9.06	+ 8 12.2	1.745	2.738	2.1	20.5
10 28	1 1.35	+ 7 30.4	1.781	2.744	6.3	20.8
11 7	0 55.10	+ 6 55.9	1.843	2.750	10.2	21.1
11 17	0 50.90	+ 6 32.8	1.928	2.755	13.5	21.3

354378 2003 SR_{37} 10 12.9 351°.33 2°.5/14.8 16

9 8	1 24.50	+14 40.2	0.955	1.846	20.4	20.0
9 18	1 24.45	+14 37.6	0.888	1.828	16.0	19.7
9 28	1 21.44	+14 8.4	0.838	1.813	10.7	19.4
10 8	1 16.24	+13 15.4	0.808	1.801	5.0	19.0
10 18	1 10.13	+12 5.5	0.798	1.792	3.3	18.9
10 28	1 4.76	+10 50.9	0.809	1.785	8.9	19.2
11 7	1 1.59	+ 9 44.7	0.841	1.782	14.6	19.5
11 17	1 1.51	+ 8 57.0	0.890	1.781	19.6	19.8

175248 2005 JF_{26} 10 12.9 203°.59 1°.8/11.4 18

9 8	1 39.40	+ 6 29.2	1.829	2.680	14.0	21.1
9 18	1 34.14	+ 5 33.4	1.752	2.676	10.4	20.9
9 28	1 26.74	+ 4 26.3	1.698	2.671	6.4	20.7
10 8	1 17.89	+ 3 13.4	1.670	2.666	2.4	20.4
10 18	1 8.53	+ 2 1.8	1.672	2.659	3.6	20.5
10 28	0 59.75	+ 0 58.8	1.702	2.652	7.8	20.7
11 7	0 52.48	+ 0 10.5	1.758	2.645	11.8	21.0
11 17	0 47.41	− 0 19.6	1.836	2.636	15.2	21.2

478904 2012 WK_{23} 10 12.9 34°.50 5°.8/18.6 18

9 8	1 36.26	+25 40.8	1.654	2.446	17.8	21.0
9 18	1 32.18	+25 41.2	1.580	2.450	14.7	20.8
9 28	1 25.68	+25 15.4	1.525	2.454	11.2	20.6
10 8	1 17.56	+24 23.1	1.493	2.458	7.7	20.4
10 18	1 8.89	+23 7.4	1.485	2.462	5.9	20.3
10 28	1 0.91	+21 35.9	1.505	2.467	7.3	20.4
11 7	0 54.71	+19 59.0	1.550	2.472	10.6	20.6
11 17	0 50.98	+18 26.9	1.619	2.477	14.1	20.8

266025 2006 FX_{45} 10 12.9 243°.92 4°.1/ 8.9 17

9 8	1 40.76	− 6 41.9	2.737	3.582	10.0	20.6
9 18	1 34.50	− 7 1.5	2.652	3.568	7.7	20.4
9 28	1 26.68	− 7 18.8	2.593	3.554	5.4	20.3
10 8	1 17.84	− 7 30.2	2.563	3.539	4.1	20.2
10 18	1 8.61	− 7 32.1	2.563	3.524	5.0	20.2
10 28	0 59.76	− 7 21.9	2.593	3.508	7.4	20.3
11 7	0 51.97	− 6 58.4	2.651	3.492	9.9	20.5
11 17	0 45.75	− 6 21.8	2.732	3.476	12.1	20.6

452457 2003 SD_{432} 10 13.0 22°.41 0°.1/12.9 18

9 8	1 32.71	+10 58.4	2.087	2.931	12.8	21.4
9 18	1 28.88	+10 10.7	2.015	2.934	9.6	21.2
9 28	1 23.34	+ 9 10.5	1.966	2.937	5.9	21.0
10 8	1 16.72	+ 8 1.9	1.945	2.940	2.0	20.7
10 18	1 9.75	+ 6 50.4	1.951	2.944	2.1	20.7
10 28	1 3.28	+ 5 42.5	1.986	2.947	6.0	21.0
11 7	0 58.05	+ 4 44.0	2.049	2.951	9.5	21.2
11 17	0 54.58	+ 3 59.2	2.135	2.955	12.6	21.4

166924 2003 FB_{104} 10 13.0 177°.21 0°.1/12.9 17

9 8	1 40.86	+10 59.6	1.614	2.458	15.9	21.8
9 18	1 35.47	+10 16.8	1.542	2.460	12.0	21.5
9 28	1 27.65	+ 9 18.0	1.492	2.462	7.5	21.3
10 8	1 18.22	+ 8 7.9	1.467	2.463	2.5	21.0
10 18	1 8.26	+ 6 53.3	1.471	2.463	2.6	21.0
10 28	0 59.01	+ 5 42.8	1.502	2.463	7.5	21.3
11 7	0 51.55	+ 4 44.1	1.559	2.462	12.0	21.5
11 17	0 46.58	+ 4 2.4	1.639	2.460	15.8	21.8

3776 Vartiovuori 10 13.0 170°.45 5°.2/ 8.2 18

9 8	1 41.91	−10 20.0	2.545	3.390	10.7	16.2
9 18	1 35.31	−10 39.5	2.480	3.392	8.3	16.0
9 28	1 27.13	−10 53.8	2.440	3.393	6.2	15.9
10 8	1 17.96	−10 58.7	2.429	3.394	5.2	15.8
10 18	1 8.54	−10 51.0	2.447	3.395	6.1	15.9
10 28	0 59.65	−10 28.5	2.494	3.395	8.2	16.0
11 7	0 51.99	− 9 50.9	2.568	3.396	10.6	16.2
11 17	0 46.05	− 8 59.5	2.666	3.396	12.7	16.3

314489 2005 WW_{166} 10 13.0 334°.62 1°.4/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 35.23	+ 5 48.8	1.998	2.854	12.8	21.1
9 18	1 30.85	+ 5 15.7	1.924	2.851	9.5	20.9
9 28	1 24.62	+ 4 34.3	1.874	2.848	5.8	20.7
10 8	1 17.17	+ 3 49.0	1.850	2.846	2.1	20.5
10 18	1 9.31	+ 3 4.7	1.854	2.843	3.0	20.5
10 28	1 1.95	+ 2 27.0	1.887	2.841	6.8	20.8
11 7	0 55.90	+ 2 0.4	1.945	2.839	10.4	21.0
11 17	0 51.75	+ 1 47.8	2.027	2.837	13.6	21.2

9459 1998 FW_{113} 10 13.0 115°.39 2°.8/15.3 18

9 8	1 42.66	+16 49.1	1.652	2.473	16.6	17.6
9 18	1 36.69	+16 44.6	1.590	2.489	13.0	17.4
9 28	1 28.33	+16 21.5	1.548	2.504	8.8	17.2
10 8	1 18.42	+15 41.5	1.532	2.519	4.5	17.0
10 18	1 8.11	+14 49.2	1.542	2.533	3.1	17.0
10 28	0 58.63	+13 51.5	1.581	2.547	6.7	17.2
11 7	0 51.03	+12 56.3	1.647	2.560	10.7	17.5
11 17	0 45.95	+12 10.2	1.735	2.573	14.3	17.8

249406 2009 CT_{53} 10 13.0 237°.78 11°.3/27.7 18

9 8	1 42.44	+46 11.3	2.438	3.039	17.1	20.9
9 18	1 36.93	+47 2.6	2.336	3.027	15.8	20.7
9 28	1 28.78	+47 27.9	2.250	3.015	14.3	20.6
10 8	1 18.69	+47 21.9	2.182	3.002	12.8	20.4
10 18	1 7.73	+46 41.7	2.135	2.988	11.7	20.3
10 28	0 57.26	+45 28.3	2.112	2.974	11.3	20.3
11 7	0 48.53	+43 47.8	2.112	2.960	11.8	20.3
11 17	0 42.40	+41 49.1	2.137	2.945	13.0	20.4

203192 2001 CE_{30} 10 13.0 288°.85 2°.2/11.3 18

9 8	1 38.63	+ 3 54.7	1.702	2.563	14.4	19.9
9 18	1 33.88	+ 3 27.9	1.615	2.545	10.8	19.6
9 28	1 26.78	+ 2 53.2	1.551	2.526	6.7	19.4
10 8	1 17.98	+ 2 15.1	1.512	2.507	2.7	19.1
10 18	1 8.47	+ 1 39.5	1.501	2.489	3.9	19.1
10 28	0 59.41	+ 1 12.6	1.517	2.470	8.3	19.3
11 7	0 51.91	+ 0 59.4	1.558	2.451	12.6	19.6
11 17	0 46.74	+ 1 2.7	1.621	2.433	16.3	19.8

50613 2000 ER_{58} 10 13.0 348°.86 0°.4/12.7 18

9 8	1 38.21	+ 8 4.2	1.865	2.713	13.9	18.9
9 18	1 33.21	+ 7 49.1	1.791	2.713	10.4	18.7
9 28	1 26.14	+ 7 24.1	1.741	2.713	6.4	18.5
10 8	1 17.71	+ 6 52.7	1.716	2.712	2.1	18.2
10 18	1 8.81	+ 6 19.3	1.720	2.712	2.4	18.2
10 28	1 0.48	+ 5 49.2	1.752	2.712	6.7	18.5
11 7	0 53.63	+ 5 27.4	1.810	2.712	10.6	18.7
11 17	0 48.89	+ 5 17.3	1.891	2.712	14.0	18.9

506868 2007 XP_{12} 10 13.0 81°.88 2°.9/11.4 17

9 8	1 45.58	+ 1 48.6	1.315	2.182	17.4	20.8
9 18	1 39.23	+ 1 37.5	1.261	2.193	13.0	20.6
9 28	1 30.04	+ 1 21.2	1.229	2.204	8.0	20.3
10 8	1 19.03	+ 1 5.2	1.221	2.215	3.5	20.1
10 18	1 7.57	+ 0 55.4	1.239	2.226	4.7	20.2
10 28	0 57.18	+ 0 56.9	1.283	2.237	9.5	20.5
11 7	0 49.08	+ 1 12.9	1.352	2.248	14.0	20.8
11 17	0 43.94	+ 1 44.2	1.441	2.258	17.7	21.1

292283 2006 SC_{130} 10 13.0 68°.58 1°.4/14.3 18

9 8	1 36.52	+14 3.7	1.842	2.676	14.6	20.4
9 18	1 31.93	+13 41.6	1.774	2.684	11.2	20.2
9 28	1 25.32	+13 4.3	1.729	2.693	7.3	20.0
10 8	1 17.42	+12 14.6	1.709	2.701	3.1	19.7
10 18	1 9.12	+11 17.4	1.717	2.710	2.1	19.7
10 28	1 1.46	+10 19.2	1.752	2.718	6.1	20.0
11 7	0 55.30	+ 9 26.8	1.815	2.727	10.0	20.2
11 17	0 51.24	+ 8 45.2	1.901	2.735	13.4	20.5

479770 2014 EO_{29} 10 13.0 91°.62 2°.5/10.8 18

9 8	1 37.09	+ 3 57.8	1.733	2.596	14.1	20.9
9 18	1 32.41	+ 3 7.8	1.669	2.600	10.4	20.7
9 28	1 25.64	+ 2 9.7	1.629	2.604	6.4	20.4
10 8	1 17.53	+ 1 9.6	1.614	2.608	2.8	20.2
10 18	1 9.01	+ 0 14.0	1.627	2.612	4.2	20.3
10 28	1 1.16	− 0 30.4	1.667	2.616	8.1	20.6
11 7	0 54.86	− 0 58.8	1.733	2.620	11.9	20.8
11 17	0 50.72	− 1 9.1	1.820	2.623	15.2	21.0

340242 2006 BB_{100} 10 13.0 345°.36 5°.7/10.1 18

9 8	1 36.90	− 3 10.5	1.061	1.958	18.3	19.2
9 18	1 33.56	− 3 26.7	0.997	1.943	13.9	18.9
9 28	1 27.00	− 3 42.7	0.952	1.930	9.3	18.6
10 8	1 18.13	− 3 50.5	0.928	1.918	5.9	18.4
10 18	1 8.37	− 3 42.4	0.927	1.908	7.5	18.5
10 28	0 59.45	− 3 12.7	0.948	1.900	12.2	18.7
11 7	0 52.87	− 2 20.0	0.990	1.893	17.1	19.0
11 17	0 49.54	− 1 5.9	1.050	1.889	21.4	19.2

112795 2002 PC_{165} 10 13.0 3°.88 2°.9/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 33.19	+ 1 58.2	1.957	2.824	12.5	20.3
9 18	1 29.31	+ 1 7.8	1.891	2.824	9.2	20.1
9 28	1 23.66	+ 0 11.7	1.849	2.824	5.7	19.8
10 8	1 16.85	− 0 44.3	1.833	2.825	3.0	19.7
10 18	1 9.68	− 1 34.4	1.845	2.827	4.4	19.8
10 28	1 3.04	− 2 13.0	1.885	2.828	7.7	20.0
11 7	0 57.70	− 2 36.2	1.950	2.830	11.1	20.2
11 17	0 54.20	− 2 42.2	2.037	2.833	14.0	20.4

86612 2000 EY_{97} 10 13.0 132°.52 1°.6/12.5 18

9 8	1 58.65	+ 1 10.3	1.136	1.991	20.4	17.6
9 18	1 49.84	+ 2 5.3	1.071	1.995	15.5	17.3
9 28	1 37.08	+ 3 0.4	1.027	1.999	9.7	17.0
10 8	1 21.53	+ 3 57.2	1.007	2.003	3.4	16.7
10 18	1 5.06	+ 4 56.3	1.015	2.006	4.0	16.7
10 28	0 49.88	+ 5 58.7	1.050	2.009	10.2	17.1
11 7	0 37.78	+ 7 5.2	1.109	2.012	15.7	17.4
11 17	0 29.72	+ 8 16.6	1.190	2.015	20.3	17.7

479625 2014 DV_{34} 10 13.0 182°.73 2°.4/15.1 18

9 8	1 39.79	+15 41.2	1.889	2.710	14.8	21.8
9 18	1 34.48	+15 43.8	1.810	2.710	11.6	21.6
9 28	1 26.99	+15 31.1	1.753	2.710	7.8	21.3
10 8	1 18.02	+15 4.3	1.722	2.710	4.0	21.1
10 18	1 8.52	+14 26.5	1.719	2.710	2.7	21.0
10 28	0 59.58	+13 43.3	1.744	2.709	6.2	21.3
11 7	0 52.18	+13 1.0	1.796	2.708	10.0	21.5
11 17	0 46.99	+12 25.3	1.871	2.707	13.5	21.7

331221 2011 BT_{61} 10 13.0 63°.87 6°.4/ 8.5 16

9 8	1 40.73	− 4 26.2	1.333	2.214	16.4	20.2
9 18	1 35.37	− 5 33.8	1.296	2.232	12.4	20.0
9 28	1 27.50	− 6 40.2	1.280	2.250	8.5	19.9
10 8	1 18.13	− 7 35.9	1.288	2.269	6.4	19.8
10 18	1 8.54	− 8 12.9	1.322	2.288	8.0	20.0
10 28	1 0.04	− 8 25.8	1.380	2.307	11.5	20.2
11 7	0 53.62	− 8 13.7	1.461	2.325	15.1	20.5
11 17	0 49.85	− 7 38.6	1.561	2.344	18.1	20.8

344666 2003 SK_{113} 10 13.0 45°.84 2°.1/15.1 18

9 8	1 34.79	+17 51.1	1.652	2.482	16.2	20.6
9 18	1 30.91	+17 4.0	1.581	2.486	12.6	20.4
9 28	1 24.82	+15 54.7	1.531	2.490	8.5	20.2
10 8	1 17.28	+14 26.9	1.505	2.495	4.1	19.9
10 18	1 9.30	+12 47.2	1.506	2.499	2.5	19.9
10 28	1 2.00	+11 5.3	1.536	2.504	6.6	20.1
11 7	0 56.33	+ 9 31.0	1.591	2.508	10.8	20.4
11 17	0 52.93	+ 8 12.0	1.670	2.513	14.5	20.6

77480 2001 HU_{29} 10 13.0 166°.24 0°.9/12.1 18

9 8	1 37.97	+ 7 0.0	2.204	3.047	12.2	19.9
9 18	1 32.70	+ 6 27.6	2.131	3.051	9.1	19.7
9 28	1 25.68	+ 5 46.8	2.083	3.054	5.6	19.5
10 8	1 17.54	+ 5 1.5	2.061	3.057	1.9	19.2
10 18	1 9.05	+ 4 16.0	2.070	3.060	2.5	19.3
10 28	1 1.07	+ 3 35.7	2.107	3.062	6.2	19.5
11 7	0 54.36	+ 3 4.7	2.172	3.063	9.6	19.7
11 17	0 49.46	+ 2 46.1	2.261	3.065	12.6	19.9

7289 Kamegamori 10 13.0 67°.03 4°.1/10.5 18 R

9 8	1 43.59	− 0 18.4	1.316	2.190	17.0	16.8
9 18	1 37.63	− 0 47.2	1.270	2.204	12.7	16.6
9 28	1 28.98	− 1 19.0	1.244	2.219	8.0	16.4
10 8	1 18.66	− 1 47.1	1.243	2.235	4.3	16.2
10 18	1 8.02	− 2 4.9	1.268	2.250	5.8	16.3
10 28	0 58.47	− 2 7.0	1.319	2.265	10.0	16.6
11 7	0 51.14	− 1 51.1	1.393	2.281	14.2	16.9
11 17	0 46.63	− 1 17.5	1.487	2.296	17.7	17.2

389477 2010 EL_{87} 10 13.0 242°.93 0°.4/13.3 18

9 8	1 40.91	+ 9 33.2	1.848	2.688	14.3	20.6
9 18	1 35.36	+ 9 34.7	1.766	2.682	10.9	20.4
9 28	1 27.58	+ 9 25.7	1.708	2.676	6.9	20.1
10 8	1 18.25	+ 9 8.5	1.675	2.670	2.5	19.8
10 18	1 8.32	+ 8 46.7	1.671	2.664	2.2	19.8
10 28	0 58.93	+ 8 25.2	1.695	2.658	6.6	20.1
11 7	0 51.08	+ 8 8.8	1.746	2.652	10.7	20.3
11 17	0 45.47	+ 8 1.7	1.821	2.645	14.3	20.5

229839 2009 SB_{46} 10 13.0 112°.45 1°.9/14.7 18

9 8	1 39.54	+15 52.8	1.673	2.502	16.1	21.0
9 18	1 34.34	+15 24.9	1.609	2.515	12.4	20.8
9 28	1 26.88	+14 38.3	1.566	2.527	8.2	20.6
10 8	1 17.97	+13 36.1	1.549	2.540	3.8	20.3
10 18	1 8.67	+12 24.2	1.559	2.552	2.5	20.3
10 28	1 0.15	+11 10.5	1.597	2.563	6.6	20.6
11 7	0 53.38	+10 3.2	1.661	2.574	10.7	20.8
11 17	0 48.97	+ 9 8.5	1.749	2.585	14.3	21.1

137819 2000 AD_4 10 13.0 354°.20 6°.2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 27.84	+18 20.6	0.849	1.733	23.0	18.3
9 18	1 27.40	+19 11.4	0.790	1.721	18.7	18.0
9 28	1 23.53	+19 33.9	0.745	1.711	13.6	17.7
10 8	1 17.06	+19 25.8	0.718	1.704	8.5	17.4
10 18	1 9.51	+18 49.5	0.710	1.699	6.2	17.3
10 28	1 2.84	+17 54.5	0.722	1.698	9.8	17.5
11 7	0 58.77	+16 54.4	0.753	1.699	15.0	17.8
11 17	0 58.29	+16 2.1	0.801	1.703	20.0	18.1

94166 2001 AC_{22} 10 13.0 221°.79 5°.0/ 7.8 18

9 8	1 36.61	− 6 47.1	2.317	3.178	11.1	19.4
9 18	1 31.61	− 7 36.5	2.250	3.174	8.5	19.3
9 28	1 24.99	− 8 24.3	2.209	3.171	6.1	19.1
10 8	1 17.32	− 9 4.9	2.195	3.167	5.0	19.0
10 18	1 9.33	− 9 33.5	2.209	3.164	6.2	19.1
10 28	1 1.81	− 9 46.3	2.250	3.160	8.6	19.2
11 7	0 55.47	− 9 41.6	2.317	3.156	11.2	19.4
11 17	0 50.83	− 9 19.6	2.406	3.152	13.6	19.6

493702 2015 TD_{75} 10 13.0 248°.52 2°.3/10.8 18

9 8	1 37.55	+ 1 18.4	2.344	3.196	11.3	21.9
9 18	1 32.36	+ 0 55.9	2.264	3.189	8.4	21.7
9 28	1 25.49	+ 0 29.9	2.209	3.181	5.2	21.5
10 8	1 17.51	+ 0 4.1	2.182	3.174	2.5	21.3
10 18	1 9.13	− 0 17.4	2.184	3.166	3.6	21.3
10 28	1 1.17	− 0 30.9	2.215	3.159	6.7	21.5
11 7	0 54.37	− 0 33.6	2.273	3.151	9.8	21.7
11 17	0 49.28	− 0 23.8	2.355	3.143	12.6	21.9

79104 1981 EK_{33} 10 13.0 88°.20 2°.9/15.8 18

9 8	1 37.20	+17 51.8	1.951	2.766	14.7	20.1
9 18	1 32.46	+17 46.8	1.875	2.770	11.5	19.9
9 28	1 25.70	+17 24.8	1.822	2.774	8.0	19.7
10 8	1 17.60	+16 47.3	1.794	2.778	4.4	19.5
10 18	1 9.05	+15 57.7	1.793	2.782	3.0	19.4
10 28	1 1.08	+15 1.7	1.820	2.786	5.9	19.6
11 7	0 54.55	+14 6.3	1.875	2.790	9.5	19.8
11 17	0 50.10	+13 17.5	1.954	2.795	12.8	20.0

365008 2008 LZ_4 10 13.0 92°.79 6°.5/ 5.6 18

9 8	1 35.41	−11 38.0	2.294	3.156	11.1	20.7
9 18	1 30.65	−12 48.0	2.248	3.166	8.8	20.6
9 28	1 24.34	−13 52.5	2.227	3.175	7.0	20.5
10 8	1 17.08	−14 45.2	2.233	3.184	6.6	20.5
10 18	1 9.60	−15 20.9	2.265	3.193	7.7	20.5
10 28	1 2.67	−15 36.3	2.325	3.203	9.8	20.7
11 7	0 56.96	−15 30.7	2.407	3.212	11.9	20.9
11 17	0 52.92	−15 5.4	2.511	3.221	13.9	21.0

452757 2006 BB_{256} 10 13.0 226°.33 4°.6/ 7.2 18

9 8	1 33.56	− 5 18.2	2.499	3.362	10.3	21.6
9 18	1 29.28	− 6 30.2	2.430	3.357	7.8	21.4
9 28	1 23.53	− 7 42.4	2.387	3.351	5.6	21.3
10 8	1 16.83	− 8 49.3	2.373	3.346	4.6	21.2
10 18	1 9.82	− 9 45.3	2.387	3.340	5.9	21.3
10 28	1 3.21	−10 25.9	2.428	3.334	8.2	21.4
11 7	0 57.63	−10 48.6	2.495	3.327	10.7	21.6
11 17	0 53.55	−10 52.8	2.585	3.321	12.9	21.7

357759 2005 SJ_{108} 10 13.0 85°.87 0°.1/12.9 18

9 8	1 34.24	+11 19.1	2.059	2.900	13.0	20.5
9 18	1 30.02	+10 26.0	1.990	2.908	9.8	20.4
9 28	1 24.07	+ 9 19.8	1.945	2.915	6.1	20.1
10 8	1 17.03	+ 8 5.0	1.927	2.923	2.0	19.9
10 18	1 9.66	+ 6 47.4	1.937	2.930	2.1	19.9
10 28	1 2.84	+ 5 34.0	1.977	2.937	6.1	20.2
11 7	0 57.31	+ 4 30.6	2.044	2.945	9.6	20.4
11 17	0 53.60	+ 3 41.7	2.134	2.952	12.7	20.6

241991 2002 NK_9 10 13.0 125°.29 3°.9/17.5 17

9 8	1 38.67	+23 23.1	2.220	2.998	14.3	21.1
9 18	1 33.27	+23 3.9	2.148	3.014	11.5	21.0
9 28	1 26.05	+22 25.0	2.098	3.030	8.4	20.8
10 8	1 17.69	+21 27.9	2.074	3.045	5.4	20.6
10 18	1 9.03	+20 15.9	2.078	3.060	3.9	20.6
10 28	1 0.99	+18 55.1	2.112	3.074	5.6	20.7
11 7	0 54.35	+17 32.9	2.174	3.087	8.5	20.9
11 17	0 49.65	+16 16.1	2.262	3.100	11.4	21.1

173821 2001 SY_{334} 10 13.0 342°.04 1°.8/11.4 18

9 8	1 34.22	+ 6 31.1	1.736	2.599	14.1	19.8
9 18	1 30.36	+ 5 36.9	1.664	2.595	10.5	19.5
9 28	1 24.47	+ 4 31.5	1.616	2.592	6.4	19.3
10 8	1 17.20	+ 3 20.6	1.593	2.589	2.4	19.0
10 18	1 9.48	+ 2 11.3	1.598	2.587	3.6	19.1
10 28	1 2.32	+ 1 11.1	1.630	2.584	7.8	19.4
11 7	0 56.64	+ 0 26.0	1.687	2.582	11.7	19.6
11 17	0 53.05	− 0 0.7	1.767	2.581	15.1	19.8

437647 2014 BU_{49} 10 13.0 98°.33 5°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 42.52	+23 34.8	1.890	2.671	16.3	20.6
9 18	1 36.44	+23 52.1	1.827	2.693	13.2	20.4
9 28	1 28.13	+23 48.5	1.785	2.714	9.8	20.3
10 8	1 18.41	+23 23.7	1.768	2.734	6.6	20.1
10 18	1 8.32	+22 40.1	1.778	2.754	5.1	20.1
10 28	0 59.01	+21 43.4	1.816	2.774	6.7	20.2
11 7	0 51.43	+20 41.5	1.881	2.793	9.7	20.4
11 17	0 46.20	+19 41.7	1.970	2.812	12.6	20.7

249094 2007 VX_{161} 10 13.0 194°.23 2°.8/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.96	+18 10.2	2.009	2.821	14.4	21.1
9 18	1 32.27	+17 59.2	1.927	2.820	11.3	20.9
9 28	1 25.60	+17 30.9	1.868	2.819	7.9	20.7
10 8	1 17.59	+16 46.8	1.834	2.819	4.3	20.5
10 18	1 9.10	+15 50.4	1.828	2.818	2.9	20.4
10 28	1 1.12	+14 47.8	1.851	2.817	5.8	20.5
11 7	0 54.55	+13 45.8	1.900	2.815	9.4	20.8
11 17	0 50.01	+12 50.7	1.974	2.814	12.7	21.0

242804 2006 BU_{81} 10 13.0 284°.51 4°.3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.39	− 3 7.8	2.275	3.141	11.0	20.7
9 18	1 29.26	− 4 17.3	2.209	3.139	8.3	20.5
9 28	1 23.56	− 5 28.6	2.169	3.137	5.6	20.3
10 8	1 16.86	− 6 35.7	2.156	3.135	4.3	20.2
10 18	1 9.84	− 7 32.6	2.171	3.134	5.6	20.3
10 28	1 3.26	− 8 14.4	2.214	3.132	8.3	20.5
11 7	0 57.81	− 8 38.3	2.282	3.130	11.0	20.7
11 17	0 53.99	− 8 43.4	2.372	3.128	13.4	20.8

223550 2004 EM_{73} 10 13.0 172°.30 0°.4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.58	+ 9 38.9	1.899	2.740	14.0	21.5
9 18	1 34.19	+ 8 59.3	1.825	2.743	10.5	21.3
9 28	1 26.75	+ 8 7.2	1.775	2.746	6.5	21.0
10 8	1 17.97	+ 7 7.0	1.752	2.748	2.1	20.8
10 18	1 8.75	+ 6 4.2	1.757	2.749	2.4	20.8
10 28	1 0.14	+ 5 5.7	1.791	2.750	6.7	21.1
11 7	0 53.04	+ 4 17.4	1.852	2.750	10.7	21.3
11 17	0 48.05	+ 3 43.6	1.937	2.750	14.0	21.5

27545 2000 JX_{16} 10 13.0 15°.07 5°.0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 32.64	− 0 10.4	1.469	2.354	14.9	16.8
9 18	1 29.37	− 1 37.7	1.417	2.358	11.0	16.6
9 28	1 23.89	− 3 10.6	1.387	2.363	7.2	16.4
10 8	1 17.01	− 4 39.6	1.382	2.368	5.0	16.3
10 18	1 9.73	− 5 55.3	1.402	2.375	6.8	16.4
10 28	1 3.18	− 6 49.6	1.448	2.382	10.5	16.7
11 7	0 58.30	− 7 18.5	1.517	2.390	14.2	16.9
11 17	0 55.67	− 7 21.5	1.606	2.398	17.3	17.1

452113 2014 QX_{412} 10 13.0 294°.49 4°.0/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.01	− 1 17.0	2.182	3.050	11.4	21.4
9 18	1 29.07	− 2 30.8	2.112	3.044	8.5	21.2
9 28	1 23.50	− 3 48.5	2.066	3.038	5.6	21.0
10 8	1 16.86	− 5 3.6	2.048	3.032	4.0	20.9
10 18	1 9.85	− 6 9.8	2.059	3.026	5.4	21.0
10 28	1 3.28	− 7 1.3	2.097	3.021	8.3	21.2
11 7	0 57.87	− 7 34.6	2.160	3.015	11.3	21.4
11 17	0 54.13	− 7 48.3	2.245	3.010	13.9	21.5

361988 2008 NA_{4} 10 13.0 58°.92 1°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.10	+10 20.0	2.062	2.885	13.7	20.1
9 18	1 38.03	+10 55.5	2.002	2.907	10.4	19.9
9 28	1 28.98	+11 22.1	1.966	2.929	6.7	19.7
10 8	1 18.69	+11 40.5	1.958	2.951	2.8	19.5
10 18	1 8.10	+11 52.4	1.980	2.973	2.1	19.5
10 28	0 58.23	+12 0.7	2.032	2.995	5.7	19.8
11 7	0 49.92	+12 8.8	2.112	3.017	9.2	20.0
11 17	0 43.76	+12 19.9	2.218	3.039	12.2	20.3

322163 2010 WF_{72} 10 13.0 120°.74 7°.6/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.75	−16 20.8	2.302	3.152	11.5	20.3
9 18	1 33.15	−17 14.5	2.253	3.156	9.5	20.2
9 28	1 25.90	−17 58.9	2.229	3.160	8.0	20.1
10 8	1 17.64	−18 28.3	2.230	3.164	7.7	20.1
10 18	1 9.15	−18 38.0	2.259	3.168	8.7	20.2
10 28	1 1.25	−18 25.8	2.313	3.172	10.6	20.3
11 7	0 54.67	−17 52.1	2.390	3.176	12.6	20.4
11 17	0 49.89	−16 59.1	2.488	3.180	14.4	20.6

441879 2010 BC_{74} 10 13.0 143°.02 2°.6/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.18	+18 10.0	1.946	2.759	14.7	21.8
9 18	1 32.44	+17 49.6	1.869	2.764	11.6	21.6
9 28	1 25.70	+17 11.0	1.815	2.768	7.9	21.4
10 8	1 17.63	+16 16.3	1.786	2.772	4.2	21.2
10 18	1 9.12	+15 9.6	1.785	2.775	2.8	21.1
10 28	1 1.20	+13 57.7	1.812	2.779	5.9	21.3
11 7	0 54.74	+12 47.9	1.867	2.782	9.6	21.5
11 17	0 50.35	+11 46.9	1.946	2.785	12.9	21.7

411529 2011 BD_{92} 10 13.0 304°.82 4°.5/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 35.31	+23 23.2	2.275	3.057	13.8	21.2
9 18	1 30.97	+23 31.4	2.185	3.051	11.3	21.0
9 28	1 24.78	+23 21.8	2.116	3.045	8.5	20.8
10 8	1 17.33	+22 54.2	2.072	3.039	5.8	20.7
10 18	1 9.38	+22 10.5	2.055	3.033	4.5	20.6
10 28	1 1.84	+21 15.0	2.067	3.027	5.9	20.6
11 7	0 55.53	+20 13.9	2.105	3.021	8.6	20.8
11 17	0 51.07	+19 13.7	2.169	3.015	11.5	21.0

139414 2001 OR_{16} 10 13.0 74°.69 4°.9/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.32	− 2 43.4	1.805	2.676	13.2	19.9
9 18	1 31.65	− 3 58.9	1.758	2.691	9.9	19.7
9 28	1 25.10	− 5 15.8	1.735	2.705	6.6	19.6
10 8	1 17.39	− 6 26.4	1.738	2.719	4.9	19.5
10 18	1 9.42	− 7 23.6	1.768	2.733	6.4	19.6
10 28	1 2.17	− 8 2.1	1.825	2.747	9.5	19.8
11 7	0 56.41	− 8 19.2	1.906	2.762	12.5	20.1
11 17	0 52.66	− 8 14.9	2.009	2.776	15.2	20.3

394621 2007 WO_{4} 10 13.0 212°.18 10°.9/ 9.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	2 0.92	−16 1.6	1.181	2.031	20.1	21.0
9 18	1 51.41	−16 15.7	1.120	2.028	16.4	20.8
9 28	1 37.96	−16 11.8	1.079	2.025	12.9	20.6
10 8	1 21.86	−15 38.9	1.061	2.021	10.9	20.4
10 18	1 5.06	−14 30.8	1.069	2.017	12.1	20.5
10 28	0 49.75	−12 47.9	1.103	2.012	15.4	20.7
11 7	0 37.62	−10 37.5	1.160	2.008	19.4	20.9
11 17	0 29.52	− 8 8.9	1.236	2.002	22.9	21.2

211327 2002 SM_{66} 10 13.0 339°.61 4°.0/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.96	+ 0 54.4	1.573	2.450	14.5	20.0
9 18	1 31.11	− 0 5.6	1.507	2.444	10.8	19.8
9 28	1 25.02	− 1 12.1	1.463	2.439	6.9	19.6
10 8	1 17.43	− 2 17.8	1.443	2.434	4.1	19.4
10 18	1 9.33	− 3 14.8	1.451	2.429	5.7	19.5
10 28	1 1.86	− 3 55.7	1.484	2.425	9.6	19.7
11 7	0 56.01	− 4 16.0	1.540	2.422	13.5	19.9
11 17	0 52.43	− 4 14.2	1.618	2.419	16.8	20.2

425546 2010 RE_{67} 10 13.0 347°.77 4°.7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.08	− 0 35.7	1.094	1.983	18.5	19.8
9 18	1 35.81	− 1 0.6	1.035	1.978	13.9	19.6
9 28	1 28.34	− 1 29.4	0.994	1.972	8.9	19.3
10 8	1 18.64	− 1 54.4	0.976	1.968	4.9	19.0
10 18	1 8.16	− 2 7.5	0.981	1.965	6.6	19.1
10 28	0 58.65	− 2 1.9	1.010	1.962	11.5	19.4
11 7	0 51.52	− 1 34.7	1.060	1.961	16.4	19.7
11 17	0 47.63	− 0 46.2	1.128	1.960	20.7	19.9

46816 1998 MR_{13} 10 13.0 62°.45 8°.3/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.58	+30 26.0	1.360	2.137	21.7	18.1
9 18	1 35.77	+30 38.8	1.308	2.160	18.2	17.9
9 28	1 28.02	+30 17.4	1.273	2.184	14.4	17.7
10 8	1 18.44	+29 20.2	1.258	2.208	10.7	17.6
10 18	1 8.44	+27 51.2	1.266	2.231	8.4	17.5
10 28	0 59.60	+26 0.3	1.299	2.255	9.1	17.6
11 7	0 53.11	+24 1.5	1.357	2.279	11.9	17.9
11 17	0 49.62	+22 7.8	1.438	2.302	15.2	18.1

420853 2013 JK_{59} 10 13.0 81°.94 0°.3/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.70	+10 7.1	1.239	2.101	18.6	21.3
9 18	1 36.48	+ 9 31.8	1.188	2.116	14.0	21.1
9 28	1 28.43	+ 8 39.7	1.158	2.131	8.6	20.9
10 8	1 18.58	+ 7 36.6	1.151	2.147	2.9	20.6
10 18	1 8.32	+ 6 30.8	1.169	2.162	3.0	20.6
10 28	0 59.15	+ 5 32.0	1.213	2.177	8.5	21.0
11 7	0 52.25	+ 4 47.8	1.281	2.192	13.4	21.3
11 17	0 48.29	+ 4 22.8	1.370	2.206	17.5	21.6

208863 2002 SM_{42} 10 13.0 346°.65 0°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.30	+11 23.2	1.661	2.513	15.1	20.1
9 18	1 30.57	+10 40.1	1.587	2.510	11.4	19.9
9 28	1 24.67	+ 9 41.0	1.536	2.507	7.1	19.7
10 8	1 17.32	+ 8 30.5	1.509	2.505	2.5	19.4
10 18	1 9.47	+ 7 15.4	1.510	2.503	2.4	19.4
10 28	1 2.21	+ 6 3.7	1.538	2.501	7.1	19.6
11 7	0 56.51	+ 5 3.2	1.591	2.500	11.4	19.9
11 17	0 53.01	+ 4 19.1	1.667	2.499	15.0	20.1

297189 2010 XZ_{35} 10 13.0 124°.22 6°.8/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.48	−13 26.3	2.326	3.181	11.2	20.1
9 18	1 32.20	−14 22.4	2.275	3.186	9.0	20.0
9 28	1 25.33	−15 11.7	2.248	3.191	7.3	19.9
10 8	1 17.47	−15 48.2	2.248	3.195	6.8	19.9
10 18	1 9.37	−16 7.3	2.276	3.199	7.9	20.0
10 28	1 1.82	−16 6.2	2.329	3.204	9.9	20.1
11 7	0 55.53	−15 44.6	2.407	3.208	12.1	20.3
11 17	0 50.96	−15 4.2	2.505	3.212	14.0	20.4

402828 2007 EJ_{220} 10 13.0 283°.28 2°.0/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.34	+ 2 52.9	2.187	3.040	11.9	20.8
9 18	1 32.37	+ 2 32.9	2.104	3.030	8.9	20.6
9 28	1 25.60	+ 2 7.9	2.046	3.019	5.5	20.4
10 8	1 17.62	+ 1 41.7	2.015	3.009	2.3	20.2
10 18	1 9.18	+ 1 18.4	2.013	2.999	3.3	20.2
10 28	1 1.16	+ 1 2.3	2.039	2.988	6.8	20.4
11 7	0 54.36	+ 0 56.7	2.092	2.978	10.2	20.6
11 17	0 49.37	+ 1 3.5	2.169	2.968	13.2	20.8

224958 2007 EM_{18} 10 13.0 193°.76 2°.0/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.02	+15 23.5	2.483	3.292	12.0	21.3
9 18	1 32.72	+15 28.6	2.398	3.291	9.4	21.1
9 28	1 25.75	+15 22.1	2.336	3.290	6.3	20.9
10 8	1 17.66	+15 5.1	2.301	3.288	3.3	20.7
10 18	1 9.15	+14 39.7	2.296	3.286	2.3	20.6
10 28	1 1.04	+14 9.8	2.320	3.284	5.0	20.8
11 7	0 54.07	+13 39.6	2.373	3.282	8.1	21.0
11 17	0 48.78	+13 13.5	2.451	3.279	10.9	21.2

85059 1211 $T\text{-}_{1}$ 10 13.0 71°.95 1°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.23	+13 16.3	1.426	2.272	17.5	19.3
9 18	1 35.11	+12 53.2	1.373	2.290	13.3	19.1
9 28	1 27.46	+12 12.3	1.341	2.308	8.5	18.8
10 8	1 18.25	+11 17.6	1.333	2.326	3.4	18.6
10 18	1 8.68	+10 15.7	1.351	2.344	2.4	18.6
10 28	1 0.06	+ 9 14.9	1.396	2.362	7.3	18.9
11 7	0 53.45	+ 8 23.2	1.466	2.380	11.8	19.2
11 17	0 49.46	+ 7 46.1	1.558	2.398	15.5	19.5

190005 2004 KQ_{17} 10 13.0 287°.38 0°.3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 27.31	+ 8 46.8	4.323	5.155	6.9	20.3
9 18	1 24.15	+ 8 6.2	4.235	5.150	5.1	20.1
9 28	1 20.19	+ 7 20.3	4.175	5.144	3.1	20.0
10 8	1 15.73	+ 6 31.1	4.143	5.139	1.0	19.8
10 18	1 11.09	+ 5 41.0	4.143	5.134	1.3	19.8
10 28	1 6.66	+ 4 52.9	4.173	5.129	3.4	20.0
11 7	1 2.75	+ 4 9.2	4.233	5.123	5.3	20.1
11 17	0 59.66	+ 3 32.1	4.319	5.118	7.1	20.2

209334 2004 BT_{147} 10 13.0 352°.66 0°.9/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.44	+ 6 57.7	1.168	2.053	17.9	19.3
9 18	1 30.72	+ 6 51.5	1.102	2.043	13.5	19.0
9 28	1 25.16	+ 6 32.7	1.056	2.035	8.4	18.7
10 8	1 17.59	+ 6 6.1	1.032	2.028	2.8	18.4
10 18	1 9.26	+ 5 37.9	1.031	2.024	3.4	18.4
10 28	1 1.68	+ 5 15.9	1.054	2.020	9.0	18.7
11 7	0 56.15	+ 5 6.7	1.098	2.019	14.1	19.0
11 17	0 53.51	+ 5 14.0	1.163	2.019	18.5	19.3

10422 1999 AN_{22} 10 13.0 75°.67 7°.9/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.51	−14 29.3	1.909	2.764	13.3	16.6
9 18	1 36.05	−15 18.7	1.876	2.785	10.7	16.5
9 28	1 27.69	−15 58.0	1.866	2.807	8.6	16.4
10 8	1 18.27	−16 20.6	1.881	2.828	7.9	16.4
10 18	1 8.74	−16 22.0	1.924	2.850	9.0	16.5
10 28	1 0.11	−16 0.3	1.992	2.871	11.1	16.7
11 7	0 53.14	−15 17.0	2.083	2.892	13.4	16.9
11 17	0 48.30	−14 14.9	2.196	2.913	15.5	17.1

264758 2002 EH_{27} 10 13.1 137°.20 2°.3/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.81	+ 6 30.7	1.464	2.329	16.1	20.4
9 18	1 34.08	+ 5 23.8	1.402	2.334	12.0	20.2
9 28	1 26.90	+ 4 3.8	1.362	2.338	7.3	19.9
10 8	1 18.11	+ 2 38.1	1.348	2.343	2.8	19.7
10 18	1 8.84	+ 1 15.8	1.360	2.347	4.3	19.8
10 28	1 0.38	+ 0 6.3	1.399	2.351	8.9	20.1
11 7	0 53.78	− 0 43.7	1.462	2.355	13.3	20.4
11 17	0 49.70	− 1 11.1	1.546	2.358	17.0	20.6

489111 2006 BX_{242} 10 13.1 307°.04 3°.7/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.51	+18 56.3	2.071	2.877	14.2	21.7
9 18	1 32.84	+19 18.3	1.978	2.864	11.4	21.5
9 28	1 26.10	+19 25.1	1.906	2.850	8.2	21.2
10 8	1 17.87	+19 16.5	1.859	2.837	5.1	21.0
10 18	1 8.99	+18 53.8	1.839	2.824	3.8	20.9
10 28	1 0.48	+18 20.9	1.848	2.812	6.1	21.1
11 7	0 53.29	+17 43.7	1.883	2.799	9.5	21.2
11 17	0 48.13	+17 8.0	1.943	2.787	12.7	21.4

50521 2000 DZ_{110} 10 13.1 60°.55 1°.7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.75	+ 5 53.4	1.741	2.601	14.2	19.5
9 18	1 32.18	+ 5 10.5	1.679	2.608	10.5	19.3
9 28	1 25.56	+ 4 18.3	1.640	2.615	6.4	19.1
10 8	1 17.63	+ 3 22.0	1.626	2.622	2.4	18.8
10 18	1 9.32	+ 2 28.0	1.640	2.629	3.4	18.9
10 28	1 1.67	+ 1 42.8	1.682	2.636	7.5	19.2
11 7	0 55.57	+ 1 11.4	1.749	2.644	11.4	19.4
11 17	0 51.59	+ 0 56.5	1.839	2.651	14.7	19.7

453522 2009 VK_{5} 10 13.1 20°.55 9°.4/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 34.36	+33 49.8	1.612	2.362	19.8	19.8
9 18	1 31.03	+34 26.1	1.549	2.374	17.2	19.6
9 28	1 25.14	+34 31.3	1.502	2.386	14.3	19.5
10 8	1 17.54	+34 2.9	1.475	2.400	11.5	19.4
10 18	1 9.40	+33 1.9	1.470	2.415	9.7	19.3
10 28	1 2.04	+31 34.4	1.490	2.431	9.6	19.3
11 7	0 56.60	+29 51.0	1.534	2.448	11.4	19.5
11 17	0 53.76	+28 3.5	1.601	2.465	13.9	19.7

365436 2010 LZ_{110} 10 13.1 50°.22 8°.4/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.68	− 5 19.6	0.967	1.864	19.7	20.9
9 18	1 36.54	− 6 53.0	0.948	1.891	14.8	20.7
9 28	1 28.36	− 8 21.4	0.948	1.919	10.4	20.6
10 8	1 18.52	− 9 31.4	0.969	1.948	8.4	20.6
10 18	1 8.64	−10 13.1	1.013	1.977	10.2	20.8
10 28	1 0.32	−10 21.7	1.079	2.006	13.9	21.1
11 7	0 54.63	− 9 58.3	1.165	2.036	17.7	21.4
11 17	0 52.03	− 9 8.0	1.269	2.066	20.8	21.7

64015 2001 SL_{143} 10 13.1 311°.29 0°.5/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.49	+12 35.0	1.457	2.312	16.7	19.3
9 18	1 31.86	+11 55.9	1.379	2.302	12.8	19.1
9 28	1 25.70	+10 57.3	1.322	2.293	8.1	18.8
10 8	1 17.77	+ 9 43.6	1.288	2.283	3.0	18.4
10 18	1 9.15	+ 8 21.8	1.281	2.275	2.5	18.4
10 28	1 1.15	+ 7 1.7	1.300	2.266	7.8	18.7
11 7	0 54.92	+ 5 52.9	1.344	2.258	12.6	19.0
11 17	0 51.25	+ 5 1.9	1.409	2.250	16.8	19.2

203020 2000 AW_{127} 10 13.1 200°.79 5°.2/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.89	+29 23.5	2.958	3.678	12.3	21.6
9 18	1 34.08	+29 36.8	2.857	3.673	10.4	21.5
9 28	1 26.61	+29 33.3	2.778	3.667	8.3	21.3
10 8	1 18.00	+29 11.7	2.724	3.660	6.4	21.2
10 18	1 8.94	+28 32.7	2.698	3.652	5.3	21.1
10 28	1 0.21	+27 39.2	2.702	3.643	5.8	21.1
11 7	0 52.56	+26 36.3	2.735	3.634	7.6	21.2
11 17	0 46.54	+25 29.6	2.795	3.624	9.7	21.4

14235 1999 XA_{187} 10 13.1 318°.12 0°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 29.69	+ 4 22.5	4.004	4.845	7.2	18.3
9 18	1 25.96	+ 4 4.4	3.920	4.840	5.3	18.1
9 28	1 21.34	+ 3 43.1	3.863	4.835	3.2	18.0
10 8	1 16.16	+ 3 20.6	3.836	4.831	1.2	17.8
10 18	1 10.77	+ 2 58.9	3.838	4.826	1.7	17.9
10 28	1 5.61	+ 2 40.4	3.871	4.821	3.8	18.0
11 7	1 1.03	+ 2 27.0	3.932	4.816	5.9	18.2
11 17	0 57.37	+ 2 20.2	4.020	4.812	7.7	18.3

239092 2006 HT_{35} 10 13.1 210°.75 1°.8/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.16	+ 4 15.3	2.318	3.162	11.7	21.6
9 18	1 33.64	+ 3 39.9	2.234	3.155	8.7	21.4
9 28	1 26.37	+ 2 58.0	2.175	3.147	5.3	21.2
10 8	1 17.92	+ 2 13.6	2.144	3.138	2.2	21.0
10 18	1 9.04	+ 1 31.1	2.143	3.129	3.1	21.0
10 28	1 0.59	+ 0 55.5	2.172	3.119	6.6	21.3
11 7	0 53.32	+ 0 30.7	2.228	3.109	9.9	21.4
11 17	0 47.82	+ 0 19.0	2.308	3.097	12.8	21.6

1999 Hirayama 10 13.1 242°.80 4°.0/ 8.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.61	− 2 41.6	2.474	3.336	10.4	16.1
9 18	1 29.39	− 3 51.0	2.399	3.328	7.8	16.0
9 28	1 23.68	− 5 2.8	2.351	3.319	5.3	15.8
10 8	1 16.99	− 6 11.5	2.330	3.310	4.0	15.7
10 18	1 9.96	− 7 11.5	2.338	3.301	5.3	15.8
10 28	1 3.31	− 7 57.8	2.374	3.292	7.8	15.9
11 7	0 57.68	− 8 27.4	2.436	3.282	10.5	16.1
11 17	0 53.57	− 8 39.2	2.521	3.272	12.8	16.2

463518 2013 QC_{71} 10 13.1 72°.75 0°.6/13.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.90	+11 3.1	1.281	2.135	18.6	21.4
9 18	1 37.99	+10 50.1	1.235	2.158	14.0	21.2
9 28	1 29.29	+10 20.9	1.210	2.180	8.8	21.0
10 8	1 18.90	+ 9 39.7	1.208	2.203	3.2	20.7
10 18	1 8.21	+ 8 53.2	1.233	2.226	2.6	20.8
10 28	0 58.68	+ 8 9.3	1.283	2.249	7.9	21.2
11 7	0 51.46	+ 7 35.4	1.358	2.271	12.6	21.5
11 17	0 47.15	+ 7 16.0	1.455	2.293	16.5	21.8

517299 2014 HW_{74} 10 13.1 255°.44 2°.8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.83	+ 1 19.4	2.013	2.866	12.8	22.6
9 18	1 35.24	+ 0 50.0	1.922	2.847	9.6	22.3
9 28	1 27.56	+ 0 15.7	1.856	2.828	6.1	22.1
10 8	1 18.38	− 0 19.0	1.817	2.809	3.0	21.8
10 18	1 8.58	− 0 48.8	1.806	2.789	4.2	21.9
10 28	0 59.18	− 1 8.7	1.824	2.768	7.9	22.1
11 7	0 51.13	− 1 15.0	1.869	2.747	11.6	22.3
11 17	0 45.14	− 1 5.7	1.936	2.725	14.9	22.4

447383 2006 BB_{17} 10 13.1 197°.55 4°.3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 34.76	− 5 0.0	2.536	3.396	10.3	21.1
9 18	1 30.16	− 5 58.2	2.469	3.394	7.8	21.0
9 28	1 24.11	− 6 56.3	2.428	3.392	5.4	20.8
10 8	1 17.13	− 7 49.2	2.414	3.390	4.3	20.7
10 18	1 9.86	− 8 32.1	2.430	3.388	5.5	20.8
10 28	1 3.00	− 9 0.9	2.474	3.385	7.8	21.0
11 7	0 57.18	− 9 13.4	2.543	3.382	10.3	21.1
11 17	0 52.87	− 9 9.2	2.635	3.379	12.5	21.3

428649 2008 GR_{30} 10 13.1 101°.36 1°.4/11.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.80	+ 7 10.0	1.596	2.450	15.5	22.0
9 18	1 35.27	+ 6 27.2	1.541	2.467	11.5	21.8
9 28	1 27.48	+ 5 33.5	1.509	2.483	7.0	21.6
10 8	1 18.29	+ 4 34.4	1.503	2.499	2.4	21.3
10 18	1 8.78	+ 3 36.7	1.524	2.514	3.3	21.4
10 28	1 0.12	+ 2 47.8	1.573	2.530	7.8	21.8
11 7	0 53.26	+ 2 12.9	1.648	2.544	11.8	22.0
11 17	0 48.80	+ 1 55.2	1.745	2.559	15.3	22.3

327545 2006 BR_{256} 10 13.1 303°.48 3°.9/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.10	+19 41.6	2.160	2.959	14.0	20.9
9 18	1 33.20	+20 7.1	2.068	2.949	11.2	20.7
9 28	1 26.29	+20 17.6	1.999	2.939	8.2	20.5
10 8	1 17.95	+20 12.7	1.954	2.929	5.2	20.3
10 18	1 9.01	+19 53.7	1.937	2.920	4.0	20.2
10 28	1 0.43	+19 24.0	1.949	2.911	6.0	20.3
11 7	0 53.16	+18 49.1	1.987	2.901	9.1	20.5
11 17	0 47.86	+18 14.9	2.051	2.892	12.2	20.7

149283 2002 TT_{142} 10 13.1 19°.03 4°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.25	+ 0 58.8	0.922	1.827	19.7	18.9
9 18	1 32.25	+ 0 14.3	0.884	1.835	14.6	18.7
9 28	1 26.07	− 0 36.7	0.865	1.846	9.2	18.4
10 8	1 17.87	− 1 24.2	0.865	1.859	5.0	18.3
10 18	1 9.22	− 1 58.4	0.888	1.873	6.8	18.4
10 28	1 1.81	− 2 11.1	0.933	1.888	11.8	18.7
11 7	0 56.89	− 1 59.3	0.997	1.906	16.5	19.1
11 17	0 55.11	− 1 23.7	1.080	1.924	20.6	19.4

172588 2003 UJ_{282} 10 13.1 295°.76 4°.8/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.98	+ 0 16.0	1.350	2.230	16.2	20.0
9 18	1 33.86	− 0 47.2	1.278	2.217	12.2	19.7
9 28	1 27.03	− 1 58.1	1.228	2.204	7.9	19.4
10 8	1 18.26	− 3 8.2	1.201	2.191	4.9	19.2
10 18	1 8.73	− 4 7.7	1.200	2.178	6.7	19.3
10 28	0 59.87	− 4 47.8	1.223	2.165	11.2	19.5
11 7	0 52.92	− 5 3.1	1.269	2.153	15.6	19.7
11 17	0 48.72	− 4 52.4	1.334	2.141	19.5	20.0

118022 2055 $T\text{-}_2$ 10 13.1 43°.28 0°.9/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.26	+11 14.7	1.593	2.451	15.4	18.8
9 18	1 29.68	+ 9 49.1	1.538	2.465	11.4	18.6
9 28	1 24.04	+ 8 6.7	1.506	2.480	6.9	18.4
10 8	1 17.13	+ 6 15.1	1.499	2.495	2.2	18.1
10 18	1 9.92	+ 4 23.6	1.520	2.511	3.0	18.2
10 28	1 3.44	+ 2 42.5	1.568	2.527	7.5	18.5
11 7	0 58.57	+ 1 19.6	1.643	2.544	11.6	18.8
11 17	0 55.83	+ 0 19.3	1.739	2.560	15.0	19.1

226067 2002 HQ_{14} 10 13.1 251°.25 0°.0/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.98	+ 8 50.6	4.503	5.331	6.7	20.3
9 18	1 25.35	+ 8 36.9	4.418	5.328	5.0	20.2
9 28	1 20.94	+ 8 18.6	4.358	5.326	3.1	20.0
10 8	1 16.03	+ 7 57.3	4.328	5.323	1.1	19.9
10 18	1 10.95	+ 7 34.9	4.328	5.321	1.0	19.9
10 28	1 6.05	+ 7 13.2	4.360	5.319	3.1	20.0
11 7	1 1.68	+ 6 54.3	4.420	5.316	5.0	20.2
11 17	0 58.12	+ 6 39.8	4.508	5.314	6.7	20.3

517084 2013 CP_{117} 10 13.1 244°.63 4°.3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.37	− 2 51.0	2.190	3.052	11.6	21.9
9 18	1 31.66	− 3 54.2	2.112	3.040	8.7	21.7
9 28	1 25.20	− 5 0.0	2.059	3.028	5.9	21.5
10 8	1 17.55	− 6 2.2	2.034	3.015	4.3	21.4
10 18	1 9.46	− 6 55.0	2.037	3.002	5.7	21.5
10 28	1 1.79	− 7 32.8	2.067	2.988	8.6	21.6
11 7	0 55.31	− 7 52.4	2.124	2.975	11.6	21.8
11 17	0 50.61	− 7 52.9	2.202	2.961	14.3	22.0

502648 2015 CC_{43} 10 13.1 305°.58 3°.4/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.59	+ 4 12.0	1.301	2.180	16.8	20.9
9 18	1 32.86	+ 3 5.0	1.232	2.171	12.6	20.6
9 28	1 26.41	+ 1 45.1	1.183	2.162	7.8	20.3
10 8	1 18.05	+ 0 20.5	1.159	2.153	3.7	20.0
10 18	1 8.97	− 0 58.3	1.159	2.144	5.5	20.1
10 28	1 0.60	− 2 1.1	1.185	2.135	10.4	20.4
11 7	0 54.19	− 2 40.5	1.233	2.127	15.2	20.6
11 17	0 50.52	− 2 53.6	1.300	2.119	19.2	20.9

479819 2014 FS_{51} 10 13.1 189°.39 2°.2/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 40.56	+ 2 10.0	2.167	3.016	12.2	21.7
9 18	1 34.73	+ 1 45.7	2.092	3.015	9.1	21.5
9 28	1 27.07	+ 1 17.0	2.042	3.014	5.6	21.3
10 8	1 18.18	+ 0 47.9	2.019	3.012	2.6	21.1
10 18	1 8.90	+ 0 22.6	2.026	3.010	3.6	21.2
10 28	1 0.13	+ 0 5.5	2.062	3.007	7.0	21.4
11 7	0 52.67	− 0 0.2	2.125	3.004	10.3	21.6
11 17	0 47.12	+ 0 7.0	2.211	3.001	13.3	21.8

62542 2000 SO_{260} 10 13.1 101°.06 1°.8/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.44	+ 7 3.5	1.776	2.631	14.2	19.0
9 18	1 32.58	+ 5 52.0	1.721	2.647	10.4	18.8
9 28	1 25.75	+ 4 29.7	1.689	2.663	6.3	18.6
10 8	1 17.72	+ 3 3.1	1.684	2.679	2.4	18.3
10 18	1 9.40	+ 1 39.9	1.707	2.694	3.6	18.5
10 28	1 1.82	+ 0 27.8	1.759	2.710	7.6	18.7
11 7	0 55.78	− 0 27.6	1.836	2.724	11.3	19.0
11 17	0 51.84	− 1 3.4	1.937	2.739	14.4	19.2

82666 2001 PD_{20} 10 13.1 67°.05 3°.6/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.82	+ 1 28.5	1.456	2.328	15.8	19.9
9 18	1 34.82	+ 0 42.4	1.400	2.335	11.7	19.7
9 28	1 27.35	− 0 9.6	1.366	2.342	7.3	19.5
10 8	1 18.31	− 1 0.7	1.357	2.349	3.8	19.3
10 18	1 8.84	− 1 43.3	1.374	2.356	5.3	19.4
10 28	1 0.22	− 2 10.8	1.417	2.364	9.5	19.7
11 7	0 53.48	− 2 19.3	1.484	2.371	13.5	19.9
11 17	0 49.28	− 2 7.8	1.572	2.378	17.0	20.2

103833 2000 DP_{28} 10 13.1 124°.31 1°.3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.54	+ 6 59.3	1.936	2.788	13.3	19.7
9 18	1 31.90	+ 6 13.5	1.868	2.793	9.9	19.5
9 28	1 25.37	+ 5 17.8	1.824	2.797	6.0	19.3
10 8	1 17.62	+ 4 17.1	1.806	2.801	2.1	19.1
10 18	1 9.50	+ 3 17.2	1.816	2.806	3.0	19.1
10 28	1 1.95	+ 2 24.6	1.855	2.810	6.9	19.4
11 7	0 55.79	+ 1 44.2	1.920	2.814	10.6	19.6
11 17	0 51.60	+ 1 19.4	2.009	2.817	13.7	19.9

242567 2005 EO_{212} 10 13.1 118°.24 9°.3/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.38	−17 2.3	2.033	2.892	12.5	20.4
9 18	1 31.66	−19 8.3	2.000	2.903	10.5	20.3
9 28	1 25.15	−21 3.5	1.992	2.914	9.4	20.2
10 8	1 17.52	−22 38.9	2.011	2.925	9.5	20.3
10 18	1 9.63	−23 47.4	2.055	2.935	10.9	20.4
10 28	1 2.38	−24 25.6	2.122	2.945	12.8	20.5
11 7	0 56.54	−24 33.6	2.211	2.955	14.7	20.7
11 17	0 52.60	−24 14.3	2.317	2.965	16.4	20.9

290203 2005 SM_{37} 10 13.1 344°.43 1°.5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.07	+10 29.1	1.672	2.515	15.5	20.2
9 18	1 35.82	+11 3.3	1.592	2.508	11.9	19.9
9 28	1 28.11	+11 27.7	1.535	2.501	7.8	19.7
10 8	1 18.65	+11 42.8	1.502	2.495	3.3	19.4
10 18	1 8.48	+11 50.6	1.497	2.490	2.5	19.3
10 28	0 58.85	+11 54.6	1.519	2.485	6.9	19.6
11 7	0 50.90	+11 59.4	1.567	2.481	11.1	19.8
11 17	0 45.42	+12 9.0	1.639	2.478	14.9	20.1

373183 2012 DT_{47} 10 13.1 145°.85 2°.3/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.09	+ 5 31.3	1.599	2.458	15.2	21.6
9 18	1 34.87	+ 4 32.5	1.537	2.465	11.3	21.4
9 28	1 27.34	+ 3 23.0	1.497	2.472	6.9	21.2
10 8	1 18.32	+ 2 9.4	1.483	2.478	2.8	20.9
10 18	1 8.87	+ 0 59.7	1.497	2.484	4.1	21.0
10 28	1 0.18	+ 0 1.7	1.538	2.489	8.5	21.3
11 7	0 53.24	− 0 38.8	1.605	2.493	12.6	21.6
11 17	0 48.70	− 0 59.1	1.693	2.498	16.0	21.8

471525 2012 GR_{34} 10 13.1 181°.90 1°.3/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.62	+13 33.1	1.762	2.592	15.4	22.5
9 18	1 36.02	+13 14.9	1.685	2.593	11.8	22.3
9 28	1 28.10	+12 40.9	1.630	2.594	7.7	22.1
10 8	1 18.61	+11 53.7	1.601	2.594	3.2	21.8
10 18	1 8.56	+10 58.0	1.600	2.593	2.3	21.7
10 28	0 59.14	+10 0.7	1.627	2.591	6.7	22.0
11 7	0 51.39	+ 9 9.0	1.681	2.589	10.9	22.3
11 17	0 46.00	+ 8 28.6	1.758	2.587	14.5	22.5

305187 2007 VV_{314} 10 13.1 299°.93 2°.8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.50	+ 2 16.3	1.782	2.646	13.7	20.7
9 18	1 32.88	+ 1 40.7	1.707	2.638	10.2	20.4
9 28	1 26.13	+ 0 59.0	1.654	2.629	6.4	20.2
10 8	1 17.93	+ 0 16.4	1.628	2.621	3.1	20.0
10 18	1 9.20	− 0 21.3	1.628	2.612	4.3	20.0
10 28	1 1.00	− 0 48.2	1.656	2.604	8.2	20.2
11 7	0 54.29	− 1 0.2	1.709	2.596	12.1	20.5
11 17	0 49.73	− 0 55.2	1.785	2.588	15.4	20.7

479443 2013 YH_{110} 10 13.1 224°.40 1°.5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.16	+10 39.9	2.206	3.014	13.4	21.2
9 18	1 42.18	+11 21.7	2.109	3.006	10.4	21.0
9 28	1 31.88	+11 56.2	2.038	2.996	6.8	20.7
10 8	1 19.93	+12 23.1	1.996	2.987	3.0	20.5
10 18	1 7.23	+12 43.1	1.985	2.977	2.3	20.4
10 28	0 54.94	+12 58.2	2.006	2.966	6.0	20.6
11 7	0 44.09	+13 11.5	2.057	2.955	9.8	20.9
11 17	0 35.46	+13 26.7	2.134	2.943	13.0	21.1

130868 2000 VZ 10 13.1 24°.27 1°.4/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.15	+ 6 35.5	1.518	2.381	15.7	19.9
9 18	1 33.59	+ 6 6.5	1.454	2.384	11.7	19.7
9 28	1 26.64	+ 5 26.7	1.411	2.386	7.2	19.5
10 8	1 18.10	+ 4 41.2	1.394	2.390	2.5	19.2
10 18	1 9.07	+ 3 56.2	1.402	2.393	3.3	19.3
10 28	1 0.76	+ 3 18.9	1.438	2.397	8.0	19.6
11 7	0 54.23	+ 2 54.9	1.498	2.401	12.4	19.8
11 17	0 50.15	+ 2 47.2	1.579	2.405	16.0	20.1

265131 2003 UW_{175} 10 13.1 25°.21 1°.4/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.89	+ 6 0.3	1.839	2.699	13.5	20.1
9 18	1 30.72	+ 5 29.6	1.778	2.707	10.0	19.9
9 28	1 24.66	+ 4 50.4	1.740	2.715	6.1	19.6
10 8	1 17.39	+ 4 7.4	1.728	2.724	2.2	19.4
10 18	1 9.78	+ 3 25.8	1.744	2.734	3.0	19.5
10 28	1 2.78	+ 2 51.3	1.787	2.744	6.9	19.8
11 7	0 57.20	+ 2 28.3	1.856	2.754	10.6	20.0
11 17	0 53.59	+ 2 19.3	1.947	2.765	13.8	20.2

60568 2000 ED_{111} 10 13.1 285°.40 5°.6/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.02	− 4 32.8	1.827	2.699	13.0	19.3
9 18	1 31.69	− 5 45.9	1.758	2.690	9.9	19.1
9 28	1 25.35	− 7 0.4	1.714	2.682	7.0	18.9
10 8	1 17.66	− 8 8.7	1.696	2.673	5.6	18.8
10 18	1 9.50	− 9 3.2	1.705	2.665	7.2	18.9
10 28	1 1.88	− 9 37.9	1.740	2.656	10.2	19.1
11 7	0 55.68	− 9 49.7	1.798	2.648	13.4	19.3
11 17	0 51.55	− 9 38.6	1.878	2.640	16.3	19.5

402048 2003 SZ_{292} 10 13.1 11°.99 6°.6/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.98	+21 57.4	1.648	2.449	17.5	20.0
9 18	1 36.68	+23 17.4	1.579	2.454	14.4	19.9
9 28	1 28.72	+24 19.2	1.530	2.460	11.0	19.7
10 8	1 18.88	+24 59.6	1.504	2.467	8.0	19.5
10 18	1 8.29	+25 17.5	1.504	2.475	6.6	19.5
10 28	0 58.34	+25 15.7	1.530	2.484	8.2	19.6
11 7	0 50.23	+25 0.5	1.581	2.494	11.1	19.8
11 17	0 44.81	+24 39.4	1.655	2.505	14.2	20.0

74173 1998 RL_{8} 10 13.1 352°.33 1°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 32.01	+ 7 11.1	1.242	2.125	17.2	18.8
9 18	1 29.50	+ 6 33.6	1.176	2.117	12.9	18.5
9 28	1 24.36	+ 5 41.6	1.130	2.109	7.9	18.2
10 8	1 17.39	+ 4 41.3	1.107	2.104	2.7	17.9
10 18	1 9.75	+ 3 41.1	1.108	2.099	3.8	18.0
10 28	1 2.83	+ 2 50.5	1.134	2.097	9.1	18.3
11 7	0 57.81	+ 2 16.9	1.181	2.095	14.0	18.6
11 17	0 55.44	+ 2 4.5	1.249	2.095	18.2	18.8

439489 2013 YZ_{123} 10 13.1 223°.45 9°.0/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.23	−13 19.4	1.690	2.560	14.0	21.0
9 18	1 33.43	−14 53.7	1.640	2.559	11.4	20.8
9 28	1 26.43	−16 20.4	1.613	2.558	9.5	20.7
10 8	1 18.02	−17 29.7	1.611	2.556	9.2	20.7
10 18	1 9.20	−18 13.7	1.634	2.555	10.7	20.8
10 28	1 1.10	−18 27.9	1.681	2.553	13.2	20.9
11 7	0 54.66	−18 11.9	1.749	2.552	15.8	21.1
11 17	0 50.48	−17 28.8	1.835	2.550	18.2	21.3

78835 2003 QH_{37} 10 13.1 54°.06 0°.2/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.45	+11 22.8	1.142	2.009	19.5	19.3
9 18	1 34.97	+10 44.0	1.097	2.027	14.6	19.1
9 28	1 27.60	+ 9 46.1	1.071	2.045	9.1	18.8
10 8	1 18.42	+ 8 35.3	1.068	2.064	3.1	18.5
10 18	1 8.87	+ 7 20.8	1.090	2.083	2.9	18.6
10 28	1 0.48	+ 6 13.4	1.136	2.102	8.6	19.0
11 7	0 54.41	+ 5 21.8	1.206	2.122	13.6	19.3
11 17	0 51.30	+ 4 50.5	1.296	2.141	17.7	19.6

46225 2001 GV_{10} 10 13.1 108°.12 0°.3/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.39	+ 9 45.3	2.502	3.338	11.2	19.9
9 18	1 29.89	+ 9 4.8	2.435	3.350	8.3	19.7
9 28	1 23.95	+ 8 15.0	2.392	3.362	5.1	19.6
10 8	1 17.13	+ 7 19.5	2.377	3.373	1.7	19.3
10 18	1 10.06	+ 6 22.5	2.392	3.384	1.8	19.4
10 28	1 3.44	+ 5 28.8	2.436	3.395	5.2	19.6
11 7	0 57.90	+ 4 42.9	2.509	3.406	8.3	19.8
11 17	0 53.88	+ 4 8.0	2.606	3.416	10.9	20.0

316143 2009 SL_{287} 10 13.1 293°.39 1°.9/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.38	+13 47.6	2.272	3.090	12.8	20.2
9 18	1 33.95	+14 6.0	2.187	3.086	9.9	20.0
9 28	1 26.67	+14 13.7	2.125	3.082	6.6	19.8
10 8	1 18.12	+14 11.4	2.090	3.078	3.3	19.6
10 18	1 9.06	+14 1.1	2.083	3.075	2.3	19.5
10 28	1 0.42	+13 46.1	2.107	3.071	5.4	19.7
11 7	0 53.01	+13 30.7	2.158	3.067	8.8	19.9
11 17	0 47.46	+13 18.9	2.234	3.063	11.8	20.1

346587 2008 VG_{78} 10 13.1 13°.05 0°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 31.50	+10 27.0	1.121	2.004	18.7	19.3
9 18	1 29.19	+ 9 36.4	1.069	2.008	14.0	19.1
9 28	1 24.14	+ 8 26.0	1.036	2.015	8.6	18.8
10 8	1 17.30	+ 7 3.3	1.026	2.022	2.8	18.5
10 18	1 9.93	+ 5 38.5	1.039	2.032	3.3	18.5
10 28	1 3.47	+ 4 23.3	1.076	2.042	8.9	18.9
11 7	0 59.08	+ 3 26.7	1.135	2.055	13.9	19.2
11 17	0 57.42	+ 2 53.7	1.214	2.068	18.1	19.5

89153 2001 UF_{38} 10 13.1 49°.17 0°.6/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.48	+10 52.9	1.272	2.133	18.3	19.6
9 18	1 35.52	+10 40.2	1.226	2.152	13.8	19.4
9 28	1 27.85	+10 11.4	1.199	2.171	8.7	19.2
10 8	1 18.51	+ 9 30.9	1.196	2.191	3.1	18.9
10 18	1 8.81	+ 8 45.3	1.218	2.211	2.6	18.9
10 28	1 0.17	+ 8 2.5	1.266	2.232	7.8	19.3
11 7	0 53.72	+ 7 29.8	1.338	2.253	12.5	19.6
11 17	0 50.06	+ 7 11.6	1.431	2.275	16.4	19.9

165031 2000 DB_{27} 10 13.1 282°.96 0°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.08	+11 51.9	1.858	2.698	14.3	20.6
9 18	1 32.68	+11 32.3	1.766	2.681	11.0	20.4
9 28	1 26.10	+10 58.7	1.696	2.663	7.0	20.1
10 8	1 17.98	+10 13.5	1.652	2.646	2.7	19.8
10 18	1 9.19	+ 9 21.4	1.635	2.629	2.1	19.7
10 28	1 0.81	+ 8 28.7	1.647	2.611	6.6	20.0
11 7	0 53.83	+ 7 42.0	1.685	2.594	10.8	20.2
11 17	0 49.00	+ 7 6.8	1.746	2.576	14.5	20.4

86219 1999 TR_{37} 10 13.1 10°.04 5°.3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.11	+23 49.5	1.887	2.679	15.9	18.7
9 18	1 31.92	+24 6.2	1.809	2.680	13.1	18.5
9 28	1 25.59	+24 2.0	1.752	2.682	9.9	18.3
10 8	1 17.78	+23 36.5	1.718	2.684	6.8	18.1
10 18	1 9.43	+22 51.7	1.709	2.686	5.3	18.0
10 28	1 1.63	+21 52.8	1.728	2.689	6.7	18.1
11 7	0 55.35	+20 47.5	1.773	2.692	9.7	18.3
11 17	0 51.25	+19 43.6	1.842	2.696	12.8	18.5

273707 2007 EQ_{59} 10 13.1 182°.85 1°.8/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.79	+ 5 14.3	1.935	2.785	13.4	21.3
9 18	1 34.38	+ 4 33.4	1.862	2.786	10.0	21.1
9 28	1 26.96	+ 3 44.1	1.813	2.786	6.1	20.9
10 8	1 18.22	+ 2 51.2	1.791	2.786	2.3	20.7
10 18	1 9.03	+ 2 0.4	1.797	2.785	3.4	20.7
10 28	1 0.42	+ 1 17.5	1.832	2.783	7.3	21.0
11 7	0 53.26	+ 0 47.5	1.894	2.781	11.0	21.2
11 17	0 48.17	+ 0 33.0	1.979	2.779	14.2	21.4

487441 2014 RM_{37} 10 13.1 358°.70 4°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 31.67	+ 0 14.6	2.059	2.929	11.9	21.0
9 18	1 28.20	− 1 17.1	1.994	2.928	8.8	20.8
9 28	1 23.07	− 2 54.2	1.954	2.927	5.7	20.6
10 8	1 16.88	− 4 29.6	1.942	2.927	4.0	20.5
10 18	1 10.34	− 5 55.8	1.958	2.927	5.5	20.6
10 28	1 4.27	− 7 5.9	2.001	2.927	8.5	20.8
11 7	0 59.40	− 7 55.8	2.070	2.928	11.6	21.0
11 17	0 56.23	− 8 23.7	2.161	2.929	14.2	21.2

354354 2003 GV_{53} 10 13.1 239°.16 2°.1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.80	− 2 36.7	4.437	5.289	6.4	20.4
9 18	1 25.24	− 3 6.1	4.363	5.287	4.7	20.3
9 28	1 20.91	− 3 35.9	4.316	5.285	3.1	20.2
10 8	1 16.09	− 4 3.9	4.299	5.283	2.1	20.1
10 18	1 11.11	− 4 27.7	4.312	5.280	2.8	20.2
10 28	1 6.33	− 4 45.4	4.354	5.278	4.4	20.3
11 7	1 2.09	− 4 55.6	4.425	5.276	6.0	20.4
11 17	0 58.65	− 4 57.3	4.520	5.274	7.5	20.5

204619 2005 LB_{37} 10 13.1 5°.09 3°.6/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 29.10	+28 42.3	3.927	4.656	9.3	19.7
9 18	1 25.68	+28 23.5	3.833	4.656	7.8	19.6
9 28	1 21.26	+27 51.2	3.761	4.657	6.2	19.5
10 8	1 16.22	+27 6.0	3.715	4.658	4.6	19.4
10 18	1 10.98	+26 9.6	3.698	4.659	3.6	19.3
10 28	1 6.00	+25 4.7	3.710	4.660	4.0	19.4
11 7	1 1.72	+23 55.0	3.752	4.661	5.4	19.5
11 17	0 58.47	+22 44.5	3.822	4.662	7.1	19.6

321398 2009 PH_{16} 10 13.1 257°.33 2°.0/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 33.37	+ 4 52.2	2.313	3.167	11.3	20.8
9 18	1 29.35	+ 3 48.6	2.233	3.160	8.4	20.6
9 28	1 23.76	+ 2 36.9	2.178	3.152	5.1	20.4
10 8	1 17.12	+ 1 21.9	2.151	3.145	2.3	20.2
10 18	1 10.11	+ 0 9.5	2.153	3.137	3.4	20.3
10 28	1 3.49	− 0 54.2	2.184	3.129	6.7	20.5
11 7	0 57.96	− 1 44.7	2.242	3.121	9.9	20.7
11 17	0 54.04	− 2 19.1	2.324	3.113	12.7	20.8

387762 2003 SQ_{177} 10 13.1 19°.09 1°.7/11.8 18

9 8	1 33.26	+ 7 35.5	1.164	2.048	18.0	19.7
9 18	1 30.36	+ 6 46.9	1.117	2.057	13.4	19.5
9 28	1 24.79	+ 5 43.5	1.089	2.068	8.1	19.2
10 8	1 17.51	+ 4 32.9	1.083	2.080	2.8	19.0
10 18	1 9.79	+ 3 24.8	1.102	2.093	3.9	19.1
10 28	1 3.02	+ 2 28.7	1.145	2.107	9.1	19.4
11 7	0 58.29	+ 1 51.8	1.211	2.123	13.8	19.7
11 17	0 56.23	+ 1 37.1	1.296	2.140	17.8	20.0

12701 Chénier 10 13.1 195°.44 1°.6/14.4 18

9 8	1 42.50	+13 40.7	1.905	2.728	14.7	18.9
9 18	1 36.60	+13 36.3	1.822	2.726	11.3	18.7
9 28	1 28.46	+13 17.7	1.762	2.723	7.5	18.4
10 8	1 18.78	+12 46.8	1.728	2.719	3.3	18.2
10 18	1 8.51	+12 7.0	1.723	2.715	2.3	18.1
10 28	0 58.78	+11 23.8	1.746	2.711	6.3	18.4
11 7	0 50.61	+10 43.7	1.797	2.705	10.3	18.6
11 17	0 44.70	+10 11.8	1.872	2.699	13.8	18.8

169766 2002 PJ_{71} 10 13.1 45°.56 2°.4/10.8 18

9 8	1 34.44	+ 7 10.0	1.460	2.331	15.8	19.7
9 18	1 30.70	+ 5 42.4	1.413	2.348	11.6	19.5
9 28	1 24.75	+ 4 2.0	1.388	2.365	7.0	19.3
10 8	1 17.46	+ 2 17.5	1.388	2.383	2.8	19.1
10 18	1 9.88	+ 0 39.0	1.415	2.402	4.3	19.2
10 28	1 3.14	− 0 44.1	1.469	2.421	8.7	19.5
11 7	0 58.13	− 1 45.2	1.547	2.440	12.7	19.8
11 17	0 55.39	− 2 21.9	1.647	2.460	16.1	20.1

67640 2000 SW_{216} 10 13.1 49°.22 6°.2/ 9.1 18

9 8	1 40.17	− 1 19.9	1.043	1.936	18.9	18.2
9 18	1 35.49	− 2 37.7	1.013	1.957	14.1	18.0
9 28	1 27.87	− 3 57.9	1.002	1.979	9.2	17.8
10 8	1 18.51	− 5 8.8	1.014	2.001	6.2	17.7
10 18	1 8.95	− 6 0.0	1.049	2.024	8.1	17.9
10 28	1 0.72	− 6 24.5	1.107	2.047	12.3	18.2
11 7	0 54.94	− 6 20.5	1.186	2.071	16.4	18.5
11 17	0 52.15	− 5 50.4	1.284	2.095	19.9	18.8

227035 2005 AG_{35} 10 13.1 308°.13 4°.1/ 8.8 18

9 8	1 33.83	− 1 43.7	2.105	2.973	11.7	19.9
9 18	1 29.86	− 2 43.7	2.029	2.961	8.8	19.7
9 28	1 24.16	− 3 47.0	1.977	2.949	5.8	19.5
10 8	1 17.29	− 4 47.6	1.952	2.937	4.1	19.4
10 18	1 9.99	− 5 39.5	1.955	2.925	5.5	19.4
10 28	1 3.11	− 6 17.1	1.986	2.914	8.4	19.6
11 7	0 57.42	− 6 37.1	2.041	2.903	11.5	19.8
11 17	0 53.49	− 6 38.1	2.118	2.892	14.3	19.9

120628 1996 FO_{21} 10 13.1 223°.65 0°.8/12.1 18

9 8	1 34.68	+ 7 27.4	2.696	3.535	10.4	21.1
9 18	1 30.14	+ 6 48.0	2.609	3.526	7.7	20.9
9 28	1 24.18	+ 6 0.6	2.547	3.518	4.7	20.7
10 8	1 17.28	+ 5 8.7	2.513	3.508	1.6	20.4
10 18	1 10.03	+ 4 16.1	2.509	3.499	2.2	20.5
10 28	1 3.10	+ 3 27.5	2.535	3.489	5.3	20.7
11 7	0 57.13	+ 2 46.8	2.589	3.478	8.4	20.9
11 17	0 52.60	+ 2 17.0	2.668	3.468	11.0	21.0

311698 2006 SW_{142} 10 13.1 336°.57 2°.6/14.8 17

9 8	1 37.15	+13 19.7	1.445	2.296	17.1	20.5
9 18	1 33.36	+13 47.6	1.362	2.279	13.4	20.2
9 28	1 26.86	+14 1.0	1.299	2.264	9.0	19.9
10 8	1 18.36	+14 0.2	1.258	2.249	4.4	19.6
10 18	1 8.95	+13 47.6	1.243	2.236	3.1	19.5
10 28	1 0.03	+13 28.4	1.254	2.223	7.5	19.8
11 7	0 52.92	+13 9.2	1.289	2.212	12.2	20.0
11 17	0 48.52	+12 56.5	1.345	2.202	16.5	20.2

124103 2001 HO_{43} 10 13.1 107°.46 0°.1/13.2 18

9 8	1 36.18	+ 9 55.7	2.549	3.380	11.1	20.5
9 18	1 31.21	+ 9 34.9	2.482	3.394	8.4	20.3
9 28	1 24.80	+ 9 5.6	2.440	3.407	5.2	20.1
10 8	1 17.48	+ 8 30.5	2.425	3.420	1.8	19.9
10 18	1 9.91	+ 7 52.9	2.440	3.432	1.6	19.9
10 28	1 2.80	+ 7 17.0	2.484	3.445	5.0	20.2
11 7	0 56.77	+ 6 46.6	2.557	3.457	8.0	20.4
11 17	0 52.29	+ 6 24.6	2.656	3.469	10.6	20.6

84692 2002 VT_{107} 10 13.1 33°.24 5°.5/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 36.62	+25 19.9	1.836	2.621	16.6	19.3
9 18	1 32.38	+25 25.1	1.759	2.624	13.7	19.1
9 28	1 25.91	+25 7.0	1.702	2.628	10.4	18.9
10 8	1 17.94	+24 25.2	1.667	2.631	7.2	18.7
10 18	1 9.45	+23 22.3	1.659	2.635	5.5	18.7
10 28	1 1.55	+22 4.5	1.678	2.639	6.9	18.7
11 7	0 55.25	+20 40.7	1.723	2.643	9.9	18.9
11 17	0 51.22	+19 19.6	1.792	2.647	13.1	19.1

37945 1998 HP_{19} 10 13.1 54°.35 2°.6/14.8 18

9 8	1 43.96	+13 45.1	1.498	2.333	17.3	18.5
9 18	1 37.98	+14 16.0	1.441	2.349	13.4	18.3
9 28	1 29.39	+14 31.6	1.405	2.366	8.9	18.1
10 8	1 19.11	+14 32.8	1.394	2.383	4.4	17.9
10 18	1 8.38	+14 22.0	1.409	2.401	3.1	17.9
10 28	0 58.55	+14 4.8	1.452	2.419	7.0	18.1
11 7	0 50.76	+13 47.4	1.520	2.436	11.3	18.4
11 17	0 45.68	+13 35.3	1.611	2.454	14.9	18.7

374728 2006 SN_{69} 10 13.1 351°.55 1°.6/12.0 18

9 8	1 32.96	+ 8 3.5	1.042	1.932	19.2	20.7
9 18	1 30.66	+ 7 21.4	0.981	1.924	14.4	20.4
9 28	1 25.31	+ 6 20.9	0.938	1.918	8.9	20.1
10 8	1 17.83	+ 5 9.4	0.917	1.913	3.0	19.7
10 18	1 9.55	+ 3 57.1	0.918	1.910	4.1	19.8
10 28	1 2.14	+ 2 55.7	0.943	1.908	10.1	20.1
11 7	0 56.96	+ 2 14.5	0.988	1.907	15.5	20.4
11 17	0 54.84	+ 1 58.3	1.052	1.908	20.1	20.7

4020 Dominique 10 13.1 3°.75 0°.6/12.6 18

9 8	1 31.87	+11 9.4	1.478	2.342	16.0	16.5
9 18	1 29.00	+10 4.7	1.412	2.342	12.0	16.2
9 28	1 23.88	+ 8 41.7	1.367	2.342	7.4	16.0
10 8	1 17.25	+ 7 6.8	1.347	2.343	2.4	15.7
10 18	1 10.13	+ 5 29.0	1.352	2.345	2.9	15.7
10 28	1 3.68	+ 3 58.5	1.385	2.347	7.8	16.0
11 7	0 58.88	+ 2 44.2	1.442	2.351	12.3	16.3
11 17	0 56.36	+ 1 51.4	1.520	2.355	16.1	16.5

366987 2005 YV_{41} 10 13.1 236°.13 4°.8/ 7.7 18

9 8	1 35.39	− 5 42.0	2.321	3.184	11.0	20.7
9 18	1 30.81	− 6 40.6	2.254	3.180	8.4	20.6
9 28	1 24.65	− 7 38.7	2.213	3.177	5.9	20.4
10 8	1 17.46	− 8 30.7	2.198	3.173	4.8	20.3
10 18	1 9.93	− 9 11.1	2.212	3.169	6.0	20.4
10 28	1 2.85	− 9 35.9	2.254	3.165	8.5	20.6
11 7	0 56.91	− 9 42.8	2.320	3.160	11.1	20.7
11 17	0 52.62	− 9 31.6	2.409	3.156	13.5	20.9

509290 2006 VV_{58} 10 13.1 298°.56 2°.6/11.3 18

9 8	1 38.32	+ 4 35.1	1.382	2.255	16.4	22.0
9 18	1 34.27	+ 3 56.9	1.300	2.235	12.4	21.7
9 28	1 27.45	+ 3 7.2	1.239	2.216	7.7	21.3
10 8	1 18.58	+ 2 12.0	1.201	2.196	3.2	21.0
10 18	1 8.80	+ 1 19.1	1.189	2.177	4.6	21.1
10 28	0 59.56	+ 0 37.2	1.202	2.158	9.7	21.3
11 7	0 52.17	+ 0 13.3	1.239	2.139	14.6	21.5
11 17	0 47.54	+ 0 10.8	1.295	2.121	18.9	21.8

291484 2006 DK_{102} 10 13.1 191°.18 1°.0/11.9 18

9 8	1 34.64	+ 6 19.6	2.869	3.708	9.8	21.3
9 18	1 29.99	+ 5 44.8	2.789	3.707	7.3	21.1
9 28	1 24.04	+ 5 3.7	2.734	3.705	4.4	20.9
10 8	1 17.24	+ 4 19.4	2.707	3.703	1.6	20.7
10 18	1 10.15	+ 3 35.4	2.711	3.700	2.2	20.8
10 28	1 3.40	+ 2 55.7	2.745	3.698	5.1	21.0
11 7	0 57.56	+ 2 23.7	2.808	3.694	7.9	21.1
11 17	0 53.07	+ 2 1.7	2.896	3.691	10.3	21.3

443432 2014 HZ_{130} 10 13.1 101°.50 0°.2/13.2 18

9 8	1 36.48	+11 7.0	1.949	2.789	13.7	21.5
9 18	1 31.91	+10 30.6	1.879	2.796	10.3	21.3
9 28	1 25.44	+ 9 41.3	1.833	2.802	6.5	21.0
10 8	1 17.75	+ 8 43.1	1.813	2.809	2.3	20.8
10 18	1 9.69	+ 7 41.1	1.822	2.815	2.1	20.8
10 28	1 2.20	+ 6 42.0	1.859	2.821	6.2	21.1
11 7	0 56.11	+ 5 51.6	1.922	2.827	10.0	21.3
11 17	0 51.98	+ 5 14.3	2.010	2.833	13.2	21.5

407070 2009 SH_{192} 10 13.1 48°.11 1°.7/14.7 18

9 8	1 36.67	+14 16.8	1.980	2.809	13.9	20.8
9 18	1 32.02	+14 10.0	1.915	2.821	10.7	20.6
9 28	1 25.49	+13 49.4	1.872	2.833	7.1	20.4
10 8	1 17.76	+13 17.4	1.855	2.845	3.3	20.2
10 18	1 9.68	+12 37.5	1.865	2.858	2.2	20.2
10 28	1 2.19	+11 55.3	1.904	2.871	5.7	20.4
11 7	0 56.11	+11 16.2	1.970	2.884	9.2	20.7
11 17	0 51.98	+10 44.9	2.061	2.897	12.4	20.9

401939 2002 EH_{51} 10 13.1 320°.13 2°.5/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 38.48	+15 43.8	2.097	2.914	13.7	21.2
9 18	1 33.46	+15 56.0	2.015	2.912	10.7	21.0
9 28	1 26.47	+15 54.9	1.955	2.910	7.3	20.8
10 8	1 18.14	+15 41.2	1.921	2.908	3.9	20.6
10 18	1 9.30	+15 17.3	1.915	2.906	2.7	20.5
10 28	1 0.92	+14 47.5	1.938	2.904	5.7	20.7
11 7	0 53.88	+14 16.9	1.988	2.902	9.2	20.9
11 17	0 48.80	+13 50.7	2.063	2.900	12.4	21.1

351131 2003 WL_{112} 10 13.1 344°.34 3°.6/15.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 31.23	+16 14.5	1.166	2.030	19.4	20.7
9 18	1 29.37	+16 30.2	1.089	2.013	15.4	20.4
9 28	1 24.60	+16 23.4	1.031	1.996	10.7	20.0
10 8	1 17.65	+15 54.3	0.993	1.982	5.8	19.7
10 18	1 9.73	+15 6.8	0.977	1.969	3.9	19.6
10 28	1 2.40	+14 9.4	0.985	1.958	8.2	19.8
11 7	0 57.13	+13 13.0	1.015	1.950	13.4	20.1
11 17	0 54.85	+12 27.0	1.064	1.943	18.2	20.3

111436 2001 XU_{218} 10 13.1 59°.34 0°.2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.14	+10 6.7	1.927	2.770	13.7	20.0
9 18	1 32.44	+ 9 46.5	1.857	2.775	10.3	19.8
9 28	1 25.80	+ 9 14.8	1.811	2.780	6.5	19.6
10 8	1 17.90	+ 8 35.1	1.790	2.785	2.3	19.3
10 18	1 9.59	+ 7 51.8	1.797	2.790	2.1	19.3
10 28	1 1.85	+ 7 10.7	1.833	2.796	6.2	19.6
11 7	0 55.53	+ 6 37.0	1.895	2.801	10.0	19.9
11 17	0 51.20	+ 6 14.5	1.981	2.806	13.3	20.1

324303 2006 DK_{111} 10 13.1 190°.49 0°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.63	+12 5.7	2.662	3.485	11.0	21.3
9 18	1 30.88	+11 49.3	2.579	3.484	8.3	21.1
9 28	1 24.66	+11 23.1	2.520	3.483	5.3	21.0
10 8	1 17.49	+10 49.3	2.489	3.482	2.1	20.7
10 18	1 9.97	+10 10.9	2.487	3.480	1.5	20.7
10 28	1 2.82	+ 9 32.0	2.516	3.479	4.7	20.9
11 7	0 56.68	+ 8 56.6	2.573	3.477	7.8	21.1
11 17	0 52.03	+ 8 28.3	2.655	3.474	10.5	21.3

122134 2000 JF_{35} 10 13.1 121°.06 2°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.83	+ 2 59.6	1.681	2.539	14.7	20.3
9 18	1 36.09	+ 2 29.2	1.620	2.547	10.9	20.1
9 28	1 28.11	+ 1 52.6	1.582	2.556	6.7	19.8
10 8	1 18.69	+ 1 15.0	1.570	2.564	2.9	19.6
10 18	1 8.87	+ 0 42.1	1.586	2.572	4.1	19.7
10 28	0 59.80	+ 0 19.5	1.629	2.579	8.1	20.0
11 7	0 52.45	+ 0 11.0	1.698	2.586	12.0	20.2
11 17	0 47.45	+ 0 18.3	1.789	2.593	15.3	20.5

471503 2011 YJ_{71} 10 13.1 285°.66 5°.6/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 29.19	−22 57.9	4.387	5.214	6.9	21.1
9 18	1 25.62	−23 52.8	4.340	5.210	6.1	21.0
9 28	1 21.20	−24 40.5	4.319	5.206	5.6	21.0
10 8	1 16.27	−25 17.7	4.324	5.202	5.8	21.0
10 18	1 11.16	−25 42.0	4.355	5.197	6.4	21.1
10 28	1 6.29	−25 52.0	4.411	5.193	7.3	21.1
11 7	1 2.02	−25 47.2	4.490	5.189	8.3	21.2
11 17	0 58.63	−25 28.3	4.588	5.185	9.3	21.3

219089 1998 QF_{110} 10 13.1 49°.72 0°.3/13.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.06	+ 9 15.3	1.155	2.020	19.5	19.7
9 18	1 38.33	+ 9 17.2	1.116	2.045	14.6	19.5
9 28	1 29.65	+ 9 4.5	1.097	2.070	9.1	19.3
10 8	1 19.20	+ 8 41.4	1.101	2.096	3.2	19.0
10 18	1 8.49	+ 8 14.0	1.129	2.123	2.8	19.1
10 28	0 59.07	+ 7 49.4	1.183	2.150	8.3	19.5
11 7	0 52.13	+ 7 34.2	1.261	2.177	13.1	19.9
11 17	0 48.24	+ 7 32.0	1.359	2.204	17.1	20.2

520413 2014 JU_{88} 10 13.1 129°.76 1°.5/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.20	+ 6 31.2	1.954	2.807	13.1	21.6
9 18	1 31.70	+ 5 41.9	1.885	2.810	9.8	21.4
9 28	1 25.32	+ 4 42.9	1.839	2.813	5.9	21.1
10 8	1 17.74	+ 3 39.3	1.821	2.816	2.2	20.9
10 18	1 9.77	+ 2 37.2	1.830	2.819	3.1	21.0
10 28	1 2.36	+ 1 42.8	1.868	2.822	7.0	21.2
11 7	0 56.31	+ 1 1.4	1.933	2.824	10.6	21.5
11 17	0 52.18	+ 0 36.0	2.020	2.827	13.7	21.7

190243 2007 EJ_{36} 10 13.1 130°.43 3°.8/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.18	− 5 0.8	2.715	3.568	9.9	20.4
9 18	1 31.83	− 5 42.2	2.659	3.580	7.4	20.2
9 28	1 25.13	− 6 22.7	2.628	3.592	5.1	20.1
10 8	1 17.62	− 6 57.9	2.626	3.604	3.9	20.0
10 18	1 9.91	− 7 24.1	2.654	3.615	4.8	20.1
10 28	1 2.66	− 7 38.2	2.710	3.626	7.1	20.3
11 7	0 56.46	− 7 38.6	2.794	3.637	9.4	20.5
11 17	0 51.73	− 7 25.2	2.901	3.647	11.4	20.6

281231 2007 JO_6 10 13.1 41°.88 1°.7/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 40.68	+ 5 22.3	1.269	2.141	17.6	20.4
9 18	1 35.63	+ 5 3.9	1.227	2.161	13.1	20.2
9 28	1 27.93	+ 4 35.9	1.205	2.182	7.9	20.0
10 8	1 18.62	+ 4 4.1	1.207	2.203	2.8	19.7
10 18	1 9.02	+ 3 34.8	1.234	2.225	3.7	19.8
10 28	1 0.51	+ 3 14.8	1.287	2.247	8.6	20.2
11 7	0 54.15	+ 3 8.4	1.364	2.270	13.1	20.5
11 17	0 50.53	+ 3 17.7	1.461	2.294	16.7	20.8

434295 2004 CK_{83} 10 13.1 281°.74 2°.4/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.49	+ 5 32.3	1.517	2.382	15.6	21.7
9 18	1 34.24	+ 4 42.1	1.428	2.360	11.8	21.5
9 28	1 27.38	+ 3 38.7	1.361	2.337	7.3	21.1
10 8	1 18.59	+ 2 28.0	1.318	2.313	2.9	20.8
10 18	1 8.90	+ 1 18.1	1.302	2.290	4.4	20.9
10 28	0 59.66	+ 0 18.1	1.312	2.266	9.3	21.1
11 7	0 52.11	− 0 24.4	1.347	2.242	14.1	21.3
11 17	0 47.13	− 0 45.0	1.402	2.218	18.2	21.5

100336 1995 SQ_{18} 10 13.1 100°.84 0°.4/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.25	+11 17.5	1.283	2.141	18.4	20.3
9 18	1 36.40	+10 53.4	1.221	2.145	14.0	20.1
9 28	1 28.65	+10 11.4	1.178	2.150	8.8	19.8
10 8	1 18.96	+ 9 15.9	1.159	2.154	3.2	19.5
10 18	1 8.64	+ 8 14.1	1.165	2.158	2.7	19.5
10 28	0 59.23	+ 7 15.2	1.197	2.163	8.3	19.8
11 7	0 51.99	+ 6 28.0	1.253	2.167	13.3	20.1
11 17	0 47.68	+ 5 58.0	1.329	2.171	17.6	20.4

407577 2011 AT_{20} 10 13.1 342°.36 4°.7/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.47	+20 52.7	1.770	2.581	16.1	21.0
9 18	1 31.68	+21 16.1	1.685	2.572	13.1	20.7
9 28	1 25.62	+21 20.4	1.621	2.563	9.6	20.5
10 8	1 17.93	+21 5.0	1.580	2.555	6.3	20.3
10 18	1 9.56	+20 31.7	1.565	2.547	4.7	20.2
10 28	1 1.67	+19 45.3	1.576	2.541	6.8	20.3
11 7	0 55.29	+18 53.3	1.613	2.535	10.3	20.5
11 17	0 51.20	+18 3.2	1.673	2.530	13.8	20.7

483733 2005 TM_{170} 10 13.1 286°.44 1°.5/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.66	+12 53.9	2.066	2.894	13.5	22.1
9 18	1 33.69	+13 0.6	1.975	2.881	10.4	21.8
9 28	1 26.70	+12 55.6	1.907	2.869	6.9	21.6
10 8	1 18.28	+12 40.2	1.866	2.857	3.1	21.3
10 18	1 9.26	+12 17.0	1.852	2.845	2.2	21.3
10 28	1 0.62	+11 50.3	1.867	2.833	5.9	21.5
11 7	0 53.30	+11 25.4	1.910	2.820	9.7	21.7
11 17	0 47.96	+11 6.6	1.976	2.808	13.0	21.9

336775 2011 BG_{64} 10 13.1 88°.11 4°.4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.30	+20 37.0	1.572	2.383	17.8	20.8
9 18	1 36.06	+20 45.7	1.508	2.396	14.2	20.6
9 28	1 28.28	+20 32.2	1.463	2.408	10.2	20.4
10 8	1 18.82	+19 56.9	1.442	2.421	6.2	20.2
10 18	1 8.86	+19 3.5	1.448	2.433	4.5	20.1
10 28	0 59.71	+17 59.1	1.480	2.445	7.0	20.3
11 7	0 52.49	+16 52.8	1.538	2.458	10.9	20.6
11 17	0 47.89	+15 53.0	1.619	2.469	14.5	20.8

420654 2012 JU_{23} 10 13.1 144°.55 8°.2/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.66	−10 50.8	1.602	2.469	14.8	20.6
9 18	1 36.81	−12 2.9	1.553	2.474	11.7	20.4
9 28	1 28.59	−13 8.6	1.526	2.480	9.1	20.3
10 8	1 18.89	−13 58.7	1.525	2.484	8.2	20.3
10 18	1 8.83	−14 26.0	1.549	2.489	9.6	20.4
10 28	0 59.62	−14 26.2	1.598	2.493	12.4	20.5
11 7	0 52.26	−13 59.4	1.669	2.497	15.3	20.7
11 17	0 47.37	−13 8.4	1.760	2.500	18.0	21.0

12704 Tupolev 10 13.1 40°.89 0°.8/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.19	+11 51.5	1.395	2.250	17.3	17.0
9 18	1 33.73	+11 35.0	1.344	2.267	13.1	16.8
9 28	1 26.78	+11 2.3	1.314	2.284	8.3	16.6
10 8	1 18.29	+10 17.6	1.307	2.302	3.2	16.3
10 18	1 9.41	+ 9 27.0	1.326	2.320	2.4	16.3
10 28	1 1.45	+ 8 38.2	1.372	2.339	7.3	16.7
11 7	0 55.43	+ 7 58.6	1.442	2.358	11.7	17.0
11 17	0 51.97	+ 7 32.8	1.534	2.378	15.5	17.3

206038 2002 QL_{29} 10 13.1 31°.35 0°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.39	+10 47.3	1.696	2.540	15.2	20.0
9 18	1 34.43	+10 44.8	1.626	2.543	11.6	19.8
9 28	1 27.20	+10 29.8	1.578	2.546	7.4	19.6
10 8	1 18.46	+10 5.0	1.555	2.549	2.8	19.3
10 18	1 9.20	+ 9 34.4	1.559	2.553	2.2	19.3
10 28	1 0.58	+ 9 3.8	1.591	2.557	6.7	19.6
11 7	0 53.61	+ 8 38.8	1.649	2.561	10.9	19.8
11 17	0 48.95	+ 8 23.9	1.730	2.565	14.5	20.1

54859 2001 OG_{24} 10 13.1 124°.64 2°.2/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 39.95	+ 5 25.2	1.765	2.619	14.3	19.6
9 18	1 34.57	+ 4 25.5	1.707	2.633	10.6	19.4
9 28	1 27.11	+ 3 16.5	1.673	2.647	6.4	19.2
10 8	1 18.38	+ 2 4.6	1.665	2.660	2.6	19.0
10 18	1 9.32	+ 0 56.6	1.686	2.672	3.8	19.1
10 28	1 1.00	− 0 0.2	1.735	2.684	7.8	19.4
11 7	0 54.29	− 0 40.8	1.809	2.695	11.6	19.6
11 17	0 49.76	− 1 2.9	1.907	2.706	14.7	19.9

41824 2000 WQ_{48} 10 13.1 290°.72 3°.1/15.9 18

9 8	1 36.50	+18 27.4	1.710	2.532	16.1	18.9
9 18	1 32.54	+18 14.7	1.618	2.517	12.8	18.6
9 28	1 26.21	+17 41.4	1.548	2.501	8.9	18.3
10 8	1 18.18	+16 48.3	1.501	2.486	4.9	18.1
10 18	1 9.41	+15 39.3	1.481	2.471	3.3	17.9
10 28	1 1.11	+14 21.8	1.488	2.456	6.7	18.1
11 7	0 54.36	+13 4.8	1.521	2.441	11.0	18.3
11 17	0 49.97	+11 56.7	1.577	2.426	14.9	18.5

4543 Phoinix 10 13.1 339°.85 3°.4/18.9 18

9 8	1 31.48	+25 23.3	3.936	4.682	9.0	16.6
9 18	1 27.51	+25 36.0	3.840	4.679	7.5	16.5
9 28	1 22.50	+25 37.6	3.768	4.675	5.8	16.4
10 8	1 16.78	+25 28.3	3.722	4.672	4.3	16.3
10 18	1 10.80	+25 8.9	3.705	4.669	3.4	16.2
10 28	1 5.03	+24 41.3	3.717	4.666	4.0	16.3
11 7	0 59.93	+24 8.5	3.757	4.664	5.5	16.4
11 17	0 55.86	+23 33.5	3.825	4.661	7.2	16.5

23820 1998 QT_{69} 10 13.1 114°.80 2°.4/15.7 18

9 8	1 37.34	+18 49.8	2.006	2.815	14.5	19.2
9 18	1 32.54	+18 12.0	1.937	2.828	11.4	19.0
9 28	1 25.85	+17 15.4	1.889	2.841	7.8	18.8
10 8	1 17.96	+16 2.9	1.867	2.853	4.1	18.6
10 18	1 9.74	+14 39.5	1.874	2.865	2.6	18.5
10 28	1 2.14	+13 12.6	1.910	2.877	5.6	18.8
11 7	0 55.99	+11 49.8	1.974	2.888	9.2	19.0
11 17	0 51.82	+10 37.6	2.063	2.899	12.4	19.2

118198 1994 UA_{10} 10 13.1 164°.24 1°.1/14.1 18

9 8	1 41.16	+13 1.5	1.980	2.805	14.1	20.9
9 18	1 35.46	+12 42.9	1.905	2.811	10.8	20.7
9 28	1 27.72	+12 10.6	1.853	2.815	7.0	20.5
10 8	1 18.62	+11 27.2	1.827	2.820	2.9	20.3
10 18	1 9.09	+10 37.0	1.830	2.823	2.0	20.2
10 28	1 0.14	+ 9 45.9	1.862	2.826	6.0	20.5
11 7	0 52.67	+ 9 0.0	1.922	2.828	9.9	20.7
11 17	0 47.31	+ 8 24.0	2.006	2.830	13.2	20.9

163870 2003 SG_{137} 10 13.1 347°.23 0°.1/13.1 18

9 8	1 32.54	+10 11.5	1.237	2.113	17.7	19.4
9 18	1 30.06	+ 9 48.2	1.167	2.102	13.5	19.1
9 28	1 24.87	+ 9 7.3	1.116	2.092	8.5	18.8
10 8	1 17.75	+ 8 13.5	1.087	2.083	3.0	18.5
10 18	1 9.87	+ 7 13.9	1.082	2.076	2.8	18.5
10 28	1 2.66	+ 6 18.2	1.101	2.070	8.5	18.8
11 7	0 57.38	+ 5 35.1	1.143	2.065	13.6	19.1
11 17	0 54.84	+ 5 10.4	1.206	2.062	18.0	19.3

134347 1992 RV_{3} 10 13.1 16°.38 3°.3/15.2 18

9 8	1 37.03	+15 2.6	1.008	1.877	21.3	18.7
9 18	1 33.83	+15 22.8	0.956	1.882	16.7	18.5
9 28	1 27.34	+15 19.6	0.921	1.889	11.2	18.2
10 8	1 18.60	+14 54.7	0.906	1.897	5.6	17.9
10 18	1 9.15	+14 13.3	0.914	1.906	3.8	17.9
10 28	1 0.77	+13 25.1	0.944	1.917	8.6	18.2
11 7	0 54.89	+12 40.7	0.997	1.929	13.9	18.5
11 17	0 52.33	+12 8.3	1.068	1.942	18.5	18.8

373877 2003 SQ_{139} 10 13.1 29°.92 6°.6/ 8.7 16

9 8	1 34.51	+ 0 0.0	0.880	1.789	20.0	19.2
9 18	1 31.73	− 1 38.4	0.852	1.805	14.8	19.0
9 28	1 25.80	− 3 21.7	0.843	1.823	9.6	18.8
10 8	1 17.97	− 4 55.6	0.854	1.843	6.6	18.7
10 18	1 9.85	− 6 6.5	0.888	1.864	8.8	18.9
10 28	1 3.05	− 6 45.5	0.942	1.887	13.3	19.2
11 7	0 58.73	− 6 50.4	1.016	1.910	17.7	19.6
11 17	0 57.44	− 6 24.1	1.107	1.934	21.3	19.9

6734 Benzenberg 10 13.1 6°.74 4°.6/ 9.5 18 R

9 8	1 38.61	− 3 42.4	1.796	2.663	13.4	16.0
9 18	1 33.63	− 4 11.6	1.734	2.664	10.1	15.8
9 28	1 26.60	− 4 40.7	1.695	2.665	6.8	15.6
10 8	1 18.25	− 5 3.8	1.682	2.666	4.6	15.5
10 18	1 9.49	− 5 15.9	1.696	2.668	5.9	15.5
10 28	1 1.37	− 5 12.8	1.737	2.670	9.0	15.7
11 7	0 54.78	− 4 52.8	1.802	2.673	12.4	16.0
11 17	0 50.32	− 4 16.1	1.890	2.676	15.3	16.2

412915 2014 QT_{137} 10 13.1 130°.15 2°.4/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 38.55	+17 49.6	2.762	3.554	11.4	21.8
9 18	1 33.01	+17 54.7	2.686	3.566	9.0	21.6
9 28	1 25.98	+17 47.8	2.634	3.579	6.2	21.5
10 8	1 18.00	+17 29.9	2.610	3.591	3.6	21.3
10 18	1 9.73	+17 3.0	2.615	3.602	2.5	21.2
10 28	1 1.88	+16 30.4	2.651	3.613	4.6	21.4
11 7	0 55.09	+15 56.4	2.715	3.624	7.2	21.6
11 17	0 49.86	+15 25.0	2.806	3.634	9.7	21.8

220201 2002 VK_{24} 10 13.1 307°.78 1°.3/12.2 18

9 8	1 37.31	+ 7 23.4	1.350	2.220	16.9	20.5
9 18	1 33.63	+ 6 53.7	1.267	2.200	12.8	20.2
9 28	1 27.15	+ 6 9.7	1.204	2.180	8.0	19.9
10 8	1 18.59	+ 5 16.2	1.165	2.161	2.7	19.5
10 18	1 9.10	+ 4 20.5	1.150	2.142	3.6	19.5
10 28	1 0.12	+ 3 31.5	1.161	2.123	9.1	19.8
11 7	0 53.01	+ 2 57.2	1.195	2.105	14.2	20.0
11 17	0 48.69	+ 2 42.6	1.250	2.087	18.7	20.2

171285 2006 FM_{49} 10 13.1 228°.30 4°.6/14.7 17

9 8	1 58.16	+12 44.3	1.195	2.025	21.1	20.2
9 18	1 50.22	+14 18.1	1.115	2.019	16.8	19.9
9 28	1 38.04	+15 42.3	1.055	2.013	11.6	19.5
10 8	1 22.51	+16 51.9	1.020	2.006	6.4	19.2
10 18	1 5.35	+17 43.0	1.010	1.998	5.1	19.2
10 28	0 48.91	+18 16.2	1.028	1.990	9.9	19.4
11 7	0 35.32	+18 37.4	1.071	1.982	15.3	19.7
11 17	0 25.92	+18 54.6	1.134	1.973	20.1	20.0

389476 2010 EL_{82} 10 13.1 355°.52 5°.0/ 8.0 18

9 8	1 33.66	+ 0 55.1	1.561	2.440	14.5	20.0
9 18	1 30.23	− 0 58.7	1.500	2.439	10.8	19.8
9 28	1 24.64	− 3 1.2	1.463	2.438	7.0	19.6
10 8	1 17.61	− 5 2.0	1.452	2.437	5.0	19.5
10 18	1 10.13	− 6 50.1	1.467	2.437	7.0	19.6
10 28	1 3.29	− 8 15.7	1.509	2.437	10.7	19.8
11 7	0 58.03	− 9 13.4	1.575	2.437	14.3	20.0
11 17	0 54.97	− 9 41.8	1.660	2.437	17.5	20.3

265225 2004 CZ_{104} 10 13.1 146°.13 3°.4/15.8 17

9 8	1 42.64	+17 42.7	1.696	2.511	16.5	20.3
9 18	1 37.01	+17 55.3	1.622	2.516	13.1	20.1
9 28	1 28.90	+17 49.9	1.570	2.521	9.1	19.9
10 8	1 19.10	+17 26.9	1.542	2.525	5.1	19.7
10 18	1 8.71	+16 49.1	1.541	2.530	3.6	19.6
10 28	0 59.00	+16 2.5	1.568	2.533	6.7	19.8
11 7	0 51.07	+15 14.7	1.621	2.537	10.7	20.0
11 17	0 45.65	+14 32.6	1.698	2.540	14.3	20.3

41939 2000 WQ_{186} 10 13.1 354°.58 2°.5/15.3 18

9 8	1 32.88	+17 18.1	1.334	2.183	18.3	18.2
9 18	1 30.17	+16 49.3	1.263	2.178	14.3	17.9
9 28	1 24.86	+15 55.5	1.211	2.175	9.7	17.6
10 8	1 17.75	+14 39.9	1.182	2.172	4.8	17.4
10 18	1 9.98	+13 9.2	1.178	2.170	2.9	17.2
10 28	1 2.92	+11 34.3	1.198	2.170	7.4	17.5
11 7	0 57.73	+10 6.7	1.243	2.170	12.3	17.8
11 17	0 55.16	+ 8 55.3	1.310	2.171	16.6	18.1

195621 2002 LN_{44} 10 13.1 212°.52 0°.8/12.4 18

9 8	1 39.56	+ 7 23.1	2.009	2.852	13.2	20.5
9 18	1 34.30	+ 6 58.3	1.928	2.848	9.9	20.2
9 28	1 27.04	+ 6 24.1	1.872	2.843	6.1	20.0
10 8	1 18.44	+ 5 44.3	1.842	2.837	2.1	19.7
10 18	1 9.34	+ 5 3.3	1.841	2.832	2.5	19.8
10 28	1 0.73	+ 4 26.6	1.868	2.826	6.6	20.0
11 7	0 53.50	+ 3 59.1	1.923	2.819	10.4	20.2
11 17	0 48.27	+ 3 44.1	2.001	2.812	13.7	20.4

295059 2008 EX_{117} 10 13.1 329°.13 0°.3/12.9 18

9 8	1 35.72	+ 9 44.6	1.843	2.692	14.0	21.5
9 18	1 31.58	+ 9 13.0	1.766	2.688	10.6	21.3
9 28	1 25.41	+ 8 29.0	1.712	2.684	6.6	21.0
10 8	1 17.88	+ 7 36.3	1.684	2.680	2.2	20.7
10 18	1 9.87	+ 6 40.5	1.684	2.676	2.3	20.7
10 28	1 2.37	+ 5 48.0	1.711	2.673	6.7	21.0
11 7	0 56.29	+ 5 5.0	1.764	2.670	10.6	21.2
11 17	0 52.25	+ 4 35.6	1.841	2.667	14.1	21.5

275366 2011 AM_{43} 10 13.1 246°.21 2°.9/15.4 18

9 8	1 40.69	+16 41.9	1.636	2.461	16.6	21.7
9 18	1 35.76	+16 43.5	1.552	2.453	13.1	21.5
9 28	1 28.26	+16 26.6	1.488	2.444	9.0	21.2
10 8	1 18.93	+15 51.9	1.449	2.436	4.7	20.9
10 18	1 8.85	+15 2.8	1.436	2.427	3.2	20.8
10 28	0 59.31	+14 6.1	1.450	2.417	7.0	21.0
11 7	0 51.50	+13 10.1	1.491	2.408	11.4	21.3
11 17	0 46.24	+12 22.1	1.554	2.399	15.3	21.5

209216 2003 WK_{30} 10 13.1 326°.65 1°.0/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 36.28	+11 7.3	1.415	2.275	16.8	20.1
9 18	1 32.79	+11 8.3	1.330	2.255	13.0	19.8
9 28	1 26.60	+10 54.4	1.265	2.236	8.4	19.5
10 8	1 18.41	+10 27.7	1.223	2.218	3.3	19.2
10 18	1 9.31	+ 9 52.6	1.207	2.200	2.5	19.1
10 28	1 0.69	+ 9 16.2	1.215	2.184	7.8	19.4
11 7	0 53.85	+ 8 45.9	1.248	2.168	12.8	19.6
11 17	0 49.70	+ 8 27.9	1.302	2.154	17.2	19.8

188375 2004 CT_{6} 10 13.1 254°.48 0°.6/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.19	+ 9 19.7	1.657	2.507	15.2	21.4
9 18	1 34.53	+ 8 40.8	1.571	2.493	11.6	21.2
9 28	1 27.45	+ 7 47.2	1.507	2.479	7.2	20.9
10 8	1 18.65	+ 6 43.4	1.468	2.464	2.4	20.6
10 18	1 9.13	+ 5 35.7	1.457	2.449	2.8	20.6
10 28	1 0.10	+ 4 32.3	1.474	2.434	7.7	20.8
11 7	0 52.69	+ 3 40.7	1.516	2.418	12.3	21.1
11 17	0 47.67	+ 3 6.0	1.580	2.402	16.2	21.3

378613 2008 FE_{41} 10 13.1 245°.61 2°.3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.45	+ 4 46.4	1.668	2.526	14.8	21.3
9 18	1 35.41	+ 4 4.0	1.586	2.514	11.1	21.1
9 28	1 27.96	+ 3 11.7	1.527	2.501	6.9	20.8
10 8	1 18.82	+ 2 14.7	1.493	2.488	2.8	20.5
10 18	1 8.99	+ 1 20.0	1.487	2.475	4.0	20.6
10 28	0 59.69	+ 0 34.8	1.509	2.461	8.5	20.8
11 7	0 52.01	+ 0 5.0	1.555	2.446	12.8	21.1
11 17	0 46.72	− 0 6.2	1.624	2.431	16.5	21.3

312373 2008 EH_{23} 10 13.2 159°.81 2°.6/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.53	+ 0 34.0	2.380	3.231	11.2	21.0
9 18	1 33.12	+ 0 2.8	2.311	3.235	8.3	20.8
9 28	1 26.12	− 0 31.5	2.268	3.239	5.2	20.7
10 8	1 18.09	− 1 4.6	2.252	3.242	2.8	20.5
10 18	1 9.75	− 1 32.5	2.266	3.246	3.8	20.6
10 28	1 1.89	− 1 51.2	2.309	3.249	6.7	20.8
11 7	0 55.20	− 1 58.2	2.379	3.251	9.7	21.0
11 17	0 50.19	− 1 52.1	2.473	3.253	12.3	21.2

173109 7635 $P–L$ 10 13.2 331°.93 1°.7/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.28	+ 5 3.3	1.046	1.934	19.3	19.3
9 18	1 35.00	+ 5 3.1	0.975	1.917	14.7	19.0
9 28	1 28.32	+ 4 52.4	0.922	1.901	9.2	18.6
10 8	1 19.09	+ 4 35.9	0.890	1.886	3.3	18.2
10 18	1 8.72	+ 4 20.3	0.881	1.873	4.1	18.3
10 28	0 59.07	+ 4 13.2	0.894	1.860	10.3	18.6
11 7	0 51.78	+ 4 21.1	0.929	1.849	16.1	18.8
11 17	0 47.92	+ 4 47.1	0.981	1.840	21.0	19.1

396745 2003 SH_{97} 10 13.2 338°.52 3°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.83	+21 1.6	2.091	2.893	14.2	20.6
9 18	1 30.08	+20 47.5	2.005	2.888	11.4	20.4
9 28	1 24.45	+20 14.6	1.941	2.884	8.2	20.2
10 8	1 17.57	+19 23.9	1.901	2.879	5.0	20.0
10 18	1 10.21	+18 18.8	1.889	2.875	3.5	19.9
10 28	1 3.31	+17 5.1	1.905	2.872	5.7	20.0
11 7	0 57.68	+15 50.0	1.949	2.868	8.9	20.2
11 17	0 53.94	+14 40.5	2.017	2.865	12.1	20.4

322505 2011 WC_{15} 10 13.2 305°.18 0°.2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.96	+11 24.7	1.785	2.634	14.4	20.4
9 18	1 30.42	+10 32.9	1.698	2.620	10.9	20.1
9 28	1 24.79	+ 9 24.6	1.635	2.606	6.8	19.9
10 8	1 17.72	+ 8 4.4	1.597	2.592	2.3	19.5
10 18	1 10.06	+ 6 38.8	1.586	2.579	2.4	19.5
10 28	1 2.86	+ 5 16.3	1.603	2.566	7.0	19.8
11 7	0 57.06	+ 4 4.9	1.646	2.553	11.2	20.0
11 17	0 53.35	+ 3 10.3	1.712	2.540	14.9	20.2

510057 2010 FM_{97} 10 13.2 132°.13 1°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.97	+ 5 56.1	2.196	3.038	12.3	22.4
9 18	1 34.26	+ 5 25.7	2.132	3.051	9.1	22.2
9 28	1 26.84	+ 4 48.0	2.093	3.064	5.6	22.0
10 8	1 18.33	+ 4 7.1	2.081	3.076	2.0	21.8
10 18	1 9.54	+ 3 27.3	2.099	3.088	2.7	21.8
10 28	1 1.33	+ 2 53.4	2.146	3.099	6.2	22.1
11 7	0 54.44	+ 2 29.3	2.221	3.110	9.6	22.3
11 17	0 49.38	+ 2 17.3	2.320	3.120	12.4	22.5

49016 1998 QJ_{77} 10 13.2 109°.61 6°.6/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.80	+28 4.6	1.757	2.520	18.0	18.6
9 18	1 37.08	+28 17.8	1.690	2.537	15.0	18.4
9 28	1 28.90	+28 4.8	1.643	2.555	11.7	18.2
10 8	1 19.10	+27 24.6	1.619	2.572	8.5	18.1
10 18	1 8.84	+26 19.6	1.621	2.588	6.7	18.0
10 28	0 59.42	+24 56.5	1.649	2.604	7.6	18.1
11 7	0 51.89	+23 25.3	1.705	2.619	10.4	18.3
11 17	0 46.93	+21 55.9	1.784	2.634	13.4	18.5

514988 2009 FR_{41} 10 13.2 192°.54 0°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 40.08	+ 8 37.4	2.354	3.185	11.9	22.1
9 18	1 34.41	+ 8 26.4	2.272	3.184	9.0	21.9
9 28	1 27.00	+ 8 7.1	2.214	3.182	5.6	21.7
10 8	1 18.43	+ 7 42.0	2.184	3.179	1.9	21.4
10 18	1 9.43	+ 7 14.4	2.183	3.176	1.9	21.4
10 28	1 0.87	+ 6 48.4	2.213	3.173	5.6	21.7
11 7	0 53.51	+ 6 28.0	2.271	3.169	9.0	21.9
11 17	0 47.91	+ 6 16.3	2.354	3.164	11.9	22.1

479371 2013 XB_{20} 10 13.2 301°.32 5°.2/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.39	− 1 52.1	1.479	2.356	15.3	20.9
9 18	1 34.05	− 2 49.9	1.408	2.344	11.6	20.6
9 28	1 27.19	− 3 51.9	1.359	2.332	7.7	20.4
10 8	1 18.58	− 4 50.2	1.334	2.320	5.2	20.2
10 18	1 9.29	− 5 36.1	1.335	2.309	6.9	20.3
10 28	1 0.62	− 6 2.5	1.362	2.298	10.8	20.5
11 7	0 53.73	− 6 5.4	1.411	2.287	14.9	20.7
11 17	0 49.36	− 5 44.3	1.480	2.276	18.4	20.9

226483 2003 SX_{214} 10 13.2 104°.32 9°.6/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.46	+42 33.3	2.547	3.179	15.9	19.7
9 18	1 35.18	+43 20.4	2.465	3.186	14.4	19.6
9 28	1 27.71	+43 43.3	2.400	3.194	12.7	19.5
10 8	1 18.72	+43 38.8	2.355	3.201	11.1	19.4
10 18	1 9.15	+43 5.5	2.332	3.208	10.0	19.3
10 28	1 0.12	+42 5.7	2.334	3.215	9.6	19.3
11 7	0 52.61	+40 45.3	2.361	3.222	10.2	19.4
11 17	0 47.31	+39 12.1	2.412	3.229	11.4	19.5

60351 2000 AG_{87} 10 13.2 4°.31 1°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.08	+12 23.5	1.054	1.931	20.0	18.2
9 18	1 31.53	+12 8.2	0.996	1.930	15.3	18.0
9 28	1 25.92	+11 31.2	0.956	1.930	9.8	17.7
10 8	1 18.17	+10 36.9	0.937	1.932	3.9	17.3
10 18	1 9.70	+ 9 33.1	0.941	1.935	2.8	17.3
10 28	1 2.14	+ 8 30.9	0.968	1.939	8.7	17.7
11 7	0 56.86	+ 7 40.6	1.016	1.945	14.2	18.0
11 17	0 54.66	+ 7 9.1	1.084	1.952	18.8	18.3

297014 2010 FV_{90} 10 13.2 158°.67 1°.7/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.93	+ 6 22.6	2.129	2.978	12.4	21.4
9 18	1 32.13	+ 5 22.0	2.060	2.983	9.2	21.2
9 28	1 25.58	+ 4 12.1	2.015	2.988	5.6	20.9
10 8	1 17.93	+ 2 58.1	1.997	2.992	2.1	20.7
10 18	1 9.94	+ 1 46.1	2.009	2.996	3.2	20.8
10 28	1 2.47	+ 0 42.4	2.050	3.000	6.8	21.1
11 7	0 56.28	− 0 7.9	2.118	3.003	10.2	21.3
11 17	0 51.88	− 0 42.0	2.210	3.005	13.1	21.5

110206 2001 SN_{207} 10 13.2 153°.02 1°.0/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.33	+ 7 54.3	2.314	3.155	11.8	20.4
9 18	1 31.56	+ 7 4.8	2.242	3.161	8.8	20.2
9 28	1 25.18	+ 6 6.1	2.196	3.167	5.3	20.0
10 8	1 17.79	+ 5 2.4	2.177	3.173	1.8	19.8
10 18	1 10.09	+ 3 58.7	2.188	3.178	2.4	19.9
10 28	1 2.87	+ 3 0.7	2.228	3.182	6.0	20.1
11 7	0 56.81	+ 2 12.9	2.296	3.187	9.2	20.3
11 17	0 52.43	+ 1 38.6	2.388	3.190	12.0	20.5

333279 1997 TW_{12} 10 13.2 357°.72 0°.2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.94	+ 8 18.3	1.108	1.988	19.0	19.8
9 18	1 33.63	+ 8 27.5	1.046	1.983	14.5	19.5
9 28	1 27.23	+ 8 23.2	1.003	1.980	9.1	19.2
10 8	1 18.65	+ 8 8.8	0.981	1.978	3.2	18.9
10 18	1 9.27	+ 7 49.8	0.983	1.977	2.9	18.8
10 28	1 0.75	+ 7 33.3	1.009	1.978	8.9	19.2
11 7	0 54.48	+ 7 26.4	1.056	1.980	14.2	19.5
11 17	0 51.32	+ 7 33.4	1.123	1.984	18.7	19.8

156167 2001 TA_{135} 10 13.2 261°.16 4°.8/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.09	+23 7.7	1.742	2.539	16.8	20.1
9 18	1 33.79	+23 1.4	1.650	2.527	13.8	19.9
9 28	1 27.05	+22 31.1	1.578	2.515	10.2	19.6
10 8	1 18.57	+21 36.6	1.529	2.502	6.6	19.4
10 18	1 9.33	+20 20.5	1.507	2.490	4.8	19.3
10 28	1 0.60	+18 50.2	1.512	2.477	7.0	19.4
11 7	0 53.49	+17 15.4	1.543	2.464	10.8	19.6
11 17	0 48.81	+15 46.2	1.598	2.451	14.5	19.8

223966 2004 XR_{108} 10 13.2 298°.38 0°.8/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.85	+ 6 47.7	2.153	3.000	12.3	20.9
9 18	1 32.34	+ 6 30.3	2.054	2.975	9.3	20.7
9 28	1 25.93	+ 6 4.7	1.979	2.950	5.8	20.4
10 8	1 18.15	+ 5 33.7	1.930	2.925	2.0	20.1
10 18	1 9.74	+ 5 1.5	1.909	2.901	2.4	20.1
10 28	1 1.63	+ 4 32.8	1.918	2.876	6.4	20.3
11 7	0 54.67	+ 4 12.1	1.953	2.851	10.2	20.5
11 17	0 49.55	+ 4 2.9	2.012	2.826	13.5	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
296639 2009 SA_{102}		10 13.2 81°.77 3°.6/16.2 17				
	h m	° ′			°	m
9 8	1 40.06	+19 22.6	1.481	2.303	18.1	20.3
9 18	1 35.26	+19 12.7	1.418	2.315	14.3	20.1
9 28	1 27.87	+18 39.6	1.375	2.327	10.0	19.9
10 8	1 18.79	+17 45.0	1.356	2.339	5.6	19.7
10 18	1 9.23	+16 34.1	1.362	2.351	3.8	19.6
10 28	1 0.51	+15 15.7	1.395	2.363	7.0	19.8
11 7	0 53.76	+13 59.5	1.454	2.375	11.3	20.1
11 17	0 49.65	+12 54.1	1.535	2.387	15.1	20.4
518065 2015 XL_{360}		10 13.2 173°.15 5°.7/ 6.4 18				
9 8	1 35.81	−10 5.0	2.465	3.324	10.6	21.5
9 18	1 31.08	−11 5.9	2.407	3.325	8.3	21.4
9 28	1 24.86	−12 3.1	2.373	3.325	6.4	21.3
10 8	1 17.69	−12 50.9	2.368	3.326	5.8	21.2
10 18	1 10.25	−13 24.4	2.390	3.326	6.9	21.3
10 28	1 3.26	−13 40.2	2.439	3.327	9.0	21.5
11 7	0 57.37	−13 37.1	2.512	3.327	11.2	21.6
11 17	0 53.05	−13 15.7	2.607	3.327	13.2	21.8
37236 2000 WX_{161}		10 13.2 114°.22 5°.0/ 7.8 18				
9 8	1 35.77	− 5 5.2	2.151	3.016	11.6	19.3
9 18	1 31.23	− 6 12.3	2.093	3.020	8.8	19.1
9 28	1 25.03	− 7 19.2	2.059	3.024	6.2	19.0
10 8	1 17.77	− 8 19.6	2.053	3.028	5.0	18.9
10 18	1 10.20	− 9 7.5	2.074	3.031	6.3	19.0
10 28	1 3.15	− 9 38.4	2.123	3.035	8.9	19.1
11 7	0 57.34	− 9 50.0	2.196	3.039	11.6	19.3
11 17	0 53.27	− 9 42.1	2.291	3.042	14.0	19.5
206577 2003 VW_{10}		10 13.2 41°.92 2°.1/11.5 18				
9 8	1 37.85	+ 4 55.1	1.608	2.472	14.9	20.3
9 18	1 33.30	+ 4 17.1	1.547	2.478	11.1	20.1
9 28	1 26.53	+ 3 30.4	1.509	2.484	6.8	19.9
10 8	1 18.32	+ 2 40.4	1.496	2.491	2.7	19.6
10 18	1 9.69	+ 1 53.7	1.510	2.498	3.8	19.7
10 28	1 1.77	+ 1 16.8	1.551	2.506	8.0	20.0
11 7	0 55.52	+ 0 54.6	1.617	2.513	12.0	20.3
11 17	0 51.55	+ 0 49.4	1.705	2.521	15.5	20.5
422078 2014 QP_{383}		10 13.2 326°.93 1°.9/15.4 17				
9 8	1 34.22	+16 41.3	2.255	3.072	12.9	21.2
9 18	1 30.19	+16 17.7	2.172	3.069	10.0	21.0
9 28	1 24.46	+15 39.0	2.111	3.067	6.8	20.8
10 8	1 17.60	+14 47.4	2.077	3.065	3.4	20.6
10 18	1 10.35	+13 46.6	2.071	3.062	2.2	20.5
10 28	1 3.51	+12 42.2	2.094	3.060	5.2	20.7
11 7	0 57.85	+11 40.2	2.144	3.058	8.6	20.9
11 17	0 53.90	+10 46.0	2.220	3.057	11.6	21.1
57568 2001 TR_{57}		10 13.2 164°.88 0°.8/13.9 17				
9 8	1 38.45	+13 39.6	1.797	2.631	15.0	19.9
9 18	1 33.66	+12 59.2	1.723	2.634	11.4	19.7
9 28	1 26.74	+12 2.1	1.671	2.636	7.3	19.5
10 8	1 18.41	+10 52.1	1.645	2.639	2.9	19.2
10 18	1 9.61	+ 9 35.0	1.647	2.640	2.1	19.1
10 28	1 1.42	+ 8 18.7	1.677	2.642	6.5	19.4
11 7	0 54.78	+ 7 10.9	1.735	2.643	10.6	19.7
11 17	0 50.32	+ 6 17.1	1.816	2.644	14.1	19.9
24341 2000 AJ_{87}		10 13.2 300°.21 3°.3/ 6.8 18				
9 8	1 28.63	− 8 6.1	4.252	5.108	6.5	19.2
9 18	1 25.25	− 8 49.3	4.184	5.103	5.0	19.1
9 28	1 21.07	− 9 30.8	4.143	5.099	3.7	19.0
10 8	1 16.37	−10 8.0	4.130	5.094	3.3	18.9
10 18	1 11.51	−10 38.2	4.146	5.090	4.0	19.0
10 28	1 6.85	−10 59.4	4.191	5.085	5.4	19.1
11 7	1 2.74	−11 10.1	4.263	5.081	6.9	19.2
11 17	0 59.47	−11 9.9	4.359	5.076	8.3	19.3
401769 2013 MR_{7}		10 13.2 79°.31 3°.9/17.7 18				
9 8	1 35.74	+22 58.2	2.283	3.067	13.8	20.5
9 18	1 31.28	+22 47.6	2.209	3.078	11.1	20.4
9 28	1 25.10	+22 18.7	2.157	3.089	8.2	20.2
10 8	1 17.81	+21 32.6	2.130	3.100	5.3	20.0
10 18	1 10.19	+20 32.2	2.130	3.111	3.9	20.0
10 28	1 3.08	+19 22.9	2.160	3.123	5.4	20.1
11 7	0 57.24	+18 11.2	2.217	3.134	8.2	20.3
11 17	0 53.18	+17 3.5	2.300	3.145	11.0	20.5
412864 2014 PJ_{70}		10 13.2 93°.25 5°.2/18.7 17				
9 8	1 38.58	+25 17.0	2.280	3.046	14.3	20.9
9 18	1 33.55	+25 40.4	2.200	3.051	11.8	20.8
9 28	1 26.60	+25 45.6	2.141	3.057	9.1	20.6
10 8	1 18.37	+25 31.8	2.106	3.062	6.5	20.4
10 18	1 9.66	+25 0.3	2.098	3.067	5.2	20.4
10 28	1 1.42	+24 14.8	2.119	3.073	6.2	20.5
11 7	0 54.51	+23 21.4	2.167	3.078	8.6	20.6
11 17	0 49.53	+22 26.6	2.240	3.083	11.3	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
269518 2009 UQ_{132}		10 13.2 320°.42 7°.9/21.9 17				
	h m	° ′			°	m
9 8	1 34.79	+32 46.1	2.060	2.794	16.5	20.0
9 18	1 31.21	+33 8.9	1.961	2.778	14.4	19.8
9 28	1 25.42	+33 7.0	1.881	2.763	12.0	19.6
10 8	1 18.03	+32 37.6	1.822	2.748	9.6	19.4
10 18	1 9.94	+31 40.6	1.787	2.733	8.1	19.3
10 28	1 2.25	+30 19.8	1.778	2.719	8.3	19.3
11 7	0 56.00	+28 43.1	1.795	2.705	10.2	19.4
11 17	0 51.95	+27 0.1	1.836	2.692	12.8	19.5
325469 2009 QZ_{56}		10 13.2 11°.61 2°.2/15.0 18				
9 8	1 39.27	+14 9.4	1.957	2.782	14.2	20.3
9 18	1 34.21	+14 29.9	1.881	2.783	11.1	20.1
9 28	1 27.08	+14 37.9	1.827	2.785	7.4	19.9
10 8	1 18.55	+14 34.2	1.799	2.787	3.7	19.7
10 18	1 9.50	+14 21.1	1.799	2.790	2.6	19.6
10 28	1 0.97	+14 2.6	1.827	2.793	5.9	19.8
11 7	0 53.88	+13 43.8	1.882	2.796	9.6	20.0
11 17	0 48.88	+13 29.2	1.961	2.800	12.8	20.3
248396 2005 SM_{60}		10 13.2 334°.57 0°.5/12.7 18				
9 8	1 33.70	+ 9 56.4	1.740	2.595	14.4	20.4
9 18	1 30.23	+ 9 12.9	1.661	2.587	10.9	20.1
9 28	1 24.69	+ 8 15.0	1.606	2.578	6.8	19.9
10 8	1 17.74	+ 7 7.6	1.575	2.571	2.3	19.6
10 18	1 10.25	+ 5 56.8	1.571	2.564	2.5	19.6
10 28	1 3.27	+ 4 50.5	1.595	2.557	7.0	19.9
11 7	0 57.73	+ 3 55.6	1.644	2.551	11.2	20.1
11 17	0 54.27	+ 3 17.0	1.716	2.546	14.8	20.3
388202 2006 DW_{211}		10 13.2 308°.79 3°.6/15.4 18				
9 8	1 44.62	+15 20.9	1.640	2.462	16.6	20.4
9 18	1 38.82	+16 9.3	1.556	2.455	13.2	20.2
9 28	1 30.28	+16 44.2	1.494	2.448	9.2	19.9
10 8	1 19.75	+17 4.4	1.457	2.442	5.2	19.7
10 18	1 8.34	+17 10.3	1.447	2.435	3.9	19.6
10 28	0 57.45	+17 5.5	1.464	2.429	7.2	19.8
11 7	0 48.35	+16 55.5	1.507	2.422	11.4	20.0
11 17	0 41.95	+16 46.7	1.573	2.416	15.2	20.2
261513 2005 WJ_{60}		10 13.2 292°.86 2°.1/11.2 18				
9 8	1 36.88	+ 3 21.0	2.063	2.919	12.4	20.6
9 18	1 32.35	+ 2 51.4	1.976	2.902	9.3	20.4
9 28	1 25.91	+ 2 15.4	1.912	2.886	5.8	20.2
10 8	1 18.16	+ 1 37.4	1.876	2.870	2.5	19.9
10 18	1 9.86	+ 1 2.1	1.868	2.854	3.5	20.0
10 28	1 1.94	+ 0 34.7	1.887	2.838	7.2	20.2
11 7	0 55.27	+ 0 19.2	1.934	2.821	10.8	20.4
11 17	0 50.48	+ 0 18.2	2.003	2.806	14.0	20.5
60077 1999 TZ_{143}		10 13.2 346°.10 0°.7/13.9 18				
9 8	1 32.38	+14 43.1	1.883	2.720	14.2	19.2
9 18	1 29.08	+13 40.3	1.803	2.716	10.9	18.9
9 28	1 23.89	+12 19.0	1.746	2.713	7.0	18.7
10 8	1 17.44	+10 43.6	1.716	2.710	2.7	18.4
10 18	1 10.55	+ 9 1.0	1.713	2.707	1.9	18.4
10 28	1 4.17	+ 7 19.9	1.739	2.704	6.2	18.6
11 7	0 59.12	+ 5 48.9	1.792	2.702	10.2	18.9
11 17	0 56.00	+ 4 34.1	1.869	2.701	13.7	19.1
19672 1999 RP_{155}		10 13.2 111°.22 4°.2/16.6 18 R				
9 8	1 43.29	+20 6.6	1.587	2.396	17.7	18.6
9 18	1 37.58	+20 13.2	1.522	2.410	14.1	18.4
9 28	1 29.29	+19 58.1	1.478	2.424	10.0	18.2
10 8	1 19.32	+19 21.8	1.458	2.437	6.0	18.0
10 18	1 8.85	+18 28.0	1.464	2.450	4.2	18.0
10 28	0 59.22	+17 23.9	1.497	2.463	7.0	18.2
11 7	0 51.54	+16 18.6	1.557	2.475	10.9	18.4
11 17	0 46.52	+15 20.2	1.640	2.487	14.5	18.7
79354 Brundibár		10 13.2 332°.11 4°.3/16.1 18				
9 8	1 38.83	+18 7.2	1.297	2.136	19.3	19.6
9 18	1 34.97	+18 27.9	1.221	2.128	15.4	19.3
9 28	1 28.10	+18 26.3	1.165	2.121	10.9	19.0
10 8	1 19.04	+18 1.9	1.130	2.115	6.3	18.8
10 18	1 9.05	+17 17.7	1.119	2.109	4.5	18.7
10 28	0 59.75	+16 21.1	1.134	2.103	8.1	18.9
11 7	0 52.54	+15 22.6	1.171	2.098	12.8	19.1
11 17	0 48.37	+14 31.5	1.230	2.094	17.2	19.4
394913 2008 VJ_{68}		10 13.2 215°.36 3°.6/ 9.3 18				
9 8	1 38.12	− 1 11.9	2.328	3.183	11.2	21.9
9 18	1 32.99	− 2 7.7	2.250	3.175	8.4	21.8
9 28	1 26.16	− 3 6.9	2.197	3.167	5.5	21.6
10 8	1 18.22	− 4 4.0	2.172	3.157	3.6	21.4
10 18	1 9.86	− 4 53.6	2.176	3.148	4.8	21.5
10 28	1 1.92	− 5 30.7	2.209	3.137	7.7	21.7
11 7	0 55.13	− 5 52.2	2.269	3.126	10.7	21.8
11 17	0 50.04	− 5 56.7	2.351	3.115	13.3	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
365794 2011 AS_{35}			10 13.2 232.°86		4.°3/18.9 18	
	h m	° ′			°	m
9 8	1 36.53	+26 24.9	3.037	3.781	11.5	21.7
9 18	1 31.67	+26 30.2	2.932	3.769	9.6	21.5
9 28	1 25.32	+26 20.3	2.849	3.756	7.5	21.4
10 8	1 17.94	+25 54.7	2.791	3.742	5.4	21.2
10 18	1 10.11	+25 14.5	2.762	3.728	4.3	21.1
10 28	1 2.56	+24 22.6	2.762	3.713	5.1	21.2
11 7	0 55.94	+23 23.6	2.791	3.699	7.1	21.3
11 17	0 50.77	+22 22.7	2.847	3.683	9.4	21.4
298669 2004 CD_{77}			10 13.2 300.°94		3.°7/16.1 18	
9 8	1 38.59	+18 11.4	1.775	2.593	15.8	20.1
9 18	1 34.18	+18 29.4	1.681	2.575	12.7	19.8
9 28	1 27.36	+18 30.2	1.607	2.557	9.0	19.6
10 8	1 18.75	+18 13.6	1.558	2.540	5.3	19.3
10 18	1 9.32	+17 41.3	1.534	2.522	3.8	19.2
10 28	1 0.27	+16 58.2	1.539	2.505	6.8	19.3
11 7	0 52.73	+16 11.6	1.569	2.488	10.7	19.5
11 17	0 47.55	+15 28.6	1.622	2.471	14.5	19.7
408760 1997 SA_{6}			10 13.2 343.°92		4.°2/15.9 16	
9 8	1 38.25	+16 17.4	1.588	2.420	16.6	20.6
9 18	1 34.16	+17 11.7	1.501	2.404	13.3	20.4
9 28	1 27.46	+17 52.1	1.435	2.389	9.5	20.1
10 8	1 18.82	+18 17.1	1.393	2.376	5.7	19.9
10 18	1 9.27	+18 26.9	1.376	2.363	4.4	19.7
10 28	1 0.12	+18 24.6	1.386	2.352	7.3	19.9
11 7	0 52.65	+18 15.9	1.420	2.342	11.4	20.1
11 17	0 47.76	+18 7.0	1.476	2.334	15.2	20.3
324218 2006 BO_{41}			10 13.2 57.°18		5.°2/ 6.5 18	
9 8	1 32.95	− 4 52.5	2.230	3.099	11.1	20.4
9 18	1 29.12	− 6 31.5	2.173	3.103	8.4	20.2
9 28	1 23.74	− 8 11.2	2.143	3.107	6.1	20.1
10 8	1 17.37	− 9 44.3	2.140	3.111	5.3	20.1
10 18	1 10.71	−11 3.8	2.166	3.115	6.7	20.1
10 28	1 4.51	−12 4.3	2.219	3.119	9.1	20.3
11 7	0 59.45	−12 42.8	2.296	3.123	11.7	20.5
11 17	0 55.99	−12 59.1	2.395	3.128	13.9	20.7
396064 2013 CP_{69}			10 13.2 336.°99		6.°0/ 6.8 18	
9 8	1 32.35	− 1 45.0	1.583	2.467	14.1	20.5
9 18	1 29.33	− 3 45.1	1.520	2.460	10.6	20.2
9 28	1 24.17	− 5 51.8	1.481	2.453	7.3	20.0
10 8	1 17.58	− 7 54.2	1.468	2.447	6.0	19.9
10 18	1 10.49	− 9 41.2	1.481	2.441	8.0	20.1
10 28	1 3.98	−11 3.2	1.520	2.436	11.5	20.2
11 7	0 58.99	−11 55.3	1.581	2.431	14.9	20.5
11 17	0 56.14	−12 16.7	1.662	2.427	17.9	20.7
174075 2002 EF_{153}			10 13.2 163.°23		3.°8/16.6 17	
9 8	1 41.73	+20 34.3	1.703	2.508	16.9	20.9
9 18	1 36.37	+20 23.9	1.627	2.513	13.5	20.6
9 28	1 28.57	+19 51.4	1.572	2.517	9.6	20.4
10 8	1 19.11	+18 57.6	1.540	2.521	5.6	20.2
10 18	1 9.09	+17 46.7	1.536	2.524	3.9	20.1
10 28	0 59.75	+16 26.3	1.560	2.526	6.7	20.3
11 7	0 52.19	+15 5.7	1.611	2.528	10.7	20.5
11 17	0 47.12	+13 53.3	1.685	2.530	14.3	20.8
439607 2014 EE_{25}			10 13.2 211.°43		3.°3/10.3 18	
9 8	1 39.36	+ 0 47.7	1.926	2.785	13.1	21.9
9 18	1 34.20	+ 0 3.2	1.854	2.782	9.8	21.7
9 28	1 27.05	− 0 46.1	1.805	2.778	6.2	21.5
10 8	1 18.56	− 1 34.6	1.783	2.774	3.4	21.3
10 18	1 9.61	− 2 16.5	1.790	2.769	4.7	21.4
10 28	1 1.19	− 2 46.3	1.824	2.764	8.2	21.6
11 7	0 54.20	− 3 0.2	1.884	2.759	11.7	21.8
11 17	0 49.24	− 2 56.8	1.966	2.754	14.7	22.0
379333 2009 WU_{75}			10 13.2 297.°47		4.°0/10.2 18	
9 8	1 38.63	+ 0 55.1	1.477	2.351	15.5	20.9
9 18	1 34.34	+ 0 6.6	1.401	2.336	11.7	20.6
9 28	1 27.48	− 0 49.0	1.346	2.321	7.4	20.3
10 8	1 18.79	− 1 44.7	1.315	2.306	4.2	20.1
10 18	1 9.36	− 2 32.3	1.311	2.292	5.8	20.1
10 28	1 0.49	− 3 4.2	1.332	2.277	10.1	20.4
11 7	0 53.38	− 3 15.5	1.377	2.263	14.4	20.6
11 17	0 48.83	− 3 4.4	1.441	2.249	18.2	20.8
320221 2007 HL_{71}			10 13.2 102.°05		2.°1/10.6 18	
9 8	1 35.20	+ 3 14.9	2.512	3.363	10.7	21.5
9 18	1 30.55	+ 2 22.7	2.455	3.379	7.8	21.4
9 28	1 24.50	+ 1 25.7	2.423	3.395	4.8	21.2
10 8	1 17.61	+ 0 28.3	2.419	3.412	2.3	21.0
10 18	1 10.51	− 0 24.8	2.445	3.427	3.3	21.1
10 28	1 3.89	− 1 9.3	2.500	3.443	6.1	21.4
11 7	0 58.34	− 1 41.7	2.583	3.458	8.9	21.6
11 17	0 54.29	− 2 0.5	2.689	3.473	11.3	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
367842 2011 BV_{103}			10 13.2 235.°20		1.°2/11.8 18	
	h m	° ′			°	m
9 8	1 34.69	+ 5 58.1	2.516	3.361	10.8	21.7
9 18	1 30.32	+ 5 21.4	2.435	3.357	8.0	21.5
9 28	1 24.47	+ 4 37.7	2.380	3.352	4.9	21.3
10 8	1 17.64	+ 3 50.4	2.352	3.347	1.8	21.1
10 18	1 10.46	+ 3 3.9	2.353	3.342	2.5	21.2
10 28	1 3.65	+ 2 22.6	2.384	3.337	5.7	21.4
11 7	0 57.85	+ 1 50.5	2.443	3.332	8.8	21.6
11 17	0 53.57	+ 1 30.1	2.526	3.327	11.5	21.7
476923 2008 WH_{99}			10 13.2 328.°49		3.°4/10.7 18	
9 8	1 37.36	+ 2 6.7	1.448	2.324	15.6	20.6
9 18	1 33.35	+ 1 26.6	1.377	2.314	11.7	20.3
9 28	1 26.83	+ 0 38.9	1.328	2.304	7.4	20.1
10 8	1 18.55	− 0 9.7	1.302	2.295	3.7	19.8
10 18	1 9.61	− 0 51.8	1.302	2.287	5.1	19.9
10 28	1 1.29	− 1 20.2	1.328	2.279	9.5	20.1
11 7	0 54.75	− 1 29.9	1.378	2.272	13.9	20.4
11 17	0 50.74	− 1 19.1	1.447	2.265	17.7	20.6
325730 2009 VD_{40}			10 13.2 54.°91		2.°3/10.4 18	
9 8	1 33.55	+ 3 51.4	2.254	3.111	11.5	20.6
9 18	1 29.58	+ 2 47.5	2.185	3.113	8.5	20.4
9 28	1 24.04	+ 1 36.7	2.141	3.115	5.2	20.3
10 8	1 17.49	+ 0 24.2	2.125	3.118	2.5	20.1
10 18	1 10.62	− 0 44.1	2.137	3.120	3.7	20.2
10 28	1 4.21	− 1 42.5	2.179	3.122	6.9	20.4
11 7	0 58.91	− 2 26.7	2.246	3.124	10.0	20.6
11 17	0 55.24	− 2 54.4	2.338	3.127	12.7	20.8
283651 2002 KR_{13}			10 13.2 42.°43		6.°6/ 9.2 18	
9 8	1 42.81	− 5 54.3	1.264	2.144	17.1	19.4
9 18	1 37.03	− 6 39.9	1.239	2.173	12.9	19.2
9 28	1 28.74	− 7 21.0	1.234	2.203	8.9	19.1
10 8	1 19.06	− 7 49.5	1.254	2.234	6.6	19.0
10 18	1 9.32	− 7 59.1	1.298	2.265	8.0	19.2
10 28	1 0.84	− 7 46.4	1.367	2.297	11.3	19.5
11 7	0 54.58	− 7 12.0	1.458	2.329	14.8	19.8
11 17	0 51.00	− 6 18.6	1.570	2.361	17.7	20.1
62419 2000 SX_{183}			10 13.2 330.°29		0.°9/12.3 18	
9 8	1 35.66	+ 7 37.1	1.830	2.685	13.8	19.5
9 18	1 31.60	+ 7 5.4	1.753	2.678	10.4	19.3
9 28	1 25.51	+ 6 23.0	1.699	2.672	6.4	19.1
10 8	1 18.05	+ 5 34.2	1.670	2.666	2.2	18.8
10 18	1 10.08	+ 4 44.4	1.669	2.661	2.7	18.8
10 28	1 2.62	+ 3 59.9	1.696	2.656	7.0	19.1
11 7	0 56.55	+ 3 26.2	1.749	2.651	10.9	19.3
11 17	0 52.53	+ 3 7.0	1.824	2.646	14.4	19.5
89243 2001 UF_{159}			10 13.2 28.°62		1.°4/11.9 18	
9 8	1 37.12	+ 5 56.1	1.854	2.709	13.6	19.5
9 18	1 32.57	+ 5 26.0	1.786	2.712	10.2	19.3
9 28	1 26.04	+ 4 47.4	1.741	2.715	6.2	19.1
10 8	1 18.21	+ 4 4.6	1.722	2.718	2.2	18.8
10 18	1 9.97	+ 3 23.0	1.732	2.721	3.0	18.9
10 28	1 2.30	+ 2 48.2	1.768	2.725	7.0	19.1
11 7	0 56.07	+ 2 24.9	1.831	2.728	10.8	19.4
11 17	0 51.87	+ 2 15.8	1.917	2.732	14.0	19.6
316162 2009 UE_{108}			10 13.2 326.°88		1.°5/10.7 18	
9 8	1 30.00	+ 1 37.4	3.973	4.820	7.1	20.3
9 18	1 26.34	+ 1 15.2	3.892	4.814	5.3	20.2
9 28	1 21.80	+ 0 50.9	3.838	4.809	3.3	20.1
10 8	1 16.69	+ 0 26.5	3.812	4.804	1.6	19.9
10 18	1 11.38	+ 0 4.5	3.817	4.799	2.2	20.0
10 28	1 6.28	− 0 12.9	3.852	4.795	4.2	20.1
11 7	1 1.77	− 0 23.8	3.915	4.790	6.2	20.2
11 17	0 58.17	− 0 27.1	4.004	4.785	7.9	20.4
317324 2002 JC_{8}			10 13.2 117.°24		2.°3/11.1 17	
9 8	1 42.43	+ 5 16.6	1.734	2.585	14.6	21.8
9 18	1 36.43	+ 4 12.3	1.683	2.607	10.8	21.6
9 28	1 28.33	+ 2 59.2	1.655	2.628	6.6	21.4
10 8	1 18.96	+ 1 43.8	1.654	2.648	2.7	21.2
10 18	1 9.36	+ 0 33.5	1.682	2.668	4.0	21.3
10 28	1 0.58	− 0 24.6	1.739	2.686	7.9	21.6
11 7	0 53.52	− 1 5.8	1.821	2.704	11.6	21.9
11 17	0 48.71	− 1 27.9	1.926	2.721	14.8	22.1
21903 Wallace			10 13.2 270.°56		0.°8/12.5 18	
9 8	1 38.33	+ 6 18.2	2.225	3.068	12.1	17.5
9 18	1 33.25	+ 6 7.6	2.144	3.064	9.1	17.3
9 28	1 26.39	+ 5 50.2	2.088	3.059	5.6	17.1
10 8	1 18.34	+ 5 28.7	2.059	3.054	1.9	16.8
10 18	1 9.86	+ 5 6.8	2.059	3.050	2.3	16.8
10 28	1 1.80	+ 4 48.5	2.087	3.045	6.0	17.1
11 7	0 54.95	+ 4 37.6	2.144	3.041	9.5	17.3
11 17	0 49.90	+ 4 36.5	2.224	3.036	12.5	17.5

312792 2010 VX_{176} 10 13.2 11°.04 6°.3/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 36.10	+25 50.4	1.749	2.536	17.2	19.9
9 18	1 32.24	+26 14.1	1.674	2.538	14.3	19.8
9 28	1 26.06	+26 14.4	1.618	2.541	11.1	19.6
10 8	1 18.28	+25 50.0	1.585	2.544	8.0	19.4
10 18	1 9.91	+25 2.7	1.577	2.548	6.3	19.3
10 28	1 2.14	+23 58.1	1.594	2.553	7.4	19.4
11 7	0 56.01	+22 44.7	1.638	2.559	10.3	19.6
11 17	0 52.22	+21 31.5	1.705	2.565	13.4	19.8

386777 2010 DZ_{21} 10 13.2 118°.25 7°.0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.96	− 8 9.6	1.831	2.700	13.2	21.0
9 18	1 33.10	− 9 46.8	1.785	2.710	10.2	20.9
9 28	1 26.29	−11 21.1	1.763	2.720	7.8	20.8
10 8	1 18.28	−12 43.4	1.768	2.730	7.0	20.7
10 18	1 9.97	−13 46.1	1.799	2.740	8.5	20.8
10 28	1 2.35	−14 24.1	1.857	2.749	11.1	21.0
11 7	0 56.23	−14 35.8	1.937	2.758	13.8	21.2
11 17	0 52.16	−14 22.8	2.037	2.766	16.2	21.4

255076 2005 UP_{18} 10 13.2 32°.50 2°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.45	+ 2 48.0	1.988	2.845	12.8	20.2
9 18	1 32.68	+ 2 18.1	1.920	2.848	9.5	20.0
9 28	1 26.05	+ 1 42.8	1.877	2.850	5.9	19.8
10 8	1 18.22	+ 1 6.7	1.860	2.853	2.6	19.6
10 18	1 10.00	+ 0 34.6	1.871	2.856	3.7	19.7
10 28	1 2.33	+ 0 11.3	1.910	2.859	7.2	19.9
11 7	0 56.01	+ 0 0.5	1.975	2.862	10.7	20.1
11 17	0 51.60	+ 0 3.9	2.063	2.865	13.7	20.3

233104 2005 SX_{94} 10 13.2 327°.50 4°.3/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.62	+26 33.6	1.232	2.055	21.1	19.3
9 18	1 27.47	+25 10.5	1.139	2.033	17.4	18.9
9 28	1 23.52	+22 59.6	1.063	2.011	12.7	18.6
10 8	1 17.50	+20 1.3	1.009	1.991	7.6	18.3
10 18	1 10.60	+16 25.0	0.981	1.971	4.3	18.0
10 28	1 4.33	+12 30.5	0.979	1.953	8.1	18.2
11 7	1 0.05	+ 8 42.7	1.003	1.936	13.7	18.4
11 17	0 58.62	+ 5 22.8	1.051	1.921	19.0	18.7

373630 2002 ND_{55} 10 13.2 44°.10 0°.9/12.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.85	+ 8 13.8	1.078	1.954	19.7	20.3
9 18	1 36.18	+ 7 46.5	1.040	1.976	14.7	20.1
9 28	1 28.53	+ 7 4.4	1.022	1.999	9.0	19.9
10 8	1 19.08	+ 6 14.1	1.025	2.022	3.0	19.6
10 18	1 9.33	+ 5 24.0	1.053	2.046	3.4	19.7
10 28	1 0.84	+ 4 43.2	1.105	2.070	9.0	20.1
11 7	0 54.79	+ 4 18.1	1.180	2.095	13.9	20.5
11 17	0 51.75	+ 4 11.7	1.275	2.121	17.9	20.8

179598 2002 NV_{21} 10 13.2 40°.11 3°.8/10.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.91	+ 3 54.0	1.196	2.080	17.6	19.8
9 18	1 33.15	+ 2 36.8	1.149	2.090	13.0	19.6
9 28	1 26.67	+ 1 8.4	1.122	2.100	8.0	19.3
10 8	1 18.47	− 0 21.0	1.118	2.111	4.0	19.1
10 18	1 9.83	− 1 40.5	1.139	2.123	5.8	19.3
10 28	1 2.17	− 2 40.3	1.185	2.135	10.5	19.6
11 7	0 56.60	− 3 14.5	1.253	2.147	14.9	19.9
11 17	0 53.76	− 3 22.0	1.340	2.160	18.7	20.2

115698 2003 UE_{163} 10 13.2 209°.51 2°.7/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.93	+ 3 53.5	1.566	2.428	15.4	19.7
9 18	1 35.83	+ 3 7.5	1.496	2.425	11.5	19.5
9 28	1 28.28	+ 2 12.4	1.448	2.422	7.1	19.2
10 8	1 19.05	+ 1 14.3	1.425	2.419	3.1	19.0
10 18	1 9.24	+ 0 20.6	1.429	2.415	4.4	19.1
10 28	1 0.10	− 0 21.3	1.461	2.411	8.8	19.3
11 7	0 52.72	− 0 46.0	1.517	2.407	13.1	19.6
11 17	0 47.83	− 0 51.2	1.594	2.402	16.7	19.8

3325 TARDIS 10 13.2 241°.41 5°.4/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.29	− 9 48.2	2.364	3.214	11.2	16.5
9 18	1 35.24	−10 12.7	2.298	3.213	8.8	16.3
9 28	1 27.51	−10 32.3	2.257	3.212	6.5	16.2
10 8	1 18.71	−10 42.5	2.243	3.210	5.4	16.1
10 18	1 9.59	−10 39.3	2.258	3.209	6.4	16.2
10 28	1 1.00	−10 20.4	2.302	3.207	8.6	16.3
11 7	0 53.67	− 9 45.2	2.371	3.206	11.1	16.5
11 17	0 48.11	− 8 55.0	2.463	3.204	13.4	16.7

449072 2012 FS_{56} 10 13.2 265°.81 2°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.31	+ 3 10.1	2.263	3.121	11.4	21.5
9 18	1 29.47	+ 1 49.7	2.185	3.114	8.4	21.3
9 28	1 24.03	+ 0 21.6	2.132	3.106	5.2	21.1
10 8	1 17.53	− 1 8.4	2.107	3.098	2.9	21.0
10 18	1 10.65	− 2 33.6	2.112	3.090	4.2	21.1
10 28	1 4.16	− 3 47.4	2.146	3.082	7.4	21.2
11 7	0 58.77	− 4 44.9	2.206	3.074	10.5	21.4
11 17	0 55.00	− 5 23.5	2.289	3.066	13.2	21.6

11514 Tsunenaga 10 13.2 208°.08 1°.5/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.33	+ 6 33.2	2.259	3.108	11.7	17.2
9 18	1 30.20	+ 5 35.2	2.183	3.107	8.7	17.1
9 28	1 24.46	+ 4 28.1	2.133	3.106	5.3	16.8
10 8	1 17.68	+ 3 16.8	2.109	3.104	2.0	16.6
10 18	1 10.54	+ 2 6.7	2.115	3.103	2.9	16.7
10 28	1 3.83	+ 1 3.9	2.150	3.101	6.4	16.9
11 7	0 58.26	+ 0 13.2	2.213	3.100	9.7	17.1
11 17	0 54.33	− 0 22.2	2.299	3.098	12.5	17.3

307486 2002 XW_{59} 10 13.2 23°.62 18°.2/ 7.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 59.71	−27 27.2	0.950	1.799	23.9	19.7
9 18	1 51.09	−28 15.5	0.914	1.801	21.2	19.5
9 28	1 38.09	−28 28.7	0.894	1.803	19.0	19.4
10 8	1 22.41	−27 51.5	0.891	1.806	18.2	19.4
10 18	1 6.43	−26 17.0	0.908	1.809	19.1	19.4
10 28	0 52.59	−23 49.4	0.945	1.813	21.3	19.6
11 7	0 42.53	−20 42.5	1.000	1.817	24.0	19.8
11 17	0 36.86	−17 11.9	1.071	1.821	26.7	20.1

151965 2004 GT_{31} 10 13.2 21°.37 0°.4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.65	+ 7 13.2	1.247	2.115	18.1	19.0
9 18	1 36.82	+ 7 19.5	1.189	2.120	13.7	18.8
9 28	1 29.08	+ 7 14.6	1.150	2.125	8.5	18.5
10 8	1 19.37	+ 7 2.2	1.135	2.131	2.9	18.2
10 18	1 9.03	+ 6 47.2	1.145	2.138	2.9	18.2
10 28	0 59.62	+ 6 36.0	1.180	2.145	8.4	18.6
11 7	0 52.41	+ 6 34.0	1.238	2.153	13.4	18.9
11 17	0 48.15	+ 6 44.8	1.317	2.162	17.5	19.2

109282 2001 QU_{119} 10 13.2 78°.96 2°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.47	+ 4 28.0	1.493	2.355	15.9	19.2
9 18	1 35.98	+ 3 39.3	1.447	2.377	11.8	19.0
9 28	1 28.17	+ 2 42.2	1.423	2.398	7.2	18.8
10 8	1 18.95	+ 1 43.4	1.425	2.419	3.0	18.6
10 18	1 9.47	+ 0 50.3	1.453	2.440	4.2	18.7
10 28	1 0.93	+ 0 9.8	1.509	2.461	8.5	19.0
11 7	0 54.29	− 0 13.8	1.589	2.481	12.5	19.3
11 17	0 50.12	− 0 18.6	1.691	2.501	15.8	19.6

6910 Ikeguchi 10 13.2 164°.86 2°.4/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.32	+16 28.8	2.367	3.174	12.6	17.5
9 18	1 33.22	+16 34.9	2.284	3.175	9.9	17.3
9 28	1 26.37	+16 28.1	2.225	3.176	6.8	17.2
10 8	1 18.36	+16 9.6	2.193	3.177	3.7	17.0
10 18	1 9.93	+15 41.6	2.189	3.178	2.5	16.9
10 28	1 1.91	+15 8.0	2.214	3.179	5.1	17.1
11 7	0 55.08	+14 33.6	2.268	3.180	8.3	17.3
11 17	0 50.01	+14 3.1	2.347	3.180	11.2	17.5

487362 2014 QJ_{242} 10 13.2 124°.24 1°.1/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.56	+ 5 21.0	2.417	3.261	11.3	22.0
9 18	1 32.47	+ 5 3.7	2.345	3.265	8.4	21.8
9 28	1 25.82	+ 4 40.5	2.298	3.269	5.1	21.6
10 8	1 18.15	+ 4 14.6	2.278	3.274	1.8	21.4
10 18	1 10.15	+ 3 49.4	2.288	3.278	2.4	21.4
10 28	1 2.60	+ 3 28.9	2.327	3.282	5.7	21.7
11 7	0 56.18	+ 3 16.1	2.394	3.286	8.8	21.9
11 17	0 51.39	+ 3 13.4	2.486	3.290	11.6	22.1

164995 2000 BR_{16} 10 13.2 307°.93 8°.3/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.56	−10 8.4	1.621	2.498	14.2	19.1
9 18	1 32.56	−11 36.7	1.555	2.483	11.3	18.9
9 28	1 26.26	−13 1.9	1.512	2.468	9.0	18.8
10 8	1 18.38	−14 14.0	1.494	2.453	8.4	18.7
10 18	1 9.91	−15 4.2	1.500	2.439	10.0	18.8
10 28	1 2.02	−15 26.0	1.531	2.425	12.9	18.9
11 7	0 55.72	−15 17.7	1.583	2.411	16.0	19.1
11 17	0 51.72	−14 41.0	1.654	2.398	18.8	19.3

421885 2014 QR_{176} 10 13.2 299°.48 1°.0/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.34	+12 11.4	2.227	3.057	12.6	21.7
9 18	1 31.87	+12 3.8	2.138	3.047	9.6	21.5
9 28	1 25.62	+11 45.1	2.073	3.037	6.3	21.3
10 8	1 18.13	+11 17.2	2.035	3.027	2.6	21.0
10 18	1 10.16	+10 43.2	2.024	3.018	1.8	21.0
10 28	1 2.55	+10 7.8	2.043	3.008	5.5	21.2
11 7	0 56.12	+ 9 35.8	2.089	2.999	9.0	21.4
11 17	0 51.46	+ 9 11.3	2.160	2.989	12.2	21.6

223323 2003 QG_{44} 10 13.2 276°.17 2°.6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.55	+ 3 12.6	2.251	3.109	11.4	20.3
9 18	1 29.67	+ 2 3.7	2.173	3.102	8.5	20.1
9 28	1 24.17	+ 0 47.5	2.120	3.094	5.3	19.9
10 8	1 17.61	− 0 30.5	2.094	3.086	2.8	19.7
10 18	1 10.66	− 1 44.2	2.098	3.078	4.0	19.8
10 28	1 4.10	− 2 47.4	2.130	3.071	7.2	20.0
11 7	0 58.65	− 3 35.5	2.189	3.063	10.4	20.2
11 17	0 54.82	− 4 5.9	2.271	3.055	13.1	20.4

457987 2009 WC_{10} 10 13.2 252°.96 19°.3/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 55.91	−34 50.0	1.292	2.099	21.1	20.7
9 18	1 47.89	−36 24.5	1.255	2.089	19.9	20.6
9 28	1 36.04	−37 25.1	1.234	2.080	19.3	20.5
10 8	1 21.76	−37 37.7	1.231	2.070	19.6	20.5
10 18	1 6.99	−36 54.1	1.246	2.060	20.7	20.6
10 28	0 53.83	−35 14.7	1.279	2.050	22.3	20.7
11 7	0 43.81	−32 48.2	1.327	2.039	24.2	20.8
11 17	0 37.65	−29 46.9	1.390	2.028	26.0	20.9

23713 1998 EQ_2 10 13.2 169°.58 0°.8/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.53	+11 3.1	1.661	2.499	15.8	20.3
9 18	1 37.71	+10 57.5	1.588	2.501	12.1	20.0
9 28	1 29.44	+10 38.5	1.537	2.504	7.7	19.8
10 8	1 19.49	+10 8.9	1.512	2.506	3.0	19.5
10 18	1 8.95	+ 9 32.9	1.514	2.507	2.2	19.5
10 28	0 59.09	+ 8 56.6	1.544	2.508	7.0	19.8
11 7	0 51.00	+ 8 26.4	1.600	2.509	11.3	20.0
11 17	0 45.41	+ 8 7.0	1.679	2.509	15.1	20.3

216101 2006 RJ_{23} 10 13.2 299°.32 0°.4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.44	+11 1.9	1.360	2.222	17.2	19.9
9 18	1 32.97	+10 14.5	1.280	2.208	13.2	19.6
9 28	1 26.79	+ 9 7.2	1.220	2.194	8.3	19.3
10 8	1 18.65	+ 7 44.9	1.184	2.180	2.8	19.0
10 18	1 9.68	+ 6 16.1	1.174	2.167	2.9	18.9
10 28	1 1.30	+ 4 51.7	1.189	2.153	8.6	19.2
11 7	0 54.78	+ 3 41.9	1.228	2.140	13.7	19.5
11 17	0 50.97	+ 2 53.5	1.288	2.128	18.1	19.7

329172 2012 CH_{55} 10 13.2 143°.40 3°.6/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.43	+22 6.0	2.878	3.645	11.6	21.3
9 18	1 33.78	+22 22.6	2.797	3.655	9.4	21.2
9 28	1 26.61	+22 25.9	2.738	3.664	7.0	21.0
10 8	1 18.44	+22 15.7	2.707	3.672	4.7	20.9
10 18	1 9.93	+21 53.5	2.704	3.681	3.6	20.8
10 28	1 1.80	+21 22.2	2.732	3.689	4.8	20.9
11 7	0 54.71	+20 46.0	2.788	3.696	7.1	21.1
11 17	0 49.17	+20 9.3	2.872	3.703	9.4	21.3

37068 2000 UZ_{49} 10 13.2 11°.10 1°.6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.35	+ 6 7.8	1.795	2.655	13.8	18.7
9 18	1 31.34	+ 5 28.4	1.728	2.657	10.3	18.5
9 28	1 25.34	+ 4 39.7	1.684	2.658	6.3	18.2
10 8	1 18.04	+ 3 46.4	1.665	2.661	2.3	18.0
10 18	1 10.32	+ 2 54.7	1.674	2.663	3.2	18.1
10 28	1 3.16	+ 2 10.8	1.710	2.667	7.2	18.3
11 7	0 57.44	+ 1 39.7	1.772	2.670	11.1	18.6
11 17	0 53.75	+ 1 24.5	1.856	2.674	14.3	18.8

494463 2016 VS_{15} 10 13.2 7°.23 7°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.43	− 8 8.8	1.248	2.127	17.4	19.7
9 18	1 38.83	− 8 17.1	1.195	2.127	13.5	19.5
9 28	1 30.27	− 8 18.3	1.162	2.129	9.6	19.3
10 8	1 19.78	− 8 5.0	1.152	2.132	7.1	19.2
10 18	1 8.77	− 7 32.1	1.166	2.136	8.3	19.3
10 28	0 58.79	− 6 37.2	1.205	2.141	11.9	19.5
11 7	0 51.11	− 5 21.9	1.267	2.147	15.9	19.7
11 17	0 46.45	− 3 49.8	1.349	2.154	19.3	20.0

228007 2007 RE_{27} 10 13.2 337°.12 0°.2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.57	+ 9 1.1	4.051	4.882	7.3	20.4
9 18	1 25.31	+ 8 32.0	3.966	4.879	5.5	20.3
9 28	1 21.20	+ 7 57.6	3.908	4.876	3.4	20.1
10 8	1 16.54	+ 7 19.6	3.878	4.873	1.1	19.9
10 18	1 11.70	+ 6 40.5	3.878	4.870	1.2	20.0
10 28	1 7.05	+ 6 2.8	3.909	4.867	3.4	20.1
11 7	1 2.98	+ 5 29.2	3.969	4.865	5.5	20.3
11 17	0 59.78	+ 5 1.7	4.055	4.862	7.4	20.4

267681 2002 UV_{18} 10 13.2 11°.51 0°.5/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.67	+10 15.5	0.993	1.878	20.3	20.0
9 18	1 32.86	+10 12.6	0.942	1.881	15.5	19.7
9 28	1 26.85	+ 9 51.3	0.909	1.885	9.8	19.4
10 8	1 18.66	+ 9 16.2	0.896	1.892	3.6	19.1
10 18	1 9.79	+ 8 34.5	0.905	1.899	2.9	19.1
10 28	1 1.96	+ 7 55.7	0.938	1.909	9.0	19.5
11 7	0 56.53	+ 7 28.5	0.991	1.920	14.4	19.8
11 17	0 54.29	+ 7 18.4	1.064	1.932	19.0	20.1

263234 2008 AP_{69} 10 13.2 272°.67 4°.2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.05	+ 1 29.4	1.429	2.303	15.9	20.7
9 18	1 34.67	+ 0 25.1	1.359	2.295	11.9	20.4
9 28	1 27.70	− 0 47.7	1.312	2.287	7.6	20.1
10 8	1 18.94	− 2 0.8	1.289	2.279	4.3	19.9
10 18	1 9.51	− 3 5.2	1.292	2.271	6.0	20.0
10 28	1 0.75	− 3 52.1	1.320	2.264	10.3	20.2
11 7	0 53.83	− 4 16.2	1.372	2.256	14.6	20.5
11 17	0 49.51	− 4 15.8	1.444	2.248	18.4	20.7

337962 2002 AZ_{156} 10 13.2 159°.01 3°.8/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.69	+ 1 6.1	1.832	2.696	13.4	20.3
9 18	1 33.01	− 0 7.6	1.768	2.699	10.0	20.1
9 28	1 26.35	− 1 27.4	1.729	2.702	6.3	19.9
10 8	1 18.39	− 2 46.2	1.716	2.705	3.8	19.8
10 18	1 10.04	− 3 56.4	1.731	2.707	5.3	19.9
10 28	1 2.29	− 4 51.1	1.774	2.709	8.8	20.1
11 7	0 56.01	− 5 26.1	1.842	2.711	12.2	20.3
11 17	0 51.76	− 5 39.9	1.931	2.712	15.2	20.5

417549 2006 UZ_{48} 10 13.2 122°.03 3°.5/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.82	+18 59.1	1.632	2.445	17.1	21.4
9 18	1 37.21	+18 56.4	1.566	2.457	13.6	21.2
9 28	1 29.11	+18 33.0	1.520	2.470	9.5	21.0
10 8	1 19.38	+17 50.0	1.498	2.481	5.4	20.8
10 18	1 9.15	+16 51.7	1.504	2.492	3.6	20.7
10 28	0 59.72	+15 45.2	1.537	2.503	6.7	20.9
11 7	0 52.16	+14 39.4	1.596	2.513	10.7	21.2
11 17	0 47.15	+13 41.9	1.679	2.523	14.4	21.4

403913 2011 YQ_{56} 10 13.2 346°.75 1°.4/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 29.24	+ 2 12.8	4.146	4.992	6.9	21.0
9 18	1 25.77	+ 1 44.5	4.069	4.991	5.1	20.9
9 28	1 21.47	+ 1 13.8	4.019	4.991	3.1	20.7
10 8	1 16.64	+ 0 42.9	3.997	4.990	1.5	20.6
10 18	1 11.64	+ 0 14.1	4.006	4.989	2.1	20.6
10 28	1 6.85	− 0 10.2	4.046	4.988	4.0	20.8
11 7	1 2.61	− 0 28.2	4.113	4.988	5.9	20.9
11 17	0 59.24	− 0 38.5	4.207	4.987	7.6	21.1

260312 2004 TH_{138} 10 13.2 36°.06 4°.2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.48	+22 57.2	2.074	2.864	14.7	20.0
9 18	1 31.37	+22 49.7	1.996	2.868	12.0	19.8
9 28	1 25.35	+22 22.3	1.939	2.873	8.8	19.6
10 8	1 18.06	+21 35.8	1.906	2.877	5.7	19.5
10 18	1 10.34	+20 33.3	1.900	2.882	4.2	19.4
10 28	1 3.14	+19 20.4	1.923	2.887	5.8	19.5
11 7	0 57.29	+18 4.8	1.973	2.892	8.9	19.7
11 17	0 53.39	+16 53.3	2.047	2.897	11.9	19.9

132393 2002 GW_{95} 10 13.2 240°.69 1°.4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.11	+15 8.6	2.053	2.874	13.8	20.9
9 18	1 33.40	+14 37.7	1.958	2.860	10.7	20.7
9 28	1 26.69	+13 50.5	1.887	2.847	7.1	20.5
10 8	1 18.56	+12 49.3	1.841	2.832	3.2	20.2
10 18	1 9.85	+11 38.6	1.825	2.818	2.0	20.1
10 28	1 1.54	+10 24.9	1.837	2.803	5.9	20.3
11 7	0 54.53	+ 9 15.5	1.877	2.787	9.9	20.5
11 17	0 49.52	+ 8 16.6	1.942	2.771	13.3	20.7

390225 2012 XB_{42} 10 13.2 340°.40 3°.8/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.90	+ 0 11.2	1.569	2.440	14.9	20.5
9 18	1 34.30	− 0 26.4	1.503	2.436	11.1	20.3
9 28	1 27.33	− 1 8.4	1.458	2.433	7.1	20.1
10 8	1 18.78	− 1 48.7	1.439	2.430	4.0	19.9
10 18	1 9.69	− 2 20.4	1.446	2.427	5.4	20.0
10 28	1 1.25	− 2 37.8	1.479	2.424	9.3	20.2
11 7	0 54.51	− 2 37.2	1.536	2.422	13.2	20.4
11 17	0 50.16	− 2 17.7	1.615	2.420	16.7	20.7

472943 2015 GL_{27} 10 13.2 183°.47 0°.9/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.17	+ 8 23.8	1.938	2.780	13.7	22.1
9 18	1 34.85	+ 7 40.4	1.863	2.781	10.3	21.9
9 28	1 27.51	+ 6 45.6	1.810	2.781	6.3	21.7
10 8	1 18.82	+ 5 43.8	1.785	2.781	2.1	21.4
10 18	1 9.66	+ 4 40.9	1.788	2.780	2.6	21.5
10 28	1 1.06	+ 3 43.4	1.821	2.778	6.8	21.7
11 7	0 53.90	+ 2 57.1	1.880	2.775	10.7	22.0
11 17	0 48.82	+ 2 25.8	1.963	2.772	14.0	22.2

42242 2001 FU_{61} 10 13.2 76°.10 3°.4/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.50	+ 0 8.7	2.208	3.071	11.5	18.9
9 18	1 30.31	− 0 55.8	2.146	3.076	8.5	18.7
9 28	1 24.53	− 2 4.1	2.109	3.082	5.5	18.5
10 8	1 17.75	− 3 10.5	2.100	3.087	3.4	18.4
10 18	1 10.66	− 4 9.3	2.119	3.093	4.7	18.5
10 28	1 4.06	− 4 55.2	2.166	3.099	7.6	18.7
11 7	0 58.62	− 5 24.8	2.239	3.104	10.5	18.9
11 17	0 54.84	− 5 36.8	2.335	3.110	13.1	19.1

270229 2001 TX_{198} 10 13.2 43°.70 3°.7/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.96	+ 2 25.9	1.441	2.315	15.8	20.2
9 18	1 33.66	+ 1 22.4	1.384	2.320	11.7	19.9
9 28	1 26.94	+ 0 10.8	1.348	2.324	7.3	19.7
10 8	1 18.63	− 1 1.1	1.337	2.329	3.9	19.5
10 18	1 9.86	− 2 4.4	1.353	2.334	5.5	19.6
10 28	1 1.87	− 2 51.2	1.394	2.340	9.6	19.9
11 7	0 55.69	− 3 16.7	1.458	2.345	13.7	20.2
11 17	0 51.99	− 3 19.5	1.543	2.351	17.2	20.4

393185 2013 CZ_{113} 10 13.2 148°.78 1°.0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.47	+ 7 29.5	1.949	2.798	13.3	21.7
9 18	1 32.81	+ 6 52.2	1.877	2.800	10.0	21.4
9 28	1 26.22	+ 6 4.9	1.829	2.802	6.1	21.2
10 8	1 18.37	+ 5 11.9	1.807	2.803	2.1	21.0
10 18	1 10.10	+ 4 18.7	1.814	2.805	2.7	21.0
10 28	1 2.38	+ 3 31.2	1.849	2.806	6.7	21.3
11 7	0 56.03	+ 2 54.7	1.910	2.807	10.4	21.5
11 17	0 51.64	+ 2 32.5	1.995	2.809	13.6	21.7

30513 2001 HE_{48} 10 13.2 14°.95 10°.0/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.65	−13 31.4	1.520	2.399	14.8	18.0
9 18	1 31.84	−15 24.6	1.478	2.401	12.1	17.9
9 28	1 25.75	−17 8.9	1.459	2.404	10.3	17.8
10 8	1 18.22	−18 33.1	1.464	2.407	10.1	17.8
10 18	1 10.28	−19 28.4	1.493	2.410	11.8	17.9
10 28	1 3.11	−19 49.7	1.544	2.414	14.3	18.1
11 7	0 57.66	−19 37.2	1.616	2.419	16.9	18.3
11 17	0 54.52	−18 54.7	1.704	2.424	19.2	18.5

120569 Huangrunqian 10 13.2 202°.62 3°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.50	− 2 2.0	2.820	3.675	9.5	20.4
9 18	1 30.05	− 3 2.0	2.746	3.671	7.1	20.2
9 28	1 24.28	− 4 4.0	2.699	3.667	4.7	20.1
10 8	1 17.67	− 5 3.6	2.680	3.662	3.3	20.0
10 18	1 10.76	− 5 56.1	2.690	3.657	4.4	20.1
10 28	1 4.19	− 6 37.5	2.730	3.652	6.8	20.2
11 7	0 58.52	− 7 5.1	2.797	3.646	9.2	20.4
11 17	0 54.20	− 7 17.6	2.887	3.640	11.4	20.5

379622 2011 DF_{6} 10 13.2 208°.86 0°.8/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.44	+ 8 53.8	1.836	2.681	14.2	21.7
9 18	1 34.47	+ 8 8.6	1.757	2.676	10.7	21.4
9 28	1 27.37	+ 7 10.6	1.700	2.672	6.6	21.2
10 8	1 18.81	+ 6 4.3	1.670	2.666	2.2	20.9
10 18	1 9.71	+ 4 56.0	1.669	2.660	2.7	20.9
10 28	1 1.14	+ 3 53.0	1.696	2.654	7.1	21.2
11 7	0 54.07	+ 3 1.7	1.749	2.647	11.2	21.4
11 17	0 49.15	+ 2 26.5	1.825	2.639	14.7	21.6

401351 2013 AG_{147} 10 13.2 158°.57 4°.0/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.93	+23 20.2	2.113	2.897	14.7	21.3
9 18	1 32.43	+22 59.2	2.030	2.900	11.9	21.1
9 28	1 26.01	+22 17.3	1.969	2.902	8.7	20.9
10 8	1 18.32	+21 15.8	1.933	2.905	5.6	20.7
10 18	1 10.19	+19 58.0	1.924	2.907	4.0	20.6
10 28	1 2.59	+18 30.3	1.944	2.909	5.7	20.7
11 7	0 56.36	+17 0.8	1.993	2.911	8.9	20.9
11 17	0 52.08	+15 37.0	2.066	2.912	12.0	21.1

292275 2006 SB_{120} 10 13.2 281°.30 4°.0/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.31	+ 0 1.3	1.934	2.801	12.7	20.2
9 18	1 31.29	− 1 11.9	1.856	2.788	9.5	20.0
9 28	1 25.36	− 2 31.1	1.803	2.776	6.2	19.8
10 8	1 18.12	− 3 49.5	1.776	2.763	4.1	19.6
10 18	1 10.37	− 4 59.8	1.777	2.750	5.6	19.7
10 28	1 3.06	− 5 54.9	1.806	2.738	8.9	19.9
11 7	0 57.06	− 6 30.4	1.859	2.725	12.3	20.1
11 17	0 52.97	− 6 44.4	1.934	2.712	15.3	20.2

65123 2002 CN_{61} 10 13.2 199°.45 5°.4/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.16	− 7 9.1	2.230	3.092	11.4	19.6
9 18	1 32.33	− 8 6.8	2.167	3.091	8.8	19.4
9 28	1 25.82	− 9 2.7	2.129	3.090	6.4	19.3
10 8	1 18.23	− 9 50.9	2.118	3.088	5.4	19.2
10 18	1 10.31	−10 25.9	2.135	3.087	6.6	19.3
10 28	1 2.87	−10 43.7	2.179	3.085	9.0	19.4
11 7	0 56.65	−10 42.6	2.248	3.084	11.6	19.6
11 17	0 52.17	−10 22.8	2.338	3.082	13.9	19.8

343262 2009 YC_{20} 10 13.2 319°.35 3°.8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.89	+18 23.5	1.520	2.347	17.5	20.6
9 18	1 34.67	+18 34.0	1.441	2.340	14.0	20.3
9 28	1 27.81	+18 23.8	1.381	2.334	9.9	20.1
10 8	1 19.06	+17 53.3	1.344	2.328	5.7	19.8
10 18	1 9.53	+17 5.4	1.333	2.322	4.0	19.7
10 28	1 0.59	+16 7.2	1.348	2.317	7.2	19.9
11 7	0 53.47	+15 7.4	1.388	2.312	11.5	20.1
11 17	0 48.99	+14 14.6	1.451	2.307	15.6	20.4

482567 2012 WH_{6} 10 13.2 352°.92 1°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.08	+ 7 13.4	1.418	2.286	16.3	21.1
9 18	1 33.21	+ 6 47.3	1.350	2.282	12.3	20.9
9 28	1 26.81	+ 6 9.1	1.303	2.279	7.6	20.6
10 8	1 18.68	+ 5 23.6	1.280	2.277	2.6	20.3
10 18	1 9.92	+ 4 37.5	1.283	2.275	3.2	20.3
10 28	1 1.85	+ 3 58.4	1.312	2.274	8.2	20.6
11 7	0 55.59	+ 3 32.5	1.364	2.274	12.8	20.9
11 17	0 51.88	+ 3 23.8	1.438	2.274	16.8	21.2

136351 2004 CZ_{71} 10 13.2 97°.43 3°.2/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 43.19	+ 1 30.4	1.523	2.386	15.7	19.9
9 18	1 37.44	+ 0 59.7	1.466	2.396	11.7	19.6
9 28	1 29.24	+ 0 23.8	1.432	2.406	7.3	19.4
10 8	1 19.47	− 0 11.3	1.423	2.415	3.6	19.2
10 18	1 9.28	− 0 39.3	1.441	2.425	4.8	19.3
10 28	0 59.94	− 0 54.6	1.485	2.434	8.9	19.6
11 7	0 52.49	− 0 53.8	1.555	2.443	12.9	19.9
11 17	0 47.58	− 0 36.0	1.645	2.452	16.4	20.1

327509 2006 BV_{6} 10 13.2 178°.84 5°.4/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.89	−10 44.8	2.859	3.714	9.4	21.2
9 18	1 30.32	−11 57.8	2.801	3.715	7.4	21.0
9 28	1 24.45	−13 7.4	2.769	3.716	5.9	20.9
10 8	1 17.76	−14 8.3	2.765	3.716	5.5	20.9
10 18	1 10.81	−14 55.8	2.790	3.716	6.5	21.0
10 28	1 4.23	−15 26.7	2.842	3.716	8.3	21.1
11 7	0 58.59	−15 39.5	2.919	3.715	10.3	21.2
11 17	0 54.30	−15 34.3	3.018	3.714	12.0	21.4

211708 2003 XB_{10} 10 13.2 278°.81 1°.8/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.25	+ 3 32.3	1.936	2.785	13.4	20.2
9 18	1 36.69	+ 3 23.8	1.840	2.763	10.2	20.0
9 28	1 28.88	+ 3 9.7	1.768	2.740	6.4	19.7
10 8	1 19.43	+ 2 53.5	1.723	2.718	2.5	19.4
10 18	1 9.22	+ 2 39.2	1.706	2.695	3.3	19.4
10 28	0 59.36	+ 2 31.5	1.718	2.672	7.4	19.6
11 7	0 50.89	+ 2 34.1	1.757	2.649	11.5	19.8
11 17	0 44.57	+ 2 49.3	1.819	2.626	15.0	20.0

383558 2007 EQ_{41} 10 13.2 320°.08 1°.8/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.94	+ 7 8.9	1.286	2.161	17.2	20.8
9 18	1 32.73	+ 6 25.0	1.210	2.146	13.0	20.5
9 28	1 26.74	+ 5 25.6	1.154	2.132	8.1	20.2
10 8	1 18.73	+ 4 16.8	1.121	2.118	2.9	19.9
10 18	1 9.88	+ 3 7.3	1.113	2.104	4.0	19.9
10 28	1 1.63	+ 2 7.3	1.130	2.091	9.4	20.2
11 7	0 55.29	+ 1 25.2	1.170	2.079	14.5	20.4
11 17	0 51.73	+ 1 5.7	1.229	2.068	18.9	20.7

333352 2001 UK_{6} 10 13.2 3°.70 3°.7/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.09	+ 2 52.7	1.040	1.937	18.6	19.5
9 18	1 31.54	+ 2 10.9	0.988	1.936	13.9	19.2
9 28	1 26.00	+ 1 19.2	0.955	1.936	8.6	18.9
10 8	1 18.44	+ 0 26.3	0.943	1.937	4.1	18.7
10 18	1 10.22	− 0 18.1	0.953	1.940	5.8	18.8
10 28	1 2.93	− 0 45.0	0.987	1.945	10.8	19.1
11 7	0 57.87	− 0 49.2	1.041	1.952	15.8	19.4
11 17	0 55.77	− 0 29.4	1.113	1.960	19.9	19.7

505892 2015 DN_{165} 10 13.2 109°.29 1°.2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.17	+11 45.7	1.582	2.421	16.4	21.4
9 18	1 37.54	+11 47.6	1.515	2.428	12.5	21.2
9 28	1 29.40	+11 35.6	1.469	2.435	8.1	20.9
10 8	1 19.57	+11 11.8	1.449	2.442	3.3	20.7
10 18	1 9.20	+10 40.5	1.455	2.449	2.3	20.6
10 28	0 59.58	+10 7.8	1.489	2.455	7.0	20.9
11 7	0 51.80	+ 9 40.0	1.549	2.462	11.4	21.2
11 17	0 46.59	+ 9 22.1	1.632	2.468	15.1	21.5

259460 2003 SZ_{100} 10 13.2 17°.02 4°.5/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.84	+23 16.5	1.959	2.752	15.4	19.4
9 18	1 31.03	+23 14.4	1.882	2.756	12.5	19.2
9 28	1 25.24	+22 51.5	1.826	2.760	9.3	19.0
10 8	1 18.11	+22 8.3	1.794	2.765	6.1	18.9
10 18	1 10.51	+21 7.9	1.789	2.769	4.5	18.8
10 28	1 3.46	+19 56.2	1.811	2.775	6.1	18.9
11 7	0 57.81	+18 40.8	1.859	2.781	9.2	19.1
11 17	0 54.18	+17 29.4	1.932	2.787	12.3	19.3

258668 2002 EQ_{105} 10 13.2 184°.35 3°.5/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.59	− 2 18.2	2.444	3.299	10.8	20.4
9 18	1 32.53	− 2 58.3	2.374	3.299	8.1	20.2
9 28	1 25.91	− 3 39.6	2.330	3.299	5.3	20.1
10 8	1 18.29	− 4 17.7	2.314	3.298	3.5	20.0
10 18	1 10.36	− 4 48.2	2.326	3.297	4.6	20.0
10 28	1 2.86	− 5 7.1	2.367	3.296	7.2	20.2
11 7	0 56.46	− 5 12.3	2.435	3.295	10.0	20.4
11 17	0 51.67	− 5 2.8	2.527	3.294	12.4	20.5

319370 2006 DL_{71} 10 13.2 187°.97 1°.8/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.68	+14 47.0	2.493	3.305	11.9	21.2
9 18	1 32.69	+14 48.4	2.409	3.305	9.3	21.0
9 28	1 26.08	+14 38.5	2.349	3.304	6.2	20.8
10 8	1 18.38	+14 18.7	2.316	3.304	3.1	20.6
10 18	1 10.27	+13 51.2	2.312	3.303	2.0	20.6
10 28	1 2.55	+13 20.0	2.338	3.303	4.9	20.8
11 7	0 55.92	+12 49.3	2.391	3.302	8.0	20.9
11 17	0 50.94	+12 23.3	2.471	3.301	10.8	21.1

128462 2004 OU_4 10 13.2 61°.07 0°.2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.43	+10 52.1	1.892	2.734	14.0	20.3
9 18	1 32.71	+10 22.8	1.836	2.753	10.5	20.1
9 28	1 26.12	+ 9 41.4	1.803	2.772	6.6	19.9
10 8	1 18.37	+ 8 51.8	1.797	2.792	2.3	19.7
10 18	1 10.34	+ 7 59.2	1.818	2.811	2.0	19.7
10 28	1 2.97	+ 7 9.6	1.867	2.831	6.1	20.0
11 7	0 57.07	+ 6 28.4	1.943	2.850	9.7	20.3
11 17	0 53.14	+ 5 59.4	2.043	2.870	12.9	20.5

303081 2004 AC_3 10 13.2 315°.41 9°.0/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.11	−15 31.8	1.740	2.597	14.3	19.9
9 18	1 37.26	−16 21.1	1.682	2.591	11.8	19.7
9 28	1 29.10	−16 59.8	1.646	2.586	9.7	19.6
10 8	1 19.45	−17 20.0	1.635	2.580	9.1	19.5
10 18	1 9.35	−17 15.7	1.649	2.575	10.3	19.6
10 28	1 0.00	−16 43.9	1.688	2.570	12.6	19.7
11 7	0 52.37	−15 46.0	1.750	2.565	15.3	19.9
11 17	0 47.13	−14 25.5	1.831	2.560	17.8	20.1

151700 2003 BQ_{17} 10 13.2 245°.30 0°.2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.72	+10 55.3	1.771	2.612	14.8	20.9
9 18	1 34.89	+10 28.8	1.686	2.602	11.3	20.6
9 28	1 27.78	+ 9 48.2	1.622	2.590	7.2	20.3
10 8	1 19.05	+ 8 56.7	1.584	2.579	2.6	20.0
10 18	1 9.65	+ 7 59.5	1.574	2.567	2.2	20.0
10 28	1 0.74	+ 7 3.5	1.592	2.555	6.9	20.3
11 7	0 53.35	+ 6 15.8	1.636	2.543	11.3	20.5
11 17	0 48.23	+ 5 41.4	1.703	2.530	15.0	20.7

282445 2003 YP_{102} 10 13.2 239°.75 2°.2/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.00	+ 5 24.3	1.732	2.587	14.4	21.2
9 18	1 35.11	+ 4 32.2	1.649	2.575	10.8	20.9
9 28	1 27.92	+ 3 29.2	1.589	2.563	6.7	20.7
10 8	1 19.10	+ 2 20.7	1.555	2.549	2.7	20.4
10 18	1 9.63	+ 1 14.0	1.549	2.536	3.9	20.4
10 28	1 0.65	+ 0 16.7	1.570	2.522	8.3	20.7
11 7	0 53.22	− 0 24.8	1.618	2.507	12.5	20.9
11 17	0 48.07	− 0 47.1	1.687	2.492	16.1	21.1

124276 2001 QJ_{26} 10 13.2 39°.15 2°.2/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.58	+13 33.3	0.891	1.767	22.9	19.8
9 18	1 37.35	+13 38.9	0.856	1.787	17.5	19.5
9 28	1 29.59	+13 20.7	0.837	1.809	11.4	19.3
10 8	1 19.65	+12 42.4	0.838	1.831	5.0	19.0
10 18	1 9.29	+11 52.1	0.861	1.855	3.2	19.0
10 28	1 0.42	+11 0.8	0.907	1.879	8.9	19.5
11 7	0 54.41	+10 18.9	0.974	1.905	14.4	19.9
11 17	0 51.87	+ 9 53.2	1.060	1.931	18.9	20.2

268729 2006 JF_{56} 10 13.2 244°.92 20°.2/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.21	−34 20.3	1.193	2.014	21.7	20.4
9 18	1 45.37	−36 22.4	1.164	2.007	20.6	20.3
9 28	1 34.65	−37 49.5	1.150	2.000	20.2	20.2
10 8	1 21.43	−38 26.2	1.154	1.992	20.7	20.2
10 18	1 7.67	−38 4.1	1.174	1.984	21.9	20.3
10 28	0 55.50	−36 43.2	1.209	1.975	23.6	20.4
11 7	0 46.45	−34 32.2	1.259	1.967	25.5	20.5
11 17	0 41.24	−31 43.0	1.321	1.958	27.2	20.7

113125 2002 RA_{82} 10 13.2 309°.75 2°.9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.28	+ 5 41.7	1.649	2.518	14.4	19.2
9 18	1 30.16	+ 4 15.0	1.566	2.501	10.7	18.9
9 28	1 24.86	+ 2 33.7	1.506	2.483	6.6	18.7
10 8	1 18.04	+ 0 45.5	1.472	2.466	3.1	18.4
10 18	1 10.59	− 1 0.2	1.466	2.449	4.8	18.5
10 28	1 3.59	− 2 32.9	1.486	2.433	9.1	18.7
11 7	0 58.05	− 3 44.9	1.531	2.417	13.2	18.9
11 17	0 54.67	− 4 31.6	1.597	2.401	16.9	19.1

345493 2006 JY_2 10 13.2 328°.89 1°.9/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.69	+16 36.3	1.656	2.489	16.0	20.6
9 18	1 31.95	+15 59.2	1.577	2.485	12.5	20.4
9 28	1 25.95	+15 1.2	1.520	2.482	8.4	20.2
10 8	1 18.40	+13 45.4	1.488	2.478	3.9	19.9
10 18	1 10.29	+12 18.0	1.482	2.475	2.4	19.8
10 28	1 2.76	+10 47.8	1.504	2.473	6.6	20.1
11 7	0 56.82	+ 9 24.1	1.552	2.470	10.9	20.3
11 17	0 53.16	+ 8 14.4	1.623	2.468	14.7	20.5

252778 2002 EY_{126} 10 13.2 243°.27 1°.0/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.98	+14 7.1	1.470	2.314	17.2	20.6
9 18	1 34.71	+13 27.9	1.392	2.308	13.2	20.3
9 28	1 27.83	+12 27.7	1.334	2.301	8.6	20.0
10 8	1 19.10	+11 10.4	1.301	2.295	3.5	19.7
10 18	1 9.66	+ 9 43.0	1.294	2.288	2.4	19.6
10 28	1 0.86	+ 8 15.5	1.315	2.281	7.6	19.9
11 7	0 53.89	+ 6 58.0	1.360	2.274	12.5	20.2
11 17	0 49.56	+ 5 57.9	1.427	2.267	16.7	20.4

478560 2012 TJ_{56} 10 13.3 349°.24 2°.0/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.16	+15 29.7	1.593	2.430	16.4	20.8
9 18	1 33.13	+15 11.4	1.518	2.428	12.8	20.6
9 28	1 26.72	+14 34.1	1.464	2.426	8.5	20.3
10 8	1 18.69	+13 40.3	1.434	2.425	4.0	20.1
10 18	1 10.05	+12 35.3	1.431	2.424	2.5	20.0
10 28	1 2.03	+11 26.8	1.454	2.423	6.7	20.2
11 7	0 55.69	+10 23.5	1.503	2.422	11.1	20.5
11 17	0 51.74	+ 9 32.1	1.575	2.422	15.0	20.7

452164 2015 RY_{65} 10 13.3 85°.34 2°.7/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.35	+15 1.4	2.014	2.824	14.4	21.3
9 18	1 37.96	+15 32.4	1.945	2.838	11.2	21.1
9 28	1 29.47	+15 50.9	1.900	2.852	7.7	20.9
10 8	1 19.59	+15 57.0	1.881	2.866	4.1	20.7
10 18	1 9.27	+15 52.4	1.891	2.880	2.9	20.7
10 28	0 59.57	+15 40.6	1.930	2.894	5.8	20.9
11 7	0 51.42	+15 26.7	1.996	2.907	9.3	21.1
11 17	0 45.44	+15 15.1	2.088	2.921	12.4	21.4

266752 2009 SJ_{70} 10 13.3 131°.22 3°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.21	+ 2 2.3	1.701	2.559	14.5	20.9
9 18	1 36.53	+ 1 22.3	1.640	2.568	10.8	20.7
9 28	1 28.62	+ 0 36.7	1.603	2.576	6.7	20.5
10 8	1 19.29	− 0 8.8	1.592	2.584	3.3	20.3
10 18	1 9.56	− 0 48.0	1.609	2.592	4.5	20.4
10 28	1 0.57	− 1 15.1	1.653	2.600	8.4	20.6
11 7	0 53.27	− 1 26.4	1.723	2.607	12.2	20.9
11 17	0 48.27	− 1 20.5	1.815	2.613	15.4	21.1

523357 2017 CS_6 10 13.3 232°.40 5°.2/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.65	− 7 13.2	2.334	3.196	10.9	21.3
9 18	1 31.17	− 8 14.6	2.271	3.195	8.4	21.2
9 28	1 25.12	− 9 14.4	2.234	3.193	6.2	21.0
10 8	1 18.06	−10 6.6	2.223	3.192	5.2	21.0
10 18	1 10.68	−10 46.1	2.241	3.191	6.4	21.1
10 28	1 3.75	−11 8.8	2.285	3.189	8.8	21.2
11 7	0 57.94	−11 12.9	2.355	3.188	11.3	21.4
11 17	0 53.76	−10 58.4	2.446	3.186	13.5	21.5

104070 2000 EM_{23} 10 13.3 153°.43 0°.6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.35	+ 8 53.6	1.929	2.775	13.6	20.2
9 18	1 32.79	+ 8 16.5	1.856	2.776	10.2	20.0
9 28	1 26.29	+ 7 28.0	1.806	2.777	6.3	19.8
10 8	1 18.50	+ 6 32.4	1.783	2.778	2.1	19.5
10 18	1 10.28	+ 5 35.0	1.787	2.779	2.4	19.5
10 28	1 2.59	+ 4 42.3	1.821	2.780	6.5	19.8
11 7	0 56.29	+ 3 59.7	1.880	2.781	10.4	20.1
11 17	0 51.97	+ 3 31.1	1.963	2.782	13.6	20.3

281889 2010 LC_{62} 10 13.3 28°.93 3°.7/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.46	+ 1 30.4	1.553	2.427	14.8	19.8
9 18	1 32.40	+ 0 31.8	1.498	2.433	11.0	19.6
9 28	1 26.13	− 0 33.0	1.465	2.440	6.9	19.4
10 8	1 18.45	− 1 36.6	1.456	2.447	3.9	19.2
10 18	1 10.36	− 2 31.4	1.475	2.455	5.3	19.3
10 28	1 2.99	− 3 10.6	1.519	2.463	9.2	19.6
11 7	0 57.28	− 3 30.0	1.587	2.472	12.9	19.8
11 17	0 53.82	− 3 28.4	1.677	2.481	16.2	20.1

38359 1999 RJ_{154} 10 13.3 50°.17 4°.0/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.78	+ 3 53.4	1.394	2.271	16.0	18.4
9 18	1 31.94	+ 2 10.1	1.352	2.290	11.7	18.2
9 28	1 25.82	+ 0 17.3	1.332	2.309	7.2	18.0
10 8	1 18.32	− 1 34.4	1.338	2.329	4.0	17.8
10 18	1 10.53	− 3 14.2	1.370	2.350	5.8	18.0
10 28	1 3.63	− 4 32.7	1.429	2.370	9.9	18.3
11 7	0 58.53	− 5 24.8	1.510	2.391	13.7	18.6
11 17	0 55.77	− 5 49.7	1.612	2.412	16.9	18.8

191203 2002 PT_{94} 10 13.3 355°.49 4°.9/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.26	− 4 44.9	2.183	3.051	11.4	19.3
9 18	1 30.24	− 5 51.8	2.121	3.050	8.6	19.1
9 28	1 24.59	− 6 59.0	2.083	3.049	6.1	19.0
10 8	1 17.89	− 8 0.3	2.072	3.048	4.9	18.9
10 18	1 10.86	− 8 49.8	2.089	3.048	6.2	19.0
10 28	1 4.28	− 9 22.8	2.133	3.048	8.7	19.2
11 7	0 58.88	− 9 36.9	2.202	3.048	11.4	19.3
11 17	0 55.14	− 9 31.5	2.292	3.048	13.9	19.5

267106 2000 AE_{82} 10 13.3 279°.62 2°.7/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.04	+16 50.6	1.565	2.395	17.0	20.6
9 18	1 34.88	+16 39.8	1.471	2.375	13.4	20.3
9 28	1 28.07	+16 8.2	1.397	2.356	9.2	20.0
10 8	1 19.27	+15 16.7	1.348	2.336	4.8	19.7
10 18	1 9.53	+14 9.3	1.324	2.316	3.1	19.5
10 28	1 0.23	+12 53.8	1.327	2.296	7.3	19.7
11 7	0 52.62	+11 40.2	1.356	2.276	12.0	20.0
11 17	0 47.62	+10 37.1	1.406	2.255	16.4	20.2

326319 1999 VV_{124} 10 13.3 48°.86 4°.1/10.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 41.80	+ 1 8.9	1.191	2.071	18.0	20.6
9 18	1 36.81	+ 0 27.6	1.148	2.086	13.4	20.4
9 28	1 29.01	− 0 19.4	1.125	2.102	8.4	20.1
10 8	1 19.45	− 1 3.8	1.126	2.118	4.4	20.0
10 18	1 9.54	− 1 37.8	1.152	2.135	5.8	20.1
10 28	1 0.74	− 1 54.5	1.202	2.152	10.3	20.4
11 7	0 54.20	− 1 50.7	1.274	2.170	14.7	20.7
11 17	0 50.54	− 1 26.5	1.367	2.188	18.3	21.0

8297 Gérardfaure 10 13.3 253°.16 1°.6/12.0 18

9 8	1 39.34	+ 7 46.3	1.442	2.304	16.5	18.2
9 18	1 34.96	+ 6 56.2	1.369	2.298	12.4	17.9
9 28	1 27.98	+ 5 51.4	1.317	2.292	7.7	17.6
10 8	1 19.18	+ 4 37.7	1.289	2.285	2.7	17.3
10 18	1 9.68	+ 3 23.5	1.288	2.278	3.6	17.4
10 28	1 0.85	+ 2 18.0	1.313	2.272	8.7	17.7
11 7	0 53.85	+ 1 29.1	1.363	2.265	13.4	17.9
11 17	0 49.47	+ 1 1.2	1.433	2.258	17.4	18.2

371365 2006 PF_{21} 10 13.3 21°.29 1°.3/14.0 17

9 8	1 38.49	+11 26.4	1.005	1.882	20.8	20.1
9 18	1 34.99	+11 31.4	0.956	1.889	15.9	19.8
9 28	1 28.23	+11 17.2	0.924	1.898	10.2	19.6
10 8	1 19.28	+10 47.3	0.913	1.908	4.1	19.3
10 18	1 9.68	+10 8.3	0.925	1.919	2.8	19.2
10 28	1 1.18	+ 9 29.5	0.960	1.932	8.8	19.6
11 7	0 55.19	+ 8 59.9	1.017	1.946	14.2	20.0
11 17	0 52.45	+ 8 45.5	1.093	1.960	18.7	20.3

516122 2015 UP_{58} 10 13.3 100°.30 4°.6/ 8.4 18

9 8	1 36.97	− 5 7.9	2.292	3.152	11.2	21.5
9 18	1 32.10	− 6 1.3	2.237	3.162	8.5	21.3
9 28	1 25.66	− 6 53.8	2.207	3.172	5.9	21.2
10 8	1 18.25	− 7 40.0	2.205	3.181	4.6	21.1
10 18	1 10.59	− 8 15.0	2.231	3.191	5.7	21.2
10 28	1 3.45	− 8 34.9	2.285	3.200	8.2	21.4
11 7	0 57.50	− 8 38.0	2.364	3.210	10.8	21.6
11 17	0 53.21	− 8 24.3	2.466	3.219	13.0	21.8

261871 2006 FR_{49} 10 13.3 220°.81 5°.9/ 4.9 17

9 8	1 35.93	−13 56.2	2.964	3.812	9.3	21.3
9 18	1 31.13	−15 0.2	2.898	3.803	7.5	21.2
9 28	1 25.01	−15 59.3	2.858	3.794	6.3	21.1
10 8	1 18.03	−16 48.3	2.846	3.784	6.0	21.0
10 18	1 10.76	−17 23.0	2.861	3.773	7.0	21.1
10 28	1 3.82	−17 40.3	2.904	3.763	8.7	21.2
11 7	0 57.79	−17 39.3	2.971	3.751	10.5	21.3
11 17	0 53.11	−17 20.5	3.060	3.740	12.2	21.4

150912 2001 TT_{28} 10 13.3 47°.80 2°.6/15.2 18

9 8	1 41.08	+15 22.4	1.549	2.382	17.0	19.7
9 18	1 36.15	+15 30.2	1.478	2.384	13.3	19.5
9 28	1 28.66	+15 20.5	1.428	2.387	9.0	19.3
10 8	1 19.41	+14 54.6	1.401	2.390	4.5	19.0
10 18	1 9.52	+14 16.2	1.401	2.393	3.0	18.9
10 28	1 0.32	+13 31.7	1.428	2.396	6.9	19.2
11 7	0 52.96	+12 49.0	1.480	2.399	11.3	19.4
11 17	0 48.19	+12 14.4	1.555	2.403	15.1	19.7

215832 2005 BR_{27} 10 13.3 184°.12 4°.7/ 9.4 17

9 8	1 40.65	− 0 12.4	1.556	2.424	15.1	20.5
9 18	1 35.64	− 1 25.2	1.492	2.425	11.3	20.3
9 28	1 28.23	− 2 43.9	1.452	2.425	7.4	20.1
10 8	1 19.23	− 4 0.0	1.437	2.424	4.8	19.9
10 18	1 9.71	− 5 4.8	1.449	2.424	6.4	20.0
10 28	1 0.90	− 5 50.7	1.488	2.422	10.2	20.2
11 7	0 53.85	− 6 13.4	1.550	2.421	14.0	20.5
11 17	0 49.24	− 6 12.2	1.633	2.419	17.4	20.7

378034 2006 SH_{392} 10 13.3 122°.65 0°.2/13.1 16

9 8	1 38.56	+11 41.3	1.505	2.356	16.5	21.4
9 18	1 34.18	+10 47.3	1.438	2.360	12.5	21.2
9 28	1 27.36	+ 9 35.3	1.393	2.364	7.8	20.9
10 8	1 18.94	+ 8 10.8	1.372	2.368	2.7	20.6
10 18	1 9.99	+ 6 41.9	1.378	2.371	2.6	20.6
10 28	1 1.78	+ 5 18.5	1.412	2.375	7.6	21.0
11 7	0 55.35	+ 4 9.0	1.470	2.378	12.2	21.3
11 17	0 51.40	+ 3 19.1	1.551	2.382	16.0	21.5

473491 2015 XP_{97} 10 13.3 341°.48 2°.8/16.6 17

9 8	1 34.28	+20 15.9	2.218	3.020	13.5	21.6
9 18	1 30.40	+19 45.6	2.134	3.018	10.8	21.4
9 28	1 24.78	+18 57.2	2.071	3.017	7.6	21.2
10 8	1 18.00	+17 52.3	2.035	3.016	4.4	21.0
10 18	1 10.82	+16 35.1	2.026	3.015	2.9	20.9
10 28	1 4.09	+15 11.6	2.047	3.014	5.2	21.1
11 7	0 58.56	+13 49.1	2.095	3.013	8.5	21.3
11 17	0 54.80	+12 34.0	2.170	3.013	11.6	21.5

322754 2001 BU_{77} 10 13.3 235°.62 3°.6/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 36.32	+24 40.9	3.041	3.796	11.3	21.6
9 18	1 31.59	+24 26.9	2.931	3.780	9.3	21.4
9 28	1 25.41	+23 57.3	2.845	3.763	7.0	21.3
10 8	1 18.23	+23 12.4	2.784	3.746	4.8	21.1
10 18	1 10.63	+22 14.0	2.753	3.729	3.6	21.0
10 28	1 3.30	+21 5.6	2.752	3.711	4.7	21.1
11 7	0 56.88	+19 52.4	2.781	3.692	7.0	21.2
11 17	0 51.88	+18 39.9	2.837	3.673	9.4	21.3

373208 2012 EJ_{2} 10 13.3 234°.88 2°.1/14.8 17

9 8	1 42.55	+14 23.5	1.505	2.340	17.3	21.9
9 18	1 37.47	+14 23.0	1.425	2.334	13.5	21.7
9 28	1 29.63	+14 4.9	1.366	2.328	9.0	21.4
10 8	1 19.83	+13 30.6	1.331	2.322	4.2	21.1
10 18	1 9.21	+12 44.1	1.322	2.315	2.7	21.0
10 28	0 59.21	+11 52.7	1.340	2.308	7.4	21.3
11 7	0 51.09	+11 4.7	1.383	2.300	12.1	21.5
11 17	0 45.71	+10 27.1	1.449	2.293	16.3	21.8

93130 2000 SZ_{65} 10 13.3 39°.43 0°.7/13.8 18

9 8	1 41.08	+10 31.4	1.531	2.380	16.4	19.1
9 18	1 36.09	+10 30.3	1.465	2.384	12.5	18.9
9 28	1 28.59	+10 15.9	1.419	2.388	8.0	18.6
10 8	1 19.40	+ 9 51.1	1.399	2.393	3.0	18.3
10 18	1 9.64	+ 9 20.4	1.404	2.398	2.3	18.3
10 28	1 0.61	+ 8 49.9	1.437	2.403	7.1	18.6
11 7	0 53.40	+ 8 25.9	1.495	2.409	11.6	18.9
11 17	0 48.73	+ 8 13.0	1.575	2.414	15.4	19.1

484331 2007 TU_{397} 10 13.3 276°.09 0°.7/13.8 17

9 8	1 42.44	+ 9 58.1	1.972	2.804	13.9	21.5
9 18	1 36.92	+10 7.2	1.872	2.783	10.7	21.3
9 28	1 29.12	+10 6.7	1.796	2.762	6.9	21.0
10 8	1 19.64	+ 9 58.0	1.746	2.740	2.7	20.7
10 18	1 9.36	+ 9 43.8	1.725	2.718	2.0	20.6
10 28	0 59.39	+ 9 28.3	1.732	2.696	6.4	20.8
11 7	0 50.78	+ 9 16.3	1.767	2.674	10.6	21.0
11 17	0 44.32	+ 9 11.8	1.826	2.651	14.2	21.2

514970 2009 CZ_{15} 10 13.3 311°.13 10°.9/22.2 18

9 8	1 46.52	+35 23.8	1.915	2.619	18.5	21.1
9 18	1 40.68	+36 59.1	1.830	2.616	16.5	20.9
9 28	1 31.84	+38 11.2	1.764	2.613	14.2	20.7
10 8	1 20.70	+38 53.8	1.718	2.610	12.2	20.6
10 18	1 8.40	+39 3.0	1.695	2.606	11.0	20.5
10 28	0 56.49	+38 39.7	1.697	2.604	11.1	20.5
11 7	0 46.43	+37 50.5	1.723	2.601	12.5	20.6
11 17	0 39.28	+36 45.3	1.771	2.598	14.5	20.7

404689 2014 HL_{180} 10 13.3 134°.78 0°.6/12.6 18

9 8	1 38.20	+ 8 25.7	2.441	3.275	11.5	22.1
9 18	1 32.97	+ 7 46.5	2.375	3.289	8.6	22.0
9 28	1 26.21	+ 6 58.8	2.333	3.302	5.3	21.8
10 8	1 18.49	+ 6 6.1	2.319	3.315	1.8	21.5
10 18	1 10.51	+ 5 12.9	2.336	3.327	2.1	21.6
10 28	1 3.02	+ 4 24.0	2.382	3.339	5.5	21.8
11 7	0 56.68	+ 3 43.5	2.457	3.350	8.6	22.1
11 17	0 51.96	+ 3 14.5	2.556	3.360	11.3	22.3

418797 2008 VF 10 13.3 112°.87 32°.9/10.2 15

9 8	10 57.85	+74 38.8	0.425	0.942	86.1	20.5
9 18	10 42.89	+78 52.9	0.394	0.996	79.9	20.3
9 28	9 59.70	+83 41.7	0.354	1.044	73.4	19.9
10 8	3 52.87	+86 59.1	0.309	1.086	65.6	19.4
10 18	0 37.16	+77 25.7	0.265	1.122	55.5	18.9
10 28	0 16.55	+61 10.6	0.233	1.151	43.1	18.3
11 7	0 16.26	+40 27.0	0.229	1.174	33.6	18.0
11 17	0 22.77	+21 6.2	0.259	1.189	35.1	18.4

221818 2008 ES_{15} 10 13.3 42°.23 1°.5/12.2 17

9 8	1 38.47	+ 8 1.9	1.177	2.052	18.5	19.9
9 18	1 34.42	+ 7 14.6	1.132	2.068	13.8	19.6
9 28	1 27.60	+ 6 12.5	1.107	2.084	8.4	19.4
10 8	1 19.05	+ 5 3.0	1.104	2.101	2.9	19.1
10 18	1 10.09	+ 3 55.3	1.127	2.118	3.7	19.2
10 28	1 2.18	+ 2 59.1	1.174	2.136	9.0	19.6
11 7	0 56.45	+ 2 21.4	1.244	2.155	13.7	19.9
11 17	0 53.50	+ 2 5.2	1.335	2.174	17.6	20.2

47182 1999 TL_{124} 10 13.3 334°.11 2°.2/11.6 18

9 8	1 36.70	+ 6 59.2	1.278	2.153	17.3	18.7
9 18	1 33.23	+ 6 2.9	1.211	2.147	13.0	18.4
9 28	1 27.04	+ 4 51.1	1.164	2.142	8.0	18.1
10 8	1 18.94	+ 3 31.1	1.141	2.137	3.0	17.8
10 18	1 10.13	+ 2 12.5	1.143	2.132	4.3	17.9
10 28	1 2.05	+ 1 5.8	1.169	2.128	9.5	18.2
11 7	0 55.93	+ 0 19.0	1.219	2.124	14.4	18.5
11 17	0 52.54	− 0 3.7	1.288	2.121	18.5	18.7

210081 2006 QH_{36} 10 13.3 44°.77 3°.8/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 43.19	+17 6.9	1.678	2.495	16.6	19.8
9 18	1 37.57	+17 46.5	1.612	2.506	13.1	19.6
9 28	1 29.49	+18 10.0	1.567	2.517	9.2	19.4
10 8	1 19.74	+18 16.8	1.546	2.528	5.4	19.2
10 18	1 9.44	+18 8.6	1.553	2.540	4.0	19.1
10 28	0 59.83	+17 49.8	1.587	2.552	6.7	19.3
11 7	0 52.02	+17 26.7	1.647	2.564	10.5	19.6
11 17	0 46.71	+17 5.5	1.730	2.577	13.9	19.8

262484 2006 UV_{196} 10 13.3 114°.41 3°.9/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.69	+20 13.0	1.591	2.402	17.6	20.4
9 18	1 36.54	+20 7.9	1.523	2.412	14.0	20.2
9 28	1 28.87	+19 40.4	1.476	2.423	9.9	20.0
10 8	1 19.53	+18 51.5	1.452	2.433	5.8	19.8
10 18	1 9.65	+17 45.5	1.454	2.442	4.0	19.7
10 28	1 0.55	+16 30.2	1.484	2.451	6.8	19.9
11 7	0 53.33	+15 15.1	1.540	2.460	10.8	20.2
11 17	0 48.67	+14 8.5	1.620	2.469	14.5	20.4

319089 2005 WA_{140} 10 13.3 33°.64 4°.5/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.17	+23 43.3	2.059	2.844	15.0	20.5
9 18	1 32.01	+23 40.3	1.979	2.848	12.2	20.3
9 28	1 25.89	+23 17.0	1.921	2.851	9.1	20.1
10 8	1 18.47	+22 33.7	1.886	2.855	6.1	19.9
10 18	1 10.58	+21 33.3	1.879	2.858	4.5	19.8
10 28	1 3.21	+20 21.4	1.899	2.862	6.0	19.9
11 7	0 57.20	+19 5.5	1.947	2.866	9.0	20.1
11 17	0 53.18	+17 52.9	2.019	2.871	12.0	20.3

126297 2002 AZ_{110} 10 13.3 124°.27 4°.9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.16	− 3 8.8	1.838	2.701	13.4	19.8
9 18	1 34.86	− 4 12.2	1.783	2.711	10.1	19.6
9 28	1 27.57	− 5 16.7	1.753	2.721	6.8	19.4
10 8	1 19.03	− 6 15.3	1.749	2.730	4.9	19.3
10 18	1 10.17	− 7 1.4	1.773	2.739	6.3	19.4
10 28	1 1.99	− 7 29.8	1.823	2.748	9.3	19.6
11 7	0 55.33	− 7 37.9	1.899	2.756	12.5	19.8
11 17	0 50.76	− 7 26.0	1.996	2.764	15.2	20.1

85020 2057 P–L 10 13.3 2°.91 3°.9/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.19	+15 43.4	1.080	1.941	20.8	19.2
9 18	1 34.92	+16 15.6	1.019	1.939	16.5	19.0
9 28	1 28.38	+16 25.9	0.975	1.939	11.4	18.7
10 8	1 19.49	+16 14.4	0.951	1.940	6.2	18.4
10 18	1 9.70	+15 44.4	0.950	1.941	4.2	18.3
10 28	1 0.79	+15 4.0	0.972	1.945	8.5	18.6
11 7	0 54.27	+14 23.5	1.017	1.949	13.7	18.9
11 17	0 51.05	+13 51.6	1.081	1.955	18.3	19.2

217320 2004 PD_{78} 10 13.3 25°.91 5°.2/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.62	+24 12.5	1.988	2.771	15.5	19.9
9 18	1 33.21	+24 29.2	1.910	2.775	12.8	19.7
9 28	1 26.71	+24 25.8	1.852	2.778	9.7	19.5
10 8	1 18.79	+24 1.7	1.818	2.782	6.7	19.3
10 18	1 10.34	+23 18.8	1.811	2.786	5.2	19.2
10 28	1 2.41	+22 22.1	1.830	2.790	6.5	19.3
11 7	0 55.93	+21 18.6	1.876	2.795	9.3	19.5
11 17	0 51.56	+20 15.9	1.947	2.799	12.3	19.7

260132 2004 PT_{95} 10 13.3 56°.90 4°.3/ 9.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.74	− 2 55.2	1.807	2.670	13.6	20.0
9 18	1 35.12	− 3 34.1	1.768	2.696	10.1	19.8
9 28	1 27.61	− 4 12.8	1.753	2.723	6.7	19.7
10 8	1 19.01	− 4 45.5	1.764	2.749	4.4	19.6
10 18	1 10.24	− 5 7.1	1.803	2.776	5.6	19.7
10 28	1 2.29	− 5 13.8	1.869	2.802	8.6	20.0
11 7	0 55.93	− 5 4.1	1.961	2.829	11.6	20.2
11 17	0 51.65	− 4 38.4	2.074	2.855	14.3	20.5

515697 2014 QV_{119} 10 13.3 85°.19 0°.4/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.34	+ 8 47.4	2.280	3.120	12.0	22.1
9 18	1 31.72	+ 8 15.4	2.215	3.132	9.0	21.9
9 28	1 25.51	+ 7 34.4	2.175	3.144	5.5	21.7
10 8	1 18.31	+ 6 47.9	2.161	3.157	1.9	21.5
10 18	1 10.81	+ 6 0.3	2.177	3.169	2.0	21.5
10 28	1 3.81	+ 5 16.5	2.221	3.181	5.6	21.8
11 7	0 58.00	+ 4 40.7	2.294	3.193	8.8	22.0
11 17	0 53.85	+ 4 16.1	2.391	3.205	11.6	22.2

117914 4225 P–L 10 13.3 333°.38 1°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.49	+13 46.5	1.835	2.671	14.6	19.4
9 18	1 32.50	+13 51.4	1.749	2.659	11.4	19.1
9 28	1 26.36	+13 42.5	1.685	2.647	7.6	18.9
10 8	1 18.71	+13 21.2	1.645	2.636	3.6	18.6
10 18	1 10.41	+12 50.6	1.633	2.626	2.3	18.5
10 28	1 2.54	+12 15.8	1.648	2.616	6.2	18.8
11 7	0 56.07	+11 43.0	1.689	2.607	10.2	19.0
11 17	0 51.72	+11 17.3	1.753	2.598	13.8	19.2

301580 2009 UT_{94} 10 13.3 282°.25 2°.5/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 30.19	+22 47.3	4.393	5.153	8.0	20.2
9 18	1 26.61	+22 43.9	4.298	5.151	6.5	20.1
9 28	1 22.15	+22 31.1	4.226	5.148	4.8	20.0
10 8	1 17.12	+22 9.3	4.182	5.145	3.3	19.9
10 18	1 11.87	+21 39.9	4.166	5.142	2.5	19.8
10 28	1 6.81	+21 4.9	4.181	5.139	3.2	19.9
11 7	1 2.33	+20 26.8	4.225	5.137	4.8	20.0
11 17	0 58.72	+19 48.5	4.297	5.134	6.4	20.1

503254 2015 KF_{45} 10 13.3 168°.09 1°.0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.37	+13 32.2	2.044	2.867	13.8	22.2
9 18	1 35.03	+13 4.4	1.967	2.871	10.6	22.0
9 28	1 27.73	+12 22.4	1.913	2.875	6.9	21.8
10 8	1 19.13	+11 29.1	1.886	2.878	2.8	21.6
10 18	1 10.10	+10 28.9	1.887	2.881	1.9	21.5
10 28	1 1.61	+ 9 28.2	1.918	2.882	5.8	21.8
11 7	0 54.51	+ 8 33.1	1.977	2.884	9.6	22.0
11 17	0 49.41	+ 7 48.7	2.060	2.884	12.9	22.2

6474 Choate 10 13.3 49°.22 3°.7/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.80	+ 5 27.9	1.261	2.138	17.4	17.2
9 18	1 33.49	+ 3 35.4	1.232	2.170	12.7	17.0
9 28	1 26.79	+ 1 33.0	1.225	2.203	7.7	16.8
10 8	1 18.74	− 0 27.6	1.243	2.236	3.9	16.7
10 18	1 10.56	− 2 14.6	1.288	2.270	5.7	16.9
10 28	1 3.49	− 3 38.1	1.358	2.303	9.9	17.2
11 7	0 58.42	− 4 33.5	1.451	2.337	13.9	17.5
11 17	0 55.82	− 5 0.4	1.565	2.371	17.1	17.9

329107 2011 CG_{8} 10 13.3 319°.32 1°.3/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.47	+12 56.2	2.106	2.936	13.2	20.6
9 18	1 32.18	+12 50.6	2.019	2.927	10.2	20.4
9 28	1 26.02	+12 32.9	1.956	2.919	6.7	20.2
10 8	1 18.56	+12 4.9	1.918	2.910	2.9	19.9
10 18	1 10.58	+11 29.8	1.909	2.902	1.9	19.8
10 28	1 3.00	+10 52.5	1.927	2.894	5.6	20.1
11 7	0 56.64	+10 18.2	1.973	2.886	9.3	20.3
11 17	0 52.15	+ 9 51.4	2.043	2.879	12.5	20.5

17537 1993 FN_{40} 10 13.3 53°.17 0°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.75	+ 7 40.1	1.922	2.771	13.5	17.6
9 18	1 33.09	+ 7 15.5	1.857	2.778	10.1	17.4
9 28	1 26.52	+ 6 41.6	1.814	2.786	6.2	17.2
10 8	1 18.70	+ 6 2.2	1.798	2.794	2.1	17.0
10 18	1 10.51	+ 5 22.0	1.809	2.801	2.4	17.0
10 28	1 2.89	+ 4 46.4	1.849	2.809	6.4	17.3
11 7	0 56.67	+ 4 20.3	1.916	2.817	10.1	17.5
11 17	0 52.42	+ 4 6.6	2.005	2.826	13.3	17.7

69399 1995 GD_{4} 10 13.3 3°.29 1°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.17	+ 3 3.3	2.083	2.937	12.4	19.1
9 18	1 33.31	+ 2 47.3	2.011	2.936	9.3	18.9
9 28	1 26.63	+ 2 26.5	1.964	2.936	5.7	18.7
10 8	1 18.75	+ 2 4.5	1.943	2.937	2.4	18.4
10 18	1 10.46	+ 1 45.5	1.950	2.937	3.2	18.5
10 28	1 2.67	+ 1 33.6	1.986	2.938	6.7	18.7
11 7	0 56.16	+ 1 31.9	2.048	2.939	10.1	19.0
11 17	0 51.50	+ 1 42.2	2.134	2.941	13.1	19.2

210409 2007 WD_{7} 10 13.3 118°.88 1°.6/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.33	+ 5 33.0	1.494	2.348	16.4	20.4
9 18	1 39.21	+ 5 13.4	1.435	2.360	12.3	20.2
9 28	1 30.51	+ 4 44.6	1.398	2.371	7.6	19.9
10 8	1 20.13	+ 4 11.4	1.386	2.381	2.7	19.7
10 18	1 9.28	+ 3 39.6	1.401	2.392	3.4	19.8
10 28	0 59.32	+ 3 15.6	1.444	2.401	8.1	20.1
11 7	0 51.33	+ 3 4.0	1.511	2.411	12.5	20.4
11 17	0 46.02	+ 3 7.4	1.601	2.420	16.2	20.6

279763 1999 GQ_{1} 10 13.3 258°.90 0°.3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.13	+10 39.0	1.737	2.579	15.0	21.1
9 18	1 35.33	+10 20.3	1.651	2.568	11.5	20.8
9 28	1 28.19	+ 9 48.0	1.587	2.556	7.3	20.6
10 8	1 19.38	+ 9 5.0	1.549	2.544	2.7	20.3
10 18	1 9.87	+ 8 16.3	1.538	2.531	2.2	20.2
10 28	1 0.83	+ 7 28.5	1.554	2.518	7.0	20.5
11 7	0 53.33	+ 6 48.2	1.597	2.506	11.4	20.7
11 17	0 48.15	+ 6 20.6	1.663	2.492	15.2	20.9

72602 2001 FC_{14} 10 13.3 142°.93 0°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.30	+ 9 51.8	2.543	3.372	11.2	19.4
9 18	1 32.36	+ 9 35.7	2.467	3.377	8.5	19.2
9 28	1 25.91	+ 9 11.1	2.416	3.382	5.3	19.0
10 8	1 18.48	+ 8 40.3	2.392	3.387	1.9	18.8
10 18	1 10.72	+ 8 6.8	2.398	3.392	1.6	18.8
10 28	1 3.37	+ 7 34.4	2.434	3.396	5.0	19.0
11 7	0 57.09	+ 7 7.1	2.499	3.400	8.1	19.2
11 17	0 52.36	+ 6 47.8	2.588	3.404	10.8	19.4

448406 2009 SZ_3 10 13.3 61°.06 1°.9/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 38.03	+15 16.5	2.013	2.835	14.0	21.2
9 18	1 33.19	+15 6.1	1.953	2.854	10.8	21.0
9 28	1 26.52	+14 41.3	1.915	2.873	7.2	20.8
10 8	1 18.69	+14 4.4	1.903	2.892	3.5	20.6
10 18	1 10.56	+13 19.5	1.919	2.912	2.2	20.6
10 28	1 3.04	+12 31.9	1.964	2.931	5.5	20.8
11 7	0 56.93	+11 47.3	2.036	2.951	8.9	21.1
11 17	0 52.76	+11 10.6	2.133	2.970	12.0	21.3

336802 2011 CK_{93} 10 13.3 123°.47 1°.2/14.4 16

9 8	1 39.90	+14 20.4	1.672	2.506	15.9	21.7
9 18	1 35.02	+13 48.3	1.604	2.514	12.2	21.5
9 28	1 27.86	+12 58.5	1.558	2.521	7.9	21.2
10 8	1 19.21	+11 54.6	1.537	2.529	3.4	21.0
10 18	1 10.09	+10 42.6	1.543	2.536	2.1	20.9
10 28	1 1.67	+ 9 30.4	1.577	2.543	6.6	21.2
11 7	0 54.93	+ 8 25.9	1.637	2.550	10.8	21.5
11 17	0 50.52	+ 7 35.1	1.721	2.557	14.5	21.7

487429 2014 QF_{429} 10 13.3 90°.03 0°.6/12.6 18

9 8	1 34.32	+ 9 27.8	2.297	3.139	11.9	21.5
9 18	1 30.28	+ 8 34.8	2.225	3.143	8.9	21.3
9 28	1 24.67	+ 7 31.3	2.177	3.148	5.5	21.1
10 8	1 18.05	+ 6 21.3	2.157	3.152	1.8	20.9
10 18	1 11.12	+ 5 10.3	2.165	3.157	2.1	20.9
10 28	1 4.63	+ 4 3.9	2.203	3.161	5.7	21.2
11 7	0 59.26	+ 3 7.5	2.269	3.166	9.0	21.4
11 17	0 55.49	+ 2 24.6	2.359	3.170	11.9	21.6

326010 2010 WL_{47} 10 13.3 63°.76 3°.5/16.1 18

9 8	1 40.42	+18 50.1	1.304	2.138	19.5	20.6
9 18	1 35.91	+18 35.3	1.249	2.153	15.4	20.4
9 28	1 28.61	+17 55.3	1.213	2.169	10.6	20.2
10 8	1 19.50	+16 52.6	1.199	2.185	5.7	19.9
10 18	1 9.90	+15 33.8	1.209	2.200	3.6	19.9
10 28	1 1.27	+14 8.9	1.246	2.216	7.4	20.1
11 7	0 54.81	+12 49.2	1.308	2.233	12.0	20.5
11 17	0 51.18	+11 43.1	1.391	2.249	16.0	20.7

202207 2004 XT_{101} 10 13.3 351°.42 2°.3/12.3 18

9 8	1 33.71	+ 2 34.3	0.922	1.826	19.7	18.2
9 18	1 31.91	+ 2 56.2	0.859	1.810	15.0	17.9
9 28	1 26.73	+ 3 12.8	0.813	1.795	9.4	17.5
10 8	1 19.01	+ 3 29.1	0.787	1.784	3.6	17.2
10 18	1 10.22	+ 3 49.9	0.782	1.775	4.4	17.2
10 28	1 2.21	+ 4 20.9	0.799	1.769	10.5	17.5
11 7	0 56.63	+ 5 5.5	0.835	1.765	16.2	17.8
11 17	0 54.48	+ 6 4.8	0.889	1.765	21.1	18.1

195315 2002 EF_{113} 10 13.3 203°.59 1°.0/11.3 18

9 8	1 29.12	+ 3 42.2	4.424	5.265	6.6	20.8
9 18	1 25.74	+ 3 14.1	4.345	5.265	4.8	20.7
9 28	1 21.58	+ 2 43.2	4.293	5.265	3.0	20.6
10 8	1 16.93	+ 2 11.4	4.271	5.265	1.3	20.4
10 18	1 12.12	+ 1 40.9	4.279	5.264	1.8	20.5
10 28	1 7.49	+ 1 14.0	4.317	5.264	3.6	20.6
11 7	1 3.39	+ 0 52.6	4.384	5.264	5.4	20.8
11 17	1 0.08	+ 0 37.9	4.477	5.263	7.1	20.9

333782 2011 FH_{83} 10 13.3 18°.83 2°.5/11.7 18

9 8	1 37.47	+ 4 24.1	1.079	1.967	18.8	19.1
9 18	1 33.98	+ 3 59.0	1.033	1.975	14.0	18.8
9 28	1 27.53	+ 3 23.7	1.005	1.984	8.6	18.6
10 8	1 19.14	+ 2 45.3	0.999	1.995	3.4	18.3
10 18	1 10.23	+ 2 11.6	1.017	2.007	4.5	18.4
10 28	1 2.36	+ 1 50.7	1.058	2.020	9.8	18.8
11 7	0 56.75	+ 1 47.6	1.121	2.034	14.6	19.1
11 17	0 54.09	+ 2 3.9	1.203	2.050	18.7	19.4

133382 2003 ST_{154} 10 13.3 330°.95 4°.1/16.8 17

9 8	1 43.36	+19 34.4	2.299	3.085	13.6	19.7
9 18	1 37.33	+20 22.0	2.212	3.083	11.0	19.6
9 28	1 29.26	+20 56.6	2.147	3.081	8.1	19.4
10 8	1 19.75	+21 17.0	2.109	3.080	5.3	19.2
10 18	1 9.62	+21 23.4	2.099	3.078	4.2	19.1
10 28	0 59.86	+21 18.1	2.119	3.077	5.9	19.2
11 7	0 51.39	+21 5.4	2.166	3.075	8.8	19.4
11 17	0 44.90	+20 50.3	2.240	3.074	11.6	19.6

438528 2007 TW_{55} 10 13.3 347°.67 1°.4/14.5 16

9 8	1 35.51	+14 12.4	1.553	2.399	16.3	21.2
9 18	1 32.01	+13 45.9	1.478	2.395	12.6	21.0
9 28	1 26.16	+13 0.8	1.424	2.391	8.3	20.7
10 8	1 18.68	+12 0.2	1.394	2.387	3.6	20.5
10 18	1 10.59	+10 50.1	1.391	2.384	2.2	20.4
10 28	1 3.10	+ 9 38.8	1.413	2.382	6.9	20.6
11 7	0 57.25	+ 8 35.0	1.461	2.380	11.4	20.9
11 17	0 53.77	+ 7 45.1	1.532	2.379	15.3	21.2

54751 2001 KO_{46} 10 13.3 76°.01 5°.2/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 39.94	− 1 7.0	1.435	2.310	15.8	19.3
9 18	1 35.18	− 2 19.5	1.385	2.320	11.8	19.1
9 28	1 27.99	− 3 35.8	1.358	2.331	7.7	18.9
10 8	1 19.26	− 4 46.9	1.355	2.341	5.2	18.7
10 18	1 10.14	− 5 44.2	1.378	2.351	6.8	18.9
10 28	1 1.88	− 6 20.5	1.427	2.361	10.5	19.1
11 7	0 55.50	− 6 32.7	1.498	2.372	14.3	19.4
11 17	0 51.60	− 6 20.9	1.590	2.382	17.5	19.6

378057 2006 TW_{83} 10 13.3 94°.36 2°.2/14.9 16

9 8	1 44.41	+14 55.6	1.521	2.351	17.4	21.5
9 18	1 38.54	+14 55.4	1.463	2.368	13.5	21.3
9 28	1 30.10	+14 37.6	1.426	2.386	8.9	21.1
10 8	1 20.01	+14 4.2	1.413	2.403	4.3	20.8
10 18	1 9.49	+13 19.8	1.428	2.420	2.7	20.8
10 28	0 59.86	+12 31.5	1.469	2.437	6.9	21.1
11 7	0 52.22	+11 47.0	1.537	2.453	11.2	21.4
11 17	0 47.24	+11 12.3	1.627	2.469	14.9	21.6

482290 2011 TQ_7 10 13.3 319°.27 0°.9/14.0 17

9 8	1 36.92	+11 46.8	1.629	2.477	15.6	21.2
9 18	1 33.11	+11 37.2	1.542	2.461	12.0	20.9
9 28	1 26.91	+11 12.9	1.477	2.445	7.8	20.6
10 8	1 18.99	+10 36.3	1.436	2.430	3.1	20.3
10 18	1 10.31	+ 9 52.0	1.422	2.416	2.2	20.2
10 28	1 2.08	+ 9 6.5	1.434	2.401	7.0	20.5
11 7	0 55.41	+ 8 27.1	1.471	2.388	11.5	20.7
11 17	0 51.09	+ 7 59.3	1.531	2.375	15.5	21.0

222902 2002 GQ_{181} 10 13.3 105°.69 0°.2/13.5 18

9 8	1 37.22	+10 27.5	2.396	3.226	11.8	21.2
9 18	1 32.34	+10 3.1	2.328	3.239	8.9	21.0
9 28	1 25.91	+ 9 29.2	2.285	3.252	5.6	20.8
10 8	1 18.51	+ 8 48.6	2.269	3.264	2.0	20.6
10 18	1 10.81	+ 8 5.2	2.283	3.276	1.6	20.6
10 28	1 3.60	+ 7 23.4	2.326	3.288	5.1	20.8
11 7	0 57.53	+ 6 47.8	2.397	3.300	8.3	21.1
11 17	0 53.09	+ 6 21.4	2.494	3.311	11.1	21.3

403183 2008 JS_7 10 13.3 96°.28 0°.3/12.9 18

9 8	1 38.12	+ 9 5.6	2.458	3.290	11.5	21.9
9 18	1 32.88	+ 8 35.5	2.401	3.313	8.6	21.8
9 28	1 26.17	+ 7 57.2	2.368	3.336	5.3	21.6
10 8	1 18.58	+ 7 13.8	2.363	3.359	1.8	21.4
10 18	1 10.77	+ 6 29.2	2.388	3.381	1.8	21.5
10 28	1 3.50	+ 5 48.0	2.443	3.403	5.2	21.7
11 7	0 57.38	+ 5 13.9	2.527	3.424	8.2	22.0
11 17	0 52.86	+ 4 49.8	2.635	3.445	10.8	22.2

237567 2001 BD_4 10 13.3 288°.51 6°.4/ 8.1 18

9 8	1 40.15	− 6 27.1	1.694	2.563	14.1	20.2
9 18	1 35.35	− 7 23.7	1.618	2.546	10.9	20.0
9 28	1 28.21	− 8 19.8	1.564	2.528	7.9	19.7
10 8	1 19.42	− 9 7.6	1.536	2.511	6.4	19.6
10 18	1 9.97	− 9 39.6	1.534	2.493	7.9	19.7
10 28	1 1.02	− 9 49.9	1.557	2.476	11.1	19.8
11 7	0 53.65	− 9 36.1	1.604	2.458	14.5	20.0
11 17	0 48.59	− 8 58.9	1.672	2.441	17.7	20.2

397988 2009 BK_{99} 10 13.3 216°.39 5°.1/18.9 18

9 8	1 39.92	+26 4.3	2.331	3.088	14.2	21.9
9 18	1 34.80	+26 12.1	2.234	3.081	11.9	21.7
9 28	1 27.70	+26 0.5	2.159	3.073	9.2	21.5
10 8	1 19.22	+25 28.9	2.108	3.064	6.5	21.3
10 18	1 10.16	+24 38.4	2.085	3.056	5.1	21.2
10 28	1 1.49	+23 33.3	2.091	3.046	6.2	21.3
11 7	0 54.10	+22 20.4	2.124	3.036	8.7	21.4
11 17	0 48.64	+21 6.7	2.184	3.026	11.6	21.6

517962 2015 TK_{364} 10 13.3 206°.68 2°.9/17.4 18

9 8	1 35.28	+22 43.5	2.688	3.463	12.1	21.4
9 18	1 30.93	+22 2.7	2.592	3.459	9.8	21.2
9 28	1 25.08	+21 4.5	2.520	3.455	7.0	21.0
10 8	1 18.24	+19 50.2	2.475	3.450	4.3	20.8
10 18	1 11.06	+18 23.3	2.460	3.445	2.9	20.7
10 28	1 4.25	+16 49.3	2.475	3.440	4.6	20.9
11 7	0 58.48	+15 14.8	2.519	3.434	7.4	21.0
11 17	0 54.22	+13 45.9	2.591	3.428	10.1	21.2

408333 2013 GT_{73} 10 13.3 103°.19 4°.6/ 8.1 18

9 8	1 36.05	− 4 50.4	2.334	3.196	11.0	21.1
9 18	1 31.47	− 5 53.9	2.280	3.205	8.3	21.0
9 28	1 25.37	− 6 57.0	2.251	3.215	5.8	20.9
10 8	1 18.32	− 7 54.1	2.249	3.224	4.6	20.8
10 18	1 11.02	− 8 39.9	2.275	3.234	5.8	20.9
10 28	1 4.21	− 9 10.2	2.330	3.243	8.2	21.1
11 7	0 58.54	− 9 23.0	2.409	3.252	10.7	21.2
11 17	0 54.47	− 9 18.1	2.511	3.261	12.9	21.4

6128 Lasorda 10 13.3 82°.54 2°.3/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 39.76	+ 4 24.4	1.758	2.615	14.2	17.1
9 18	1 34.60	+ 3 33.6	1.708	2.635	10.5	16.9
9 28	1 27.43	+ 2 35.3	1.681	2.655	6.4	16.7
10 8	1 19.06	+ 1 35.4	1.681	2.674	2.8	16.6
10 18	1 10.41	+ 0 40.6	1.708	2.694	3.8	16.7
10 28	1 2.52	− 0 3.2	1.763	2.713	7.6	16.9
11 7	0 56.22	− 0 31.7	1.844	2.732	11.2	17.2
11 17	0 52.03	− 0 42.9	1.948	2.751	14.3	17.5

260777 2005 NQ_{10} 10 13.3 65°.15 2°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.61	+ 4 43.1	1.790	2.647	14.0	20.6
9 18	1 33.70	+ 3 57.3	1.741	2.668	10.3	20.4
9 28	1 26.87	+ 3 4.1	1.715	2.689	6.3	20.2
10 8	1 18.86	+ 2 9.2	1.716	2.710	2.6	20.0
10 18	1 10.60	+ 1 18.5	1.744	2.731	3.6	20.1
10 28	1 3.07	+ 0 37.9	1.800	2.752	7.3	20.4
11 7	0 57.07	+ 0 11.6	1.882	2.773	10.9	20.7
11 17	0 53.11	+ 0 1.4	1.987	2.794	13.9	20.9

300441 2007 TO_{43} 10 13.3 341°.87 2°.0/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.99	+18 10.3	1.638	2.469	16.3	20.1
9 18	1 30.79	+17 17.0	1.559	2.464	12.8	19.9
9 28	1 25.36	+15 59.7	1.501	2.460	8.6	19.6
10 8	1 18.42	+14 22.3	1.467	2.456	4.2	19.4
10 18	1 10.93	+12 31.8	1.460	2.453	2.4	19.2
10 28	1 4.01	+10 38.3	1.480	2.450	6.5	19.5
11 7	0 58.66	+ 8 52.6	1.527	2.447	10.9	19.7
11 17	0 55.54	+ 7 23.2	1.598	2.445	14.8	20.0

84377 2002 TF_{136} 10 13.3 284°.88 5°.3/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.92	+25 24.6	1.944	2.724	15.9	19.4
9 18	1 32.91	+25 23.4	1.849	2.711	13.2	19.2
9 28	1 26.70	+24 59.3	1.774	2.698	10.1	19.0
10 8	1 18.92	+24 11.5	1.722	2.686	7.0	18.7
10 18	1 10.47	+23 2.0	1.697	2.673	5.3	18.6
10 28	1 2.44	+21 36.8	1.698	2.661	6.7	18.7
11 7	0 55.85	+20 4.6	1.727	2.648	9.8	18.8
11 17	0 51.44	+18 34.3	1.781	2.635	13.2	19.0

180826 2005 GP_{19} 10 13.3 229°.59 0°.3/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.05	+ 9 22.4	1.639	2.484	15.6	21.4
9 18	1 36.89	+ 8 58.0	1.557	2.477	11.9	21.2
9 28	1 29.24	+ 8 20.1	1.498	2.468	7.5	20.9
10 8	1 19.83	+ 7 32.6	1.464	2.460	2.6	20.6
10 18	1 9.72	+ 6 41.1	1.458	2.451	2.5	20.5
10 28	1 0.15	+ 5 52.6	1.479	2.441	7.5	20.8
11 7	0 52.27	+ 5 14.1	1.526	2.431	12.0	21.1
11 17	0 46.85	+ 4 50.2	1.595	2.421	15.9	21.3

11331 1996 FO_2 10 13.3 250°.93 0°.7/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.65	+ 8 54.2	1.687	2.537	15.0	19.3
9 18	1 35.02	+ 8 18.1	1.605	2.527	11.4	19.0
9 28	1 28.04	+ 7 28.7	1.545	2.516	7.1	18.8
10 8	1 19.40	+ 6 30.0	1.510	2.506	2.4	18.5
10 18	1 10.10	+ 5 28.4	1.502	2.495	2.7	18.5
10 28	1 1.30	+ 4 31.3	1.523	2.483	7.5	18.7
11 7	0 54.07	+ 3 45.8	1.569	2.472	11.9	19.0
11 17	0 49.18	+ 3 16.4	1.637	2.460	15.7	19.2

139516 2001 PA_{57} 10 13.3 15°.21 0°.2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.94	+10 38.6	1.236	2.109	17.9	19.3
9 18	1 31.11	+10 13.1	1.184	2.117	13.6	19.1
9 28	1 25.68	+ 9 30.8	1.151	2.126	8.5	18.8
10 8	1 18.54	+ 8 36.7	1.141	2.137	3.0	18.5
10 18	1 10.91	+ 7 38.5	1.156	2.149	2.6	18.6
10 28	1 4.12	+ 6 45.1	1.195	2.163	7.9	18.9
11 7	0 59.28	+ 6 4.4	1.257	2.178	12.6	19.2
11 17	0 57.02	+ 5 41.1	1.340	2.195	16.6	19.5

469395 2001 TW_{158} 10 13.3 352°.01 0°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.39	+10 7.4	1.122	2.001	18.9	20.5
9 18	1 31.91	+ 9 48.3	1.057	1.993	14.4	20.2
9 28	1 26.46	+ 9 10.8	1.010	1.987	9.1	19.9
10 8	1 18.91	+ 8 19.9	0.986	1.982	3.3	19.6
10 18	1 10.54	+ 7 23.0	0.984	1.978	2.9	19.5
10 28	1 2.94	+ 6 30.3	1.006	1.976	8.8	19.9
11 7	0 57.44	+ 5 50.9	1.050	1.975	14.2	20.2
11 17	0 54.91	+ 5 30.6	1.113	1.976	18.8	20.5

29959 Senevelling 10 13.3 322°.01 4°.3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.52	+ 0 15.7	1.745	2.618	13.5	18.2
9 18	1 30.99	− 1 0.0	1.673	2.608	10.1	18.0
9 28	1 25.42	− 2 22.4	1.624	2.598	6.6	17.7
10 8	1 18.45	− 3 43.8	1.601	2.589	4.3	17.6
10 18	1 10.96	− 4 56.1	1.605	2.579	5.9	17.7
10 28	1 3.97	− 5 51.8	1.636	2.571	9.4	17.8
11 7	0 58.38	− 6 26.0	1.690	2.562	13.0	18.0
11 17	0 54.84	− 6 37.1	1.766	2.554	16.2	18.2

507685 2013 SS_{79} 10 13.3 100°.50 0°.1/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 42.24	+11 16.5	1.526	2.370	16.6	21.9
9 18	1 36.81	+10 35.0	1.471	2.388	12.5	21.7
9 28	1 28.99	+ 9 37.9	1.437	2.406	7.8	21.5
10 8	1 19.66	+ 8 30.2	1.429	2.424	2.8	21.2
10 18	1 9.98	+ 7 19.1	1.448	2.441	2.4	21.2
10 28	1 1.18	+ 6 13.0	1.495	2.458	7.3	21.6
11 7	0 54.26	+ 5 19.2	1.567	2.474	11.6	21.9
11 17	0 49.84	+ 4 42.3	1.662	2.490	15.3	22.1

353959 1999 UC_{23} 10 13.3 316°.10 1°.8/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.36	+16 15.1	1.450	2.296	17.3	21.2
9 18	1 31.84	+15 38.2	1.335	2.250	13.8	20.9
9 28	1 26.58	+14 34.6	1.240	2.205	9.4	20.5
10 8	1 19.07	+13 5.1	1.167	2.159	4.3	20.1
10 18	1 10.27	+11 14.7	1.120	2.114	2.6	19.9
10 28	1 1.57	+ 9 14.1	1.098	2.068	8.2	20.1
11 7	0 54.43	+ 7 17.1	1.101	2.024	13.9	20.2
11 17	0 50.00	+ 5 36.3	1.125	1.980	19.2	20.4

383134 2005 UT_{31} 10 13.3 254°.73 0°.2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.99	+11 13.7	1.732	2.575	15.0	21.9
9 18	1 34.50	+10 39.7	1.647	2.564	11.5	21.6
9 28	1 27.71	+ 9 50.4	1.584	2.552	7.3	21.4
10 8	1 19.30	+ 8 49.3	1.546	2.541	2.7	21.1
10 18	1 10.21	+ 7 42.3	1.535	2.529	2.2	21.0
10 28	1 1.61	+ 6 37.1	1.553	2.516	7.0	21.3
11 7	0 54.53	+ 5 41.1	1.596	2.504	11.4	21.5
11 17	0 49.72	+ 4 59.8	1.662	2.491	15.2	21.7

25848 2000 EL_{104} 10 13.3 19°.74 1°.9/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.75	+13 47.1	1.608	2.448	16.1	17.6
9 18	1 34.34	+13 50.8	1.540	2.452	12.5	17.4
9 28	1 27.58	+13 38.9	1.493	2.456	8.3	17.2
10 8	1 19.23	+13 13.5	1.470	2.461	3.8	16.9
10 18	1 10.33	+12 38.5	1.474	2.467	2.5	16.9
10 28	1 2.07	+11 59.9	1.504	2.473	6.6	17.2
11 7	0 55.50	+11 24.5	1.560	2.479	10.8	17.4
11 17	0 51.32	+10 57.9	1.639	2.486	14.5	17.7

26957 1997 MN_4 10 13.3 29°.14 4°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.14	+19 23.8	1.010	1.865	22.3	17.0
9 18	1 33.98	+19 31.5	0.969	1.884	17.7	16.8
9 28	1 27.63	+19 9.6	0.945	1.904	12.4	16.6
10 8	1 19.25	+18 20.4	0.941	1.926	7.1	16.4
10 18	1 10.40	+17 10.8	0.960	1.950	4.7	16.4
10 28	1 2.76	+15 52.7	1.001	1.974	8.2	16.7
11 7	0 57.61	+14 38.6	1.065	2.000	13.0	17.0
11 17	0 55.58	+13 38.2	1.149	2.026	17.2	17.3

220561 2004 HN_{17} 10 13.3 235°.62 0°.3/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.04	+11 24.7	1.705	2.546	15.3	21.0
9 18	1 35.30	+10 54.3	1.622	2.538	11.7	20.8
9 28	1 28.21	+10 8.6	1.562	2.530	7.5	20.5
10 8	1 19.48	+ 9 11.1	1.527	2.522	2.8	20.2
10 18	1 10.10	+ 8 7.5	1.519	2.513	2.2	20.2
10 28	1 1.23	+ 7 5.4	1.540	2.504	7.0	20.4
11 7	0 53.95	+ 6 12.0	1.586	2.494	11.4	20.7
11 17	0 49.00	+ 5 33.1	1.655	2.485	15.3	20.9

377547 2005 JQ_{13} 10 13.3 80°.01 0°.8/14.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.44	+14 0.5	1.413	2.259	17.6	21.6
9 18	1 34.97	+13 13.0	1.354	2.271	13.4	21.4
9 28	1 27.98	+12 5.1	1.317	2.284	8.6	21.2
10 8	1 19.36	+10 42.2	1.303	2.297	3.4	20.9
10 18	1 10.29	+ 9 12.2	1.316	2.310	2.3	20.9
10 28	1 2.08	+ 7 45.6	1.356	2.323	7.4	21.2
11 7	0 55.81	+ 6 31.5	1.421	2.335	12.0	21.5
11 17	0 52.11	+ 5 36.2	1.508	2.348	15.9	21.8

451332 2010 VT_{101} 10 13.3 113°.81 5°.9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.79	−11 41.6	2.440	3.289	11.0	21.1
9 18	1 34.89	−12 22.9	2.391	3.301	8.7	21.0
9 28	1 27.46	−12 58.4	2.366	3.313	6.7	20.9
10 8	1 19.09	−13 23.0	2.370	3.325	5.9	20.9
10 18	1 10.52	−13 32.6	2.401	3.337	6.9	20.9
10 28	1 2.52	−13 25.0	2.460	3.349	8.9	21.1
11 7	0 55.75	−12 59.9	2.544	3.360	11.0	21.2
11 17	0 50.68	−12 18.6	2.651	3.371	13.0	21.4

401585 2013 GS_3 10 13.3 62°.90 0°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.68	+ 9 54.0	1.969	2.809	13.6	20.4
9 18	1 33.71	+ 9 35.6	1.911	2.827	10.2	20.2
9 28	1 26.89	+ 9 6.6	1.877	2.845	6.4	20.0
10 8	1 18.93	+ 8 30.5	1.869	2.864	2.3	19.8
10 18	1 10.67	+ 7 51.6	1.889	2.883	1.9	19.8
10 28	1 3.05	+ 7 15.1	1.938	2.901	5.9	20.1
11 7	0 56.84	+ 6 45.8	2.014	2.920	9.5	20.4
11 17	0 52.57	+ 6 27.0	2.114	2.939	12.5	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
314380 2005 UX_{84}			10 13.3	9°62	1°4/12.1	18
	h m	° ′			°	m
9 8	1 36.97	+ 6 1.7	1.786	2.644	14.0	20.8
9 18	1 32.73	+ 5 33.8	1.718	2.645	10.4	20.6
9 28	1 26.45	+ 4 57.1	1.673	2.647	6.4	20.3
10 8	1 18.82	+ 4 16.0	1.653	2.649	2.3	20.1
10 18	1 10.74	+ 3 35.8	1.661	2.651	3.0	20.1
10 28	1 3.22	+ 3 2.5	1.696	2.654	7.1	20.4
11 7	0 57.15	+ 2 40.6	1.756	2.657	11.0	20.6
11 17	0 53.16	+ 2 33.1	1.840	2.661	14.3	20.9
135884 2002 TF_{49}			10 13.3	32°38	1°3/14.5	18
9 8	1 37.18	+13 50.2	1.636	2.477	15.8	19.0
9 18	1 33.08	+13 30.0	1.570	2.484	12.2	18.8
9 28	1 26.75	+12 53.1	1.525	2.490	7.9	18.6
10 8	1 18.94	+12 2.8	1.505	2.498	3.4	18.3
10 18	1 10.65	+11 4.4	1.512	2.505	2.2	18.2
10 28	1 3.02	+10 5.3	1.545	2.514	6.5	18.5
11 7	0 57.01	+ 9 12.6	1.605	2.522	10.7	18.8
11 17	0 53.28	+ 8 32.2	1.687	2.531	14.3	19.1
134254 2006 AF_{81}			10 13.3	177°61	8°9/ 1.4	18
9 8	1 36.86	−22 15.4	2.533	3.369	11.0	19.3
9 18	1 32.11	−23 38.4	2.492	3.370	9.7	19.3
9 28	1 25.81	−24 49.8	2.474	3.370	8.9	19.2
10 8	1 18.54	−25 43.0	2.482	3.370	9.1	19.2
10 18	1 11.00	−26 13.5	2.515	3.371	10.0	19.3
10 28	1 3.94	−26 19.0	2.571	3.370	11.5	19.4
11 7	0 58.03	−25 59.8	2.648	3.370	13.0	19.5
11 17	0 53.75	−25 18.2	2.744	3.370	14.5	19.6
107237 2001 BB_{56}			10 13.3	265°52	0°6/12.8	18
9 8	1 39.13	+ 8 20.4	1.820	2.668	14.2	20.0
9 18	1 34.48	+ 7 54.3	1.737	2.658	10.8	19.8
9 28	1 27.65	+ 7 16.9	1.677	2.648	6.7	19.5
10 8	1 19.29	+ 6 31.9	1.642	2.637	2.3	19.2
10 18	1 10.32	+ 5 44.5	1.635	2.627	2.5	19.2
10 28	1 1.81	+ 5 0.9	1.656	2.616	7.0	19.5
11 7	0 54.75	+ 4 27.0	1.703	2.606	11.1	19.7
11 17	0 49.85	+ 4 6.9	1.773	2.595	14.7	19.9
12158 Tape			10 13.3	315°58	0°5/13.8	18
9 8	1 36.71	+11 17.3	2.056	2.893	13.2	18.1
9 18	1 32.40	+10 58.6	1.975	2.888	10.1	17.9
9 28	1 26.21	+10 27.9	1.916	2.883	6.4	17.7
10 8	1 18.75	+ 9 48.2	1.884	2.878	2.5	17.4
10 18	1 10.81	+ 9 3.5	1.880	2.874	1.8	17.4
10 28	1 3.31	+ 8 19.2	1.905	2.870	5.8	17.7
11 7	0 57.07	+ 7 40.7	1.957	2.866	9.6	17.9
11 17	0 52.71	+ 7 12.3	2.032	2.862	12.8	18.1
451617 2012 DK_{96}			10 13.3	338°46	3°3/10.0	17
9 8	1 32.63	+ 3 46.9	1.696	2.568	13.9	20.9
9 18	1 29.64	+ 2 28.9	1.623	2.559	10.3	20.7
9 28	1 24.62	+ 1 0.4	1.573	2.549	6.4	20.4
10 8	1 18.22	− 0 31.2	1.548	2.541	3.4	20.2
10 18	1 11.29	− 1 57.3	1.551	2.533	4.9	20.3
10 28	1 4.86	− 3 9.3	1.580	2.525	8.8	20.5
11 7	0 59.82	− 4 1.1	1.634	2.519	12.6	20.7
11 17	0 56.82	− 4 29.8	1.709	2.513	16.0	20.9
490342 2009 DL_{68}			10 13.3	333°54	4°4/ 9.9	17
9 8	1 30.75	+ 3 2.2	1.154	2.050	17.2	21.0
9 18	1 29.23	+ 1 53.8	1.075	2.023	13.0	20.6
9 28	1 24.91	+ 0 30.5	1.016	1.997	8.3	20.3
10 8	1 18.46	− 0 58.5	0.979	1.972	4.6	20.0
10 18	1 11.02	− 2 21.3	0.965	1.948	6.6	20.1
10 28	1 4.08	− 3 25.6	0.973	1.926	11.7	20.3
11 7	0 59.02	− 4 2.4	1.002	1.906	16.9	20.5
11 17	0 56.82	− 4 7.8	1.049	1.888	21.4	20.7
364522 2007 EX_{168}			10 13.4	143°57	1°5/11.5	18
9 8	1 34.61	+ 6 26.8	2.334	3.182	11.5	21.3
9 18	1 30.52	+ 5 27.2	2.262	3.185	8.5	21.1
9 28	1 24.89	+ 4 19.0	2.214	3.187	5.2	20.9
10 8	1 18.26	+ 3 6.8	2.194	3.189	2.0	20.7
10 18	1 11.30	+ 1 56.3	2.203	3.191	2.9	20.7
10 28	1 4.76	+ 0 53.1	2.242	3.193	6.2	21.0
11 7	0 59.31	+ 0 2.0	2.308	3.194	9.3	21.2
11 17	0 55.45	− 0 34.3	2.398	3.196	12.1	21.4
483834 2005 XF_{27}			10 13.4	274°23	3°8/17.4	17
9 8	1 37.05	+21 30.5	2.256	3.045	13.7	21.9
9 18	1 32.65	+21 32.8	2.165	3.038	11.1	21.7
9 28	1 26.39	+21 18.1	2.095	3.031	8.2	21.5
10 8	1 18.84	+20 46.6	2.051	3.024	5.2	21.3
10 18	1 10.76	+20 0.5	2.035	3.017	3.8	21.2
10 28	1 3.07	+19 4.3	2.047	3.010	5.6	21.3
11 7	0 56.59	+18 4.3	2.086	3.004	8.6	21.5
11 17	0 51.94	+17 6.6	2.151	2.997	11.6	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
438109 2005 JM_{49}			10 13.4	69°59	0°6/12.8	18
	h m	° ′			°	m
9 8	1 37.60	+ 9 26.6	1.794	2.643	14.3	21.3
9 18	1 33.09	+ 8 41.6	1.736	2.657	10.7	21.1
9 28	1 26.60	+ 7 44.5	1.700	2.672	6.6	20.9
10 8	1 18.88	+ 6 40.1	1.691	2.686	2.2	20.6
10 18	1 10.81	+ 5 34.8	1.709	2.701	2.4	20.7
10 28	1 3.42	+ 4 35.4	1.755	2.716	6.7	21.0
11 7	0 57.52	+ 3 47.8	1.828	2.731	10.5	21.3
11 17	0 53.67	+ 3 15.6	1.923	2.745	13.7	21.5
385688 2005 TK_{12}			10 13.4	1°02	1°7/12.3	18
9 8	1 36.61	+ 6 21.6	1.122	2.006	18.6	20.3
9 18	1 33.51	+ 5 59.4	1.063	2.003	14.0	20.0
9 28	1 27.43	+ 5 24.3	1.024	2.002	8.7	19.7
10 8	1 19.29	+ 4 42.0	1.006	2.002	3.1	19.4
10 18	1 10.44	+ 4 0.6	1.011	2.003	3.8	19.5
10 28	1 2.43	+ 3 28.7	1.040	2.005	9.4	19.8
11 7	0 56.58	+ 3 13.0	1.092	2.009	14.5	20.1
11 17	0 53.70	+ 3 17.0	1.162	2.014	18.9	20.4
207180 2005 EU			10 13.4	317°17	6°5/ 6.8	18
9 8	1 34.35	− 3 18.9	1.580	2.461	14.2	19.7
9 18	1 31.08	− 5 10.4	1.514	2.451	10.8	19.4
9 28	1 25.60	− 7 6.9	1.471	2.441	7.7	19.2
10 8	1 18.60	− 8 57.8	1.455	2.431	6.5	19.1
10 18	1 11.03	−10 32.4	1.464	2.421	8.4	19.2
10 28	1 4.01	−11 41.7	1.498	2.412	11.8	19.4
11 7	0 58.53	−12 21.1	1.555	2.404	15.2	19.6
11 17	0 55.26	−12 30.3	1.631	2.395	18.3	19.8
396151 2013 EK_{5}			10 13.4	1°90	2°0/11.5	18
9 8	1 35.94	+ 5 50.8	1.793	2.653	13.8	20.7
9 18	1 31.97	+ 4 57.1	1.724	2.653	10.3	20.5
9 28	1 26.00	+ 3 53.5	1.678	2.653	6.3	20.2
10 8	1 18.70	+ 2 45.4	1.658	2.653	2.5	20.0
10 18	1 10.95	+ 1 39.7	1.665	2.653	3.5	20.1
10 28	1 3.75	+ 0 43.4	1.700	2.654	7.5	20.3
11 7	0 57.97	+ 0 2.1	1.761	2.654	11.4	20.5
11 17	0 54.22	− 0 21.2	1.843	2.655	14.6	20.8
41691 2000 UF_{25}			10 13.4	270°02	1°2/12.2	18
9 8	1 37.37	+ 8 28.0	1.792	2.643	14.2	19.6
9 18	1 33.24	+ 7 34.9	1.704	2.628	10.7	19.3
9 28	1 26.93	+ 6 27.9	1.640	2.612	6.7	19.1
10 8	1 19.09	+ 5 11.9	1.601	2.596	2.3	18.8
10 18	1 10.60	+ 3 53.8	1.590	2.580	3.0	18.8
10 28	1 2.54	+ 2 41.7	1.607	2.564	7.5	19.0
11 7	0 55.89	+ 1 42.8	1.649	2.548	11.7	19.2
11 17	0 51.38	+ 1 1.9	1.715	2.531	15.4	19.4
246833 2009 UD_{136}			10 13.4	72°75	1°4/10.8	18
9 8	1 30.35	+ 1 40.7	4.222	5.066	6.8	20.1
9 18	1 26.71	+ 1 16.3	4.152	5.073	5.0	19.9
9 28	1 22.26	+ 0 50.0	4.109	5.079	3.1	19.8
10 8	1 17.30	+ 0 23.8	4.094	5.086	1.5	19.7
10 18	1 12.19	− 0 0.1	4.111	5.093	2.1	19.7
10 28	1 7.29	− 0 19.6	4.157	5.099	3.9	19.9
11 7	1 2.96	− 0 32.8	4.232	5.106	5.8	20.0
11 17	0 59.47	− 0 38.8	4.333	5.113	7.4	20.2
521918 2015 UQ_{47}			10 13.4	298°82	3°8/ 9.1	18
9 8	1 34.42	− 0 2.6	2.107	2.972	11.9	21.5
9 18	1 30.60	− 1 14.4	2.033	2.964	8.9	21.3
9 28	1 25.06	− 2 31.3	1.983	2.955	5.8	21.1
10 8	1 18.37	− 3 47.0	1.961	2.947	3.8	21.0
10 18	1 11.25	− 4 55.0	1.966	2.939	5.2	21.0
10 28	1 4.55	− 5 49.0	2.000	2.931	8.2	21.2
11 7	0 59.02	− 6 25.0	2.059	2.923	11.3	21.4
11 17	0 55.21	− 6 41.2	2.140	2.915	14.1	21.6
69925 1998 TU_{30}			10 13.4	260°67	1°1/12.3	18
9 8	1 38.72	+ 5 17.4	2.440	3.281	11.3	18.3
9 18	1 33.64	+ 5 5.0	2.352	3.270	8.5	18.1
9 28	1 26.90	+ 4 46.8	2.289	3.259	5.2	17.9
10 8	1 19.02	+ 4 25.7	2.253	3.248	1.9	17.7
10 18	1 10.69	+ 4 4.8	2.246	3.236	2.3	17.7
10 28	1 2.69	+ 3 48.1	2.269	3.225	5.8	17.9
11 7	0 55.77	+ 3 38.7	2.321	3.214	9.0	18.1
11 17	0 50.48	+ 3 39.1	2.396	3.202	11.9	18.2
89546 2001 XU_{92}			10 13.4	20°59	0°3/13.7	18
9 8	1 37.68	+10 39.2	1.805	2.649	14.4	19.5
9 18	1 33.30	+10 22.0	1.734	2.651	11.0	19.3
9 28	1 26.86	+ 9 52.5	1.686	2.654	7.0	19.1
10 8	1 19.02	+ 9 13.7	1.663	2.657	2.6	18.8
10 18	1 10.72	+ 8 30.4	1.667	2.661	2.0	18.8
10 28	1 2.97	+ 7 48.6	1.699	2.664	6.4	19.1
11 7	0 56.70	+ 7 14.0	1.758	2.668	10.3	19.3
11 17	0 52.53	+ 6 50.9	1.839	2.673	13.8	19.5

137578 1999 VN_{127} 10 13.4 338°.00 1°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 38.09	+ 5 41.2	1.137	2.019	18.5	20.2
9 18	1 34.76	+ 5 22.2	1.069	2.008	14.0	19.9
9 28	1 28.35	+ 4 50.9	1.020	1.998	8.7	19.5
10 8	1 19.69	+ 4 12.9	0.993	1.989	3.2	19.2
10 18	1 10.11	+ 3 35.9	0.989	1.981	4.0	19.2
10 28	1 1.26	+ 3 8.4	1.009	1.974	9.8	19.5
11 7	0 54.59	+ 2 57.4	1.051	1.967	15.1	19.8
11 17	0 51.00	+ 3 6.3	1.112	1.962	19.7	20.1

172290 2002 TW_{166} 10 13.4 348°.98 6°.4/20.1 18

9 8	1 37.55	+28 27.5	1.882	2.646	16.9	19.7
9 18	1 33.45	+28 31.2	1.798	2.645	14.2	19.5
9 28	1 27.08	+28 9.6	1.734	2.645	11.2	19.3
10 8	1 19.14	+27 21.6	1.692	2.644	8.2	19.1
10 18	1 10.62	+26 9.1	1.676	2.644	6.4	19.0
10 28	1 2.65	+24 38.3	1.686	2.643	7.2	19.1
11 7	0 56.25	+22 58.6	1.724	2.643	9.9	19.2
11 17	0 52.12	+21 19.7	1.785	2.643	13.0	19.4

335749 2007 ER_{47} 10 13.4 82°.36 1°.4/12.2 18

9 8	1 38.80	+ 7 46.1	1.577	2.435	15.5	20.9
9 18	1 34.32	+ 6 55.7	1.515	2.442	11.6	20.7
9 28	1 27.54	+ 5 52.6	1.475	2.449	7.1	20.4
10 8	1 19.28	+ 4 42.8	1.460	2.455	2.5	20.1
10 18	1 10.55	+ 3 33.7	1.472	2.462	3.2	20.2
10 28	1 2.53	+ 2 33.3	1.511	2.469	7.8	20.5
11 7	0 56.21	+ 1 48.1	1.575	2.476	12.0	20.8
11 17	0 52.21	+ 1 21.6	1.661	2.482	15.6	21.0

332874 2010 XN_{86} 10 13.4 170°.98 4°.6/17.3 18

9 8	1 40.90	+21 44.7	1.565	2.372	18.0	21.0
9 18	1 36.25	+21 44.6	1.488	2.373	14.6	20.8
9 28	1 28.96	+21 20.5	1.432	2.374	10.6	20.5
10 8	1 19.85	+20 32.4	1.398	2.375	6.6	20.3
10 18	1 10.04	+19 23.8	1.390	2.375	4.6	20.2
10 28	1 0.90	+18 2.6	1.408	2.375	7.2	20.3
11 7	0 53.62	+16 38.9	1.453	2.376	11.2	20.6
11 17	0 48.98	+15 22.5	1.521	2.375	15.0	20.8

359967 2012 BD_{151} 10 13.4 270°.97 8°.3/ 4.8 18

9 8	1 38.98	−15 6.8	2.039	2.896	12.5	20.2
9 18	1 34.09	−16 20.5	1.978	2.886	10.3	20.0
9 28	1 27.27	−17 26.4	1.941	2.877	8.7	19.9
10 8	1 19.17	−18 16.9	1.930	2.867	8.4	19.9
10 18	1 10.64	−18 45.7	1.944	2.857	9.7	20.0
10 28	1 2.64	−18 48.8	1.983	2.847	11.8	20.1
11 7	0 56.00	−18 26.0	2.044	2.838	14.2	20.2
11 17	0 51.32	−17 39.4	2.125	2.828	16.3	20.4

207204 2005 EX_{64} 10 13.4 250°.27 2°.6/10.8 18

9 8	1 37.32	+ 3 56.5	1.860	2.720	13.4	20.5
9 18	1 32.99	+ 2 58.8	1.786	2.715	10.0	20.3
9 28	1 26.66	+ 1 52.6	1.736	2.710	6.2	20.0
10 8	1 18.98	+ 0 43.6	1.712	2.705	2.9	19.8
10 18	1 10.80	− 0 21.2	1.716	2.700	4.1	19.9
10 28	1 3.13	− 1 15.1	1.747	2.695	7.9	20.1
11 7	0 56.86	− 1 52.8	1.804	2.689	11.6	20.3
11 17	0 52.59	− 2 11.8	1.884	2.684	14.8	20.5

276227 2002 QG_{131} 10 13.4 343°.42 1°.7/11.6 17

9 8	1 36.07	+ 4 26.5	2.164	3.017	12.0	20.8
9 18	1 31.78	+ 3 55.8	2.089	3.014	9.0	20.6
9 28	1 25.78	+ 3 18.6	2.039	3.012	5.5	20.4
10 8	1 18.64	+ 2 39.0	2.015	3.010	2.2	20.2
10 18	1 11.10	+ 2 1.5	2.020	3.008	3.0	20.2
10 28	1 3.99	+ 1 30.9	2.053	3.006	6.5	20.4
11 7	0 58.06	+ 1 11.1	2.112	3.004	9.8	20.7
11 17	0 53.87	+ 1 4.4	2.196	3.003	12.8	20.8

20698 1999 VE_{127} 10 13.4 157°.58 0°.6/12.7 18

9 8	1 38.51	+ 9 24.2	2.079	2.917	13.0	18.7
9 18	1 33.63	+ 8 36.4	2.006	2.923	9.8	18.5
9 28	1 26.92	+ 7 37.1	1.958	2.928	6.0	18.3
10 8	1 19.04	+ 6 30.6	1.937	2.932	2.1	18.0
10 18	1 10.77	+ 5 22.7	1.944	2.936	2.3	18.0
10 28	1 3.02	+ 4 19.5	1.981	2.940	6.2	18.3
11 7	0 56.59	+ 3 26.8	2.046	2.943	9.8	18.5
11 17	0 52.02	+ 2 48.4	2.134	2.946	12.9	18.8

278218 2007 EZ_{64} 10 13.4 246°.47 1°.2/12.4 18

9 8	1 40.47	+ 7 20.3	1.760	2.609	14.5	22.0
9 18	1 35.59	+ 6 46.5	1.676	2.598	11.0	21.8
9 28	1 28.43	+ 6 1.4	1.615	2.587	6.8	21.5
10 8	1 19.66	+ 5 9.3	1.579	2.575	2.4	21.2
10 18	1 10.22	+ 4 16.0	1.572	2.563	2.9	21.2
10 28	1 1.25	+ 3 28.3	1.592	2.551	7.5	21.5
11 7	0 53.81	+ 2 52.4	1.639	2.538	11.7	21.7
11 17	0 48.62	+ 2 32.3	1.707	2.525	15.4	21.9

189207 2003 SW_{196} 10 13.4 119°.52 9°.8/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 42.23	+45 52.9	2.716	3.309	15.6	20.0
9 18	1 36.75	+46 37.3	2.634	3.319	14.3	19.9
9 28	1 29.05	+46 57.6	2.569	3.329	12.8	19.8
10 8	1 19.84	+46 50.2	2.522	3.338	11.4	19.7
10 18	1 10.07	+46 13.8	2.496	3.347	10.3	19.7
10 28	1 0.85	+45 10.3	2.495	3.356	9.8	19.7
11 7	0 53.15	+43 45.3	2.518	3.364	10.2	19.7
11 17	0 47.68	+42 6.2	2.566	3.372	11.2	19.8

517459 2014 OV_{358} 10 13.4 149°.54 2°.8/ 9.8 18

9 8	1 34.79	+ 1 50.8	2.462	3.316	10.7	21.9
9 18	1 30.57	+ 0 42.0	2.394	3.320	7.9	21.8
9 28	1 24.91	− 0 31.8	2.352	3.324	5.0	21.6
10 8	1 18.31	− 1 45.5	2.338	3.328	2.9	21.5
10 18	1 11.42	− 2 53.5	2.354	3.331	4.0	21.5
10 28	1 4.94	− 3 50.7	2.399	3.334	6.8	21.7
11 7	0 59.49	− 4 33.3	2.471	3.338	9.6	21.9
11 17	0 55.55	− 4 59.4	2.566	3.340	12.1	22.1

5104 Skripnichenko 10 13.4 168°.37 0°.3/13.1 18

9 8	1 37.16	+11 52.0	2.066	2.899	13.3	16.7
9 18	1 32.66	+10 46.6	1.989	2.902	10.0	16.5
9 28	1 26.35	+ 9 26.6	1.937	2.905	6.3	16.2
10 8	1 18.85	+ 7 56.7	1.912	2.907	2.2	16.0
10 18	1 10.96	+ 6 23.5	1.916	2.909	2.1	16.0
10 28	1 3.57	+ 4 54.5	1.950	2.910	6.2	16.2
11 7	0 57.49	+ 3 36.7	2.012	2.911	9.9	16.5
11 17	0 53.25	+ 2 35.0	2.098	2.912	13.0	16.7

34324 2000 QB_{199} 10 13.4 23°.94 2°.0/11.5 18

9 8	1 36.80	+ 4 51.7	1.795	2.655	13.8	18.7
9 18	1 32.59	+ 4 10.7	1.730	2.658	10.3	18.5
9 28	1 26.39	+ 3 21.5	1.688	2.662	6.3	18.2
10 8	1 18.88	+ 2 29.3	1.671	2.666	2.6	18.0
10 18	1 10.94	+ 1 40.0	1.683	2.670	3.5	18.1
10 28	1 3.59	+ 0 59.9	1.721	2.675	7.4	18.4
11 7	0 57.68	+ 0 33.5	1.786	2.680	11.2	18.6
11 17	0 53.80	+ 0 23.5	1.872	2.685	14.4	18.8

150131 1995 BO_{7} 10 13.4 75°.02 6°.0/18.3 18

9 8	1 44.91	+23 50.0	1.586	2.376	18.5	19.3
9 18	1 39.07	+24 23.9	1.528	2.397	15.2	19.2
9 28	1 30.59	+24 34.1	1.490	2.418	11.4	19.0
10 8	1 20.39	+24 19.5	1.475	2.439	7.8	18.8
10 18	1 9.68	+23 42.1	1.485	2.460	6.0	18.8
10 28	0 59.87	+22 48.1	1.522	2.481	7.6	18.9
11 7	0 52.09	+21 46.7	1.584	2.502	10.8	19.2
11 17	0 47.03	+20 46.8	1.670	2.522	14.0	19.4

181443 2006 SJ_{393} 10 13.4 99°.71 1°.7/12.0 18

9 8	1 43.16	+ 5 56.0	1.561	2.416	15.8	20.3
9 18	1 37.49	+ 5 19.2	1.507	2.432	11.8	20.1
9 28	1 29.46	+ 4 32.7	1.476	2.449	7.2	19.9
10 8	1 19.95	+ 3 42.1	1.470	2.465	2.7	19.7
10 18	1 10.08	+ 2 54.0	1.491	2.481	3.4	19.8
10 28	1 1.07	+ 2 15.1	1.540	2.496	7.9	20.1
11 7	0 53.91	+ 1 50.4	1.614	2.511	12.0	20.4
11 17	0 49.20	+ 1 42.3	1.710	2.526	15.5	20.6

8238 Courbet 10 13.4 257°.55 0°.4/13.7 18

9 8	1 40.12	+10 11.3	2.174	3.005	12.8	18.9
9 18	1 34.99	+10 4.4	2.081	2.991	9.8	18.7
9 28	1 27.92	+ 9 47.5	2.010	2.976	6.3	18.5
10 8	1 19.46	+ 9 22.7	1.967	2.961	2.4	18.2
10 18	1 10.41	+ 8 53.2	1.952	2.946	1.8	18.1
10 28	1 1.70	+ 8 23.6	1.967	2.930	5.8	18.4
11 7	0 54.21	+ 7 58.7	2.010	2.915	9.6	18.6
11 17	0 48.60	+ 7 42.3	2.077	2.899	12.8	18.8

247119 2000 UP_{63} 10 13.4 14°.60 4°.1/16.5 18

9 8	1 33.44	+19 29.7	0.970	1.834	22.5	18.9
9 18	1 31.55	+19 17.3	0.917	1.837	17.9	18.7
9 28	1 26.40	+18 32.2	0.880	1.843	12.5	18.4
10 8	1 19.01	+17 16.9	0.862	1.850	6.9	18.1
10 18	1 10.88	+15 39.9	0.866	1.858	4.2	18.0
10 28	1 3.76	+13 55.0	0.893	1.868	8.5	18.3
11 7	0 59.08	+12 17.8	0.941	1.879	13.8	18.6
11 17	0 57.59	+10 59.4	1.009	1.892	18.6	19.0

79389 1997 GW_{13} 10 13.4 286°.83 1°.7/14.5 18

9 8	1 42.65	+12 19.4	1.484	2.327	17.1	19.7
9 18	1 37.76	+12 30.9	1.402	2.316	13.3	19.4
9 28	1 30.08	+12 27.6	1.340	2.305	8.8	19.1
10 8	1 20.33	+12 11.0	1.302	2.294	3.9	18.8
10 18	1 9.69	+11 44.3	1.290	2.284	2.5	18.7
10 28	0 59.57	+11 13.7	1.305	2.273	7.5	19.0
11 7	0 51.31	+10 46.3	1.345	2.263	12.3	19.3
11 17	0 45.80	+10 28.2	1.407	2.252	16.5	19.5

478894 2012 WZ_{16} 10 13.4 303°.71 15°.2/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 36.42	−27 11.3	1.567	2.415	16.1	20.3
9 18	1 33.24	−30 22.2	1.514	2.382	15.3	20.1
9 28	1 27.34	−33 17.0	1.482	2.349	15.5	20.1
10 8	1 19.39	−35 40.0	1.473	2.315	16.8	20.1
10 18	1 10.46	−37 19.2	1.484	2.281	18.7	20.1
10 28	1 1.97	−38 8.3	1.512	2.248	20.9	20.2
11 7	0 55.22	−38 7.8	1.553	2.214	22.9	20.3
11 17	0 51.16	−37 23.0	1.604	2.181	24.8	20.4

401272 2012 CG_{11} 10 13.4 20°.22 4°.2/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.45	+20 10.5	1.955	2.756	15.1	20.7
9 18	1 34.68	+20 34.9	1.878	2.758	12.2	20.5
9 28	1 27.79	+20 42.3	1.821	2.761	8.9	20.3
10 8	1 19.43	+20 32.5	1.790	2.764	5.7	20.1
10 18	1 10.51	+20 7.2	1.785	2.768	4.2	20.0
10 28	1 2.10	+19 30.8	1.808	2.772	6.2	20.2
11 7	0 55.13	+18 49.6	1.857	2.776	9.4	20.4
11 17	0 50.30	+18 9.9	1.931	2.780	12.6	20.6

78432 Helensailer 10 13.4 301°.22 0°.1/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.47	+ 9 1.8	2.266	3.105	12.1	20.2
9 18	1 32.13	+ 8 45.2	2.178	3.094	9.1	20.0
9 28	1 26.06	+ 8 19.4	2.114	3.083	5.8	19.7
10 8	1 18.80	+ 7 47.2	2.077	3.072	2.0	19.5
10 18	1 11.06	+ 7 12.0	2.069	3.062	1.8	19.4
10 28	1 3.67	+ 6 38.7	2.089	3.051	5.6	19.7
11 7	0 57.40	+ 6 11.5	2.137	3.041	9.1	19.9
11 17	0 52.84	+ 5 54.0	2.209	3.031	12.2	20.1

43530 2001 DN_{69} 10 13.4 108°.69 1°.9/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.71	+ 4 13.6	2.409	3.258	11.1	18.9
9 18	1 31.27	+ 3 22.3	2.345	3.268	8.2	18.7
9 28	1 25.35	+ 2 25.0	2.306	3.278	5.0	18.5
10 8	1 18.49	+ 1 26.1	2.295	3.288	2.2	18.3
10 18	1 11.37	+ 0 30.6	2.313	3.298	3.1	18.4
10 28	1 4.69	− 0 16.7	2.360	3.307	6.2	18.6
11 7	0 59.10	− 0 52.1	2.435	3.316	9.1	18.8
11 17	0 55.06	− 1 13.5	2.534	3.326	11.7	19.0

368473 2003 SY_{192} 10 13.4 343°.13 5°.4/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.39	+18 53.0	1.161	2.004	20.8	20.2
9 18	1 35.98	+19 32.2	1.089	1.997	16.8	19.9
9 28	1 29.28	+19 47.8	1.035	1.990	12.2	19.6
10 8	1 20.13	+19 38.1	1.002	1.984	7.5	19.3
10 18	1 9.90	+19 4.8	0.991	1.979	5.4	19.2
10 28	1 0.37	+18 15.1	1.004	1.975	8.7	19.4
11 7	0 53.14	+17 20.0	1.040	1.971	13.5	19.6
11 17	0 49.22	+16 30.1	1.095	1.969	18.1	19.9

340086 2005 WL_{33} 10 13.4 309°.66 3°.4/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.76	− 3 18.6	2.743	3.599	9.7	20.2
9 18	1 30.56	− 3 52.0	2.655	3.580	7.3	20.0
9 28	1 24.95	− 4 26.1	2.593	3.560	4.9	19.8
10 8	1 18.39	− 4 57.1	2.558	3.541	3.5	19.7
10 18	1 11.44	− 5 21.2	2.552	3.521	4.4	19.8
10 28	1 4.76	− 5 34.7	2.575	3.502	6.8	19.9
11 7	0 58.97	− 5 35.5	2.624	3.483	9.4	20.0
11 17	0 54.54	− 5 22.6	2.697	3.464	11.7	20.2

362872 2012 BZ_{87} 10 13.4 349°.26 1°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.19	+ 6 23.9	2.043	2.893	12.8	21.0
9 18	1 32.74	+ 5 56.8	1.969	2.891	9.6	20.8
9 28	1 26.45	+ 5 21.6	1.918	2.890	5.9	20.6
10 8	1 18.94	+ 4 41.9	1.894	2.889	2.1	20.3
10 18	1 10.99	+ 4 2.4	1.898	2.889	2.6	20.4
10 28	1 3.51	+ 3 28.5	1.930	2.888	6.4	20.6
11 7	0 57.32	+ 3 4.3	1.989	2.887	10.0	20.8
11 17	0 52.97	+ 2 52.8	2.072	2.887	13.1	21.1

313323 2002 EJ_{152} 10 13.4 314°.42 0°.7/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 31.05	+12 36.5	4.037	4.850	7.7	20.5
9 18	1 27.37	+12 28.0	3.945	4.843	5.9	20.4
9 28	1 22.78	+12 13.1	3.879	4.838	3.8	20.2
10 8	1 17.58	+11 53.1	3.841	4.832	1.7	20.1
10 18	1 12.15	+11 29.7	3.833	4.826	1.1	20.0
10 28	1 6.91	+11 5.3	3.855	4.820	3.2	20.2
11 7	1 2.26	+10 42.1	3.907	4.814	5.3	20.3
11 17	0 58.51	+10 22.4	3.987	4.809	7.2	20.4

254834 2005 QX_{165} 10 13.4 342°.31 5°.0/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 32.53	− 0 4.8	1.628	2.508	13.9	19.9
9 18	1 29.66	− 1 42.0	1.561	2.500	10.4	19.6
9 28	1 24.71	− 3 26.7	1.517	2.492	6.9	19.4
10 8	1 18.36	− 5 9.6	1.499	2.484	5.0	19.3
10 18	1 11.49	− 6 41.0	1.508	2.478	6.8	19.4
10 28	1 5.14	− 7 52.1	1.542	2.472	10.3	19.6
11 7	1 0.24	− 8 37.7	1.600	2.467	13.9	19.8
11 17	0 57.42	− 8 56.2	1.678	2.463	17.0	20.0

515831 2015 MF_{136} 10 13.4 74°.14 4°.1/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 38.60	− 0 16.1	1.750	2.616	13.8	21.0
9 18	1 33.88	− 1 17.2	1.697	2.628	10.3	20.8
9 28	1 27.15	− 2 21.9	1.668	2.640	6.6	20.6
10 8	1 19.16	− 3 23.4	1.665	2.652	4.1	20.5
10 18	1 10.85	− 4 14.9	1.689	2.665	5.5	20.6
10 28	1 3.22	− 4 50.4	1.740	2.677	8.8	20.8
11 7	0 57.12	− 5 6.9	1.816	2.689	12.2	21.1
11 17	0 53.12	− 5 3.6	1.914	2.701	15.1	21.3

283174 2009 HD_{81} 10 13.4 53°.04 4°.3/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.68	− 0 14.3	1.847	2.716	13.1	20.5
9 18	1 31.66	− 1 34.0	1.790	2.723	9.7	20.3
9 28	1 25.77	− 2 58.1	1.758	2.730	6.3	20.1
10 8	1 18.68	− 4 19.3	1.751	2.737	4.3	20.0
10 18	1 11.25	− 5 29.9	1.773	2.745	5.7	20.1
10 28	1 4.40	− 6 23.6	1.822	2.752	8.9	20.3
11 7	0 58.93	− 6 56.5	1.895	2.760	12.1	20.5
11 17	0 55.38	− 7 7.7	1.990	2.768	14.9	20.7

435107 2007 DY_{35} 10 13.4 154°.00 1°.1/12.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.52	+ 7 42.0	1.937	2.780	13.7	22.1
9 18	1 35.25	+ 6 57.6	1.868	2.787	10.2	21.9
9 28	1 28.01	+ 6 2.8	1.823	2.794	6.3	21.7
10 8	1 19.49	+ 5 2.1	1.804	2.800	2.2	21.5
10 18	1 10.56	+ 4 1.4	1.814	2.805	2.7	21.5
10 28	1 2.21	+ 3 7.2	1.854	2.810	6.8	21.8
11 7	0 55.31	+ 2 24.8	1.919	2.814	10.5	22.0
11 17	0 50.44	+ 1 57.5	2.009	2.818	13.7	22.3

349995 2010 FE_{92} 10 13.4 104°.99 7°.4/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.13	−12 27.9	2.037	2.893	12.6	20.9
9 18	1 35.43	−13 44.3	2.001	2.913	10.0	20.8
9 28	1 27.94	−14 53.2	1.989	2.932	8.0	20.7
10 8	1 19.40	−15 47.4	2.003	2.951	7.4	20.7
10 18	1 10.67	−16 21.4	2.045	2.970	8.6	20.8
10 28	1 2.67	−16 32.0	2.112	2.988	10.7	21.0
11 7	0 56.12	−16 19.3	2.203	3.006	13.0	21.2
11 17	0 51.51	−15 45.4	2.314	3.023	15.0	21.4

85968 1999 GB_{2} 10 13.4 12°.79 3°.7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.41	+ 0 35.7	1.412	2.283	16.2	18.2
9 18	1 36.57	+ 0 8.4	1.351	2.285	12.1	18.0
9 28	1 29.12	− 0 23.4	1.312	2.286	7.7	17.7
10 8	1 19.94	− 0 53.4	1.296	2.288	4.0	17.5
10 18	1 10.19	− 1 15.2	1.307	2.291	5.2	17.6
10 28	1 1.22	− 1 22.9	1.344	2.294	9.5	17.9
11 7	0 54.16	− 1 13.2	1.404	2.297	13.7	18.1
11 17	0 49.74	− 0 45.4	1.485	2.301	17.4	18.4

151413 2002 EN_{137} 10 13.4 309°.92 1°.3/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.87	+ 6 45.9	2.091	2.941	12.5	20.1
9 18	1 31.73	+ 6 2.0	2.016	2.939	9.4	19.9
9 28	1 25.81	+ 5 8.9	1.964	2.936	5.8	19.7
10 8	1 18.72	+ 4 11.0	1.939	2.934	2.1	19.4
10 18	1 11.22	+ 3 13.5	1.942	2.932	2.8	19.5
10 28	1 4.16	+ 2 22.5	1.974	2.929	6.5	19.7
11 7	0 58.31	+ 1 42.7	2.032	2.927	10.0	19.9
11 17	0 54.25	+ 1 17.5	2.114	2.925	13.1	20.1

285004 2010 UY_{98} 10 13.4 181°.43 3°.7/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.22	+19 6.6	1.725	2.531	16.7	21.6
9 18	1 38.56	+19 13.5	1.645	2.532	13.3	21.4
9 28	1 30.37	+19 1.0	1.586	2.533	9.4	21.1
10 8	1 20.41	+18 29.3	1.552	2.533	5.5	20.9
10 18	1 9.77	+17 41.1	1.544	2.532	3.8	20.8
10 28	0 59.74	+16 42.8	1.565	2.531	6.7	21.0
11 7	0 51.45	+15 42.5	1.612	2.529	10.7	21.2
11 17	0 45.68	+14 48.0	1.683	2.526	14.4	21.5

220105 2002 TL_{20} 10 13.4 83°.23 0°.2/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.98	+12 34.3	1.481	2.324	17.1	20.2
9 18	1 36.66	+11 42.5	1.433	2.349	12.9	20.0
9 28	1 28.95	+10 33.4	1.406	2.374	8.1	19.8
10 8	1 19.81	+ 9 12.8	1.404	2.399	2.9	19.5
10 18	1 10.39	+ 7 48.8	1.429	2.423	2.3	19.6
10 28	1 1.93	+ 6 30.6	1.482	2.447	7.2	19.9
11 7	0 55.40	+ 5 26.0	1.561	2.470	11.5	20.2
11 17	0 51.36	+ 4 39.7	1.662	2.493	15.1	20.5

58220 1993 BY_{4} 10 13.4 265°.18 1°.3/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.70	+12 53.8	1.354	2.202	18.1	19.7
9 18	1 37.20	+12 41.5	1.278	2.196	14.0	19.4
9 28	1 29.78	+12 10.5	1.221	2.189	9.2	19.1
10 8	1 20.27	+11 23.5	1.188	2.182	3.8	18.8
10 18	1 9.88	+10 26.2	1.181	2.175	2.5	18.7
10 28	1 0.16	+ 9 27.1	1.199	2.168	7.9	19.0
11 7	0 52.45	+ 8 35.6	1.242	2.160	13.0	19.3
11 17	0 47.62	+ 7 58.6	1.306	2.153	17.5	19.6

362294 2009 SZ_{241} 10 13.4 57°.51 3°.7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.73	− 1 11.1	2.037	2.899	12.3	20.5
9 18	1 33.00	− 1 54.2	1.982	2.910	9.2	20.3
9 28	1 26.52	− 2 39.3	1.950	2.921	6.0	20.1
10 8	1 18.94	− 3 21.1	1.946	2.933	3.7	20.0
10 18	1 11.08	− 3 54.4	1.969	2.944	4.8	20.1
10 28	1 3.79	− 4 14.9	2.020	2.956	7.8	20.3
11 7	0 57.82	− 4 20.0	2.097	2.968	10.9	20.6
11 17	0 53.68	− 4 9.0	2.196	2.980	13.5	20.8

316139 2009 SH_{237} 10 13.4 98°.11 4°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.86	− 5 25.0	2.240	3.100	11.4	20.1
9 18	1 33.01	− 6 12.3	2.179	3.103	8.7	19.9
9 28	1 26.50	− 6 58.6	2.142	3.106	6.1	19.8
10 8	1 18.95	− 7 38.6	2.133	3.109	4.7	19.7
10 18	1 11.07	− 8 7.3	2.151	3.112	5.8	19.8
10 28	1 3.69	− 8 20.9	2.198	3.116	8.3	20.0
11 7	0 57.51	− 8 17.6	2.269	3.119	11.0	20.1
11 17	0 53.04	− 7 57.5	2.363	3.122	13.4	20.3

414001 2007 FQ_{23} 10 13.4 110°.74 0°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.75	+ 8 55.2	2.516	3.346	11.3	21.7
9 18	1 33.49	+ 8 41.1	2.449	3.359	8.5	21.6
9 28	1 26.73	+ 8 19.2	2.406	3.373	5.3	21.4
10 8	1 19.01	+ 7 52.0	2.391	3.386	1.9	21.2
10 18	1 11.02	+ 7 22.8	2.405	3.398	1.6	21.2
10 28	1 3.48	+ 6 55.5	2.450	3.411	5.0	21.4
11 7	0 57.05	+ 6 33.6	2.523	3.423	8.1	21.6
11 17	0 52.20	+ 6 19.8	2.621	3.435	10.7	21.8

355404 2007 UJ_{61} 10 13.4 291°.86 0°.4/13.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.40	+11 48.9	1.829	2.669	14.4	21.6
9 18	1 33.40	+11 20.2	1.730	2.645	11.1	21.3
9 28	1 27.18	+10 36.2	1.653	2.621	7.2	21.0
10 8	1 19.32	+ 9 39.8	1.602	2.596	2.7	20.7
10 18	1 10.69	+ 8 35.8	1.578	2.571	2.1	20.6
10 28	1 2.37	+ 7 31.5	1.582	2.547	6.7	20.8
11 7	0 55.41	+ 6 34.2	1.612	2.522	11.1	21.0
11 17	0 50.60	+ 5 50.1	1.665	2.497	15.0	21.2

446950 2003 MO_{7} 10 13.4 52°.17 9°.7/ 2.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.82	−16 4.9	1.787	2.652	13.6	20.3
9 18	1 32.41	−18 14.5	1.773	2.681	11.3	20.2
9 28	1 26.14	−20 10.6	1.783	2.710	9.9	20.2
10 8	1 18.79	−21 43.6	1.818	2.740	9.9	20.2
10 18	1 11.30	−22 47.1	1.878	2.769	11.2	20.4
10 28	1 4.59	−23 18.1	1.962	2.798	13.1	20.6
11 7	0 59.42	−23 18.0	2.065	2.828	15.0	20.8
11 17	0 56.24	−22 50.8	2.186	2.857	16.7	21.0

1114 Lorraine 10 13.4 339°.34 0°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.98	+10 33.9	2.054	2.898	12.9	14.6
9 18	1 30.37	+ 9 38.5	1.976	2.895	9.8	14.4
9 28	1 25.01	+ 8 29.9	1.921	2.892	6.1	14.2
10 8	1 18.47	+ 7 12.6	1.893	2.889	2.1	13.9
10 18	1 11.51	+ 5 52.5	1.894	2.886	2.2	13.9
10 28	1 4.99	+ 4 36.8	1.923	2.884	6.2	14.2
11 7	0 59.69	+ 3 31.6	1.979	2.882	9.8	14.4
11 17	0 56.15	+ 2 41.6	2.059	2.880	13.0	14.6

327473 2005 YJ_{16} 10 13.4 278°.61 4°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.28	− 3 2.1	2.237	3.099	11.4	21.3
9 18	1 32.01	− 4 1.4	2.155	3.082	8.6	21.1
9 28	1 26.01	− 5 3.1	2.098	3.066	5.9	20.9
10 8	1 18.83	− 6 1.5	2.068	3.049	4.3	20.8
10 18	1 11.18	− 6 50.7	2.067	3.033	5.6	20.8
10 28	1 3.89	− 7 25.6	2.093	3.016	8.4	21.0
11 7	0 57.70	− 7 42.8	2.144	2.999	11.3	21.1
11 17	0 53.21	− 7 41.4	2.218	2.982	14.0	21.3

222243 2000 KE_{22} 10 13.4 133°.92 1°.1/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.43	+13 42.7	1.868	2.693	14.8	21.0
9 18	1 36.05	+13 16.7	1.799	2.705	11.3	20.8
9 28	1 28.57	+12 35.6	1.753	2.715	7.4	20.6
10 8	1 19.72	+11 42.4	1.733	2.725	3.1	20.4
10 18	1 10.47	+10 42.2	1.742	2.735	2.0	20.3
10 28	1 1.85	+ 9 41.6	1.779	2.744	6.1	20.6
11 7	0 54.79	+ 8 47.3	1.843	2.753	10.0	20.9
11 17	0 49.88	+ 8 4.4	1.932	2.761	13.4	21.1

357734 2005 RZ_{18} 10 13.4 90°.28 2°.2/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.37	+14 50.3	2.068	2.884	13.9	21.2
9 18	1 35.90	+15 3.3	1.995	2.892	10.8	21.0
9 28	1 28.46	+15 3.5	1.945	2.900	7.3	20.8
10 8	1 19.70	+14 51.9	1.920	2.907	3.7	20.6
10 18	1 10.48	+14 30.9	1.924	2.915	2.4	20.5
10 28	1 1.79	+14 4.8	1.957	2.923	5.6	20.7
11 7	0 54.50	+13 38.7	2.017	2.931	9.1	21.0
11 17	0 49.21	+13 17.2	2.103	2.938	12.2	21.2

347106 2010 HG_{104} 10 13.4 146°.20 3°.7/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.45	+23 20.1	2.334	3.107	13.8	21.2
9 18	1 34.30	+23 1.6	2.254	3.117	11.2	21.0
9 28	1 27.37	+22 24.4	2.197	3.126	8.2	20.9
10 8	1 19.29	+21 29.5	2.165	3.135	5.3	20.7
10 18	1 10.84	+20 19.9	2.162	3.143	3.7	20.6
10 28	1 2.91	+19 1.2	2.188	3.151	5.3	20.7
11 7	0 56.26	+17 40.4	2.243	3.158	8.2	20.9
11 17	0 51.44	+16 24.2	2.325	3.165	11.0	21.1

30102 2000 FC_{1} 10 13.4 45°.32 2°.7/ 8.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 32.84	− 6 5.2	4.252	5.099	6.7	18.0
9 18	1 28.57	− 6 23.1	4.184	5.101	5.1	17.9
9 28	1 23.47	− 6 39.8	4.143	5.104	3.5	17.8
10 8	1 17.85	− 6 52.8	4.131	5.106	2.7	17.7
10 18	1 12.07	− 7 0.3	4.149	5.108	3.3	17.8
10 28	1 6.51	− 7 0.5	4.196	5.111	4.8	17.9
11 7	1 1.54	− 6 52.3	4.272	5.113	6.4	18.0
11 17	0 57.46	− 6 35.4	4.373	5.116	7.9	18.1

102516 1999 TC_{306} 10 13.4 197°.30 0°.9/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.12	+12 49.4	1.741	2.573	15.4	21.0
9 18	1 36.87	+12 27.1	1.662	2.571	11.9	20.8
9 28	1 29.27	+11 49.2	1.604	2.568	7.7	20.5
10 8	1 20.05	+10 58.5	1.572	2.565	3.1	20.2
10 18	1 10.20	+10 0.1	1.568	2.562	2.1	20.2
10 28	1 0.93	+ 9 1.1	1.592	2.558	6.7	20.5
11 7	0 53.27	+ 8 8.7	1.643	2.553	11.0	20.7
11 17	0 47.96	+ 7 28.5	1.717	2.548	14.7	20.9

202854 2008 TJ_{99} 10 13.4 28°.72 0°.4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 30.15	+ 7 18.5	4.081	4.913	7.3	20.3
9 18	1 26.67	+ 6 56.6	4.002	4.916	5.4	20.2
9 28	1 22.34	+ 6 30.3	3.950	4.918	3.3	20.1
10 8	1 17.47	+ 6 1.4	3.926	4.921	1.1	19.9
10 18	1 12.42	+ 5 32.2	3.933	4.924	1.3	19.9
10 28	1 7.57	+ 5 5.0	3.970	4.927	3.4	20.1
11 7	1 3.30	+ 4 42.0	4.036	4.930	5.5	20.2
11 17	0 59.90	+ 4 24.9	4.128	4.933	7.3	20.4

85417 1996 XQ_{3} 10 13.4 89°.51 0°.6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.04	+ 6 28.5	2.025	2.865	13.2	19.5
9 18	1 36.34	+ 6 26.5	1.956	2.873	9.9	19.3
9 28	1 28.70	+ 6 17.5	1.912	2.882	6.2	19.1
10 8	1 19.79	+ 6 4.1	1.894	2.890	2.1	18.8
10 18	1 10.48	+ 5 49.9	1.906	2.898	2.2	18.9
10 28	1 1.73	+ 5 39.0	1.946	2.906	6.2	19.1
11 7	0 54.40	+ 5 34.8	2.013	2.914	9.8	19.4
11 17	0 49.07	+ 5 39.9	2.105	2.922	12.9	19.6

340391 2006 ER_{15} 10 13.4 354°.58 1°.5/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.49	+ 7 33.6	1.419	2.287	16.3	20.0
9 18	1 32.96	+ 6 49.1	1.352	2.284	12.3	19.8
9 28	1 26.95	+ 5 50.8	1.306	2.282	7.6	19.5
10 8	1 19.25	+ 4 44.8	1.284	2.280	2.7	19.2
10 18	1 10.93	+ 3 38.8	1.288	2.279	3.4	19.3
10 28	1 3.28	+ 2 41.7	1.317	2.278	8.4	19.6
11 7	0 57.40	+ 2 0.4	1.371	2.279	12.9	19.8
11 17	0 53.99	+ 1 39.2	1.446	2.279	16.8	20.1

97232 1999 XO_{60} 10 13.4 230°.30 6°.1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.88	− 8 11.6	2.032	2.890	12.5	19.9
9 18	1 35.54	− 9 8.1	1.963	2.883	9.7	19.7
9 28	1 28.25	−10 2.2	1.918	2.875	7.2	19.5
10 8	1 19.65	−10 47.0	1.899	2.867	6.1	19.5
10 18	1 10.60	−11 16.7	1.909	2.859	7.3	19.5
10 28	1 2.05	−11 26.7	1.945	2.850	10.0	19.7
11 7	0 54.87	−11 15.5	2.005	2.841	12.8	19.8
11 17	0 49.66	−10 43.9	2.087	2.832	15.4	20.0

108720 Kamikuroiwa 10 13.4 301°.50 3°.7/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.63	+ 0 59.5	1.848	2.714	13.2	19.5
9 18	1 32.51	− 0 7.2	1.780	2.711	9.9	19.3
9 28	1 26.41	− 1 20.0	1.735	2.708	6.3	19.0
10 8	1 19.01	− 2 32.2	1.716	2.705	3.8	18.9
10 18	1 11.15	− 3 36.6	1.725	2.702	5.2	19.0
10 28	1 3.82	− 4 26.4	1.761	2.699	8.6	19.2
11 7	0 57.85	− 4 57.4	1.822	2.696	12.1	19.4
11 17	0 53.87	− 5 7.7	1.905	2.694	15.1	19.6

361236 2006 SM_{184} 10 13.4 298°.44 1°.0/12.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.16	+ 9 23.6	1.841	2.693	13.9	22.0
9 18	1 31.57	+ 8 26.7	1.755	2.678	10.5	21.7
9 28	1 25.94	+ 7 15.2	1.691	2.663	6.5	21.5
10 8	1 18.89	+ 5 54.0	1.652	2.648	2.3	21.2
10 18	1 11.24	+ 4 30.1	1.642	2.634	2.7	21.2
10 28	1 4.01	+ 3 11.4	1.660	2.619	7.1	21.4
11 7	0 58.11	+ 2 5.4	1.704	2.605	11.2	21.6
11 17	0 54.23	+ 1 17.2	1.770	2.591	14.8	21.8

461231 2015 WF_4 10 13.4 3°.96 4°.9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.94	− 5 42.5	2.134	2.995	11.8	20.9
9 18	1 33.19	− 6 28.7	2.071	2.995	9.0	20.8
9 28	1 26.71	− 7 13.8	2.032	2.996	6.4	20.6
10 8	1 19.10	− 7 52.0	2.019	2.996	5.0	20.5
10 18	1 11.13	− 8 18.4	2.035	2.996	6.1	20.6
10 28	1 3.66	− 8 28.9	2.078	2.996	8.7	20.8
11 7	0 57.44	− 8 21.7	2.146	2.997	11.5	20.9
11 17	0 53.02	− 7 56.9	2.236	2.998	14.0	21.1

150032 2005 VE_{98} 10 13.4 89°.53 0°.5/12.9 18

9 8	1 37.86	+ 8 23.1	2.119	2.961	12.7	20.5
9 18	1 33.18	+ 7 57.9	2.048	2.965	9.5	20.3
9 28	1 26.73	+ 7 23.4	2.000	2.970	5.9	20.1
10 8	1 19.12	+ 6 43.0	1.979	2.975	2.0	19.9
10 18	1 11.12	+ 6 1.2	1.987	2.980	2.1	19.9
10 28	1 3.61	+ 5 22.9	2.024	2.984	5.9	20.2
11 7	0 57.36	+ 4 52.8	2.087	2.989	9.4	20.4
11 17	0 52.92	+ 4 34.0	2.175	2.994	12.5	20.6

4788 Simpson 10 13.4 354°.12 4°.2/16.3 18

9 8	1 37.18	+18 15.2	1.131	1.982	20.7	16.5
9 18	1 34.26	+18 26.7	1.064	1.978	16.6	16.2
9 28	1 28.18	+18 12.2	1.015	1.974	11.7	15.9
10 8	1 19.81	+17 32.1	0.986	1.972	6.6	15.6
10 18	1 10.51	+16 30.8	0.979	1.970	4.4	15.5
10 28	1 2.01	+15 18.2	0.997	1.970	8.3	15.7
11 7	0 55.76	+14 6.5	1.037	1.970	13.4	16.0
11 17	0 52.68	+13 6.2	1.097	1.972	18.0	16.3

312660 2010 KS_{95} 10 13.4 357°.50 3°.7/10.2 18

9 8	1 35.77	+ 1 24.8	1.641	2.514	14.3	19.8
9 18	1 32.07	+ 0 28.3	1.577	2.512	10.6	19.6
9 28	1 26.24	− 0 34.6	1.535	2.510	6.8	19.3
10 8	1 18.99	− 1 37.0	1.518	2.509	3.8	19.2
10 18	1 11.25	− 2 31.6	1.528	2.509	5.2	19.2
10 28	1 4.10	− 3 11.5	1.564	2.509	8.9	19.5
11 7	0 58.46	− 3 32.4	1.625	2.510	12.7	19.7
11 17	0 54.97	− 3 32.7	1.706	2.511	15.9	19.9

13440 2095 P–L 10 13.4 304°.32 1°.3/14.5 18

9 8	1 38.61	+13 0.0	1.677	2.517	15.6	19.4
9 18	1 34.45	+12 52.4	1.591	2.504	12.1	19.1
9 28	1 27.91	+12 29.5	1.526	2.491	8.0	18.9
10 8	1 19.65	+11 53.4	1.486	2.478	3.5	18.6
10 18	1 10.65	+11 8.2	1.472	2.466	2.2	18.5
10 28	1 2.09	+10 20.3	1.485	2.453	6.7	18.7
11 7	0 55.08	+ 9 37.0	1.524	2.441	11.2	18.9
11 17	0 50.42	+ 9 4.2	1.586	2.430	15.1	19.2

396408 2014 ER_7 10 13.4 102°.79 3°.9/ 9.2 18

9 8	1 37.82	+ 0 23.0	2.040	2.899	12.4	21.3
9 18	1 33.04	− 1 3.1	1.990	2.918	9.2	21.1
9 28	1 26.56	− 2 33.3	1.965	2.936	5.9	21.0
10 8	1 19.03	− 4 0.4	1.968	2.954	3.9	20.9
10 18	1 11.26	− 5 17.5	2.000	2.971	5.2	21.0
10 28	1 4.10	− 6 18.4	2.060	2.988	8.2	21.2
11 7	0 58.26	− 6 59.8	2.146	3.005	11.2	21.4
11 17	0 54.23	− 7 20.7	2.254	3.021	13.7	21.7

467548 2007 TE_{81} 10 13.4 81°.86 0°.5/13.1 17

9 8	1 47.90	+ 7 19.2	1.293	2.148	18.4	20.8
9 18	1 41.56	+ 7 20.5	1.241	2.165	13.9	20.5
9 28	1 32.29	+ 7 10.7	1.210	2.182	8.6	20.3
10 8	1 21.15	+ 6 53.4	1.203	2.199	3.0	20.0
10 18	1 9.54	+ 6 33.9	1.223	2.216	2.8	20.1
10 28	0 59.01	+ 6 18.5	1.269	2.232	8.2	20.4
11 7	0 50.81	+ 6 12.6	1.339	2.249	13.0	20.8
11 17	0 45.62	+ 6 19.3	1.430	2.265	16.9	21.1

137561 1999 VH_{94} 10 13.4 37°.68 0°.2/13.6 18

9 8	1 38.38	+12 6.9	0.991	1.867	21.0	18.6
9 18	1 34.84	+11 24.5	0.954	1.889	15.9	18.3
9 28	1 28.21	+10 20.4	0.936	1.911	9.9	18.1
10 8	1 19.69	+ 9 2.2	0.939	1.935	3.6	17.8
10 18	1 10.80	+ 7 40.5	0.965	1.959	2.8	17.9
10 28	1 3.17	+ 6 27.4	1.015	1.985	8.8	18.3
11 7	0 57.99	+ 5 32.2	1.087	2.011	13.9	18.7
11 17	0 55.83	+ 4 59.6	1.179	2.037	18.2	19.0

266203 2006 WJ_{28} 10 13.4 241°.86 2°.9/11.1 18

9 8	1 41.48	+ 3 10.7	1.686	2.544	14.6	21.4
9 18	1 36.47	+ 2 26.2	1.607	2.534	11.0	21.1
9 28	1 29.10	+ 1 33.5	1.550	2.524	6.9	20.9
10 8	1 20.06	+ 0 38.2	1.520	2.513	3.2	20.6
10 18	1 10.36	− 0 12.7	1.517	2.502	4.4	20.7
10 28	1 1.18	− 0 52.2	1.541	2.490	8.6	20.9
11 7	0 53.59	− 1 15.2	1.590	2.478	12.7	21.1
11 17	0 48.34	− 1 19.3	1.661	2.466	16.3	21.3

24400 2000 AF_{192} 10 13.4 273°.99 4°.2/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 34.17	− 1 40.2	2.268	3.131	11.2	18.4
9 18	1 30.35	− 3 5.7	2.198	3.127	8.4	18.3
9 28	1 24.95	− 4 34.8	2.154	3.123	5.6	18.1
10 8	1 18.51	− 6 1.1	2.138	3.119	4.2	18.0
10 18	1 11.71	− 7 18.0	2.150	3.114	5.6	18.1
10 28	1 5.30	− 8 19.5	2.191	3.110	8.3	18.2
11 7	0 59.97	− 9 1.9	2.257	3.106	11.1	18.4
11 17	0 56.24	− 9 23.9	2.345	3.101	13.5	18.6

315208 2007 RS_{22} 10 13.4 10°.61 2°.5/17.9 18

9 8	1 31.97	+21 51.5	4.267	5.030	8.1	20.2
9 18	1 28.09	+21 57.9	4.175	5.031	6.6	20.1
9 28	1 23.29	+21 55.1	4.108	5.031	4.9	20.0
10 8	1 17.88	+21 43.8	4.067	5.032	3.3	19.9
10 18	1 12.24	+21 24.8	4.056	5.033	2.5	19.8
10 28	1 6.79	+21 0.1	4.075	5.033	3.3	19.9
11 7	1 1.92	+20 32.1	4.123	5.034	4.9	20.0
11 17	0 57.98	+20 3.6	4.199	5.035	6.6	20.1

328501 2009 PQ_{14} 10 13.4 71°.58 3°.0/15.5 18

9 8	1 45.42	+15 35.6	1.405	2.237	18.5	20.2
9 18	1 39.66	+15 55.0	1.349	2.254	14.4	20.0
9 28	1 31.12	+15 55.8	1.314	2.271	9.8	19.8
10 8	1 20.75	+15 39.1	1.301	2.289	5.1	19.6
10 18	1 9.88	+15 8.5	1.315	2.306	3.3	19.5
10 28	0 59.95	+14 30.7	1.355	2.323	7.2	19.8
11 7	0 52.16	+13 53.8	1.421	2.341	11.6	20.1
11 17	0 47.21	+13 24.3	1.509	2.358	15.4	20.4

471530 2012 HW_{22} 10 13.4 40°.55 11°.7/ 7.4 16

9 8	1 45.43	−15 28.8	1.080	1.961	19.3	19.7
9 18	1 39.68	−16 35.5	1.061	1.984	15.7	19.6
9 28	1 30.95	−17 24.3	1.061	2.009	12.8	19.5
10 8	1 20.58	−17 44.4	1.082	2.035	11.7	19.5
10 18	1 10.16	−17 29.8	1.126	2.061	13.0	19.7
10 28	1 1.24	−16 40.1	1.190	2.088	15.5	19.9
11 7	0 54.89	−15 20.4	1.275	2.115	18.4	20.2
11 17	0 51.59	−13 38.1	1.377	2.143	20.9	20.5

392107 2009 EX_{10} 10 13.4 108°.42 2°.4/11.1 18

9 8	1 39.14	+ 3 16.9	2.084	2.935	12.5	21.8
9 18	1 34.05	+ 2 29.2	2.026	2.950	9.3	21.6
9 28	1 27.22	+ 1 35.7	1.992	2.964	5.7	21.4
10 8	1 19.30	+ 0 41.4	1.986	2.978	2.7	21.2
10 18	1 11.09	− 0 8.1	2.008	2.992	3.6	21.3
10 28	1 3.47	− 0 47.7	2.059	3.006	7.0	21.6
11 7	0 57.17	− 1 13.7	2.137	3.019	10.2	21.8
11 17	0 52.71	− 1 24.4	2.238	3.032	13.0	22.0

521613 2015 PK_{320} 10 13.4 333°.81 3°.4/ 9.7 18

9 8	1 34.76	+ 2 10.1	1.922	2.787	12.8	21.2
9 18	1 31.06	+ 0 53.0	1.852	2.784	9.5	21.0
9 28	1 25.51	− 0 31.5	1.807	2.781	6.0	20.8
10 8	1 18.74	− 1 56.7	1.788	2.778	3.5	20.6
10 18	1 11.54	− 3 14.9	1.797	2.775	4.9	20.7
10 28	1 4.82	− 4 19.1	1.834	2.773	8.3	20.9
11 7	0 59.38	− 5 4.5	1.896	2.770	11.7	21.1
11 17	0 55.81	− 5 28.8	1.980	2.768	14.7	21.3

262396 2006 UV_{10} 10 13.4 275°.18 0°.2/13.3 17

9 8	1 38.90	+11 10.5	1.482	2.334	16.6	20.8
9 18	1 34.84	+10 29.3	1.404	2.327	12.7	20.5
9 28	1 28.22	+ 9 30.5	1.348	2.319	8.0	20.2
10 8	1 19.79	+ 8 18.5	1.316	2.312	2.9	19.9
10 18	1 10.64	+ 7 0.6	1.311	2.304	2.5	19.9
10 28	1 2.09	+ 5 46.3	1.332	2.297	7.8	20.2
11 7	0 55.29	+ 4 44.3	1.378	2.289	12.6	20.4
11 17	0 51.05	+ 4 0.7	1.445	2.282	16.7	20.7

153298 Paulmyers 10 13.4 97°.39 0°.2/13.2 18

9 8	1 36.10	+10 3.9	2.427	3.260	11.6	20.3
9 18	1 31.62	+ 9 25.1	2.361	3.274	8.7	20.1
9 28	1 25.65	+ 8 36.6	2.319	3.287	5.4	20.0
10 8	1 18.74	+ 7 42.0	2.305	3.300	1.9	19.7
10 18	1 11.57	+ 6 45.6	2.320	3.313	1.7	19.7
10 28	1 4.85	+ 5 52.3	2.365	3.326	5.2	20.0
11 7	0 59.22	+ 5 6.8	2.438	3.338	8.3	20.2
11 17	0 55.16	+ 4 32.2	2.536	3.351	11.0	20.4

59155 1998 XL_{99} 10 13.4 50°.46 2°.8/10.9 18

9 8	1 38.10	+ 1 32.6	1.952	2.811	12.9	19.8
9 18	1 33.35	+ 0 56.2	1.900	2.828	9.5	19.6
9 28	1 26.80	+ 0 15.8	1.872	2.845	6.0	19.4
10 8	1 19.16	− 0 23.7	1.871	2.862	3.0	19.3
10 18	1 11.24	− 0 57.0	1.897	2.880	4.0	19.4
10 28	1 3.96	− 1 19.7	1.952	2.898	7.3	19.6
11 7	0 58.05	− 1 28.8	2.032	2.916	10.6	19.8
11 17	0 54.03	− 1 23.0	2.135	2.934	13.4	20.1

19949 1981 EM_{46} 10 13.4 346°.39 0°.9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 38.75	+12 25.7	1.236	2.097	18.7	18.9
9 18	1 35.13	+12 7.6	1.168	2.093	14.4	18.7
9 28	1 28.58	+11 29.8	1.119	2.090	9.3	18.4
10 8	1 19.95	+10 36.0	1.093	2.087	3.7	18.0
10 18	1 10.52	+ 9 32.9	1.090	2.084	2.5	18.0
10 28	1 1.84	+ 8 30.2	1.113	2.083	8.2	18.3
11 7	0 55.24	+ 7 37.7	1.159	2.081	13.4	18.6
11 17	0 51.57	+ 7 2.0	1.226	2.081	17.9	18.9

298617 2004 AH_{12} 10 13.4 163°.38 6°.0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.08	− 6 54.0	1.933	2.797	12.8	20.3
9 18	1 34.23	− 7 59.8	1.874	2.798	9.9	20.1
9 28	1 27.45	− 9 3.9	1.838	2.799	7.2	20.0
10 8	1 19.43	− 9 59.1	1.829	2.800	6.0	19.9
10 18	1 11.02	−10 39.2	1.847	2.801	7.3	20.0
10 28	1 3.17	−10 59.2	1.892	2.802	10.0	20.2
11 7	0 56.74	−10 57.4	1.961	2.802	12.8	20.4
11 17	0 52.27	−10 34.5	2.051	2.802	15.4	20.5

442805 2013 AL_{28} 10 13.4 317°.98 7°.5/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.12	− 6 27.4	1.553	2.435	14.4	20.2
9 18	1 31.85	− 8 6.9	1.485	2.419	11.2	20.0
9 28	1 26.28	− 9 48.0	1.439	2.403	8.4	19.8
10 8	1 19.09	−11 20.3	1.418	2.387	7.5	19.7
10 18	1 11.26	−12 33.6	1.422	2.372	9.3	19.8
10 28	1 3.95	−13 19.7	1.450	2.358	12.6	19.9
11 7	0 58.20	−13 35.3	1.500	2.344	15.9	20.1
11 17	0 54.73	−13 20.7	1.568	2.330	19.0	20.3

279045 2008 VZ_{42} 10 13.4 54°.20 3°.4/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.30	+ 2 10.2	1.402	2.272	16.3	20.6
9 18	1 36.33	+ 1 27.8	1.356	2.289	12.1	20.4
9 28	1 28.90	+ 0 39.3	1.331	2.306	7.6	20.2
10 8	1 19.94	− 0 8.5	1.332	2.324	3.7	20.0
10 18	1 10.65	− 0 48.1	1.358	2.342	4.9	20.1
10 28	1 2.28	− 1 13.4	1.410	2.360	9.1	20.4
11 7	0 55.86	− 1 20.6	1.486	2.379	13.1	20.7
11 17	0 51.96	− 1 8.9	1.583	2.397	16.5	21.0

376454 2012 HE_{64} 10 13.4 83°.38 0°.7/12.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.02	+ 9 35.1	1.466	2.318	16.8	21.4
9 18	1 36.82	+ 8 50.7	1.415	2.338	12.6	21.1
9 28	1 29.19	+ 7 52.0	1.386	2.357	7.8	20.9
10 8	1 20.05	+ 6 45.0	1.381	2.377	2.7	20.7
10 18	1 10.56	+ 5 37.0	1.404	2.396	2.7	20.7
10 28	1 1.99	+ 4 36.5	1.453	2.415	7.6	21.1
11 7	0 55.33	+ 3 50.1	1.528	2.434	12.0	21.4
11 17	0 51.18	+ 3 21.6	1.625	2.452	15.6	21.7

11074 Kuniwake 10 13.4 14°.40 3°.9/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.33	+ 3 24.6	1.108	2.001	18.0	16.8
9 18	1 31.72	+ 2 20.0	1.061	2.006	13.4	16.5
9 28	1 26.32	+ 1 4.8	1.033	2.013	8.4	16.3
10 8	1 19.10	− 0 11.4	1.027	2.021	4.2	16.1
10 18	1 11.34	− 1 17.8	1.045	2.030	5.9	16.2
10 28	1 4.49	− 2 4.7	1.086	2.041	10.6	16.5
11 7	0 59.72	− 2 26.7	1.149	2.053	15.2	16.8
11 17	0 57.68	− 2 22.6	1.230	2.066	19.1	17.1

367792 2011 AB_{14} 10 13.4 231°.20 4°.1/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.19	− 4 38.4	2.752	3.608	9.7	21.4
9 18	1 30.89	− 5 44.1	2.675	3.598	7.4	21.3
9 28	1 25.21	− 6 50.7	2.625	3.588	5.2	21.1
10 8	1 18.62	− 7 53.1	2.603	3.578	4.1	21.0
10 18	1 11.70	− 8 46.5	2.611	3.567	5.2	21.1
10 28	1 5.08	− 9 26.7	2.647	3.556	7.5	21.2
11 7	0 59.37	− 9 51.0	2.709	3.545	9.8	21.4
11 17	0 55.03	− 9 58.5	2.794	3.534	12.0	21.5

17245 2000 GS_{42} 10 13.4 44°.64 1°.0/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.86	+10 53.8	1.343	2.196	18.0	17.3
9 18	1 37.84	+11 0.1	1.286	2.206	13.7	17.1
9 28	1 30.05	+10 51.8	1.248	2.217	8.8	16.8
10 8	1 20.42	+10 31.5	1.235	2.229	3.5	16.5
10 18	1 10.23	+10 4.0	1.247	2.241	2.4	16.5
10 28	1 0.94	+ 9 36.0	1.285	2.253	7.5	16.9
11 7	0 53.72	+ 9 14.3	1.347	2.266	12.2	17.2
11 17	0 49.31	+ 9 3.6	1.432	2.279	16.2	17.4

263477 2008 EH_{77} 10 13.4 142°.62 1°.3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.59	+ 6 48.7	1.649	2.499	15.3	21.4
9 18	1 37.20	+ 6 16.4	1.583	2.506	11.5	21.2
9 28	1 29.47	+ 5 33.6	1.539	2.511	7.1	21.0
10 8	1 20.19	+ 4 45.1	1.522	2.517	2.5	20.7
10 18	1 10.42	+ 3 57.0	1.531	2.522	3.1	20.7
10 28	1 1.35	+ 3 16.0	1.569	2.527	7.6	21.0
11 7	0 53.98	+ 2 47.6	1.632	2.531	11.8	21.3
11 17	0 48.99	+ 2 35.0	1.718	2.535	15.3	21.5

460241 2014 QW_{261} 10 13.4 85°.43 4°.6/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.23	− 5 20.1	2.320	3.179	11.1	21.4
9 18	1 32.54	− 6 9.4	2.260	3.184	8.4	21.3
9 28	1 26.26	− 6 57.8	2.225	3.189	5.9	21.1
10 8	1 18.99	− 7 40.0	2.218	3.194	4.6	21.0
10 18	1 11.43	− 8 11.3	2.238	3.199	5.7	21.1
10 28	1 4.34	− 8 27.9	2.286	3.203	8.1	21.3
11 7	0 58.39	− 8 28.0	2.360	3.208	10.7	21.5
11 17	0 54.08	− 8 11.4	2.457	3.213	13.0	21.6

159041 2004 TO_{96} 10 13.4 105°.28 0°.4/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.28	+10 5.0	1.792	2.633	14.6	20.7
9 18	1 35.21	+ 9 22.0	1.731	2.648	11.0	20.5
9 28	1 28.09	+ 8 26.1	1.693	2.663	6.8	20.3
10 8	1 19.67	+ 7 22.2	1.682	2.677	2.4	20.0
10 18	1 10.90	+ 6 16.3	1.698	2.691	2.3	20.1
10 28	1 2.81	+ 5 15.5	1.744	2.705	6.6	20.4
11 7	0 56.28	+ 4 25.9	1.815	2.718	10.5	20.6
11 17	0 51.88	+ 3 51.4	1.910	2.731	13.9	20.9

27002 1998 DV_{9} 10 13.4 294°.50 10°.1/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.64	− 3 17.5	1.022	1.909	19.7	20.5
9 18	1 42.11	− 5 28.8	0.918	1.857	15.7	20.1
9 28	1 34.34	− 8 4.5	0.833	1.804	11.7	19.7
10 8	1 22.59	−10 50.6	0.771	1.748	10.2	19.4
10 18	1 7.98	−13 25.7	0.731	1.691	13.7	19.3
10 28	0 52.70	−15 25.3	0.712	1.632	20.1	19.4
11 7	0 39.28	−16 33.0	0.711	1.572	26.9	19.6
11 17	0 29.77	−16 44.0	0.722	1.510	33.3	19.7

333559 2005 WB_{58} 10 13.4 266°.19 14°.2/26.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.93	+40 50.8	1.210	1.938	26.3	20.9
9 18	1 38.05	+41 31.8	1.124	1.925	23.8	20.7
9 28	1 31.16	+41 28.2	1.050	1.911	20.8	20.4
10 8	1 21.11	+40 29.1	0.991	1.897	17.6	20.2
10 18	1 9.57	+38 28.3	0.950	1.883	15.0	20.0
10 28	0 58.83	+35 30.5	0.931	1.869	14.2	19.9
11 7	0 50.95	+31 53.8	0.933	1.854	16.0	20.0
11 17	0 47.13	+28 3.4	0.958	1.840	19.4	20.1

492848 2014 QA_{337} 10 13.4 323°.84 4°.3/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.36	+19 9.8	2.118	2.912	14.3	20.5
9 18	1 36.97	+19 57.5	2.026	2.903	11.6	20.3
9 28	1 29.40	+20 31.9	1.956	2.893	8.5	20.0
10 8	1 20.24	+20 51.6	1.912	2.885	5.6	19.9
10 18	1 10.35	+20 56.6	1.895	2.876	4.3	19.8
10 28	1 0.78	+20 49.6	1.907	2.868	6.2	19.9
11 7	0 52.54	+20 35.1	1.947	2.860	9.3	20.0
11 17	0 46.37	+20 18.6	2.011	2.852	12.4	20.2

55850 1996 TV_{21} 10 13.4 240°.54 0°.7/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.48	+12 4.8	2.199	3.026	12.8	20.2
9 18	1 33.76	+11 47.9	2.112	3.019	9.8	20.0
9 28	1 27.22	+11 19.2	2.048	3.011	6.4	19.7
10 8	1 19.41	+10 41.0	2.010	3.003	2.6	19.5
10 18	1 11.09	+ 9 57.1	2.002	2.995	1.7	19.4
10 28	1 3.16	+ 9 12.4	2.022	2.987	5.5	19.7
11 7	0 56.42	+ 8 32.3	2.070	2.978	9.1	19.9
11 17	0 51.50	+ 8 1.0	2.143	2.970	12.3	20.1

27335 2000 CL_{88} 10 13.4 102°.39 1°.0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.21	+ 6 28.0	1.982	2.825	13.4	18.5
9 18	1 35.75	+ 6 7.7	1.919	2.838	10.0	18.3
9 28	1 28.38	+ 5 39.5	1.880	2.850	6.2	18.1
10 8	1 19.78	+ 5 7.1	1.867	2.862	2.2	17.9
10 18	1 10.83	+ 4 35.0	1.883	2.874	2.5	17.9
10 28	1 2.49	+ 4 8.0	1.928	2.886	6.4	18.2
11 7	0 55.58	+ 3 50.2	2.000	2.898	10.0	18.5
11 17	0 50.66	+ 3 44.1	2.096	2.909	13.1	18.7

482956 2014 KJ_{43} 10 13.5 292°.18 4°.9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.27	− 1 5.6	1.765	2.636	13.5	20.8
9 18	1 32.49	− 2 27.0	1.687	2.619	10.2	20.6
9 28	1 26.60	− 3 54.6	1.632	2.603	6.8	20.4
10 8	1 19.23	− 5 20.5	1.603	2.587	4.9	20.2
10 18	1 11.25	− 6 36.2	1.601	2.571	6.5	20.3
10 28	1 3.71	− 7 33.8	1.626	2.555	10.0	20.4
11 7	0 57.56	− 8 8.4	1.675	2.539	13.5	20.6
11 17	0 53.49	− 8 18.4	1.745	2.523	16.7	20.8

352186 2007 RN_{204} 10 13.5 348°.60 1°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.70	+15 17.2	1.356	2.210	17.8	20.2
9 18	1 31.15	+14 51.2	1.282	2.202	13.9	19.9
9 28	1 26.02	+14 2.8	1.228	2.194	9.2	19.7
10 8	1 19.07	+12 55.5	1.196	2.188	4.2	19.4
10 18	1 11.40	+11 35.7	1.190	2.183	2.5	19.2
10 28	1 4.34	+10 13.3	1.208	2.180	7.3	19.5
11 7	0 59.06	+ 8 58.9	1.251	2.177	12.3	19.8
11 17	0 56.36	+ 8 0.5	1.314	2.175	16.5	20.1

73411 2002 LW_{26} 10 13.5 64°.70 1°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 35.34	+ 6 41.0	2.136	2.986	12.3	19.1
9 18	1 31.24	+ 5 43.3	2.076	2.999	9.1	18.9
9 28	1 25.51	+ 4 36.9	2.039	3.012	5.6	18.7
10 8	1 18.75	+ 3 26.8	2.030	3.025	2.1	18.5
10 18	1 11.71	+ 2 18.9	2.050	3.039	2.9	18.6
10 28	1 5.18	+ 1 19.1	2.099	3.052	6.4	18.8
11 7	0 59.86	+ 0 32.0	2.174	3.065	9.6	19.1
11 17	0 56.24	+ 0 0.5	2.273	3.078	12.5	19.3

482396 2012 BD_{13} 10 13.5 219°.85 0°.7/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.40	+13 2.5	2.632	3.451	11.2	22.1
9 18	1 31.92	+12 30.0	2.541	3.443	8.6	21.9
9 28	1 25.93	+11 46.1	2.474	3.435	5.5	21.7
10 8	1 18.93	+10 53.3	2.435	3.427	2.3	21.5
10 18	1 11.54	+ 9 55.2	2.425	3.419	1.5	21.4
10 28	1 4.47	+ 8 56.7	2.446	3.410	4.8	21.6
11 7	0 58.38	+ 8 2.5	2.495	3.400	7.9	21.8
11 17	0 53.77	+ 7 16.8	2.570	3.391	10.7	22.0

331485 1998 VM_{43} 10 13.5 334°.57 1°.4/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.30	+ 7 15.3	1.302	2.173	17.3	20.9
9 18	1 34.68	+ 6 46.1	1.231	2.164	13.1	20.6
9 28	1 28.27	+ 6 3.2	1.181	2.157	8.2	20.3
10 8	1 19.89	+ 5 11.9	1.154	2.150	2.9	20.0
10 18	1 10.73	+ 4 19.7	1.151	2.143	3.4	20.0
10 28	1 2.23	+ 3 35.3	1.174	2.137	8.8	20.3
11 7	0 55.66	+ 3 6.0	1.220	2.132	13.8	20.6
11 17	0 51.85	+ 2 55.9	1.286	2.128	18.0	20.8

196898 2003 TF_{10} 10 13.5 319°.36 11°.4/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.42	+41 5.0	2.159	2.819	17.7	19.6
9 18	1 36.19	+42 20.5	2.060	2.802	16.2	19.5
9 28	1 29.30	+43 12.0	1.976	2.784	14.5	19.3
10 8	1 20.33	+43 33.7	1.912	2.768	12.9	19.2
10 18	1 10.28	+43 22.2	1.869	2.751	11.7	19.1
10 28	1 0.49	+42 37.8	1.849	2.735	11.4	19.0
11 7	0 52.28	+41 26.0	1.852	2.719	12.2	19.0
11 17	0 46.65	+39 55.6	1.877	2.704	13.8	19.1

325869 2010 TQ_{149} 10 13.5 256°.19 7°.1/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.93	−14 42.6	2.395	3.245	11.1	20.2
9 18	1 33.86	−15 39.4	2.333	3.238	9.1	20.1
9 28	1 27.14	−16 29.4	2.294	3.230	7.6	20.0
10 8	1 19.36	−17 6.3	2.282	3.222	7.2	20.0
10 18	1 11.21	−17 25.4	2.297	3.214	8.2	20.0
10 28	1 3.52	−17 23.6	2.339	3.206	10.1	20.1
11 7	0 56.99	−17 0.4	2.404	3.198	12.3	20.3
11 17	0 52.15	−16 17.4	2.489	3.190	14.2	20.4

23622 1996 RW_{29} 10 13.5 270°.25 2°.4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 29.45	− 2 59.0	4.283	5.135	6.6	18.6
9 18	1 26.18	− 3 42.0	4.210	5.132	4.9	18.5
9 28	1 22.10	− 4 25.5	4.164	5.130	3.3	18.4
10 8	1 17.51	− 5 7.0	4.147	5.127	2.4	18.3
10 18	1 12.75	− 5 43.8	4.160	5.125	3.1	18.4
10 28	1 8.18	− 6 13.5	4.202	5.122	4.6	18.5
11 7	1 4.13	− 6 34.5	4.273	5.120	6.3	18.6
11 17	1 0.91	− 6 45.8	4.368	5.117	7.8	18.7

150009 2005 UY_{216} 10 13.5 47°.32 1°.4/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.05	+ 6 20.7	2.070	2.919	12.7	21.0
9 18	1 32.67	+ 5 42.0	1.997	2.920	9.5	20.8
9 28	1 26.51	+ 4 54.7	1.948	2.921	5.8	20.5
10 8	1 19.15	+ 4 3.1	1.926	2.922	2.2	20.3
10 18	1 11.39	+ 3 12.4	1.933	2.923	2.8	20.4
10 28	1 4.11	+ 2 28.1	1.968	2.923	6.5	20.6
11 7	0 58.07	+ 1 54.9	2.029	2.924	10.0	20.8
11 17	0 53.85	+ 1 35.7	2.114	2.925	13.1	21.0

32955 1996 HC_{2} 10 13.5 70°.45 4°.3/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.18	+ 1 39.2	1.227	2.100	18.1	18.4
9 18	1 39.31	+ 0 35.2	1.195	2.129	13.3	18.2
9 28	1 30.74	− 0 34.4	1.183	2.157	8.4	18.0
10 8	1 20.61	− 1 40.5	1.195	2.186	4.5	17.9
10 18	1 10.31	− 2 34.1	1.233	2.214	5.9	18.0
10 28	1 1.26	− 3 8.0	1.296	2.242	10.2	18.4
11 7	0 54.49	− 3 19.2	1.382	2.270	14.3	18.7
11 17	0 50.54	− 3 8.1	1.489	2.297	17.7	19.0

469748 2005 PO_{5} 10 13.5 9°.86 0°.4/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.26	+ 9 14.2	0.955	1.846	20.4	19.7
9 18	1 32.15	+ 8 58.2	0.906	1.849	15.5	19.5
9 28	1 26.85	+ 8 24.1	0.874	1.853	9.7	19.2
10 8	1 19.39	+ 7 37.6	0.863	1.859	3.4	18.9
10 18	1 11.22	+ 6 47.5	0.873	1.867	3.1	18.9
10 28	1 4.05	+ 6 4.1	0.906	1.877	9.2	19.3
11 7	0 59.24	+ 5 36.1	0.960	1.889	14.7	19.6
11 17	0 57.54	+ 5 28.0	1.032	1.903	19.3	19.9

435206 2007 RV_{203} 10 13.5 15°.56 2°.8/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 31.78	+ 7 54.5	1.243	2.125	17.2	19.8
9 18	1 29.59	+ 6 13.3	1.190	2.130	12.8	19.6
9 28	1 24.92	+ 4 14.5	1.158	2.137	7.8	19.3
10 8	1 18.63	+ 2 8.8	1.150	2.145	3.3	19.1
10 18	1 11.86	+ 0 9.0	1.168	2.155	4.9	19.2
10 28	1 5.86	− 1 32.3	1.210	2.165	9.7	19.5
11 7	1 1.68	− 2 46.6	1.276	2.177	14.2	19.8
11 17	0 59.94	− 3 30.7	1.361	2.189	18.0	20.1

443178 2014 DG_{21} 10 13.5 193°.78 0°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.09	+ 8 48.5	1.966	2.805	13.7	21.6
9 18	1 35.85	+ 8 29.8	1.889	2.804	10.3	21.4
9 28	1 28.58	+ 8 0.9	1.834	2.802	6.5	21.1
10 8	1 19.92	+ 7 24.9	1.806	2.801	2.3	20.9
10 18	1 10.75	+ 6 46.2	1.806	2.799	2.1	20.9
10 28	1 2.08	+ 6 10.2	1.835	2.796	6.3	21.1
11 7	0 54.81	+ 5 42.0	1.891	2.794	10.2	21.4
11 17	0 49.58	+ 5 25.1	1.971	2.791	13.5	21.6

95367 2002 CS_{157} 10 13.5 119°.28 2°.8/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.83	+17 20.5	2.192	2.997	13.6	19.8
9 18	1 34.80	+17 30.3	2.112	3.000	10.7	19.6
9 28	1 27.87	+17 26.0	2.054	3.002	7.5	19.4
10 8	1 19.66	+17 8.4	2.022	3.004	4.2	19.2
10 18	1 10.96	+16 39.6	2.018	3.007	2.9	19.1
10 28	1 2.71	+16 4.1	2.043	3.009	5.4	19.3
11 7	0 55.74	+15 27.0	2.096	3.011	8.7	19.5
11 17	0 50.66	+14 53.5	2.174	3.013	11.7	19.7

458113 2010 CP_{124} 10 13.5 359°.95 4°.6/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.18	− 3 26.7	2.284	3.151	11.0	20.4
9 18	1 29.61	− 4 48.3	2.221	3.150	8.3	20.2
9 28	1 24.51	− 6 11.6	2.183	3.150	5.8	20.0
10 8	1 18.42	− 7 30.3	2.173	3.150	4.6	20.0
10 18	1 12.01	− 8 38.0	2.191	3.150	5.9	20.1
10 28	1 6.00	− 9 29.7	2.236	3.150	8.4	20.2
11 7	1 1.05	−10 2.0	2.306	3.151	11.0	20.4
11 17	0 57.66	−10 14.4	2.399	3.152	13.4	20.6

126291 2002 AY_{106} 10 13.5 112°.33 3°.1/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.57	+ 1 45.1	1.935	2.788	13.3	19.7
9 18	1 35.97	+ 0 52.6	1.882	2.806	9.8	19.6
9 28	1 28.47	− 0 4.6	1.853	2.824	6.2	19.4
10 8	1 19.82	− 1 0.8	1.851	2.842	3.3	19.2
10 18	1 10.89	− 1 50.1	1.878	2.859	4.3	19.3
10 28	1 2.65	− 2 27.0	1.933	2.875	7.7	19.6
11 7	0 55.89	− 2 48.2	2.015	2.891	11.0	19.8
11 17	0 51.13	− 2 52.5	2.119	2.906	13.8	20.0

297084 2010 KL_{36} 10 13.5 220°.04 0°.9/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.19	+14 45.3	2.282	3.099	12.8	21.2
9 18	1 33.51	+13 58.5	2.189	3.089	9.8	21.0
9 28	1 27.05	+12 56.3	2.120	3.080	6.4	20.8
10 8	1 19.37	+11 41.6	2.077	3.069	2.7	20.5
10 18	1 11.21	+10 19.3	2.065	3.058	1.7	20.4
10 28	1 3.43	+ 8 55.9	2.082	3.047	5.4	20.7
11 7	0 56.81	+ 7 38.2	2.128	3.035	9.0	20.9
11 17	0 51.95	+ 6 31.8	2.200	3.022	12.2	21.0

259964 2004 FG_{14} 10 13.5 212°.46 3°.5/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.03	+20 33.1	2.207	2.999	13.9	20.9
9 18	1 34.27	+20 30.9	2.118	2.995	11.2	20.7
9 28	1 27.59	+20 11.7	2.052	2.991	8.1	20.5
10 8	1 19.59	+19 36.0	2.011	2.987	5.0	20.3
10 18	1 11.06	+18 46.4	1.997	2.983	3.5	20.2
10 28	1 2.94	+17 47.6	2.013	2.978	5.5	20.3
11 7	0 56.09	+16 46.3	2.057	2.973	8.7	20.5
11 17	0 51.13	+15 48.6	2.125	2.968	11.8	20.7

88556 2001 QG_{214} 10 13.5 49°.70 0°.6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.79	+11 40.5	1.288	2.145	18.3	20.5
9 18	1 36.26	+11 18.2	1.239	2.162	13.9	20.2
9 28	1 29.04	+10 38.6	1.209	2.179	8.8	20.0
10 8	1 20.10	+ 9 46.4	1.202	2.197	3.3	19.7
10 18	1 10.72	+ 8 48.6	1.221	2.215	2.4	19.7
10 28	1 2.32	+ 7 54.1	1.266	2.234	7.6	20.1
11 7	0 56.00	+ 7 10.5	1.334	2.252	12.4	20.4
11 17	0 52.42	+ 6 43.0	1.425	2.272	16.3	20.7

381818 2009 VV_{55} 10 13.5 238°.67 0°.2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.73	+10 56.1	1.761	2.600	15.0	22.3
9 18	1 35.93	+10 27.7	1.676	2.591	11.5	22.1
9 28	1 28.82	+ 9 44.9	1.613	2.581	7.3	21.8
10 8	1 20.07	+ 8 51.2	1.576	2.571	2.7	21.5
10 18	1 10.65	+ 7 51.8	1.566	2.560	2.1	21.5
10 28	1 1.70	+ 6 53.8	1.585	2.549	6.9	21.7
11 7	0 54.28	+ 6 4.5	1.630	2.538	11.2	22.0
11 17	0 49.13	+ 5 28.8	1.698	2.526	15.0	22.2

224761 2006 EN_1 10 13.5 243°.24 0°.9/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 36.83	+ 6 58.3	2.368	3.210	11.5	20.5
9 18	1 32.34	+ 6 30.8	2.289	3.207	8.6	20.3
9 28	1 26.24	+ 5 55.6	2.234	3.205	5.3	20.1
10 8	1 19.08	+ 5 16.1	2.207	3.202	1.9	19.9
10 18	1 11.52	+ 4 36.2	2.208	3.199	2.2	19.9
10 28	1 4.35	+ 4 0.4	2.239	3.197	5.7	20.1
11 7	0 58.27	+ 3 32.9	2.297	3.194	8.9	20.3
11 17	0 53.80	+ 3 16.4	2.380	3.191	11.8	20.5

436206 2009 WD_{248} 10 13.5 320°.16 3°.2/11.1 18

9 8	1 39.83	+ 2 57.8	1.432	2.302	16.1	20.9
9 18	1 35.57	+ 2 15.6	1.363	2.296	12.1	20.6
9 28	1 28.71	+ 1 24.8	1.315	2.290	7.6	20.3
10 8	1 20.05	+ 0 32.1	1.291	2.285	3.6	20.1
10 18	1 10.72	− 0 15.0	1.294	2.279	4.9	20.2
10 28	1 2.04	− 0 48.8	1.322	2.274	9.3	20.4
11 7	0 55.17	− 1 4.0	1.373	2.269	13.8	20.7
11 17	0 50.87	− 0 58.7	1.446	2.265	17.6	20.9

407032 2009 ST_{54} 10 13.5 33°.62 1°.4/14.7 18

9 8	1 37.87	+13 17.4	1.764	2.601	15.0	21.0
9 18	1 33.55	+13 10.5	1.702	2.613	11.5	20.8
9 28	1 27.15	+12 49.5	1.663	2.626	7.5	20.6
10 8	1 19.42	+12 16.8	1.648	2.640	3.3	20.4
10 18	1 11.28	+11 36.8	1.661	2.654	2.0	20.4
10 28	1 3.78	+10 55.3	1.701	2.669	6.0	20.7
11 7	0 57.81	+10 18.3	1.767	2.684	9.9	20.9
11 17	0 53.94	+ 9 50.6	1.857	2.700	13.2	21.2

30329 2000 JR_{23} 10 13.5 212°.91 3°.3/16.2 18 R

9 8	1 41.76	+18 4.5	1.707	2.521	16.4	18.4
9 18	1 36.82	+18 8.3	1.626	2.519	13.1	18.1
9 28	1 29.43	+17 53.3	1.566	2.516	9.2	17.9
10 8	1 20.32	+17 20.0	1.530	2.514	5.2	17.7
10 18	1 10.50	+16 31.7	1.521	2.511	3.4	17.5
10 28	1 1.24	+15 34.6	1.540	2.507	6.6	17.7
11 7	0 53.65	+14 36.8	1.585	2.504	10.7	18.0
11 17	0 48.49	+13 45.6	1.653	2.500	14.4	18.2

383845 2008 JE_{22} 10 13.5 63°.06 0°.7/13.0 17

9 8	1 42.97	+ 8 16.9	1.378	2.235	17.3	20.5
9 18	1 37.72	+ 7 56.0	1.328	2.253	13.0	20.2
9 28	1 29.88	+ 7 22.6	1.299	2.271	8.1	20.0
10 8	1 20.41	+ 6 41.6	1.294	2.290	2.8	19.8
10 18	1 10.54	+ 5 59.3	1.315	2.308	2.8	19.8
10 28	1 1.62	+ 5 23.0	1.363	2.327	7.8	20.2
11 7	0 54.74	+ 4 58.6	1.436	2.346	12.3	20.5
11 17	0 50.52	+ 4 49.4	1.530	2.364	16.0	20.8

473107 2015 HT_{172} 10 13.5 138°.77 0°.8/14.1 16

9 8	1 41.66	+12 36.0	1.828	2.658	14.9	22.2
9 18	1 36.36	+12 10.3	1.758	2.667	11.4	22.0
9 28	1 28.92	+11 30.2	1.711	2.675	7.3	21.7
10 8	1 20.07	+10 38.8	1.690	2.683	2.9	21.5
10 18	1 10.77	+ 9 41.3	1.697	2.691	1.9	21.4
10 28	1 2.09	+ 8 44.4	1.733	2.698	6.2	21.7
11 7	0 54.98	+ 7 54.4	1.795	2.704	10.3	22.0
11 17	0 50.05	+ 7 16.5	1.882	2.711	13.7	22.2

257007 2008 ED_{158} 10 13.5 72°.33 0°.3/13.9 18

9 8	1 35.18	+14 31.6	2.051	2.880	13.5	19.8
9 18	1 31.26	+13 16.2	1.982	2.891	10.3	19.6
9 28	1 25.60	+11 44.2	1.937	2.901	6.5	19.4
10 8	1 18.85	+10 0.6	1.918	2.912	2.5	19.2
10 18	1 11.79	+ 8 12.4	1.929	2.923	1.8	19.2
10 28	1 5.26	+ 6 27.8	1.970	2.934	5.8	19.5
11 7	1 0.01	+ 4 54.5	2.039	2.945	9.4	19.7
11 17	0 56.54	+ 3 37.7	2.132	2.955	12.5	19.9

427788 2005 EU_{166} 10 13.5 119°.84 2°.8/15.5 17

9 8	1 44.96	+15 39.6	1.523	2.349	17.5	21.4
9 18	1 39.36	+15 52.4	1.455	2.357	13.7	21.2
9 28	1 31.05	+15 47.4	1.407	2.364	9.4	20.9
10 8	1 20.89	+15 25.5	1.383	2.371	4.8	20.7
10 18	1 10.09	+14 50.3	1.386	2.377	3.1	20.6
10 28	1 0.03	+14 8.1	1.416	2.383	7.0	20.9
11 7	0 51.92	+13 26.7	1.471	2.390	11.4	21.1
11 17	0 46.52	+12 53.0	1.549	2.395	15.3	21.4

332714 2009 SS_{100} 10 13.5 44°.38 2°.5/11.4 16

9 8	1 37.29	+ 7 14.4	1.284	2.157	17.4	20.8
9 18	1 33.66	+ 5 56.9	1.232	2.167	12.9	20.6
9 28	1 27.44	+ 4 24.5	1.201	2.178	7.9	20.3
10 8	1 19.57	+ 2 46.0	1.194	2.189	3.1	20.1
10 18	1 11.23	+ 1 12.4	1.213	2.201	4.4	20.2
10 28	1 3.76	− 0 5.8	1.257	2.213	9.3	20.5
11 7	0 58.24	− 1 1.3	1.325	2.226	13.8	20.8
11 17	0 55.30	− 1 31.1	1.413	2.239	17.6	21.1

271173 2003 SM_{265} 10 13.5 301°.12 1°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 36.04	+13 54.8	2.185	3.011	12.9	21.4
9 18	1 32.02	+13 36.6	2.094	2.999	10.0	21.2
9 28	1 26.20	+13 5.1	2.026	2.987	6.6	21.0
10 8	1 19.12	+12 22.4	1.985	2.976	3.0	20.8
10 18	1 11.52	+11 32.1	1.971	2.964	1.8	20.7
10 28	1 4.28	+10 39.6	1.986	2.953	5.4	20.9
11 7	0 58.19	+ 9 50.4	2.029	2.942	9.0	21.1
11 17	0 53.86	+ 9 9.7	2.096	2.931	12.2	21.3

115176 2003 SN_{87} 10 13.5 310°.56 4°.6/ 8.6 18

9 8	1 35.26	− 2 54.5	2.064	2.931	12.0	19.1
9 18	1 31.44	− 3 58.5	1.987	2.917	9.1	18.9
9 28	1 25.82	− 5 5.3	1.935	2.904	6.2	18.7
10 8	1 18.98	− 6 8.5	1.909	2.890	4.6	18.6
10 18	1 11.66	− 7 1.6	1.911	2.877	5.9	18.7
10 28	1 4.73	− 7 38.9	1.940	2.865	8.8	18.8
11 7	0 58.99	− 7 57.2	1.994	2.852	11.9	19.0
11 17	0 55.03	− 7 55.2	2.069	2.840	14.7	19.2

59910 1999 RA_{156} 10 13.5 74°.15 2°.0/15.0 18

9 8	1 42.38	+15 37.7	1.350	2.190	18.7	18.7
9 18	1 37.41	+15 13.2	1.298	2.209	14.4	18.5
9 28	1 29.75	+14 27.5	1.266	2.228	9.5	18.3
10 8	1 20.38	+13 24.4	1.257	2.248	4.4	18.0
10 18	1 10.60	+12 10.8	1.274	2.267	2.6	18.0
10 28	1 1.79	+10 56.2	1.317	2.286	7.2	18.3
11 7	0 55.09	+ 9 50.2	1.385	2.305	11.8	18.6
11 17	0 51.12	+ 8 59.4	1.476	2.324	15.8	18.9

400493 2008 JJ_5 10 13.5 79°.46 0°.6/14.3 15

9 8	1 37.40	+14 22.6	2.222	3.043	12.9	21.9
9 18	1 32.67	+13 25.5	2.167	3.070	9.8	21.8
9 28	1 26.35	+12 14.7	2.135	3.097	6.3	21.6
10 8	1 19.10	+10 54.5	2.131	3.124	2.5	21.4
10 18	1 11.64	+ 9 30.4	2.156	3.150	1.6	21.4
10 28	1 4.79	+ 8 8.9	2.212	3.176	5.2	21.7
11 7	0 59.19	+ 6 56.1	2.296	3.202	8.5	21.9
11 17	0 55.30	+ 5 56.2	2.405	3.228	11.3	22.1

25584 Zhangnelson 10 13.5 283°.92 1°.7/14.9 18

9 8	1 39.64	+14 2.1	1.798	2.628	15.1	19.1
9 18	1 35.08	+13 55.6	1.716	2.622	11.7	18.9
9 28	1 28.28	+13 33.9	1.655	2.616	7.8	18.6
10 8	1 19.92	+12 59.1	1.619	2.610	3.6	18.4
10 18	1 10.92	+12 14.8	1.611	2.604	2.2	18.3
10 28	1 2.39	+11 27.1	1.630	2.598	6.3	18.5
11 7	0 55.37	+10 42.7	1.676	2.592	10.4	18.8
11 17	0 50.55	+10 7.4	1.746	2.587	14.1	19.0

39352 2002 AX_{123} 10 13.5 134°.95 1°.0/12.4 18

9 8	1 37.83	+ 6 53.8	2.419	3.258	11.4	19.8
9 18	1 32.99	+ 6 20.0	2.349	3.266	8.5	19.6
9 28	1 26.60	+ 5 38.8	2.304	3.274	5.2	19.4
10 8	1 19.23	+ 4 53.7	2.287	3.282	1.9	19.2
10 18	1 11.54	+ 4 8.8	2.299	3.289	2.2	19.2
10 28	1 4.29	+ 3 28.8	2.340	3.296	5.6	19.5
11 7	0 58.15	+ 2 57.5	2.410	3.303	8.7	19.7
11 17	0 53.60	+ 2 37.6	2.504	3.309	11.4	19.9

365962 2012 BB_{26} 10 13.5 10°.59 3°.8/16.9 18

9 8	1 40.32	+19 15.6	1.999	2.801	14.8	20.6
9 18	1 35.43	+19 39.3	1.919	2.801	11.9	20.4
9 28	1 28.43	+19 46.9	1.860	2.802	8.6	20.2
10 8	1 19.96	+19 38.5	1.826	2.803	5.3	20.0
10 18	1 10.91	+19 15.6	1.820	2.804	3.9	19.9
10 28	1 2.33	+18 42.5	1.841	2.806	6.0	20.0
11 7	0 55.15	+18 5.1	1.889	2.807	9.3	20.2
11 17	0 50.07	+17 29.5	1.962	2.809	12.5	20.4

316158 2009 UW_{26} 10 13.5 344°.31 3°.2/19.9 18

9 8	1 30.43	+27 25.0	4.067	4.801	9.0	19.5
9 18	1 27.07	+27 1.6	3.969	4.798	7.5	19.3
9 28	1 22.75	+26 25.4	3.894	4.796	5.8	19.2
10 8	1 17.83	+25 37.3	3.845	4.794	4.2	19.1
10 18	1 12.69	+24 38.8	3.825	4.792	3.2	19.0
10 28	1 7.78	+23 32.7	3.835	4.790	3.7	19.1
11 7	1 3.51	+22 22.6	3.875	4.788	5.1	19.2
11 17	1 0.22	+21 12.2	3.944	4.786	6.8	19.3

321037 2008 QK_3 10 13.5 132°.47 1°.1/12.2 18

9 8	1 35.22	+ 7 38.1	2.447	3.289	11.2	21.2
9 18	1 31.06	+ 6 47.3	2.374	3.293	8.4	21.0
9 28	1 25.41	+ 5 47.9	2.326	3.297	5.1	20.9
10 8	1 18.81	+ 4 43.8	2.305	3.301	1.8	20.6
10 18	1 11.89	+ 3 40.1	2.314	3.304	2.3	20.7
10 28	1 5.37	+ 2 41.8	2.353	3.308	5.6	20.9
11 7	0 59.90	+ 1 53.5	2.419	3.312	8.7	21.1
11 17	0 55.94	+ 1 18.2	2.510	3.315	11.4	21.3

304321 2006 SS_{174} 10 13.5 48°.63 2°.4/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 36.30	+ 5 30.4	1.741	2.603	14.1	20.8
9 18	1 32.37	+ 4 21.0	1.679	2.609	10.5	20.6
9 28	1 26.44	+ 3 1.3	1.641	2.615	6.4	20.4
10 8	1 19.21	+ 1 38.2	1.628	2.622	2.8	20.1
10 18	1 11.58	+ 0 19.4	1.643	2.629	4.0	20.2
10 28	1 4.55	− 0 47.5	1.685	2.636	7.9	20.5
11 7	0 58.97	− 1 36.8	1.753	2.643	11.6	20.7
11 17	0 55.44	− 2 5.8	1.843	2.650	14.8	21.0

111201 2001 WT_{24} 10 13.5 275°.12 0°.4/13.8 18

9 8	1 37.75	+11 19.3	2.030	2.865	13.4	20.3
9 18	1 33.34	+10 54.8	1.951	2.863	10.2	20.1
9 28	1 27.03	+10 18.0	1.895	2.861	6.5	19.9
10 8	1 19.44	+ 9 32.0	1.865	2.859	2.5	19.6
10 18	1 11.37	+ 8 41.2	1.864	2.857	1.8	19.6
10 28	1 3.75	+ 7 51.3	1.891	2.855	5.9	19.8
11 7	0 57.43	+ 7 8.0	1.945	2.853	9.6	20.1
11 17	0 53.01	+ 6 35.8	2.023	2.851	12.9	20.3

284246 2006 ES_{38} 10 13.5 200°.26 2°.7/10.7 18

9 8	1 39.19	+ 3 16.3	2.109	2.960	12.4	22.0
9 18	1 34.30	+ 2 16.3	2.033	2.956	9.3	21.8
9 28	1 27.57	+ 1 9.1	1.981	2.953	5.8	21.6
10 8	1 19.62	+ 0 0.1	1.957	2.948	2.9	21.4
10 18	1 11.23	− 1 4.7	1.961	2.944	4.0	21.5
10 28	1 3.28	− 1 58.9	1.995	2.938	7.4	21.7
11 7	0 56.59	− 2 38.1	2.055	2.932	10.8	21.9
11 17	0 51.74	− 2 59.8	2.139	2.926	13.7	22.1

290406 2005 TV_{39} 10 13.5 290°.98 1°.7/11.8 18

9 8	1 37.26	+ 5 14.4	2.057	2.909	12.6	20.9
9 18	1 32.93	+ 4 37.1	1.980	2.904	9.4	20.7
9 28	1 26.75	+ 3 52.0	1.926	2.899	5.8	20.5
10 8	1 19.34	+ 3 3.2	1.899	2.893	2.3	20.3
10 18	1 11.46	+ 2 16.0	1.900	2.888	3.1	20.3
10 28	1 4.02	+ 1 36.0	1.929	2.883	6.8	20.5
11 7	0 57.82	+ 1 7.6	1.985	2.878	10.3	20.7
11 17	0 53.45	+ 0 53.6	2.064	2.873	13.4	20.9

477763 2010 YJ_2 10 13.5 227°.62 9°.8/29.6 18

9 8	1 40.94	−29 10.4	2.757	3.558	11.2	21.3
9 18	1 35.29	−30 20.1	2.712	3.550	10.3	21.2
9 28	1 28.03	−31 15.0	2.691	3.541	9.8	21.1
10 8	1 19.75	−31 49.3	2.693	3.533	10.1	21.1
10 18	1 11.17	−31 59.0	2.718	3.523	10.9	21.2
10 28	1 3.08	−31 42.4	2.766	3.514	12.0	21.3
11 7	0 56.18	−31 0.8	2.835	3.504	13.3	21.4
11 17	0 50.97	−29 56.9	2.920	3.494	14.5	21.5

103549 2000 BJ_{24} 10 13.5 356°.56 5°.3/17.3 18

9 8	1 44.53	+20 35.7	1.759	2.557	16.7	19.0
9 18	1 39.00	+21 28.6	1.679	2.556	13.6	18.7
9 28	1 30.89	+22 4.4	1.620	2.555	10.1	18.5
10 8	1 20.92	+22 21.2	1.585	2.555	6.8	18.3
10 18	1 10.14	+22 18.7	1.576	2.554	5.3	18.3
10 28	0 59.86	+22 0.6	1.594	2.554	7.2	18.4
11 7	0 51.28	+21 33.1	1.639	2.555	10.6	18.6
11 17	0 45.23	+21 3.5	1.707	2.555	14.0	18.8

331233 2011 BM_{85} 10 13.5 240°.59 3°.7/ 8.5 17

9 8	1 35.00	− 2 19.1	2.692	3.548	9.9	21.1
9 18	1 30.84	− 3 27.5	2.612	3.537	7.4	21.0
9 28	1 25.28	− 4 38.6	2.558	3.525	5.0	20.8
10 8	1 18.79	− 5 47.3	2.533	3.513	3.7	20.7
10 18	1 11.93	− 6 48.5	2.537	3.501	4.8	20.8
10 28	1 5.38	− 7 37.5	2.569	3.489	7.2	20.9
11 7	0 59.73	− 8 11.1	2.629	3.476	9.8	21.0
11 17	0 55.47	− 8 27.9	2.711	3.463	12.0	21.2

54898 2001 OP_{72} 10 13.5 17°.64 5°.9/17.2 18

9 8	1 44.36	+20 1.1	1.370	2.189	19.5	18.0
9 18	1 39.40	+21 0.1	1.301	2.191	15.9	17.7
9 28	1 31.38	+21 38.6	1.252	2.195	11.7	17.5
10 8	1 21.13	+21 54.0	1.224	2.198	7.7	17.3
10 18	1 9.99	+21 46.4	1.221	2.203	6.0	17.2
10 28	0 59.57	+21 20.7	1.243	2.208	8.3	17.4
11 7	0 51.30	+20 45.5	1.290	2.213	12.2	17.6
11 17	0 46.10	+20 9.7	1.358	2.219	16.1	17.9

245808 2006 HY_{111} 10 13.5 69°.71 4°.8/18.4 18

9 8	1 39.60	+24 22.5	1.726	2.516	17.3	20.2
9 18	1 34.99	+24 9.6	1.664	2.535	14.0	20.0
9 28	1 28.12	+23 32.2	1.622	2.554	10.4	19.8
10 8	1 19.82	+22 31.5	1.604	2.573	6.8	19.7
10 18	1 11.14	+21 11.7	1.611	2.593	4.8	19.6
10 28	1 3.21	+19 40.8	1.647	2.612	6.5	19.8
11 7	0 57.00	+18 8.5	1.709	2.631	9.8	20.0
11 17	0 53.09	+16 43.3	1.795	2.650	13.1	20.3

81564 2000 HT_{31} 10 13.5 232°.22 6°.8/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.56	−10 2.5	2.191	3.052	11.6	19.9
9 18	1 33.06	−11 36.7	2.125	3.043	9.2	19.8
9 28	1 26.80	−13 8.5	2.084	3.033	7.3	19.6
10 8	1 19.36	−14 30.3	2.070	3.023	6.9	19.6
10 18	1 11.48	−15 34.9	2.083	3.012	8.2	19.7
10 28	1 4.01	−16 17.1	2.123	3.002	10.6	19.8
11 7	0 57.74	−16 34.8	2.187	2.990	13.0	19.9
11 17	0 53.23	−16 28.5	2.270	2.979	15.2	20.1

64320 2001 UK_{39} 10 13.5 222°.01 0°.2/13.3 18

9 8	1 39.07	+11 35.4	1.947	2.781	13.9	20.3
9 18	1 34.46	+10 41.6	1.861	2.774	10.6	20.0
9 28	1 27.82	+ 9 32.5	1.798	2.765	6.7	19.8
10 8	1 19.76	+ 8 12.2	1.761	2.756	2.4	19.5
10 18	1 11.14	+ 6 47.0	1.753	2.746	2.1	19.5
10 28	1 2.98	+ 5 24.7	1.775	2.736	6.5	19.7
11 7	0 56.17	+ 4 12.6	1.823	2.726	10.5	20.0
11 17	0 51.38	+ 3 16.1	1.896	2.715	14.0	20.2

320079 2007 ER_{63} 10 13.5 80°.93 0°.3/13.1 18

9 8	1 38.02	+ 8 58.3	2.218	3.055	12.4	21.2
9 18	1 33.23	+ 8 31.4	2.155	3.070	9.3	21.0
9 28	1 26.79	+ 7 55.3	2.117	3.085	5.8	20.8
10 8	1 19.32	+ 7 13.5	2.105	3.100	2.0	20.6
10 18	1 11.55	+ 6 30.2	2.122	3.115	1.9	20.6
10 28	1 4.30	+ 5 50.3	2.169	3.130	5.5	20.9
11 7	0 58.28	+ 5 18.1	2.243	3.145	8.9	21.1
11 17	0 53.98	+ 4 56.6	2.342	3.160	11.7	21.4

260235 Attwood 10 13.5 23°.76 0°.3/13.3 18

9 8	1 37.37	+ 8 58.7	1.741	2.592	14.6	20.3
9 18	1 33.23	+ 8 39.4	1.677	2.599	11.0	20.1
9 28	1 27.02	+ 8 8.9	1.636	2.607	6.9	19.9
10 8	1 19.45	+ 7 31.1	1.620	2.615	2.4	19.6
10 18	1 11.45	+ 6 50.9	1.631	2.624	2.2	19.6
10 28	1 4.06	+ 6 14.3	1.669	2.633	6.6	19.9
11 7	0 58.15	+ 5 46.5	1.733	2.643	10.5	20.2
11 17	0 54.35	+ 5 31.2	1.820	2.653	13.9	20.4

242323 2003 YE_{12} 10 13.5 344°.17 8°.0/ 9.1 18

9 8	1 43.79	−10 3.4	1.348	2.222	16.6	19.5
9 18	1 38.72	−10 26.6	1.284	2.212	13.2	19.2
9 28	1 30.79	−10 41.9	1.241	2.202	9.8	19.0
10 8	1 20.88	−10 41.1	1.221	2.194	8.0	18.9
10 18	1 10.27	−10 18.0	1.226	2.187	9.2	19.0
10 28	1 0.45	− 9 29.1	1.255	2.180	12.5	19.1
11 7	0 52.69	− 8 15.5	1.306	2.175	16.2	19.3
11 17	0 47.79	− 6 41.2	1.377	2.171	19.6	19.6

81609 2000 HS_{65} 10 13.5 327°.68 3°.4/10.6 18

9 8	1 38.76	+ 0 49.7	1.753	2.618	13.9	18.7
9 18	1 34.33	+ 0 9.8	1.682	2.612	10.4	18.5
9 28	1 27.77	− 0 35.2	1.634	2.607	6.6	18.2
10 8	1 19.75	− 1 19.3	1.612	2.603	3.6	18.1
10 18	1 11.21	− 1 56.5	1.617	2.598	4.8	18.1
10 28	1 3.20	− 2 20.9	1.649	2.594	8.5	18.3
11 7	0 56.67	− 2 28.9	1.705	2.590	12.2	18.6
11 17	0 52.28	− 2 18.9	1.784	2.586	15.4	18.8

221719 2007 EB_{34} 10 13.5 66°.41 2°.7/10.4 18

9 8	1 35.34	+ 3 56.4	2.068	2.925	12.3	19.9
9 18	1 31.32	+ 2 40.3	2.011	2.939	9.1	19.8
9 28	1 25.63	+ 1 17.0	1.979	2.953	5.6	19.6
10 8	1 18.92	− 0 7.0	1.975	2.967	2.8	19.4
10 18	1 11.92	− 1 25.2	1.999	2.981	4.0	19.5
10 28	1 5.46	− 2 31.2	2.052	2.995	7.2	19.8
11 7	1 0.23	− 3 20.6	2.131	3.009	10.4	20.0
11 17	0 56.72	− 3 51.2	2.233	3.023	13.1	20.2

298576 2003 YX_{11} 10 13.5 270°.33 7°.7/20.4 18

9 8	1 42.19	+29 28.0	1.966	2.713	16.8	20.7
9 18	1 37.24	+30 15.6	1.876	2.706	14.4	20.5
9 28	1 29.81	+30 41.2	1.805	2.700	11.8	20.4
10 8	1 20.57	+30 41.8	1.757	2.693	9.2	20.2
10 18	1 10.49	+30 16.5	1.733	2.686	7.7	20.1
10 28	1 0.81	+29 28.4	1.736	2.680	8.3	20.1
11 7	0 52.70	+28 24.7	1.765	2.673	10.5	20.2
11 17	0 46.99	+27 14.2	1.818	2.666	13.2	20.4

436499 2011 ET_{83} 10 13.5 229°.45 1°.1/12.6 18

9 8	1 41.58	+ 7 34.0	1.775	2.621	14.6	22.3
9 18	1 36.54	+ 7 1.4	1.693	2.613	11.0	22.0
9 28	1 29.22	+ 6 17.5	1.634	2.605	6.9	21.8
10 8	1 20.30	+ 5 26.5	1.600	2.596	2.4	21.5
10 18	1 10.74	+ 4 34.2	1.595	2.587	2.8	21.5
10 28	1 1.67	+ 3 47.2	1.618	2.577	7.3	21.7
11 7	0 54.12	+ 3 11.6	1.667	2.567	11.5	22.0
11 17	0 48.82	+ 2 51.3	1.739	2.556	15.2	22.2

318346 2004 TH_{267} 10 13.5 187°.93 2°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 40.97	+ 1 11.8	2.571	3.412	10.7	20.5
9 18	1 35.30	+ 0 58.3	2.494	3.412	8.0	20.3
9 28	1 28.07	+ 0 42.1	2.442	3.411	5.0	20.1
10 8	1 19.80	+ 0 26.3	2.418	3.410	2.4	19.9
10 18	1 11.18	+ 0 14.2	2.425	3.409	3.1	20.0
10 28	1 2.95	+ 0 8.9	2.461	3.407	6.0	20.2
11 7	0 55.80	+ 0 12.7	2.526	3.406	8.9	20.4
11 17	0 50.23	+ 0 26.9	2.615	3.403	11.5	20.6

66506 1999 RM_{84} 10 13.5 298°.98 3°.5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.37	+17 38.9	1.680	2.500	16.4	19.2
9 18	1 35.98	+17 54.9	1.591	2.487	13.1	19.0
9 28	1 29.07	+17 53.2	1.523	2.474	9.3	18.7
10 8	1 20.31	+17 33.8	1.478	2.461	5.3	18.4
10 18	1 10.70	+16 58.7	1.459	2.448	3.6	18.3
10 28	1 1.51	+16 13.5	1.467	2.435	6.8	18.5
11 7	0 53.91	+15 25.7	1.501	2.423	11.0	18.7
11 17	0 48.77	+14 42.7	1.558	2.411	14.9	18.9

453441 2009 QL_{52} 10 13.5 7°.19 4°.9/ 8.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 30.05	+ 2 22.2	1.455	2.342	14.9	20.1
9 18	1 28.04	+ 0 18.1	1.401	2.344	11.0	19.9
9 28	1 23.89	− 1 56.3	1.370	2.347	7.1	19.7
10 8	1 18.36	− 4 9.5	1.364	2.351	4.9	19.5
10 18	1 12.38	− 6 9.5	1.385	2.357	6.9	19.7
10 28	1 7.02	− 7 45.6	1.431	2.364	10.6	19.9
11 7	1 3.18	− 8 51.9	1.500	2.373	14.3	20.2
11 17	1 1.44	− 9 26.9	1.590	2.382	17.5	20.4

58479 1996 RJ_{29} 10 13.5 43°.52 1°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 29.79	+ 0 40.5	4.230	5.078	6.7	19.7
9 18	1 26.47	+ 0 5.2	4.157	5.080	5.0	19.5
9 28	1 22.35	− 0 32.1	4.111	5.081	3.1	19.4
10 8	1 17.71	− 1 8.7	4.094	5.083	1.8	19.3
10 18	1 12.90	− 1 42.5	4.107	5.085	2.4	19.4
10 28	1 8.29	− 2 10.9	4.150	5.087	4.1	19.5
11 7	1 4.22	− 2 32.1	4.222	5.089	5.9	19.6
11 17	1 0.98	− 2 45.0	4.319	5.091	7.5	19.8

71611 2000 EA_{7} 10 13.5 312°.24 0°.4/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.33	+ 8 15.2	2.094	2.938	12.8	19.2
9 18	1 33.06	+ 8 0.7	2.006	2.924	9.7	19.0
9 28	1 26.92	+ 7 37.1	1.941	2.911	6.1	18.7
10 8	1 19.46	+ 7 7.2	1.902	2.898	2.2	18.5
10 18	1 11.44	+ 6 34.9	1.892	2.885	2.0	18.4
10 28	1 3.78	+ 6 4.9	1.910	2.872	6.0	18.7
11 7	0 57.31	+ 5 42.0	1.954	2.860	9.8	18.9
11 17	0 52.68	+ 5 29.7	2.023	2.848	13.0	19.1

476885 2008 VF_{62} 10 13.5 44°.48 0°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.35	+10 12.5	1.590	2.440	15.8	21.5
9 18	1 34.95	+ 9 44.6	1.524	2.444	12.0	21.3
9 28	1 28.21	+ 9 2.8	1.479	2.449	7.5	21.0
10 8	1 19.92	+ 8 11.1	1.458	2.454	2.7	20.8
10 18	1 11.10	+ 7 15.6	1.465	2.458	2.3	20.7
10 28	1 2.95	+ 6 23.7	1.499	2.463	7.1	21.1
11 7	0 56.46	+ 5 42.1	1.558	2.469	11.4	21.3
11 17	0 52.32	+ 5 15.2	1.639	2.474	15.1	21.6

22650 1998 OG_{12} 10 13.5 128°.48 3°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.83	+18 8.7	1.965	2.768	15.0	18.3
9 18	1 37.28	+18 23.2	1.890	2.776	11.9	18.1
9 28	1 29.57	+18 21.7	1.837	2.783	8.4	17.9
10 8	1 20.40	+18 4.5	1.809	2.790	4.9	17.7
10 18	1 10.70	+17 34.1	1.809	2.796	3.4	17.6
10 28	1 1.56	+16 55.2	1.837	2.803	5.9	17.8
11 7	0 53.92	+16 14.0	1.893	2.809	9.4	18.1
11 17	0 48.45	+15 36.6	1.973	2.815	12.7	18.3

405896 2006 HS_{8} 10 13.5 300°.86 2°.4/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.94	+15 16.4	2.183	2.996	13.4	21.2
9 18	1 35.06	+15 34.4	2.089	2.983	10.5	20.9
9 28	1 28.21	+15 40.4	2.018	2.971	7.2	20.7
10 8	1 19.94	+15 34.7	1.972	2.958	3.9	20.5
10 18	1 11.04	+15 19.2	1.955	2.946	2.6	20.4
10 28	1 2.46	+14 57.4	1.967	2.934	5.5	20.6
11 7	0 55.08	+14 34.2	2.007	2.922	9.0	20.7
11 17	0 49.60	+14 14.2	2.071	2.910	12.2	20.9

157438 2004 VG_{5} 10 13.5 42°.71 3°.7/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.14	+22 30.4	2.179	2.967	14.2	19.7
9 18	1 32.11	+22 14.8	2.098	2.970	11.5	19.5
9 28	1 26.26	+21 40.1	2.039	2.974	8.4	19.3
10 8	1 19.20	+20 47.3	2.004	2.977	5.3	19.1
10 18	1 11.72	+19 39.7	1.997	2.981	3.7	19.0
10 28	1 4.70	+18 23.0	2.018	2.984	5.4	19.1
11 7	0 58.94	+17 4.4	2.068	2.988	8.5	19.3
11 17	0 55.01	+15 50.7	2.143	2.992	11.5	19.5

494507 2016 XY 10 13.5 328°.79 3°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.56	+ 2 2.6	1.476	2.348	15.6	21.1
9 18	1 34.64	+ 1 28.5	1.402	2.336	11.7	20.8
9 28	1 28.21	+ 0 47.5	1.349	2.324	7.4	20.5
10 8	1 20.00	+ 0 5.4	1.321	2.314	3.7	20.3
10 18	1 11.06	− 0 30.5	1.318	2.303	4.9	20.3
10 28	1 2.69	− 0 53.6	1.341	2.294	9.2	20.6
11 7	0 56.01	− 0 59.0	1.388	2.285	13.6	20.8
11 17	0 51.83	− 0 44.8	1.455	2.276	17.4	21.0

220755 2004 TZ_{88} 10 13.5 151°.28 1°.1/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.89	+ 7 32.8	2.244	3.088	12.0	20.4
9 18	1 31.74	+ 6 44.2	2.169	3.089	8.9	20.2
9 28	1 25.95	+ 5 46.2	2.119	3.090	5.5	20.0
10 8	1 19.09	+ 4 43.1	2.096	3.091	2.0	19.8
10 18	1 11.85	+ 3 40.1	2.102	3.092	2.5	19.8
10 28	1 5.04	+ 2 42.9	2.137	3.093	6.0	20.1
11 7	0 59.36	+ 1 56.4	2.199	3.093	9.4	20.3
11 17	0 55.33	+ 1 23.8	2.285	3.094	12.3	20.5

481929 2009 BH_{96} 10 13.5 151°.08 4°.7/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.56	− 3 29.5	2.126	2.985	12.0	21.1
9 18	1 33.74	− 4 39.5	2.065	2.991	9.0	21.0
9 28	1 27.18	− 5 50.8	2.030	2.996	6.2	20.8
10 8	1 19.52	− 6 56.8	2.022	3.001	4.7	20.7
10 18	1 11.52	− 7 51.4	2.043	3.005	5.9	20.8
10 28	1 4.03	− 8 29.6	2.091	3.009	8.6	21.0
11 7	0 57.80	− 8 48.5	2.164	3.013	11.5	21.2
11 17	0 53.36	− 8 48.0	2.260	3.017	14.0	21.4

187746 1976 DC 10 13.5 232°.72 10°.6/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.64	+40 9.9	2.336	2.979	16.9	21.5
9 18	1 43.91	+41 20.5	2.227	2.962	15.3	21.3
9 28	1 34.27	+42 8.4	2.136	2.944	13.6	21.2
10 8	1 22.32	+42 27.7	2.065	2.924	11.9	21.0
10 18	1 9.11	+42 14.1	2.017	2.904	10.8	20.9
10 28	0 56.10	+41 27.9	1.995	2.883	10.7	20.9
11 7	0 44.69	+40 14.7	1.999	2.860	11.8	20.9
11 17	0 35.97	+38 43.8	2.027	2.837	13.6	21.0

98987 2001 DG_{26} 10 13.5 49°.41 2°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.31	+ 3 52.7	1.737	2.595	14.3	19.7
9 18	1 35.49	+ 3 19.4	1.669	2.596	10.7	19.5
9 28	1 28.50	+ 2 38.7	1.624	2.597	6.7	19.2
10 8	1 20.05	+ 1 55.8	1.604	2.598	2.8	19.0
10 18	1 11.11	+ 1 16.3	1.612	2.599	3.7	19.1
10 28	1 2.76	+ 0 46.4	1.647	2.600	7.8	19.3
11 7	0 55.94	+ 0 30.2	1.708	2.601	11.7	19.6
11 17	0 51.32	+ 0 30.1	1.791	2.603	15.0	19.8

348732 2006 FT_{7} 10 13.5 174°.98 0°.8/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.86	+ 7 45.2	1.927	2.769	13.7	21.6
9 18	1 35.75	+ 7 19.2	1.852	2.770	10.4	21.4
9 28	1 28.60	+ 6 43.4	1.801	2.771	6.4	21.2
10 8	1 20.09	+ 6 1.5	1.777	2.772	2.3	20.9
10 18	1 11.09	+ 5 18.3	1.781	2.773	2.4	20.9
10 28	1 2.61	+ 4 39.7	1.813	2.773	6.6	21.2
11 7	0 55.55	+ 4 10.5	1.872	2.773	10.4	21.4
11 17	0 50.55	+ 3 54.2	1.955	2.772	13.7	21.7

263863 2009 DV_{3} 10 13.5 178°.98 1°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.57	+ 5 23.8	2.529	3.366	11.0	22.1
9 18	1 34.30	+ 4 47.6	2.452	3.368	8.2	22.0
9 28	1 27.48	+ 4 4.8	2.399	3.369	5.1	21.8
10 8	1 19.64	+ 3 19.1	2.375	3.370	2.0	21.6
10 18	1 11.45	+ 2 34.6	2.381	3.370	2.6	21.6
10 28	1 3.66	+ 1 55.8	2.418	3.369	5.7	21.8
11 7	0 56.93	+ 1 26.3	2.482	3.368	8.8	22.0
11 17	0 51.79	+ 1 8.6	2.571	3.366	11.5	22.2

348353 2005 EM_{153} 10 13.5 241°.86 0°.8/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.09	+ 8 28.9	2.136	2.949	13.6	21.0
9 18	1 44.31	+ 9 7.7	2.037	2.936	10.5	20.8
9 28	1 34.11	+ 9 40.7	1.963	2.923	6.8	20.5
10 8	1 22.15	+10 8.1	1.917	2.910	2.7	20.2
10 18	1 9.35	+10 30.9	1.903	2.896	1.9	20.1
10 28	0 56.89	+10 51.0	1.920	2.881	6.1	20.4
11 7	0 45.85	+11 11.2	1.967	2.866	10.1	20.6
11 17	0 37.05	+11 34.6	2.040	2.851	13.5	20.8

31355 1998 TT_{6} 10 13.5 92°.14 3°.2/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.91	+ 1 46.8	1.528	2.389	15.7	17.7
9 18	1 38.33	+ 1 14.8	1.471	2.400	11.8	17.5
9 28	1 30.30	+ 0 37.4	1.437	2.410	7.4	17.2
10 8	1 20.70	+ 0 0.5	1.428	2.420	3.6	17.0
10 18	1 10.65	− 0 29.7	1.445	2.430	4.6	17.1
10 28	1 1.41	− 0 47.3	1.490	2.440	8.7	17.4
11 7	0 54.03	− 0 48.8	1.559	2.450	12.8	17.7
11 17	0 49.16	− 0 33.1	1.650	2.459	16.2	17.9

361958 2008 JR_{17} 10 13.5 62°.33 1°.8/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 36.28	+ 6 59.9	1.991	2.843	13.0	20.6
9 18	1 32.02	+ 5 43.2	1.943	2.867	9.6	20.5
9 28	1 26.07	+ 4 17.2	1.919	2.892	5.8	20.3
10 8	1 19.11	+ 2 48.3	1.922	2.916	2.3	20.1
10 18	1 11.94	+ 1 23.5	1.954	2.941	3.2	20.2
10 28	1 5.39	+ 0 9.5	2.015	2.965	6.8	20.5
11 7	1 0.15	− 0 48.7	2.102	2.990	10.1	20.7
11 17	0 56.70	− 1 28.6	2.213	3.014	12.9	21.0

449763 2014 OC_{67} 10 13.5 234°.06 0°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.25	+10 1.4	2.222	3.056	12.5	21.8
9 18	1 33.59	+ 9 44.1	2.142	3.054	9.5	21.6
9 28	1 27.17	+ 9 16.9	2.085	3.052	6.0	21.4
10 8	1 19.57	+ 8 42.5	2.055	3.050	2.2	21.1
10 18	1 11.52	+ 8 4.5	2.054	3.048	1.7	21.1
10 28	1 3.89	+ 7 27.8	2.082	3.046	5.5	21.4
11 7	0 57.44	+ 6 56.9	2.138	3.044	9.0	21.6
11 17	0 52.75	+ 6 35.5	2.218	3.041	12.1	21.8

308909 2006 SQ_{261} 10 13.5 341°.07 0°.5/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.66	+ 6 6.5	1.428	2.292	16.5	19.8
9 18	1 36.43	+ 6 24.4	1.350	2.278	12.6	19.5
9 28	1 29.48	+ 6 34.7	1.292	2.265	8.0	19.2
10 8	1 20.53	+ 6 39.9	1.258	2.254	2.9	18.9
10 18	1 10.71	+ 6 43.5	1.250	2.243	2.6	18.8
10 28	1 1.42	+ 6 50.1	1.268	2.234	7.9	19.1
11 7	0 53.93	+ 7 4.2	1.310	2.226	12.7	19.4
11 17	0 49.12	+ 7 28.7	1.373	2.218	16.9	19.6

474475 2003 SA_{221} 10 13.5 16°.86 1°.4/14.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 31.02	+17 11.6	1.155	2.017	19.7	20.1
9 18	1 29.33	+16 1.1	1.101	2.025	15.2	19.9
9 28	1 24.96	+14 21.4	1.066	2.035	9.9	19.6
10 8	1 18.83	+12 19.6	1.053	2.046	4.3	19.3
10 18	1 12.19	+10 7.5	1.065	2.059	2.4	19.3
10 28	1 6.40	+ 8 0.1	1.101	2.073	7.8	19.6
11 7	1 2.55	+ 6 10.6	1.161	2.089	12.9	20.0
11 17	1 1.29	+ 4 47.2	1.242	2.105	17.1	20.3

9736 1986 QP_{2} 10 13.5 43°.88 1°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.05	+ 6 52.5	1.905	2.757	13.5	18.0
9 18	1 32.76	+ 6 16.6	1.848	2.772	10.0	17.8
9 28	1 26.64	+ 5 31.9	1.815	2.787	6.2	17.6
10 8	1 19.36	+ 4 43.0	1.808	2.803	2.2	17.4
10 18	1 11.76	+ 3 55.1	1.828	2.819	2.7	17.4
10 28	1 4.76	+ 3 13.9	1.877	2.835	6.5	17.7
11 7	0 59.14	+ 2 44.0	1.951	2.852	10.1	18.0
11 17	0 55.41	+ 2 28.0	2.049	2.868	13.1	18.2

13951 1990 SD_{5} 10 13.5 114°.11 0°.6/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.58	+ 8 37.4	1.726	2.567	15.1	18.8
9 18	1 37.85	+ 8 11.2	1.665	2.582	11.4	18.6
9 28	1 29.91	+ 7 33.8	1.628	2.597	7.1	18.4
10 8	1 20.56	+ 6 49.4	1.616	2.611	2.5	18.1
10 18	1 10.80	+ 6 3.4	1.632	2.625	2.4	18.1
10 28	1 1.79	+ 5 22.1	1.677	2.638	6.9	18.4
11 7	0 54.46	+ 4 50.8	1.748	2.651	10.9	18.7
11 17	0 49.42	+ 4 33.2	1.843	2.663	14.3	19.0

359075 2008 YP_{138} 10 13.5 242°.40 5°.6/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.52	+26 10.2	2.090	2.854	15.5	21.3
9 18	1 35.76	+26 24.1	1.994	2.844	12.9	21.1
9 28	1 28.79	+26 17.2	1.918	2.833	10.1	20.9
10 8	1 20.24	+25 48.0	1.866	2.822	7.2	20.7
10 18	1 10.98	+24 57.6	1.840	2.811	5.7	20.6
10 28	1 2.11	+23 50.5	1.843	2.800	6.7	20.7
11 7	0 54.63	+22 34.1	1.872	2.788	9.5	20.8
11 17	0 49.28	+21 16.7	1.926	2.776	12.6	21.0

180960 2005 MX_{34} 10 13.5 27°.89 7°.7/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.50	− 9 16.1	1.697	2.573	13.7	19.8
9 18	1 32.58	−10 49.2	1.651	2.578	10.8	19.6
9 28	1 26.63	−12 18.1	1.628	2.584	8.4	19.5
10 8	1 19.38	−13 33.6	1.630	2.590	7.7	19.5
10 18	1 11.76	−14 27.9	1.658	2.597	9.2	19.6
10 28	1 4.80	−14 55.8	1.710	2.605	11.8	19.8
11 7	0 59.34	−14 56.1	1.785	2.612	14.5	20.0
11 17	0 55.96	−14 30.6	1.878	2.620	16.9	20.2

60683 2000 GL_{33} 10 13.5 160°.38 0°.2/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.24	+12 45.5	1.573	2.411	16.5	19.9
9 18	1 37.19	+11 52.1	1.503	2.417	12.6	19.6
9 28	1 29.68	+10 40.1	1.455	2.422	8.0	19.4
10 8	1 20.52	+ 9 14.4	1.432	2.426	3.0	19.1
10 18	1 10.82	+ 7 42.9	1.436	2.430	2.3	19.1
10 28	1 1.84	+ 6 15.1	1.469	2.433	7.3	19.4
11 7	0 54.64	+ 4 59.9	1.528	2.436	11.8	19.7
11 17	0 49.91	+ 4 3.4	1.609	2.437	15.7	19.9

195309 2002 EY_{106} 10 13.5 337°.89 3°.0/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 30.16	− 7 9.0	4.346	5.197	6.5	19.8
9 18	1 26.75	− 7 48.4	4.279	5.197	5.0	19.7
9 28	1 22.55	− 8 26.6	4.240	5.197	3.6	19.6
10 8	1 17.85	− 9 0.8	4.229	5.197	3.0	19.5
10 18	1 12.98	− 9 28.7	4.247	5.196	3.7	19.6
10 28	1 8.31	− 9 48.1	4.295	5.196	5.1	19.7
11 7	1 4.17	− 9 57.9	4.369	5.196	6.6	19.8
11 17	1 0.84	− 9 57.4	4.468	5.196	8.0	19.9

310004 2009 JP_{16} 10 13.5 219°.25 2°.5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.00	+ 3 0.8	2.085	2.939	12.4	21.7
9 18	1 33.47	+ 2 12.0	2.011	2.936	9.3	21.5
9 28	1 27.12	+ 1 16.8	1.960	2.933	5.8	21.3
10 8	1 19.57	+ 0 20.1	1.937	2.930	2.8	21.1
10 18	1 11.58	− 0 32.3	1.943	2.926	3.8	21.1
10 28	1 4.04	− 1 14.9	1.976	2.923	7.2	21.3
11 7	0 57.75	− 1 43.4	2.037	2.919	10.6	21.5
11 17	0 53.27	− 1 55.7	2.120	2.915	13.6	21.7

157449 2004 VH_{52} 10 13.5 334°.02 1°.1/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.97	+15 6.6	1.937	2.769	14.1	19.2
9 18	1 30.69	+14 22.2	1.853	2.761	10.9	19.0
9 28	1 25.51	+13 20.3	1.791	2.754	7.2	18.8
10 8	1 19.02	+12 4.3	1.754	2.746	3.1	18.5
10 18	1 12.02	+10 39.8	1.746	2.740	1.8	18.4
10 28	1 5.46	+ 9 14.2	1.765	2.733	5.8	18.7
11 7	1 0.17	+ 7 55.4	1.812	2.728	9.8	18.9
11 17	0 56.77	+ 6 49.7	1.883	2.722	13.2	19.1

44395 1998 SE_{68} 10 13.5 230°.74 2°.8/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.57	+19 31.8	1.925	2.733	15.1	19.1
9 18	1 33.44	+19 0.8	1.841	2.731	12.0	18.9
9 28	1 27.25	+18 9.4	1.779	2.728	8.4	18.7
10 8	1 19.65	+16 59.6	1.741	2.725	4.6	18.5
10 18	1 11.52	+15 36.0	1.731	2.721	2.8	18.4
10 28	1 3.89	+14 6.0	1.749	2.718	5.8	18.5
11 7	0 57.66	+12 38.2	1.795	2.715	9.6	18.8
11 17	0 53.47	+11 20.0	1.866	2.711	13.1	19.0

112606 2002 PL_{61} 10 13.5 32°.95 1°.1/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.79	+15 4.7	1.199	2.057	19.4	19.0
9 18	1 33.63	+14 15.4	1.143	2.065	14.9	18.8
9 28	1 27.66	+13 1.4	1.105	2.074	9.7	18.5
10 8	1 19.83	+11 28.5	1.091	2.084	4.0	18.2
10 18	1 11.44	+ 9 46.3	1.101	2.095	2.4	18.2
10 28	1 3.95	+ 8 7.2	1.136	2.106	7.9	18.6
11 7	0 58.53	+ 6 42.8	1.194	2.118	13.0	18.9
11 17	0 55.89	+ 5 40.3	1.274	2.130	17.3	19.2

477505 2010 CH_{105} 10 13.5 186°.77 2°.8/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.33	+ 3 33.4	1.723	2.584	14.3	21.8
9 18	1 34.79	+ 2 39.8	1.655	2.584	10.7	21.5
9 28	1 28.10	+ 1 37.8	1.610	2.584	6.7	21.3
10 8	1 19.96	+ 0 33.9	1.591	2.583	3.2	21.1
10 18	1 11.32	− 0 25.2	1.599	2.583	4.3	21.2
10 28	1 3.26	− 1 12.3	1.634	2.583	8.2	21.4
11 7	0 56.72	− 1 42.6	1.695	2.582	12.1	21.6
11 17	0 52.36	− 1 53.7	1.777	2.582	15.4	21.9

149095 2002 CQ_{156} 10 13.5 249°.84 0°.4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.10	+11 16.0	2.175	3.006	12.8	20.7
9 18	1 33.56	+10 56.6	2.092	3.002	9.8	20.5
9 28	1 27.22	+10 25.9	2.032	2.997	6.3	20.3
10 8	1 19.64	+ 9 46.4	1.999	2.993	2.4	20.1
10 18	1 11.58	+ 9 2.2	1.994	2.988	1.7	20.0
10 28	1 3.92	+ 8 18.3	2.019	2.983	5.6	20.2
11 7	0 57.47	+ 7 39.9	2.070	2.978	9.2	20.5
11 17	0 52.80	+ 7 11.1	2.147	2.974	12.3	20.7

124996 2001 TJ_{146} 10 13.5 295°.48 3°.6/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.74	+ 1 24.4	1.529	2.395	15.5	20.3
9 18	1 37.26	+ 0 50.4	1.437	2.368	11.8	20.0
9 28	1 30.07	+ 0 9.2	1.367	2.340	7.6	19.7
10 8	1 20.82	− 0 33.3	1.321	2.313	3.9	19.4
10 18	1 10.56	− 1 10.0	1.301	2.285	5.2	19.4
10 28	1 0.63	− 1 33.4	1.308	2.258	9.7	19.6
11 7	0 52.35	− 1 38.3	1.339	2.231	14.4	19.8
11 17	0 46.65	− 1 22.3	1.390	2.203	18.5	20.0

215679 2003 WL_{59} 10 13.5 27°.81 5°.6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.85	− 2 7.7	1.013	1.904	19.5	19.4
9 18	1 38.38	− 2 37.2	0.972	1.914	14.7	19.2
9 28	1 30.68	− 3 8.0	0.949	1.925	9.6	18.9
10 8	1 20.92	− 3 31.1	0.949	1.938	5.9	18.8
10 18	1 10.67	− 3 38.8	0.971	1.952	7.2	18.9
10 28	1 1.63	− 3 25.6	1.016	1.967	11.7	19.2
11 7	0 55.12	− 2 50.1	1.082	1.982	16.2	19.5
11 17	0 51.81	− 1 54.4	1.166	1.999	20.1	19.8

131086 2000 YT_{126} 10 13.5 194°.41 6°.8/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 40.59	−10 4.1	2.060	2.918	12.4	20.1
9 18	1 35.41	−11 16.8	2.000	2.916	9.8	20.0
9 28	1 28.33	−12 25.6	1.964	2.914	7.6	19.8
10 8	1 20.03	−13 23.3	1.954	2.912	6.8	19.8
10 18	1 11.32	−14 3.5	1.972	2.909	8.1	19.9
10 28	1 3.15	−14 21.8	2.016	2.906	10.5	20.0
11 7	0 56.32	−14 17.0	2.084	2.903	13.0	20.2
11 17	0 51.42	−13 50.1	2.173	2.899	15.4	20.3

399083 2014 DM_{14} 10 13.5 165°.38 5°.6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.95	− 7 19.3	2.199	3.053	11.8	21.4
9 18	1 35.51	− 8 21.5	2.139	3.058	9.1	21.2
9 28	1 28.31	− 9 21.7	2.105	3.062	6.7	21.0
10 8	1 20.00	−10 13.5	2.097	3.066	5.6	21.0
10 18	1 11.35	−10 51.5	2.118	3.069	6.7	21.1
10 28	1 3.23	−11 11.5	2.167	3.071	9.1	21.2
11 7	0 56.39	−11 11.8	2.240	3.073	11.7	21.4
11 17	0 51.36	−10 53.0	2.336	3.075	14.1	21.6

248496 2005 UQ_{365} 10 13.5 110°.99 7°.5/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.76	−16 12.9	2.262	3.102	12.1	20.6
9 18	1 38.22	−16 50.5	2.213	3.111	9.9	20.4
9 28	1 29.91	−17 18.5	2.189	3.120	8.1	20.3
10 8	1 20.55	−17 31.2	2.190	3.128	7.5	20.3
10 18	1 10.95	−17 24.6	2.219	3.137	8.4	20.4
10 28	1 2.02	−16 56.9	2.275	3.145	10.3	20.5
11 7	0 54.49	−16 9.0	2.356	3.154	12.4	20.7
11 17	0 48.88	−15 3.5	2.458	3.162	14.3	20.9

368111 2013 GV_{39} 10 13.5 265°.50 5°.7/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.96	− 7 49.7	2.150	3.006	12.0	21.7
9 18	1 35.76	− 8 39.7	2.069	2.988	9.4	21.5
9 28	1 28.64	− 9 27.8	2.012	2.970	6.9	21.3
10 8	1 20.18	−10 7.9	1.982	2.951	5.7	21.2
10 18	1 11.17	−10 34.4	1.980	2.933	6.9	21.2
10 28	1 2.56	−10 42.8	2.005	2.913	9.5	21.4
11 7	0 55.18	−10 31.0	2.055	2.894	12.4	21.5
11 17	0 49.68	− 9 59.5	2.127	2.875	15.0	21.7

123598 2000 YW_{3} 10 13.5 118°.93 3°.9/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.90	+21 46.4	1.938	2.729	15.6	20.4
9 18	1 35.87	+21 39.0	1.865	2.740	12.5	20.2
9 28	1 28.74	+21 11.6	1.814	2.751	9.1	20.0
10 8	1 20.20	+20 24.8	1.787	2.762	5.7	19.8
10 18	1 11.22	+19 22.1	1.787	2.772	3.9	19.7
10 28	1 2.83	+18 9.8	1.816	2.782	6.0	19.9
11 7	0 55.97	+16 55.9	1.872	2.791	9.3	20.1
11 17	0 51.26	+15 47.6	1.953	2.800	12.5	20.3

70105 1999 KE_{7} 10 13.5 155°.38 1°.3/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.07	+ 8 32.8	1.624	2.472	15.6	20.2
9 18	1 36.96	+ 7 37.6	1.557	2.478	11.7	19.9
9 28	1 29.51	+ 6 28.5	1.512	2.484	7.3	19.7
10 8	1 20.50	+ 5 11.6	1.494	2.489	2.6	19.4
10 18	1 10.99	+ 3 54.4	1.503	2.494	3.1	19.5
10 28	1 2.16	+ 2 45.3	1.539	2.498	7.7	19.8
11 7	0 55.04	+ 1 51.2	1.602	2.501	12.0	20.0
11 17	0 50.30	+ 1 16.3	1.687	2.504	15.6	20.3

142222 2002 RP_{74} 10 13.5 72°.28 0°.9/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.13	+ 9 15.8	1.353	2.209	17.7	20.4
9 18	1 37.86	+ 8 29.2	1.309	2.234	13.2	20.2
9 28	1 30.02	+ 7 28.1	1.286	2.258	8.1	20.0
10 8	1 20.63	+ 6 19.1	1.287	2.283	2.8	19.7
10 18	1 10.95	+ 5 10.3	1.315	2.307	2.9	19.8
10 28	1 2.29	+ 4 10.6	1.369	2.331	7.9	20.2
11 7	0 55.70	+ 3 26.5	1.448	2.355	12.4	20.5
11 17	0 51.74	+ 3 1.4	1.549	2.379	16.1	20.8

510106 2010 RF_{62} 10 13.5 1°.46 5°.7/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.60	+18 5.4	0.927	1.794	22.9	20.3
9 18	1 34.49	+18 55.5	0.869	1.791	18.5	20.0
9 28	1 28.79	+19 19.4	0.828	1.789	13.4	19.7
10 8	1 20.44	+19 15.2	0.804	1.789	8.2	19.5
10 18	1 11.00	+18 45.0	0.802	1.791	5.8	19.3
10 28	1 2.47	+17 57.5	0.820	1.794	9.3	19.6
11 7	0 56.56	+17 5.3	0.859	1.799	14.5	19.9
11 17	0 54.25	+16 19.9	0.917	1.806	19.3	20.2

126974 2002 FV_{22} 10 13.5 50°.79 6°.2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.04	− 5 59.2	1.367	2.238	16.7	18.2
9 18	1 39.88	− 6 32.3	1.333	2.262	12.7	18.0
9 28	1 31.20	− 7 1.5	1.320	2.286	8.7	17.9
10 8	1 21.06	− 7 19.5	1.331	2.311	6.3	17.8
10 18	1 10.72	− 7 20.6	1.368	2.337	7.5	18.0
10 28	1 1.53	− 7 1.6	1.430	2.362	10.8	18.2
11 7	0 54.46	− 6 22.7	1.516	2.388	14.2	18.5
11 17	0 50.05	− 5 26.2	1.622	2.414	17.2	18.8

390360 2013 CY_{210} 10 13.5 31°.31 0°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 30.13	+13 41.6	4.273	5.081	7.4	21.3
9 18	1 26.81	+13 20.3	4.187	5.083	5.7	21.2
9 28	1 22.66	+12 52.2	4.127	5.084	3.7	21.1
10 8	1 17.97	+12 18.8	4.095	5.085	1.7	20.9
10 18	1 13.09	+11 42.1	4.093	5.086	1.0	20.8
10 28	1 8.40	+11 4.4	4.122	5.088	2.9	21.0
11 7	1 4.26	+10 28.4	4.181	5.089	4.9	21.2
11 17	1 0.96	+ 9 56.2	4.267	5.090	6.7	21.3

264596 2001 UV_{27} 10 13.6 76°.79 0°.2/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.57	+ 8 30.7	1.509	2.354	16.7	20.2
9 18	1 40.28	+ 8 25.1	1.460	2.378	12.6	20.1
9 28	1 31.51	+ 8 8.3	1.433	2.402	7.9	19.8
10 8	1 21.21	+ 7 43.8	1.431	2.426	2.8	19.6
10 18	1 10.59	+ 7 16.6	1.456	2.449	2.3	19.6
10 28	1 0.93	+ 6 52.7	1.509	2.473	7.2	20.0
11 7	0 53.26	+ 6 37.1	1.588	2.496	11.4	20.3
11 17	0 48.20	+ 6 33.2	1.689	2.519	15.0	20.6

61726 2000 QK_{146} 10 13.6 66°.86 0°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.14	+ 8 10.2	1.952	2.789	13.8	19.2
9 18	1 37.42	+ 8 17.9	1.885	2.799	10.5	19.0
9 28	1 29.66	+ 8 17.2	1.841	2.809	6.6	18.8
10 8	1 20.57	+ 8 10.5	1.824	2.819	2.4	18.5
10 18	1 11.05	+ 8 0.9	1.835	2.829	1.9	18.5
10 28	1 2.12	+ 7 52.2	1.875	2.839	6.0	18.8
11 7	0 54.66	+ 7 48.4	1.943	2.849	9.8	19.1
11 17	0 49.27	+ 7 52.4	2.034	2.859	13.0	19.3

383310 2006 HO_{60} 10 13.6 147°.75 3°.5/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.98	+ 0 21.7	2.295	3.147	11.5	21.8
9 18	1 33.96	− 0 56.4	2.234	3.157	8.6	21.6
9 28	1 27.34	− 2 18.7	2.198	3.167	5.5	21.5
10 8	1 19.70	− 3 39.1	2.191	3.177	3.6	21.4
10 18	1 11.77	− 4 51.4	2.214	3.186	4.7	21.4
10 28	1 4.32	− 5 50.1	2.265	3.194	7.5	21.6
11 7	0 58.06	− 6 31.5	2.344	3.201	10.4	21.8
11 17	0 53.48	− 6 54.4	2.445	3.208	12.9	22.0

147567 2004 FE_{41} 10 13.6 313°.38 0°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.45	+10 44.2	1.279	2.141	18.1	20.0
9 18	1 36.00	+10 40.7	1.194	2.120	14.1	19.7
9 28	1 29.54	+10 20.8	1.128	2.099	9.2	19.4
10 8	1 20.75	+ 9 47.0	1.085	2.079	3.6	19.0
10 18	1 10.81	+ 9 4.3	1.066	2.060	2.5	18.9
10 28	1 1.32	+ 8 21.1	1.071	2.041	8.4	19.2
11 7	0 53.77	+ 7 45.9	1.100	2.023	13.9	19.4
11 17	0 49.19	+ 7 25.7	1.149	2.005	18.7	19.7

144786 2004 HT_{35} 10 13.6 173°.80 2°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.52	+18 0.3	2.254	3.059	13.3	20.7
9 18	1 33.10	+17 29.2	2.171	3.060	10.4	20.5
9 28	1 26.93	+16 41.6	2.111	3.061	7.1	20.3
10 8	1 19.60	+15 39.9	2.077	3.062	3.7	20.1
10 18	1 11.85	+14 28.0	2.071	3.063	2.2	20.0
10 28	1 4.54	+13 11.8	2.095	3.063	5.1	20.2
11 7	0 58.43	+11 58.2	2.148	3.063	8.5	20.4
11 17	0 54.07	+10 52.8	2.226	3.063	11.6	20.6

96743 1999 OC_{3} 10 13.6 26°.55 13°.7/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.63	+36 4.4	1.319	2.060	23.9	18.0
9 18	1 41.11	+38 7.7	1.266	2.074	21.3	17.8
9 28	1 32.92	+39 37.9	1.229	2.089	18.4	17.7
10 8	1 21.98	+40 26.5	1.208	2.106	15.8	17.6
10 18	1 9.92	+40 29.3	1.208	2.123	14.1	17.5
10 28	0 58.78	+39 49.5	1.228	2.142	13.8	17.6
11 7	0 50.32	+38 38.1	1.269	2.161	15.0	17.7
11 17	0 45.57	+37 9.6	1.331	2.182	17.0	17.9

100027 Hannaharendt 10 13.6 16°.16 1°.4/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.71	+12 15.3	1.004	1.881	20.7	18.6
9 18	1 34.02	+12 16.6	0.955	1.888	15.9	18.3
9 28	1 28.16	+11 57.2	0.924	1.897	10.4	18.1
10 8	1 20.15	+11 21.0	0.913	1.907	4.3	17.8
10 18	1 11.46	+10 35.0	0.925	1.919	2.7	17.7
10 28	1 3.79	+ 9 49.0	0.959	1.933	8.4	18.1
11 7	0 58.49	+ 9 12.3	1.016	1.948	13.8	18.5
11 17	0 56.29	+ 8 51.4	1.091	1.964	18.3	18.8

204485 2005 AU_{77} 10 13.6 293°.16 1°.5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.61	+ 6 18.1	1.705	2.560	14.7	20.5
9 18	1 35.22	+ 5 49.0	1.624	2.549	11.1	20.3
9 28	1 28.55	+ 5 9.7	1.566	2.538	6.9	20.0
10 8	1 20.27	+ 4 24.7	1.533	2.528	2.6	19.7
10 18	1 11.32	+ 3 39.6	1.527	2.517	3.1	19.7
10 28	1 2.85	+ 3 1.2	1.548	2.507	7.6	20.0
11 7	0 55.88	+ 2 35.0	1.595	2.497	11.8	20.2
11 17	0 51.16	+ 2 24.5	1.664	2.487	15.5	20.4

74097 1998 QX_{15} 10 13.6 2.°26 8.°0/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 34.19	+27 27.4	1.289	2.096	21.2	18.3
9 18	1 32.00	+27 57.3	1.220	2.093	17.9	18.1
9 28	1 26.91	+27 55.5	1.167	2.093	14.1	17.8
10 8	1 19.75	+27 19.7	1.134	2.093	10.4	17.6
10 18	1 11.75	+26 11.6	1.123	2.095	8.1	17.5
10 28	1 4.45	+24 39.1	1.135	2.099	9.0	17.6
11 7	0 59.20	+22 55.2	1.171	2.104	12.2	17.8
11 17	0 56.84	+21 13.1	1.228	2.110	15.9	18.0

185575 2008 BF_{15} 10 13.6 261.°24 0.°6/12.9 18

9 8	1 38.66	+ 8 30.4	2.216	3.053	12.4	21.4
9 18	1 34.09	+ 7 57.6	2.119	3.035	9.4	21.2
9 28	1 27.66	+ 7 14.5	2.047	3.016	5.9	20.9
10 8	1 19.92	+ 6 24.3	2.002	2.997	2.1	20.6
10 18	1 11.60	+ 5 31.5	1.986	2.978	2.2	20.6
10 28	1 3.58	+ 4 41.8	1.999	2.958	6.1	20.8
11 7	0 56.70	+ 4 0.5	2.039	2.938	9.8	21.0
11 17	0 51.58	+ 3 31.3	2.104	2.918	13.0	21.2

8338 Ralhan 10 13.6 129.°65 4.°8/ 9.7 18 R

9 8	1 45.05	− 2 0.4	1.665	2.524	14.8	17.6
9 18	1 39.00	− 3 1.4	1.613	2.539	11.1	17.5
9 28	1 30.68	− 4 4.6	1.584	2.552	7.4	17.3
10 8	1 20.95	− 5 2.5	1.582	2.566	4.9	17.2
10 18	1 10.87	− 5 47.8	1.607	2.578	6.2	17.3
10 28	1 1.59	− 6 15.0	1.659	2.590	9.6	17.5
11 7	0 54.08	− 6 21.4	1.736	2.601	13.1	17.7
11 17	0 48.92	− 6 7.2	1.834	2.612	16.0	18.0

451980 2014 NT_{44} 10 13.6 320.°26 2.°1/15.9 18

9 8	1 35.70	+17 30.5	2.106	2.921	13.7	21.0
9 18	1 31.91	+17 2.9	2.021	2.916	10.8	20.8
9 28	1 26.28	+16 18.4	1.958	2.911	7.4	20.6
10 8	1 19.41	+15 19.0	1.920	2.907	3.8	20.4
10 18	1 12.05	+14 9.0	1.910	2.902	2.3	20.3
10 28	1 5.11	+12 54.6	1.929	2.898	5.3	20.5
11 7	0 59.39	+11 42.6	1.976	2.894	8.9	20.7
11 17	0 55.48	+10 39.4	2.047	2.890	12.2	20.9

491523 2012 KA_{6} 10 13.6 58.°43 10.°0/ 3.9 17

9 8	1 35.76	+ 1 28.2	0.872	1.779	20.4	19.7
9 18	1 33.50	− 2 55.6	0.833	1.785	15.2	19.4
9 28	1 27.89	− 7 36.4	0.816	1.791	10.9	19.2
10 8	1 20.07	−12 3.7	0.823	1.798	10.4	19.2
10 18	1 11.61	−15 47.9	0.855	1.804	13.9	19.4
10 28	1 4.29	−18 29.7	0.908	1.811	18.6	19.7
11 7	0 59.46	−20 5.4	0.979	1.819	22.8	20.0
11 17	0 57.83	−20 41.8	1.064	1.826	26.1	20.3

166254 2002 GO_{33} 10 13.6 146.°38 2.°5/11.8 18

9 8	1 45.55	+ 3 33.0	1.518	2.374	16.1	20.3
9 18	1 39.75	+ 3 5.5	1.454	2.380	12.1	20.0
9 28	1 31.38	+ 2 30.5	1.412	2.385	7.5	19.8
10 8	1 21.28	+ 1 53.4	1.395	2.389	3.2	19.5
10 18	1 10.61	+ 1 20.4	1.406	2.394	4.1	19.6
10 28	1 0.71	+ 0 57.9	1.443	2.398	8.5	19.9
11 7	0 52.71	+ 0 50.2	1.506	2.401	12.8	20.1
11 17	0 47.30	+ 0 59.3	1.590	2.404	16.5	20.4

244970 2004 BU_{29} 10 13.6 352.°33 8.°9/19.1 18

9 8	1 39.96	+24 43.5	1.316	2.125	20.7	19.0
9 18	1 36.56	+26 10.5	1.241	2.116	17.5	18.7
9 28	1 29.99	+27 14.7	1.184	2.109	14.0	18.5
10 8	1 20.97	+27 50.8	1.146	2.103	10.6	18.3
10 18	1 10.76	+27 56.3	1.132	2.099	8.9	18.2
10 28	1 1.09	+27 33.9	1.140	2.096	10.1	18.2
11 7	0 53.53	+26 52.5	1.171	2.095	13.2	18.4
11 17	0 49.15	+26 3.0	1.223	2.095	16.7	18.6

472544 2015 DJ_{29} 10 13.6 225.°94 0.°5/13.2 16

9 8	1 44.88	+ 7 46.8	1.540	2.388	16.3	21.2
9 18	1 39.43	+ 7 40.2	1.464	2.384	12.4	21.0
9 28	1 31.31	+ 7 22.7	1.410	2.380	7.8	20.7
10 8	1 21.31	+ 6 57.7	1.381	2.376	2.8	20.4
10 18	1 10.57	+ 6 29.9	1.379	2.372	2.6	20.4
10 28	1 0.44	+ 6 5.5	1.404	2.368	7.6	20.7
11 7	0 52.13	+ 5 50.2	1.455	2.363	12.3	20.9
11 17	0 46.46	+ 5 47.8	1.528	2.358	16.3	21.2

295181 2008 FJ_{91} 10 13.6 262.°20 2.°9/11.4 18

9 8	1 41.88	+ 3 29.5	1.503	2.366	15.8	20.9
9 18	1 37.19	+ 2 47.7	1.429	2.359	11.9	20.7
9 28	1 29.90	+ 1 56.9	1.376	2.350	7.5	20.4
10 8	1 20.80	+ 1 3.2	1.349	2.342	3.4	20.1
10 18	1 10.97	+ 0 14.0	1.347	2.334	4.5	20.2
10 28	1 1.74	− 0 23.2	1.373	2.325	9.1	20.4
11 7	0 54.26	− 0 42.8	1.422	2.317	13.5	20.7
11 17	0 49.33	− 0 42.4	1.493	2.308	17.3	20.9

337285 2000 WX_{89} 10 13.6 318.°30 6.°7/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.66	+28 18.6	1.657	2.432	18.4	20.2
9 18	1 34.12	+28 20.1	1.571	2.426	15.6	20.0
9 28	1 28.04	+27 53.0	1.504	2.420	12.2	19.7
10 8	1 20.14	+26 55.9	1.458	2.414	8.9	19.5
10 18	1 11.50	+25 30.7	1.436	2.408	6.8	19.4
10 28	1 3.41	+23 44.8	1.441	2.403	7.7	19.4
11 7	0 57.05	+21 49.4	1.472	2.397	10.8	19.6
11 17	0 53.20	+19 56.2	1.527	2.393	14.3	19.8

386090 2007 OU_{10} 10 13.6 62.°28 12.°1/ 3.3 18

9 8	1 42.36	−20 32.6	1.523	2.381	16.0	19.4
9 18	1 37.03	−22 23.5	1.509	2.405	13.7	19.3
9 28	1 29.40	−23 55.1	1.516	2.430	12.3	19.3
10 8	1 20.46	−24 57.4	1.546	2.455	12.3	19.3
10 18	1 11.38	−25 24.4	1.599	2.479	13.4	19.5
10 28	1 3.35	−25 14.8	1.673	2.504	15.3	19.7
11 7	0 57.25	−24 32.0	1.766	2.529	17.2	19.9
11 17	0 53.57	−23 21.9	1.876	2.553	18.9	20.1

16417 1987 SF_{5} 10 13.6 344.°45 3.°0/15.3 18

9 8	1 38.66	+14 28.9	1.063	1.928	20.8	17.9
9 18	1 35.78	+14 48.5	0.995	1.919	16.4	17.6
9 28	1 29.54	+14 46.8	0.944	1.911	11.2	17.3
10 8	1 20.80	+14 24.3	0.914	1.904	5.6	17.0
10 18	1 10.97	+13 45.2	0.906	1.899	3.4	16.8
10 28	1 1.87	+12 58.3	0.921	1.894	8.6	17.1
11 7	0 55.11	+12 14.3	0.958	1.891	14.2	17.4
11 17	0 51.70	+11 42.1	1.014	1.889	19.1	17.7

197064 2003 UB_{159} 10 13.6 351.°69 1.°2/12.5 18

9 8	1 37.09	+ 5 56.9	1.852	2.708	13.6	19.7
9 18	1 33.09	+ 5 38.9	1.777	2.703	10.3	19.5
9 28	1 27.10	+ 5 12.8	1.726	2.699	6.4	19.2
10 8	1 19.74	+ 4 42.4	1.700	2.695	2.3	19.0
10 18	1 11.86	+ 4 12.3	1.701	2.692	2.7	19.0
10 28	1 4.46	+ 3 47.8	1.730	2.690	6.8	19.2
11 7	0 58.41	+ 3 33.3	1.784	2.688	10.6	19.5
11 17	0 54.36	+ 3 31.5	1.862	2.688	14.0	19.7

250730 2005 SO_{64} 10 13.6 43.°66 0.°2/13.4 18

9 8	1 37.65	+10 6.5	1.885	2.728	14.0	20.8
9 18	1 33.41	+ 9 35.9	1.817	2.734	10.6	20.5
9 28	1 27.22	+ 8 53.4	1.772	2.741	6.6	20.3
10 8	1 19.76	+ 8 2.7	1.753	2.748	2.4	20.1
10 18	1 11.87	+ 7 9.0	1.761	2.755	2.0	20.1
10 28	1 4.53	+ 6 18.6	1.798	2.762	6.2	20.4
11 7	0 58.58	+ 5 37.1	1.861	2.770	10.0	20.6
11 17	0 54.59	+ 5 8.5	1.948	2.777	13.3	20.8

445637 2011 SB_{259} 10 13.6 313.°66 1.°8/12.2 18

9 8	1 39.47	+ 4 41.7	1.718	2.577	14.4	21.0
9 18	1 35.15	+ 4 21.8	1.635	2.562	10.9	20.8
9 28	1 28.55	+ 3 54.0	1.575	2.548	6.8	20.5
10 8	1 20.31	+ 3 22.4	1.539	2.534	2.7	20.2
10 18	1 11.38	+ 2 52.2	1.531	2.521	3.3	20.3
10 28	1 2.89	+ 2 29.3	1.549	2.507	7.7	20.5
11 7	0 55.87	+ 2 18.5	1.593	2.495	11.9	20.7
11 17	0 51.08	+ 2 22.5	1.659	2.482	15.5	20.9

517694 2015 DS_{232} 10 13.6 69.°71 5.°3/ 9.5 18

9 8	1 42.24	− 3 32.2	1.585	2.453	14.9	20.7
9 18	1 36.97	− 4 25.0	1.538	2.468	11.3	20.5
9 28	1 29.46	− 5 17.9	1.514	2.482	7.6	20.3
10 8	1 20.54	− 6 3.5	1.514	2.497	5.4	20.2
10 18	1 11.30	− 6 35.1	1.541	2.511	6.7	20.3
10 28	1 2.87	− 6 47.7	1.595	2.526	9.9	20.6
11 7	0 56.19	− 6 39.5	1.672	2.541	13.3	20.8
11 17	0 51.84	− 6 11.4	1.770	2.555	16.3	21.1

287148 2002 RS_{226} 10 13.6 316.°32 2.°0/11.6 18

9 8	1 36.04	+ 6 55.4	1.712	2.572	14.4	20.4
9 18	1 32.47	+ 5 48.9	1.637	2.565	10.8	20.2
9 28	1 26.79	+ 4 29.6	1.584	2.558	6.7	19.9
10 8	1 19.65	+ 3 3.6	1.557	2.552	2.7	19.7
10 18	1 11.96	+ 1 38.9	1.557	2.545	3.7	19.7
10 28	1 4.76	+ 0 24.1	1.585	2.539	7.9	20.0
11 7	0 59.01	− 0 34.1	1.638	2.533	11.9	20.2
11 17	0 55.35	− 1 11.6	1.713	2.528	15.5	20.4

272231 2005 QL_{89} 10 13.6 25.°18 4.°7/16.8 18

9 8	1 40.61	+18 41.6	1.197	2.037	20.5	19.9
9 18	1 36.78	+19 8.0	1.139	2.044	16.4	19.6
9 28	1 29.87	+19 10.4	1.099	2.053	11.7	19.4
10 8	1 20.84	+18 48.6	1.080	2.062	6.9	19.2
10 18	1 11.07	+18 6.3	1.084	2.073	4.7	19.1
10 28	1 2.20	+17 11.5	1.113	2.084	7.9	19.3
11 7	0 55.58	+16 14.9	1.165	2.096	12.5	19.6
11 17	0 52.02	+15 26.0	1.238	2.108	16.7	19.9

519149 2010 NL_{42} 10 13.6 126°.68 2°.1/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 40.58	+17 21.3	2.618	3.411	11.9	22.0
9 18	1 35.08	+17 12.1	2.546	3.428	9.4	21.8
9 28	1 28.05	+16 50.2	2.498	3.444	6.4	21.7
10 8	1 20.04	+16 17.0	2.477	3.460	3.5	21.5
10 18	1 11.73	+15 35.3	2.486	3.475	2.2	21.4
10 28	1 3.87	+14 49.3	2.525	3.490	4.5	21.6
11 7	0 57.14	+14 3.5	2.593	3.504	7.4	21.8
11 17	0 52.01	+13 22.5	2.688	3.518	10.0	22.0

348351 2005 ER_{113} 10 13.6 200°.52 4°.0/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.66	− 2 45.0	2.198	3.049	11.9	21.3
9 18	1 36.18	− 3 26.8	2.125	3.046	9.0	21.1
9 28	1 28.88	− 4 9.8	2.076	3.043	6.0	20.9
10 8	1 20.38	− 4 49.0	2.056	3.039	4.1	20.7
10 18	1 11.45	− 5 19.4	2.064	3.035	5.1	20.8
10 28	1 2.97	− 5 36.5	2.100	3.030	8.0	21.0
11 7	0 55.75	− 5 37.9	2.163	3.024	11.0	21.2
11 17	0 50.35	− 5 23.0	2.249	3.019	13.7	21.3

395890 2013 AV_{42} 10 13.6 287°.52 4°.5/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.54	− 1 31.9	1.805	2.671	13.5	20.5
9 18	1 34.24	− 2 32.4	1.733	2.663	10.2	20.3
9 28	1 27.86	− 3 36.8	1.684	2.655	6.8	20.1
10 8	1 20.05	− 4 38.2	1.661	2.646	4.6	19.9
10 18	1 11.70	− 5 29.6	1.666	2.638	5.9	20.0
10 28	1 3.84	− 6 4.5	1.697	2.630	9.3	20.2
11 7	0 57.39	− 6 19.4	1.752	2.622	12.7	20.4
11 17	0 53.02	− 6 13.2	1.829	2.614	15.8	20.6

19292 1996 NG_{5} 10 13.6 84°.21 0°.8/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.87	+12 12.2	1.377	2.221	18.1	18.9
9 18	1 39.36	+11 53.5	1.324	2.240	13.8	18.7
9 28	1 31.15	+11 17.8	1.292	2.259	8.8	18.4
10 8	1 21.22	+10 29.1	1.284	2.278	3.5	18.2
10 18	1 10.86	+ 9 33.9	1.303	2.297	2.2	18.1
10 28	1 1.47	+ 8 40.4	1.348	2.315	7.4	18.5
11 7	0 54.18	+ 7 56.2	1.418	2.333	12.0	18.8
11 17	0 49.64	+ 7 26.6	1.510	2.351	15.9	19.1

214752 2006 TR_{71} 10 13.6 96°.13 1°.4/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.86	+15 9.1	1.985	2.809	14.1	20.6
9 18	1 33.55	+14 37.2	1.912	2.814	10.9	20.4
9 28	1 27.32	+13 49.6	1.860	2.820	7.2	20.2
10 8	1 19.83	+12 49.1	1.835	2.826	3.3	20.0
10 18	1 11.91	+11 40.6	1.838	2.831	1.9	19.9
10 28	1 4.51	+10 30.7	1.869	2.837	5.6	20.2
11 7	0 58.45	+ 9 26.4	1.928	2.842	9.4	20.4
11 17	0 54.33	+ 8 32.9	2.011	2.848	12.6	20.6

202964 1999 TH_{15} 10 13.6 161°.32 0°.5/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.45	+ 9 58.0	2.007	2.834	13.8	20.0
9 18	1 38.49	+10 1.9	1.930	2.838	10.6	19.8
9 28	1 30.44	+ 9 56.0	1.877	2.841	6.8	19.5
10 8	1 20.98	+ 9 42.2	1.851	2.844	2.6	19.3
10 18	1 10.99	+ 9 23.8	1.853	2.847	1.8	19.2
10 28	1 1.53	+ 9 4.9	1.885	2.849	5.9	19.5
11 7	0 53.50	+ 8 50.0	1.944	2.851	9.7	19.8
11 17	0 47.57	+ 8 42.9	2.028	2.853	13.0	20.0

482461 2012 GP_{29} 10 13.6 232°.32 0°.2/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.86	+ 9 56.0	2.768	3.594	10.5	22.6
9 18	1 32.36	+ 9 22.2	2.674	3.582	8.0	22.4
9 28	1 26.41	+ 8 39.3	2.604	3.570	5.0	22.2
10 8	1 19.49	+ 7 50.0	2.562	3.557	1.8	21.9
10 18	1 12.16	+ 6 57.9	2.551	3.544	1.6	21.9
10 28	1 5.10	+ 6 7.3	2.570	3.530	4.8	22.1
11 7	0 58.94	+ 5 22.5	2.617	3.516	7.9	22.3
11 17	0 54.19	+ 4 47.0	2.691	3.502	10.6	22.4

312724 2010 RU_{73} 10 13.6 58°.15 0°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.15	+ 9 42.5	1.926	2.767	13.8	21.0
9 18	1 34.54	+ 9 22.2	1.856	2.772	10.5	20.8
9 28	1 27.95	+ 8 51.0	1.809	2.777	6.6	20.6
10 8	1 20.06	+ 8 12.0	1.787	2.782	2.4	20.3
10 18	1 11.73	+ 7 30.0	1.794	2.787	1.9	20.3
10 28	1 3.92	+ 6 50.3	1.829	2.793	6.1	20.6
11 7	0 57.51	+ 6 18.2	1.890	2.798	9.9	20.9
11 17	0 53.07	+ 5 57.5	1.976	2.804	13.2	21.1

306003 2009 WM_{32} 10 13.6 27°.45 2°.0/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 30.84	− 0 30.2	3.951	4.800	7.1	20.2
9 18	1 27.39	− 1 3.1	3.881	4.803	5.3	20.1
9 28	1 23.08	− 1 37.4	3.838	4.807	3.4	20.0
10 8	1 18.22	− 2 10.6	3.823	4.810	2.1	19.9
10 18	1 13.18	− 2 40.0	3.838	4.814	2.7	19.9
10 28	1 8.35	− 3 3.3	3.884	4.818	4.5	20.1
11 7	1 4.11	− 3 18.8	3.957	4.822	6.3	20.2
11 17	1 0.76	− 3 25.2	4.055	4.826	8.0	20.3

72490 2001 DW_{46} 10 13.6 324°.71 2°.9/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.77	+15 58.5	1.210	2.063	19.5	19.0
9 18	1 34.86	+15 58.5	1.131	2.049	15.5	18.7
9 28	1 28.88	+15 35.3	1.071	2.035	10.6	18.4
10 8	1 20.59	+14 50.0	1.033	2.022	5.4	18.0
10 18	1 11.24	+13 47.3	1.017	2.010	3.2	17.9
10 28	1 2.46	+12 36.6	1.026	1.999	8.1	18.1
11 7	0 55.74	+11 29.5	1.058	1.989	13.5	18.4
11 17	0 52.08	+10 35.7	1.110	1.979	18.3	18.7

374867 2006 VG_{67} 10 13.6 1°.37 3°.1/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.86	+ 3 25.6	0.957	1.854	19.8	19.6
9 18	1 34.35	+ 3 6.7	0.904	1.851	15.0	19.3
9 28	1 28.54	+ 2 37.9	0.868	1.849	9.4	19.0
10 8	1 20.41	+ 2 6.6	0.853	1.849	4.0	18.8
10 18	1 11.46	+ 1 41.1	0.860	1.851	5.0	18.8
10 28	1 3.45	+ 1 30.0	0.889	1.854	10.6	19.2
11 7	0 57.85	+ 1 38.5	0.939	1.859	16.0	19.5
11 17	0 55.47	+ 2 8.2	1.006	1.866	20.5	19.8

319293 2006 BG_{91} 10 13.6 155°.75 1°.0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.34	+ 6 49.8	2.762	3.598	10.2	21.5
9 18	1 31.85	+ 6 9.5	2.688	3.603	7.6	21.4
9 28	1 26.02	+ 5 22.3	2.639	3.608	4.7	21.2
10 8	1 19.32	+ 4 31.6	2.618	3.613	1.7	21.0
10 18	1 12.33	+ 3 41.3	2.627	3.617	2.1	21.0
10 28	1 5.70	+ 2 55.6	2.666	3.621	5.1	21.2
11 7	1 0.00	+ 2 18.2	2.734	3.625	7.9	21.4
11 17	0 55.67	+ 1 51.6	2.827	3.628	10.4	21.6

204927 2008 TM_{52} 10 13.6 36°.66 0°.6/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 30.24	+ 6 36.4	4.251	5.084	7.0	20.6
9 18	1 26.91	+ 6 9.1	4.172	5.086	5.2	20.5
9 28	1 22.77	+ 5 37.7	4.119	5.088	3.2	20.3
10 8	1 18.11	+ 5 4.1	4.095	5.090	1.1	20.2
10 18	1 13.27	+ 4 30.5	4.101	5.092	1.3	20.2
10 28	1 8.63	+ 3 59.4	4.138	5.094	3.4	20.3
11 7	1 4.51	+ 3 32.9	4.204	5.096	5.4	20.5
11 17	1 1.23	+ 3 12.7	4.296	5.098	7.1	20.6

382081 2011 FV_{54} 10 13.6 190°.65 1°.3/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.83	+ 7 5.8	1.856	2.700	14.1	21.8
9 18	1 36.66	+ 6 27.9	1.780	2.699	10.6	21.6
9 28	1 29.35	+ 5 39.7	1.727	2.698	6.6	21.3
10 8	1 20.60	+ 4 45.6	1.701	2.696	2.4	21.1
10 18	1 11.31	+ 3 51.3	1.703	2.694	2.8	21.1
10 28	1 2.56	+ 3 3.4	1.734	2.691	7.1	21.4
11 7	0 55.27	+ 2 27.2	1.791	2.688	11.0	21.6
11 17	0 50.12	+ 2 6.3	1.872	2.685	14.4	21.8

404673 2014 HP_{157} 10 13.6 78°.85 3°.8/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.72	+ 0 3.4	1.850	2.713	13.3	21.3
9 18	1 34.22	− 0 54.1	1.787	2.716	10.0	21.1
9 28	1 27.75	− 1 56.0	1.748	2.719	6.4	20.9
10 8	1 19.99	− 2 55.9	1.735	2.722	3.9	20.7
10 18	1 11.81	− 3 47.2	1.749	2.726	5.2	20.8
10 28	1 4.19	− 4 24.0	1.791	2.729	8.5	21.0
11 7	0 57.99	− 4 42.7	1.858	2.732	11.9	21.2
11 17	0 53.78	− 4 42.2	1.946	2.735	14.8	21.5

469607 2004 GX_{53} 10 13.6 79°.87 0°.3/13.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.05	+14 51.8	1.516	2.355	17.0	21.7
9 18	1 34.77	+13 32.8	1.459	2.373	12.9	21.5
9 28	1 28.18	+11 52.6	1.423	2.390	8.2	21.2
10 8	1 20.14	+ 9 57.9	1.413	2.408	3.1	21.0
10 18	1 11.73	+ 7 58.2	1.431	2.425	2.1	20.9
10 28	1 4.15	+ 6 5.1	1.477	2.442	7.1	21.3
11 7	0 58.33	+ 4 28.0	1.548	2.459	11.5	21.6
11 17	0 54.86	+ 3 13.2	1.643	2.476	15.2	21.9

402196 2004 TX_{218} 10 13.6 352°.79 1°.5/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.39	+11 44.7	1.770	2.607	15.0	20.4
9 18	1 35.80	+12 4.7	1.692	2.603	11.6	20.1
9 28	1 28.94	+12 13.2	1.635	2.599	7.7	19.9
10 8	1 20.49	+12 11.6	1.604	2.596	3.4	19.6
10 18	1 11.40	+12 2.3	1.600	2.594	2.1	19.5
10 28	1 2.80	+11 49.6	1.624	2.592	6.2	19.8
11 7	0 55.69	+11 38.4	1.673	2.591	10.3	20.0
11 17	0 50.82	+11 33.4	1.746	2.591	13.9	20.3

356580 2011 SO_{252} 10 13.6 339°.68 1°.5/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.80	+ 7 11.4	1.735	2.590	14.4	21.1
9 18	1 33.76	+ 6 26.5	1.662	2.588	10.8	20.8
9 28	1 27.59	+ 5 30.3	1.613	2.586	6.7	20.6
10 8	1 19.98	+ 4 27.9	1.588	2.584	2.5	20.3
10 18	1 11.84	+ 3 25.7	1.592	2.582	3.0	20.4
10 28	1 4.23	+ 2 31.0	1.622	2.581	7.3	20.6
11 7	0 58.10	+ 1 49.8	1.678	2.579	11.4	20.9
11 17	0 54.07	+ 1 25.6	1.757	2.578	14.9	21.1

147750 2005 NB_{122} 10 13.6 42°.29 1°.3/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.98	+ 7 12.1	1.786	2.639	14.2	20.4
9 18	1 33.75	+ 6 33.6	1.722	2.646	10.6	20.2
9 28	1 27.49	+ 5 45.0	1.681	2.654	6.6	19.9
10 8	1 19.92	+ 4 50.9	1.666	2.661	2.4	19.7
10 18	1 11.93	+ 3 57.5	1.678	2.669	2.8	19.7
10 28	1 4.53	+ 3 10.9	1.718	2.678	6.9	20.0
11 7	0 58.58	+ 2 36.6	1.784	2.686	10.8	20.3
11 17	0 54.67	+ 2 17.5	1.873	2.695	14.1	20.5

352251 2007 TV_{169} 10 13.6 322°.41 3°.4/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.16	+ 1 31.5	1.533	2.403	15.2	20.6
9 18	1 35.16	+ 0 58.1	1.455	2.388	11.5	20.3
9 28	1 28.70	+ 0 18.3	1.400	2.374	7.3	20.0
10 8	1 20.47	− 0 22.0	1.369	2.361	3.8	19.8
10 18	1 11.49	− 0 55.8	1.364	2.348	4.9	19.8
10 28	1 3.02	− 1 16.7	1.384	2.336	9.1	20.1
11 7	0 56.18	− 1 20.2	1.429	2.324	13.4	20.3
11 17	0 51.76	− 1 4.2	1.495	2.313	17.2	20.5

355435 2007 VD_{60} 10 13.6 311°.91 6°.2/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.97	+26 25.4	1.655	2.444	17.9	20.5
9 18	1 33.00	+26 25.8	1.555	2.421	15.1	20.2
9 28	1 27.49	+25 58.7	1.474	2.399	11.7	20.0
10 8	1 20.08	+25 2.3	1.414	2.377	8.3	19.7
10 18	1 11.75	+23 38.1	1.379	2.356	6.2	19.5
10 28	1 3.79	+21 52.9	1.370	2.335	7.6	19.6
11 7	0 57.42	+19 57.7	1.386	2.314	11.1	19.7
11 17	0 53.54	+18 4.7	1.426	2.294	15.0	19.9

273724 2007 EA_{92} 10 13.6 340°.17 1°.6/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.41	+12 58.5	1.119	1.989	19.6	20.0
9 18	1 33.18	+12 54.9	1.045	1.975	15.3	19.7
9 28	1 27.88	+12 30.2	0.991	1.962	10.1	19.4
10 8	1 20.27	+11 47.1	0.956	1.950	4.4	19.0
10 18	1 11.63	+10 51.3	0.945	1.940	2.6	18.9
10 28	1 3.60	+ 9 52.9	0.957	1.931	8.4	19.2
11 7	0 57.68	+ 9 2.4	0.991	1.923	14.0	19.5
11 17	0 54.83	+ 8 28.0	1.044	1.917	18.9	19.8

281465 2008 SF_{177} 10 13.6 358°.43 3°.4/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.82	+ 2 24.0	1.273	2.153	17.1	20.0
9 18	1 35.17	+ 1 51.4	1.212	2.150	12.8	19.7
9 28	1 28.77	+ 1 11.1	1.171	2.147	8.1	19.5
10 8	1 20.49	+ 0 30.0	1.153	2.146	3.9	19.2
10 18	1 11.52	− 0 4.3	1.160	2.146	5.0	19.3
10 28	1 3.30	− 0 24.5	1.191	2.147	9.7	19.6
11 7	0 57.04	− 0 25.8	1.245	2.149	14.3	19.8
11 17	0 53.49	− 0 6.9	1.319	2.152	18.2	20.1

182830 2002 BS_{23} 10 13.6 322°.20 4°.5/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.78	− 3 14.8	1.808	2.672	13.6	20.1
9 18	1 35.97	− 3 43.8	1.734	2.661	10.3	19.9
9 28	1 28.99	− 4 13.4	1.683	2.652	6.9	19.7
10 8	1 20.52	− 4 38.0	1.657	2.642	4.6	19.5
10 18	1 11.48	− 4 52.0	1.659	2.633	5.7	19.6
10 28	1 2.95	− 4 51.1	1.687	2.624	9.0	19.7
11 7	0 55.87	− 4 32.8	1.741	2.616	12.5	19.9
11 17	0 50.92	− 3 57.1	1.816	2.608	15.6	20.1

4085 Weir 10 13.6 166°.85 6°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.40	− 8 20.1	2.017	2.871	12.7	16.8
9 18	1 37.58	− 9 9.5	1.957	2.874	9.9	16.6
9 28	1 29.80	− 9 55.5	1.921	2.877	7.3	16.4
10 8	1 20.76	−10 31.7	1.911	2.879	6.0	16.4
10 18	1 11.34	−10 52.6	1.929	2.881	7.2	16.5
10 28	1 2.51	−10 54.5	1.975	2.883	9.7	16.6
11 7	0 55.12	−10 36.3	2.045	2.884	12.5	16.8
11 17	0 49.75	− 9 59.0	2.137	2.885	15.0	17.0

370558 2003 UU_{111} 10 13.6 324°.87 4°.3/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.61	+17 16.4	1.285	2.122	19.6	20.9
9 18	1 38.44	+17 49.4	1.209	2.114	15.7	20.6
9 28	1 31.13	+18 2.1	1.151	2.107	11.1	20.3
10 8	1 21.45	+17 53.5	1.115	2.099	6.5	20.0
10 18	1 10.71	+17 25.5	1.103	2.093	4.4	19.9
10 28	1 0.57	+16 44.4	1.117	2.087	8.1	20.1
11 7	0 52.56	+15 59.8	1.153	2.081	12.9	20.4
11 17	0 47.66	+15 20.6	1.211	2.076	17.4	20.6

483527 2003 ST_{344} 10 13.6 355°.72 7°.2/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.15	+28 34.0	2.059	2.809	16.1	21.4
9 18	1 36.42	+29 27.4	1.974	2.807	13.7	21.2
9 28	1 29.40	+30 0.8	1.909	2.805	11.1	21.0
10 8	1 20.72	+30 11.3	1.867	2.804	8.7	20.9
10 18	1 11.30	+29 58.3	1.850	2.804	7.3	20.8
10 28	1 2.28	+29 24.6	1.860	2.803	7.8	20.8
11 7	0 54.72	+28 36.4	1.895	2.803	9.9	21.0
11 17	0 49.37	+27 41.4	1.955	2.804	12.4	21.1

432256 2009 RE_{48} 10 13.6 13°.26 0°.4/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 34.14	+10 8.2	0.940	1.830	20.7	19.8
9 18	1 32.24	+ 9 41.6	0.893	1.835	15.7	19.5
9 28	1 27.16	+ 8 54.8	0.864	1.842	9.9	19.3
10 8	1 19.93	+ 7 54.4	0.855	1.851	3.5	18.9
10 18	1 12.02	+ 6 50.2	0.867	1.862	3.0	18.9
10 28	1 5.12	+ 5 53.7	0.903	1.874	9.2	19.4
11 7	1 0.57	+ 5 14.2	0.959	1.888	14.6	19.7
11 17	0 59.08	+ 4 56.7	1.033	1.904	19.2	20.0

155588 2000 AQ_{209} 10 13.6 171°.50 4°.6/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.90	− 6 1.6	2.412	3.267	10.9	20.2
9 18	1 33.95	− 6 48.0	2.347	3.268	8.4	20.0
9 28	1 27.43	− 7 33.1	2.308	3.269	5.9	19.9
10 8	1 19.89	− 8 12.0	2.296	3.270	4.7	19.8
10 18	1 12.03	− 8 39.9	2.312	3.270	5.7	19.8
10 28	1 4.60	− 8 53.3	2.356	3.271	8.0	20.0
11 7	0 58.28	− 8 50.5	2.426	3.271	10.5	20.2
11 17	0 53.57	− 8 31.3	2.519	3.271	12.8	20.3

67678 2000 SQ_{287} 10 13.6 303°.08 8°.2/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.88	+27 38.4	1.625	2.401	18.7	17.8
9 18	1 37.00	+28 29.1	1.526	2.378	16.1	17.6
9 28	1 30.23	+28 56.3	1.444	2.355	13.0	17.3
10 8	1 21.17	+28 55.7	1.384	2.333	10.0	17.1
10 18	1 10.89	+28 25.4	1.347	2.310	8.3	16.9
10 28	1 0.86	+27 28.4	1.335	2.288	9.2	16.9
11 7	0 52.55	+26 13.3	1.348	2.267	12.2	17.1
11 17	0 47.04	+24 51.3	1.383	2.245	15.8	17.2

303122 2004 CF_{45} 10 13.6 280°.16 1°.8/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.69	+ 4 35.5	1.881	2.732	13.7	20.9
9 18	1 35.89	+ 4 13.1	1.798	2.722	10.3	20.7
9 28	1 28.96	+ 3 43.3	1.739	2.711	6.4	20.5
10 8	1 20.54	+ 3 10.3	1.706	2.700	2.6	20.2
10 18	1 11.50	+ 2 38.8	1.700	2.690	3.2	20.2
10 28	1 2.89	+ 2 14.2	1.723	2.679	7.2	20.4
11 7	0 55.67	+ 2 1.0	1.772	2.668	11.1	20.7
11 17	0 50.54	+ 2 1.8	1.844	2.658	14.6	20.9

366247 2012 XW_{16} 10 13.6 232°.74 21°.9/22.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.31	−40 42.8	1.256	2.046	22.5	20.7
9 18	1 45.96	−43 1.1	1.242	2.043	22.0	20.7
9 28	1 35.69	−44 38.2	1.243	2.040	22.0	20.7
10 8	1 22.96	−45 21.0	1.259	2.036	22.6	20.7
10 18	1 9.77	−45 3.2	1.289	2.032	23.6	20.8
10 28	0 58.23	−43 46.2	1.331	2.028	24.9	20.9
11 7	0 49.84	−41 38.8	1.385	2.024	26.1	21.0
11 17	0 45.25	−38 52.4	1.449	2.020	27.3	21.2

216477 1999 TD_{25} 10 13.6 329°.24 1°.4/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.41	+12 35.0	1.125	1.995	19.5	19.9
9 18	1 34.04	+12 32.1	1.046	1.976	15.3	19.6
9 28	1 28.51	+12 8.7	0.986	1.958	10.1	19.3
10 8	1 20.55	+11 27.0	0.947	1.940	4.3	18.9
10 18	1 11.43	+10 32.6	0.930	1.924	2.6	18.7
10 28	1 2.84	+ 9 35.3	0.937	1.910	8.6	19.1
11 7	0 56.34	+ 8 45.8	0.965	1.896	14.4	19.3
11 17	0 53.01	+ 8 12.5	1.013	1.884	19.5	19.6

266180 2006 VD_{43} 10 13.6 268°.00 2°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.07	+ 3 15.4	1.501	2.361	16.0	20.6
9 18	1 38.89	+ 2 54.3	1.428	2.355	12.1	20.4
9 28	1 31.05	+ 2 25.9	1.376	2.349	7.6	20.1
10 8	1 21.34	+ 1 55.4	1.348	2.342	3.3	19.8
10 18	1 10.88	+ 1 28.7	1.348	2.336	4.1	19.9
10 28	1 1.05	+ 1 12.1	1.374	2.329	8.7	20.1
11 7	0 53.03	+ 1 10.1	1.424	2.323	13.2	20.4
11 17	0 47.63	+ 1 24.8	1.496	2.317	17.1	20.6

99985 1981 EJ_{25} 10 13.6 143°.86 0°.5/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.98	+ 9 46.5	1.912	2.748	14.1	20.6
9 18	1 36.64	+ 9 6.2	1.844	2.758	10.6	20.4
9 28	1 29.28	+ 8 13.7	1.799	2.767	6.7	20.2
10 8	1 20.60	+ 7 13.3	1.781	2.776	2.4	19.9
10 18	1 11.50	+ 6 10.8	1.791	2.784	2.2	19.9
10 28	1 3.01	+ 5 12.6	1.831	2.792	6.4	20.2
11 7	0 55.99	+ 4 24.7	1.897	2.799	10.3	20.5
11 17	0 51.03	+ 3 50.9	1.988	2.805	13.5	20.7

213996 2004 BC_{76} 10 13.6 259°.89 4°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.37	+22 27.8	2.001	2.790	15.3	20.3
9 18	1 34.96	+22 31.3	1.912	2.783	12.5	20.1
9 28	1 28.41	+22 15.3	1.843	2.777	9.2	19.9
10 8	1 20.35	+21 39.5	1.799	2.770	6.0	19.7
10 18	1 11.65	+20 46.0	1.781	2.763	4.4	19.5
10 28	1 3.37	+19 40.4	1.791	2.756	6.1	19.6
11 7	0 56.48	+18 29.9	1.829	2.749	9.4	19.8
11 17	0 51.68	+17 22.2	1.891	2.742	12.7	20.0

211721 2003 YF_{40} 10 13.6 219°.22 3°.0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 39.65	+ 1 31.8	1.980	2.835	12.9	20.9
9 18	1 34.90	+ 0 47.3	1.907	2.833	9.7	20.7
9 28	1 28.21	− 0 2.5	1.858	2.830	6.1	20.5
10 8	1 20.23	− 0 52.2	1.836	2.827	3.3	20.3
10 18	1 11.78	− 1 36.2	1.842	2.824	4.3	20.4
10 28	1 3.81	− 2 9.0	1.877	2.821	7.7	20.6
11 7	0 57.17	− 2 26.7	1.937	2.817	11.2	20.8
11 17	0 52.45	− 2 27.7	2.020	2.814	14.2	21.0

253461 2003 SL_{9} 10 13.6 31°.85 1°.1/14.4 16

9 8	1 36.90	+14 17.7	0.916	1.794	22.2	19.8
9 18	1 34.24	+13 37.3	0.878	1.812	17.0	19.6
9 28	1 28.30	+12 30.3	0.857	1.831	10.9	19.4
10 8	1 20.30	+11 4.2	0.857	1.851	4.4	19.1
10 18	1 11.82	+ 9 30.5	0.879	1.873	2.6	19.1
10 28	1 4.57	+ 8 3.2	0.923	1.896	8.7	19.5
11 7	0 59.83	+ 6 53.8	0.989	1.920	14.2	19.9
11 17	0 58.20	+ 6 8.4	1.075	1.945	18.7	20.3

251272 2006 WQ_{39} 10 13.6 47°.92 1°.5/12.2 18

9 8	1 38.17	+ 6 28.3	1.845	2.698	13.8	20.7
9 18	1 33.85	+ 5 48.9	1.780	2.705	10.3	20.5
9 28	1 27.56	+ 5 0.2	1.738	2.711	6.4	20.3
10 8	1 19.98	+ 4 7.0	1.722	2.718	2.4	20.0
10 18	1 11.99	+ 3 15.0	1.734	2.724	2.9	20.1
10 28	1 4.56	+ 2 30.4	1.774	2.731	6.9	20.3
11 7	0 58.54	+ 1 58.1	1.839	2.738	10.7	20.6
11 17	0 54.51	+ 1 41.1	1.928	2.746	13.9	20.8

287040 2002 QS_{115} 10 13.6 337°.02 2°.9/15.8 18

9 8	1 39.68	+15 59.4	1.603	2.434	16.6	20.9
9 18	1 35.57	+16 10.8	1.524	2.427	13.1	20.7
9 28	1 28.98	+16 4.9	1.464	2.421	9.1	20.5
10 8	1 20.60	+15 42.6	1.429	2.416	4.8	20.2
10 18	1 11.47	+15 7.0	1.419	2.410	3.1	20.1
10 28	1 2.85	+14 23.9	1.436	2.406	6.7	20.3
11 7	0 55.88	+13 40.9	1.478	2.402	11.0	20.5
11 17	0 51.35	+13 4.8	1.543	2.398	14.9	20.8

387555 2001 QH_{85} 10 13.6 78°.58 3°.1/16.2 18

9 8	1 46.65	+17 8.3	1.948	2.749	15.2	20.6
9 18	1 40.07	+17 32.1	1.892	2.777	11.9	20.4
9 28	1 31.37	+17 40.6	1.858	2.804	8.3	20.3
10 8	1 21.34	+17 34.5	1.850	2.832	4.7	20.1
10 18	1 10.98	+17 16.0	1.871	2.859	3.2	20.1
10 28	1 1.36	+16 49.6	1.921	2.886	5.8	20.3
11 7	0 53.39	+16 21.1	1.998	2.912	9.1	20.5
11 17	0 47.65	+15 55.6	2.101	2.938	12.1	20.8

456748 2007 TA_{51} 10 13.6 301°.11 0°.7/14.5 17

9 8	1 34.26	+13 28.8	2.590	3.412	11.3	21.2
9 18	1 30.52	+12 52.3	2.503	3.406	8.6	21.0
9 28	1 25.33	+12 4.0	2.439	3.401	5.6	20.8
10 8	1 19.16	+11 6.4	2.403	3.396	2.3	20.6
10 18	1 12.63	+10 3.6	2.397	3.391	1.4	20.5
10 28	1 6.41	+ 9 0.5	2.420	3.386	4.7	20.8
11 7	1 1.15	+ 8 2.1	2.471	3.381	7.8	21.0
11 17	0 57.32	+ 7 12.6	2.548	3.376	10.6	21.1

21502 Cruz 10 13.6 45°.15 2°.6/11.6 18

9 8	1 39.60	+ 4 22.2	1.502	2.368	15.7	18.1
9 18	1 35.25	+ 3 36.4	1.447	2.378	11.7	17.9
9 28	1 28.56	+ 2 41.8	1.413	2.388	7.3	17.7
10 8	1 20.37	+ 1 44.9	1.405	2.399	3.2	17.5
10 18	1 11.73	+ 0 52.8	1.423	2.410	4.1	17.5
10 28	1 3.84	+ 0 12.8	1.467	2.421	8.4	17.8
11 7	0 57.69	− 0 10.4	1.535	2.433	12.5	18.1
11 17	0 53.90	− 0 14.7	1.625	2.445	15.9	18.4

508984 2005 EF_{69} 10 13.6 164°.54 1°.0/14.6 18

9 8	1 42.31	+12 35.8	2.459	3.271	12.1	22.2
9 18	1 36.56	+12 29.5	2.379	3.277	9.3	22.0
9 28	1 29.12	+12 12.7	2.323	3.282	6.1	21.8
10 8	1 20.54	+11 47.3	2.295	3.286	2.6	21.6
10 18	1 11.57	+11 16.2	2.297	3.290	1.6	21.5
10 28	1 3.01	+10 43.4	2.329	3.293	4.9	21.7
11 7	0 55.61	+10 13.3	2.390	3.296	8.2	22.0
11 17	0 49.92	+ 9 49.5	2.476	3.298	11.0	22.1

454604 2014 QJ_{15} 10 13.6 336°.32 5°.8/19.4 17

9 8	1 34.98	+25 52.7	1.827	2.612	16.6	20.1
9 18	1 31.93	+25 59.7	1.736	2.599	13.9	19.9
9 28	1 26.64	+25 42.9	1.664	2.587	10.8	19.6
10 8	1 19.75	+25 1.4	1.615	2.576	7.6	19.4
10 18	1 12.15	+23 57.0	1.590	2.565	5.8	19.3
10 28	1 4.97	+22 35.4	1.593	2.556	6.9	19.4
11 7	0 59.23	+21 5.6	1.621	2.547	10.0	19.5
11 17	0 55.69	+19 36.8	1.673	2.538	13.3	19.7

28449 Ericlau 10 13.6 310°.59 0°.6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.71	+12 39.6	1.733	2.573	15.1	18.7
9 18	1 33.82	+12 7.3	1.653	2.567	11.6	18.4
9 28	1 27.74	+11 19.0	1.594	2.560	7.5	18.2
10 8	1 20.12	+10 17.9	1.561	2.554	3.0	17.9
10 18	1 11.90	+ 9 9.8	1.554	2.548	1.9	17.8
10 28	1 4.16	+ 8 2.2	1.576	2.543	6.5	18.1
11 7	0 57.90	+ 7 2.7	1.623	2.537	10.8	18.4
11 17	0 53.81	+ 6 17.0	1.693	2.532	14.5	18.6

231588 2008 UH_{277} 10 13.6 94°.34 0°.3/13.4 18

9 8	1 42.27	+ 9 50.6	1.763	2.603	14.9	20.9
9 18	1 36.93	+ 9 20.3	1.706	2.621	11.3	20.7
9 28	1 29.47	+ 8 37.8	1.671	2.639	7.0	20.5
10 8	1 20.68	+ 7 47.4	1.662	2.657	2.5	20.3
10 18	1 11.53	+ 6 54.7	1.681	2.674	2.1	20.3
10 28	1 3.11	+ 6 6.1	1.728	2.691	6.5	20.6
11 7	0 56.29	+ 5 27.3	1.802	2.708	10.4	20.9
11 17	0 51.67	+ 5 2.0	1.900	2.725	13.8	21.2

459491 2013 CC_{128} 10 13.6 123°.21 1°.9/12.2 17

9 8	1 47.85	+ 6 23.4	1.500	2.348	16.7	22.2
9 18	1 41.38	+ 5 38.2	1.447	2.368	12.5	22.0
9 28	1 32.36	+ 4 42.1	1.415	2.386	7.7	21.8
10 8	1 21.73	+ 3 41.3	1.410	2.404	2.9	21.6
10 18	1 10.73	+ 2 43.1	1.432	2.421	3.5	21.6
10 28	1 0.68	+ 1 55.2	1.482	2.438	8.2	22.0
11 7	0 52.64	+ 1 23.0	1.557	2.453	12.5	22.3
11 17	0 47.24	+ 1 9.2	1.655	2.467	16.1	22.5

356191 2009 KO_{22} 10 13.6 159°.45 1°.4/15.4 18

9 8	1 38.13	+16 29.4	2.445	3.250	12.3	21.6
9 18	1 33.45	+15 49.6	2.364	3.256	9.6	21.5
9 28	1 27.17	+14 55.3	2.307	3.261	6.4	21.3
10 8	1 19.84	+13 49.1	2.277	3.266	3.1	21.1
10 18	1 12.17	+12 35.2	2.277	3.270	1.7	21.0
10 28	1 4.92	+11 19.3	2.308	3.274	4.8	21.2
11 7	0 58.78	+10 7.4	2.367	3.278	8.0	21.4
11 17	0 54.27	+ 9 4.5	2.452	3.281	10.9	21.6

150233 1998 XM_{8} 10 13.6 270°.52 0°.1/13.6 18

9 8	1 40.25	+10 47.4	1.643	2.488	15.6	20.5
9 18	1 35.97	+10 15.8	1.555	2.473	12.0	20.2
9 28	1 29.24	+ 9 28.6	1.489	2.458	7.7	20.0
10 8	1 20.73	+ 8 29.4	1.447	2.442	2.8	19.6
10 18	1 11.42	+ 7 24.0	1.433	2.427	2.3	19.6
10 28	1 2.54	+ 6 20.5	1.446	2.411	7.3	19.8
11 7	0 55.23	+ 5 26.6	1.485	2.395	11.9	20.1
11 17	0 50.30	+ 4 48.3	1.546	2.379	15.9	20.3

223461 2003 UU_{93} 10 13.6 301°.94 0°.5/14.1 17

9 8	1 34.93	+13 27.0	2.165	2.995	12.9	20.3
9 18	1 31.47	+12 37.7	2.059	2.968	9.9	20.1
9 28	1 26.18	+11 32.4	1.976	2.940	6.5	19.8
10 8	1 19.56	+10 13.9	1.920	2.913	2.6	19.5
10 18	1 12.33	+ 8 47.5	1.892	2.886	1.7	19.4
10 28	1 5.35	+ 7 20.1	1.893	2.858	5.8	19.6
11 7	0 59.46	+ 5 59.2	1.922	2.831	9.7	19.8
11 17	0 55.32	+ 4 51.0	1.975	2.804	13.2	20.0

513836 2013 FT_{3} 10 13.6 104°.88 6°.1/ 6.1 18

9 8	1 37.61	− 9 55.1	2.388	3.245	10.9	21.6
9 18	1 32.92	−11 20.3	2.346	3.262	8.6	21.5
9 28	1 26.75	−12 41.3	2.330	3.278	6.7	21.4
10 8	1 19.66	−13 51.5	2.341	3.295	6.1	21.4
10 18	1 12.34	−14 45.7	2.380	3.311	7.3	21.5
10 28	1 5.53	−15 19.9	2.446	3.326	9.3	21.7
11 7	0 59.86	−15 33.0	2.536	3.342	11.4	21.8
11 17	0 55.76	−15 25.8	2.647	3.357	13.3	22.0

221840 2008 FH_{30} 10 13.6 101°.50 2°.0/12.1 18

9 8	1 44.10	+ 5 30.1	1.574	2.427	15.8	21.0
9 18	1 38.49	+ 4 50.6	1.520	2.444	11.8	20.8
9 28	1 30.53	+ 4 1.9	1.488	2.460	7.3	20.5
10 8	1 21.09	+ 3 9.6	1.481	2.476	2.9	20.3
10 18	1 11.25	+ 2 20.4	1.502	2.492	3.5	20.4
10 28	1 2.25	+ 1 41.0	1.551	2.507	7.9	20.7
11 7	0 55.05	+ 1 16.3	1.625	2.522	12.0	21.0
11 17	0 50.28	+ 1 8.7	1.721	2.536	15.4	21.2

288159 2003 WK_{134} 10 13.6 357°.22 3°.2/16.2 17

9 8	1 37.16	+18 34.8	1.223	2.068	19.9	19.8
9 18	1 34.24	+18 14.6	1.155	2.065	15.8	19.5
9 28	1 28.38	+17 27.0	1.104	2.064	11.0	19.3
10 8	1 20.44	+16 14.0	1.075	2.063	5.8	19.0
10 18	1 11.70	+14 42.3	1.070	2.062	3.4	18.9
10 28	1 3.70	+13 3.4	1.090	2.063	7.7	19.1
11 7	0 57.78	+11 30.2	1.133	2.064	12.8	19.4
11 17	0 54.75	+10 13.1	1.197	2.066	17.3	19.7

405285 2003 SV_{424} 10 13.6 242°.50 3°.6/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 42.34	+19 46.1	2.553	3.333	12.6	21.4
9 18	1 36.79	+20 15.7	2.457	3.325	10.2	21.2
9 28	1 29.40	+20 32.7	2.384	3.317	7.4	21.0
10 8	1 20.72	+20 36.5	2.337	3.308	4.8	20.9
10 18	1 11.46	+20 27.9	2.319	3.300	3.6	20.8
10 28	1 2.46	+20 9.4	2.330	3.291	5.2	20.9
11 7	0 54.55	+19 45.4	2.371	3.282	8.0	21.0
11 17	0 48.36	+19 20.4	2.437	3.273	10.7	21.2

151387 2002 EF_{68} 10 13.6 120°.75 0°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.30	+10 48.0	2.262	3.093	12.4	20.4
9 18	1 33.68	+10 26.0	2.187	3.097	9.4	20.2
9 28	1 27.37	+ 9 53.4	2.136	3.101	6.0	20.0
10 8	1 19.93	+ 9 13.3	2.111	3.105	2.3	19.7
10 18	1 12.11	+ 8 29.5	2.116	3.109	1.6	19.7
10 28	1 4.72	+ 7 46.8	2.149	3.113	5.3	20.0
11 7	0 58.50	+ 7 10.0	2.210	3.117	8.7	20.2
11 17	0 53.99	+ 6 42.7	2.296	3.121	11.7	20.4

225227 2008 TO_{65} 10 13.6 325°.62 0°.8/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 30.59	+14 3.2	4.093	4.900	7.7	19.9
9 18	1 27.29	+13 43.1	4.002	4.896	5.9	19.7
9 28	1 23.10	+13 15.7	3.936	4.892	3.9	19.6
10 8	1 18.33	+12 42.6	3.899	4.888	1.8	19.4
10 18	1 13.35	+12 5.7	3.891	4.884	1.1	19.4
10 28	1 8.56	+11 27.5	3.914	4.881	3.0	19.5
11 7	1 4.32	+10 50.7	3.967	4.877	5.1	19.7
11 17	1 0.97	+10 17.8	4.047	4.873	7.0	19.8

389362 2009 VG_{5} 10 13.6 307°.80 0°.2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 31.55	+ 8 0.7	4.124	4.951	7.3	21.5
9 18	1 27.97	+ 7 44.9	4.035	4.945	5.5	21.3
9 28	1 23.52	+ 7 24.6	3.972	4.939	3.4	21.2
10 8	1 18.49	+ 7 1.3	3.938	4.933	1.2	21.0
10 18	1 13.24	+ 6 37.1	3.934	4.926	1.1	21.0
10 28	1 8.16	+ 6 14.2	3.960	4.920	3.3	21.2
11 7	1 3.65	+ 5 54.7	4.016	4.914	5.4	21.3
11 17	0 59.99	+ 5 40.5	4.099	4.908	7.3	21.4

254499 2005 EB_{52} 10 13.6 236°.77 0°.9/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.51	+11 52.1	1.694	2.526	15.8	21.7
9 18	1 39.16	+11 44.2	1.606	2.515	12.2	21.5
9 28	1 31.26	+11 22.1	1.539	2.503	8.0	21.2
10 8	1 21.49	+10 47.8	1.497	2.490	3.3	20.9
10 18	1 10.87	+10 5.4	1.483	2.477	2.1	20.8
10 28	1 0.71	+ 9 21.3	1.498	2.464	6.9	21.0
11 7	0 52.17	+ 8 42.5	1.538	2.450	11.5	21.3
11 17	0 46.10	+ 8 14.6	1.602	2.435	15.5	21.5

186048 2001 SV_{23} 10 13.6 74°.47 0°.9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.45	+11 27.4	1.880	2.710	14.5	19.9
9 18	1 37.02	+11 26.2	1.818	2.726	11.1	19.7
9 28	1 29.54	+11 13.3	1.778	2.742	7.1	19.5
10 8	1 20.74	+10 51.0	1.765	2.758	2.9	19.2
10 18	1 11.54	+10 23.1	1.780	2.774	1.8	19.2
10 28	1 2.98	+ 9 54.4	1.823	2.789	5.9	19.5
11 7	0 55.94	+ 9 30.1	1.893	2.805	9.7	19.8
11 17	0 51.02	+ 9 14.2	1.987	2.821	12.9	20.0

14675 1999 VS_{7} 10 13.6 260°.14 3°.3/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.75	+21 22.9	1.934	2.733	15.3	18.6
9 18	1 33.78	+20 50.2	1.841	2.723	12.4	18.3
9 28	1 27.70	+19 55.1	1.770	2.713	8.9	18.1
10 8	1 20.13	+18 39.0	1.723	2.703	5.2	17.9
10 18	1 11.96	+17 6.2	1.703	2.692	3.3	17.7
10 28	1 4.21	+15 24.3	1.713	2.681	5.9	17.9
11 7	0 57.85	+13 42.7	1.749	2.671	9.7	18.1
11 17	0 53.57	+12 10.0	1.811	2.660	13.3	18.3

447244 2005 UO_{211} 10 13.6 172°.86 0°.7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.03	+13 20.0	2.269	3.093	12.6	21.9
9 18	1 32.77	+12 45.1	2.189	3.094	9.6	21.7
9 28	1 26.82	+11 57.2	2.132	3.094	6.2	21.5
10 8	1 19.76	+10 59.2	2.102	3.095	2.6	21.2
10 18	1 12.28	+ 9 55.6	2.101	3.095	1.6	21.2
10 28	1 5.22	+ 8 51.9	2.130	3.095	5.2	21.4
11 7	0 59.31	+ 7 54.0	2.186	3.096	8.7	21.6
11 17	0 55.08	+ 7 6.4	2.267	3.096	11.7	21.8

441801 2009 FV_{53} 10 13.6 36°.57 3°.1/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.44	+ 1 15.2	1.788	2.648	13.9	21.1
9 18	1 35.63	+ 0 41.6	1.724	2.651	10.4	20.9
9 28	1 28.74	+ 0 3.5	1.682	2.655	6.6	20.6
10 8	1 20.48	− 0 33.9	1.667	2.658	3.4	20.5
10 18	1 11.76	− 1 5.0	1.679	2.662	4.4	20.5
10 28	1 3.63	− 1 24.6	1.718	2.666	8.0	20.8
11 7	0 56.99	− 1 29.3	1.783	2.670	11.6	21.0
11 17	0 52.45	− 1 17.8	1.870	2.674	14.8	21.2

240186 2002 QT_{100} 10 13.6 17°.79 4°.5/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 40.10	− 1 26.7	1.640	2.508	14.5	20.0
9 18	1 35.54	− 2 13.8	1.579	2.510	10.9	19.8
9 28	1 28.76	− 3 3.7	1.540	2.512	7.2	19.6
10 8	1 20.50	− 3 49.8	1.527	2.514	4.6	19.4
10 18	1 11.75	− 4 25.2	1.541	2.517	5.8	19.5
10 28	1 3.65	− 4 44.3	1.580	2.519	9.3	19.7
11 7	0 57.15	− 4 44.2	1.644	2.522	12.9	19.9
11 17	0 52.89	− 4 24.4	1.729	2.526	16.1	20.2

423821 2006 KD_{48} 10 13.6 134°.01 3°.9/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.04	+ 1 5.6	1.517	2.378	15.8	21.4
9 18	1 39.37	+ 0 14.9	1.460	2.387	11.9	21.2
9 28	1 31.19	− 0 41.4	1.424	2.396	7.6	21.0
10 8	1 21.39	− 1 36.3	1.414	2.405	4.1	20.8
10 18	1 11.10	− 2 22.3	1.431	2.413	5.3	20.9
10 28	1 1.63	− 2 52.8	1.475	2.420	9.3	21.2
11 7	0 54.03	− 3 3.8	1.544	2.427	13.3	21.4
11 17	0 48.97	− 2 54.6	1.633	2.433	16.8	21.7

373628 2002 LR_{31} 10 13.6 45°.93 5°.4/10.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.45	− 1 10.7	1.013	1.898	20.0	19.6
9 18	1 40.79	− 1 52.9	0.988	1.927	14.9	19.4
9 28	1 32.07	− 2 36.6	0.983	1.958	9.6	19.3
10 8	1 21.62	− 3 12.5	1.000	1.989	5.6	19.1
10 18	1 11.05	− 3 32.8	1.040	2.021	6.9	19.3
10 28	1 1.98	− 3 32.2	1.104	2.053	11.2	19.7
11 7	0 55.51	− 3 9.7	1.190	2.086	15.5	20.0
11 17	0 52.16	− 2 27.3	1.295	2.118	19.0	20.4

317736 2003 SD_{4} 10 13.6 51°.12 1°.8/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.90	+ 6 54.5	2.144	2.995	12.2	20.5
9 18	1 31.17	+ 5 42.8	2.077	3.001	9.1	20.3
9 28	1 25.80	+ 4 21.2	2.035	3.008	5.6	20.1
10 8	1 19.39	+ 2 55.5	2.020	3.014	2.2	19.9
10 18	1 12.63	+ 1 31.9	2.034	3.021	3.1	20.0
10 28	1 6.34	+ 0 17.3	2.077	3.028	6.5	20.2
11 7	1 1.20	− 0 43.1	2.147	3.036	9.8	20.4
11 17	0 57.72	− 1 26.3	2.240	3.043	12.7	20.6

353086 2009 DV_{114} 10 13.6 3°.95 9°.0/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.03	− 8 43.4	1.377	2.265	15.5	19.9
9 18	1 32.09	−10 43.4	1.330	2.264	12.3	19.7
9 28	1 26.73	−12 40.3	1.306	2.264	9.7	19.6
10 8	1 19.79	−14 21.6	1.305	2.265	9.2	19.6
10 18	1 12.33	−15 36.5	1.328	2.267	11.0	19.7
10 28	1 5.59	−16 17.7	1.374	2.270	13.9	19.9
11 7	1 0.57	−16 23.7	1.440	2.273	17.0	20.1
11 17	0 57.94	−15 57.3	1.523	2.278	19.8	20.3

5581 Mitsuko 10 13.6 177°.55 0°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.99	+ 8 48.4	1.917	2.755	14.0	18.5
9 18	1 36.76	+ 8 6.7	1.842	2.758	10.6	18.3
9 28	1 29.46	+ 7 13.2	1.790	2.759	6.6	18.1
10 8	1 20.77	+ 6 12.3	1.765	2.760	2.3	17.8
10 18	1 11.58	+ 5 9.8	1.768	2.760	2.4	17.8
10 28	1 2.92	+ 4 12.2	1.801	2.760	6.7	18.1
11 7	0 55.71	+ 3 25.6	1.860	2.759	10.6	18.3
11 17	0 50.56	+ 2 53.8	1.943	2.757	13.9	18.5

484438 2008 AK_{55} 10 13.6 194°.76 2°.2/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.45	+ 4 15.5	2.041	2.893	12.7	21.4
9 18	1 33.97	+ 3 28.2	1.969	2.893	9.5	21.2
9 28	1 27.65	+ 2 33.6	1.920	2.892	5.9	21.0
10 8	1 20.10	+ 1 36.4	1.898	2.891	2.6	20.8
10 18	1 12.11	+ 0 42.4	1.904	2.890	3.5	20.8
10 28	1 4.58	− 0 2.7	1.939	2.889	7.0	21.1
11 7	0 58.32	− 0 34.3	2.000	2.888	10.5	21.3
11 17	0 53.91	− 0 50.1	2.085	2.887	13.5	21.5

25026 1998 QF_{23} 10 13.6 3°.16 4°.5/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.03	+17 53.7	1.531	2.352	17.7	17.9
9 18	1 38.28	+18 38.5	1.457	2.352	14.2	17.7
9 28	1 30.80	+19 6.0	1.403	2.352	10.2	17.4
10 8	1 21.36	+19 14.9	1.372	2.352	6.3	17.2
10 18	1 11.10	+19 6.2	1.367	2.353	4.5	17.1
10 28	1 1.42	+18 44.5	1.388	2.355	7.2	17.3
11 7	0 53.58	+18 16.8	1.434	2.357	11.2	17.5
11 17	0 48.43	+17 50.4	1.503	2.360	15.0	17.8

73038 2002 EK_{87} 10 13.6 80°.67 1°.5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.91	+ 6 54.6	1.712	2.562	14.9	19.9
9 18	1 36.64	+ 6 11.0	1.662	2.584	11.1	19.8
9 28	1 29.29	+ 5 17.7	1.635	2.607	6.8	19.6
10 8	1 20.66	+ 4 20.1	1.634	2.629	2.5	19.3
10 18	1 11.74	+ 3 24.4	1.661	2.651	3.0	19.4
10 28	1 3.59	+ 2 37.3	1.715	2.673	7.1	19.7
11 7	0 57.08	+ 2 3.6	1.796	2.694	10.9	20.0
11 17	0 52.74	+ 1 45.9	1.900	2.716	14.1	20.3

142376 2002 RM_{248} 10 13.6 220°.10 1°.8/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 43.84	+14 17.8	1.761	2.584	15.7	20.5
9 18	1 38.55	+14 13.1	1.676	2.578	12.2	20.3
9 28	1 30.82	+13 52.8	1.612	2.571	8.2	20.1
10 8	1 21.34	+13 18.3	1.573	2.563	3.8	19.8
10 18	1 11.12	+12 33.4	1.562	2.555	2.3	19.7
10 28	1 1.38	+11 44.3	1.579	2.546	6.5	19.9
11 7	0 53.23	+10 57.9	1.623	2.537	10.8	20.2
11 17	0 47.45	+10 20.5	1.690	2.528	14.6	20.4

52252 1981 EJ_{35} 10 13.6 273°.04 1°.8/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.65	+ 7 6.2	1.650	2.505	15.1	20.2
9 18	1 35.52	+ 6 12.7	1.562	2.487	11.4	19.9
9 28	1 28.99	+ 5 5.5	1.495	2.468	7.1	19.7
10 8	1 20.70	+ 3 49.7	1.454	2.449	2.8	19.3
10 18	1 11.61	+ 2 33.0	1.440	2.429	3.5	19.4
10 28	1 2.93	+ 1 24.2	1.453	2.410	8.2	19.6
11 7	0 55.75	+ 0 30.7	1.491	2.390	12.7	19.8
11 17	0 50.91	− 0 2.6	1.552	2.370	16.6	20.0

236615 2006 JB_{48} 10 13.6 167°.72 0°.1/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.92	+11 6.3	2.076	2.907	13.3	21.2
9 18	1 35.06	+10 28.9	2.000	2.910	10.1	21.0
9 28	1 28.34	+ 9 39.0	1.947	2.913	6.4	20.8
10 8	1 20.36	+ 8 40.3	1.921	2.915	2.4	20.5
10 18	1 11.94	+ 7 37.7	1.923	2.917	1.8	20.5
10 28	1 4.00	+ 6 37.4	1.956	2.919	5.9	20.7
11 7	0 57.37	+ 5 45.2	2.015	2.920	9.6	21.0
11 17	0 52.62	+ 5 5.5	2.099	2.920	12.8	21.2

237986 2002 SZ_{25} 10 13.6 40°.24 2°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.97	+ 2 24.1	1.352	2.219	17.0	18.7
9 18	1 38.58	+ 2 11.4	1.311	2.242	12.7	18.5
9 28	1 30.64	+ 1 53.3	1.292	2.266	7.9	18.3
10 8	1 21.16	+ 1 35.2	1.297	2.291	3.4	18.1
10 18	1 11.40	+ 1 22.6	1.328	2.316	4.1	18.2
10 28	1 2.66	+ 1 20.4	1.385	2.342	8.5	18.5
11 7	0 55.96	+ 1 31.7	1.466	2.368	12.6	18.9
11 17	0 51.89	+ 1 57.2	1.568	2.394	16.1	19.1

130386 2000 JY_{33} 10 13.6 11°.16 8°.4/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.86	+22 10.5	0.648	1.540	27.1	16.9
9 18	1 27.85	+23 14.7	0.613	1.544	22.4	16.7
9 28	1 24.95	+23 37.5	0.591	1.552	17.0	16.4
10 8	1 19.33	+23 16.8	0.583	1.563	11.6	16.2
10 18	1 12.77	+22 17.4	0.592	1.578	8.5	16.1
10 28	1 7.43	+20 53.6	0.619	1.596	10.4	16.3
11 7	1 4.95	+19 24.4	0.664	1.617	15.0	16.7
11 17	1 6.09	+18 5.4	0.725	1.640	19.7	17.1

133023 2002 VY_{118} 10 13.6 12°.71 6°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.12	+21 47.1	1.125	1.967	21.5	18.1
9 18	1 32.86	+22 26.1	1.072	1.974	17.5	17.8
9 28	1 27.58	+22 36.9	1.036	1.984	13.1	17.6
10 8	1 20.20	+22 18.6	1.020	1.995	8.7	17.4
10 18	1 12.09	+21 34.3	1.025	2.009	6.3	17.4
10 28	1 4.87	+20 32.5	1.053	2.024	8.4	17.5
11 7	0 59.85	+19 25.0	1.104	2.041	12.4	17.8
11 17	0 57.80	+18 22.6	1.176	2.060	16.4	18.1

27361 2000 DJ_{112} 10 13.6 336°.56 5°.4/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.02	− 5 42.2	2.206	3.072	11.4	18.3
9 18	1 31.27	− 7 7.9	2.143	3.069	8.7	18.1
9 28	1 25.90	− 8 34.0	2.106	3.067	6.4	17.9
10 8	1 19.46	− 9 53.3	2.095	3.065	5.4	17.9
10 18	1 12.65	−10 59.5	2.113	3.063	6.7	18.0
10 28	1 6.26	−11 47.0	2.157	3.061	9.2	18.1
11 7	1 0.98	−12 13.3	2.226	3.060	11.8	18.3
11 17	0 57.33	−12 18.0	2.316	3.058	14.1	18.5

434289 2004 BQ_{12} 10 13.6 298°.16 2°.0/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.35	+14 14.6	1.389	2.234	17.9	21.5
9 18	1 36.63	+14 10.1	1.300	2.214	14.1	21.2
9 28	1 30.01	+13 46.1	1.231	2.195	9.5	20.9
10 8	1 21.17	+13 4.2	1.184	2.176	4.4	20.5
10 18	1 11.25	+12 8.7	1.163	2.157	2.6	20.4
10 28	1 1.75	+11 7.6	1.167	2.138	7.7	20.6
11 7	0 54.06	+10 10.7	1.196	2.120	12.9	20.9
11 17	0 49.21	+ 9 26.3	1.245	2.101	17.6	21.1

13227 Poor 10 13.6 209°.23 0°.9/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.28	+12 41.1	2.651	3.467	11.2	19.0
9 18	1 33.53	+12 29.7	2.563	3.463	8.6	18.8
9 28	1 27.26	+12 8.4	2.500	3.459	5.6	18.6
10 8	1 19.96	+11 39.0	2.464	3.455	2.4	18.4
10 18	1 12.26	+11 4.3	2.457	3.451	1.5	18.3
10 28	1 4.87	+10 28.1	2.481	3.446	4.6	18.6
11 7	0 58.47	+ 9 54.6	2.533	3.442	7.7	18.8
11 17	0 53.56	+ 9 27.3	2.611	3.436	10.4	18.9

486610 2013 KD_{10} 10 13.6 90°.18 7°.6/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 40.39	−16 13.9	2.319	3.165	11.6	20.3
9 18	1 35.10	−17 12.2	2.275	3.175	9.5	20.2
9 28	1 28.17	−18 1.6	2.256	3.185	8.0	20.1
10 8	1 20.26	−18 36.0	2.262	3.194	7.7	20.1
10 18	1 12.09	−18 50.8	2.295	3.204	8.6	20.2
10 28	1 4.50	−18 43.8	2.354	3.213	10.4	20.4
11 7	0 58.16	−18 15.2	2.436	3.223	12.3	20.5
11 17	0 53.55	−17 27.1	2.538	3.232	14.1	20.7

339132 2004 RC_{356} 10 13.6 31°.37 1°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.37	+ 4 52.8	1.213	2.086	18.2	20.7
9 18	1 37.80	+ 4 43.5	1.165	2.099	13.6	20.4
9 28	1 30.39	+ 4 25.2	1.138	2.114	8.5	20.2
10 8	1 21.15	+ 4 3.0	1.134	2.129	3.2	19.9
10 18	1 11.43	+ 3 43.2	1.154	2.145	3.6	20.0
10 28	1 2.71	+ 3 32.0	1.199	2.163	8.7	20.4
11 7	0 56.16	+ 3 34.1	1.268	2.181	13.3	20.7
11 17	0 52.44	+ 3 51.3	1.357	2.199	17.3	21.0

255115 2005 UP_{102} 10 13.7 253°.86 1°.5/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.57	+16 3.6	2.185	3.002	13.2	21.6
9 18	1 32.57	+15 28.4	2.101	2.999	10.3	21.4
9 28	1 26.79	+14 37.5	2.039	2.996	6.9	21.1
10 8	1 19.82	+13 33.4	2.004	2.993	3.3	20.9
10 18	1 12.40	+12 20.8	1.997	2.991	1.8	20.8
10 28	1 5.39	+11 5.6	2.020	2.988	5.2	21.0
11 7	0 59.56	+ 9 54.7	2.070	2.985	8.8	21.3
11 17	0 55.49	+ 8 53.6	2.146	2.982	12.0	21.5

377298 2004 FD_{88} 10 13.7 195°.58 3°.0/11.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.12	+ 2 15.7	1.892	2.742	13.6	22.1
9 18	1 37.66	+ 1 29.7	1.817	2.740	10.2	21.8
9 28	1 30.07	+ 0 37.3	1.767	2.737	6.5	21.6
10 8	1 21.04	− 0 16.0	1.743	2.734	3.3	21.4
10 18	1 11.48	− 1 4.0	1.747	2.730	4.3	21.5
10 28	1 2.44	− 1 40.8	1.780	2.725	8.0	21.7
11 7	0 54.86	− 2 2.0	1.839	2.720	11.6	21.9
11 17	0 49.39	− 2 5.9	1.921	2.714	14.8	22.1

515084 2010 TX_{98} 10 13.7 39°.80 0°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.75	+ 8 58.4	1.785	2.625	14.8	21.2
9 18	1 37.44	+ 9 8.3	1.719	2.634	11.2	21.0
9 28	1 29.94	+ 9 8.6	1.676	2.643	7.1	20.8
10 8	1 20.99	+ 9 1.6	1.658	2.652	2.7	20.5
10 18	1 11.55	+ 8 50.5	1.668	2.662	1.9	20.5
10 28	1 2.73	+ 8 39.7	1.707	2.672	6.3	20.8
11 7	0 55.48	+ 8 33.6	1.771	2.683	10.2	21.0
11 17	0 50.44	+ 8 35.6	1.860	2.693	13.6	21.3

41349 2000 AA_{24} 10 13.7 71°.99 5°.9/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.77	− 9 4.6	2.168	3.026	11.9	17.5
9 18	1 34.68	− 9 58.3	2.124	3.042	9.2	17.4
9 28	1 27.93	−10 47.6	2.104	3.058	6.9	17.3
10 8	1 20.18	−11 26.7	2.110	3.074	5.9	17.2
10 18	1 12.20	−11 50.8	2.144	3.090	6.9	17.3
10 28	1 4.80	−11 56.7	2.205	3.106	9.1	17.5
11 7	0 58.70	−11 43.6	2.290	3.122	11.5	17.7
11 17	0 54.35	−11 12.6	2.397	3.138	13.7	17.9

398053 2009 HB_{6} 10 13.7 354°.78 2°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.58	+ 3 23.5	1.872	2.731	13.4	21.0
9 18	1 33.48	+ 2 24.7	1.803	2.731	10.0	20.8
9 28	1 27.43	+ 1 18.1	1.757	2.731	6.2	20.6
10 8	1 20.07	+ 0 9.8	1.738	2.730	3.1	20.4
10 18	1 12.27	− 0 53.5	1.747	2.730	4.2	20.5
10 28	1 4.96	− 1 45.1	1.783	2.730	7.8	20.7
11 7	0 59.01	− 2 20.4	1.845	2.730	11.4	20.9
11 17	0 55.00	− 2 37.0	1.929	2.730	14.5	21.1

345359 2006 AX_{27} 10 13.7 148°.31 0°.3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.98	+ 8 55.2	2.057	2.889	13.4	21.2
9 18	1 37.34	+ 8 34.3	1.986	2.898	10.1	21.1
9 28	1 29.77	+ 8 3.6	1.939	2.906	6.4	20.8
10 8	1 20.91	+ 7 26.2	1.918	2.913	2.3	20.6
10 18	1 11.63	+ 6 46.4	1.927	2.920	2.0	20.6
10 28	1 2.90	+ 6 9.5	1.965	2.926	6.0	20.9
11 7	0 55.54	+ 5 40.2	2.030	2.932	9.7	21.1
11 17	0 50.16	+ 5 21.9	2.120	2.937	12.8	21.3

394928 2008 WN_{91} 10 13.7 176°.61 7°.7/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.95	−13 50.4	2.207	3.060	11.8	21.1
9 18	1 34.95	−15 17.2	2.154	3.061	9.7	20.9
9 28	1 28.20	−16 37.5	2.127	3.063	8.1	20.8
10 8	1 20.33	−17 43.9	2.126	3.063	7.7	20.8
10 18	1 12.09	−18 30.1	2.151	3.064	8.9	20.9
10 28	1 4.37	−18 52.4	2.203	3.064	10.9	21.0
11 7	0 57.90	−18 49.9	2.277	3.063	13.1	21.2
11 17	0 53.23	−18 24.3	2.371	3.063	15.1	21.3

451196 2009 TS_{23} 10 13.7 276°.68 1°.1/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 35.71	+ 8 30.2	2.336	3.176	11.7	21.6
9 18	1 31.86	+ 7 32.4	2.240	3.158	8.8	21.3
9 28	1 26.36	+ 6 23.4	2.169	3.139	5.5	21.1
10 8	1 19.70	+ 5 7.1	2.125	3.120	2.0	20.8
10 18	1 12.54	+ 3 49.0	2.111	3.101	2.4	20.8
10 28	1 5.66	+ 2 35.4	2.126	3.082	6.0	21.1
11 7	0 59.81	+ 1 32.1	2.169	3.063	9.5	21.2
11 17	0 55.55	+ 0 43.3	2.236	3.044	12.5	21.4

86212 1999 TG_{21} 10 13.7 326°.60 11°.2/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	2 0.29	−16 22.0	1.064	1.922	21.3	17.6
9 18	1 53.25	−16 2.0	0.974	1.887	17.8	17.3
9 28	1 41.45	−15 17.7	0.903	1.853	14.1	16.9
10 8	1 25.70	−13 55.6	0.853	1.820	11.5	16.7
10 18	1 7.77	−11 47.0	0.826	1.789	12.1	16.6
10 28	0 50.30	− 8 52.5	0.825	1.759	16.2	16.7
11 7	0 35.77	− 5 23.5	0.847	1.731	21.3	16.9
11 17	0 25.74	− 1 35.3	0.889	1.705	26.2	17.1

172892 2005 GL_{6} 10 13.7 65°.08 2°.7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.11	+ 2 35.1	1.759	2.616	14.2	19.8
9 18	1 36.14	+ 2 2.0	1.700	2.627	10.6	19.6
9 28	1 29.07	+ 1 23.3	1.665	2.637	6.6	19.4
10 8	1 20.67	+ 0 44.2	1.655	2.648	3.1	19.2
10 18	1 11.87	+ 0 10.2	1.673	2.659	4.0	19.3
10 28	1 3.72	− 0 13.2	1.719	2.670	7.7	19.6
11 7	0 57.12	− 0 22.5	1.790	2.681	11.4	19.8
11 17	0 52.65	− 0 16.1	1.883	2.692	14.5	20.0

78666 2002 TZ_{89} 10 13.7 117°.96 3°.6/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.26	+19 45.3	1.719	2.522	16.8	19.9
9 18	1 38.74	+19 42.6	1.652	2.536	13.4	19.7
9 28	1 30.84	+19 19.5	1.605	2.550	9.5	19.5
10 8	1 21.34	+18 37.0	1.583	2.564	5.5	19.3
10 18	1 11.35	+17 39.0	1.588	2.576	3.6	19.2
10 28	1 2.07	+16 32.4	1.622	2.589	6.3	19.4
11 7	0 54.54	+15 25.5	1.681	2.601	10.2	19.7
11 17	0 49.44	+14 25.9	1.765	2.612	13.7	19.9

154479 2003 ET_{10} 10 13.7 165°.98 1°.2/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.00	+14 0.5	1.948	2.769	14.4	20.8
9 18	1 36.81	+13 38.8	1.871	2.773	11.2	20.6
9 28	1 29.54	+13 2.4	1.816	2.776	7.3	20.3
10 8	1 20.87	+12 13.7	1.788	2.779	3.2	20.1
10 18	1 11.69	+11 17.1	1.788	2.782	1.9	20.0
10 28	1 3.04	+10 18.9	1.817	2.784	5.8	20.3
11 7	0 55.83	+ 9 25.7	1.873	2.785	9.7	20.5
11 17	0 50.70	+ 8 42.6	1.954	2.786	13.1	20.7

470972 2009 RJ_{48} 10 13.7 58°.14 0°.2/13.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.34	+10 41.2	1.293	2.148	18.4	21.4
9 18	1 38.37	+10 20.0	1.246	2.168	13.9	21.2
9 28	1 30.68	+ 9 42.9	1.218	2.189	8.8	20.9
10 8	1 21.27	+ 8 54.8	1.215	2.210	3.3	20.7
10 18	1 11.45	+ 8 2.4	1.237	2.231	2.4	20.7
10 28	1 2.64	+ 7 14.2	1.285	2.252	7.6	21.1
11 7	0 55.95	+ 6 37.3	1.357	2.273	12.3	21.4
11 17	0 52.02	+ 6 16.1	1.450	2.295	16.2	21.7

331014 2009 UN_{120} 10 13.7 271°.80 1°.2/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.76	+ 5 11.8	2.328	3.169	11.7	21.4
9 18	1 34.86	+ 4 58.0	2.242	3.160	8.8	21.2
9 28	1 28.22	+ 4 38.2	2.181	3.151	5.5	20.9
10 8	1 20.38	+ 4 15.3	2.147	3.141	2.1	20.7
10 18	1 12.07	+ 3 53.0	2.141	3.132	2.4	20.7
10 28	1 4.09	+ 3 35.2	2.166	3.122	5.9	20.9
11 7	0 57.23	+ 3 25.3	2.217	3.113	9.3	21.1
11 17	0 52.05	+ 3 25.7	2.293	3.104	12.2	21.3

168594 2000 AV_{31} 10 13.7 256°.67 6°.5/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.93	+27 41.4	2.155	2.903	15.5	20.5
9 18	1 37.84	+28 16.6	2.052	2.887	13.2	20.3
9 28	1 30.44	+28 32.1	1.969	2.871	10.5	20.1
10 8	1 21.30	+28 25.5	1.910	2.855	8.0	19.9
10 18	1 11.31	+27 56.3	1.877	2.838	6.6	19.8
10 28	1 1.58	+27 7.4	1.871	2.820	7.3	19.8
11 7	0 53.20	+26 5.2	1.893	2.803	9.8	20.0
11 17	0 46.99	+24 57.8	1.939	2.785	12.7	20.1

515311 2012 VO_{105} 10 13.7 18°.29 0°.8/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.56	+ 7 18.2	1.330	2.183	18.1	19.9
9 18	1 42.60	+ 8 9.2	1.267	2.187	13.9	19.6
9 28	1 33.58	+ 8 52.5	1.224	2.193	8.9	19.3
10 8	1 22.44	+ 9 28.6	1.205	2.199	3.5	19.1
10 18	1 10.53	+ 9 58.9	1.213	2.207	2.4	19.0
10 28	0 59.45	+10 26.3	1.247	2.215	7.7	19.4
11 7	0 50.57	+10 54.6	1.306	2.224	12.6	19.7
11 17	0 44.74	+11 27.2	1.387	2.234	16.7	19.9

507376 2012 CB_{58} 10 13.7 214°.45 4°.8/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 41.90	+ 0 35.4	1.410	2.281	16.2	21.6
9 18	1 37.34	− 0 35.0	1.347	2.280	12.2	21.4
9 28	1 30.15	− 1 52.8	1.305	2.278	7.9	21.1
10 8	1 21.15	− 3 9.1	1.287	2.276	4.9	20.9
10 18	1 11.51	− 4 14.6	1.296	2.273	6.4	21.0
10 28	1 2.58	− 5 0.6	1.330	2.271	10.5	21.3
11 7	0 55.52	− 5 22.4	1.387	2.268	14.7	21.5
11 17	0 51.06	− 5 19.0	1.465	2.266	18.3	21.7

227326 Narodychi 10 13.7 301°.06 1°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.43	+ 6 44.0	1.455	2.317	16.3	20.5
9 18	1 36.43	+ 6 17.0	1.372	2.300	12.5	20.2
9 28	1 29.75	+ 5 37.8	1.309	2.283	7.9	19.9
10 8	1 21.09	+ 4 50.8	1.271	2.266	2.9	19.6
10 18	1 11.52	+ 4 2.7	1.258	2.250	3.3	19.6
10 28	1 2.41	+ 3 21.5	1.272	2.234	8.5	19.9
11 7	0 55.02	+ 2 53.9	1.309	2.218	13.3	20.1
11 17	0 50.25	+ 2 44.3	1.368	2.202	17.6	20.3

446564 2014 OP_{106} 10 13.7 316°.49 6°.6/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.23	− 7 58.5	1.972	2.840	12.4	20.5
9 18	1 32.43	− 9 22.0	1.906	2.831	9.7	20.3
9 28	1 26.78	−10 44.1	1.865	2.823	7.4	20.1
10 8	1 19.87	−11 57.2	1.850	2.814	6.6	20.1
10 18	1 12.50	−12 53.9	1.862	2.806	8.0	20.2
10 28	1 5.57	−13 28.6	1.899	2.798	10.5	20.3
11 7	0 59.90	−13 39.2	1.960	2.790	13.3	20.5
11 17	0 56.08	−13 25.8	2.041	2.783	15.8	20.6

226696 2004 JS_{35} 10 13.7 106°.63 1°.2/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.28	+ 6 16.7	1.699	2.544	15.2	20.6
9 18	1 39.32	+ 5 56.1	1.641	2.560	11.4	20.4
9 28	1 31.10	+ 5 26.7	1.605	2.575	7.1	20.2
10 8	1 21.43	+ 4 52.8	1.595	2.590	2.6	20.0
10 18	1 11.37	+ 4 19.5	1.614	2.605	2.8	20.0
10 28	1 2.05	+ 3 52.4	1.661	2.620	7.1	20.3
11 7	0 54.46	+ 3 36.1	1.733	2.633	11.1	20.6
11 17	0 49.21	+ 3 33.2	1.829	2.647	14.5	20.8

52653 1998 AJ_{3} 10 13.7 277°.49 1°.6/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.14	+ 5 21.6	1.993	2.843	13.1	18.7
9 18	1 34.64	+ 4 50.0	1.913	2.836	9.8	18.5
9 28	1 28.19	+ 4 10.4	1.857	2.829	6.1	18.3
10 8	1 20.41	+ 3 26.9	1.827	2.822	2.4	18.0
10 18	1 12.09	+ 2 44.5	1.825	2.815	3.0	18.1
10 28	1 4.21	+ 2 8.9	1.852	2.808	6.8	18.3
11 7	0 57.60	+ 1 44.5	1.905	2.801	10.5	18.5
11 17	0 52.92	+ 1 34.3	1.981	2.794	13.7	18.7

409687 2006 AG_{57} 10 13.7 168°.42 5°.2/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.48	− 7 51.3	2.509	3.365	10.5	21.6
9 18	1 32.91	− 8 55.7	2.448	3.367	8.1	21.4
9 28	1 26.86	− 9 58.1	2.413	3.368	6.1	21.3
10 8	1 19.86	−10 52.9	2.405	3.370	5.2	21.3
10 18	1 12.54	−11 35.2	2.425	3.371	6.3	21.3
10 28	1 5.63	−12 1.0	2.473	3.372	8.4	21.5
11 7	0 59.77	−12 8.8	2.547	3.373	10.7	21.6
11 17	0 55.42	−11 58.4	2.642	3.374	12.8	21.8

483185 2015 PL_{126} 10 13.7 30°.07 0°.6/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.14	+ 8 43.5	1.661	2.513	15.1	21.1
9 18	1 34.89	+ 8 15.3	1.595	2.517	11.4	20.9
9 28	1 28.44	+ 7 35.1	1.551	2.522	7.2	20.7
10 8	1 20.50	+ 6 47.2	1.531	2.527	2.5	20.4
10 18	1 12.06	+ 5 57.5	1.539	2.532	2.4	20.4
10 28	1 4.23	+ 5 12.5	1.574	2.538	7.0	20.7
11 7	0 57.96	+ 4 38.3	1.635	2.544	11.1	21.0
11 17	0 53.91	+ 4 18.7	1.718	2.550	14.7	21.2

72887 2001 KE_{19} 10 13.7 7°.87 1°.9/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.58	+18 16.0	1.893	2.715	14.8	18.4
9 18	1 30.56	+17 23.2	1.816	2.716	11.6	18.2
9 28	1 25.65	+16 10.0	1.762	2.718	7.9	18.0
10 8	1 19.47	+14 39.9	1.732	2.720	3.9	17.7
10 18	1 12.86	+12 59.0	1.730	2.724	2.1	17.6
10 28	1 6.74	+11 15.7	1.757	2.727	5.6	17.9
11 7	1 1.93	+ 9 38.8	1.811	2.732	9.5	18.1
11 17	0 59.01	+ 8 15.4	1.890	2.737	12.9	18.3

117035 2004 JR_{23} 10 13.7 55°.70 2°.7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.28	+ 2 4.9	1.801	2.657	13.9	19.8
9 18	1 36.16	+ 1 37.5	1.748	2.674	10.4	19.6
9 28	1 29.05	+ 1 5.4	1.718	2.690	6.5	19.4
10 8	1 20.68	+ 0 33.7	1.714	2.707	3.1	19.2
10 18	1 11.98	+ 0 7.3	1.738	2.723	3.9	19.3
10 28	1 3.97	− 0 9.0	1.790	2.740	7.5	19.6
11 7	0 57.48	− 0 12.1	1.867	2.758	11.0	19.8
11 17	0 53.07	− 0 0.8	1.967	2.775	14.0	20.1

518022 2015 VT_{150} 10 13.7 252°.22 5°.2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.27	− 6 43.9	2.338	3.197	11.0	21.0
9 18	1 32.91	− 7 46.5	2.271	3.193	8.5	20.8
9 28	1 26.94	− 8 48.1	2.229	3.188	6.2	20.6
10 8	1 19.92	− 9 42.8	2.214	3.184	5.2	20.6
10 18	1 12.52	−10 25.2	2.227	3.179	6.3	20.6
10 28	1 5.52	−10 51.0	2.267	3.174	8.7	20.8
11 7	0 59.62	−10 58.2	2.333	3.170	11.2	20.9
11 17	0 55.32	−10 46.5	2.420	3.165	13.5	21.1

476878 2008 VC_{34} 10 13.7 85°.22 8°.0/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.12	−12 12.9	1.692	2.548	14.7	20.4
9 18	1 39.89	−13 1.5	1.647	2.561	11.7	20.2
9 28	1 31.41	−13 41.8	1.625	2.573	9.1	20.1
10 8	1 21.54	−14 6.1	1.627	2.585	8.0	20.1
10 18	1 11.37	−14 8.8	1.656	2.597	9.1	20.2
10 28	1 2.05	−13 47.3	1.711	2.609	11.5	20.4
11 7	0 54.53	−13 2.3	1.789	2.620	14.3	20.6
11 17	0 49.37	−11 57.0	1.887	2.632	16.8	20.8

429154 2009 UO_{120} 10 13.7 71°.64 1°.2/12.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.79	+ 7 20.3	1.401	2.257	17.2	21.5
9 18	1 39.24	+ 6 51.7	1.355	2.279	12.9	21.3
9 28	1 31.14	+ 6 11.7	1.329	2.301	8.0	21.1
10 8	1 21.47	+ 5 25.7	1.328	2.324	2.9	20.8
10 18	1 11.44	+ 4 40.5	1.354	2.346	3.0	20.9
10 28	1 2.39	+ 4 3.1	1.406	2.368	7.8	21.3
11 7	0 55.36	+ 3 39.0	1.483	2.390	12.2	21.6
11 17	0 50.96	+ 3 31.1	1.582	2.412	15.8	21.9

13171 1996 AA 10 13.7 245°.77 4°.0/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.13	+19 49.3	1.649	2.458	17.1	18.2
9 18	1 37.52	+19 56.4	1.566	2.453	13.8	18.0
9 28	1 30.33	+19 42.8	1.502	2.448	9.9	17.8
10 8	1 21.29	+19 8.4	1.463	2.442	6.0	17.5
10 18	1 11.47	+18 16.0	1.449	2.436	4.1	17.4
10 28	1 2.15	+17 12.1	1.463	2.431	6.8	17.6
11 7	0 54.53	+16 5.4	1.502	2.425	10.9	17.8
11 17	0 49.43	+15 4.5	1.565	2.419	14.7	18.0

3548 Eurybates 10 13.7 315°.45 0°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 31.96	+ 4 43.7	4.070	4.906	7.2	16.7
9 18	1 28.34	+ 4 25.5	3.984	4.900	5.4	16.6
9 28	1 23.83	+ 4 4.0	3.925	4.895	3.3	16.4
10 8	1 18.75	+ 3 41.0	3.895	4.889	1.3	16.3
10 18	1 13.44	+ 3 18.7	3.895	4.884	1.6	16.3
10 28	1 8.32	+ 2 59.3	3.925	4.879	3.7	16.5
11 7	1 3.76	+ 2 44.8	3.984	4.873	5.7	16.6
11 17	1 0.08	+ 2 36.8	4.070	4.868	7.5	16.7

120362 2005 NK_8 10 13.7 4°.15 6°.9/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.22	− 2 13.5	1.156	2.049	17.4	18.8
9 18	1 33.42	− 3 48.6	1.105	2.048	13.2	18.5
9 28	1 27.83	− 5 28.6	1.074	2.048	9.1	18.3
10 8	1 20.35	− 7 1.3	1.067	2.049	7.0	18.2
10 18	1 12.25	− 8 14.6	1.082	2.051	8.9	18.3
10 28	1 4.96	− 8 58.9	1.121	2.054	12.8	18.6
11 7	0 59.70	− 9 10.7	1.180	2.058	16.9	18.8
11 17	0 57.16	− 8 50.9	1.256	2.063	20.4	19.1

407173 2009 UJ_{59} 10 13.7 102°.33 1°.0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.70	+ 5 39.9	2.378	3.217	11.6	21.0
9 18	1 34.67	+ 5 24.8	2.306	3.222	8.7	20.8
9 28	1 28.03	+ 5 3.7	2.259	3.228	5.4	20.7
10 8	1 20.32	+ 4 39.6	2.239	3.234	2.0	20.4
10 18	1 12.26	+ 4 15.9	2.248	3.239	2.2	20.5
10 28	1 4.62	+ 3 56.5	2.287	3.245	5.6	20.7
11 7	0 58.11	+ 3 44.6	2.354	3.250	8.8	20.9
11 17	0 53.24	+ 3 42.5	2.445	3.255	11.5	21.1

310270 2011 UM_{49} 10 13.7 51°.06 1°.0/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.92	+ 6 48.8	1.796	2.645	14.3	20.8
9 18	1 36.07	+ 6 30.7	1.730	2.651	10.8	20.6
9 28	1 29.12	+ 6 3.6	1.685	2.656	6.7	20.4
10 8	1 20.76	+ 5 31.5	1.667	2.662	2.4	20.1
10 18	1 11.93	+ 4 58.9	1.676	2.668	2.5	20.1
10 28	1 3.68	+ 4 31.5	1.713	2.674	6.8	20.4
11 7	0 56.93	+ 4 13.7	1.777	2.681	10.7	20.7
11 17	0 52.31	+ 4 8.5	1.863	2.687	14.0	20.9

328216 2008 ED_{129} 10 13.7 86°.18 5°.3/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.80	− 0 18.4	1.528	2.396	15.4	21.0
9 18	1 36.73	− 2 3.8	1.490	2.421	11.4	20.8
9 28	1 29.44	− 3 53.1	1.475	2.445	7.5	20.6
10 8	1 20.82	− 5 36.0	1.486	2.469	5.3	20.6
10 18	1 11.95	− 7 2.7	1.524	2.493	6.9	20.7
10 28	1 3.98	− 8 6.1	1.589	2.516	10.2	21.0
11 7	0 57.78	− 8 42.6	1.678	2.539	13.6	21.2
11 17	0 53.89	− 8 53.0	1.787	2.561	16.5	21.5

13183 1996 TW 10 13.7 50°.84 1°.2/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 33.97	+14 24.8	4.131	4.929	7.8	17.8
9 18	1 29.82	+14 28.9	4.048	4.935	6.1	17.7
9 28	1 24.75	+14 26.5	3.990	4.941	4.1	17.5
10 8	1 19.09	+14 18.4	3.960	4.947	2.1	17.4
10 18	1 13.20	+14 6.1	3.961	4.953	1.3	17.3
10 28	1 7.51	+13 51.3	3.993	4.959	3.0	17.5
11 7	1 2.42	+13 36.3	4.054	4.965	5.0	17.6
11 17	0 58.26	+13 23.3	4.143	4.971	6.8	17.8

303158 2004 EJ_{45} 10 13.7 342°.04 1°.6/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.05	+13 24.9	1.862	2.689	14.8	20.5
9 18	1 36.27	+13 28.1	1.783	2.688	11.5	20.3
9 28	1 29.33	+13 17.9	1.726	2.687	7.6	20.1
10 8	1 20.88	+12 56.0	1.695	2.685	3.5	19.8
10 18	1 11.82	+12 25.5	1.691	2.684	2.1	19.7
10 28	1 3.26	+11 51.5	1.715	2.683	6.0	20.0
11 7	0 56.14	+11 20.0	1.766	2.683	9.9	20.2
11 17	0 51.16	+10 55.8	1.841	2.682	13.4	20.4

442476 2011 UE_{314} 10 13.7 231°.01 3°.4/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.16	− 0 38.5	2.091	2.944	12.4	20.9
9 18	1 36.03	− 1 12.9	2.016	2.939	9.3	20.7
9 28	1 29.02	− 1 50.1	1.965	2.934	6.1	20.5
10 8	1 20.73	− 2 25.4	1.941	2.929	3.6	20.3
10 18	1 11.96	− 2 53.6	1.945	2.923	4.5	20.4
10 28	1 3.64	− 3 10.3	1.978	2.918	7.7	20.6
11 7	0 56.59	− 3 12.6	2.037	2.912	11.0	20.8
11 17	0 51.42	− 2 59.3	2.118	2.906	13.8	20.9

505420 2013 RT_{25} 10 13.7 344°.75 4°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.67	+18 11.1	1.216	2.056	20.3	20.4
9 18	1 37.95	+18 49.9	1.144	2.050	16.4	20.1
9 28	1 31.00	+19 7.0	1.090	2.044	11.8	19.9
10 8	1 21.64	+19 0.8	1.057	2.040	7.1	19.6
10 18	1 11.21	+18 33.0	1.047	2.036	5.0	19.5
10 28	1 1.44	+17 50.1	1.062	2.033	8.3	19.6
11 7	0 53.87	+17 2.3	1.099	2.030	13.1	19.9
11 17	0 49.50	+16 19.3	1.157	2.029	17.5	20.2

442872 2013 BB_{15} 10 13.7 185°.39 0°.4/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.56	+11 25.1	1.925	2.760	14.1	22.1
9 18	1 35.03	+11 1.7	1.848	2.760	10.7	21.9
9 28	1 28.47	+10 25.3	1.794	2.760	6.9	21.7
10 8	1 20.54	+ 9 39.2	1.766	2.760	2.7	21.4
10 18	1 12.10	+ 8 48.0	1.766	2.760	1.8	21.4
10 28	1 4.14	+ 7 57.7	1.794	2.760	6.0	21.6
11 7	0 57.56	+ 7 14.3	1.849	2.759	9.9	21.9
11 17	0 52.98	+ 6 42.4	1.928	2.759	13.3	22.1

390190 2012 WG_{22} 10 13.7 337°.07 2°.0/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.27	+14 53.8	1.569	2.405	16.6	21.1
9 18	1 35.34	+14 46.6	1.491	2.400	13.0	20.8
9 28	1 28.93	+14 21.4	1.435	2.396	8.7	20.6
10 8	1 20.78	+13 40.5	1.402	2.392	4.2	20.3
10 18	1 11.91	+12 48.0	1.395	2.388	2.4	20.2
10 28	1 3.58	+11 51.4	1.414	2.385	6.7	20.4
11 7	0 56.92	+10 58.5	1.459	2.382	11.2	20.7
11 17	0 52.69	+10 16.3	1.527	2.379	15.1	20.9

164952 1999 XM_{243} 10 13.7 235°.16 0°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.03	+ 8 22.8	2.214	3.041	12.7	19.7
9 18	1 38.25	+ 8 21.5	2.121	3.030	9.7	19.5
9 28	1 30.49	+ 8 12.1	2.052	3.018	6.2	19.2
10 8	1 21.31	+ 7 56.7	2.011	3.005	2.3	19.0
10 18	1 11.51	+ 7 38.3	1.999	2.992	1.8	18.9
10 28	1 2.05	+ 7 20.8	2.017	2.979	5.8	19.2
11 7	0 53.80	+ 7 8.3	2.063	2.965	9.5	19.4
11 17	0 47.46	+ 7 4.1	2.134	2.950	12.7	19.5

509169 2006 FU_{23} 10 13.7 191°.72 0°.6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.64	+11 34.8	2.300	3.118	12.6	23.0
9 18	1 37.06	+11 20.4	2.215	3.117	9.7	22.8
9 28	1 29.64	+10 55.3	2.153	3.114	6.2	22.6
10 8	1 20.96	+10 21.5	2.119	3.112	2.5	22.4
10 18	1 11.80	+ 9 42.6	2.114	3.108	1.6	22.3
10 28	1 3.03	+ 9 3.1	2.140	3.104	5.3	22.5
11 7	0 55.47	+ 8 27.9	2.194	3.099	8.9	22.8
11 17	0 49.72	+ 8 1.0	2.273	3.093	11.9	23.0

514991 2009 HN_{14} 10 13.7 188°.69 3°.0/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.64	+ 2 42.3	2.252	3.104	11.7	22.2
9 18	1 33.25	+ 1 24.7	2.179	3.103	8.7	22.0
9 28	1 27.20	+ 0 0.2	2.131	3.102	5.5	21.8
10 8	1 20.05	− 1 25.3	2.111	3.101	3.1	21.7
10 18	1 12.52	− 2 45.3	2.121	3.099	4.2	21.8
10 28	1 5.40	− 3 53.6	2.160	3.097	7.3	22.0
11 7	0 59.40	− 4 45.5	2.225	3.094	10.4	22.2
11 17	0 55.07	− 5 18.8	2.314	3.091	13.1	22.3

315910 2008 RH_{64} 10 13.7 306°.98 0°.1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 32.43	+ 9 19.3	4.160	4.980	7.4	20.8
9 18	1 28.69	+ 9 8.8	4.072	4.977	5.6	20.7
9 28	1 24.06	+ 8 53.4	4.010	4.974	3.5	20.5
10 8	1 18.86	+ 8 34.5	3.978	4.972	1.3	20.4
10 18	1 13.43	+ 8 13.9	3.975	4.969	1.0	20.3
10 28	1 8.19	+ 7 53.9	4.003	4.966	3.2	20.5
11 7	1 3.50	+ 7 36.5	4.061	4.963	5.2	20.7
11 17	0 59.69	+ 7 23.5	4.146	4.960	7.1	20.8

425021 2009 FH_{3} 10 13.7 255°.24 1°.6/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.97	+12 7.7	1.419	2.259	17.9	21.7
9 18	1 40.77	+12 20.1	1.339	2.252	13.9	21.4
9 28	1 32.58	+12 17.5	1.280	2.244	9.2	21.1
10 8	1 22.21	+12 1.2	1.244	2.236	4.1	20.8
10 18	1 10.85	+11 34.6	1.235	2.228	2.5	20.7
10 28	1 0.07	+11 4.2	1.252	2.220	7.6	21.0
11 7	0 51.25	+10 37.3	1.293	2.212	12.6	21.2
11 17	0 45.34	+10 20.1	1.357	2.204	17.0	21.5

169780 2002 PR_{116} 10 13.7 33°.74 4°.6/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.32	+20 46.5	1.557	2.370	17.8	19.3
9 18	1 36.11	+21 3.6	1.492	2.379	14.4	19.1
9 28	1 29.37	+20 58.9	1.446	2.389	10.5	18.9
10 8	1 20.93	+20 32.6	1.423	2.399	6.6	18.7
10 18	1 11.88	+19 47.5	1.425	2.410	4.6	18.6
10 28	1 3.53	+18 50.4	1.454	2.422	6.9	18.7
11 7	0 56.96	+17 49.8	1.508	2.433	10.6	19.0
11 17	0 52.90	+16 54.1	1.585	2.446	14.2	19.2

130427 2000 PU_{21} 10 13.7 111°.66 0°.5/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.64	+10 50.3	1.560	2.393	16.9	20.1
9 18	1 42.06	+10 40.9	1.503	2.414	12.8	19.9
9 28	1 32.93	+10 17.9	1.468	2.433	8.2	19.6
10 8	1 22.18	+ 9 44.4	1.459	2.453	3.2	19.4
10 18	1 11.00	+ 9 5.4	1.477	2.471	2.1	19.4
10 28	1 0.72	+ 8 27.6	1.523	2.489	6.9	19.7
11 7	0 52.41	+ 7 57.1	1.596	2.506	11.3	20.0
11 17	0 46.74	+ 7 38.4	1.692	2.522	14.9	20.3

472117 2014 BK_{13} 10 13.7 359°.70 4°.4/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.19	+17 46.4	1.224	2.068	19.9	20.3
9 18	1 35.93	+18 16.4	1.156	2.065	16.0	20.1
9 28	1 29.64	+18 24.3	1.107	2.063	11.4	19.8
10 8	1 21.14	+18 9.6	1.078	2.062	6.7	19.5
10 18	1 11.72	+17 35.2	1.073	2.063	4.5	19.4
10 28	1 3.01	+16 48.1	1.093	2.064	7.9	19.6
11 7	0 56.41	+15 58.5	1.135	2.067	12.6	19.9
11 17	0 52.82	+15 15.4	1.198	2.071	16.9	20.2

382119 2011 HN_{69} 10 13.7 267°.86 0°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.36	+ 9 28.3	1.661	2.505	15.5	21.9
9 18	1 37.67	+ 9 9.1	1.571	2.489	11.9	21.7
9 28	1 30.46	+ 8 36.9	1.503	2.472	7.6	21.4
10 8	1 21.40	+ 7 54.6	1.460	2.455	2.8	21.1
10 18	1 11.49	+ 7 7.4	1.445	2.438	2.3	21.0
10 28	1 1.98	+ 6 22.2	1.456	2.421	7.3	21.3
11 7	0 54.03	+ 5 45.9	1.494	2.403	11.9	21.5
11 17	0 48.49	+ 5 23.4	1.554	2.385	16.0	21.7

408485 2013 JS_{5} 10 13.7 126°.60 1°.4/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.41	+15 14.8	2.563	3.371	11.8	21.7
9 18	1 33.64	+14 53.5	2.489	3.382	9.1	21.5
9 28	1 27.36	+14 20.0	2.438	3.393	6.1	21.4
10 8	1 20.11	+13 36.7	2.415	3.403	2.9	21.2
10 18	1 12.54	+12 46.7	2.421	3.414	1.7	21.1
10 28	1 5.38	+11 54.6	2.457	3.424	4.5	21.3
11 7	0 59.29	+11 5.2	2.522	3.433	7.6	21.5
11 17	0 54.74	+10 22.6	2.613	3.443	10.3	21.7

409653 2005 YM_{50} 10 13.7 124°.51 5°.9/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.08	−10 7.9	2.437	3.292	10.8	21.6
9 18	1 33.39	−11 15.7	2.386	3.300	8.5	21.5
9 28	1 27.18	−12 19.5	2.359	3.308	6.6	21.4
10 8	1 20.04	−13 13.5	2.360	3.316	5.9	21.3
10 18	1 12.61	−13 52.6	2.388	3.323	7.0	21.4
10 28	1 5.65	−14 13.3	2.443	3.330	9.0	21.6
11 7	0 59.78	−14 14.5	2.523	3.337	11.2	21.7
11 17	0 55.49	−13 56.8	2.625	3.344	13.1	21.9

54770 2001 LS_{10} 10 13.7 37°.61 3°.0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.80	+ 6 32.0	1.120	2.001	18.7	17.7
9 18	1 34.49	+ 5 13.9	1.079	2.018	13.9	17.5
9 28	1 28.39	+ 3 41.6	1.059	2.037	8.5	17.3
10 8	1 20.55	+ 2 5.5	1.061	2.056	3.6	17.0
10 18	1 12.30	+ 0 37.0	1.087	2.075	4.9	17.2
10 28	1 5.07	− 0 32.9	1.138	2.096	9.8	17.5
11 7	0 59.96	− 1 17.7	1.211	2.117	14.4	17.9
11 17	0 57.58	− 1 35.6	1.304	2.139	18.3	18.2

514380 2016 RV_{30} 10 13.7 0°.32 2°.0/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 35.79	+ 6 58.9	1.168	2.049	18.1	20.4
9 18	1 33.20	+ 6 14.4	1.108	2.046	13.7	20.2
9 28	1 27.79	+ 5 14.7	1.067	2.045	8.5	19.9
10 8	1 20.42	+ 4 7.1	1.049	2.044	3.2	19.6
10 18	1 12.33	+ 3 0.9	1.054	2.045	4.0	19.6
10 28	1 4.99	+ 2 6.2	1.083	2.047	9.3	19.9
11 7	0 59.65	+ 1 30.9	1.135	2.050	14.3	20.2
11 17	0 57.07	+ 1 18.5	1.206	2.055	18.5	20.5

91157 1998 QG_{62} 10 13.7 301°.61 4°.9/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.00	+24 28.7	2.215	2.986	14.5	19.2
9 18	1 34.63	+24 45.1	2.124	2.981	12.0	19.0
9 28	1 28.28	+24 43.1	2.054	2.975	9.2	18.8
10 8	1 20.54	+24 22.1	2.009	2.970	6.5	18.7
10 18	1 12.21	+23 43.3	1.990	2.964	5.0	18.6
10 28	1 4.24	+22 50.8	2.000	2.959	6.1	18.6
11 7	0 57.52	+21 50.8	2.036	2.954	8.7	18.8
11 17	0 52.71	+20 50.1	2.098	2.949	11.6	19.0

288704 2004 RT_{3} 10 13.7 344°.19 3°.5/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.45	− 0 10.5	1.810	2.673	13.6	20.0
9 18	1 35.04	− 0 39.5	1.739	2.668	10.2	19.8
9 28	1 28.54	− 1 11.9	1.691	2.663	6.6	19.6
10 8	1 20.62	− 1 42.4	1.669	2.659	3.7	19.4
10 18	1 12.18	− 2 5.5	1.674	2.655	4.7	19.4
10 28	1 4.24	− 2 16.5	1.706	2.651	8.2	19.6
11 7	0 57.73	− 2 12.2	1.763	2.649	11.8	19.9
11 17	0 53.27	− 1 51.6	1.842	2.646	15.0	20.1

454697 2014 SX_{48} 10 13.7 71°.14 0°.7/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.96	+ 6 48.7	2.229	3.068	12.2	20.9
9 18	1 35.00	+ 6 36.1	2.159	3.075	9.2	20.7
9 28	1 28.31	+ 6 16.4	2.112	3.081	5.7	20.5
10 8	1 20.49	+ 5 52.6	2.093	3.088	2.1	20.3
10 18	1 12.30	+ 5 28.2	2.102	3.094	2.0	20.3
10 28	1 4.56	+ 5 7.3	2.141	3.101	5.7	20.6
11 7	0 58.02	+ 4 53.5	2.207	3.107	9.0	20.8
11 17	0 53.23	+ 4 49.4	2.297	3.114	11.9	21.0

96148 3991 $T\text{-}_{3}$ 10 13.7 28°.25 2°.1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.87	+ 2 15.0	1.562	2.422	15.5	18.1
9 18	1 38.42	+ 2 23.3	1.511	2.437	11.6	17.9
9 28	1 30.63	+ 2 27.6	1.481	2.454	7.3	17.7
10 8	1 21.35	+ 2 31.5	1.477	2.471	3.0	17.5
10 18	1 11.69	+ 2 38.8	1.499	2.489	3.4	17.6
10 28	1 2.84	+ 2 52.9	1.549	2.507	7.6	17.9
11 7	0 55.78	+ 3 16.5	1.624	2.527	11.6	18.2
11 17	0 51.13	+ 3 50.6	1.721	2.547	14.9	18.4

339200 2004 TE_{224} 10 13.7 338°.13 0°.8/14.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.38	+12 14.2	2.374	3.205	11.9	20.5
9 18	1 30.90	+12 0.3	2.284	3.192	9.1	20.3
9 28	1 25.81	+11 35.5	2.217	3.180	6.0	20.1
10 8	1 19.61	+11 2.1	2.176	3.168	2.5	19.9
10 18	1 12.94	+10 23.2	2.163	3.157	1.5	19.8
10 28	1 6.56	+ 9 43.3	2.179	3.146	5.0	20.0
11 7	1 1.19	+ 9 7.0	2.222	3.136	8.3	20.2
11 17	0 57.37	+ 8 38.4	2.290	3.127	11.3	20.4

208788 2002 QL_{36} 10 13.7 61°.54 4°.2/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.34	+19 36.4	1.745	2.549	16.5	19.8
9 18	1 38.16	+20 3.0	1.676	2.559	13.3	19.6
9 28	1 30.60	+20 11.4	1.628	2.570	9.6	19.4
10 8	1 21.40	+20 1.3	1.604	2.580	6.0	19.3
10 18	1 11.62	+19 34.7	1.606	2.591	4.3	19.2
10 28	1 2.47	+18 56.5	1.636	2.602	6.5	19.3
11 7	0 54.99	+18 14.0	1.692	2.612	10.0	19.6
11 17	0 49.89	+17 34.0	1.772	2.623	13.4	19.8

450244 2003 FA_{68} 10 13.7 139°.24 3°.7/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.69	− 0 24.3	2.189	3.046	11.8	20.9
9 18	1 33.30	− 1 28.8	2.124	3.050	8.8	20.8
9 28	1 27.25	− 2 36.8	2.085	3.054	5.8	20.6
10 8	1 20.11	− 3 42.7	2.072	3.058	3.7	20.5
10 18	1 12.62	− 4 40.6	2.088	3.061	4.9	20.5
10 28	1 5.58	− 5 25.1	2.132	3.064	7.7	20.7
11 7	0 59.71	− 5 52.8	2.202	3.068	10.7	20.9
11 17	0 55.53	− 6 2.6	2.295	3.071	13.3	21.1

443637 2014 OB_{6} 10 13.7 297°.99 8°.6/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.28	−12 24.6	1.808	2.675	13.4	20.3
9 18	1 34.20	−13 59.6	1.747	2.665	10.9	20.1
9 28	1 28.04	−15 29.5	1.711	2.655	9.0	20.0
10 8	1 20.45	−16 44.7	1.699	2.645	8.7	20.0
10 18	1 12.35	−17 37.4	1.712	2.636	10.1	20.0
10 28	1 4.75	−18 2.1	1.750	2.627	12.5	20.2
11 7	0 58.59	−17 57.5	1.810	2.617	15.2	20.3
11 17	0 54.49	−17 25.4	1.888	2.608	17.6	20.5

392116 2009 FW_{17} 10 13.7 146°.61 3°.0/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 38.99	+ 1 28.2	2.310	3.160	11.5	21.7
9 18	1 34.16	+ 0 27.7	2.246	3.168	8.6	21.5
9 28	1 27.74	− 0 37.5	2.206	3.176	5.4	21.4
10 8	1 20.28	− 1 42.1	2.194	3.183	3.1	21.2
10 18	1 12.51	− 2 40.6	2.212	3.190	4.1	21.3
10 28	1 5.19	− 3 27.9	2.259	3.197	7.0	21.5
11 7	0 59.02	− 4 0.4	2.333	3.203	9.9	21.7
11 17	0 54.50	− 4 16.6	2.430	3.209	12.5	21.9

57611 2001 TM_{116} 10 13.7 223°.84 2°.4/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.52	+ 1 49.7	2.210	3.057	12.1	19.3
9 18	1 36.25	+ 1 28.0	2.132	3.052	9.1	19.1
9 28	1 29.16	+ 1 2.3	2.078	3.048	5.7	18.9
10 8	1 20.84	+ 0 36.3	2.051	3.044	2.7	18.7
10 18	1 12.06	+ 0 14.3	2.054	3.039	3.4	18.7
10 28	1 3.70	+ 0 0.4	2.085	3.034	6.7	18.9
11 7	0 56.55	− 0 2.4	2.144	3.029	10.0	19.1
11 17	0 51.19	+ 0 7.5	2.226	3.024	12.9	19.3

41379 2000 AS_{105} 10 13.7 287°.92 6°.0/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 32.49	−24 2.1	4.235	5.053	7.3	18.6
9 18	1 28.76	−24 55.1	4.188	5.048	6.5	18.5
9 28	1 24.13	−25 40.2	4.165	5.044	6.0	18.5
10 8	1 18.92	−26 14.1	4.169	5.039	6.1	18.5
10 18	1 13.53	−26 34.3	4.198	5.035	6.8	18.5
10 28	1 8.36	−26 39.4	4.252	5.030	7.7	18.6
11 7	1 3.81	−26 29.0	4.329	5.026	8.7	18.7
11 17	1 0.19	−26 3.9	4.425	5.021	9.6	18.8

256774 2008 CV_{1} 10 13.7 189°.91 3°.1/16.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.48	+17 38.1	1.714	2.525	16.5	21.4
9 18	1 39.16	+17 40.9	1.633	2.525	13.1	21.1
9 28	1 31.33	+17 25.3	1.573	2.524	9.2	20.9
10 8	1 21.73	+16 52.0	1.538	2.522	5.0	20.7
10 18	1 11.40	+16 4.0	1.530	2.520	3.2	20.6
10 28	1 1.63	+15 7.7	1.550	2.518	6.5	20.8
11 7	0 53.54	+14 11.1	1.596	2.515	10.6	21.0
11 17	0 47.92	+13 21.5	1.666	2.512	14.4	21.2

2826 Ahti 10 13.7 198°.02 1°.7/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.82	+ 2 42.8	2.536	3.376	10.9	16.3
9 18	1 35.49	+ 2 31.4	2.458	3.375	8.2	16.2
9 28	1 28.58	+ 2 16.3	2.404	3.373	5.1	16.0
10 8	1 20.62	+ 2 0.5	2.379	3.372	2.2	15.8
10 18	1 12.27	+ 1 47.1	2.383	3.371	2.7	15.8
10 28	1 4.30	+ 1 39.5	2.418	3.369	5.7	16.0
11 7	0 57.39	+ 1 40.1	2.480	3.368	8.8	16.2
11 17	0 52.04	+ 1 50.6	2.568	3.366	11.4	16.4

205149 1999 XS_{110} 10 13.7 301°.18 3°.2/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.16	+17 58.7	1.680	2.501	16.4	20.0
9 18	1 35.47	+17 58.2	1.576	2.473	13.2	19.7
9 28	1 29.25	+17 37.9	1.492	2.444	9.4	19.4
10 8	1 21.06	+16 57.9	1.432	2.416	5.3	19.1
10 18	1 11.85	+16 0.8	1.398	2.388	3.4	18.9
10 28	1 2.87	+14 52.9	1.390	2.360	6.8	19.1
11 7	0 55.36	+13 43.3	1.408	2.332	11.3	19.3
11 17	0 50.27	+12 40.4	1.449	2.305	15.6	19.5

521626 2015 PC_{322} 10 13.7 13°.50 1°.3/14.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.06	+12 47.2	1.725	2.562	15.4	21.5
9 18	1 35.67	+12 44.2	1.653	2.563	11.9	21.3
9 28	1 29.03	+12 27.2	1.602	2.565	7.8	21.0
10 8	1 20.86	+11 58.3	1.575	2.567	3.4	20.8
10 18	1 12.10	+11 21.5	1.576	2.569	2.0	20.7
10 28	1 3.90	+10 42.6	1.604	2.572	6.2	21.0
11 7	0 57.23	+10 8.0	1.658	2.576	10.4	21.2
11 17	0 52.79	+ 9 42.7	1.735	2.579	14.0	21.5

395174 2010 EC_{42} 10 13.7 172°.43 1°.3/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.53	+ 8 49.5	2.058	2.899	13.1	21.9
9 18	1 34.10	+ 7 40.3	1.983	2.901	9.8	21.7
9 28	1 27.84	+ 6 18.9	1.933	2.903	6.1	21.5
10 8	1 20.38	+ 4 50.4	1.909	2.904	2.2	21.3
10 18	1 12.49	+ 3 21.8	1.915	2.905	2.7	21.3
10 28	1 5.08	+ 2 0.2	1.951	2.906	6.6	21.6
11 7	0 58.93	+ 0 52.1	2.013	2.906	10.2	21.8
11 17	0 54.61	+ 0 1.3	2.100	2.906	13.3	22.0

167686 2004 JX_{23} 10 13.7 219°.94 3°.4/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 31.62	+30 7.6	4.567	5.273	8.4	19.7
9 18	1 28.14	+29 52.3	4.467	5.272	7.1	19.6
9 28	1 23.76	+29 25.0	4.390	5.270	5.7	19.5
10 8	1 18.82	+28 46.2	4.338	5.269	4.4	19.4
10 18	1 13.66	+27 56.9	4.315	5.267	3.5	19.3
10 28	1 8.72	+26 59.4	4.321	5.266	3.7	19.3
11 7	1 4.35	+25 56.6	4.357	5.264	4.8	19.4
11 17	1 0.88	+24 51.9	4.422	5.263	6.2	19.5

396029 2013 CF_{10} 10 13.7 45°.89 1°.8/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.35	+ 5 42.6	1.752	2.607	14.3	21.1
9 18	1 34.96	+ 5 4.1	1.687	2.612	10.7	20.9
9 28	1 28.49	+ 4 16.6	1.645	2.618	6.7	20.7
10 8	1 20.63	+ 3 25.0	1.629	2.624	2.6	20.4
10 18	1 12.32	+ 2 35.5	1.640	2.630	3.2	20.5
10 28	1 4.59	+ 1 54.3	1.679	2.636	7.3	20.8
11 7	0 58.35	+ 1 26.4	1.743	2.642	11.2	21.0
11 17	0 54.21	+ 1 14.5	1.830	2.649	14.5	21.2

359957 2012 BY_{50} 10 13.7 259°.94 1°.9/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 30.61	− 0 46.7	4.491	5.337	6.4	21.3
9 18	1 27.30	− 1 21.0	4.410	5.330	4.8	21.2
9 28	1 23.20	− 1 56.7	4.355	5.323	3.1	21.0
10 8	1 18.61	− 2 31.3	4.330	5.316	1.9	20.9
10 18	1 13.82	− 3 2.7	4.335	5.309	2.5	21.0
10 28	1 9.20	− 3 28.7	4.370	5.302	4.1	21.1
11 7	1 5.07	− 3 47.5	4.433	5.295	5.8	21.2
11 17	1 1.71	− 3 57.9	4.522	5.288	7.3	21.3

272335 2005 SC_{117} 10 13.7 321°.88 3°.0/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.51	+ 2 58.9	1.343	2.214	16.9	19.9
9 18	1 37.40	+ 2 34.5	1.269	2.203	12.8	19.6
9 28	1 30.47	+ 2 2.0	1.216	2.191	8.1	19.3
10 8	1 21.49	+ 1 27.2	1.187	2.181	3.6	19.0
10 18	1 11.64	+ 0 57.2	1.182	2.170	4.6	19.0
10 28	1 2.38	+ 0 39.1	1.203	2.161	9.4	19.3
11 7	0 55.01	+ 0 38.0	1.247	2.152	14.2	19.5
11 17	0 50.42	+ 0 56.1	1.311	2.143	18.3	19.8

495620 2015 TH_{137} 10 13.7 260°.13 5°.9/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.10	−11 34.8	2.669	3.516	10.2	22.4
9 18	1 34.99	−12 27.5	2.587	3.495	8.2	22.3
9 28	1 28.31	−13 16.5	2.530	3.474	6.5	22.1
10 8	1 20.56	−13 56.3	2.500	3.452	5.9	22.0
10 18	1 12.36	−14 22.4	2.498	3.430	6.9	22.1
10 28	1 4.44	−14 31.1	2.524	3.408	8.9	22.2
11 7	0 57.51	−14 21.0	2.576	3.385	11.1	22.3
11 17	0 52.09	−13 52.6	2.649	3.362	13.2	22.4

112108 2002 JC_{39} 10 13.7 115°.38 2°.8/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.11	+18 18.3	1.610	2.424	17.3	20.3
9 18	1 38.78	+18 0.3	1.546	2.439	13.6	20.1
9 28	1 30.98	+17 21.2	1.502	2.454	9.4	19.9
10 8	1 21.57	+16 23.3	1.482	2.468	5.0	19.6
10 18	1 11.65	+15 11.6	1.490	2.481	3.0	19.5
10 28	1 2.51	+13 54.4	1.525	2.494	6.5	19.8
11 7	0 55.20	+12 40.8	1.587	2.507	10.6	20.1
11 17	0 50.38	+11 38.2	1.672	2.518	14.3	20.3

350018 2010 JL_{40} 10 13.7 178°.14 1°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.30	+ 6 28.1	2.140	2.981	12.6	21.7
9 18	1 35.38	+ 5 45.9	2.065	2.983	9.5	21.5
9 28	1 28.63	+ 4 55.0	2.014	2.984	5.9	21.3
10 8	1 20.68	+ 3 59.6	1.990	2.984	2.2	21.0
10 18	1 12.29	+ 3 5.0	1.995	2.985	2.7	21.1
10 28	1 4.36	+ 2 16.7	2.029	2.984	6.4	21.3
11 7	0 57.67	+ 1 39.6	2.091	2.984	9.9	21.5
11 17	0 52.80	+ 1 16.4	2.176	2.982	12.9	21.7

343640 2010 JM_{38} 10 13.7 186°.96 4°.1/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.66	+25 2.7	2.425	3.184	13.7	21.1
9 18	1 35.64	+24 44.8	2.333	3.184	11.3	21.0
9 28	1 28.81	+24 7.4	2.262	3.183	8.5	20.8
10 8	1 20.76	+23 11.1	2.217	3.181	5.7	20.6
10 18	1 12.24	+21 58.2	2.201	3.179	4.1	20.5
10 28	1 4.13	+20 34.2	2.214	3.176	5.4	20.6
11 7	0 57.24	+19 5.9	2.256	3.172	8.1	20.7
11 17	0 52.14	+17 40.5	2.325	3.168	10.9	20.9

355403 2007 UJ_{55} 10 13.7 280°.19 1°.9/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.67	+17 4.4	1.880	2.700	14.9	21.4
9 18	1 33.85	+16 30.9	1.790	2.688	11.8	21.1
9 28	1 27.92	+15 38.2	1.721	2.677	8.0	20.9
10 8	1 20.49	+14 28.5	1.677	2.666	4.0	20.6
10 18	1 12.42	+13 6.6	1.661	2.654	2.2	20.5
10 28	1 4.77	+11 40.2	1.673	2.643	5.9	20.7
11 7	0 58.47	+10 17.6	1.712	2.631	10.0	20.9
11 17	0 54.24	+ 9 6.3	1.776	2.620	13.7	21.1

222041 1998 UZ_{2} 10 13.7 352°.96 2°.1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.08	+16 10.7	1.178	2.036	19.6	20.0
9 18	1 32.84	+15 42.6	1.110	2.031	15.4	19.7
9 28	1 27.70	+14 48.4	1.060	2.026	10.4	19.4
10 8	1 20.49	+13 31.5	1.031	2.023	4.9	19.1
10 18	1 12.45	+11 59.6	1.026	2.021	2.6	19.0
10 28	1 5.11	+10 24.6	1.046	2.019	7.8	19.3
11 7	0 59.79	+ 8 59.2	1.088	2.019	13.2	19.6
11 17	0 57.32	+ 7 52.7	1.151	2.020	17.8	19.9

243305 2008 GJ_{146} 10 13.7 67°.94 2°.4/11.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 43.32	+ 5 15.1	1.399	2.261	16.9	20.7
9 18	1 38.16	+ 4 26.5	1.355	2.283	12.5	20.5
9 28	1 30.52	+ 3 28.3	1.332	2.306	7.7	20.3
10 8	1 21.37	+ 2 27.4	1.334	2.329	3.2	20.1
10 18	1 11.89	+ 1 31.6	1.363	2.351	4.0	20.2
10 28	1 3.36	+ 0 48.4	1.418	2.374	8.4	20.5
11 7	0 56.80	+ 0 22.7	1.497	2.396	12.6	20.8
11 17	0 52.77	+ 0 16.2	1.598	2.419	16.1	21.1

316404 2010 TP_{74} 10 13.7 129°.37 0°.5/13.3 17

9 8	1 43.50	+10 20.5	1.548	2.392	16.4	21.9
9 18	1 38.34	+ 9 36.6	1.484	2.402	12.5	21.7
9 28	1 30.73	+ 8 37.5	1.443	2.412	7.8	21.5
10 8	1 21.50	+ 7 28.3	1.426	2.421	2.8	21.2
10 18	1 11.76	+ 6 16.2	1.437	2.430	2.4	21.2
10 28	1 2.76	+ 5 9.7	1.476	2.439	7.4	21.5
11 7	0 55.57	+ 4 16.1	1.540	2.447	11.8	21.8
11 17	0 50.86	+ 3 40.1	1.627	2.455	15.5	22.1

162031 1995 VE_{14} 10 13.7 306°.89 1°.6/12.3 18

9 8	1 38.69	+ 7 20.7	1.706	2.560	14.7	20.6
9 18	1 34.63	+ 6 31.2	1.632	2.557	11.1	20.4
9 28	1 28.39	+ 5 29.5	1.581	2.554	6.9	20.1
10 8	1 20.65	+ 4 21.2	1.556	2.551	2.6	19.9
10 18	1 12.35	+ 3 13.1	1.558	2.548	3.1	19.9
10 28	1 4.58	+ 2 12.8	1.587	2.546	7.5	20.2
11 7	0 58.29	+ 1 26.8	1.642	2.543	11.6	20.4
11 17	0 54.17	+ 0 58.9	1.719	2.541	15.1	20.6

315960 2008 UB_{190} 10 13.7 26°.56 0°.6/12.7 18

9 8	1 31.97	+ 6 21.1	3.781	4.615	7.8	20.6
9 18	1 28.44	+ 5 59.2	3.705	4.620	5.8	20.4
9 28	1 23.97	+ 5 33.1	3.656	4.625	3.6	20.3
10 8	1 18.92	+ 5 4.8	3.635	4.630	1.3	20.1
10 18	1 13.66	+ 4 36.6	3.644	4.635	1.4	20.1
10 28	1 8.62	+ 4 11.1	3.684	4.641	3.7	20.3
11 7	1 4.20	+ 3 50.5	3.752	4.646	5.9	20.5
11 17	1 0.72	+ 3 36.5	3.846	4.652	7.8	20.6

302612 2002 QP_{116} 10 13.7 356°.95 0°.2/13.9 18

9 8	1 39.71	+ 9 58.1	1.540	2.392	16.1	20.8
9 18	1 35.66	+ 9 48.9	1.469	2.390	12.3	20.6
9 28	1 29.16	+ 9 26.6	1.419	2.388	7.9	20.3
10 8	1 20.97	+ 8 54.4	1.393	2.387	3.0	20.0
10 18	1 12.12	+ 8 17.2	1.393	2.387	2.1	20.0
10 28	1 3.85	+ 7 41.7	1.419	2.387	7.0	20.3
11 7	0 57.25	+ 7 14.1	1.471	2.387	11.5	20.5
11 17	0 53.06	+ 6 59.0	1.545	2.389	15.4	20.8

440395 2005 JH_{120} 10 13.7 138°.57 2°.5/11.2 18

9 8	1 40.35	+ 2 41.8	2.206	3.054	12.1	22.1
9 18	1 35.28	+ 1 55.9	2.141	3.063	9.0	21.9
9 28	1 28.50	+ 1 4.8	2.101	3.071	5.6	21.7
10 8	1 20.63	+ 0 13.1	2.088	3.080	2.8	21.5
10 18	1 12.42	− 0 34.0	2.104	3.088	3.6	21.6
10 28	1 4.70	− 1 11.5	2.150	3.095	6.8	21.8
11 7	0 58.20	− 1 36.0	2.222	3.103	9.9	22.0
11 17	0 53.46	− 1 45.6	2.318	3.109	12.7	22.2

237860 2002 GR_{131} 10 13.7 186°.91 1°.2/14.9 18

9 8	1 39.99	+14 53.5	2.024	2.843	14.0	21.4
9 18	1 35.34	+14 18.8	1.942	2.843	10.9	21.2
9 28	1 28.72	+13 28.2	1.883	2.842	7.2	21.0
10 8	1 20.76	+12 24.5	1.850	2.841	3.2	20.7
10 18	1 12.30	+11 12.7	1.846	2.840	1.8	20.6
10 28	1 4.30	+ 9 59.4	1.871	2.838	5.7	20.9
11 7	0 57.64	+ 8 51.6	1.924	2.836	9.5	21.1
11 17	0 52.93	+ 7 55.0	2.001	2.834	12.9	21.3

35320 1997 BR_{8} 10 13.7 55°.81 9°.7/ 5.3 18

9 8	1 40.19	−12 42.1	1.489	2.362	15.4	17.9
9 18	1 35.75	−14 28.8	1.457	2.377	12.4	17.7
9 28	1 28.99	−16 6.0	1.447	2.393	10.2	17.7
10 8	1 20.82	−17 22.7	1.461	2.408	9.8	17.7
10 18	1 12.33	−18 10.8	1.500	2.424	11.2	17.8
10 28	1 4.70	−18 26.2	1.561	2.440	13.6	18.0
11 7	0 58.87	−18 9.7	1.644	2.456	16.2	18.2
11 17	0 55.39	−17 25.1	1.744	2.473	18.5	18.4

390167 2012 VN_{103} 10 13.7 250°.89 0°.3/13.5 18

9 8	1 38.99	+10 32.7	1.832	2.674	14.4	21.5
9 18	1 34.77	+ 9 52.3	1.753	2.669	10.9	21.2
9 28	1 28.45	+ 8 57.9	1.697	2.665	6.9	21.0
10 8	1 20.68	+ 7 53.7	1.666	2.661	2.5	20.7
10 18	1 12.36	+ 6 45.5	1.663	2.656	2.1	20.7
10 28	1 4.50	+ 5 40.6	1.688	2.651	6.6	21.0
11 7	0 58.05	+ 4 45.8	1.739	2.647	10.6	21.2
11 17	0 53.67	+ 4 5.8	1.814	2.642	14.2	21.4

320181 2007 GM_{31} 10 13.7 101°.90 1°.1/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.35	+ 7 29.0	2.261	3.102	12.0	20.9
9 18	1 33.04	+ 6 44.6	2.191	3.109	9.0	20.7
9 28	1 27.11	+ 5 51.4	2.146	3.116	5.6	20.5
10 8	1 20.13	+ 4 53.6	2.128	3.123	2.0	20.3
10 18	1 12.79	+ 3 56.0	2.139	3.130	2.3	20.3
10 28	1 5.90	+ 3 4.1	2.179	3.137	5.8	20.5
11 7	1 0.15	+ 2 22.4	2.247	3.143	9.1	20.8
11 17	0 56.04	+ 1 53.8	2.339	3.150	12.0	21.0

7429 Hoshikawa 10 13.7 154°.19 0°.4/14.1 18 R

9 8	1 39.56	+11 9.0	2.098	2.929	13.2	17.3
9 18	1 34.91	+10 49.0	2.021	2.931	10.1	17.1
9 28	1 28.40	+10 17.5	1.967	2.932	6.5	16.9
10 8	1 20.64	+ 9 37.4	1.940	2.933	2.5	16.6
10 18	1 12.41	+ 8 52.8	1.940	2.934	1.6	16.6
10 28	1 4.62	+ 8 8.8	1.970	2.935	5.6	16.9
11 7	0 58.10	+ 7 30.8	2.027	2.936	9.3	17.1
11 17	0 53.43	+ 7 2.8	2.109	2.937	12.4	17.3

101938 1999 RK_{23} 10 13.7 119°.52 6°.1/ 7.2 18

9 8	1 41.75	− 1 46.3	1.689	2.553	14.3	19.0
9 18	1 36.67	− 4 9.4	1.643	2.571	10.8	18.8
9 28	1 29.49	− 6 36.4	1.623	2.589	7.5	18.7
10 8	1 21.00	− 8 55.4	1.632	2.606	6.1	18.6
10 18	1 12.19	−10 55.4	1.668	2.623	7.9	18.8
10 28	1 4.12	−12 28.0	1.733	2.638	11.0	19.0
11 7	0 57.67	−13 29.5	1.821	2.653	14.1	19.2
11 17	0 53.40	−14 0.5	1.929	2.667	16.7	19.4

114794 2003 NM_{1} 10 13.7 69°.83 0°.3/14.1 18

9 8	1 38.55	+11 54.4	2.111	2.941	13.2	19.9
9 18	1 33.96	+11 18.5	2.054	2.963	10.0	19.8
9 28	1 27.67	+10 30.8	2.020	2.985	6.3	19.6
10 8	1 20.32	+ 9 34.8	2.013	3.006	2.4	19.4
10 18	1 12.70	+ 8 35.5	2.034	3.028	1.6	19.4
10 28	1 5.64	+ 7 38.5	2.084	3.049	5.4	19.7
11 7	0 59.87	+ 6 49.3	2.162	3.071	8.8	19.9
11 17	0 55.86	+ 6 11.5	2.265	3.092	11.8	20.1

363445 2003 ST_{144} 10 13.7 11°.40 5°.0/18.9 17

9 8	1 32.15	+24 54.6	1.511	2.321	18.4	19.3
9 18	1 30.06	+24 29.9	1.445	2.327	15.1	19.1
9 28	1 25.64	+23 36.5	1.397	2.334	11.3	18.9
10 8	1 19.66	+22 15.7	1.371	2.343	7.4	18.7
10 18	1 13.16	+20 33.2	1.369	2.354	5.0	18.6
10 28	1 7.31	+18 38.8	1.394	2.365	6.7	18.7
11 7	1 3.09	+16 44.3	1.445	2.378	10.3	18.9
11 17	1 1.15	+15 0.3	1.519	2.392	14.0	19.2

410960 2009 SV_{353} 10 13.7 167°.15 1°.7/11.9 18

9 8	1 40.32	+ 3 0.8	2.530	3.371	10.9	21.1
9 18	1 35.12	+ 2 43.2	2.455	3.372	8.2	21.0
9 28	1 28.37	+ 2 21.5	2.405	3.374	5.1	20.8
10 8	1 20.60	+ 1 58.9	2.382	3.375	2.2	20.6
10 18	1 12.46	+ 1 38.7	2.389	3.377	2.7	20.6
10 28	1 4.71	+ 1 24.5	2.427	3.378	5.8	20.8
11 7	0 58.02	+ 1 19.1	2.491	3.379	8.7	21.0
11 17	0 52.88	+ 1 24.0	2.581	3.379	11.3	21.2

71082 1999 XV_{120} 10 13.7 34°.43 5°.1/18.4 18

9 8	1 39.13	+23 22.2	1.576	2.378	18.1	18.7
9 18	1 35.28	+23 24.5	1.507	2.385	14.8	18.5
9 28	1 28.94	+23 1.9	1.456	2.392	11.0	18.3
10 8	1 20.90	+22 14.6	1.428	2.400	7.2	18.1
10 18	1 12.25	+21 6.1	1.426	2.408	5.1	18.0
10 28	1 4.26	+19 44.1	1.449	2.417	6.9	18.1
11 7	0 58.03	+18 18.6	1.498	2.425	10.5	18.4
11 17	0 54.27	+16 59.1	1.571	2.435	14.1	18.6

437261 2012 XE_{110} 10 13.7 2°.42 2°.1/13.0 18

9 8	1 45.96	+ 0 35.6	1.033	1.916	19.9	19.0
9 18	1 41.35	+ 1 28.9	0.975	1.913	15.2	18.7
9 28	1 33.22	+ 2 22.7	0.936	1.912	9.7	18.4
10 8	1 22.58	+ 3 19.2	0.918	1.913	3.8	18.1
10 18	1 11.00	+ 4 20.1	0.924	1.916	3.8	18.1
10 28	1 0.39	+ 5 26.7	0.954	1.921	9.6	18.4
11 7	0 52.34	+ 6 39.5	1.006	1.929	15.0	18.8
11 17	0 47.77	+ 7 58.4	1.078	1.938	19.5	19.1

128051 2003 MT_{6} 10 13.7 65°.53 3°.6/10.3 18

9 8	1 39.04	+ 4 30.4	1.503	2.369	15.7	18.5
9 18	1 34.82	+ 2 49.1	1.459	2.391	11.5	18.3
9 28	1 28.39	+ 0 58.2	1.438	2.413	7.2	18.1
10 8	1 20.61	− 0 52.6	1.443	2.434	3.8	18.0
10 18	1 12.53	− 2 33.1	1.475	2.456	5.3	18.1
10 28	1 5.27	− 3 54.3	1.535	2.478	9.2	18.4
11 7	0 59.72	− 4 51.0	1.618	2.500	12.9	18.7
11 17	0 56.41	− 5 21.6	1.723	2.522	16.1	19.0

249746 2000 SN_{236} 10 13.7 24°.17 0°.4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 43.15	+ 9 41.9	1.132	1.998	19.7	19.8
9 18	1 38.92	+ 9 43.5	1.075	2.003	15.1	19.5
9 28	1 31.52	+ 9 29.6	1.036	2.008	9.6	19.2
10 8	1 21.90	+ 9 3.6	1.019	2.014	3.7	18.9
10 18	1 11.52	+ 8 31.5	1.026	2.021	2.5	18.9
10 28	1 2.06	+ 8 1.3	1.058	2.028	8.4	19.2
11 7	0 54.92	+ 7 40.7	1.113	2.036	13.7	19.6
11 17	0 50.92	+ 7 34.6	1.187	2.044	18.2	19.9

235245 2003 ST_{310} 10 13.7 50°.80 5°.6/17.5 18

9 8	1 48.00	+20 5.4	1.484	2.290	18.9	19.8
9 18	1 42.05	+21 5.0	1.427	2.309	15.2	19.6
9 28	1 33.24	+21 44.6	1.389	2.328	11.2	19.4
10 8	1 22.49	+22 2.1	1.375	2.347	7.4	19.3
10 18	1 11.10	+21 58.2	1.386	2.367	5.6	19.2
10 28	1 0.58	+21 37.5	1.424	2.387	7.6	19.4
11 7	0 52.16	+21 7.9	1.487	2.407	11.2	19.7
11 17	0 46.62	+20 37.5	1.573	2.427	14.6	19.9

457910 2009 UH_{16} 10 13.7 24°.96 7°.1/ 9.9 18

9 8	1 45.57	− 9 50.9	1.447	2.315	16.1	18.9
9 18	1 39.71	−10 2.4	1.410	2.334	12.5	18.7
9 28	1 31.42	−10 5.7	1.395	2.355	9.1	18.6
10 8	1 21.70	− 9 54.8	1.403	2.376	7.1	18.5
10 18	1 11.76	− 9 25.5	1.438	2.399	8.0	18.7
10 28	1 2.86	− 8 36.4	1.497	2.423	10.9	18.9
11 7	0 55.95	− 7 29.2	1.581	2.448	14.0	19.1
11 17	0 51.59	− 6 7.1	1.685	2.473	16.8	19.4

90223 2003 BD_{13} 10 13.7 134°.85 3°.4/10.6 18

9 8	1 41.19	+ 2 18.6	1.788	2.645	14.0	19.3
9 18	1 36.28	+ 1 12.2	1.727	2.653	10.4	19.1
9 28	1 29.30	− 0 1.0	1.690	2.661	6.6	18.9
10 8	1 20.98	− 1 14.3	1.679	2.669	3.6	18.7
10 18	1 12.24	− 2 20.2	1.696	2.676	4.8	18.8
10 28	1 4.12	− 3 12.0	1.741	2.683	8.3	19.0
11 7	0 57.50	− 3 45.3	1.811	2.690	11.9	19.3
11 17	0 52.98	− 3 58.5	1.904	2.696	15.0	19.5

264097 2009 SK_{294} 10 13.7 282°.09 1°.7/15.5 18

9 8	1 37.20	+15 47.4	2.220	3.035	13.1	20.8
9 18	1 33.17	+15 25.6	2.130	3.027	10.2	20.6
9 28	1 27.35	+14 49.0	2.062	3.018	6.9	20.4
10 8	1 20.29	+13 59.8	2.021	3.009	3.4	20.1
10 18	1 12.71	+13 1.5	2.007	3.000	1.9	20.0
10 28	1 5.48	+11 59.6	2.023	2.992	5.2	20.2
11 7	0 59.39	+11 0.2	2.067	2.983	8.7	20.4
11 17	0 55.05	+10 8.8	2.135	2.974	11.9	20.6

339277 2004 XS_{9} 10 13.7 355°.47 2°.2/15.4 18

9 8	1 38.50	+14 48.7	1.378	2.224	17.9	19.9
9 18	1 35.09	+14 45.8	1.307	2.221	14.0	19.6
9 28	1 28.98	+14 23.5	1.255	2.218	9.5	19.3
10 8	1 20.97	+13 43.8	1.226	2.217	4.6	19.1
10 18	1 12.20	+12 51.8	1.222	2.215	2.6	18.9
10 28	1 4.05	+11 55.2	1.243	2.215	7.1	19.2
11 7	0 57.74	+11 3.1	1.289	2.216	11.9	19.5
11 17	0 54.08	+10 22.7	1.356	2.217	16.1	19.8

50120 2000 AC_{120} 10 13.7 111°.57 2°.7/11.4 18

9 8	1 41.06	+ 5 19.2	1.580	2.439	15.4	19.0
9 18	1 36.43	+ 4 12.6	1.520	2.448	11.5	18.8
9 28	1 29.50	+ 2 55.3	1.483	2.456	7.1	18.5
10 8	1 21.07	+ 1 34.5	1.471	2.465	3.2	18.3
10 18	1 12.18	+ 0 18.4	1.487	2.473	4.2	18.4
10 28	1 3.99	− 0 44.6	1.530	2.481	8.4	18.7
11 7	0 57.48	− 1 28.8	1.597	2.489	12.4	18.9
11 17	0 53.28	− 1 51.6	1.687	2.497	15.9	19.2

70753 1999 VL_{26} 10 13.7 342°.50 1°.9/12.3 18

9 8	1 39.17	+ 5 31.6	1.474	2.340	16.0	18.8
9 18	1 35.35	+ 5 3.4	1.403	2.334	12.1	18.5
9 28	1 29.04	+ 4 24.8	1.353	2.328	7.5	18.2
10 8	1 20.97	+ 3 41.2	1.327	2.322	3.0	17.9
10 18	1 12.22	+ 2 59.0	1.327	2.318	3.5	18.0
10 28	1 4.04	+ 2 25.5	1.353	2.314	8.2	18.3
11 7	0 57.55	+ 2 6.3	1.403	2.310	12.7	18.5
11 17	0 53.52	+ 2 4.6	1.474	2.307	16.6	18.7

223158 2002 XU_{49} 10 13.7 329°.80 4°.5/17.3 18

9 8	1 39.11	+20 37.1	1.388	2.212	19.0	20.3
9 18	1 35.71	+20 40.9	1.310	2.205	15.4	20.1
9 28	1 29.49	+20 19.7	1.250	2.198	11.2	19.8
10 8	1 21.20	+19 33.1	1.212	2.192	6.8	19.5
10 18	1 12.03	+18 24.9	1.198	2.186	4.6	19.4
10 28	1 3.43	+17 3.4	1.210	2.181	7.4	19.5
11 7	0 56.73	+15 39.8	1.246	2.176	11.9	19.8
11 17	0 52.82	+14 24.6	1.304	2.172	16.2	20.0

7514 1986 ED 10 13.7 151°.80 0°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 44.55	+ 7 47.0	1.944	2.779	13.9	18.6
9 18	1 38.70	+ 7 16.4	1.875	2.789	10.5	18.4
9 28	1 30.80	+ 6 36.1	1.829	2.797	6.6	18.1
10 8	1 21.54	+ 5 49.8	1.811	2.805	2.4	17.9
10 18	1 11.85	+ 5 2.8	1.821	2.813	2.4	17.9
10 28	1 2.74	+ 4 20.7	1.860	2.819	6.5	18.2
11 7	0 55.11	+ 3 48.5	1.927	2.825	10.3	18.4
11 17	0 49.58	+ 3 29.6	2.018	2.830	13.5	18.7

494232 2016 NL_{50} 10 13.7 12°.47 1°.0/13.0 18

9 8	1 35.49	+ 9 6.8	1.064	1.947	19.4	19.7
9 18	1 33.16	+ 8 29.8	1.013	1.951	14.7	19.4
9 28	1 27.86	+ 7 34.8	0.979	1.957	9.2	19.1
10 8	1 20.56	+ 6 28.8	0.967	1.964	3.3	18.8
10 18	1 12.59	+ 5 21.3	0.979	1.972	3.2	18.8
10 28	1 5.51	+ 4 23.1	1.013	1.982	9.0	19.2
11 7	1 0.57	+ 3 42.8	1.070	1.993	14.2	19.5
11 17	0 58.50	+ 3 24.6	1.146	2.006	18.5	19.9

66065 1998 RB_{13} 10 13.7 38°.29 0°.1/13.8 18

9 8	1 38.51	+10 2.9	1.856	2.699	14.2	19.0
9 18	1 34.23	+ 9 42.3	1.794	2.711	10.7	18.8
9 28	1 28.00	+ 9 10.5	1.756	2.724	6.8	18.6
10 8	1 20.51	+ 8 30.7	1.742	2.737	2.5	18.4
10 18	1 12.63	+ 7 47.9	1.757	2.751	1.8	18.3
10 28	1 5.33	+ 7 7.7	1.799	2.765	6.0	18.7
11 7	0 59.44	+ 6 35.3	1.868	2.779	9.8	18.9
11 17	0 55.52	+ 6 14.4	1.960	2.794	13.0	19.2

229396 2005 SA_{129} 10 13.7 296°.59 0°.6/13.4 18

9 8	1 41.36	+ 8 34.0	1.497	2.351	16.4	20.5
9 18	1 37.22	+ 8 17.0	1.411	2.334	12.6	20.2
9 28	1 30.39	+ 7 46.9	1.345	2.316	8.0	19.9
10 8	1 21.57	+ 7 7.1	1.304	2.299	2.9	19.6
10 18	1 11.82	+ 6 23.2	1.289	2.282	2.6	19.5
10 28	1 2.48	+ 5 42.7	1.300	2.265	7.9	19.8
11 7	0 54.83	+ 5 12.6	1.336	2.249	12.8	20.0
11 17	0 49.77	+ 4 57.8	1.393	2.233	17.0	20.3

325704 2009 UZ_{68} 10 13.7 77°.70 1°.6/14.8 16

9 8	1 48.91	+12 19.9	1.444	2.277	18.0	20.8
9 18	1 42.48	+12 32.3	1.393	2.302	13.8	20.6
9 28	1 33.35	+12 29.6	1.363	2.325	9.0	20.4
10 8	1 22.51	+12 13.9	1.358	2.349	4.0	20.2
10 18	1 11.25	+11 49.1	1.379	2.373	2.3	20.1
10 28	1 0.99	+11 21.7	1.428	2.396	6.9	20.5
11 7	0 52.85	+10 58.0	1.502	2.419	11.4	20.8
11 17	0 47.50	+10 43.1	1.600	2.441	15.1	21.1

140299 2001 SU_{311} 10 13.8 267°.50 0°.5/13.2 18

9 8	1 37.75	+ 9 59.2	2.081	2.919	13.0	20.6
9 18	1 33.70	+ 9 12.7	1.990	2.905	9.9	20.4
9 28	1 27.76	+ 8 13.4	1.922	2.891	6.3	20.1
10 8	1 20.49	+ 7 5.1	1.881	2.876	2.3	19.8
10 18	1 12.66	+ 5 53.2	1.869	2.862	2.1	19.8
10 28	1 5.16	+ 4 44.5	1.886	2.847	6.2	20.0
11 7	0 58.86	+ 3 45.3	1.929	2.832	10.0	20.2
11 17	0 54.37	+ 3 0.3	1.997	2.817	13.4	20.4

107777 2001 FO_{47} 10 13.8 120°.83 1°.0/14.6 18

9 8	1 44.73	+11 45.4	2.077	2.897	13.7	19.7
9 18	1 38.76	+11 49.1	2.007	2.909	10.5	19.5
9 28	1 30.82	+11 41.9	1.961	2.921	6.9	19.3
10 8	1 21.58	+11 25.6	1.941	2.933	2.9	19.1
10 18	1 11.90	+11 3.3	1.950	2.944	1.7	19.0
10 28	1 2.77	+10 39.2	1.989	2.955	5.5	19.3
11 7	0 55.06	+10 18.1	2.056	2.966	9.1	19.5
11 17	0 49.36	+10 3.6	2.148	2.976	12.3	19.8

328837 2009 WU_{47} 10 13.8 312°.06 3°.6/17.8 18

9 8	1 36.04	+22 1.4	2.146	2.938	14.3	20.2
9 18	1 32.46	+21 44.0	2.052	2.927	11.6	20.0
9 28	1 27.00	+21 7.0	1.979	2.916	8.5	19.8
10 8	1 20.21	+20 11.3	1.931	2.906	5.3	19.6
10 18	1 12.87	+19 0.0	1.910	2.896	3.6	19.5
10 28	1 5.88	+17 38.9	1.918	2.886	5.5	19.6
11 7	1 0.10	+16 15.4	1.953	2.876	8.7	19.7
11 17	0 56.16	+14 56.9	2.014	2.867	11.9	19.9

395592 2011 UT_{314} 10 13.8 119°.18 2°.4/11.5 18

9 8	1 40.20	+ 3 4.5	2.001	2.852	12.9	21.1
9 18	1 35.40	+ 2 25.3	1.934	2.857	9.7	20.9
9 28	1 28.72	+ 1 40.1	1.890	2.861	6.1	20.7
10 8	1 20.80	+ 0 53.7	1.873	2.866	2.8	20.5
10 18	1 12.47	+ 0 11.6	1.885	2.870	3.7	20.6
10 28	1 4.65	− 0 21.0	1.925	2.874	7.1	20.8
11 7	0 58.15	− 0 40.4	1.991	2.878	10.6	21.1
11 17	0 53.55	− 0 44.5	2.080	2.882	13.6	21.3

236331 2006 BF_{93} 10 13.8 154°.40 4°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 44.92	+22 16.6	2.178	2.951	14.6	21.9
9 18	1 39.06	+22 36.4	2.097	2.958	11.9	21.7
9 28	1 31.11	+22 39.0	2.038	2.965	8.9	21.5
10 8	1 21.72	+22 23.9	2.004	2.971	5.9	21.3
10 18	1 11.78	+21 52.4	1.998	2.977	4.4	21.3
10 28	1 2.32	+21 8.8	2.021	2.982	5.9	21.4
11 7	0 54.26	+20 19.2	2.072	2.986	8.8	21.6
11 17	0 48.26	+19 30.1	2.149	2.990	11.8	21.8

310154 2011 QN_{23} 10 13.8 40°.79 3°.3/16.5 18

9 8	1 40.22	+18 22.0	1.377	2.209	18.8	20.5
9 18	1 36.10	+18 13.2	1.329	2.231	14.7	20.3
9 28	1 29.40	+17 41.7	1.299	2.254	10.2	20.1
10 8	1 21.08	+16 50.0	1.292	2.278	5.5	19.9
10 18	1 12.33	+15 44.1	1.311	2.302	3.4	19.8
10 28	1 4.50	+14 32.7	1.355	2.327	6.7	20.1
11 7	0 58.63	+13 25.4	1.425	2.352	11.0	20.4
11 17	0 55.32	+12 29.6	1.517	2.378	14.7	20.7

36119 1999 RQ_{135} 10 13.8 108°.06 0°.8/13.2 18

9 8	1 45.80	+ 8 32.3	1.569	2.412	16.3	19.3
9 18	1 39.97	+ 8 2.0	1.512	2.430	12.3	19.1
9 28	1 31.72	+ 7 19.6	1.478	2.447	7.7	18.8
10 8	1 21.93	+ 6 29.8	1.469	2.464	2.7	18.6
10 18	1 11.71	+ 5 38.9	1.488	2.481	2.6	18.6
10 28	1 2.33	+ 4 53.9	1.535	2.497	7.3	18.9
11 7	0 54.80	+ 4 20.7	1.607	2.512	11.5	19.2
11 17	0 49.75	+ 4 2.7	1.702	2.527	15.1	19.5

350008 2010 GW_{157} 10 13.8 133°.86 2°.2/16.0 18

9 8	1 39.28	+18 3.2	1.951	2.761	14.8	20.8
9 18	1 34.88	+17 28.4	1.874	2.766	11.6	20.6
9 28	1 28.48	+16 35.0	1.820	2.772	8.0	20.4
10 8	1 20.75	+15 25.4	1.790	2.777	4.1	20.2
10 18	1 12.55	+14 4.6	1.789	2.782	2.3	20.0
10 28	1 4.88	+12 39.9	1.817	2.786	5.6	20.3
11 7	0 58.60	+11 19.2	1.873	2.791	9.4	20.5
11 17	0 54.33	+10 9.1	1.953	2.795	12.7	20.7

132474 2002 JU_{12} 10 13.8 117°.97 2°.8/11.3 18

9 8	1 41.88	+ 2 34.6	1.864	2.717	13.7	20.1
9 18	1 36.74	+ 1 52.1	1.802	2.726	10.2	19.9
9 28	1 29.60	+ 1 3.7	1.763	2.735	6.4	19.7
10 8	1 21.14	+ 0 14.9	1.751	2.743	3.1	19.5
10 18	1 12.28	− 0 28.6	1.767	2.752	4.0	19.6
10 28	1 4.02	− 1 1.1	1.811	2.759	7.6	19.8
11 7	0 57.22	− 1 18.9	1.881	2.767	11.2	20.1
11 17	0 52.47	− 1 20.4	1.974	2.775	14.2	20.3

374762 2006 SH_{275} 10 13.8 16°.90 1°.1/14.3 18

9 8	1 38.70	+10 37.9	0.917	1.802	21.6	19.7
9 18	1 35.98	+10 50.2	0.872	1.809	16.6	19.5
9 28	1 29.83	+10 43.8	0.843	1.818	10.7	19.2
10 8	1 21.36	+10 22.2	0.835	1.830	4.3	18.9
10 18	1 12.15	+ 9 51.9	0.848	1.842	2.6	18.9
10 28	1 4.04	+ 9 22.2	0.883	1.857	8.8	19.3
11 7	0 58.47	+ 9 1.6	0.939	1.873	14.3	19.6
11 17	0 56.23	+ 8 55.7	1.014	1.891	19.0	20.0

24574 3312 T_{-1} 10 13.8 134°.36 0°.4/14.1 18

9 8	1 41.08	+11 12.4	1.871	2.705	14.4	19.4
9 18	1 36.29	+10 53.1	1.797	2.708	11.0	19.2
9 28	1 29.41	+10 21.2	1.746	2.711	7.1	19.0
10 8	1 21.11	+ 9 39.5	1.720	2.714	2.8	18.7
10 18	1 12.29	+ 8 52.8	1.722	2.716	1.8	18.7
10 28	1 4.00	+ 8 7.0	1.753	2.719	6.1	19.0
11 7	0 57.14	+ 7 28.0	1.810	2.721	10.1	19.2
11 17	0 52.37	+ 7 0.1	1.891	2.723	13.5	19.4

306189 2011 NS_3 10 13.8 47°.10 5°.6/17.5 18

9 8	1 49.39	+20 1.9	1.473	2.278	19.0	19.7
9 18	1 42.99	+21 4.9	1.424	2.305	15.3	19.5
9 28	1 33.77	+21 47.4	1.396	2.334	11.2	19.4
10 8	1 22.72	+22 7.3	1.390	2.362	7.3	19.2
10 18	1 11.18	+22 5.6	1.411	2.391	5.6	19.2
10 28	1 0.61	+21 47.2	1.458	2.421	7.5	19.4
11 7	0 52.24	+21 20.1	1.531	2.450	11.0	19.7
11 17	0 46.74	+20 52.0	1.627	2.480	14.3	19.9

128854 2004 SL_{16} 10 13.8 325°.38 6°.1/ 8.1 18

9 8	1 36.62	− 5 9.1	1.736	2.610	13.5	19.0
9 18	1 33.17	− 6 16.5	1.660	2.591	10.5	18.7
9 28	1 27.58	− 7 25.3	1.607	2.573	7.5	18.5
10 8	1 20.49	− 8 27.7	1.580	2.556	6.1	18.4
10 18	1 12.76	− 9 15.9	1.578	2.539	7.5	18.5
10 28	1 5.45	− 9 43.4	1.602	2.523	10.6	18.6
11 7	0 59.52	− 9 47.0	1.648	2.507	14.0	18.8
11 17	0 55.67	− 9 26.3	1.715	2.493	17.0	19.0

370544 2003 TA_{15} 10 13.8 340°.08 0°.5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 39.20	+ 5 17.5	0.903	1.798	20.9	19.7
9 18	1 37.01	+ 5 56.5	0.832	1.776	16.2	19.3
9 28	1 31.04	+ 6 28.6	0.777	1.756	10.5	18.9
10 8	1 22.06	+ 6 56.3	0.742	1.738	3.9	18.5
10 18	1 11.52	+ 7 22.9	0.728	1.722	3.2	18.4
10 28	1 1.52	+ 7 53.3	0.735	1.708	10.1	18.7
11 7	0 54.05	+ 8 32.3	0.761	1.697	16.5	19.0
11 17	0 50.39	+ 9 23.0	0.805	1.688	22.0	19.3

431718 2008 EZ_{147} 10 13.8 215°.52 0°.9/14.5 15

9 8	1 44.71	+12 15.4	1.832	2.658	15.0	22.6
9 18	1 39.25	+12 4.4	1.746	2.651	11.6	22.3
9 28	1 31.43	+11 39.5	1.682	2.644	7.6	22.1
10 8	1 21.93	+11 3.0	1.644	2.636	3.2	21.8
10 18	1 11.71	+10 19.0	1.633	2.627	1.9	21.7
10 28	1 1.94	+ 9 33.3	1.652	2.618	6.4	22.0
11 7	0 53.68	+ 8 52.5	1.697	2.608	10.6	22.2
11 17	0 47.70	+ 8 21.8	1.767	2.598	14.4	22.4

115187 2003 SD_{103} 10 13.8 12°.96 0°.2/13.8 18

9 8	1 36.76	+10 51.7	0.971	1.854	20.8	18.9
9 18	1 34.42	+10 27.3	0.920	1.857	15.9	18.6
9 28	1 28.84	+ 9 41.8	0.886	1.862	10.1	18.3
10 8	1 21.02	+ 8 41.2	0.872	1.868	3.8	18.0
10 18	1 12.43	+ 7 34.7	0.881	1.875	2.8	18.0
10 28	1 4.80	+ 6 34.0	0.912	1.884	9.0	18.4
11 7	0 59.54	+ 5 49.2	0.965	1.894	14.6	18.7
11 17	0 57.42	+ 5 25.9	1.036	1.906	19.3	19.1

487174 2014 OF_{284} 10 13.8 282°.36 3°.0/16.5 18

9 8	1 41.29	+17 29.4	2.220	3.021	13.6	21.4
9 18	1 36.34	+17 47.5	2.131	3.015	10.8	21.2
9 28	1 29.44	+17 52.0	2.065	3.010	7.6	21.0
10 8	1 21.16	+17 43.4	2.024	3.004	4.5	20.8
10 18	1 12.29	+17 23.1	2.011	2.999	3.0	20.7
10 28	1 3.76	+16 54.9	2.027	2.994	5.4	20.9
11 7	0 56.45	+16 23.9	2.071	2.988	8.7	21.1
11 17	0 51.02	+15 55.1	2.140	2.983	11.8	21.2

378645 2008 GU_{10} 10 13.8 147°.31 0°.9/12.9 17

9 8	1 43.81	+ 8 0.6	1.784	2.625	14.7	21.7
9 18	1 38.37	+ 7 27.5	1.716	2.633	11.1	21.5
9 28	1 30.72	+ 6 43.6	1.671	2.640	7.0	21.2
10 8	1 21.61	+ 5 53.0	1.652	2.647	2.5	21.0
10 18	1 12.02	+ 5 1.5	1.661	2.653	2.5	21.0
10 28	1 3.05	+ 4 15.5	1.699	2.659	6.9	21.3
11 7	0 55.64	+ 3 40.5	1.763	2.664	10.9	21.5
11 17	0 50.46	+ 3 20.1	1.850	2.669	14.3	21.8

32545 2001 QV_{13} 10 13.8 10°.86 3°.9/16.5 18

9 8	1 41.81	+16 49.1	1.502	2.331	17.6	17.3
9 18	1 37.47	+17 27.5	1.433	2.333	14.0	17.1
9 28	1 30.47	+17 48.7	1.384	2.337	9.9	16.9
10 8	1 21.60	+17 52.4	1.358	2.341	5.8	16.7
10 18	1 12.00	+17 40.1	1.358	2.346	4.0	16.6
10 28	1 3.00	+17 17.0	1.383	2.352	7.0	16.8
11 7	0 55.83	+16 50.0	1.433	2.359	11.0	17.0
11 17	0 51.27	+16 25.9	1.506	2.367	14.8	17.3

234728 2002 KB_{16} 10 13.8 47°.19 0°.9/13.1 18

9 8	1 40.76	+ 8 37.0	1.428	2.286	16.8	20.3
9 18	1 36.33	+ 8 1.5	1.380	2.305	12.6	20.1
9 28	1 29.49	+ 7 13.2	1.353	2.325	7.8	19.8
10 8	1 21.14	+ 6 17.6	1.350	2.346	2.8	19.6
10 18	1 12.41	+ 5 21.8	1.374	2.367	2.7	19.6
10 28	1 4.53	+ 4 33.5	1.424	2.388	7.5	20.0
11 7	0 58.50	+ 3 58.6	1.499	2.409	11.8	20.3
11 17	0 54.90	+ 3 40.5	1.595	2.431	15.4	20.6

410138 2007 HZ_{21} 10 13.8 222°.23 1°.6/12.1 18

9 8	1 38.97	+ 4 20.4	2.474	3.316	11.1	21.9
9 18	1 34.24	+ 3 52.4	2.393	3.311	8.3	21.7
9 28	1 27.93	+ 3 18.6	2.337	3.306	5.2	21.5
10 8	1 20.56	+ 2 42.7	2.308	3.301	2.2	21.3
10 18	1 12.78	+ 2 8.4	2.308	3.296	2.7	21.3
10 28	1 5.34	+ 1 40.0	2.338	3.291	5.8	21.5
11 7	0 58.93	+ 1 20.8	2.396	3.285	8.9	21.7
11 17	0 54.08	+ 1 13.2	2.478	3.279	11.7	21.9

225705 2001 QJ_{231} 10 13.8 26°.36 3°.7/16.7 18

9 8	1 39.12	+18 59.7	1.291	2.126	19.6	20.0
9 18	1 35.69	+18 53.8	1.228	2.133	15.6	19.7
9 28	1 29.42	+18 22.8	1.184	2.139	10.9	19.5
10 8	1 21.21	+17 28.2	1.162	2.147	6.1	19.3
10 18	1 12.32	+16 15.6	1.164	2.155	3.8	19.2
10 28	1 4.22	+14 54.7	1.192	2.164	7.3	19.4
11 7	0 58.14	+13 36.6	1.243	2.174	11.9	19.7
11 17	0 54.85	+12 30.6	1.317	2.184	16.1	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
487057 2014 OR_{79}			10 13.8	11°57	3°1/16.4	17
	h m	° ′			°	m
9 8	1 40.73	+16 59.9	1.891	2.705	15.1	21.5
9 18	1 36.15	+17 18.3	1.814	2.707	12.0	21.3
9 28	1 29.41	+17 21.6	1.758	2.708	8.4	21.1
10 8	1 21.17	+17 10.1	1.728	2.711	4.8	20.9
10 18	1 12.33	+16 46.2	1.724	2.713	3.1	20.8
10 28	1 3.97	+16 14.2	1.748	2.716	5.9	20.9
11 7	0 57.04	+15 40.3	1.798	2.719	9.5	21.2
11 17	0 52.24	+15 10.2	1.873	2.723	12.9	21.4
357720 2005 QZ_{116}			10 13.8	229°42	0°9/12.9	18
9 8	1 38.61	+ 8 2.1	2.040	2.883	13.1	21.1
9 18	1 34.27	+ 7 25.8	1.965	2.883	9.8	20.9
9 28	1 28.08	+ 6 39.5	1.912	2.882	6.2	20.7
10 8	1 20.64	+ 5 47.0	1.887	2.882	2.2	20.4
10 18	1 12.73	+ 4 53.6	1.889	2.881	2.3	20.4
10 28	1 5.27	+ 4 5.0	1.921	2.881	6.2	20.7
11 7	0 59.07	+ 3 26.4	1.979	2.880	9.9	20.9
11 17	0 54.71	+ 3 1.2	2.061	2.880	13.0	21.1
390941 2005 GS_{206}			10 13.8	56°96	2°5/11.9	18
9 8	1 43.79	+ 2 15.0	1.694	2.549	14.7	20.1
9 18	1 38.31	+ 1 59.1	1.639	2.563	11.0	19.9
9 28	1 30.64	+ 1 38.6	1.606	2.578	6.9	19.7
10 8	1 21.56	+ 1 17.9	1.600	2.593	3.1	19.5
10 18	1 12.10	+ 1 1.9	1.621	2.608	3.8	19.6
10 28	1 3.37	+ 0 55.2	1.669	2.623	7.6	19.9
11 7	0 56.30	+ 1 0.7	1.744	2.639	11.4	20.1
11 17	0 51.48	+ 1 19.7	1.841	2.654	14.6	20.4
225080 2007 JA_{23}			10 13.8	192°71	5°2/20.4	18
9 8	1 38.47	+28 19.1	2.577	3.317	13.4	20.8
9 18	1 34.04	+28 22.0	2.486	3.316	11.3	20.7
9 28	1 27.89	+28 6.0	2.415	3.315	8.9	20.5
10 8	1 20.57	+27 30.6	2.369	3.314	6.6	20.4
10 18	1 12.78	+26 37.3	2.349	3.313	5.2	20.3
10 28	1 5.36	+25 29.9	2.359	3.311	5.8	20.3
11 7	0 59.05	+24 14.4	2.396	3.310	7.8	20.5
11 17	0 54.43	+22 57.4	2.460	3.308	10.2	20.6
513906 2013 YA_{54}			10 13.8	318°40	1°4/14.8	18
9 8	1 39.15	+13 0.4	1.303	2.158	18.3	21.3
9 18	1 35.94	+12 54.3	1.221	2.141	14.3	21.0
9 28	1 29.81	+12 29.3	1.157	2.125	9.5	20.7
10 8	1 21.47	+11 47.4	1.116	2.109	4.2	20.3
10 18	1 12.07	+10 53.8	1.100	2.094	2.4	20.2
10 28	1 3.15	+ 9 56.9	1.108	2.080	7.9	20.5
11 7	0 56.11	+ 9 6.4	1.140	2.066	13.2	20.7
11 17	0 51.94	+ 8 30.0	1.192	2.053	17.9	21.0
59642 1999 JZ_{86}			10 13.8	27°92	9°0/ 6.0	18
9 8	1 35.80	− 6 23.7	1.180	2.075	17.0	17.3
9 18	1 32.99	− 8 35.2	1.146	2.086	13.2	17.2
9 28	1 27.55	−10 44.0	1.134	2.099	10.0	17.0
10 8	1 20.46	−12 35.8	1.145	2.113	9.1	17.0
10 18	1 12.94	−13 58.5	1.178	2.127	11.0	17.2
10 28	1 6.34	−14 44.5	1.235	2.143	14.2	17.4
11 7	1 1.68	−14 53.2	1.311	2.160	17.5	17.7
11 17	0 59.56	−14 28.1	1.404	2.177	20.3	17.9
261511 2005 WJ_{51}			10 13.8	326°65	4°5/ 9.6	18
9 8	1 39.97	− 3 49.3	2.063	2.921	12.3	20.3
9 18	1 35.24	− 4 30.7	1.995	2.919	9.4	20.1
9 28	1 28.66	− 5 12.5	1.950	2.916	6.4	20.0
10 8	1 20.85	− 5 49.2	1.933	2.914	4.5	19.8
10 18	1 12.61	− 6 15.6	1.943	2.912	5.6	19.9
10 28	1 4.84	− 6 27.3	1.981	2.910	8.4	20.1
11 7	0 58.34	− 6 22.1	2.044	2.908	11.4	20.3
11 17	0 53.68	− 5 59.7	2.129	2.906	14.1	20.5
1171 Rusthawelia			10 13.8	335°80	1°8/12.1	18
9 8	1 36.10	+ 5 26.8	1.815	2.675	13.7	14.1
9 18	1 32.69	+ 4 51.1	1.734	2.662	10.3	13.9
9 28	1 27.25	+ 4 6.2	1.676	2.650	6.5	13.6
10 8	1 20.39	+ 3 16.7	1.644	2.639	2.6	13.4
10 18	1 12.93	+ 2 28.5	1.638	2.628	3.2	13.4
10 28	1 5.88	+ 1 47.9	1.660	2.618	7.3	13.6
11 7	1 0.14	+ 1 20.1	1.707	2.608	11.2	13.8
11 17	0 56.37	+ 1 8.3	1.776	2.599	14.6	14.0
349145 2007 LP_{25}			10 13.8	327°91	1°5/15.1	18
9 8	1 35.30	+15 21.5	1.403	2.252	17.6	20.3
9 18	1 32.78	+14 48.5	1.319	2.236	13.8	20.0
9 28	1 27.66	+13 52.5	1.255	2.220	9.2	19.7
10 8	1 20.63	+12 36.4	1.214	2.206	4.2	19.4
10 18	1 12.74	+11 6.8	1.198	2.192	2.2	19.3
10 28	1 5.33	+ 9 34.1	1.207	2.179	7.3	19.5
11 7	0 59.61	+ 8 9.3	1.241	2.167	12.4	19.8
11 17	0 56.44	+ 7 1.3	1.296	2.156	16.8	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
514644 2005 GS_{106}			10 13.8	247°64	0°1/13.8	18
	h m	° ′			°	m
9 8	1 40.09	+10 39.7	2.061	2.894	13.4	22.6
9 18	1 35.52	+10 10.0	1.971	2.882	10.2	22.3
9 28	1 28.97	+ 9 27.9	1.903	2.869	6.5	22.1
10 8	1 21.02	+ 8 36.5	1.862	2.857	2.5	21.8
10 18	1 12.47	+ 7 40.4	1.850	2.844	1.8	21.7
10 28	1 4.28	+ 6 45.7	1.867	2.831	6.0	22.0
11 7	0 57.32	+ 5 58.2	1.910	2.817	9.9	22.2
11 17	0 52.27	+ 5 22.6	1.978	2.803	13.3	22.4
237602 2001 PT_{11}			10 13.8	359°47	7°2/ 9.0	18
9 8	1 37.66	− 6 2.9	1.249	2.138	16.7	19.1
9 18	1 34.49	− 6 50.8	1.195	2.134	12.9	18.9
9 28	1 28.62	− 7 36.4	1.161	2.131	9.2	18.7
10 8	1 20.92	− 8 10.6	1.150	2.130	7.2	18.6
10 18	1 12.60	− 8 25.4	1.162	2.130	8.6	18.7
10 28	1 5.04	− 8 15.2	1.197	2.132	12.1	18.9
11 7	0 59.40	− 7 39.0	1.254	2.135	15.9	19.1
11 17	0 56.40	− 6 39.0	1.329	2.141	19.3	19.3
444172 2005 LO_{4}			10 13.8	90°73	0°9/12.9	15
9 8	1 40.93	+ 8 48.5	2.091	2.926	13.1	22.3
9 18	1 35.73	+ 7 57.9	2.039	2.953	9.8	22.1
9 28	1 28.81	+ 6 57.5	2.011	2.979	6.0	22.0
10 8	1 20.86	+ 5 51.9	2.010	3.005	2.1	21.8
10 18	1 12.67	+ 4 46.7	2.038	3.030	2.2	21.8
10 28	1 5.11	+ 3 47.9	2.096	3.055	5.9	22.1
11 7	0 58.89	+ 3 0.3	2.182	3.079	9.3	22.4
11 17	0 54.50	+ 2 26.8	2.292	3.103	12.2	22.6
183671 2003 WO_{145}			10 13.8	105°62	2°7/11.8	18
9 8	1 43.66	+ 4 5.1	1.450	2.312	16.4	20.4
9 18	1 38.68	+ 3 23.7	1.389	2.317	12.3	20.2
9 28	1 31.12	+ 2 33.3	1.350	2.323	7.7	19.9
10 8	1 21.82	+ 1 40.2	1.335	2.329	3.4	19.7
10 18	1 11.96	+ 0 51.8	1.347	2.334	4.3	19.8
10 28	1 2.85	+ 0 15.4	1.385	2.339	8.8	20.0
11 7	0 55.61	− 0 3.8	1.447	2.345	13.1	20.3
11 17	0 50.95	− 0 3.8	1.531	2.350	16.8	20.6
154402 2003 AB_{53}			10 13.8	260°43	1°6/12.5	18
9 8	1 42.42	+ 6 23.9	1.710	2.560	14.9	20.9
9 18	1 37.69	+ 5 51.6	1.623	2.545	11.3	20.7
9 28	1 30.55	+ 5 8.6	1.559	2.530	7.1	20.4
10 8	1 21.67	+ 4 19.1	1.520	2.515	2.7	20.1
10 18	1 12.02	+ 3 29.2	1.509	2.499	3.1	20.1
10 28	1 2.77	+ 2 45.9	1.525	2.483	7.7	20.3
11 7	0 55.03	+ 2 15.1	1.566	2.467	12.1	20.6
11 17	0 49.60	+ 2 0.8	1.631	2.451	15.9	20.8
206395 2003 ST_{36}			10 13.8	3°61	0°6/13.3	18
9 8	1 34.22	+10 12.8	1.185	2.061	18.3	19.2
9 18	1 32.08	+ 9 33.1	1.125	2.060	13.9	18.9
9 28	1 27.21	+ 8 34.8	1.085	2.060	8.8	18.6
10 8	1 20.45	+ 7 24.0	1.066	2.062	3.2	18.3
10 18	1 13.00	+ 6 9.5	1.071	2.065	2.8	18.3
10 28	1 6.27	+ 5 2.1	1.100	2.069	8.4	18.7
11 7	1 1.46	+ 4 10.7	1.152	2.075	13.4	19.0
11 17	0 59.32	+ 3 40.6	1.224	2.083	17.7	19.3
509206 2006 SR_{32}			10 13.8	13°87	0°2/13.7	18
9 8	1 34.91	+10 34.8	0.895	1.787	21.4	20.3
9 18	1 33.18	+10 10.8	0.850	1.792	16.3	20.0
9 28	1 28.12	+ 9 25.3	0.821	1.799	10.4	19.7
10 8	1 20.81	+ 8 24.9	0.812	1.808	3.8	19.4
10 18	1 12.77	+ 7 19.6	0.824	1.818	2.9	19.4
10 28	1 5.76	+ 6 21.4	0.858	1.831	9.2	19.8
11 7	1 1.16	+ 5 40.2	0.913	1.845	14.8	20.2
11 17	0 59.74	+ 5 21.4	0.986	1.861	19.5	20.5
145794 1998 QJ_{109}			10 13.8	7°06	5°3/10.1	18
9 8	1 35.51	+ 1 22.3	1.025	1.923	18.7	18.4
9 18	1 33.28	+ 0 9.6	0.976	1.923	14.1	18.2
9 28	1 28.05	− 1 12.4	0.946	1.925	9.1	17.9
10 8	1 20.77	− 2 32.6	0.937	1.928	5.5	17.7
10 18	1 12.80	− 3 38.8	0.951	1.932	7.2	17.8
10 28	1 5.72	− 4 21.0	0.987	1.938	11.9	18.1
11 7	1 0.80	− 4 33.9	1.043	1.946	16.5	18.4
11 17	0 58.79	− 4 17.4	1.117	1.954	20.5	18.7
329519 2002 RW_{291}			10 13.8	357°26	5°9/10.9	18
9 8	1 41.85	− 3 0.4	1.003	1.897	19.4	19.1
9 18	1 38.31	− 3 15.7	0.948	1.891	14.9	18.8
9 28	1 31.38	− 3 30.8	0.912	1.887	10.0	18.5
10 8	1 22.06	− 3 37.4	0.896	1.885	6.2	18.3
10 18	1 11.87	− 3 28.2	0.902	1.884	7.3	18.4
10 28	1 2.61	− 2 57.6	0.931	1.885	12.0	18.6
11 7	0 55.80	− 2 4.7	0.980	1.887	16.8	18.9
11 17	0 52.29	− 0 51.5	1.047	1.891	21.1	19.2

395559 2011 UO_{210} 10 13.8 340°.58 2°.6/16.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 38.89	+17 3.2	1.753	2.575	15.8	21.5
9 18	1 34.95	+16 53.9	1.673	2.572	12.4	21.3
9 28	1 28.77	+16 26.4	1.614	2.569	8.6	21.1
10 8	1 21.01	+15 42.2	1.579	2.566	4.5	20.8
10 18	1 12.62	+14 45.4	1.571	2.563	2.7	20.7
10 28	1 4.72	+13 42.5	1.591	2.561	6.1	20.9
11 7	0 58.31	+12 41.4	1.636	2.559	10.1	21.2
11 17	0 54.10	+11 48.8	1.706	2.557	13.8	21.4

130430 2000 PM_{24} 10 13.8 17°.91 8°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.95	− 6 9.4	0.833	1.738	21.2	18.0
9 18	1 38.50	− 6 40.5	0.798	1.745	16.4	17.8
9 28	1 31.42	− 7 6.2	0.781	1.755	11.4	17.6
10 8	1 22.01	− 7 15.7	0.782	1.767	8.3	17.5
10 18	1 12.03	− 7 1.0	0.805	1.781	9.6	17.6
10 28	1 3.43	− 6 18.2	0.847	1.796	13.8	17.9
11 7	0 57.60	− 5 9.1	0.909	1.813	18.2	18.2
11 17	0 55.23	− 3 38.9	0.988	1.832	22.1	18.6

236426 2006 DS_{114} 10 13.8 275°.81 2°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.62	+ 4 19.5	1.713	2.570	14.5	20.4
9 18	1 36.26	+ 3 36.5	1.632	2.558	11.0	20.2
9 28	1 29.62	+ 2 44.3	1.574	2.546	6.9	19.9
10 8	1 21.35	+ 1 48.1	1.541	2.534	3.1	19.7
10 18	1 12.39	+ 0 54.8	1.535	2.522	3.9	19.7
10 28	1 3.87	+ 0 11.2	1.556	2.510	8.1	19.9
11 7	0 56.84	− 0 17.0	1.603	2.498	12.2	20.1
11 17	0 52.02	− 0 26.8	1.672	2.485	15.8	20.4

280980 2006 DB_{57} 10 13.8 275°.27 7°.9/ 6.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.08	+ 3 17.2	1.032	1.924	19.1	20.0
9 18	1 34.72	− 0 7.2	0.967	1.913	14.3	19.6
9 28	1 29.17	− 3 57.9	0.926	1.902	9.7	19.4
10 8	1 21.29	− 7 53.7	0.908	1.891	8.0	19.2
10 18	1 12.43	−11 28.8	0.917	1.879	11.3	19.4
10 28	1 4.30	−14 20.7	0.949	1.868	16.3	19.6
11 7	0 58.37	−16 18.0	1.001	1.857	21.1	19.9
11 17	0 55.55	−17 20.4	1.068	1.845	25.2	20.1

65606 3315 $T\text{-}_3$ 10 13.8 281°.49 1°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.51	+ 6 21.5	1.983	2.830	13.2	19.4
9 18	1 35.08	+ 5 51.1	1.903	2.824	10.0	19.2
9 28	1 28.70	+ 5 11.8	1.847	2.817	6.2	19.0
10 8	1 20.96	+ 4 27.8	1.816	2.811	2.4	18.7
10 18	1 12.69	+ 3 43.8	1.814	2.805	2.7	18.7
10 28	1 4.83	+ 3 5.6	1.840	2.799	6.6	19.0
11 7	0 58.26	+ 2 38.0	1.893	2.792	10.4	19.2
11 17	0 53.60	+ 2 24.1	1.969	2.786	13.6	19.4

79011 6312 $P\text{–}L$ 10 13.8 14°.08 3°.3/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.97	+13 37.6	0.933	1.807	22.2	18.3
9 18	1 37.10	+14 19.2	0.884	1.813	17.4	18.0
9 28	1 30.71	+14 39.9	0.851	1.820	11.8	17.8
10 8	1 21.83	+14 40.2	0.838	1.828	6.0	17.5
10 18	1 12.09	+14 23.8	0.846	1.839	3.7	17.4
10 28	1 3.39	+13 58.6	0.877	1.852	8.6	17.7
11 7	0 57.29	+13 34.5	0.928	1.866	14.0	18.1
11 17	0 54.64	+13 19.4	0.999	1.881	18.7	18.4

397944 2008 XR_{55} 10 13.8 252°.44 4°.9/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.24	− 5 2.4	2.083	2.934	12.5	21.3
9 18	1 38.62	− 5 41.3	1.999	2.917	9.7	21.1
9 28	1 30.94	− 6 20.2	1.938	2.900	6.8	20.9
10 8	1 21.81	− 6 53.3	1.905	2.883	5.0	20.7
10 18	1 12.07	− 7 15.2	1.899	2.865	6.0	20.8
10 28	1 2.70	− 7 21.3	1.922	2.847	8.9	20.9
11 7	0 54.62	− 7 9.4	1.971	2.828	12.1	21.1
11 17	0 48.52	− 6 39.4	2.042	2.809	15.0	21.2

344989 2005 AV_7 10 13.8 328°.51 2°.5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.53	+13 36.6	1.337	2.188	18.1	19.8
9 18	1 36.30	+13 59.6	1.251	2.167	14.4	19.5
9 28	1 30.13	+14 6.4	1.183	2.148	9.8	19.2
10 8	1 21.69	+13 57.3	1.138	2.129	4.9	18.8
10 18	1 12.10	+13 35.0	1.117	2.111	3.0	18.7
10 28	1 2.88	+13 5.5	1.121	2.094	7.7	18.9
11 7	0 55.49	+12 36.6	1.149	2.078	12.8	19.1
11 17	0 50.98	+12 15.8	1.197	2.063	17.5	19.4

125161 2001 UC_{95} 10 13.8 287°.12 1°.1/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.35	+12 40.7	1.606	2.445	16.2	20.3
9 18	1 37.16	+12 30.4	1.515	2.427	12.6	20.1
9 28	1 30.40	+12 4.1	1.445	2.409	8.4	19.8
10 8	1 21.71	+11 23.8	1.399	2.391	3.6	19.5
10 18	1 12.11	+10 34.0	1.379	2.373	2.1	19.3
10 28	1 2.87	+ 9 41.5	1.387	2.355	7.0	19.6
11 7	0 55.22	+ 8 54.4	1.419	2.338	11.8	19.8
11 17	0 50.03	+ 8 19.0	1.475	2.320	15.9	20.0

88074 2000 WG_5 10 13.8 334°.02 0°.6/14.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 41.70	+10 10.4	2.010	2.842	13.6	19.2
9 18	1 36.74	+10 14.5	1.930	2.839	10.5	19.0
9 28	1 29.76	+10 8.7	1.872	2.837	6.8	18.7
10 8	1 21.37	+ 9 55.1	1.841	2.835	2.7	18.5
10 18	1 12.41	+ 9 36.7	1.838	2.832	1.7	18.4
10 28	1 3.89	+ 9 17.7	1.864	2.830	5.8	18.7
11 7	0 56.69	+ 9 2.6	1.917	2.828	9.6	18.9
11 17	0 51.47	+ 8 55.2	1.994	2.827	12.9	19.1

78788 2002 VO_{111} 10 13.8 226°.64 3°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.82	+20 12.7	2.174	2.965	14.1	20.0
9 18	1 36.08	+20 14.3	2.083	2.959	11.4	19.9
9 28	1 29.36	+19 59.0	2.014	2.953	8.2	19.6
10 8	1 21.23	+19 27.4	1.971	2.947	5.0	19.4
10 18	1 12.51	+18 41.6	1.955	2.940	3.5	19.3
10 28	1 4.15	+17 46.5	1.967	2.934	5.5	19.5
11 7	0 57.06	+16 48.4	2.008	2.926	8.8	19.6
11 17	0 51.88	+15 53.6	2.074	2.919	12.0	19.8

262869 2007 BD_{49} 10 13.8 29°.32 3°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.85	+18 3.7	1.908	2.715	15.2	20.5
9 18	1 37.00	+18 28.5	1.833	2.720	12.2	20.3
9 28	1 29.98	+18 37.8	1.780	2.725	8.7	20.1
10 8	1 21.46	+18 31.6	1.751	2.731	5.2	19.9
10 18	1 12.36	+18 11.6	1.750	2.737	3.6	19.8
10 28	1 3.75	+17 42.3	1.776	2.743	5.9	20.0
11 7	0 56.61	+17 9.6	1.829	2.750	9.4	20.2
11 17	0 51.61	+16 39.2	1.907	2.757	12.7	20.5

88168 2000 XM_{25} 10 13.8 252°.54 3°.4/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.87	+19 20.9	2.245	3.038	13.7	19.4
9 18	1 36.05	+19 34.9	2.157	3.034	11.0	19.2
9 28	1 29.30	+19 34.1	2.091	3.031	7.9	19.0
10 8	1 21.20	+19 18.6	2.051	3.027	4.9	18.8
10 18	1 12.53	+18 50.1	2.038	3.024	3.4	18.7
10 28	1 4.23	+18 12.5	2.054	3.020	5.4	18.8
11 7	0 57.13	+17 31.4	2.098	3.016	8.5	19.0
11 17	0 51.89	+16 52.1	2.168	3.013	11.5	19.2

278169 2007 DU_{55} 10 13.8 277°.01 2°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.09	+ 5 6.6	1.578	2.437	15.4	21.2
9 18	1 36.83	+ 4 22.4	1.497	2.424	11.7	20.9
9 28	1 30.09	+ 3 27.3	1.438	2.412	7.3	20.6
10 8	1 21.56	+ 2 27.0	1.405	2.399	3.1	20.4
10 18	1 12.27	+ 1 28.6	1.398	2.386	3.9	20.4
10 28	1 3.44	+ 0 40.1	1.417	2.373	8.5	20.6
11 7	0 56.23	+ 0 7.8	1.462	2.360	12.9	20.8
11 17	0 51.42	− 0 4.9	1.528	2.347	16.8	21.1

312630 2009 UB_{107} 10 13.8 329°.96 1°.3/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 31.79	+ 2 16.7	4.383	5.222	6.7	20.5
9 18	1 28.28	+ 1 53.9	4.304	5.221	5.0	20.4
9 28	1 23.97	+ 1 29.0	4.251	5.220	3.1	20.2
10 8	1 19.13	+ 1 3.8	4.228	5.220	1.5	20.1
10 18	1 14.12	+ 0 40.5	4.235	5.219	1.9	20.2
10 28	1 9.27	+ 0 21.1	4.273	5.219	3.7	20.3
11 7	1 4.95	+ 0 7.4	4.339	5.218	5.5	20.4
11 17	1 1.42	+ 0 0.5	4.431	5.218	7.1	20.5

10546 Nakanomakoto 10 13.8 78°.52 5°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.33	− 1 47.4	1.319	2.191	17.1	17.2
9 18	1 39.88	− 2 55.6	1.279	2.211	12.9	17.0
9 28	1 31.80	− 4 5.9	1.260	2.231	8.5	16.8
10 8	1 22.10	− 5 9.0	1.266	2.251	5.7	16.7
10 18	1 12.07	− 5 56.2	1.297	2.271	7.1	16.9
10 28	1 3.07	− 6 21.3	1.354	2.290	10.8	17.1
11 7	0 56.17	− 6 21.9	1.433	2.310	14.6	17.4
11 17	0 51.95	− 5 59.2	1.533	2.329	17.8	17.7

29568 Gobbi–Belcredi 10 13.8 340°.83 1°.8/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.90	+ 5 28.7	1.760	2.616	14.2	17.8
9 18	1 34.85	+ 4 58.0	1.686	2.611	10.7	17.6
9 28	1 28.66	+ 4 18.4	1.634	2.607	6.7	17.4
10 8	1 21.01	+ 3 34.5	1.608	2.602	2.6	17.1
10 18	1 12.79	+ 2 52.0	1.609	2.599	3.1	17.1
10 28	1 5.05	+ 2 17.0	1.637	2.595	7.3	17.4
11 7	0 58.74	+ 1 54.5	1.691	2.593	11.3	17.6
11 17	0 54.52	+ 1 47.4	1.767	2.590	14.7	17.8

495721 2016 CP_{194} 10 13.8 31°.20 15°.1/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.93	+41 27.2	1.014	1.763	29.2	19.9
9 18	1 37.12	+42 24.3	0.958	1.769	26.3	19.7
9 28	1 31.15	+42 31.5	0.912	1.777	22.9	19.5
10 8	1 22.14	+41 39.5	0.879	1.785	19.4	19.4
10 18	1 11.99	+39 45.0	0.862	1.794	16.4	19.2
10 28	1 3.06	+36 56.6	0.865	1.803	15.1	19.2
11 7	0 57.24	+33 35.3	0.889	1.814	16.1	19.3
11 17	0 55.45	+30 6.0	0.933	1.825	18.9	19.5

98492 2000 UU_{109} 10 13.8 0.°92 14.°2/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 42.63	−20 46.0	1.132	2.007	19.1	18.2
9 18	1 38.55	−21 56.5	1.093	2.003	16.5	18.0
9 28	1 31.30	−22 45.8	1.072	2.002	14.7	17.9
10 8	1 22.00	−23 1.4	1.071	2.002	14.3	17.9
10 18	1 12.15	−22 35.6	1.090	2.003	15.5	17.9
10 28	1 3.40	−21 26.8	1.129	2.006	17.8	18.1
11 7	0 57.02	−19 40.3	1.186	2.010	20.5	18.3
11 17	0 53.71	−17 24.7	1.259	2.016	23.0	18.5

517491 2014 QY_{242} 10 13.8 22.°20 1.°5/12.4 18

9 8	1 40.29	+ 4 15.6	2.203	3.048	12.2	21.2
9 18	1 35.43	+ 4 0.6	2.130	3.049	9.1	21.0
9 28	1 28.81	+ 3 40.1	2.080	3.050	5.7	20.8
10 8	1 21.02	+ 3 17.6	2.058	3.052	2.3	20.5
10 18	1 12.80	+ 2 56.7	2.064	3.054	2.7	20.6
10 28	1 5.02	+ 2 41.5	2.100	3.056	6.1	20.8
11 7	0 58.43	+ 2 35.2	2.162	3.058	9.5	21.0
11 17	0 53.58	+ 2 39.9	2.249	3.060	12.4	21.2

167071 2003 RR_5 10 13.8 9.°98 4.°7/15.8 18

9 8	1 45.67	+13 9.0	1.081	1.939	21.1	18.4
9 18	1 41.26	+14 43.2	1.025	1.942	16.7	18.2
9 28	1 33.35	+16 3.4	0.987	1.948	11.7	17.9
10 8	1 22.90	+17 6.3	0.970	1.956	6.7	17.7
10 18	1 11.44	+17 50.2	0.976	1.966	4.9	17.6
10 28	1 0.89	+18 17.6	1.007	1.977	8.6	17.9
11 7	0 52.86	+18 34.8	1.060	1.991	13.4	18.2
11 17	0 48.31	+18 49.1	1.133	2.006	17.7	18.5

469315 1999 TD_{138} 10 13.8 356.°89 0.°6/14.4 17

9 8	1 26.50	+17 20.7	1.060	1.933	20.2	20.2
9 18	1 26.58	+15 49.3	0.994	1.925	15.7	19.9
9 28	1 23.93	+13 41.6	0.946	1.919	10.3	19.6
10 8	1 19.34	+11 5.6	0.921	1.915	4.2	19.2
10 18	1 14.01	+ 8 15.7	0.919	1.913	2.4	19.1
10 28	1 9.34	+ 5 31.6	0.941	1.914	8.6	19.5
11 7	1 6.57	+ 3 10.7	0.986	1.916	14.2	19.8
11 17	1 6.43	+ 1 24.1	1.051	1.921	19.0	20.1

360746 2004 VC_{39} 10 13.8 105.°31 5.°3/ 8.7 18

9 8	1 42.61	− 8 54.5	2.399	3.246	11.2	20.3
9 18	1 36.89	− 9 28.9	2.344	3.257	8.7	20.1
9 28	1 29.57	− 9 59.4	2.314	3.268	6.4	20.0
10 8	1 21.25	−10 21.1	2.312	3.279	5.3	19.9
10 18	1 12.68	−10 30.1	2.338	3.289	6.1	20.0
10 28	1 4.63	−10 23.7	2.393	3.300	8.3	20.2
11 7	0 57.78	−10 1.1	2.473	3.310	10.6	20.3
11 17	0 52.62	− 9 23.3	2.576	3.320	12.8	20.5

302124 2001 QT_{157} 10 13.8 56.°42 2.°0/15.5 18

9 8	1 41.40	+15 14.4	1.694	2.521	16.0	20.6
9 18	1 36.67	+15 5.5	1.637	2.540	12.4	20.4
9 28	1 29.73	+14 40.1	1.601	2.559	8.3	20.2
10 8	1 21.37	+14 0.7	1.589	2.578	4.0	20.0
10 18	1 12.60	+13 11.8	1.604	2.597	2.3	20.0
10 28	1 4.54	+12 20.0	1.647	2.617	6.0	20.2
11 7	0 58.12	+11 32.3	1.717	2.636	9.9	20.5
11 17	0 53.93	+10 54.0	1.810	2.656	13.4	20.8

115636 2003 UG_{126} 10 13.8 317.°51 8.°2/ 5.8 18

9 8	1 36.56	− 7 45.3	1.533	2.413	14.6	19.4
9 18	1 33.43	− 9 33.3	1.466	2.397	11.6	19.1
9 28	1 27.95	−11 21.9	1.422	2.381	9.0	19.0
10 8	1 20.80	−13 0.1	1.402	2.366	8.3	18.9
10 18	1 12.97	−14 17.0	1.407	2.351	10.1	18.9
10 28	1 5.62	−15 4.6	1.436	2.336	13.2	19.1
11 7	0 59.83	−15 19.5	1.486	2.323	16.4	19.3
11 17	0 56.33	−15 2.5	1.554	2.309	19.4	19.5

137779 1999 XL_{221} 10 13.8 344.°27 3.°0/15.5 18

9 8	1 40.58	+13 49.8	1.124	1.984	20.2	19.1
9 18	1 37.44	+14 21.3	1.053	1.974	16.0	18.9
9 28	1 31.00	+14 34.3	1.000	1.966	10.9	18.6
10 8	1 22.08	+14 29.2	0.968	1.958	5.5	18.2
10 18	1 12.02	+14 8.6	0.958	1.951	3.4	18.1
10 28	1 2.59	+13 39.5	0.973	1.946	8.3	18.4
11 7	0 55.39	+13 11.0	1.009	1.942	13.7	18.6
11 17	0 51.44	+12 51.1	1.065	1.939	18.5	18.9

308286 2005 JX_{15} 10 13.8 58.°39 0.°1/13.7 18

9 8	1 40.06	+10 25.4	1.725	2.568	15.1	20.8
9 18	1 35.61	+ 9 54.4	1.665	2.582	11.4	20.6
9 28	1 29.05	+ 9 10.4	1.628	2.596	7.2	20.4
10 8	1 21.13	+ 8 17.7	1.615	2.610	2.7	20.1
10 18	1 12.79	+ 7 22.0	1.631	2.624	2.0	20.1
10 28	1 5.11	+ 6 30.0	1.674	2.639	6.4	20.4
11 7	0 58.96	+ 5 47.7	1.743	2.654	10.4	20.7
11 17	0 54.94	+ 5 19.2	1.835	2.668	13.8	20.9

331173 2011 AZ_{19} 10 13.8 233.°75 3.°3/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 38.87	− 2 31.8	2.790	3.637	9.8	21.5
9 18	1 34.07	− 3 11.5	2.707	3.626	7.4	21.3
9 28	1 27.85	− 3 52.6	2.649	3.614	5.0	21.1
10 8	1 20.66	− 4 31.1	2.619	3.602	3.4	21.0
10 18	1 13.09	− 5 2.9	2.620	3.590	4.2	21.0
10 28	1 5.80	− 5 24.5	2.649	3.577	6.6	21.2
11 7	0 59.41	− 5 33.5	2.706	3.564	9.1	21.3
11 17	0 54.41	− 5 28.7	2.786	3.551	11.4	21.5

360042 2013 AS_{53} 10 13.8 196.°08 12.°6/28.5 18

9 8	1 48.89	+45 58.2	2.208	2.813	18.6	20.4
9 18	1 43.24	+47 25.2	2.123	2.812	17.2	20.3
9 28	1 34.50	+48 26.1	2.052	2.811	15.7	20.2
10 8	1 23.38	+48 54.6	1.999	2.809	14.2	20.1
10 18	1 11.05	+48 46.2	1.966	2.808	13.0	20.0
10 28	0 59.13	+48 1.4	1.955	2.807	12.6	19.9
11 7	0 49.11	+46 45.9	1.967	2.805	12.9	20.0
11 17	0 42.04	+45 9.2	2.001	2.803	14.0	20.0

198143 2004 TA_{46} 10 13.8 73.°19 0.°7/14.4 18

9 8	1 41.65	+12 22.0	1.611	2.450	16.1	20.5
9 18	1 37.01	+11 58.9	1.548	2.461	12.4	20.2
9 28	1 30.04	+11 20.4	1.506	2.471	8.0	20.0
10 8	1 21.53	+10 30.0	1.488	2.482	3.2	19.8
10 18	1 12.51	+ 9 33.2	1.498	2.492	1.9	19.7
10 28	1 4.17	+ 8 37.6	1.535	2.503	6.6	20.0
11 7	0 57.51	+ 7 50.0	1.598	2.514	10.9	20.3
11 17	0 53.19	+ 7 15.5	1.684	2.524	14.5	20.6

243605 1998 WO_{29} 10 13.8 33.°44 0.°2/13.9 18

9 8	1 39.53	+11 3.8	1.646	2.491	15.6	20.7
9 18	1 35.41	+10 37.5	1.579	2.497	11.9	20.5
9 28	1 29.05	+ 9 56.9	1.534	2.502	7.6	20.3
10 8	1 21.17	+ 9 6.0	1.513	2.508	2.9	20.0
10 18	1 12.76	+ 8 10.3	1.520	2.514	1.9	19.9
10 28	1 4.95	+ 7 17.1	1.553	2.520	6.6	20.3
11 7	0 58.72	+ 6 33.0	1.612	2.527	10.9	20.5
11 17	0 54.72	+ 6 2.6	1.694	2.534	14.5	20.8

266996 2010 XQ_{78} 10 13.8 312.°99 5.°7/ 2.5 18

9 8	1 33.31	−22 0.9	4.171	4.995	7.3	20.0
9 18	1 29.50	−22 47.6	4.120	4.990	6.3	20.0
9 28	1 24.77	−23 27.1	4.094	4.986	5.8	19.9
10 8	1 19.47	−23 56.1	4.095	4.982	5.8	19.9
10 18	1 13.98	−24 12.1	4.122	4.979	6.4	20.0
10 28	1 8.73	−24 13.6	4.174	4.975	7.4	20.0
11 7	1 4.09	−24 0.2	4.250	4.971	8.5	20.1
11 17	1 0.38	−23 32.7	4.346	4.967	9.5	20.2

441902 2010 EX_{77} 10 13.8 154.°95 2.°5/11.4 18

9 8	1 40.99	+ 3 43.2	1.930	2.781	13.4	21.9
9 18	1 36.16	+ 2 53.0	1.862	2.785	10.0	21.7
9 28	1 29.36	+ 1 55.6	1.817	2.789	6.3	21.5
10 8	1 21.26	+ 0 56.3	1.800	2.792	2.9	21.3
10 18	1 12.71	+ 0 1.2	1.810	2.795	3.8	21.4
10 28	1 4.69	− 0 43.6	1.849	2.798	7.4	21.6
11 7	0 58.03	− 1 13.7	1.914	2.801	11.0	21.8
11 17	0 53.35	− 1 26.8	2.002	2.803	14.1	22.0

182153 2000 SU_{77} 10 13.8 13.°77 0.°1/13.9 18

9 8	1 37.22	+10 56.0	1.636	2.486	15.4	20.1
9 18	1 33.69	+10 25.7	1.569	2.489	11.7	19.9
9 28	1 27.97	+ 9 40.9	1.524	2.493	7.5	19.6
10 8	1 20.78	+ 8 45.9	1.503	2.498	2.8	19.4
10 18	1 13.06	+ 7 46.6	1.509	2.503	2.0	19.3
10 28	1 5.91	+ 6 50.4	1.541	2.509	6.6	19.6
11 7	1 0.28	+ 6 3.9	1.600	2.515	10.8	19.9
11 17	0 56.81	+ 5 31.9	1.680	2.522	14.5	20.2

40722 1999 SO_6 10 13.8 20.°61 8.°5/ 9.9 18

9 8	1 47.11	−10 44.2	1.179	2.055	18.4	17.9
9 18	1 41.60	−11 0.7	1.137	2.065	14.5	17.7
9 28	1 33.07	−11 6.8	1.115	2.076	10.7	17.5
10 8	1 22.65	−10 54.4	1.115	2.088	8.6	17.4
10 18	1 11.81	−10 18.2	1.139	2.102	9.6	17.5
10 28	1 2.14	− 9 16.8	1.187	2.116	12.7	17.8
11 7	0 54.83	− 7 53.0	1.257	2.132	16.3	18.0
11 17	0 50.55	− 6 11.7	1.346	2.149	19.5	18.3

181198 2005 SW_{141} 10 13.8 33.°60 1.°6/12.4 18

9 8	1 38.58	+ 6 12.7	1.825	2.679	13.9	20.1
9 18	1 34.45	+ 5 34.1	1.760	2.684	10.4	19.9
9 28	1 28.32	+ 4 46.2	1.718	2.690	6.5	19.7
10 8	1 20.89	+ 3 54.1	1.701	2.696	2.5	19.5
10 18	1 13.00	+ 3 3.3	1.712	2.703	3.0	19.5
10 28	1 5.66	+ 2 20.2	1.751	2.709	6.9	19.8
11 7	0 59.72	+ 1 49.6	1.816	2.716	10.7	20.0
11 17	0 55.76	+ 1 34.4	1.903	2.723	13.9	20.3

21758 Adrianveres 10 13.8 331°.07 5°.0/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 39.65	+21 4.5	1.304	2.130	19.9	17.6
9 18	1 36.41	+21 13.1	1.227	2.123	16.2	17.4
9 28	1 30.18	+20 55.2	1.168	2.116	11.9	17.1
10 8	1 21.75	+20 10.1	1.130	2.110	7.4	16.8
10 18	1 12.34	+19 1.3	1.116	2.104	5.0	16.7
10 28	1 3.53	+17 37.4	1.127	2.099	7.8	16.8
11 7	0 56.73	+16 10.5	1.162	2.094	12.4	17.1
11 17	0 52.88	+14 51.9	1.218	2.090	16.8	17.3

172651 2003 YM_{71} 10 13.8 231°.87 0°.9/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.07	+ 7 37.4	1.942	2.784	13.7	20.4
9 18	1 36.33	+ 7 11.7	1.863	2.780	10.3	20.1
9 28	1 29.56	+ 6 36.2	1.807	2.777	6.5	19.9
10 8	1 21.37	+ 5 54.6	1.778	2.773	2.4	19.6
10 18	1 12.64	+ 5 11.7	1.776	2.769	2.3	19.6
10 28	1 4.35	+ 4 33.1	1.803	2.764	6.5	19.9
11 7	0 57.41	+ 4 4.1	1.857	2.760	10.3	20.1
11 17	0 52.47	+ 3 47.9	1.934	2.755	13.7	20.3

260300 2004 TT_{113} 10 13.8 304°.05 2°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.75	+16 53.8	2.086	2.901	13.8	20.1
9 18	1 33.13	+16 31.7	1.989	2.885	10.9	19.9
9 28	1 27.59	+15 52.9	1.915	2.869	7.5	19.6
10 8	1 20.67	+14 59.1	1.866	2.853	3.9	19.4
10 18	1 13.14	+13 54.1	1.844	2.837	2.2	19.2
10 28	1 5.92	+12 43.8	1.851	2.821	5.4	19.4
11 7	0 59.88	+11 35.3	1.886	2.806	9.2	19.6
11 17	0 55.68	+10 34.9	1.945	2.790	12.6	19.8

97517 2000 DV_5 10 13.8 9°.09 25°.5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.93	−39 0.3	0.895	1.735	25.8	17.7
9 18	1 39.88	−41 59.3	0.894	1.735	25.5	17.7
9 28	1 32.55	−44 5.1	0.905	1.736	25.8	17.8
10 8	1 22.53	−45 3.4	0.929	1.738	26.7	17.8
10 18	1 12.00	−44 49.1	0.963	1.741	27.8	18.0
10 28	1 3.21	−43 25.9	1.007	1.745	29.1	18.1
11 7	0 57.67	−41 5.0	1.060	1.750	30.3	18.3
11 17	0 55.92	−38 0.1	1.121	1.756	31.3	18.4

421853 2014 QQ_{135} 10 13.8 59°.30 3°.2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.53	+18 32.9	2.237	3.033	13.6	21.4
9 18	1 36.50	+18 52.9	2.159	3.039	10.9	21.3
9 28	1 29.58	+18 58.8	2.103	3.045	7.8	21.1
10 8	1 21.37	+18 50.9	2.073	3.051	4.7	20.9
10 18	1 12.67	+18 30.8	2.071	3.057	3.3	20.8
10 28	1 4.39	+18 2.3	2.098	3.063	5.3	21.0
11 7	0 57.35	+17 30.4	2.152	3.069	8.4	21.2
11 17	0 52.17	+17 0.2	2.232	3.076	11.3	21.4

331050 2009 VH_{107} 10 13.8 338°.87 1°.0/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 32.89	+ 4 10.6	3.879	4.716	7.5	20.3
9 18	1 29.24	+ 3 51.8	3.797	4.713	5.6	20.1
9 28	1 24.66	+ 3 29.6	3.740	4.709	3.5	20.0
10 8	1 19.47	+ 3 6.3	3.713	4.706	1.4	19.8
10 18	1 14.05	+ 2 44.0	3.715	4.704	1.7	19.8
10 28	1 8.83	+ 2 25.0	3.748	4.701	3.8	20.0
11 7	1 4.20	+ 2 11.5	3.810	4.698	5.9	20.1
11 17	1 0.48	+ 2 4.9	3.897	4.696	7.8	20.3

515493 2014 DE_{59} 10 13.8 269°.80 3°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.33	+ 1 41.6	1.736	2.595	14.2	21.9
9 18	1 36.74	+ 0 57.7	1.662	2.589	10.7	21.6
9 28	1 29.91	+ 0 7.5	1.611	2.582	6.9	21.4
10 8	1 21.54	− 0 43.0	1.585	2.576	3.6	21.2
10 18	1 12.57	− 1 27.4	1.587	2.570	4.6	21.3
10 28	1 4.10	− 1 59.3	1.616	2.563	8.4	21.5
11 7	0 57.12	− 2 14.5	1.670	2.557	12.3	21.7
11 17	0 52.32	− 2 11.1	1.746	2.550	15.7	21.9

246689 2009 AH_5 10 13.8 105°.99 5°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.26	− 5 2.6	1.925	2.783	13.1	20.7
9 18	1 36.99	− 6 2.3	1.874	2.796	10.0	20.5
9 28	1 29.80	− 7 1.1	1.847	2.809	7.0	20.4
10 8	1 21.42	− 7 52.4	1.846	2.822	5.3	20.3
10 18	1 12.71	− 8 30.1	1.873	2.835	6.5	20.4
10 28	1 4.63	− 8 49.8	1.927	2.847	9.2	20.6
11 7	0 58.00	− 8 49.7	2.006	2.859	12.1	20.8
11 17	0 53.34	− 8 30.1	2.107	2.870	14.7	21.0

171122 2005 GH_8 10 13.8 115°.24 4°.0/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.82	+25 1.6	2.252	3.016	14.5	20.4
9 18	1 35.86	+24 31.4	2.178	3.033	11.8	20.2
9 28	1 29.09	+23 40.6	2.127	3.050	8.8	20.1
10 8	1 21.16	+22 30.3	2.100	3.067	5.7	19.9
10 18	1 12.91	+21 4.4	2.102	3.083	4.0	19.8
10 28	1 5.22	+19 29.3	2.134	3.098	5.3	19.9
11 7	0 58.86	+17 52.8	2.194	3.113	8.1	20.1
11 17	0 54.36	+16 22.1	2.282	3.128	11.0	20.4

403758 2011 BG_{33} 10 13.8 353°.50 0°.1/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 36.61	+10 19.7	1.762	2.611	14.6	20.6
9 18	1 33.18	+ 9 58.0	1.687	2.606	11.1	20.4
9 28	1 27.67	+ 9 23.4	1.633	2.602	7.1	20.2
10 8	1 20.71	+ 8 39.6	1.604	2.599	2.7	19.9
10 18	1 13.20	+ 7 51.5	1.603	2.597	1.9	19.8
10 28	1 6.14	+ 7 5.4	1.628	2.595	6.4	20.1
11 7	1 0.46	+ 6 27.5	1.679	2.594	10.4	20.4
11 17	0 56.83	+ 6 2.2	1.753	2.594	14.0	20.6

60555 2000 EJ_{94} 10 13.8 129°.43 3°.2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.05	+18 45.5	1.702	2.512	16.7	19.1
9 18	1 38.15	+18 38.8	1.629	2.519	13.2	18.9
9 28	1 30.85	+18 12.2	1.577	2.525	9.3	18.7
10 8	1 21.91	+17 26.8	1.549	2.531	5.2	18.5
10 18	1 12.37	+16 26.7	1.547	2.537	3.3	18.4
10 28	1 3.44	+15 18.8	1.574	2.543	6.3	18.6
11 7	0 56.19	+14 11.5	1.627	2.548	10.3	18.8
11 17	0 51.32	+13 12.4	1.704	2.553	13.9	19.1

125074 2001 UF_3 10 13.8 17°.67 3°.1/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.39	+ 4 57.0	1.097	1.984	18.7	19.2
9 18	1 34.57	+ 4 5.4	1.049	1.990	14.0	19.0
9 28	1 28.85	+ 3 1.5	1.019	1.997	8.7	18.7
10 8	1 21.18	+ 1 53.9	1.012	2.006	3.8	18.5
10 18	1 12.92	+ 0 52.6	1.028	2.016	4.9	18.6
10 28	1 5.55	+ 0 7.3	1.067	2.028	9.9	18.9
11 7	1 0.30	− 0 15.8	1.129	2.040	14.7	19.2
11 17	0 57.86	− 0 14.9	1.209	2.054	18.8	19.5

255312 2005 WA_{16} 10 13.8 21°.12 4°.3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.68	− 2 23.0	1.845	2.707	13.4	19.4
9 18	1 36.00	− 2 58.2	1.783	2.710	10.1	19.2
9 28	1 29.30	− 3 34.5	1.745	2.714	6.7	19.0
10 8	1 21.29	− 4 6.4	1.733	2.718	4.4	18.9
10 18	1 12.84	− 4 28.4	1.748	2.723	5.4	18.9
10 28	1 4.96	− 4 36.2	1.790	2.728	8.5	19.1
11 7	0 58.50	− 4 27.4	1.857	2.733	11.8	19.3
11 17	0 54.07	− 4 1.7	1.946	2.738	14.7	19.6

103890 2000 DY_{52} 10 13.8 21°.76 5°.7/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.17	+ 1 41.8	1.240	2.126	17.0	18.4
9 18	1 33.38	− 0 19.8	1.188	2.130	12.7	18.2
9 28	1 27.98	− 2 32.2	1.159	2.135	8.3	17.9
10 8	1 20.85	− 4 42.2	1.154	2.140	5.8	17.8
10 18	1 13.16	− 6 36.3	1.173	2.146	7.7	18.0
10 28	1 6.25	− 8 2.8	1.217	2.153	11.8	18.2
11 7	1 1.20	− 8 55.9	1.283	2.160	15.9	18.5
11 17	0 58.68	− 9 15.2	1.367	2.168	19.4	18.7

465863 2010 RC_{123} 10 13.8 55°.64 0°.6/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.40	+ 8 59.7	1.095	1.960	20.3	20.7
9 18	1 41.17	+ 8 38.8	1.057	1.985	15.3	20.5
9 28	1 32.84	+ 8 2.6	1.038	2.010	9.6	20.2
10 8	1 22.61	+ 7 16.7	1.041	2.036	3.5	20.0
10 18	1 12.02	+ 6 29.3	1.068	2.062	2.8	20.0
10 28	1 2.68	+ 5 48.9	1.121	2.088	8.5	20.4
11 7	0 55.81	+ 5 22.6	1.196	2.114	13.5	20.8
11 17	0 52.03	+ 5 13.8	1.292	2.140	17.6	21.1

344705 2003 TU_{20} 10 13.8 324°.81 3°.1/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.64	+ 0 22.2	1.422	2.287	16.5	19.6
9 18	1 40.71	+ 0 31.6	1.339	2.268	12.7	19.4
9 28	1 32.86	+ 0 39.2	1.277	2.249	8.2	19.1
10 8	1 22.81	+ 0 49.2	1.239	2.232	3.8	18.8
10 18	1 11.71	+ 1 6.0	1.227	2.215	4.4	18.8
10 28	1 1.07	+ 1 33.8	1.240	2.199	9.1	19.0
11 7	0 52.26	+ 2 15.0	1.279	2.183	13.9	19.2
11 17	0 46.27	+ 3 10.2	1.338	2.169	18.1	19.5

515390 2013 GG_{34} 10 13.8 167°.50 0°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.71	+ 9 54.2	2.257	3.091	12.3	22.0
9 18	1 33.49	+ 8 49.0	2.180	3.093	9.2	21.8
9 28	1 27.62	+ 7 31.9	2.127	3.095	5.8	21.6
10 8	1 20.66	+ 6 7.4	2.102	3.097	2.1	21.3
10 18	1 13.31	+ 4 41.6	2.107	3.099	2.2	21.3
10 28	1 6.37	+ 3 21.0	2.142	3.100	5.8	21.6
11 7	1 0.57	+ 2 11.6	2.204	3.101	9.2	21.8
11 17	0 56.41	+ 1 17.4	2.292	3.102	12.2	22.0

451363 2010 XN_{22} 10 13.8 32°.84 4°.5/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.20	− 2 55.5	1.778	2.642	13.8	20.5
9 18	1 36.39	− 3 29.3	1.723	2.650	10.4	20.4
9 28	1 29.54	− 4 3.5	1.691	2.660	7.0	20.2
10 8	1 21.38	− 4 32.4	1.685	2.669	4.6	20.1
10 18	1 12.83	− 4 50.6	1.705	2.679	5.6	20.1
10 28	1 4.91	− 4 53.9	1.753	2.690	8.7	20.4
11 7	0 58.50	− 4 40.4	1.825	2.701	12.0	20.6
11 17	0 54.16	− 4 10.1	1.919	2.712	14.9	20.8

389102 2008 YL_{11} 10 13.8 2.°32 2.°4/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 33.94	+14 58.1	1.092	1.961	20.1	19.5
9 18	1 32.24	+14 55.6	1.031	1.958	15.7	19.2
9 28	1 27.57	+14 29.7	0.989	1.957	10.6	18.9
10 8	1 20.80	+13 43.1	0.966	1.958	5.1	18.6
10 18	1 13.21	+12 42.2	0.967	1.961	2.8	18.5
10 28	1 6.35	+11 37.3	0.990	1.965	7.8	18.8
11 7	1 1.57	+10 39.3	1.036	1.972	13.1	19.1
11 17	0 59.69	+ 9 56.4	1.101	1.980	17.6	19.4

510295 2011 OF_{17} 10 13.8 57.°43 8.°4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.47	+28 56.9	1.652	2.408	19.2	20.9
9 18	1 41.79	+30 3.3	1.593	2.428	16.3	20.7
9 28	1 33.30	+30 44.5	1.551	2.449	13.1	20.6
10 8	1 22.87	+30 57.0	1.532	2.469	10.2	20.4
10 18	1 11.76	+30 40.2	1.536	2.490	8.5	20.4
10 28	1 1.41	+29 58.6	1.566	2.511	8.9	20.5
11 7	0 53.08	+29 0.9	1.622	2.532	11.1	20.7
11 17	0 47.55	+27 57.1	1.701	2.553	13.8	20.9

69739 1998 KX_{19} 10 13.9 147.°17 0.°2/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.51	+13 13.3	1.966	2.794	14.1	19.9
9 18	1 35.08	+12 12.9	1.892	2.800	10.7	19.7
9 28	1 28.73	+10 56.5	1.841	2.806	6.9	19.5
10 8	1 21.10	+ 9 28.7	1.817	2.811	2.6	19.2
10 18	1 13.04	+ 7 55.9	1.822	2.816	1.7	19.2
10 28	1 5.49	+ 6 26.1	1.856	2.820	6.0	19.5
11 7	0 59.30	+ 5 6.6	1.918	2.825	9.8	19.7
11 17	0 55.03	+ 4 2.8	2.004	2.828	13.2	19.9

324170 2005 YS_{284} 10 13.9 222.°06 0.°2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.40	+ 9 39.1	2.542	3.370	11.3	22.4
9 18	1 33.91	+ 9 11.1	2.455	3.364	8.6	22.2
9 28	1 27.87	+ 8 33.9	2.392	3.358	5.4	22.0
10 8	1 20.77	+ 7 50.2	2.357	3.351	2.0	21.7
10 18	1 13.25	+ 7 3.9	2.351	3.344	1.6	21.7
10 28	1 6.04	+ 6 19.4	2.375	3.338	5.0	21.9
11 7	0 59.82	+ 5 41.1	2.428	3.330	8.2	22.1
11 17	0 55.11	+ 5 12.2	2.505	3.323	11.1	22.3

118643 2000 JR_{1} 10 13.9 72.°25 1.°7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.31	+13 10.7	1.509	2.344	17.3	19.6
9 18	1 40.00	+13 18.3	1.447	2.355	13.4	19.3
9 28	1 32.08	+13 10.4	1.406	2.367	8.9	19.1
10 8	1 22.40	+12 48.9	1.388	2.379	4.1	18.9
10 18	1 12.14	+12 17.7	1.397	2.391	2.3	18.8
10 28	1 2.63	+11 43.1	1.434	2.403	6.7	19.1
11 7	0 55.01	+11 12.1	1.495	2.415	11.2	19.4
11 17	0 50.00	+10 50.0	1.580	2.427	15.0	19.7

223187 2003 AK_{50} 10 13.9 278.°18 4.°5/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.51	− 0 27.4	1.560	2.426	15.2	20.2
9 18	1 37.95	− 1 17.1	1.485	2.414	11.6	20.0
9 28	1 30.87	− 2 12.0	1.431	2.402	7.6	19.7
10 8	1 22.00	− 3 5.2	1.402	2.390	4.7	19.5
10 18	1 12.38	− 3 49.0	1.400	2.378	5.9	19.6
10 28	1 3.26	− 4 16.1	1.424	2.366	9.8	19.8
11 7	0 55.80	− 4 22.6	1.471	2.354	13.9	20.0
11 17	0 50.78	− 4 7.1	1.540	2.342	17.5	20.2

147667 2004 KU_{9} 10 13.9 131.°42 2.°7/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.94	+18 6.1	1.873	2.677	15.6	20.7
9 18	1 38.56	+17 53.0	1.802	2.689	12.3	20.5
9 28	1 30.99	+17 21.9	1.752	2.701	8.5	20.3
10 8	1 21.96	+16 34.3	1.728	2.712	4.6	20.1
10 18	1 12.45	+15 34.3	1.732	2.723	2.8	20.0
10 28	1 3.55	+14 28.5	1.765	2.733	5.8	20.2
11 7	0 56.21	+13 24.3	1.825	2.743	9.6	20.4
11 17	0 51.08	+12 28.3	1.909	2.752	13.0	20.7

24132 1999 VS_{67} 10 13.9 106.°07 1.°4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.91	+ 7 0.2	1.652	2.496	15.6	19.0
9 18	1 40.01	+ 6 21.5	1.598	2.517	11.7	18.8
9 28	1 31.84	+ 5 32.6	1.567	2.537	7.2	18.6
10 8	1 22.25	+ 4 38.7	1.562	2.557	2.7	18.4
10 18	1 12.29	+ 3 46.2	1.585	2.576	2.9	18.5
10 28	1 3.14	+ 3 1.7	1.637	2.595	7.3	18.8
11 7	0 55.75	+ 2 30.3	1.714	2.613	11.3	19.1
11 17	0 50.72	+ 2 14.9	1.814	2.630	14.7	19.3

399592 2003 UM_{107} 10 13.9 18.°31 4.°7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.69	+25 48.1	2.088	2.861	15.2	19.6
9 18	1 33.07	+25 33.3	2.007	2.864	12.6	19.4
9 28	1 27.52	+24 56.4	1.945	2.867	9.6	19.3
10 8	1 20.68	+23 57.9	1.907	2.870	6.6	19.1
10 18	1 13.35	+22 40.7	1.896	2.873	4.7	19.0
10 28	1 6.49	+21 11.1	1.913	2.877	5.8	19.1
11 7	1 0.94	+19 37.1	1.958	2.882	8.6	19.2
11 17	0 57.28	+18 6.8	2.028	2.886	11.6	19.4

447427 2006 CB_{62} 10 13.9 197.°60 8.°2/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 42.95	−24 16.0	2.959	3.770	10.3	21.0
9 18	1 37.04	−25 10.3	2.908	3.767	9.0	20.9
9 28	1 29.69	−25 53.1	2.882	3.763	8.3	20.9
10 8	1 21.41	−26 19.4	2.881	3.760	8.3	20.8
10 18	1 12.87	−26 25.4	2.906	3.756	9.0	20.9
10 28	1 4.76	−26 9.5	2.956	3.751	10.3	21.0
11 7	0 57.72	−25 32.4	3.029	3.746	11.7	21.1
11 17	0 52.20	−24 36.2	3.122	3.741	13.0	21.2

95588 2002 FF_{9} 10 13.9 338.°68 0.°8/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.34	+14 32.6	1.817	2.653	14.7	18.8
9 18	1 32.22	+13 44.6	1.735	2.645	11.4	18.6
9 28	1 27.09	+12 38.3	1.675	2.639	7.5	18.4
10 8	1 20.55	+11 17.6	1.640	2.632	3.2	18.1
10 18	1 13.45	+ 9 48.7	1.632	2.627	1.7	18.0
10 28	1 6.79	+ 8 19.8	1.653	2.622	6.1	18.3
11 7	1 1.46	+ 6 59.2	1.700	2.617	10.2	18.5
11 17	0 58.10	+ 5 53.2	1.770	2.613	13.8	18.7

50437 2000 DX_{23} 10 13.9 86.°64 0.°1/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.77	+10 25.1	1.872	2.709	14.3	19.4
9 18	1 36.05	+ 9 52.8	1.809	2.722	10.8	19.2
9 28	1 29.34	+ 9 8.2	1.768	2.735	6.8	19.0
10 8	1 21.34	+ 8 15.3	1.754	2.748	2.5	18.8
10 18	1 12.93	+ 7 19.4	1.767	2.761	1.9	18.8
10 28	1 5.12	+ 6 26.9	1.809	2.773	6.1	19.1
11 7	0 58.74	+ 5 43.5	1.877	2.786	9.9	19.3
11 17	0 54.38	+ 5 13.1	1.970	2.798	13.2	19.6

92177 1999 XC_{196} 10 13.9 339.°43 4.°6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.39	+21 8.7	1.876	2.675	15.7	19.1
9 18	1 35.43	+21 34.8	1.789	2.667	12.9	18.9
9 28	1 29.23	+21 42.9	1.723	2.659	9.6	18.6
10 8	1 21.40	+21 32.3	1.680	2.652	6.3	18.4
10 18	1 12.83	+21 4.3	1.663	2.645	4.6	18.3
10 28	1 4.64	+20 23.2	1.673	2.639	6.4	18.4
11 7	0 57.86	+19 35.6	1.710	2.633	9.7	18.6
11 17	0 53.24	+18 48.8	1.770	2.628	13.1	18.8

78611 2002 SA_{55} 10 13.9 309.°23 6.°4/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.54	+23 8.9	1.722	2.511	17.3	19.4
9 18	1 39.04	+24 3.9	1.626	2.493	14.5	19.2
9 28	1 31.82	+24 40.6	1.550	2.475	11.2	18.9
10 8	1 22.48	+24 55.8	1.496	2.458	8.1	18.7
10 18	1 12.02	+24 48.4	1.468	2.441	6.4	18.6
10 28	1 1.81	+24 21.2	1.466	2.425	7.9	18.6
11 7	0 53.17	+23 40.9	1.489	2.408	11.2	18.8
11 17	0 47.11	+22 55.9	1.535	2.393	14.8	19.0

506835 2007 TW_{254} 10 13.9 120.°55 2.°8/13.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	2 4.56	− 1 16.2	1.055	1.909	21.8	21.1
9 18	1 55.89	− 0 16.8	0.990	1.911	16.8	20.8
9 28	1 42.86	+ 0 46.9	0.944	1.914	10.9	20.5
10 8	1 26.64	+ 1 57.4	0.922	1.916	4.6	20.1
10 18	1 9.20	+ 3 14.8	0.927	1.918	4.4	20.1
10 28	0 52.98	+ 4 38.5	0.959	1.920	10.6	20.5
11 7	0 39.99	+ 6 7.2	1.015	1.922	16.4	20.8
11 17	0 31.32	+ 7 39.9	1.091	1.924	21.2	21.1

517125 2013 HG_{4} 10 13.9 151.°11 2.°9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.93	+ 0 38.4	2.425	3.274	11.1	22.1
9 18	1 34.26	− 0 11.8	2.358	3.279	8.3	21.9
9 28	1 28.05	− 1 5.6	2.316	3.284	5.3	21.7
10 8	1 20.84	− 1 58.4	2.301	3.289	3.1	21.6
10 18	1 13.30	− 2 45.3	2.316	3.294	4.0	21.7
10 28	1 6.17	− 3 21.9	2.359	3.298	6.7	21.9
11 7	1 0.10	− 3 44.9	2.430	3.301	9.6	22.1
11 17	0 55.59	− 3 53.1	2.524	3.305	12.1	22.2

358737 2008 CM_{45} 10 13.9 338.°14 2.°1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.72	+10 11.3	1.170	2.040	18.9	18.9
9 18	1 36.24	+11 0.8	1.081	2.009	15.0	18.5
9 28	1 30.51	+11 40.4	1.009	1.980	10.1	18.2
10 8	1 22.13	+12 10.0	0.959	1.952	4.7	17.8
10 18	1 12.24	+12 30.5	0.932	1.927	2.9	17.6
10 28	1 2.56	+12 45.6	0.929	1.903	8.5	17.8
11 7	0 54.82	+13 0.9	0.947	1.881	14.2	18.1
11 17	0 50.29	+13 22.1	0.985	1.862	19.4	18.3

17974 1999 JL_{52} 10 13.9 66.°77 2.°8/15.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.20	+17 6.6	1.275	2.111	19.8	17.2
9 18	1 39.45	+16 53.9	1.223	2.129	15.5	17.0
9 28	1 31.83	+16 17.9	1.190	2.148	10.5	16.8
10 8	1 22.33	+15 21.5	1.180	2.168	5.3	16.6
10 18	1 12.31	+14 11.1	1.194	2.187	3.0	16.5
10 28	1 3.28	+12 56.5	1.235	2.206	7.2	16.8
11 7	0 56.43	+11 48.1	1.300	2.225	11.9	17.1
11 17	0 52.46	+10 53.5	1.386	2.244	16.0	17.4

408820 2001 FR_{38} 10 13.9 178°.37 3°.9/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 44.77	+21 22.6	2.359	3.131	13.7	21.6
9 18	1 38.98	+21 41.5	2.271	3.133	11.1	21.5
9 28	1 31.22	+21 45.0	2.205	3.134	8.2	21.3
10 8	1 22.10	+21 32.7	2.166	3.135	5.4	21.1
10 18	1 12.41	+21 5.9	2.154	3.135	3.9	21.0
10 28	1 3.09	+20 28.1	2.173	3.134	5.5	21.1
11 7	0 55.03	+19 44.8	2.220	3.133	8.3	21.3
11 17	0 48.85	+19 1.7	2.293	3.132	11.2	21.5

512180 2015 RR_{120} 10 13.9 82°.18 2°.6/16.3 18

9 8	1 43.56	+17 2.7	1.971	2.776	14.9	21.2
9 18	1 38.09	+17 5.4	1.909	2.798	11.7	21.0
9 28	1 30.60	+16 52.5	1.870	2.819	8.0	20.9
10 8	1 21.82	+16 25.5	1.856	2.840	4.4	20.7
10 18	1 12.65	+15 47.6	1.870	2.860	2.7	20.6
10 28	1 4.12	+15 4.1	1.913	2.881	5.5	20.9
11 7	0 57.07	+14 20.9	1.984	2.901	8.9	21.1
11 17	0 52.10	+13 43.5	2.079	2.921	12.1	21.3

376342 2011 HU_{20} 10 13.9 62°.98 1°.7/15.9 18

9 8	1 37.57	+15 51.2	2.614	3.419	11.6	20.9
9 18	1 33.24	+15 43.9	2.536	3.426	9.1	20.7
9 28	1 27.43	+15 25.0	2.481	3.433	6.2	20.5
10 8	1 20.64	+14 56.0	2.454	3.440	3.2	20.3
10 18	1 13.49	+14 19.6	2.455	3.446	1.9	20.3
10 28	1 6.68	+13 39.6	2.485	3.453	4.4	20.5
11 7	1 0.88	+13 0.4	2.544	3.460	7.3	20.7
11 17	0 56.56	+12 26.1	2.629	3.467	10.0	20.8

405128 2002 GU_{162} 10 13.9 81°.36 1°.5/12.5 18

9 8	1 45.02	+ 3 22.0	2.260	3.096	12.2	20.8
9 18	1 38.80	+ 3 18.6	2.203	3.117	9.1	20.6
9 28	1 30.88	+ 3 11.0	2.171	3.139	5.7	20.4
10 8	1 21.90	+ 3 2.3	2.166	3.160	2.3	20.2
10 18	1 12.64	+ 2 55.6	2.191	3.181	2.6	20.3
10 28	1 3.96	+ 2 54.0	2.246	3.201	5.9	20.5
11 7	0 56.60	+ 3 0.0	2.330	3.222	9.0	20.8
11 17	0 51.04	+ 3 15.1	2.438	3.242	11.7	21.0

400692 2009 QW_{55} 10 13.9 56°.37 0°.2/14.1 18

9 8	1 39.08	+11 3.9	1.991	2.826	13.7	21.3
9 18	1 34.69	+10 37.8	1.928	2.840	10.4	21.2
9 28	1 28.45	+ 9 59.9	1.889	2.855	6.6	21.0
10 8	1 21.04	+ 9 13.7	1.876	2.870	2.5	20.7
10 18	1 13.26	+ 8 24.0	1.891	2.885	1.6	20.7
10 28	1 6.02	+ 7 36.3	1.934	2.900	5.6	21.0
11 7	1 0.11	+ 6 56.0	2.004	2.915	9.3	21.2
11 17	0 56.06	+ 6 26.8	2.099	2.931	12.4	21.5

151880 2003 SF_{151} 10 13.9 90°.91 1°.8/12.3 18

9 8	1 43.00	+ 2 40.6	2.314	3.154	11.8	19.5
9 18	1 37.39	+ 2 34.0	2.245	3.161	8.9	19.4
9 28	1 30.07	+ 2 23.8	2.200	3.168	5.6	19.2
10 8	1 21.64	+ 2 12.9	2.183	3.176	2.4	19.0
10 18	1 12.83	+ 2 4.7	2.195	3.183	2.8	19.0
10 28	1 4.48	+ 2 2.3	2.236	3.190	6.0	19.2
11 7	0 57.33	+ 2 8.2	2.306	3.197	9.2	19.5
11 17	0 51.91	+ 2 24.0	2.400	3.204	11.9	19.7

24478 2000 WC_{145} 10 13.9 122°.35 8°.4/ 1.8 18 R

9 8	1 38.94	−21 25.5	2.697	3.528	10.6	18.2
9 18	1 34.15	−23 1.1	2.667	3.543	9.2	18.1
9 28	1 27.91	−24 25.6	2.663	3.557	8.4	18.1
10 8	1 20.80	−25 32.7	2.684	3.571	8.5	18.1
10 18	1 13.44	−26 18.0	2.731	3.584	9.4	18.2
10 28	1 6.53	−26 39.1	2.803	3.597	10.8	18.3
11 7	1 0.70	−26 36.4	2.895	3.610	12.2	18.4
11 17	0 56.37	−26 11.9	3.006	3.622	13.5	18.6

52359 1993 FM_{27} 10 13.9 21°.04 7°.5/17.4 18

9 8	1 46.31	+17 38.8	0.872	1.733	24.6	16.8
9 18	1 42.24	+19 33.3	0.834	1.748	19.9	16.6
9 28	1 34.19	+21 3.2	0.811	1.765	14.7	16.4
10 8	1 23.37	+22 2.9	0.807	1.785	9.7	16.2
10 18	1 11.69	+22 30.6	0.824	1.807	7.5	16.2
10 28	1 1.35	+22 31.9	0.863	1.831	10.1	16.4
11 7	0 54.07	+22 17.8	0.922	1.857	14.4	16.8
11 17	0 50.70	+21 59.5	1.000	1.884	18.5	17.1

222915 2002 JD_{83} 10 13.9 54°.10 1°.3/12.8 18

9 8	1 42.00	+ 4 48.5	2.106	2.948	12.7	19.9
9 18	1 36.83	+ 4 39.9	2.036	2.954	9.6	19.7
9 28	1 29.82	+ 4 25.6	1.990	2.960	6.0	19.5
10 8	1 21.58	+ 4 8.6	1.971	2.966	2.3	19.3
10 18	1 12.91	+ 3 52.7	1.981	2.972	2.5	19.3
10 28	1 4.73	+ 3 41.7	2.020	2.978	6.1	19.6
11 7	0 57.83	+ 3 38.9	2.086	2.985	9.6	19.8
11 17	0 52.79	+ 3 46.5	2.176	2.991	12.6	20.0

236463 Bretecher 10 13.9 163°.08 0°.2/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 42.71	+10 33.2	1.891	2.724	14.4	21.4
9 18	1 37.64	+10 12.9	1.816	2.727	11.0	21.2
9 28	1 30.47	+ 9 40.6	1.764	2.729	7.0	20.9
10 8	1 21.86	+ 8 59.2	1.738	2.732	2.7	20.7
10 18	1 12.71	+ 8 13.4	1.740	2.734	1.8	20.6
10 28	1 4.07	+ 7 29.1	1.770	2.735	6.1	20.9
11 7	0 56.87	+ 6 52.0	1.827	2.737	10.1	21.1
11 17	0 51.76	+ 6 26.3	1.909	2.738	13.5	21.4

230652 2003 SH_{90} 10 13.9 78°.37 0°.1/14.0 18

9 8	1 42.24	+ 9 8.4	2.247	3.075	12.5	19.9
9 18	1 36.87	+ 9 6.9	2.181	3.089	9.5	19.8
9 28	1 29.77	+ 8 57.1	2.138	3.103	6.0	19.6
10 8	1 21.54	+ 8 41.3	2.123	3.117	2.3	19.4
10 18	1 12.95	+ 8 22.5	2.137	3.131	1.5	19.3
10 28	1 4.85	+ 8 4.6	2.180	3.145	5.2	19.6
11 7	0 57.99	+ 7 51.2	2.251	3.158	8.6	19.8
11 17	0 52.90	+ 7 45.3	2.348	3.172	11.5	20.1

223589 2004 FO_{161} 10 13.9 149°.03 1°.6/12.5 16

9 8	1 42.72	+ 7 18.3	1.759	2.604	14.7	21.7
9 18	1 37.71	+ 6 27.9	1.691	2.611	11.1	21.5
9 28	1 30.51	+ 5 26.2	1.647	2.617	6.9	21.3
10 8	1 21.86	+ 4 18.6	1.628	2.623	2.6	21.0
10 18	1 12.72	+ 3 11.8	1.638	2.628	3.0	21.1
10 28	1 4.19	+ 2 13.1	1.676	2.633	7.3	21.4
11 7	0 57.19	+ 1 28.4	1.740	2.638	11.2	21.6
11 17	0 52.38	+ 1 1.1	1.827	2.642	14.7	21.8

507397 2012 HN_{68} 10 13.9 175°.27 3°.7/10.7 17

9 8	1 44.46	+ 1 2.8	1.815	2.667	14.0	22.6
9 18	1 38.97	+ 0 4.9	1.747	2.670	10.6	22.4
9 28	1 31.30	− 0 58.8	1.703	2.672	6.8	22.2
10 8	1 22.17	− 2 1.8	1.685	2.674	3.9	22.0
10 18	1 12.53	− 2 57.1	1.695	2.674	5.0	22.1
10 28	1 3.46	− 3 38.3	1.734	2.674	8.5	22.3
11 7	0 55.92	− 4 1.5	1.798	2.674	12.1	22.5
11 17	0 50.55	− 4 5.0	1.885	2.673	15.3	22.8

225107 2008 DD_{69} 10 13.9 108°.08 1°.3/12.7 16

9 8	1 42.39	+ 8 46.3	1.620	2.468	15.7	21.2
9 18	1 37.53	+ 7 47.0	1.561	2.482	11.8	21.0
9 28	1 30.40	+ 6 34.3	1.525	2.495	7.3	20.7
10 8	1 21.82	+ 5 14.4	1.514	2.509	2.7	20.5
10 18	1 12.80	+ 3 54.9	1.531	2.522	2.9	20.5
10 28	1 4.50	+ 2 44.3	1.575	2.535	7.4	20.8
11 7	0 57.88	+ 1 49.2	1.646	2.547	11.5	21.1
11 17	0 53.54	+ 1 13.3	1.739	2.559	15.0	21.4

302724 2002 TJ_{311} 10 13.9 80°.86 4°.2/ 9.7 18

9 8	1 39.34	− 0 5.3	1.822	2.684	13.5	20.8
9 18	1 35.00	− 1 20.0	1.767	2.695	10.1	20.6
9 28	1 28.71	− 2 39.0	1.736	2.706	6.6	20.5
10 8	1 21.17	− 3 55.1	1.731	2.717	4.3	20.3
10 18	1 13.26	− 5 0.8	1.754	2.728	5.5	20.4
10 28	1 5.94	− 5 49.9	1.805	2.739	8.7	20.7
11 7	1 0.04	− 6 18.8	1.880	2.750	12.0	20.9
11 17	0 56.10	− 6 26.5	1.977	2.760	14.8	21.1

451639 2012 HR_{63} 10 13.9 290°.85 6°.1/ 7.9 18

9 8	1 41.14	− 9 42.2	2.212	3.066	11.8	20.5
9 18	1 36.22	−10 27.1	2.138	3.053	9.3	20.3
9 28	1 29.48	−11 8.3	2.087	3.040	7.1	20.1
10 8	1 21.49	−11 40.0	2.063	3.027	6.1	20.1
10 18	1 13.03	−11 56.9	2.067	3.014	7.1	20.1
10 28	1 4.95	−11 55.4	2.098	3.001	9.5	20.2
11 7	0 58.07	−11 34.1	2.153	2.988	12.1	20.4
11 17	0 52.96	−10 53.9	2.230	2.975	14.5	20.5

115211 2003 SS_{125} 10 13.9 9°.01 0°.3/14.1 18

9 8	1 41.02	+ 9 27.6	2.097	2.930	13.1	19.1
9 18	1 36.21	+ 9 29.2	2.020	2.930	10.0	18.9
9 28	1 29.51	+ 9 21.7	1.966	2.931	6.4	18.7
10 8	1 21.51	+ 9 7.5	1.939	2.933	2.5	18.4
10 18	1 13.02	+ 8 49.4	1.940	2.934	1.6	18.4
10 28	1 4.95	+ 8 31.7	1.970	2.936	5.5	18.7
11 7	0 58.14	+ 8 18.5	2.027	2.938	9.2	18.9
11 17	0 53.19	+ 8 13.0	2.108	2.940	12.3	19.1

403182 2008 HY_{64} 10 13.9 38°.71 4°.3/10.1 18

9 8	1 39.32	− 1 21.1	1.748	2.614	13.8	20.1
9 18	1 34.99	− 2 11.7	1.701	2.630	10.4	19.9
9 28	1 28.70	− 3 4.4	1.676	2.646	6.8	19.7
10 8	1 21.17	− 3 52.7	1.677	2.663	4.4	19.6
10 18	1 13.31	− 4 30.4	1.705	2.680	5.5	19.7
10 28	1 6.11	− 4 52.7	1.760	2.698	8.6	20.0
11 7	1 0.39	− 4 56.8	1.839	2.716	11.8	20.2
11 17	0 56.68	− 4 42.6	1.940	2.734	14.7	20.4

518788 2010 BL_{44} 10 13.9 336°.14 4°.9/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 38.59	− 4 8.5	1.943	2.807	12.7	20.4
9 18	1 34.48	− 4 56.6	1.873	2.800	9.7	20.2
9 28	1 28.46	− 5 45.3	1.827	2.793	6.7	20.0
10 8	1 21.13	− 6 28.6	1.806	2.786	5.0	19.9
10 18	1 13.30	− 7 0.4	1.812	2.780	6.1	20.0
10 28	1 5.92	− 7 15.9	1.846	2.774	9.0	20.2
11 7	0 59.82	− 7 12.7	1.904	2.769	12.1	20.3
11 17	0 55.61	− 6 50.3	1.983	2.764	14.9	20.5

179771 2002 SB_{30} 10 13.9 128°.17 2°.4/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.30	+ 6 26.7	1.564	2.421	15.7	19.9
9 18	1 36.87	+ 5 16.0	1.501	2.427	11.7	19.7
9 28	1 30.09	+ 3 52.8	1.460	2.433	7.3	19.5
10 8	1 21.75	+ 2 24.1	1.444	2.438	3.1	19.2
10 18	1 12.90	+ 0 59.0	1.456	2.444	4.0	19.3
10 28	1 4.70	− 0 13.8	1.495	2.449	8.3	19.6
11 7	0 58.17	− 1 7.5	1.559	2.454	12.5	19.9
11 17	0 53.97	− 1 39.0	1.645	2.458	16.1	20.1

394567 2007 VX_{14} 10 13.9 288°.72 1°.8/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.62	+ 5 52.8	1.826	2.678	14.0	21.4
9 18	1 35.43	+ 5 10.5	1.749	2.672	10.5	21.2
9 28	1 29.14	+ 4 18.3	1.695	2.666	6.6	21.0
10 8	1 21.41	+ 3 21.4	1.666	2.661	2.7	20.7
10 18	1 13.11	+ 2 25.7	1.665	2.655	3.2	20.7
10 28	1 5.26	+ 1 37.8	1.693	2.649	7.3	21.0
11 7	0 58.79	+ 1 3.2	1.745	2.644	11.2	21.2
11 17	0 54.36	+ 0 45.2	1.821	2.638	14.6	21.4

121264 1999 RP_{105} 10 13.9 74°.67 7°.4/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.10	+27 26.3	1.718	2.477	18.5	19.7
9 18	1 42.14	+28 19.6	1.656	2.498	15.5	19.5
9 28	1 33.51	+28 49.1	1.614	2.519	12.2	19.4
10 8	1 23.07	+28 52.0	1.594	2.540	9.2	19.3
10 18	1 11.99	+28 28.5	1.600	2.561	7.4	19.2
10 28	1 1.68	+27 43.5	1.632	2.582	8.1	19.3
11 7	0 53.29	+26 45.4	1.690	2.602	10.6	19.5
11 17	0 47.59	+25 43.4	1.772	2.623	13.4	19.7

100662 1997 WM_{28} 10 13.9 291°.45 1°.1/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.06	+ 7 49.3	1.902	2.748	13.7	20.2
9 18	1 35.07	+ 7 13.3	1.809	2.729	10.4	19.9
9 28	1 29.00	+ 6 25.8	1.739	2.710	6.6	19.7
10 8	1 21.40	+ 5 30.8	1.695	2.690	2.5	19.4
10 18	1 13.10	+ 4 33.7	1.679	2.671	2.6	19.3
10 28	1 5.12	+ 3 41.2	1.691	2.652	6.8	19.6
11 7	0 58.40	+ 2 59.4	1.729	2.633	10.9	19.8
11 17	0 53.69	+ 2 32.6	1.790	2.614	14.5	20.0

116721 2004 DT_{11} 10 13.9 61°.20 1°.7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.33	+14 7.5	1.323	2.163	18.9	19.0
9 18	1 40.11	+13 55.9	1.277	2.188	14.5	18.8
9 28	1 32.16	+13 25.3	1.251	2.214	9.5	18.6
10 8	1 22.51	+12 39.4	1.248	2.239	4.3	18.4
10 18	1 12.45	+11 44.2	1.271	2.265	2.3	18.4
10 28	1 3.42	+10 48.3	1.320	2.290	7.0	18.7
11 7	0 56.52	+ 9 59.9	1.394	2.316	11.6	19.1
11 17	0 52.38	+ 9 24.9	1.491	2.341	15.5	19.4

448673 2010 VJ_{197} 10 13.9 267°.77 6°.5/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.15	−11 58.1	2.471	3.324	10.7	21.6
9 18	1 33.83	−13 10.5	2.399	3.309	8.7	21.5
9 28	1 27.92	−14 19.0	2.352	3.294	7.0	21.4
10 8	1 20.91	−15 17.4	2.332	3.279	6.6	21.3
10 18	1 13.48	−16 0.2	2.339	3.264	7.7	21.4
10 28	1 6.36	−16 23.2	2.373	3.249	9.7	21.5
11 7	1 0.27	−16 24.8	2.431	3.233	11.9	21.6
11 17	0 55.73	−16 5.5	2.509	3.218	13.9	21.7

283136 2008 XV_{52} 10 13.9 338°.76 12°.4/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.45	+42 20.6	1.820	2.485	20.5	20.0
9 18	1 39.33	+43 26.1	1.737	2.482	18.7	19.8
9 28	1 32.16	+44 1.3	1.669	2.480	16.6	19.7
10 8	1 22.70	+43 59.8	1.617	2.478	14.6	19.5
10 18	1 12.19	+43 18.2	1.586	2.476	13.0	19.4
10 28	1 2.22	+41 58.5	1.577	2.474	12.4	19.4
11 7	0 54.27	+40 9.1	1.592	2.473	13.1	19.4
11 17	0 49.31	+38 2.1	1.628	2.472	14.8	19.6

397977 2009 AB_{49} 10 13.9 257°.46 5°.4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.39	− 6 6.8	2.053	2.904	12.7	21.1
9 18	1 38.90	− 6 50.3	1.968	2.886	9.8	20.9
9 28	1 31.31	− 7 33.2	1.908	2.868	7.0	20.7
10 8	1 22.25	− 8 9.3	1.874	2.849	5.4	20.6
10 18	1 12.54	− 8 32.9	1.869	2.830	6.5	20.6
10 28	1 3.21	− 8 39.2	1.891	2.811	9.3	20.7
11 7	0 55.17	− 8 26.2	1.939	2.791	12.5	20.9
11 17	0 49.12	− 7 53.8	2.009	2.771	15.3	21.1

516313 2016 YV_9 10 13.9 149°.98 2°.9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.68	+ 1 45.1	2.363	3.214	11.2	21.0
9 18	1 33.42	+ 0 43.4	2.294	3.217	8.4	20.8
9 28	1 27.61	− 0 23.3	2.251	3.221	5.3	20.6
10 8	1 20.78	− 1 29.8	2.235	3.224	3.0	20.5
10 18	1 13.60	− 2 30.8	2.248	3.227	4.0	20.6
10 28	1 6.82	− 3 21.1	2.291	3.230	6.8	20.8
11 7	1 1.10	− 3 56.9	2.360	3.233	9.7	20.9
11 17	0 56.93	− 4 16.5	2.452	3.235	12.3	21.1

404043 2012 DV_5 10 13.9 0°.30 5°.5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.07	− 6 21.1	2.129	2.990	11.9	21.0
9 18	1 33.89	− 7 29.8	2.067	2.990	9.2	20.9
9 28	1 27.98	− 8 37.6	2.030	2.990	6.7	20.7
10 8	1 20.94	− 9 38.0	2.020	2.990	5.5	20.7
10 18	1 13.50	−10 25.0	2.037	2.990	6.7	20.7
10 28	1 6.51	−10 53.7	2.080	2.990	9.2	20.9
11 7	1 0.71	−11 2.0	2.149	2.990	11.8	21.1
11 17	0 56.64	−10 50.0	2.239	2.991	14.2	21.2

436247 2010 BX_{54} 10 13.9 291°.75 4°.7/ 4.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.12	−16 7.4	4.237	5.075	6.9	20.9
9 18	1 29.42	−16 48.7	4.174	5.068	5.7	20.8
9 28	1 24.84	−17 25.3	4.138	5.062	4.9	20.7
10 8	1 19.70	−17 54.0	4.130	5.055	4.7	20.7
10 18	1 14.37	−18 12.4	4.149	5.049	5.3	20.7
10 28	1 9.23	−18 18.7	4.195	5.043	6.5	20.8
11 7	1 4.67	−18 12.2	4.266	5.037	7.7	20.9
11 17	1 0.98	−17 53.0	4.360	5.030	8.9	21.0

324738 2007 EF_{192} 10 13.9 123°.43 2°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.39	+ 3 40.8	2.413	3.258	11.2	21.4
9 18	1 33.90	+ 2 54.2	2.346	3.266	8.4	21.2
9 28	1 27.89	+ 2 2.1	2.304	3.274	5.2	21.0
10 8	1 20.89	+ 1 8.6	2.289	3.281	2.4	20.8
10 18	1 13.57	+ 0 18.5	2.304	3.289	3.1	20.9
10 28	1 6.65	− 0 23.5	2.347	3.296	6.1	21.1
11 7	1 0.80	− 0 53.8	2.419	3.303	9.1	21.3
11 17	0 56.49	− 1 10.4	2.514	3.309	11.7	21.5

123746 2001 AC_{23} 10 13.9 151°.93 2°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.76	+ 1 40.9	2.421	3.267	11.2	20.2
9 18	1 34.95	+ 1 4.4	2.351	3.271	8.4	20.0
9 28	1 28.56	+ 0 23.9	2.305	3.274	5.3	19.8
10 8	1 21.15	− 0 16.5	2.287	3.278	2.7	19.7
10 18	1 13.38	− 0 52.4	2.299	3.281	3.5	19.7
10 28	1 6.02	− 1 19.8	2.339	3.284	6.3	19.9
11 7	0 59.73	− 1 35.5	2.407	3.287	9.3	20.1
11 17	0 55.01	− 1 37.9	2.499	3.290	11.9	20.3

453213 2008 HK_8 10 13.9 99°.81 5°.4/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.26	− 6 5.7	2.141	3.000	11.9	21.6
9 18	1 34.74	− 7 9.2	2.082	3.004	9.2	21.4
9 28	1 28.49	− 8 11.7	2.048	3.009	6.6	21.2
10 8	1 21.13	− 9 6.9	2.041	3.013	5.4	21.2
10 18	1 13.41	− 9 48.9	2.062	3.017	6.5	21.3
10 28	1 6.17	−10 13.4	2.109	3.022	8.9	21.4
11 7	1 0.14	−10 18.4	2.182	3.026	11.6	21.6
11 17	0 55.86	−10 4.0	2.276	3.030	14.0	21.8

304654 2006 WB_{26} 10 13.9 251°.75 1°.8/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.76	+ 4 51.4	2.007	2.854	13.1	20.7
9 18	1 36.10	+ 4 21.1	1.929	2.850	9.9	20.4
9 28	1 29.50	+ 3 43.3	1.875	2.846	6.2	20.2
10 8	1 21.56	+ 3 2.3	1.848	2.842	2.5	20.0
10 18	1 13.09	+ 2 23.0	1.848	2.837	3.0	20.0
10 28	1 5.06	+ 1 50.7	1.878	2.833	6.8	20.2
11 7	0 58.31	+ 1 29.8	1.933	2.829	10.4	20.5
11 17	0 53.47	+ 1 22.8	2.012	2.825	13.6	20.7

104042 2000 EJ_{10} 10 13.9 226°.09 1°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.26	+13 4.1	1.899	2.721	14.7	21.0
9 18	1 39.04	+12 51.9	1.809	2.711	11.5	20.8
9 28	1 31.53	+12 25.6	1.741	2.701	7.6	20.5
10 8	1 22.38	+11 47.1	1.699	2.691	3.3	20.2
10 18	1 12.51	+11 0.2	1.685	2.679	1.8	20.1
10 28	1 3.01	+10 10.9	1.700	2.668	6.1	20.4
11 7	0 54.95	+ 9 25.6	1.743	2.655	10.3	20.6
11 17	0 49.06	+ 8 49.9	1.809	2.642	14.0	20.8

223085 2002 TL_{285} 10 13.9 6°.45 4°.9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 35.30	+21 21.0	1.093	1.938	21.7	19.0
9 18	1 33.45	+21 17.9	1.031	1.938	17.6	18.7
9 28	1 28.49	+20 43.1	0.986	1.939	12.8	18.5
10 8	1 21.32	+19 37.5	0.960	1.942	7.8	18.2
10 18	1 13.29	+18 6.9	0.956	1.946	4.9	18.1
10 28	1 6.05	+16 23.4	0.976	1.951	8.0	18.3
11 7	1 0.99	+14 41.6	1.019	1.958	12.9	18.6
11 17	0 58.97	+13 13.8	1.082	1.966	17.5	18.9

361509 2007 EP_{145} 10 13.9 90°.51 3°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 37.34	+ 1 39.8	2.223	3.077	11.7	20.6
9 18	1 33.24	+ 0 32.5	2.160	3.085	8.7	20.4
9 28	1 27.53	− 0 39.9	2.122	3.093	5.6	20.2
10 8	1 20.78	− 1 51.7	2.112	3.101	3.2	20.1
10 18	1 13.69	− 2 57.1	2.131	3.109	4.2	20.2
10 28	1 7.05	− 3 50.4	2.178	3.116	7.2	20.4
11 7	1 1.53	− 4 27.9	2.251	3.124	10.1	20.6
11 17	0 57.64	− 4 47.9	2.348	3.132	12.8	20.8

1693 Hertzsprung 10 13.9 42°.64 7°.0/ 9.5 18 R

9 8	1 45.60	− 7 52.6	1.414	2.283	16.3	14.4
9 18	1 39.92	− 8 34.1	1.383	2.309	12.5	14.2
9 28	1 31.84	− 9 9.7	1.374	2.336	9.0	14.1
10 8	1 22.36	− 9 31.9	1.389	2.363	7.0	14.1
10 18	1 12.69	− 9 35.0	1.429	2.391	8.1	14.2
10 28	1 4.07	− 9 16.1	1.495	2.419	11.0	14.4
11 7	0 57.44	− 8 35.9	1.583	2.447	14.2	14.7
11 17	0 53.33	− 7 37.1	1.692	2.476	16.9	15.0

220565 2004 HD_{22} 10 13.9 262°.30 0°.6/13.4 18

9 8	1 41.89	+ 9 36.1	1.641	2.486	15.6	21.4
9 18	1 37.55	+ 9 0.0	1.554	2.472	12.0	21.1
9 28	1 30.74	+ 8 9.1	1.489	2.458	7.6	20.9
10 8	1 22.14	+ 7 7.4	1.448	2.443	2.8	20.5
10 18	1 12.71	+ 6 1.4	1.435	2.428	2.4	20.5
10 28	1 3.70	+ 4 59.0	1.449	2.413	7.4	20.8
11 7	0 56.24	+ 4 7.8	1.489	2.398	12.0	21.0
11 17	0 51.15	+ 3 33.2	1.552	2.382	16.0	21.2

285279 1998 SD_{14} 10 13.9 13°.54 4°.9/16.1 18

9 8	1 47.65	+13 56.4	1.139	1.988	20.8	18.8
9 18	1 42.75	+15 33.0	1.083	1.994	16.6	18.6
9 28	1 34.40	+16 55.2	1.045	2.003	11.7	18.3
10 8	1 23.56	+17 59.4	1.029	2.013	6.9	18.1
10 18	1 11.76	+18 43.7	1.037	2.025	5.1	18.0
10 28	1 0.86	+19 10.5	1.070	2.039	8.5	18.3
11 7	0 52.42	+19 26.1	1.126	2.054	13.1	18.6
11 17	0 47.40	+19 37.8	1.202	2.071	17.2	18.9

375780 2009 SU_{281} 10 13.9 33°.25 2°.7/12.1 18

9 8	1 42.59	+ 4 18.7	1.270	2.141	17.7	20.6
9 18	1 38.30	+ 3 46.4	1.215	2.148	13.3	20.4
9 28	1 31.22	+ 3 4.5	1.181	2.155	8.3	20.1
10 8	1 22.27	+ 2 19.6	1.169	2.164	3.5	19.9
10 18	1 12.71	+ 1 39.3	1.183	2.172	4.2	19.9
10 28	1 3.99	+ 1 11.1	1.222	2.181	9.0	20.2
11 7	0 57.30	+ 1 0.1	1.284	2.191	13.7	20.5
11 17	0 53.37	+ 1 8.3	1.366	2.201	17.6	20.8

63263 2001 CC_{4} 10 13.9 279°.44 5°.5/ 7.7 18

9 8	1 37.49	− 5 56.1	2.200	3.061	11.6	19.1
9 18	1 33.50	− 7 11.6	2.128	3.051	8.9	19.0
9 28	1 27.80	− 8 27.5	2.082	3.042	6.5	18.8
10 8	1 20.93	− 9 37.1	2.062	3.032	5.5	18.7
10 18	1 13.61	−10 34.0	2.070	3.023	6.7	18.8
10 28	1 6.66	−11 13.0	2.105	3.013	9.2	18.9
11 7	1 0.82	−11 31.2	2.165	3.004	11.9	19.1
11 17	0 56.66	−11 28.4	2.246	2.994	14.3	19.2

308966 2006 TD_{69} 10 13.9 302°.39 5°.2/10.1 18

9 8	1 44.42	− 5 3.3	1.803	2.660	13.9	20.3
9 18	1 39.18	− 5 28.8	1.722	2.645	10.7	20.1
9 28	1 31.63	− 5 53.3	1.665	2.629	7.4	19.8
10 8	1 22.44	− 6 10.8	1.633	2.614	5.3	19.7
10 18	1 12.56	− 6 15.9	1.628	2.599	6.3	19.7
10 28	1 3.11	− 6 4.3	1.651	2.584	9.5	19.9
11 7	0 55.14	− 5 34.1	1.698	2.569	13.0	20.1
11 17	0 49.40	− 4 45.9	1.767	2.555	16.2	20.2

239697 2008 YV_{146} 10 13.9 203°.05 2°.7/11.2 18

9 8	1 41.43	+ 2 37.1	2.162	3.008	12.3	21.0
9 18	1 36.47	+ 1 48.3	2.084	3.004	9.2	20.8
9 28	1 29.68	+ 0 53.3	2.030	3.000	5.9	20.6
10 8	1 21.65	− 0 2.9	2.004	2.995	3.0	20.4
10 18	1 13.13	− 0 54.8	2.007	2.990	3.8	20.4
10 28	1 5.02	− 1 36.8	2.039	2.984	7.1	20.6
11 7	0 58.11	− 2 5.0	2.097	2.978	10.4	20.8
11 17	0 53.00	− 2 17.2	2.180	2.971	13.4	21.0

204026 2003 UN_{85} 10 13.9 65°.98 1°.6/12.6 18

9 8	1 41.71	+ 6 8.8	1.702	2.554	14.8	20.3
9 18	1 37.04	+ 5 37.2	1.638	2.561	11.2	20.1
9 28	1 30.17	+ 4 56.2	1.597	2.568	7.0	19.9
10 8	1 21.84	+ 4 10.6	1.581	2.575	2.7	19.6
10 18	1 13.03	+ 3 26.3	1.592	2.583	3.0	19.7
10 28	1 4.82	+ 2 49.4	1.631	2.590	7.2	20.0
11 7	0 58.16	+ 2 25.0	1.695	2.598	11.2	20.2
11 17	0 53.70	+ 2 15.9	1.782	2.605	14.6	20.5

508327 2015 MG_{7} 10 13.9 98°.45 7°.6/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 42.81	+31 31.4	1.918	2.654	17.6	21.3
9 18	1 38.11	+31 57.1	1.841	2.661	15.1	21.1
9 28	1 31.00	+31 57.4	1.782	2.669	12.3	20.9
10 8	1 22.20	+31 29.9	1.745	2.677	9.6	20.8
10 18	1 12.77	+30 35.3	1.732	2.684	7.8	20.7
10 28	1 3.90	+29 18.5	1.746	2.692	8.0	20.7
11 7	0 56.67	+27 48.1	1.786	2.699	10.1	20.9
11 17	0 51.82	+26 14.0	1.851	2.706	12.7	21.1

127654 2003 DY_{7} 10 13.9 259°.42 0°.2/14.1 18

9 8	1 42.04	+11 7.9	1.709	2.547	15.4	21.2
9 18	1 37.57	+10 43.2	1.623	2.536	11.9	21.0
9 28	1 30.72	+10 3.8	1.558	2.524	7.7	20.7
10 8	1 22.14	+ 9 12.9	1.518	2.512	3.0	20.4
10 18	1 12.78	+ 8 15.7	1.505	2.500	1.9	20.3
10 28	1 3.85	+ 7 19.4	1.521	2.487	6.8	20.6
11 7	0 56.42	+ 6 31.1	1.562	2.474	11.3	20.8
11 17	0 51.28	+ 5 56.4	1.626	2.462	15.2	21.1

55662 6224 *P–L* 10 13.9 57°.29 0°.5/14.4 18

9 8	1 39.19	+12 27.5	1.863	2.697	14.5	19.7
9 18	1 35.06	+11 53.4	1.790	2.700	11.1	19.5
9 28	1 28.90	+11 4.8	1.739	2.704	7.2	19.3
10 8	1 21.38	+10 5.3	1.714	2.707	2.9	19.0
10 18	1 13.36	+ 9 0.1	1.717	2.711	1.7	19.0
10 28	1 5.84	+ 7 56.2	1.748	2.715	6.0	19.3
11 7	0 59.71	+ 7 0.3	1.805	2.719	10.0	19.5
11 17	0 55.58	+ 6 17.2	1.887	2.723	13.4	19.7

493638 2015 PD_{221} 10 13.9 127°.52 2°.4/16.6 18

9 8	1 40.52	+18 56.7	2.188	2.985	13.9	21.7
9 18	1 35.78	+18 30.6	2.113	2.996	11.0	21.5
9 28	1 29.22	+17 47.5	2.061	3.007	7.6	21.3
10 8	1 21.46	+16 49.4	2.034	3.017	4.2	21.1
10 18	1 13.31	+15 40.4	2.036	3.027	2.5	21.0
10 28	1 5.64	+14 26.5	2.067	3.036	5.1	21.2
11 7	0 59.25	+13 14.4	2.127	3.045	8.4	21.4
11 17	0 54.69	+12 10.0	2.213	3.054	11.5	21.7

405207 Konstanz 10 13.9 82°.50 5°.4/ 7.1 18

9 8	1 39.62	− 5 44.4	2.340	3.195	11.2	21.3
9 18	1 34.69	− 7 32.1	2.308	3.227	8.5	21.1
9 28	1 28.30	− 9 17.6	2.303	3.260	6.2	21.1
10 8	1 21.05	−10 53.9	2.326	3.291	5.4	21.1
10 18	1 13.63	−12 14.6	2.379	3.322	6.5	21.2
10 28	1 6.77	−13 15.2	2.460	3.353	8.7	21.4
11 7	1 1.09	−13 53.8	2.566	3.383	10.9	21.6
11 17	0 56.99	−14 10.9	2.694	3.413	12.9	21.8

236454 2006 ED_{22} 10 13.9 33°.11 3°.1/11.7 18

9 8	1 39.61	+ 4 38.8	1.196	2.075	18.0	19.2
9 18	1 35.99	+ 3 45.4	1.155	2.092	13.4	19.0
9 28	1 29.67	+ 2 41.9	1.134	2.111	8.3	18.8
10 8	1 21.66	+ 1 36.5	1.137	2.131	3.7	18.6
10 18	1 13.23	+ 0 38.3	1.163	2.151	4.7	18.7
10 28	1 5.77	− 0 4.3	1.215	2.173	9.3	19.0
11 7	1 0.33	− 0 26.3	1.289	2.195	13.7	19.3
11 17	0 57.52	− 0 26.3	1.383	2.218	17.4	19.6

330661 2008 GW_{70} 10 13.9 47°.63 2°.5/15.6 17

9 8	1 45.35	+14 53.2	1.164	2.011	20.5	19.9
9 18	1 40.47	+14 58.3	1.122	2.036	15.9	19.7
9 28	1 32.57	+14 42.1	1.098	2.061	10.6	19.4
10 8	1 22.76	+14 7.6	1.096	2.086	5.1	19.2
10 18	1 12.50	+13 20.7	1.119	2.113	2.8	19.2
10 28	1 3.38	+12 30.2	1.167	2.139	7.5	19.5
11 7	0 56.61	+11 45.2	1.239	2.166	12.3	19.9
11 17	0 52.86	+11 12.5	1.332	2.193	16.3	20.2

512026 2015 MV_{24} 10 13.9 60°.98 5°.5/19.2 18

9 8	1 40.78	+25 25.4	1.600	2.389	18.5	21.2
9 18	1 36.74	+25 21.3	1.531	2.398	15.2	21.0
9 28	1 30.18	+24 50.5	1.480	2.407	11.5	20.8
10 8	1 21.90	+23 52.9	1.451	2.417	7.8	20.6
10 18	1 13.02	+22 32.2	1.447	2.427	5.6	20.5
10 28	1 4.82	+20 56.4	1.471	2.437	7.0	20.6
11 7	0 58.41	+19 16.4	1.520	2.447	10.4	20.8
11 17	0 54.48	+17 42.5	1.593	2.457	14.0	21.1

265965 2006 CH_{61} 10 13.9 205°.20 4°.5/18.8 18

9 8	1 39.86	+23 58.2	2.337	3.106	13.9	20.1
9 18	1 35.39	+24 9.3	2.250	3.106	11.4	19.9
9 28	1 29.06	+24 3.0	2.184	3.106	8.7	19.7
10 8	1 21.45	+23 39.1	2.143	3.105	6.0	19.6
10 18	1 13.31	+22 58.9	2.129	3.105	4.5	19.5
10 28	1 5.53	+22 6.7	2.144	3.105	5.6	19.6
11 7	0 58.94	+21 8.3	2.187	3.105	8.2	19.7
11 17	0 54.14	+20 9.9	2.255	3.105	10.9	19.9

48080 2001 FF_{34} 10 13.9 81°.80 2°.0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 43.50	+ 7 23.3	1.446	2.301	16.8	18.3
9 18	1 38.51	+ 6 18.7	1.398	2.323	12.5	18.1
9 28	1 31.09	+ 5 1.7	1.373	2.345	7.7	17.9
10 8	1 22.17	+ 3 39.6	1.372	2.367	3.0	17.7
10 18	1 12.89	+ 2 21.2	1.398	2.388	3.6	17.8
10 28	1 4.50	+ 1 15.2	1.452	2.409	8.1	18.1
11 7	0 57.98	+ 0 27.7	1.530	2.430	12.3	18.4
11 17	0 53.93	+ 0 1.5	1.630	2.450	15.9	18.7

393080 2013 AA_{99} 10 13.9 108°.71 0°.4/14.3 18

9 8	1 42.77	+10 56.9	2.019	2.846	13.8	21.1
9 18	1 37.54	+10 43.5	1.951	2.858	10.5	20.9
9 28	1 30.36	+10 19.0	1.906	2.869	6.8	20.7
10 8	1 21.91	+ 9 46.1	1.887	2.880	2.7	20.5
10 18	1 13.03	+ 9 8.7	1.897	2.891	1.6	20.4
10 28	1 4.68	+ 8 31.9	1.935	2.901	5.6	20.7
11 7	0 57.70	+ 8 0.8	2.002	2.912	9.3	20.9
11 17	0 52.69	+ 7 39.1	2.092	2.922	12.5	21.2

58580 1997 SW_2 10 13.9 331°.92 7°.2/ 9.1 18

9 8	1 40.39	− 3 10.6	1.117	2.006	18.2	18.3
9 18	1 37.17	− 4 23.2	1.056	1.997	14.0	18.0
9 28	1 30.83	− 5 40.1	1.015	1.987	9.7	17.8
10 8	1 22.25	− 6 49.8	0.995	1.979	7.2	17.6
10 18	1 12.77	− 7 40.7	0.999	1.971	8.9	17.7
10 28	1 4.03	− 8 3.5	1.025	1.964	13.2	17.9
11 7	0 57.44	− 7 54.6	1.071	1.958	17.6	18.1
11 17	0 53.88	− 7 15.3	1.135	1.952	21.6	18.4

147488 2004 CM_{67} 10 13.9 67°.65 5°.9/ 9.4 18

9 8	1 42.50	− 2 18.2	1.375	2.249	16.4	19.4
9 18	1 37.94	− 3 35.7	1.328	2.261	12.4	19.2
9 28	1 30.85	− 4 55.7	1.302	2.272	8.4	19.0
10 8	1 22.11	− 6 8.7	1.301	2.284	6.0	18.9
10 18	1 12.93	− 7 5.4	1.325	2.296	7.4	19.1
10 28	1 4.59	− 7 38.8	1.375	2.308	11.0	19.3
11 7	0 58.15	− 7 46.1	1.447	2.320	14.7	19.6
11 17	0 54.25	− 7 28.2	1.539	2.332	17.9	19.8

43102 1999 XU_{19} 10 13.9 358°.16 2°.3/12.7 18

9 8	1 45.07	+ 2 22.4	1.356	2.222	17.1	17.7
9 18	1 40.24	+ 2 32.2	1.289	2.219	13.0	17.4
9 28	1 32.55	+ 2 37.6	1.244	2.217	8.2	17.2
10 8	1 22.87	+ 2 42.5	1.221	2.216	3.5	16.9
10 18	1 12.40	+ 2 51.3	1.225	2.215	3.7	16.9
10 28	1 2.63	+ 3 8.2	1.254	2.216	8.6	17.2
11 7	0 54.82	+ 3 36.4	1.307	2.217	13.2	17.5
11 17	0 49.80	+ 4 17.1	1.382	2.220	17.2	17.7

513464 2009 BV_{47} 10 13.9 227°.20 1°.6/12.4 18

9 8	1 40.86	+ 5 58.5	2.043	2.886	13.0	22.3
9 18	1 36.21	+ 5 18.3	1.961	2.880	9.8	22.1
9 28	1 29.62	+ 4 29.2	1.903	2.873	6.2	21.9
10 8	1 21.69	+ 3 35.5	1.872	2.866	2.5	21.6
10 18	1 13.21	+ 2 42.6	1.869	2.859	2.9	21.6
10 28	1 5.14	+ 1 56.3	1.895	2.851	6.7	21.9
11 7	0 58.32	+ 1 21.7	1.948	2.843	10.4	22.1
11 17	0 53.38	+ 1 1.8	2.025	2.835	13.6	22.3

452035 2014 OQ_{166} 10 13.9 312°.08 0°.7/14.5 18

9 8	1 41.00	+10 48.8	1.961	2.794	13.9	21.2
9 18	1 36.51	+10 49.5	1.874	2.783	10.7	21.0
9 28	1 29.92	+10 39.4	1.809	2.773	7.0	20.7
10 8	1 21.84	+10 20.5	1.770	2.763	2.9	20.4
10 18	1 13.10	+ 9 55.8	1.758	2.753	1.7	20.3
10 28	1 4.71	+ 9 30.2	1.775	2.743	5.9	20.6
11 7	0 57.62	+ 9 8.6	1.819	2.734	9.8	20.8
11 17	0 52.53	+ 8 55.2	1.887	2.724	13.3	21.0

435733 2008 UO_{109} 10 13.9 237°.86 0°.6/15.2 18

9 8	1 30.99	+14 5.7	4.558	5.361	7.1	21.4
9 18	1 27.83	+13 34.0	4.466	5.358	5.4	21.2
9 28	1 23.89	+12 55.5	4.400	5.355	3.6	21.1
10 8	1 19.44	+12 11.7	4.363	5.352	1.6	21.0
10 18	1 14.79	+11 24.6	4.356	5.349	0.8	20.9
10 28	1 10.31	+10 36.7	4.380	5.346	2.7	21.0
11 7	1 6.32	+ 9 50.7	4.434	5.343	4.6	21.2
11 17	1 3.10	+ 9 8.7	4.516	5.340	6.4	21.3

171182 2005 HW_1 10 13.9 207°.63 3°.7/10.7 18

9 8	1 44.29	− 1 56.6	2.150	2.997	12.3	20.6
9 18	1 38.64	− 2 25.3	2.075	2.994	9.4	20.4
9 28	1 31.08	− 2 55.6	2.024	2.990	6.2	20.2
10 8	1 22.22	− 3 22.6	1.999	2.985	3.8	20.0
10 18	1 12.88	− 3 41.8	2.004	2.981	4.7	20.1
10 28	1 3.99	− 3 49.2	2.038	2.975	7.7	20.3
11 7	0 56.36	− 3 42.3	2.098	2.970	10.8	20.5
11 17	0 50.61	− 3 20.6	2.182	2.964	13.7	20.6

259849 2004 CZ_{70} 10 13.9 206°.32 2°.0/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 43.75	+ 5 27.7	1.801	2.647	14.4	21.4
9 18	1 38.63	+ 4 44.7	1.723	2.643	10.9	21.2
9 28	1 31.27	+ 3 52.1	1.668	2.639	6.8	20.9
10 8	1 22.35	+ 2 54.9	1.640	2.633	2.8	20.7
10 18	1 12.80	+ 1 59.3	1.639	2.628	3.4	20.7
10 28	1 3.75	+ 1 12.2	1.667	2.622	7.5	20.9
11 7	0 56.17	+ 0 38.9	1.721	2.615	11.6	21.2
11 17	0 50.79	+ 0 22.7	1.797	2.607	15.0	21.4

449741 2014 NM_{54} 10 13.9 102°.04 1°.0/12.9 18

9 8	1 40.63	+ 6 36.9	2.291	3.128	12.0	21.1
9 18	1 35.71	+ 6 14.3	2.223	3.138	9.0	20.9
9 28	1 29.12	+ 5 44.5	2.180	3.148	5.6	20.7
10 8	1 21.46	+ 5 10.9	2.163	3.158	2.1	20.5
10 18	1 13.44	+ 4 37.4	2.176	3.167	2.1	20.5
10 28	1 5.87	+ 4 8.4	2.218	3.177	5.6	20.8
11 7	0 59.46	+ 3 47.4	2.287	3.186	8.9	21.0
11 17	0 54.73	+ 3 37.1	2.382	3.196	11.7	21.2

99851 2002 OA_3 10 13.9 211°.67 7°.9/23.7 17

9 8	1 42.95	+36 15.9	2.667	3.340	14.4	19.3
9 18	1 37.85	+37 4.0	2.574	3.339	12.8	19.1
9 28	1 30.73	+37 32.3	2.500	3.337	10.9	19.0
10 8	1 22.16	+37 38.0	2.448	3.335	9.2	18.9
10 18	1 12.91	+37 20.0	2.421	3.333	8.1	18.8
10 28	1 3.95	+36 40.1	2.420	3.331	8.0	18.8
11 7	0 56.21	+35 43.0	2.446	3.329	9.0	18.9
11 17	0 50.36	+34 35.5	2.496	3.327	10.7	19.0

23714 1998 EC_3 10 13.9 58°.26 7°.0/ 9.9 17

9 8	2 1.08	− 1 49.2	1.031	1.892	21.6	19.1
9 18	1 51.12	− 3 44.7	1.033	1.959	15.8	19.0
9 28	1 38.42	− 5 35.0	1.057	2.023	10.4	18.9
10 8	1 24.65	− 7 6.8	1.105	2.086	7.1	18.9
10 18	1 11.57	− 8 10.7	1.179	2.148	8.5	19.2
10 28	1 0.65	− 8 42.7	1.279	2.207	12.1	19.6
11 7	0 52.75	− 8 44.4	1.401	2.265	15.7	20.0
11 17	0 48.14	− 8 20.8	1.542	2.321	18.6	20.3

349316 2007 UQ_{93} 10 13.9 270°.43 1°.5/12.8 18

9 8	1 43.69	+ 5 1.9	1.846	2.692	14.1	20.6
9 18	1 38.51	+ 4 49.7	1.771	2.691	10.7	20.4
9 28	1 31.14	+ 4 30.5	1.720	2.690	6.7	20.1
10 8	1 22.29	+ 4 7.9	1.694	2.689	2.6	19.9
10 18	1 12.86	+ 3 46.2	1.696	2.687	2.8	19.9
10 28	1 3.92	+ 3 30.4	1.727	2.686	6.9	20.1
11 7	0 56.45	+ 3 24.4	1.784	2.685	10.8	20.4
11 17	0 51.11	+ 3 30.6	1.864	2.684	14.2	20.6

330215 2006 GC_{37} 10 13.9 7°.99 1°.8/12.3 18

9 8	1 41.94	+ 2 48.6	2.323	3.164	11.7	20.2
9 18	1 36.73	+ 2 40.2	2.247	3.164	8.8	20.1
9 28	1 29.81	+ 2 28.0	2.196	3.164	5.6	19.9
10 8	1 21.74	+ 2 14.9	2.172	3.165	2.4	19.7
10 18	1 13.24	+ 2 4.4	2.177	3.165	2.8	19.7
10 28	1 5.14	+ 1 59.8	2.212	3.166	6.0	19.9
11 7	0 58.19	+ 2 3.8	2.274	3.166	9.2	20.1
11 17	0 52.93	+ 2 18.0	2.361	3.167	12.0	20.3

57940 2002 JJ_{38} 10 13.9 83°.62 2°.6/17.1 18

9 8	1 37.90	+20 14.8	2.265	3.058	13.5	19.5
9 18	1 33.79	+19 43.9	2.189	3.068	10.8	19.3
9 28	1 27.97	+18 55.6	2.136	3.079	7.6	19.1
10 8	1 21.04	+17 51.9	2.109	3.089	4.4	19.0
10 18	1 13.74	+16 36.8	2.109	3.099	2.7	18.9
10 28	1 6.89	+15 16.3	2.140	3.109	4.9	19.0
11 7	1 1.22	+13 57.2	2.198	3.119	8.0	19.2
11 17	0 57.27	+12 45.5	2.283	3.129	11.0	19.5

210767 2000 XY_{20} 10 13.9 21°.60 2°.4/12.6 18

9 8	1 46.96	+ 2 6.0	1.439	2.298	16.6	19.0
9 18	1 41.44	+ 2 12.0	1.376	2.301	12.6	18.7
9 28	1 33.20	+ 2 13.7	1.334	2.306	8.0	18.5
10 8	1 23.09	+ 2 15.3	1.317	2.310	3.4	18.2
10 18	1 12.34	+ 2 21.0	1.326	2.316	3.7	18.3
10 28	1 2.34	+ 2 35.0	1.362	2.321	8.3	18.6
11 7	0 54.27	+ 3 0.1	1.423	2.328	12.7	18.9
11 17	0 48.91	+ 3 37.5	1.505	2.334	16.5	19.1

215403 2002 EE_{53} 10 13.9 256°.44 2°.5/11.9 18

9 8	1 41.13	+ 6 59.7	1.460	2.320	16.4	20.3
9 18	1 37.18	+ 5 49.3	1.382	2.310	12.4	20.1
9 28	1 30.63	+ 4 22.9	1.326	2.299	7.8	19.8
10 8	1 22.18	+ 2 47.8	1.294	2.288	3.3	19.5
10 18	1 12.93	+ 1 13.5	1.288	2.277	4.2	19.5
10 28	1 4.20	− 0 9.3	1.310	2.265	9.0	19.8
11 7	0 57.18	− 1 12.1	1.355	2.254	13.7	20.0
11 17	0 52.69	− 1 50.1	1.422	2.242	17.8	20.2

13322 1998 RH_{80} 10 13.9 28°.91 1°.5/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 40.42	+ 5 11.4	1.788	2.641	14.2	17.3
9 18	1 35.96	+ 4 54.4	1.727	2.651	10.6	17.1
9 28	1 29.46	+ 4 30.1	1.689	2.661	6.6	16.9
10 8	1 21.63	+ 4 2.7	1.677	2.672	2.6	16.6
10 18	1 13.36	+ 3 36.7	1.692	2.683	2.8	16.7
10 28	1 5.68	+ 3 17.3	1.735	2.695	6.8	17.0
11 7	0 59.46	+ 3 8.2	1.803	2.707	10.5	17.2
11 17	0 55.28	+ 3 11.8	1.895	2.720	13.8	17.5

185368 2006 VL_{116} 10 13.9 2°.37 0°.9/13.4 18

9 8	1 33.16	+ 9 23.9	0.899	1.794	20.9	19.4
9 18	1 32.13	+ 8 54.4	0.846	1.791	16.0	19.1
9 28	1 27.82	+ 8 4.2	0.810	1.789	10.1	18.8
10 8	1 21.18	+ 7 0.1	0.794	1.790	3.7	18.4
10 18	1 13.65	+ 5 52.6	0.799	1.793	3.2	18.4
10 28	1 6.99	+ 4 54.1	0.826	1.798	9.6	18.8
11 7	1 2.64	+ 4 14.7	0.872	1.805	15.3	19.1
11 17	1 1.44	+ 3 59.6	0.937	1.814	20.1	19.5

381858 2009 XS_{19} 10 13.9 290°.07 0°.4/14.3 18

9 8	1 41.37	+11 16.9	1.587	2.431	16.1	21.4
9 18	1 37.33	+10 58.7	1.499	2.415	12.5	21.1
9 28	1 30.73	+10 25.1	1.432	2.399	8.1	20.8
10 8	1 22.25	+ 9 38.9	1.389	2.383	3.3	20.5
10 18	1 12.88	+ 8 45.4	1.373	2.367	2.0	20.4
10 28	1 3.89	+ 7 51.9	1.383	2.351	7.1	20.7
11 7	0 56.48	+ 7 6.1	1.419	2.335	11.9	20.9
11 17	0 51.52	+ 6 34.0	1.477	2.320	16.0	21.1

289646 2005 GP_{107} 10 13.9 257°.83 0°.3/13.7 18

9 8	1 43.08	+10 16.7	1.572	2.416	16.2	21.3
9 18	1 38.63	+ 9 44.3	1.484	2.401	12.5	21.0
9 28	1 31.57	+ 8 56.1	1.418	2.386	8.0	20.7
10 8	1 22.57	+ 7 55.9	1.376	2.371	3.0	20.4
10 18	1 12.67	+ 6 49.9	1.362	2.355	2.3	20.3
10 28	1 3.19	+ 5 46.4	1.374	2.339	7.5	20.6
11 7	0 55.34	+ 4 53.6	1.412	2.323	12.4	20.8
11 17	0 50.00	+ 4 17.4	1.472	2.306	16.6	21.0

347997 2003 SH_{207} 10 13.9 5°.74 0°.5/13.7 18

9 8	1 39.54	+ 7 29.2	1.157	2.032	18.7	19.5
9 18	1 36.39	+ 7 35.9	1.099	2.032	14.3	19.3
9 28	1 30.26	+ 7 30.5	1.059	2.034	9.1	19.0
10 8	1 22.06	+ 7 16.9	1.042	2.037	3.4	18.7
10 18	1 13.08	+ 7 0.3	1.048	2.042	2.6	18.6
10 28	1 4.87	+ 6 47.6	1.078	2.048	8.2	19.0
11 7	0 58.76	+ 6 44.8	1.131	2.056	13.3	19.3
11 17	0 55.54	+ 6 55.5	1.204	2.066	17.7	19.6

66709 1999 TS_{95} 10 13.9 55°.35 2°.7/12.3 18

9 8	1 47.96	+ 2 15.8	1.420	2.278	16.9	18.4
9 18	1 41.81	+ 2 2.9	1.380	2.306	12.6	18.3
9 28	1 33.15	+ 1 44.9	1.362	2.334	7.9	18.1
10 8	1 22.98	+ 1 27.1	1.368	2.361	3.5	17.9
10 18	1 12.54	+ 1 14.7	1.401	2.390	4.0	18.0
10 28	1 3.14	+ 1 12.4	1.461	2.418	8.2	18.3
11 7	0 55.77	+ 1 23.1	1.546	2.446	12.3	18.6
11 17	0 51.03	+ 1 47.6	1.653	2.474	15.7	18.9

201153 2002 KP_{4} 10 13.9 152°.99 2°.6/11.3 18

9 8	1 43.31	+ 1 41.9	2.344	3.184	11.7	21.6
9 18	1 37.67	+ 1 0.7	2.276	3.193	8.8	21.4
9 28	1 30.36	+ 0 15.3	2.235	3.202	5.6	21.2
10 8	1 21.96	− 0 29.9	2.221	3.211	2.9	21.1
10 18	1 13.22	− 1 10.2	2.236	3.218	3.6	21.1
10 28	1 4.94	− 1 41.1	2.282	3.225	6.6	21.3
11 7	0 57.86	− 1 59.6	2.355	3.232	9.6	21.5
11 17	0 52.48	− 2 4.1	2.452	3.237	12.3	21.7

220666 2004 RN_{187} 10 13.9 11°.00 6°.1/18.9 18

9 8	1 40.60	+23 7.9	1.609	2.408	17.9	19.1
9 18	1 36.73	+23 54.9	1.539	2.412	14.8	18.9
9 28	1 30.32	+24 20.8	1.487	2.417	11.3	18.7
10 8	1 22.08	+24 23.7	1.458	2.422	8.0	18.5
10 18	1 13.10	+24 4.3	1.453	2.429	6.2	18.4
10 28	1 4.67	+23 27.2	1.474	2.437	7.5	18.5
11 7	0 57.94	+22 40.2	1.520	2.445	10.6	18.7
11 17	0 53.72	+21 51.5	1.589	2.455	13.9	19.0

99551 2002 ED_{129} 10 13.9 81°.87 2°.3/15.9 18

9 8	1 43.52	+16 13.4	1.718	2.536	16.2	20.0
9 18	1 38.47	+16 7.8	1.655	2.552	12.7	19.8
9 28	1 31.14	+15 45.1	1.613	2.567	8.6	19.6
10 8	1 22.31	+15 7.1	1.596	2.583	4.4	19.4
10 18	1 13.00	+14 18.1	1.606	2.598	2.5	19.3
10 28	1 4.35	+13 24.5	1.644	2.613	6.0	19.5
11 7	0 57.36	+12 33.5	1.708	2.628	10.0	19.8
11 17	0 52.66	+11 51.1	1.796	2.643	13.5	20.1

412898 2014 QW_{78} 10 13.9 11°.31 3°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 36.40	+ 1 17.2	2.034	2.895	12.4	20.6
9 18	1 32.78	− 0 0.6	1.967	2.895	9.3	20.4
9 28	1 27.41	− 1 24.5	1.925	2.896	6.0	20.2
10 8	1 20.89	− 2 47.8	1.910	2.897	3.7	20.1
10 18	1 13.94	− 4 3.6	1.923	2.899	4.9	20.1
10 28	1 7.44	− 5 5.1	1.964	2.900	8.0	20.3
11 7	1 2.12	− 5 48.3	2.030	2.902	11.1	20.5
11 17	0 58.52	− 6 11.0	2.119	2.904	13.9	20.7

164106 2003 XQ_{10} 10 13.9 294°.87 4°.8/11.5 18

9 8	1 54.66	− 6 0.3	1.768	2.607	14.9	18.8
9 18	1 47.13	− 5 46.2	1.679	2.591	11.6	18.6
9 28	1 36.85	− 5 27.0	1.614	2.575	8.0	18.4
10 8	1 24.57	− 4 58.3	1.576	2.559	5.1	18.2
10 18	1 11.40	− 4 16.4	1.567	2.543	5.7	18.2
10 28	0 58.72	− 3 19.4	1.587	2.527	9.2	18.3
11 7	0 47.78	− 2 7.8	1.635	2.511	13.1	18.5
11 17	0 39.45	− 0 43.5	1.707	2.496	16.6	18.7

167162 2003 SW_{246} 10 13.9 0°.53 2°.3/11.8 18

9 8	1 35.96	+ 7 59.1	1.450	2.317	16.1	19.8
9 18	1 33.14	+ 6 36.5	1.384	2.315	12.1	19.6
9 28	1 27.96	+ 4 57.6	1.339	2.314	7.5	19.3
10 8	1 21.17	+ 3 10.5	1.319	2.314	3.1	19.0
10 18	1 13.78	+ 1 25.3	1.326	2.315	4.0	19.1
10 28	1 6.98	− 0 7.0	1.359	2.316	8.6	19.4
11 7	1 1.80	− 1 18.1	1.416	2.318	13.0	19.6
11 17	0 58.91	− 2 3.8	1.494	2.320	16.8	19.9

141553 2002 GL_{58} 10 13.9 112°.44 6°.0/18.5 18

9 8	1 49.38	+23 18.8	1.593	2.377	18.7	20.3
9 18	1 43.35	+23 56.6	1.526	2.391	15.4	20.2
9 28	1 34.48	+24 11.9	1.478	2.405	11.6	20.0
10 8	1 23.65	+24 2.7	1.454	2.419	7.9	19.8
10 18	1 12.10	+23 30.1	1.455	2.432	6.0	19.7
10 28	1 1.31	+22 39.9	1.484	2.445	7.6	19.8
11 7	0 52.52	+21 41.1	1.538	2.457	10.9	20.1
11 17	0 46.55	+20 42.8	1.616	2.469	14.4	20.3

373506 2001 FY_{79} 10 13.9 209°.12 0°.1/14.1 17

9 8	1 42.25	+14 31.7	2.079	2.894	13.9	21.7
9 18	1 37.31	+13 12.0	1.986	2.886	10.7	21.5
9 28	1 30.37	+11 33.2	1.917	2.878	6.9	21.2
10 8	1 22.05	+ 9 39.9	1.876	2.869	2.7	20.9
10 18	1 13.17	+ 7 39.2	1.865	2.859	1.7	20.9
10 28	1 4.71	+ 5 40.3	1.886	2.848	6.1	21.1
11 7	0 57.54	+ 3 52.1	1.935	2.837	10.1	21.3
11 17	0 52.31	+ 2 21.4	2.010	2.824	13.5	21.6

516515 2006 DP_{173} 10 13.9 141°.39 0°.1/13.8 18

9 8	1 39.10	+ 9 27.2	2.494	3.322	11.5	21.6
9 18	1 34.53	+ 9 6.5	2.416	3.325	8.7	21.4
9 28	1 28.41	+ 8 37.2	2.363	3.328	5.5	21.2
10 8	1 21.26	+ 8 2.0	2.337	3.331	2.1	21.0
10 18	1 13.72	+ 7 24.4	2.340	3.334	1.5	21.0
10 28	1 6.55	+ 6 48.5	2.373	3.336	4.9	21.2
11 7	1 0.41	+ 6 18.4	2.434	3.339	8.1	21.4
11 17	0 55.80	+ 5 57.1	2.520	3.341	10.9	21.6

475922 2007 EZ_{41} 10 13.9 166°.32 0°.4/13.6 18

9 8	1 42.81	+ 9 50.2	1.914	2.748	14.2	22.1
9 18	1 37.77	+ 9 14.3	1.840	2.752	10.8	21.9
9 28	1 30.66	+ 8 26.2	1.788	2.755	6.8	21.7
10 8	1 22.15	+ 7 29.8	1.763	2.758	2.5	21.4
10 18	1 13.13	+ 6 30.4	1.767	2.760	2.0	21.4
10 28	1 4.61	+ 5 34.7	1.799	2.762	6.3	21.7
11 7	0 57.52	+ 4 48.4	1.858	2.763	10.2	21.9
11 17	0 52.47	+ 4 15.9	1.942	2.764	13.6	22.1

234320 2001 CY_{18} 10 13.9 149°.88 5°.6/19.6 18

9 8	1 44.92	+26 23.7	2.199	2.949	15.2	20.6
9 18	1 39.38	+26 48.1	2.117	2.956	12.7	20.4
9 28	1 31.72	+26 53.1	2.055	2.963	9.9	20.3
10 8	1 22.57	+26 37.4	2.018	2.969	7.2	20.1
10 18	1 12.84	+26 1.8	2.008	2.975	5.6	20.0
10 28	1 3.57	+25 10.3	2.027	2.981	6.5	20.1
11 7	0 55.69	+24 9.6	2.073	2.986	8.9	20.3
11 17	0 49.89	+23 6.7	2.144	2.990	11.6	20.4

443430 2014 HH_{125} 10 13.9 21°.31 0°.8/14.6 18

9 8	1 42.56	+11 12.2	1.716	2.553	15.4	20.9
9 18	1 37.87	+11 11.5	1.644	2.555	11.9	20.6
9 28	1 30.87	+10 58.2	1.593	2.557	7.7	20.4
10 8	1 22.27	+10 34.8	1.567	2.559	3.2	20.1
10 18	1 13.06	+10 5.0	1.568	2.562	1.8	20.0
10 28	1 4.39	+ 9 34.4	1.596	2.565	6.3	20.3
11 7	0 57.27	+ 9 8.8	1.651	2.568	10.5	20.6
11 17	0 52.41	+ 8 52.7	1.729	2.571	14.1	20.8

96270 1995 SY_{68} 10 13.9 136°.20 0°.7/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 43.71	+11 45.0	1.895	2.722	14.6	20.1
9 18	1 38.49	+11 33.9	1.822	2.728	11.2	19.9
9 28	1 31.13	+11 10.2	1.772	2.734	7.3	19.7
10 8	1 22.34	+10 36.6	1.748	2.740	3.0	19.4
10 18	1 13.03	+ 9 57.0	1.751	2.746	1.7	19.3
10 28	1 4.24	+ 9 17.0	1.784	2.751	5.9	19.6
11 7	0 56.92	+ 8 42.3	1.843	2.756	9.8	19.9
11 17	0 51.70	+ 8 17.4	1.927	2.760	13.2	20.1

446082 2013 CQ_{174} 10 13.9 239°.74 1°.1/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.31	+ 8 0.7	2.136	2.975	12.7	21.6
9 18	1 35.02	+ 7 16.4	2.051	2.968	9.6	21.4
9 28	1 28.89	+ 6 21.6	1.991	2.960	6.0	21.1
10 8	1 21.50	+ 5 20.3	1.957	2.952	2.2	20.9
10 18	1 13.59	+ 4 17.9	1.952	2.943	2.4	20.9
10 28	1 6.04	+ 3 20.5	1.976	2.935	6.2	21.1
11 7	0 59.66	+ 2 33.4	2.027	2.926	9.8	21.3
11 17	0 55.05	+ 2 0.4	2.102	2.917	13.0	21.5

304423 2006 TM_{68} 10 13.9 270°.47 0°.1/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.48	+ 8 24.7	2.232	3.055	12.8	20.8
9 18	1 39.82	+ 8 29.5	2.126	3.031	9.8	20.6
9 28	1 32.08	+ 8 26.7	2.043	3.007	6.4	20.3
10 8	1 22.77	+ 8 17.9	1.988	2.982	2.5	20.0
10 18	1 12.68	+ 8 5.8	1.963	2.957	1.7	19.9
10 28	1 2.77	+ 7 53.9	1.967	2.931	5.8	20.2
11 7	0 53.99	+ 7 46.3	2.000	2.905	9.6	20.4
11 17	0 47.10	+ 7 46.3	2.058	2.878	13.0	20.5

283642 2002 GJ_{56} 10 13.9 220°.93 2°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.03	+17 16.4	2.132	2.935	14.0	21.2
9 18	1 37.20	+16 59.0	2.039	2.926	11.1	21.0
9 28	1 30.35	+16 25.5	1.968	2.918	7.7	20.7
10 8	1 22.08	+15 37.1	1.923	2.908	4.0	20.5
10 18	1 13.19	+14 37.2	1.907	2.899	2.3	20.4
10 28	1 4.65	+13 31.6	1.920	2.888	5.4	20.6
11 7	0 57.37	+12 27.0	1.961	2.877	9.1	20.8
11 17	0 52.02	+11 29.7	2.027	2.866	12.5	21.0

222173 2000 AX_{236} 10 13.9 251°.95 1°.7/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.27	+15 39.3	2.526	3.331	12.0	21.0
9 18	1 34.81	+15 30.8	2.431	3.321	9.4	20.9
9 28	1 28.69	+15 10.1	2.359	3.310	6.4	20.7
10 8	1 21.42	+14 38.5	2.313	3.299	3.3	20.4
10 18	1 13.64	+13 58.5	2.296	3.289	1.9	20.3
10 28	1 6.13	+13 14.4	2.309	3.278	4.7	20.5
11 7	0 59.62	+12 30.8	2.351	3.266	7.9	20.7
11 17	0 54.68	+11 52.4	2.418	3.255	10.8	20.9

393156 2013 CV_{15} 10 13.9 258°.55 2°.3/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 31.56	− 2 35.0	4.379	5.226	6.5	21.7
9 18	1 28.29	− 3 13.8	4.304	5.223	4.9	21.6
9 28	1 24.23	− 3 53.3	4.256	5.221	3.3	21.5
10 8	1 19.65	− 4 30.9	4.237	5.218	2.3	21.4
10 18	1 14.88	− 5 4.2	4.248	5.215	2.9	21.4
10 28	1 10.27	− 5 31.0	4.288	5.213	4.4	21.5
11 7	1 6.18	− 5 49.6	4.357	5.210	6.1	21.7
11 17	1 2.86	− 5 59.1	4.450	5.207	7.6	21.8

102037 1999 RU_{108} 10 13.9 90°.78 3°.0/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.82	+18 21.2	1.478	2.297	18.3	19.6
9 18	1 39.79	+18 5.9	1.419	2.314	14.5	19.4
9 28	1 32.13	+17 28.4	1.379	2.332	10.0	19.2
10 8	1 22.74	+16 31.0	1.363	2.348	5.3	19.0
10 18	1 12.83	+15 19.1	1.373	2.365	3.1	18.9
10 28	1 3.75	+14 1.5	1.411	2.381	6.6	19.1
11 7	0 56.62	+12 47.9	1.474	2.397	11.0	19.4
11 17	0 52.11	+11 46.0	1.560	2.413	14.8	19.7

394625 2007 WE_{61} 10 13.9 299°.63 9°.0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.17	−13 23.2	1.729	2.590	14.2	20.9
9 18	1 37.67	−14 37.2	1.657	2.571	11.7	20.7
9 28	1 30.82	−15 45.1	1.608	2.551	9.6	20.5
10 8	1 22.30	−16 37.6	1.583	2.531	9.1	20.4
10 18	1 13.07	−17 6.6	1.583	2.511	10.4	20.5
10 28	1 4.30	−17 6.9	1.607	2.492	13.0	20.6
11 7	0 57.04	−16 37.4	1.653	2.473	15.8	20.7
11 17	0 52.05	−15 40.5	1.718	2.454	18.5	20.9

449537 2014 HR_{91} 10 13.9 119°.47 4°.2/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.35	− 3 52.1	2.108	2.955	12.5	21.3
9 18	1 39.35	− 4 20.8	2.048	2.966	9.5	21.1
9 28	1 31.49	− 4 49.0	2.013	2.977	6.4	21.0
10 8	1 22.45	− 5 11.8	2.005	2.987	4.3	20.9
10 18	1 13.06	− 5 24.7	2.026	2.997	5.2	20.9
10 28	1 4.24	− 5 24.4	2.076	3.007	7.9	21.1
11 7	0 56.80	− 5 9.3	2.152	3.017	10.9	21.3
11 17	0 51.27	− 4 39.5	2.251	3.026	13.5	21.5

404413 2013 GV_{70} 10 13.9 152°.82 0°.2/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 40.17	+10 55.8	2.671	3.489	11.1	22.4
9 18	1 35.23	+10 32.7	2.594	3.496	8.4	22.3
9 28	1 28.81	+10 0.5	2.541	3.503	5.4	22.1
10 8	1 21.44	+ 9 21.7	2.516	3.509	2.1	21.9
10 18	1 13.72	+ 8 39.5	2.521	3.516	1.3	21.8
10 28	1 6.36	+ 7 58.2	2.557	3.521	4.6	22.1
11 7	0 59.99	+ 7 21.7	2.621	3.526	7.6	22.3
11 17	0 55.09	+ 6 53.2	2.712	3.531	10.3	22.5

252088 2000 UG_{28} 10 13.9 292°.24 2°.3/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.09	+ 4 24.8	1.346	2.209	17.3	20.3
9 18	1 40.48	+ 4 6.0	1.270	2.199	13.2	20.0
9 28	1 32.92	+ 3 37.8	1.215	2.189	8.4	19.7
10 8	1 23.18	+ 3 5.4	1.184	2.179	3.5	19.4
10 18	1 12.50	+ 2 35.3	1.178	2.169	3.9	19.4
10 28	1 2.38	+ 2 14.8	1.198	2.159	9.0	19.7
11 7	0 54.20	+ 2 9.3	1.242	2.149	14.0	19.9
11 17	0 48.88	+ 2 21.7	1.306	2.140	18.3	20.2

61221 2000 OZ_{12} 10 13.9 81°.21 1°.9/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.57	+ 6 11.1	1.575	2.428	15.8	19.5
9 18	1 38.52	+ 5 26.1	1.523	2.446	11.8	19.3
9 28	1 31.16	+ 4 31.2	1.493	2.464	7.3	19.1
10 8	1 22.35	+ 3 32.1	1.488	2.482	2.9	18.8
10 18	1 13.15	+ 2 35.9	1.510	2.500	3.3	18.9
10 28	1 4.73	+ 1 49.7	1.560	2.518	7.6	19.2
11 7	0 58.03	+ 1 18.5	1.635	2.536	11.7	19.5
11 17	0 53.66	+ 1 4.9	1.733	2.553	15.1	19.8

107627 2001 ER_{10} 10 13.9 77°.05 4°.8/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.69	+20 42.8	1.445	2.255	19.1	19.6
9 18	1 40.69	+21 2.3	1.382	2.267	15.4	19.4
9 28	1 32.85	+20 58.7	1.338	2.280	11.2	19.2
10 8	1 23.08	+20 31.8	1.316	2.293	7.0	19.0
10 18	1 12.63	+19 44.6	1.320	2.306	4.8	18.9
10 28	1 2.97	+18 44.2	1.350	2.319	7.2	19.1
11 7	0 55.34	+17 40.5	1.406	2.331	11.2	19.4
11 17	0 50.50	+16 42.4	1.484	2.344	15.0	19.6

515698 2014 QV_{122} 10 13.9 124°.93 2°.1/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.10	+16 28.4	2.527	3.325	12.2	22.0
9 18	1 36.07	+16 28.0	2.450	3.334	9.6	21.8
9 28	1 29.41	+16 15.5	2.396	3.343	6.6	21.6
10 8	1 21.68	+15 52.1	2.368	3.352	3.5	21.4
10 18	1 13.56	+15 20.1	2.370	3.361	2.1	21.4
10 28	1 5.83	+14 43.3	2.402	3.369	4.6	21.5
11 7	0 59.18	+14 6.4	2.462	3.377	7.5	21.7
11 17	0 54.13	+13 33.6	2.548	3.385	10.3	21.9

440368 2004 XP_{103} 10 13.9 354°.41 3°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.33	+19 48.1	1.422	2.250	18.4	20.2
9 18	1 34.46	+19 28.1	1.347	2.247	14.8	19.9
9 28	1 28.98	+18 42.5	1.291	2.244	10.5	19.7
10 8	1 21.65	+17 33.0	1.258	2.242	5.9	19.4
10 18	1 13.57	+16 5.1	1.250	2.241	3.5	19.3
10 28	1 6.07	+14 28.6	1.267	2.240	6.8	19.5
11 7	1 0.34	+12 54.8	1.309	2.240	11.4	19.7
11 17	0 57.15	+11 33.6	1.374	2.241	15.6	20.0

315092 2007 DJ_{91} 10 13.9 73°.21 1°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.43	+ 6 40.4	2.113	2.956	12.7	20.5
9 18	1 34.93	+ 6 0.5	2.053	2.972	9.5	20.4
9 28	1 28.72	+ 5 12.6	2.017	2.987	5.9	20.2
10 8	1 21.41	+ 4 20.8	2.007	3.002	2.3	20.0
10 18	1 13.78	+ 3 30.3	2.027	3.017	2.5	20.0
10 28	1 6.66	+ 2 46.2	2.075	3.032	6.0	20.3
11 7	1 0.77	+ 2 13.0	2.149	3.047	9.4	20.5
11 17	0 56.63	+ 1 53.1	2.248	3.062	12.3	20.7

447111 2004 TS_{198} 10 13.9 273°.60 1°.0/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.67	+ 6 14.0	2.295	3.133	12.0	21.1
9 18	1 35.98	+ 5 57.1	2.205	3.120	9.1	20.9
9 28	1 29.51	+ 5 33.1	2.138	3.107	5.7	20.7
10 8	1 21.78	+ 5 4.9	2.099	3.093	2.2	20.4
10 18	1 13.50	+ 4 36.3	2.088	3.080	2.2	20.4
10 28	1 5.51	+ 4 11.6	2.107	3.067	5.8	20.6
11 7	0 58.61	+ 3 54.7	2.153	3.053	9.3	20.8
11 17	0 53.40	+ 3 48.4	2.224	3.040	12.3	21.0

441562 2008 TD_{188} 10 13.9 316°.79 2°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.22	+18 34.5	1.579	2.405	17.0	21.1
9 18	1 34.14	+17 38.0	1.495	2.397	13.5	20.9
9 28	1 28.68	+16 15.8	1.432	2.390	9.2	20.6
10 8	1 21.53	+14 31.4	1.394	2.382	4.5	20.3
10 18	1 13.68	+12 32.0	1.382	2.376	2.2	20.1
10 28	1 6.35	+10 28.7	1.397	2.369	6.5	20.4
11 7	1 0.59	+ 8 33.4	1.439	2.363	11.2	20.7
11 17	0 57.16	+ 6 55.6	1.505	2.357	15.3	20.9

191480 2003 SR_{310} 10 13.9 33°.58 8°.9/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 40.40	−16 57.8	1.981	2.834	13.0	19.2
9 18	1 35.79	−18 9.2	1.941	2.842	10.9	19.1
9 28	1 29.30	−19 10.0	1.923	2.850	9.3	19.0
10 8	1 21.64	−19 52.7	1.930	2.859	9.0	19.0
10 18	1 13.67	−20 12.0	1.962	2.867	10.0	19.1
10 28	1 6.30	−20 5.1	2.018	2.876	11.9	19.2
11 7	1 0.33	−19 32.6	2.096	2.886	14.0	19.4
11 17	0 56.27	−18 37.4	2.193	2.896	15.9	19.6

94284 2001 DW_{51} 10 13.9 51°.94 3°.8/10.5 18

9 8	1 41.45	− 2 11.3	2.069	2.924	12.5	18.6
9 18	1 36.51	− 2 43.2	2.008	2.931	9.4	18.4
9 28	1 29.76	− 3 16.2	1.971	2.938	6.2	18.2
10 8	1 21.83	− 3 45.3	1.960	2.946	4.0	18.1
10 18	1 13.53	− 4 5.8	1.978	2.953	4.8	18.1
10 28	1 5.75	− 4 13.9	2.023	2.961	7.7	18.3
11 7	0 59.25	− 4 7.3	2.095	2.969	10.7	18.5
11 17	0 54.59	− 3 45.7	2.189	2.977	13.4	18.7

434750 2006 HD_{42} 10 13.9 25°.80 12°.2/ 6.9 18

9 8	1 43.05	−16 52.9	1.149	2.029	18.6	19.4
9 18	1 38.63	−18 4.5	1.127	2.046	15.4	19.3
9 28	1 31.36	−18 58.0	1.124	2.065	13.0	19.2
10 8	1 22.42	−19 22.7	1.142	2.086	12.2	19.2
10 18	1 13.23	−19 12.1	1.181	2.108	13.3	19.4
10 28	1 5.25	−18 25.5	1.241	2.131	15.6	19.6
11 7	0 59.53	−17 7.2	1.321	2.155	18.3	19.8
11 17	0 56.60	−15 24.4	1.418	2.180	20.6	20.1

135041 2001 OU_{12} 10 13.9 119°.39 1°.7/12.5 18

9 8	1 43.67	+ 7 6.8	1.758	2.602	14.8	20.5
9 18	1 38.44	+ 6 11.6	1.698	2.617	11.1	20.3
9 28	1 31.08	+ 5 5.7	1.662	2.632	6.9	20.1
10 8	1 22.35	+ 3 54.8	1.652	2.646	2.7	19.9
10 18	1 13.22	+ 2 45.8	1.670	2.660	3.1	19.9
10 28	1 4.76	+ 1 46.0	1.717	2.674	7.2	20.2
11 7	0 57.87	+ 1 0.8	1.790	2.686	11.1	20.5
11 17	0 53.14	+ 0 33.4	1.886	2.699	14.4	20.7

470945 2009 HN_{106} 10 13.9 132°.35 1°.5/15.4 16

9 8	1 46.57	+15 23.3	1.843	2.654	15.5	22.6
9 18	1 40.63	+14 56.6	1.777	2.672	12.0	22.4
9 28	1 32.48	+14 13.2	1.733	2.688	8.0	22.2
10 8	1 22.89	+13 15.9	1.714	2.704	3.7	22.0
10 18	1 12.87	+12 9.9	1.725	2.719	1.9	21.9
10 28	1 3.52	+11 2.0	1.765	2.732	5.9	22.2
11 7	0 55.80	+ 9 59.7	1.832	2.745	9.8	22.4
11 17	0 50.32	+ 9 8.5	1.924	2.757	13.3	22.7

490482 2009 SZ_{352} 10 13.9 236°.64 1°.6/15.5 17

9 8	1 42.27	+13 40.2	2.390	3.200	12.4	22.0
9 18	1 37.14	+13 50.5	2.303	3.197	9.7	21.8
9 28	1 30.22	+13 50.4	2.239	3.193	6.5	21.6
10 8	1 22.06	+13 40.9	2.202	3.190	3.2	21.4
10 18	1 13.38	+13 24.1	2.194	3.187	1.8	21.2
10 28	1 5.02	+13 3.3	2.216	3.183	4.9	21.5
11 7	0 57.77	+12 42.9	2.266	3.180	8.2	21.7
11 17	0 52.22	+12 26.5	2.341	3.176	11.1	21.8

358976 2008 SZ_{38} 10 13.9 325°.39 0°.6/12.8 18

9 8	1 31.21	+ 7 11.5	4.228	5.057	7.1	20.6
9 18	1 28.11	+ 6 34.5	4.143	5.055	5.3	20.4
9 28	1 24.17	+ 5 52.9	4.085	5.052	3.3	20.3
10 8	1 19.69	+ 5 8.6	4.056	5.050	1.2	20.1
10 18	1 15.02	+ 4 24.2	4.057	5.048	1.3	20.1
10 28	1 10.51	+ 3 42.4	4.089	5.045	3.4	20.3
11 7	1 6.52	+ 3 5.5	4.150	5.043	5.4	20.4
11 17	1 3.34	+ 2 35.4	4.238	5.041	7.1	20.6

69985 1998 WV_{22} 10 13.9 325°.08 4°.0/10.2 18

9 8	1 40.32	− 2 50.3	2.156	3.012	12.0	19.1
9 18	1 35.70	− 3 26.2	2.085	3.007	9.1	18.9
9 28	1 29.31	− 4 3.1	2.037	3.003	6.1	18.7
10 8	1 21.71	− 4 36.1	2.016	3.000	4.1	18.6
10 18	1 13.67	− 5 0.2	2.023	2.996	5.0	18.6
10 28	1 6.04	− 5 11.5	2.058	2.992	7.8	18.8
11 7	0 59.60	− 5 7.4	2.119	2.989	10.8	19.0
11 17	0 54.91	− 4 47.4	2.203	2.986	13.5	19.2

263045 2007 HE_{7} 10 13.9 156°.27 5°.0/ 7.9 18

9 8	1 40.00	− 8 52.9	2.735	3.582	10.0	21.1
9 18	1 35.03	− 9 45.2	2.676	3.588	7.8	21.0
9 28	1 28.67	−10 34.6	2.642	3.593	5.9	20.9
10 8	1 21.42	−11 16.3	2.636	3.598	5.0	20.8
10 18	1 13.89	−11 46.1	2.658	3.602	5.9	20.9
10 28	1 6.73	−12 1.0	2.709	3.607	7.8	21.0
11 7	1 0.56	−11 59.5	2.786	3.611	9.9	21.2
11 17	0 55.81	−11 42.0	2.885	3.614	11.9	21.3

95451 2002 CV_{277} 10 13.9 116°.84 0°.1/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 39.80	+10 37.8	2.363	3.188	12.1	20.4
9 18	1 35.13	+10 8.4	2.292	3.199	9.2	20.2
9 28	1 28.84	+ 9 29.0	2.245	3.209	5.8	20.1
10 8	1 21.51	+ 8 42.5	2.226	3.220	2.2	19.8
10 18	1 13.83	+ 7 53.1	2.236	3.230	1.5	19.8
10 28	1 6.57	+ 7 5.7	2.275	3.239	5.1	20.1
11 7	1 0.43	+ 6 24.7	2.343	3.249	8.3	20.3
11 17	0 55.91	+ 5 53.7	2.435	3.258	11.2	20.5

108786 2001 OH_{63} 10 13.9 49°.62 4°.5/10.0 18

9 8	1 40.03	+ 0 35.1	1.538	2.407	15.2	18.7
9 18	1 35.80	− 0 43.6	1.499	2.431	11.3	18.5
9 28	1 29.42	− 2 6.6	1.482	2.454	7.3	18.3
10 8	1 21.72	− 3 25.4	1.491	2.478	4.6	18.2
10 18	1 13.74	− 4 31.8	1.527	2.503	5.8	18.4
10 28	1 6.54	− 5 19.0	1.588	2.528	9.3	18.6
11 7	1 1.00	− 5 43.9	1.674	2.552	12.7	18.9
11 17	0 57.64	− 5 46.1	1.781	2.577	15.7	19.2

482603 2012 YQ_{4} 10 13.9 338°.75 2°.9/16.1 17

9 8	1 39.07	+16 1.0	1.420	2.260	17.9	20.8
9 18	1 35.90	+16 9.1	1.340	2.249	14.2	20.5
9 28	1 30.02	+15 57.9	1.280	2.239	9.8	20.2
10 8	1 22.14	+15 28.2	1.242	2.229	5.2	19.9
10 18	1 13.36	+14 43.5	1.229	2.221	3.1	19.8
10 28	1 5.05	+13 51.0	1.241	2.214	7.0	20.0
11 7	0 58.48	+12 59.5	1.277	2.207	11.7	20.3
11 17	0 54.55	+12 16.8	1.336	2.201	16.0	20.5

349788 2009 BZ_{62} 10 13.9 323°.98 5°.1/10.9 18

9 8	1 44.96	− 3 15.6	1.452	2.320	16.0	20.1
9 18	1 40.21	− 3 32.1	1.376	2.304	12.4	19.8
9 28	1 32.69	− 3 48.6	1.320	2.289	8.4	19.6
10 8	1 23.15	− 3 58.8	1.288	2.275	5.3	19.4
10 18	1 12.71	− 3 56.6	1.282	2.261	6.3	19.4
10 28	1 2.79	− 3 37.1	1.302	2.248	10.2	19.6
11 7	0 54.66	− 2 58.2	1.345	2.235	14.4	19.8
11 17	0 49.20	− 2 0.6	1.409	2.224	18.2	20.0

400610 2009 BL_{171} 10 13.9 157°.06 0°.2/14.2 18

9 8	1 42.14	+10 50.8	2.195	3.019	12.9	22.0
9 18	1 37.07	+10 30.1	2.118	3.024	9.9	21.8
9 28	1 30.18	+ 9 58.6	2.065	3.028	6.3	21.6
10 8	1 22.06	+ 9 19.1	2.039	3.033	2.5	21.3
10 18	1 13.49	+ 8 35.5	2.042	3.036	1.5	21.3
10 28	1 5.36	+ 7 52.8	2.075	3.040	5.4	21.5
11 7	0 58.45	+ 7 16.1	2.135	3.043	8.9	21.8
11 17	0 53.35	+ 6 49.0	2.220	3.046	12.0	22.0

465007 2006 FZ_{41} 10 13.9 50°.64 1°.9/12.9 17

9 8	1 47.10	+ 5 46.2	1.067	1.939	20.2	20.8
9 18	1 41.96	+ 5 26.6	1.029	1.961	15.2	20.6
9 28	1 33.67	+ 4 55.7	1.009	1.984	9.5	20.3
10 8	1 23.39	+ 4 19.8	1.012	2.007	3.6	20.1
10 18	1 12.71	+ 3 46.7	1.039	2.031	3.7	20.2
10 28	1 3.26	+ 3 24.0	1.090	2.055	9.1	20.6
11 7	0 56.31	+ 3 16.9	1.164	2.080	14.0	20.9
11 17	0 52.49	+ 3 27.5	1.259	2.104	18.1	21.3

450305 2004 RK_{135} 10 13.9 3°.59 1°.0/13.2 17

9 8	1 38.10	+ 7 27.3	1.608	2.466	15.2	20.7
9 18	1 34.61	+ 7 4.4	1.540	2.465	11.5	20.5
9 28	1 28.88	+ 6 30.7	1.494	2.466	7.3	20.3
10 8	1 21.63	+ 5 50.6	1.472	2.467	2.7	20.0
10 18	1 13.79	+ 5 9.6	1.476	2.469	2.5	20.0
10 28	1 6.49	+ 4 34.1	1.508	2.472	7.1	20.3
11 7	1 0.70	+ 4 9.8	1.564	2.476	11.3	20.5
11 17	0 57.11	+ 4 0.1	1.642	2.481	14.9	20.8

388044 2005 SO_{212} 10 14.0 252°.60 0°.6/14.5 18

9 8	1 41.18	+13 11.1	1.748	2.580	15.4	21.8
9 18	1 36.98	+12 33.5	1.660	2.569	11.9	21.6
9 28	1 30.46	+11 38.4	1.593	2.557	7.8	21.3
10 8	1 22.27	+10 29.3	1.552	2.545	3.2	21.0
10 18	1 13.34	+ 9 11.8	1.538	2.533	1.8	20.9
10 28	1 4.82	+ 7 54.0	1.553	2.520	6.5	21.2
11 7	0 57.76	+ 6 44.3	1.593	2.507	11.0	21.4
11 17	0 52.92	+ 5 49.0	1.657	2.494	14.9	21.6

403154 2008 FG_{94} 10 14.0 90°.02 3°.3/11.0 18

9 8	1 43.91	− 1 26.3	2.241	3.087	12.0	20.9
9 18	1 38.16	− 1 50.5	2.186	3.104	9.0	20.8
9 28	1 30.72	− 2 15.7	2.156	3.122	5.9	20.6
10 8	1 22.23	− 2 37.8	2.153	3.140	3.5	20.5
10 18	1 13.46	− 2 52.9	2.179	3.157	4.2	20.6
10 28	1 5.24	− 2 57.6	2.234	3.174	6.9	20.8
11 7	0 58.30	− 2 50.0	2.317	3.191	9.8	21.0
11 17	0 53.12	− 2 29.6	2.423	3.208	12.4	21.2