101297 1998 SZ_{127} 11 1.0 32°.26 2°.2/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.47	+11 18.4	1.042	1.927	19.1	19.3
10 8	2 46.79	+10 56.5	1.003	1.943	14.0	19.0
10 18	2 39.02	+10 26.7	0.984	1.960	8.3	18.8
10 28	2 29.41	+ 9 54.8	0.987	1.978	2.9	18.6
11 7	2 19.63	+ 9 28.0	1.014	1.997	4.9	18.7
11 17	2 11.27	+ 9 12.4	1.065	2.018	10.3	19.1
11 27	2 5.57	+ 9 12.4	1.137	2.039	15.1	19.5
12 7	2 3.12	+ 9 29.4	1.229	2.061	19.1	19.8

74099 1998 QK_{22} 11 1.0 49°.91 9°.0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.81	+37 41.1	1.614	2.380	19.0	18.9
10 8	2 49.17	+38 29.2	1.554	2.394	16.1	18.7
10 18	2 40.51	+38 49.9	1.512	2.409	13.0	18.6
10 28	2 29.89	+38 39.0	1.492	2.424	10.3	18.5
11 7	2 18.83	+37 56.8	1.495	2.440	9.0	18.4
11 17	2 8.93	+36 49.0	1.524	2.456	9.9	18.5
11 27	2 1.51	+35 25.7	1.578	2.472	12.2	18.7
12 7	1 57.30	+33 58.5	1.655	2.488	14.9	18.9

348724 2006 DP_{120} 11 1.0 216°.50 7°.1/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.63	− 4 13.3	1.963	2.816	12.9	20.9
10 8	2 45.88	− 5 14.5	1.899	2.810	10.2	20.7
10 18	2 38.15	− 6 9.5	1.859	2.804	7.9	20.5
10 28	2 29.17	− 6 51.4	1.846	2.798	7.2	20.5
11 7	2 19.89	− 7 14.6	1.860	2.791	8.5	20.6
11 17	2 11.29	− 7 15.9	1.900	2.784	11.0	20.7
11 27	2 4.23	− 6 54.6	1.964	2.777	13.8	20.9
12 7	1 59.31	− 6 12.7	2.048	2.769	16.2	21.0

10235 1998 QR_{37} 11 1.0 95°.55 1°.0/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.14	+19 31.1	2.305	3.133	12.1	17.6
10 8	2 43.78	+19 10.3	2.241	3.148	9.0	17.5
10 18	2 36.76	+18 39.1	2.201	3.163	5.6	17.3
10 28	2 28.75	+17 59.4	2.189	3.178	2.1	17.1
11 7	2 20.57	+17 14.8	2.207	3.193	2.1	17.1
11 17	2 13.06	+16 29.6	2.254	3.207	5.6	17.3
11 27	2 6.93	+15 48.5	2.329	3.221	8.8	17.6
12 7	2 2.67	+15 15.4	2.429	3.235	11.6	17.8

372328 2009 BH_{68} 11 1.0 159°.20 3°.2/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.70	+24 5.3	1.653	2.472	16.4	21.8
10 8	2 50.18	+24 5.6	1.581	2.479	12.7	21.6
10 18	2 40.97	+23 48.1	1.532	2.484	8.6	21.4
10 28	2 30.03	+23 12.6	1.507	2.490	4.4	21.2
11 7	2 18.68	+22 22.8	1.511	2.494	3.7	21.1
11 17	2 8.29	+21 24.8	1.543	2.498	7.5	21.4
11 27	2 0.04	+20 26.9	1.601	2.501	11.6	21.6
12 7	1 54.67	+19 36.7	1.683	2.503	15.3	21.9

332912 2011 BO_{103} 11 1.0 246°.56 1°.0/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.66	+13 6.3	2.543	3.387	10.6	21.7
10 8	2 41.93	+12 29.5	2.459	3.378	7.8	21.6
10 18	2 35.69	+11 46.2	2.400	3.369	4.6	21.3
10 28	2 28.47	+10 59.4	2.369	3.360	1.5	21.1
11 7	2 20.97	+10 13.0	2.368	3.350	2.7	21.2
11 17	2 13.93	+ 9 31.0	2.397	3.341	6.0	21.4
11 27	2 8.01	+ 8 57.1	2.454	3.331	9.1	21.6
12 7	2 3.73	+ 8 34.1	2.536	3.321	11.8	21.7

151435 2002 FN_{39} 11 1.0 234°.70 0°.7/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.64	+13 51.8	2.307	3.150	11.5	21.0
10 8	2 43.53	+13 27.2	2.225	3.144	8.5	20.8
10 18	2 36.71	+12 55.6	2.169	3.138	5.1	20.6
10 28	2 28.78	+12 19.7	2.140	3.131	1.5	20.3
11 7	2 20.53	+11 43.1	2.141	3.125	2.6	20.4
11 17	2 12.80	+11 9.8	2.171	3.118	6.3	20.6
11 27	2 6.37	+10 43.9	2.229	3.111	9.6	20.8
12 7	2 1.78	+10 28.2	2.311	3.104	12.5	21.0

210848 2001 QD_{241} 11 1.0 110°.47 4°.5/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.74	+28 57.2	2.217	3.001	13.9	20.5
10 8	2 48.17	+29 20.3	2.149	3.019	11.1	20.4
10 18	2 39.52	+29 27.2	2.105	3.035	8.1	20.2
10 28	2 29.58	+29 16.7	2.087	3.052	5.4	20.1
11 7	2 19.38	+28 50.3	2.097	3.067	4.6	20.0
11 17	2 9.95	+28 11.8	2.137	3.083	6.4	20.2
11 27	2 2.20	+27 27.2	2.205	3.098	9.2	20.4
12 7	1 56.73	+26 42.7	2.297	3.113	11.9	20.6

291210 2006 AB_{85} 11 1.0 153°.74 9°.6/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.53	−21 52.9	2.750	3.538	11.4	20.4
10 8	2 44.51	−22 49.1	2.713	3.544	10.3	20.4
10 18	2 37.08	−23 29.1	2.700	3.549	9.7	20.3
10 28	2 28.84	−23 48.1	2.711	3.554	9.7	20.4
11 7	2 20.52	−23 43.3	2.747	3.558	10.4	20.4
11 17	2 12.82	−23 14.0	2.806	3.562	11.6	20.5
11 27	2 6.36	−22 22.1	2.886	3.566	12.8	20.6
12 7	2 1.57	−21 10.8	2.985	3.570	13.9	20.7

252709 2002 CV_{133} 11 1.0 235°.82 2°.8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 55.20	+22 8.6	1.567	2.399	16.6	20.6
10 8	2 49.39	+22 14.3	1.485	2.391	12.8	20.3
10 18	2 40.70	+22 3.6	1.424	2.382	8.5	20.0
10 28	2 30.02	+21 36.4	1.388	2.373	4.1	19.8
11 7	2 18.67	+20 55.4	1.378	2.363	3.6	19.7
11 17	2 8.10	+20 6.7	1.397	2.353	8.0	19.9
11 27	1 59.67	+19 18.2	1.441	2.342	12.5	20.2
12 7	1 54.21	+18 37.6	1.507	2.332	16.5	20.4

158807 2003 SE_{311} 11 1.0 90°.52 2°.5/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.42	+ 9 18.9	2.275	3.130	11.2	20.1
10 8	2 41.79	+ 8 22.0	2.210	3.135	8.2	19.9
10 18	2 35.58	+ 7 20.8	2.171	3.141	5.0	19.7
10 28	2 28.43	+ 6 19.8	2.159	3.146	2.6	19.5
11 7	2 21.10	+ 5 24.1	2.178	3.151	4.0	19.6
11 17	2 14.34	+ 4 38.1	2.225	3.157	7.1	19.9
11 27	2 8.85	+ 4 5.5	2.298	3.162	10.1	20.1
12 7	2 5.11	+ 3 47.8	2.395	3.167	12.7	20.3

275830 2001 RQ_{101} 11 1.0 11°.54 4°.1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.66	+21 56.5	1.172	2.028	19.5	19.9
10 8	2 48.05	+22 40.6	1.113	2.030	15.1	19.6
10 18	2 40.09	+23 7.5	1.072	2.033	10.2	19.3
10 28	2 29.85	+23 15.3	1.054	2.038	5.4	19.1
11 7	2 18.99	+23 5.7	1.060	2.043	4.8	19.1
11 17	2 9.27	+22 44.0	1.090	2.050	9.1	19.4
11 27	2 2.22	+22 18.9	1.143	2.057	13.9	19.7
12 7	1 58.68	+21 58.5	1.216	2.066	18.1	19.9

175426 2006 PC_{32} 11 1.0 12°.48 3°.6/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.55	+ 7 44.3	1.732	2.597	13.7	20.2
10 8	2 43.83	+ 6 47.6	1.668	2.598	10.1	19.9
10 18	2 37.01	+ 5 46.8	1.628	2.598	6.3	19.7
10 28	2 28.88	+ 4 47.8	1.614	2.599	3.6	19.6
11 7	2 20.47	+ 3 57.2	1.628	2.600	5.4	19.7
11 17	2 12.81	+ 3 20.3	1.669	2.601	9.1	19.9
11 27	2 6.81	+ 3 1.0	1.735	2.603	12.7	20.1
12 7	2 3.06	+ 3 0.4	1.822	2.604	15.8	20.3

53828 2000 ED_{155} 11 1.0 117°.20 3°.4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.50	+26 8.8	2.154	2.957	13.7	19.5
10 8	2 46.51	+26 10.8	2.085	2.970	10.7	19.3
10 18	2 38.53	+25 57.4	2.039	2.983	7.4	19.2
10 28	2 29.31	+25 28.6	2.020	2.996	4.3	19.0
11 7	2 19.86	+24 47.3	2.029	3.008	3.6	19.0
11 17	2 11.15	+23 57.8	2.068	3.020	6.1	19.2
11 27	2 4.07	+23 6.2	2.134	3.031	9.3	19.4
12 7	1 59.18	+22 18.4	2.225	3.043	12.1	19.6

511996 2015 KV_{129} 11 1.0 77°.35 4°.5/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.97	+ 2 34.8	1.579	2.435	15.3	21.1
10 8	2 50.73	+ 2 30.9	1.530	2.452	11.4	20.9
10 18	2 41.08	+ 2 30.7	1.504	2.469	7.4	20.7
10 28	2 30.04	+ 2 38.1	1.505	2.486	4.6	20.6
11 7	2 18.85	+ 2 56.4	1.534	2.503	6.0	20.7
11 17	2 8.76	+ 3 27.4	1.590	2.520	9.6	20.9
11 27	2 0.78	+ 4 11.3	1.672	2.537	13.2	21.2
12 7	1 55.48	+ 5 7.2	1.776	2.554	16.3	21.5

382537 2001 TF_{159} 11 1.0 39°.49 0°.6/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.97	+15 51.2	1.133	2.007	18.7	20.4
10 8	2 46.26	+15 15.5	1.093	2.027	13.8	20.2
10 18	2 38.64	+14 26.0	1.074	2.047	8.2	20.0
10 28	2 29.34	+13 28.4	1.077	2.069	2.3	19.7
11 7	2 19.93	+12 30.8	1.106	2.092	3.8	19.9
11 17	2 11.89	+11 41.5	1.159	2.115	9.3	20.3
11 27	2 6.36	+11 7.3	1.235	2.139	14.0	20.6
12 7	2 3.88	+10 51.4	1.331	2.163	17.9	20.9

354321 2002 VB_{144} 11 1.0 107°.18 2°.1/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.82	+ 8 56.8	2.001	2.850	12.8	20.5
10 8	2 46.64	+ 8 40.9	1.941	2.863	9.4	20.3
10 18	2 38.55	+ 8 22.0	1.906	2.876	5.7	20.1
10 28	2 29.31	+ 8 3.5	1.899	2.888	2.4	20.0
11 7	2 19.88	+ 7 48.8	1.921	2.900	3.8	20.1
11 17	2 11.21	+ 7 41.4	1.972	2.912	7.4	20.3
11 27	2 4.14	+ 7 43.8	2.050	2.923	10.8	20.6
12 7	1 59.20	+ 7 57.4	2.151	2.934	13.7	20.8

513915 2014 AY_{35} 11 1.0 341°.20 1°.9/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.54	+13 11.2	1.094	1.980	18.3	20.6
10 8	2 43.55	+12 35.7	1.027	1.968	13.6	20.3
10 18	2 37.43	+11 47.1	0.979	1.956	8.2	20.0
10 28	2 29.12	+10 51.4	0.954	1.946	2.7	19.6
11 7	2 20.12	+ 9 56.9	0.952	1.936	4.8	19.7
11 17	2 12.08	+ 9 12.9	0.973	1.929	10.7	20.0
11 27	2 6.46	+ 8 46.9	1.016	1.922	16.1	20.3
12 7	2 4.13	+ 8 42.9	1.077	1.917	20.6	20.6

395013 2009 BQ_{178} 11 1.0 181°.50 1°.2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 50.68	+19 39.7	1.994	2.827	13.5	21.7
10 8	2 45.31	+19 23.4	1.918	2.827	10.2	21.5
10 18	2 37.90	+18 54.8	1.865	2.827	6.4	21.3
10 28	2 29.17	+18 15.8	1.838	2.827	2.4	21.0
11 7	2 20.10	+17 30.0	1.841	2.827	2.5	21.1
11 17	2 11.70	+16 42.5	1.872	2.826	6.4	21.3
11 27	2 4.90	+15 59.1	1.931	2.826	10.2	21.5
12 7	2 0.30	+15 24.5	2.013	2.825	13.4	21.8

4588 Wislicenus 11 1.0 311°.62 5°.0/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.00	+28 56.7	2.000	2.799	14.7	16.6
10 8	2 45.88	+29 23.8	1.913	2.790	11.9	16.4
10 18	2 38.42	+29 34.0	1.848	2.782	8.8	16.2
10 28	2 29.36	+29 25.3	1.808	2.773	6.0	16.0
11 7	2 19.75	+28 58.8	1.794	2.765	5.1	15.9
11 17	2 10.75	+28 18.0	1.809	2.757	7.2	16.0
11 27	2 3.43	+27 29.4	1.850	2.750	10.3	16.2
12 7	1 58.54	+26 40.2	1.915	2.742	13.4	16.4

22151 Davebracy 11 1.0 55°.50 0°.6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.23	+17 47.9	1.947	2.789	13.4	19.2
10 8	2 44.19	+17 29.8	1.881	2.796	10.0	19.0
10 18	2 37.18	+17 1.0	1.838	2.804	6.1	18.7
10 28	2 28.95	+16 23.9	1.821	2.812	2.0	18.5
11 7	2 20.46	+15 42.5	1.833	2.820	2.4	18.5
11 17	2 12.69	+15 1.7	1.874	2.828	6.5	18.8
11 27	2 6.51	+14 26.6	1.941	2.836	10.2	19.1
12 7	2 2.48	+14 1.2	2.032	2.844	13.3	19.3

265255 2004 EN_{67} 11 1.0 182°.75 3°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.62	+23 8.0	1.695	2.519	15.8	21.1
10 8	2 48.67	+23 14.1	1.619	2.520	12.3	20.9
10 18	2 40.12	+23 4.0	1.565	2.520	8.2	20.7
10 28	2 29.85	+22 37.7	1.537	2.520	4.2	20.4
11 7	2 19.10	+21 58.1	1.536	2.519	3.6	20.4
11 17	2 9.18	+21 10.8	1.563	2.518	7.4	20.6
11 27	2 1.26	+20 23.0	1.617	2.517	11.5	20.9
12 7	1 56.09	+19 41.7	1.693	2.516	15.1	21.1

107309 2001 CU_{8} 11 1.0 347°.50 2°.0/31.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.01	+11 5.0	1.115	1.996	18.4	19.1
10 8	2 46.80	+10 55.0	1.052	1.990	13.7	18.8
10 18	2 39.35	+10 37.6	1.009	1.984	8.3	18.5
10 28	2 29.68	+10 17.2	0.988	1.979	2.8	18.1
11 7	2 19.35	+10 0.0	0.991	1.975	4.8	18.3
11 17	2 10.08	+ 9 51.8	1.018	1.972	10.5	18.6
11 27	2 3.34	+ 9 57.9	1.067	1.970	15.7	18.9
12 7	1 59.98	+10 20.6	1.135	1.969	20.2	19.2

511893 2015 HJ_{15} 11 1.0 197°.72 2°.3/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.45	+ 9 54.1	1.975	2.823	13.0	21.8
10 8	2 47.30	+ 9 19.1	1.899	2.820	9.6	21.6
10 18	2 39.08	+ 8 39.0	1.847	2.816	5.8	21.3
10 28	2 29.52	+ 7 57.6	1.823	2.812	2.5	21.1
11 7	2 19.61	+ 7 19.9	1.829	2.807	4.0	21.2
11 17	2 10.36	+ 6 50.4	1.863	2.801	7.9	21.4
11 27	2 2.71	+ 6 33.1	1.925	2.795	11.5	21.7
12 7	1 57.27	+ 6 30.0	2.009	2.787	14.7	21.9

72939 2002 BA_{24} 11 1.0 125°.89 2°.0/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.08	+21 17.3	2.185	2.998	13.2	19.3
10 8	2 49.02	+21 25.1	2.120	3.017	10.0	19.2
10 18	2 39.99	+21 21.2	2.080	3.035	6.5	19.0
10 28	2 29.76	+21 6.1	2.067	3.052	3.0	18.8
11 7	2 19.32	+20 42.2	2.084	3.068	2.7	18.8
11 17	2 9.65	+20 13.3	2.132	3.084	6.0	19.1
11 27	2 1.64	+19 44.3	2.208	3.099	9.3	19.3
12 7	1 55.84	+19 19.9	2.309	3.113	12.2	19.5

394263 2006 UA_{95} 11 1.0 44°.26 2°.1/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.53	+11 16.6	1.769	2.630	13.7	20.9
10 8	2 43.76	+10 30.0	1.707	2.635	10.0	20.7
10 18	2 36.95	+ 9 36.7	1.669	2.641	6.0	20.5
10 28	2 28.89	+ 8 41.6	1.658	2.647	2.4	20.3
11 7	2 20.59	+ 7 50.5	1.674	2.654	4.1	20.4
11 17	2 13.05	+ 7 9.0	1.718	2.660	8.0	20.7
11 27	2 7.16	+ 6 41.5	1.788	2.667	11.8	20.9
12 7	2 3.50	+ 6 30.1	1.879	2.674	14.9	21.1

170305 2003 SP_{26} 11 1.0 42°.59 2°.5/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.41	+11 39.5	1.230	2.104	17.5	19.4
10 8	2 46.22	+10 48.0	1.198	2.133	12.7	19.2
10 18	2 38.46	+ 9 49.1	1.187	2.162	7.5	19.0
10 28	2 29.30	+ 8 49.9	1.201	2.191	2.9	18.8
11 7	2 20.18	+ 7 58.1	1.240	2.221	4.8	19.0
11 17	2 12.38	+ 7 20.1	1.305	2.252	9.5	19.4
11 27	2 6.90	+ 7 0.3	1.393	2.283	13.7	19.7
12 7	2 4.22	+ 6 59.6	1.502	2.314	17.2	20.0

20059 1993 OY_{9} 11 1.0 335°.70 5°.0/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 49.42	+29 55.6	1.965	2.762	15.0	17.8
10 8	2 44.69	+30 7.9	1.882	2.757	12.1	17.6
10 18	2 37.69	+30 1.3	1.820	2.752	9.0	17.4
10 28	2 29.17	+29 34.5	1.783	2.748	6.1	17.2
11 7	2 20.19	+28 49.4	1.772	2.744	5.1	17.2
11 17	2 11.89	+27 50.5	1.789	2.740	7.1	17.3
11 27	2 5.29	+26 45.2	1.833	2.736	10.2	17.5
12 7	2 1.10	+25 41.1	1.901	2.733	13.3	17.7

21934 1999 VY_{71} 11 1.0 301°.06 7°.0/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.60	− 0 12.2	1.690	2.560	13.7	17.1
10 8	2 43.26	− 1 42.4	1.624	2.549	10.6	16.9
10 18	2 36.78	− 3 11.0	1.581	2.538	7.9	16.7
10 28	2 28.90	− 4 29.3	1.564	2.527	7.1	16.6
11 7	2 20.64	− 5 29.2	1.574	2.516	8.8	16.7
11 17	2 13.05	− 6 4.7	1.608	2.506	11.9	16.8
11 27	2 7.10	− 6 13.5	1.666	2.495	15.0	17.0
12 7	2 3.43	− 5 56.5	1.742	2.485	17.9	17.2

379567 2011 BC_{3} 11 1.0 299°.67 1°.1/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.47	+13 14.8	1.352	2.217	16.8	21.5
10 8	2 47.60	+13 0.2	1.275	2.204	12.6	21.2
10 18	2 39.76	+12 35.9	1.219	2.191	7.6	20.9
10 28	2 29.84	+12 5.3	1.187	2.178	2.3	20.5
11 7	2 19.20	+11 33.8	1.181	2.166	3.9	20.6
11 17	2 9.37	+11 7.7	1.200	2.153	9.4	20.9
11 27	2 1.73	+10 53.2	1.244	2.141	14.5	21.1
12 7	1 57.18	+10 54.2	1.308	2.129	18.7	21.4

481627 2007 UZ_{112} 11 1.0 341°.38 1°.6/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.89	+ 9 11.9	1.473	2.335	15.9	20.7
10 8	2 49.12	+ 9 38.4	1.400	2.327	11.8	20.5
10 18	2 40.56	+10 3.6	1.348	2.319	7.2	20.2
10 28	2 30.05	+10 29.2	1.322	2.312	2.4	19.9
11 7	2 18.91	+10 57.3	1.322	2.306	3.9	20.0
11 17	2 8.56	+11 29.9	1.350	2.301	8.8	20.3
11 27	2 0.30	+12 9.3	1.403	2.296	13.4	20.5
12 7	1 54.96	+12 56.9	1.477	2.292	17.3	20.8

316822 1999 WS_{15} 11 1.0 321°.21 0°.7/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.60	+13 41.6	2.029	2.878	12.6	20.9
10 8	2 43.75	+13 23.0	1.951	2.873	9.4	20.7
10 18	2 36.98	+12 57.2	1.898	2.867	5.6	20.4
10 28	2 28.95	+12 26.9	1.871	2.862	1.6	20.2
11 7	2 20.58	+11 56.0	1.873	2.858	2.8	20.2
11 17	2 12.78	+11 28.6	1.904	2.853	6.8	20.5
11 27	2 6.44	+11 9.1	1.961	2.848	10.5	20.7
12 7	2 2.16	+11 0.3	2.041	2.844	13.6	20.9

107468 2001 DX_{29} 11 1.0 281°.45 0°.2/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.21	+15 12.7	1.761	2.610	14.3	20.0
10 8	2 46.09	+14 58.3	1.674	2.595	10.7	19.8
10 18	2 38.60	+14 34.2	1.611	2.580	6.5	19.5
10 28	2 29.47	+14 2.8	1.573	2.565	1.9	19.2
11 7	2 19.77	+13 28.1	1.564	2.550	3.0	19.2
11 17	2 10.68	+12 55.3	1.582	2.534	7.6	19.5
11 27	2 3.29	+12 30.0	1.627	2.519	11.9	19.7
12 7	1 58.36	+12 16.2	1.694	2.504	15.6	19.9

116953 2004 GA_{78} 11 1.0 190°.08 5°.1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.13	+34 6.9	2.621	3.373	12.8	20.0
10 8	2 46.19	+34 11.3	2.530	3.372	10.6	19.8
10 18	2 38.38	+33 58.0	2.463	3.370	8.2	19.7
10 28	2 29.35	+33 25.9	2.421	3.368	6.0	19.5
11 7	2 20.00	+32 36.1	2.407	3.365	5.1	19.5
11 17	2 11.23	+31 32.4	2.423	3.362	6.2	19.5
11 27	2 3.90	+30 20.7	2.468	3.358	8.5	19.7
12 7	1 58.59	+29 7.5	2.538	3.353	10.9	19.8

352230 2007 TD_{73} 11 1.0 16°.64 0°.5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.28	+17 20.8	1.563	2.416	15.6	21.2
10 8	2 45.45	+17 7.4	1.497	2.418	11.7	21.0
10 18	2 38.17	+16 41.6	1.452	2.420	7.2	20.8
10 28	2 29.32	+16 6.1	1.433	2.423	2.3	20.5
11 7	2 20.07	+15 25.5	1.440	2.427	2.9	20.5
11 17	2 11.68	+14 45.8	1.475	2.430	7.7	20.8
11 27	2 5.24	+14 13.2	1.534	2.434	12.0	21.1
12 7	2 1.40	+13 52.4	1.616	2.439	15.7	21.3

96811 1999 RM_{157} 11 1.0 341°.94 2°.6/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.70	+10 28.2	1.263	2.143	16.7	18.4
10 8	2 44.08	+10 2.2	1.193	2.131	12.4	18.1
10 18	2 37.62	+ 9 28.8	1.144	2.120	7.5	17.8
10 28	2 29.21	+ 8 53.4	1.119	2.109	3.0	17.5
11 7	2 20.19	+ 8 22.5	1.118	2.100	5.0	17.6
11 17	2 12.02	+ 8 2.6	1.142	2.092	10.1	17.8
11 27	2 6.00	+ 7 58.9	1.188	2.086	15.0	18.1
12 7	2 2.95	+ 8 13.6	1.254	2.080	19.1	18.4

480105 2015 FJ_{43} 11 1.0 191°.18 2°.4/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.28	+11 36.8	1.721	2.577	14.2	21.2
10 8	2 45.93	+10 38.3	1.651	2.577	10.5	21.0
10 18	2 38.36	+ 9 31.4	1.604	2.576	6.3	20.8
10 28	2 29.36	+ 8 21.4	1.585	2.574	2.6	20.5
11 7	2 20.03	+ 7 15.3	1.594	2.572	4.4	20.7
11 17	2 11.48	+ 6 19.7	1.630	2.570	8.6	20.9
11 27	2 4.69	+ 5 40.0	1.693	2.568	12.6	21.1
12 7	2 0.30	+ 5 18.8	1.777	2.565	15.9	21.4

506504 2004 BT_{68} 11 1.0 253°.23 10°.7/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 1.04	+46 38.4	2.147	2.822	17.3	22.8
10 8	2 54.12	+47 21.7	2.036	2.798	15.6	22.6
10 18	2 43.86	+47 38.7	1.941	2.772	13.6	22.4
10 28	2 31.10	+47 22.4	1.868	2.745	11.8	22.3
11 7	2 17.33	+46 28.9	1.819	2.717	10.8	22.1
11 17	2 4.27	+45 0.0	1.795	2.688	11.1	22.1
11 27	1 53.55	+43 3.7	1.797	2.658	12.7	22.1
12 7	1 46.22	+40 52.5	1.823	2.627	15.0	22.2

446768 2015 PO_{37} 11 1.0 15°.29 4°.6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.57	+ 4 31.6	1.626	2.495	14.2	20.8
10 8	2 44.69	+ 3 45.5	1.567	2.497	10.6	20.6
10 18	2 37.61	+ 2 59.0	1.531	2.499	6.9	20.4
10 28	2 29.14	+ 2 18.4	1.520	2.501	4.7	20.3
11 7	2 20.39	+ 1 49.4	1.537	2.504	6.3	20.4
11 17	2 12.44	+ 1 36.7	1.579	2.507	9.8	20.6
11 27	2 6.27	+ 1 42.5	1.646	2.511	13.4	20.9
12 7	2 2.48	+ 2 6.7	1.734	2.515	16.5	21.1

378573 2008 DR_{53} 11 1.0 206°.87 1°.0/31.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.58	+14 46.2	1.721	2.570	14.5	21.8
10 8	2 46.99	+14 3.6	1.645	2.566	10.8	21.6
10 18	2 39.05	+13 10.0	1.592	2.562	6.5	21.3
10 28	2 29.59	+12 9.2	1.566	2.557	1.9	21.0
11 7	2 19.71	+11 7.4	1.568	2.552	3.4	21.1
11 17	2 10.59	+10 11.3	1.599	2.546	8.0	21.4
11 27	2 3.29	+ 9 26.9	1.655	2.540	12.2	21.7
12 7	1 58.48	+ 8 58.5	1.734	2.533	15.8	21.9

516786 2010 AO_{123} 11 1.0 39°.91 5°.1/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.61	+ 3 21.5	2.001	2.867	12.1	20.8
10 8	2 41.37	+ 1 48.9	1.947	2.874	9.0	20.6
10 18	2 35.43	+ 0 15.9	1.918	2.881	6.3	20.5
10 28	2 28.49	− 1 10.3	1.916	2.888	5.1	20.4
11 7	2 21.36	− 2 22.7	1.943	2.895	6.7	20.6
11 17	2 14.90	− 3 16.3	1.997	2.902	9.5	20.7
11 27	2 9.81	− 3 48.2	2.076	2.910	12.3	20.9
12 7	2 6.60	− 3 58.5	2.175	2.918	14.8	21.1

333002 2011 HW_{53} 11 1.0 19°.80 8°.1/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.98	− 4 23.8	1.300	2.165	17.3	20.0
10 8	2 50.56	− 4 35.6	1.249	2.169	13.6	19.7
10 18	2 41.28	− 4 35.0	1.219	2.174	10.0	19.6
10 28	2 30.22	− 4 15.3	1.213	2.179	8.1	19.5
11 7	2 18.88	− 3 32.7	1.232	2.185	9.4	19.6
11 17	2 8.71	− 2 27.0	1.276	2.192	12.7	19.8
11 27	2 0.95	− 1 1.0	1.343	2.200	16.4	20.0
12 7	1 56.26	+ 0 40.7	1.429	2.208	19.6	20.3

386936 2011 OC_{7} 11 1.0 173°.48 5°.0/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.91	+ 1 2.2	2.131	2.982	12.0	21.3
10 8	2 45.93	+ 0 10.1	2.068	2.986	9.1	21.2
10 18	2 38.16	− 0 39.9	2.030	2.988	6.4	21.0
10 28	2 29.29	− 1 22.3	2.020	2.990	5.0	20.9
11 7	2 20.19	− 1 52.3	2.039	2.991	6.3	21.0
11 17	2 11.75	− 2 6.4	2.086	2.992	9.1	21.2
11 27	2 4.77	− 2 2.9	2.158	2.992	11.9	21.4
12 7	1 59.76	− 1 42.3	2.253	2.992	14.4	21.6

63728 2001 QW_{237} 11 1.0 333°.32 1°.8/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.34	+13 8.1	1.209	2.089	17.4	19.0
10 8	2 43.98	+12 31.8	1.137	2.074	13.0	18.7
10 18	2 37.66	+11 43.1	1.085	2.060	7.8	18.4
10 28	2 29.26	+10 47.5	1.055	2.047	2.6	18.0
11 7	2 20.19	+ 9 52.8	1.051	2.035	4.6	18.2
11 17	2 11.96	+ 9 7.6	1.070	2.024	10.2	18.4
11 27	2 5.97	+ 8 39.2	1.112	2.014	15.4	18.7
12 7	2 3.10	+ 8 31.6	1.173	2.005	19.8	18.9

461250 2015 XP_{2} 11 1.0 70°.77 1°.9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.07	+23 15.0	2.144	2.966	13.1	20.6
10 8	2 43.26	+22 46.4	2.072	2.972	10.0	20.4
10 18	2 36.61	+22 3.3	2.023	2.979	6.5	20.2
10 28	2 28.85	+21 7.6	2.001	2.986	3.1	20.0
11 7	2 20.86	+20 3.3	2.008	2.993	2.5	20.0
11 17	2 13.54	+18 55.9	2.044	3.000	5.9	20.2
11 27	2 7.70	+17 51.8	2.108	3.007	9.3	20.4
12 7	2 3.86	+16 56.2	2.196	3.014	12.3	20.6

300482 2007 TB_{126} 11 1.0 13°.77 0°.3/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.01	+16 7.0	1.550	2.405	15.6	20.2
10 8	2 46.03	+16 2.9	1.484	2.406	11.6	20.0
10 18	2 38.56	+15 48.2	1.439	2.409	7.1	19.7
10 28	2 29.46	+15 25.2	1.420	2.411	2.2	19.4
11 7	2 19.96	+14 57.9	1.428	2.414	2.9	19.5
11 17	2 11.31	+14 31.7	1.463	2.418	7.8	19.8
11 27	2 4.63	+14 12.0	1.523	2.422	12.1	20.1
12 7	2 0.60	+14 3.0	1.604	2.427	15.8	20.3

4648 Tirion 11 1.0 330°.47 9°.1/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.98	+32 27.1	1.263	2.080	20.6	16.4
10 8	2 47.34	+33 32.3	1.182	2.063	17.4	16.1
10 18	2 40.08	+34 12.7	1.119	2.048	13.7	15.9
10 28	2 30.07	+34 21.6	1.076	2.033	10.4	15.7
11 7	2 18.92	+33 56.7	1.056	2.019	9.2	15.6
11 17	2 8.60	+33 2.0	1.059	2.006	11.1	15.6
11 27	2 0.97	+31 48.5	1.083	1.995	14.8	15.8
12 7	1 57.17	+30 29.9	1.128	1.985	18.7	16.0

308990 2006 UG_{17} 11 1.0 17°.99 0°.1/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.37	+16 42.0	1.716	2.569	14.4	20.6
10 8	2 43.83	+16 6.8	1.649	2.571	10.7	20.4
10 18	2 37.11	+15 19.7	1.604	2.573	6.5	20.2
10 28	2 29.02	+14 24.4	1.585	2.576	1.9	19.9
11 7	2 20.63	+13 26.4	1.593	2.579	2.9	20.0
11 17	2 13.00	+12 32.0	1.630	2.583	7.4	20.3
11 27	2 7.10	+11 47.3	1.692	2.587	11.4	20.5
12 7	2 3.53	+11 16.6	1.776	2.591	14.9	20.7

95962 Copito 11 1.0 278°.61 0°.7/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.86	+16 45.8	2.367	3.208	11.4	19.7
10 8	2 41.45	+15 32.5	2.287	3.204	8.4	19.5
10 18	2 35.47	+14 8.1	2.232	3.201	5.0	19.3
10 28	2 28.52	+12 36.7	2.206	3.198	1.4	19.0
11 7	2 21.36	+11 4.3	2.211	3.194	2.6	19.1
11 17	2 14.73	+ 9 37.0	2.246	3.191	6.2	19.4
11 27	2 9.34	+ 8 20.4	2.309	3.188	9.5	19.6
12 7	2 5.67	+ 7 18.7	2.397	3.184	12.3	19.7

226444 2003 SN_{65} 11 1.0 342°.09 3°.2/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 43.32	+11 33.6	1.676	2.548	13.7	19.1
10 8	2 40.16	+ 9 55.4	1.602	2.536	10.1	18.9
10 18	2 34.95	+ 8 5.7	1.551	2.525	6.1	18.6
10 28	2 28.41	+ 6 12.4	1.528	2.515	3.3	18.4
11 7	2 21.51	+ 4 24.9	1.532	2.506	5.4	18.6
11 17	2 15.27	+ 2 52.4	1.563	2.498	9.4	18.8
11 27	2 10.59	+ 1 41.6	1.619	2.490	13.3	19.0
12 7	2 8.10	+ 0 55.7	1.696	2.484	16.6	19.2

425881 2011 FT_{26} 11 1.0 12°.27 5°.0/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.72	− 0 6.1	2.250	3.108	11.2	20.5
10 8	2 42.06	− 0 53.1	2.190	3.110	8.6	20.4
10 18	2 35.83	− 1 37.0	2.154	3.111	6.1	20.2
10 28	2 28.63	− 2 12.7	2.146	3.113	5.0	20.1
11 7	2 21.23	− 2 36.0	2.166	3.115	6.3	20.2
11 17	2 14.39	− 2 43.9	2.213	3.117	8.7	20.4
11 27	2 8.82	− 2 35.1	2.285	3.120	11.3	20.6
12 7	2 4.99	− 2 10.0	2.379	3.123	13.6	20.7

137822 2000 AB_{13} 11 1.0 331°.04 0°.9/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.11	+13 42.8	1.128	2.008	18.3	19.2
10 8	2 45.59	+13 34.1	1.054	1.991	13.8	18.9
10 18	2 38.81	+13 14.2	1.000	1.975	8.4	18.6
10 28	2 29.66	+12 46.6	0.968	1.960	2.4	18.2
11 7	2 19.64	+12 17.2	0.960	1.946	4.2	18.2
11 17	2 10.49	+11 53.2	0.975	1.933	10.3	18.5
11 27	2 3.78	+11 41.7	1.013	1.922	15.8	18.8
12 7	2 0.50	+11 47.1	1.068	1.911	20.5	19.1

269430 2009 SB_{147} 11 1.1 308°.97 2°.5/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.24	+10 0.9	2.011	2.871	12.3	20.6
10 8	2 42.08	+ 9 9.2	1.926	2.854	9.1	20.4
10 18	2 36.04	+ 8 11.1	1.865	2.836	5.5	20.2
10 28	2 28.75	+ 7 11.2	1.831	2.819	2.6	19.9
11 7	2 21.04	+ 6 15.1	1.826	2.802	4.3	20.0
11 17	2 13.84	+ 5 28.4	1.848	2.786	7.9	20.2
11 27	2 8.01	+ 4 55.7	1.896	2.769	11.5	20.4
12 7	2 4.16	+ 4 39.5	1.967	2.753	14.7	20.6

178531 1999 TE_{292} 11 1.1 54°.76 0°.8/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.96	+13 14.8	1.201	2.068	18.3	20.1
10 8	2 49.95	+13 11.9	1.156	2.086	13.6	19.9
10 18	2 40.94	+12 59.8	1.132	2.104	8.1	19.7
10 28	2 30.15	+12 42.2	1.132	2.123	2.3	19.4
11 7	2 19.15	+12 23.9	1.157	2.142	3.8	19.5
11 17	2 9.51	+12 10.6	1.208	2.162	9.2	19.9
11 27	2 2.46	+12 7.4	1.282	2.181	13.9	20.2
12 7	1 58.61	+12 16.9	1.377	2.201	17.8	20.5

69325 1993 FP_{48} 11 1.1 120°.98 0°.2/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.37	+17 10.2	1.870	2.711	13.9	19.7
10 8	2 45.86	+16 44.8	1.803	2.719	10.3	19.5
10 18	2 38.26	+16 8.4	1.759	2.726	6.3	19.3
10 28	2 29.37	+15 23.8	1.742	2.733	1.9	19.0
11 7	2 20.20	+14 35.6	1.754	2.740	2.6	19.1
11 17	2 11.81	+13 49.2	1.794	2.747	6.9	19.4
11 27	2 5.11	+13 10.1	1.861	2.753	10.7	19.6
12 7	2 0.69	+12 42.4	1.952	2.759	14.0	19.9

519287 2011 BL_{167} 11 1.1 217°.31 3°.6/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.92	+25 44.2	1.628	2.449	16.5	21.5
10 8	2 47.58	+25 36.7	1.550	2.447	13.0	21.3
10 18	2 39.58	+25 9.1	1.493	2.444	8.9	21.0
10 28	2 29.80	+24 21.4	1.461	2.441	4.9	20.8
11 7	2 19.53	+23 17.3	1.456	2.438	4.0	20.7
11 17	2 10.12	+22 3.8	1.478	2.434	7.6	20.9
11 27	2 2.76	+20 50.1	1.526	2.431	11.7	21.2
12 7	1 58.21	+19 44.6	1.597	2.427	15.5	21.4

420443 2012 DZ_{37} 11 1.1 181°.67 1°.2/ 1.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.57	+18 26.2	1.864	2.691	14.5	22.1
10 8	2 50.61	+18 28.1	1.786	2.693	11.0	21.9
10 18	2 41.24	+18 18.9	1.732	2.694	6.9	21.7
10 28	2 30.27	+17 59.3	1.705	2.694	2.6	21.4
11 7	2 18.86	+17 32.2	1.707	2.693	2.7	21.4
11 17	2 8.21	+17 2.2	1.738	2.691	7.0	21.7
11 27	1 59.42	+16 34.9	1.798	2.688	11.1	21.9
12 7	1 53.19	+16 15.1	1.880	2.685	14.5	22.1

520352 2014 GM_{63} 11 1.1 267°.82 1°.5/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.22	+10 47.5	1.799	2.651	13.9	21.8
10 8	2 47.43	+10 42.4	1.721	2.644	10.3	21.6
10 18	2 39.35	+10 32.7	1.667	2.638	6.2	21.3
10 28	2 29.74	+10 21.0	1.640	2.631	2.1	21.0
11 7	2 19.65	+10 10.9	1.641	2.624	3.5	21.1
11 17	2 10.24	+10 6.2	1.671	2.617	7.8	21.4
11 27	2 2.54	+10 10.2	1.727	2.611	11.9	21.6
12 7	1 57.25	+10 25.3	1.805	2.604	15.3	21.8

96899 1999 TB_{59} 11 1.1 227°.15 1°.3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.11	+12 4.6	2.453	3.298	10.9	19.8
10 8	2 43.10	+11 33.4	2.372	3.292	8.0	19.6
10 18	2 36.49	+10 56.6	2.316	3.285	4.8	19.4
10 28	2 28.87	+10 17.1	2.288	3.279	1.6	19.2
11 7	2 20.96	+ 9 38.7	2.290	3.272	2.9	19.3
11 17	2 13.52	+ 9 5.2	2.322	3.265	6.2	19.5
11 27	2 7.28	+ 8 40.2	2.382	3.257	9.4	19.7
12 7	2 2.76	+ 8 26.0	2.465	3.250	12.1	19.8

157148 2004 PK_{11} 11 1.1 131°.17 2°.8/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.57	+ 7 50.1	2.220	3.073	11.5	20.4
10 8	2 43.46	+ 7 5.2	2.155	3.079	8.5	20.2
10 18	2 36.69	+ 6 17.5	2.116	3.084	5.2	20.0
10 28	2 28.92	+ 5 31.1	2.104	3.090	2.9	19.9
11 7	2 20.94	+ 4 50.6	2.122	3.095	4.2	20.0
11 17	2 13.57	+ 4 20.2	2.169	3.100	7.4	20.2
11 27	2 7.53	+ 4 2.7	2.242	3.104	10.4	20.4
12 7	2 3.32	+ 3 59.4	2.338	3.109	13.1	20.6

504165 2006 SW_{334} 11 1.1 282°.51 8°.3/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 8.68	+24 19.9	1.153	1.979	21.6	20.9
10 8	3 1.25	+26 36.1	1.075	1.970	17.6	20.7
10 18	2 49.04	+28 42.7	1.017	1.961	13.0	20.4
10 28	2 32.90	+30 28.1	0.982	1.951	9.1	20.1
11 7	2 14.82	+31 42.7	0.973	1.942	8.7	20.1
11 17	1 57.50	+32 23.9	0.990	1.933	12.3	20.2
11 27	1 43.55	+32 39.0	1.029	1.924	17.0	20.5
12 7	1 34.51	+32 40.9	1.088	1.915	21.4	20.7

329223 2012 DV_{83} 11 1.1 149°.21 1°.8/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.12	+11 46.9	1.758	2.607	14.3	21.4
10 8	2 48.67	+11 12.1	1.695	2.616	10.5	21.2
10 18	2 39.97	+10 30.3	1.655	2.625	6.3	21.0
10 28	2 29.90	+ 9 45.7	1.643	2.633	2.2	20.7
11 7	2 19.56	+ 9 3.5	1.660	2.641	3.8	20.9
11 17	2 10.10	+ 8 29.1	1.705	2.648	8.0	21.1
11 27	2 2.50	+ 8 6.9	1.776	2.654	11.9	21.4
12 7	1 57.35	+ 7 59.3	1.870	2.659	15.2	21.6

390627 2002 CD_{32} 11 1.1 321°.02 4°.8/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.76	+ 5 44.7	1.331	2.209	16.2	20.2
10 8	2 45.59	+ 5 6.3	1.255	2.191	12.2	19.9
10 18	2 38.59	+ 4 25.3	1.201	2.172	7.9	19.6
10 28	2 29.60	+ 3 48.3	1.170	2.154	4.8	19.4
11 7	2 19.91	+ 3 22.7	1.164	2.137	6.8	19.5
11 17	2 10.96	+ 3 14.6	1.183	2.121	11.3	19.7
11 27	2 4.08	+ 3 27.5	1.224	2.106	15.9	19.9
12 7	2 0.15	+ 4 2.0	1.284	2.091	19.9	20.1

137150 1999 CX_{155} 11 1.1 280°.35 7°.2/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 47.96	− 2 47.5	1.984	2.844	12.4	19.8
10 8	2 43.39	− 4 21.2	1.906	2.822	9.9	19.6
10 18	2 36.87	− 5 52.7	1.852	2.799	7.8	19.4
10 28	2 29.04	− 7 13.7	1.825	2.776	7.3	19.4
11 7	2 20.77	− 8 16.7	1.826	2.753	8.9	19.4
11 17	2 12.99	− 8 56.3	1.852	2.730	11.6	19.5
11 27	2 6.61	− 9 9.7	1.901	2.707	14.4	19.7
12 7	2 2.26	− 8 57.9	1.970	2.683	17.0	19.8

401343 2013 AK_{100} 11 1.1 184°.24 5°.4/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.66	+35 8.4	2.715	3.457	12.6	21.9
10 8	2 47.34	+35 22.8	2.625	3.457	10.5	21.8
10 18	2 39.13	+35 20.0	2.558	3.457	8.3	21.6
10 28	2 29.67	+34 58.3	2.516	3.456	6.3	21.5
11 7	2 19.87	+34 18.5	2.503	3.454	5.4	21.4
11 17	2 10.65	+33 23.7	2.519	3.452	6.4	21.5
11 27	2 2.85	+32 19.4	2.564	3.449	8.4	21.6
12 7	1 57.08	+31 12.1	2.635	3.446	10.7	21.8

407624 2011 CF_{49} 11 1.1 269°.44 3°.0/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.09	+24 7.0	2.338	3.146	12.5	20.6
10 8	2 45.57	+24 26.6	2.252	3.142	9.8	20.4
10 18	2 38.13	+24 34.2	2.190	3.137	6.8	20.2
10 28	2 29.40	+24 29.4	2.154	3.132	3.9	20.0
11 7	2 20.26	+24 13.5	2.148	3.128	3.3	20.0
11 17	2 11.62	+23 49.4	2.171	3.123	5.9	20.1
11 27	2 4.37	+23 21.9	2.221	3.118	9.0	20.3
12 7	1 59.14	+22 55.7	2.297	3.113	11.8	20.5

412828 2014 PU_{44} 11 1.1 9°.29 7°.5/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.33	− 2 35.5	1.685	2.555	13.7	20.0
10 8	2 42.23	− 3 51.8	1.634	2.557	10.8	19.8
10 18	2 36.12	− 5 2.2	1.607	2.560	8.3	19.6
10 28	2 28.79	− 5 58.6	1.606	2.563	7.5	19.6
11 7	2 21.23	− 6 34.4	1.629	2.567	9.0	19.7
11 17	2 14.42	− 6 45.9	1.678	2.572	11.7	19.9
11 27	2 9.24	− 6 32.3	1.749	2.577	14.5	20.1
12 7	2 6.23	− 5 55.8	1.839	2.583	17.0	20.3

285020 2011 DG_{4} 11 1.1 274°.49 8°.9/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.70	−12 27.9	2.400	3.238	11.3	20.1
10 8	2 41.38	−14 22.2	2.343	3.225	9.8	19.9
10 18	2 35.50	−16 6.8	2.312	3.213	9.0	19.9
10 28	2 28.61	−17 34.1	2.307	3.200	9.2	19.9
11 7	2 21.45	−18 38.1	2.328	3.187	10.4	19.9
11 17	2 14.75	−19 15.3	2.373	3.173	12.1	20.0
11 27	2 9.22	−19 25.2	2.439	3.160	13.9	20.1
12 7	2 5.37	−19 9.7	2.522	3.147	15.5	20.3

71511 2000 CF_{51} 11 1.1 167°.11 2°.9/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.94	+26 30.9	2.682	3.477	11.5	19.0
10 8	2 43.70	+26 27.1	2.599	3.479	9.0	18.8
10 18	2 36.86	+26 10.3	2.540	3.481	6.3	18.6
10 28	2 29.01	+25 40.7	2.509	3.483	3.8	18.5
11 7	2 20.90	+25 0.5	2.506	3.484	3.1	18.4
11 17	2 13.30	+24 13.2	2.534	3.486	5.2	18.6
11 27	2 6.93	+23 23.5	2.591	3.487	7.9	18.7
12 7	2 2.29	+22 36.2	2.673	3.488	10.4	18.9

514884 2008 LD_{7} 11 1.1 164°.91 3°.1/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.73	+ 5 42.7	2.633	3.483	10.1	22.5
10 8	2 42.62	+ 4 48.6	2.567	3.487	7.4	22.3
10 18	2 36.13	+ 3 53.1	2.526	3.491	4.8	22.1
10 28	2 28.78	+ 3 0.3	2.515	3.495	3.1	22.0
11 7	2 21.27	+ 2 14.4	2.534	3.498	4.4	22.1
11 17	2 14.25	+ 1 39.0	2.582	3.501	6.9	22.3
11 27	2 8.35	+ 1 16.6	2.657	3.503	9.5	22.5
12 7	2 4.00	+ 1 8.3	2.756	3.505	11.8	22.6

175353 2005 OH_{11} 11 1.1 164°.71 3°.9/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.41	+ 3 48.1	2.346	3.198	11.0	20.7
10 8	2 44.00	+ 2 57.8	2.282	3.202	8.2	20.5
10 18	2 37.01	+ 2 7.4	2.243	3.206	5.5	20.3
10 28	2 29.05	+ 1 21.7	2.233	3.209	3.9	20.2
11 7	2 20.90	+ 0 45.1	2.251	3.212	5.2	20.3
11 17	2 13.31	+ 0 21.1	2.299	3.215	7.9	20.5
11 27	2 7.00	+ 0 12.0	2.373	3.217	10.6	20.7
12 7	2 2.45	+ 0 18.1	2.470	3.218	13.0	20.9

198148 2004 TY_{52} 11 1.1 349°.17 0°.2/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.94	+16 24.8	1.290	2.158	17.3	19.5
10 8	2 45.03	+16 14.8	1.222	2.152	13.0	19.3
10 18	2 38.24	+15 51.6	1.174	2.146	8.0	19.0
10 28	2 29.51	+15 18.0	1.150	2.141	2.4	18.6
11 7	2 20.20	+14 39.5	1.150	2.137	3.3	18.7
11 17	2 11.78	+14 2.8	1.176	2.134	8.8	19.0
11 27	2 5.59	+13 35.2	1.225	2.132	13.8	19.3
12 7	2 2.41	+13 21.7	1.294	2.131	18.0	19.5

511395 2014 GG_{56} 11 1.1 191°.88 5°.8/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 50.05	− 0 46.3	2.135	2.989	11.9	21.6
10 8	2 44.64	− 1 54.0	2.072	2.988	9.2	21.5
10 18	2 37.47	− 2 58.6	2.033	2.986	6.7	21.3
10 28	2 29.21	− 3 54.1	2.022	2.984	5.8	21.3
11 7	2 20.70	− 4 34.9	2.040	2.982	7.2	21.3
11 17	2 12.80	− 4 57.3	2.084	2.979	9.7	21.5
11 27	2 6.30	− 4 59.5	2.154	2.975	12.4	21.7
12 7	2 1.71	− 4 42.3	2.245	2.971	14.8	21.8

101168 1998 SX_{2} 11 1.1 87°.40 1°.7/30.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.06	+14 37.2	1.556	2.408	15.6	19.8
10 8	2 47.84	+13 22.2	1.513	2.436	11.4	19.6
10 18	2 39.39	+11 56.7	1.493	2.464	6.7	19.4
10 28	2 29.72	+10 27.3	1.500	2.491	2.2	19.2
11 7	2 20.07	+ 9 2.4	1.536	2.518	4.0	19.4
11 17	2 11.57	+ 7 49.6	1.600	2.544	8.4	19.7
11 27	2 5.13	+ 6 54.6	1.690	2.569	12.3	20.0
12 7	2 1.22	+ 6 19.8	1.801	2.594	15.5	20.3

260560 2005 EY_{211} 11 1.1 128°.28 3°.6/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.40	+ 7 59.6	1.622	2.480	14.8	20.8
10 8	2 48.21	+ 7 6.2	1.567	2.493	10.9	20.6
10 18	2 39.72	+ 6 8.9	1.536	2.505	6.7	20.4
10 28	2 29.86	+ 5 13.6	1.531	2.517	3.7	20.3
11 7	2 19.81	+ 4 27.1	1.554	2.528	5.4	20.4
11 17	2 10.72	+ 3 54.5	1.605	2.538	9.3	20.7
11 27	2 3.57	+ 3 39.6	1.681	2.548	13.1	20.9
12 7	1 58.95	+ 3 42.9	1.778	2.557	16.3	21.2

48819 1997 WB_{16} 11 1.1 315°.31 1°.3/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.79	+22 18.0	2.104	2.934	13.0	18.5
10 8	2 41.78	+21 29.7	2.013	2.920	9.9	18.3
10 18	2 35.89	+20 25.4	1.945	2.906	6.4	18.0
10 28	2 28.77	+19 7.4	1.904	2.892	2.6	17.8
11 7	2 21.30	+17 40.8	1.892	2.879	2.3	17.7
11 17	2 14.37	+16 12.2	1.910	2.866	6.2	18.0
11 27	2 8.84	+14 48.9	1.955	2.853	9.9	18.2
12 7	2 5.30	+13 37.1	2.024	2.840	13.2	18.4

90641 4570 $T\text{-}_{2}$ 11 1.1 325°.11 0°.6/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.56	+16 56.3	2.125	2.965	12.5	19.7
10 8	2 43.77	+16 52.5	2.042	2.957	9.4	19.5
10 18	2 37.08	+16 39.9	1.983	2.949	5.8	19.3
10 28	2 29.13	+16 20.1	1.951	2.941	1.9	19.0
11 7	2 20.79	+15 56.0	1.948	2.934	2.3	19.0
11 17	2 12.97	+15 31.3	1.973	2.927	6.2	19.3
11 27	2 6.55	+15 10.5	2.026	2.920	9.8	19.5
12 7	2 2.14	+14 57.1	2.102	2.914	12.9	19.7

315896 2008 LZ_{9} 11 1.1 167°.08 5°.4/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.47	− 1 15.3	2.210	3.063	11.6	20.6
10 8	2 44.15	− 2 0.3	2.148	3.064	8.9	20.4
10 18	2 37.15	− 2 41.2	2.111	3.065	6.5	20.2
10 28	2 29.11	− 3 12.8	2.102	3.065	5.4	20.2
11 7	2 20.86	− 3 30.9	2.120	3.066	6.6	20.3
11 17	2 13.21	− 3 32.7	2.166	3.067	9.1	20.4
11 27	2 6.89	− 3 17.1	2.238	3.067	11.7	20.6
12 7	2 2.43	− 2 45.1	2.331	3.067	14.1	20.8

429985 2013 PS_{7} 11 1.1 187°.76 3°.6/ 3.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.69	+24 54.2	1.580	2.402	16.9	22.2
10 8	2 49.74	+24 57.6	1.505	2.402	13.3	22.0
10 18	2 40.97	+24 41.9	1.450	2.402	9.1	21.7
10 28	2 30.31	+24 6.6	1.420	2.401	4.9	21.5
11 7	2 19.11	+23 14.9	1.417	2.399	4.1	21.4
11 17	2 8.82	+22 13.3	1.442	2.397	7.8	21.6
11 27	2 0.72	+21 10.6	1.492	2.395	12.1	21.9
12 7	1 55.59	+20 15.3	1.565	2.392	15.9	22.1

113832 2002 TP_{227} 11 1.1 19°.95 2°.3/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.21	+11 32.7	1.627	2.491	14.4	19.2
10 8	2 43.77	+10 40.1	1.564	2.494	10.6	18.9
10 18	2 37.14	+ 9 39.5	1.525	2.498	6.3	18.7
10 28	2 29.14	+ 8 36.6	1.511	2.501	2.6	18.5
11 7	2 20.84	+ 7 38.2	1.525	2.505	4.3	18.6
11 17	2 13.35	+ 6 50.5	1.566	2.510	8.6	18.9
11 27	2 7.61	+ 6 18.5	1.632	2.514	12.5	19.1
12 7	2 4.23	+ 6 4.7	1.719	2.519	15.9	19.3

229584 2006 BR_{114} 11 1.1 283°.26 0°.8/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.38	+18 36.2	2.227	3.061	12.2	20.9
10 8	2 43.53	+18 18.9	2.146	3.057	9.2	20.7
10 18	2 36.88	+17 51.3	2.089	3.053	5.7	20.5
10 28	2 29.06	+17 15.1	2.059	3.049	2.0	20.2
11 7	2 20.92	+16 33.8	2.058	3.045	2.2	20.2
11 17	2 13.33	+15 51.8	2.087	3.041	5.9	20.5
11 27	2 7.09	+15 13.9	2.143	3.037	9.4	20.7
12 7	2 2.78	+14 44.0	2.223	3.033	12.4	20.9

145006 2005 EH_{214} 11 1.1 117°.72 3°.9/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 56.67	+25 15.3	1.577	2.396	17.1	20.0
10 8	2 50.33	+25 27.7	1.512	2.407	13.4	19.8
10 18	2 41.23	+25 21.2	1.469	2.418	9.2	19.6
10 28	2 30.36	+24 55.3	1.450	2.429	5.2	19.4
11 7	2 19.11	+24 12.9	1.458	2.439	4.3	19.3
11 17	2 8.90	+23 20.1	1.494	2.449	7.7	19.6
11 27	2 0.93	+22 25.5	1.556	2.458	11.7	19.8
12 7	1 55.92	+21 36.9	1.640	2.467	15.3	20.1

397970 2009 AV_{11} 11 1.1 232°.79 4°.7/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.51	+29 26.8	2.033	2.825	14.7	21.1
10 8	2 47.00	+29 34.7	1.944	2.818	11.9	20.9
10 18	2 39.17	+29 24.1	1.877	2.811	8.7	20.7
10 28	2 29.78	+28 53.8	1.836	2.803	5.8	20.5
11 7	2 19.88	+28 5.4	1.822	2.795	4.8	20.4
11 17	2 10.64	+27 3.7	1.836	2.786	6.9	20.6
11 27	2 3.11	+25 55.9	1.878	2.778	10.2	20.7
12 7	1 58.00	+24 49.8	1.944	2.769	13.3	20.9

355335 2007 TJ_{71} 11 1.1 345°.16 11°.3/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.23	+37 2.8	1.399	2.183	20.6	20.4
10 8	2 49.02	+38 38.5	1.323	2.173	17.8	20.2
10 18	2 41.16	+39 49.3	1.264	2.163	14.9	20.0
10 28	2 30.52	+40 27.0	1.225	2.155	12.4	19.8
11 7	2 18.71	+40 27.4	1.209	2.148	11.3	19.8
11 17	2 7.74	+39 52.4	1.215	2.142	12.3	19.8
11 27	1 59.46	+38 51.4	1.243	2.137	14.7	19.9
12 7	1 55.04	+37 37.6	1.291	2.133	17.7	20.1

472526 2015 CL_{51} 11 1.1 277°.21 3°.3/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.30	+23 38.2	1.443	2.279	17.5	21.5
10 8	2 48.38	+23 39.7	1.357	2.264	13.8	21.2
10 18	2 40.40	+23 21.6	1.291	2.248	9.3	20.9
10 28	2 30.22	+22 43.3	1.249	2.232	4.8	20.6
11 7	2 19.22	+21 48.1	1.232	2.217	4.0	20.5
11 17	2 8.98	+20 42.9	1.243	2.201	8.4	20.8
11 27	2 0.96	+19 37.5	1.277	2.185	13.3	21.0
12 7	1 56.10	+18 41.2	1.334	2.169	17.7	21.2

369378 2009 UM_{140} 11 1.1 176°.64 0°.0/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.89	+17 9.7	2.772	3.603	10.2	21.8
10 8	2 42.04	+16 29.9	2.693	3.604	7.6	21.6
10 18	2 35.81	+15 41.7	2.639	3.605	4.6	21.4
10 28	2 28.73	+14 47.6	2.615	3.606	1.3	21.2
11 7	2 21.46	+13 51.2	2.621	3.606	1.9	21.2
11 17	2 14.65	+12 56.6	2.657	3.606	5.1	21.4
11 27	2 8.92	+12 7.8	2.723	3.606	8.0	21.6
12 7	2 4.72	+11 28.1	2.813	3.606	10.5	21.8

452465 2003 VX_{8} 11 1.1 300°.58 0°.2/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.56	+19 39.2	2.197	3.031	12.3	20.9
10 8	2 42.36	+18 36.0	2.090	3.002	9.3	20.6
10 18	2 36.29	+17 17.3	2.008	2.973	5.8	20.3
10 28	2 28.94	+15 46.0	1.954	2.944	1.8	20.0
11 7	2 21.13	+14 7.8	1.929	2.915	2.4	20.0
11 17	2 13.76	+12 29.6	1.935	2.886	6.5	20.2
11 27	2 7.69	+10 59.0	1.968	2.857	10.4	20.4
12 7	2 3.55	+ 9 42.2	2.026	2.828	13.7	20.6

352322 2007 UQ_{113} 11 1.1 293°.02 0°.9/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.65	+13 42.2	1.792	2.644	13.9	21.4
10 8	2 45.55	+13 20.5	1.717	2.640	10.3	21.1
10 18	2 38.25	+12 50.4	1.665	2.636	6.2	20.9
10 28	2 29.51	+12 15.2	1.640	2.631	1.8	20.6
11 7	2 20.36	+11 39.3	1.643	2.627	3.1	20.7
11 17	2 11.90	+11 7.9	1.673	2.623	7.5	21.0
11 27	2 5.11	+10 45.8	1.730	2.619	11.5	21.2
12 7	2 0.66	+10 36.2	1.809	2.615	15.0	21.4

11687 1998 FM_{40} 11 1.1 83°.26 0°.4/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.83	+17 53.4	1.732	2.572	14.9	18.6
10 8	2 47.65	+17 26.3	1.683	2.597	11.1	18.4
10 18	2 39.32	+16 47.3	1.656	2.622	6.7	18.2
10 28	2 29.76	+15 59.7	1.656	2.647	2.1	18.0
11 7	2 20.12	+15 8.5	1.685	2.671	2.6	18.0
11 17	2 11.48	+14 19.7	1.742	2.695	7.0	18.4
11 27	2 4.75	+13 38.8	1.826	2.719	10.8	18.7
12 7	2 0.44	+13 10.0	1.934	2.742	14.0	18.9

76254 2000 ET_{93} 11 1.1 232°.69 4°.9/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.36	+32 52.0	2.670	3.431	12.4	18.9
10 8	2 44.98	+33 6.7	2.576	3.424	10.2	18.8
10 18	2 37.78	+33 5.5	2.505	3.417	7.9	18.6
10 28	2 29.36	+32 47.1	2.460	3.410	5.8	18.5
11 7	2 20.56	+32 12.3	2.443	3.402	4.9	18.4
11 17	2 12.25	+31 24.0	2.455	3.394	6.1	18.5
11 27	2 5.25	+30 27.5	2.495	3.386	8.3	18.6
12 7	2 0.16	+29 28.7	2.561	3.378	10.7	18.8

396499 2014 FF_{53} 11 1.1 141°.71 1°.1/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.00	+13 21.9	2.150	2.993	12.3	22.1
10 8	2 45.34	+12 44.8	2.084	3.003	9.0	21.9
10 18	2 37.89	+12 0.5	2.042	3.011	5.4	21.7
10 28	2 29.36	+11 12.5	2.029	3.020	1.7	21.4
11 7	2 20.63	+10 25.4	2.045	3.028	3.0	21.6
11 17	2 12.57	+ 9 43.6	2.091	3.035	6.7	21.8
11 27	2 5.96	+ 9 11.5	2.164	3.042	10.0	22.0
12 7	2 1.33	+ 8 51.7	2.261	3.049	12.9	22.3

521527 2015 OE_{99} 11 1.1 13°.34 0°.3/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.37	+13 5.8	1.787	2.638	14.0	20.5
10 8	2 46.80	+13 21.1	1.719	2.640	10.4	20.2
10 18	2 38.99	+13 30.7	1.674	2.643	6.3	20.0
10 28	2 29.72	+13 36.3	1.655	2.646	1.8	19.7
11 7	2 20.08	+13 40.1	1.665	2.650	2.8	19.8
11 17	2 11.16	+13 45.1	1.702	2.655	7.2	20.1
11 27	2 3.97	+13 54.8	1.766	2.659	11.1	20.3
12 7	1 59.18	+14 11.6	1.853	2.665	14.4	20.6

395795 2012 WZ_{19} 11 1.1 195°.45 7°.6/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 59.69	−10 28.1	2.298	3.116	12.4	21.4
10 8	2 51.60	−10 48.4	2.231	3.113	10.2	21.3
10 18	2 41.62	−10 56.9	2.189	3.110	8.3	21.1
10 28	2 30.46	−10 48.6	2.175	3.107	7.6	21.1
11 7	2 19.07	−10 20.4	2.190	3.102	8.5	21.1
11 17	2 8.40	− 9 31.7	2.234	3.098	10.5	21.3
11 27	1 59.30	− 8 23.9	2.305	3.093	12.8	21.4
12 7	1 52.31	− 7 0.5	2.399	3.087	14.9	21.6

180869 2005 JZ_{42} 11 1.1 229°.76 1°.6/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.73	+13 34.9	1.678	2.531	14.7	21.3
10 8	2 47.27	+12 47.2	1.598	2.522	10.9	21.0
10 18	2 39.38	+11 48.7	1.541	2.512	6.6	20.7
10 28	2 29.87	+10 43.8	1.511	2.502	2.2	20.4
11 7	2 19.86	+ 9 39.2	1.509	2.491	3.9	20.5
11 17	2 10.58	+ 8 41.8	1.535	2.480	8.5	20.8
11 27	2 3.12	+ 7 58.1	1.586	2.468	12.8	21.0
12 7	1 58.21	+ 7 31.8	1.659	2.456	16.5	21.2

300353 2007 RG_{57} 11 1.1 56°.12 4°.8/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.78	+27 5.9	1.666	2.479	16.6	20.5
10 8	2 48.18	+27 31.8	1.599	2.488	13.2	20.3
10 18	2 39.96	+27 39.0	1.554	2.496	9.4	20.1
10 28	2 30.03	+27 26.1	1.532	2.505	5.9	19.9
11 7	2 19.67	+26 54.9	1.538	2.514	5.0	19.9
11 17	2 10.23	+26 10.7	1.570	2.523	7.6	20.0
11 27	2 2.87	+25 21.1	1.629	2.533	11.2	20.3
12 7	1 58.30	+24 34.1	1.710	2.542	14.5	20.5

421557 2014 OA_{189} 11 1.1 37°.42 3°.3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.16	+ 7 28.1	2.101	2.962	11.8	20.7
10 8	2 41.80	+ 6 22.5	2.040	2.967	8.7	20.5
10 18	2 35.78	+ 5 13.5	2.003	2.972	5.4	20.3
10 28	2 28.75	+ 4 6.7	1.994	2.978	3.4	20.2
11 7	2 21.52	+ 3 7.7	2.014	2.983	4.9	20.3
11 17	2 14.90	+ 2 21.5	2.062	2.989	8.0	20.5
11 27	2 9.62	+ 1 51.3	2.136	2.995	11.0	20.7
12 7	2 6.18	+ 1 38.4	2.232	3.001	13.7	20.9

458658 2011 GF_{73} 11 1.1 339°.69 3°.6/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 0.68	+17 15.4	1.561	2.396	16.5	19.2
10 8	2 54.04	+19 2.1	1.465	2.373	12.8	19.0
10 18	2 44.06	+20 47.6	1.393	2.352	8.6	18.7
10 28	2 31.42	+22 26.9	1.348	2.332	4.5	18.4
11 7	2 17.43	+23 55.2	1.332	2.313	4.6	18.3
11 17	2 3.78	+25 9.9	1.345	2.296	8.8	18.5
11 27	1 52.18	+26 12.3	1.384	2.280	13.4	18.8
12 7	1 43.87	+27 7.0	1.446	2.265	17.4	19.0

8126 Chanwainam 11 1.1 282°.30 3°.8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.73	+26 38.4	1.998	2.807	14.4	17.7
10 8	2 45.76	+26 42.9	1.903	2.790	11.4	17.4
10 18	2 38.49	+26 30.6	1.829	2.773	8.1	17.2
10 28	2 29.63	+26 0.8	1.781	2.756	4.9	17.0
11 7	2 20.19	+25 15.3	1.760	2.739	4.0	16.9
11 17	2 11.29	+24 18.8	1.768	2.722	6.8	17.0
11 27	2 4.00	+23 18.2	1.803	2.705	10.4	17.2
12 7	1 59.08	+22 20.7	1.862	2.688	13.8	17.4

439837 1997 EU_9 11 1.1 176°.64 3°.4/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.93	+27 6.3	2.337	3.130	13.0	22.0
10 8	2 46.89	+27 2.7	2.254	3.132	10.3	21.8
10 18	2 38.92	+26 43.7	2.194	3.134	7.2	21.6
10 28	2 29.70	+26 9.2	2.162	3.135	4.4	21.4
11 7	2 20.16	+25 21.6	2.158	3.136	3.6	21.4
11 17	2 11.25	+24 25.2	2.184	3.136	5.9	21.5
11 27	2 3.83	+23 26.0	2.239	3.135	9.0	21.7
12 7	1 58.51	+22 30.1	2.320	3.134	11.8	21.9

54803 2001 MK_{19} 11 1.1 212°.29 3°.1/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 54.94	+24 35.7	1.963	2.773	14.5	19.8
10 8	2 48.80	+24 35.1	1.875	2.766	11.4	19.6
10 18	2 40.28	+24 18.5	1.809	2.759	7.8	19.3
10 28	2 30.14	+23 45.6	1.770	2.751	4.2	19.1
11 7	2 19.50	+22 59.1	1.760	2.742	3.5	19.1
11 17	2 9.51	+22 4.0	1.778	2.732	6.8	19.2
11 27	2 1.27	+21 7.1	1.825	2.722	10.6	19.4
12 7	1 55.51	+20 15.6	1.895	2.711	14.0	19.7

383607 2007 JC_{10} 11 1.1 241°.52 0°.6/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.44	+13 43.2	1.851	2.695	13.9	21.8
10 8	2 48.44	+13 34.2	1.765	2.683	10.4	21.5
10 18	2 40.09	+13 17.6	1.702	2.670	6.3	21.3
10 28	2 30.11	+12 55.5	1.666	2.657	1.8	21.0
11 7	2 19.56	+12 31.6	1.658	2.643	3.0	21.0
11 17	2 9.62	+12 10.3	1.680	2.629	7.6	21.3
11 27	2 1.36	+11 56.2	1.728	2.614	11.7	21.5
12 7	1 55.54	+11 52.9	1.799	2.599	15.3	21.7

174624 2003 SY_{74} 11 1.1 1°.50 3°.3/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.41	+21 56.9	1.167	2.023	19.5	19.8
10 8	2 48.00	+22 14.0	1.103	2.022	15.1	19.6
10 18	2 40.24	+22 11.8	1.058	2.021	10.0	19.3
10 28	2 30.19	+21 50.0	1.035	2.021	4.9	19.0
11 7	2 19.49	+21 12.3	1.037	2.022	4.2	19.0
11 17	2 9.88	+20 26.1	1.062	2.023	9.1	19.3
11 27	2 2.92	+19 41.1	1.111	2.026	14.2	19.6
12 7	1 59.44	+19 5.8	1.179	2.028	18.6	19.8

188408 2004 EL_{71} 11 1.1 130°.52 1°.7/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.82	+12 49.0	1.700	2.553	14.5	20.9
10 8	2 47.06	+12 0.1	1.639	2.563	10.7	20.7
10 18	2 39.09	+11 2.6	1.602	2.572	6.4	20.5
10 28	2 29.75	+10 1.4	1.591	2.582	2.2	20.2
11 7	2 20.19	+ 9 2.8	1.609	2.590	3.8	20.4
11 17	2 11.50	+ 8 13.0	1.655	2.599	8.1	20.6
11 27	2 4.66	+ 7 37.2	1.726	2.606	12.1	20.9
12 7	2 0.24	+ 7 18.0	1.820	2.614	15.4	21.1

436145 2009 UV_{100} 11 1.1 257°.24 2°.2/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.72	+10 2.3	1.598	2.456	15.0	21.1
10 8	2 48.08	+ 9 43.0	1.524	2.450	11.2	20.9
10 18	2 39.92	+ 9 18.4	1.472	2.443	6.8	20.6
10 28	2 30.06	+ 8 52.4	1.446	2.436	2.7	20.3
11 7	2 19.69	+ 8 29.9	1.448	2.429	4.3	20.4
11 17	2 10.07	+ 8 15.8	1.477	2.422	8.8	20.7
11 27	2 2.37	+ 8 14.0	1.531	2.415	13.1	20.9
12 7	1 57.32	+ 8 26.8	1.607	2.407	16.8	21.1

193480 2000 XL_{41} 11 1.1 18°.23 4°.5/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.96	+20 0.6	1.223	2.071	19.3	18.4
10 8	2 52.82	+21 31.0	1.164	2.077	15.0	18.2
10 18	2 43.16	+22 49.8	1.126	2.085	10.1	17.9
10 28	2 31.07	+23 52.2	1.111	2.094	5.6	17.7
11 7	2 18.25	+24 36.0	1.122	2.104	5.2	17.7
11 17	2 6.57	+25 3.0	1.159	2.115	9.3	18.0
11 27	1 57.68	+25 19.2	1.219	2.127	13.8	18.3
12 7	1 52.47	+25 31.9	1.300	2.140	17.8	18.6

267935 2004 EF_4 11 1.1 304°.58 9°.5/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 5.61	+28 41.6	1.394	2.195	19.8	19.9
10 8	2 58.72	+30 58.5	1.302	2.176	16.6	19.6
10 18	2 47.51	+33 4.7	1.232	2.157	13.0	19.4
10 28	2 32.61	+34 49.2	1.185	2.137	10.2	19.2
11 7	2 15.66	+36 2.7	1.164	2.119	9.7	19.1
11 17	1 58.98	+36 41.8	1.169	2.100	12.2	19.2
11 27	1 44.98	+36 52.3	1.198	2.082	16.0	19.4
12 7	1 35.33	+36 45.8	1.248	2.065	19.7	19.5

244017 2001 SX_{121} 11 1.1 70°.30 1°.4/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.18	+20 53.9	1.839	2.673	14.4	20.2
10 8	2 45.06	+20 26.7	1.776	2.686	10.9	20.0
10 18	2 37.86	+19 45.3	1.737	2.699	6.9	19.8
10 28	2 29.40	+18 52.1	1.724	2.712	2.7	19.5
11 7	2 20.73	+17 51.9	1.739	2.725	2.5	19.6
11 17	2 12.88	+16 51.0	1.782	2.738	6.5	19.8
11 27	2 6.76	+15 55.8	1.853	2.752	10.3	20.1
12 7	2 2.90	+15 11.4	1.947	2.765	13.6	20.3

471 Papagena 11 1.1 355°.86 9°.1/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.81	− 6 21.1	1.377	2.247	16.3	9.8
10 8	2 46.06	− 6 51.8	1.321	2.240	13.1	9.7
10 18	2 38.71	− 7 9.5	1.287	2.236	10.3	9.5
10 28	2 29.70	− 7 6.6	1.275	2.232	9.1	9.5
11 7	2 20.31	− 6 37.8	1.288	2.230	10.4	9.5
11 17	2 11.85	− 5 42.0	1.324	2.229	13.3	9.7
11 27	2 5.46	− 4 21.4	1.383	2.230	16.6	9.8
12 7	2 1.81	− 2 40.8	1.460	2.232	19.5	10.0

455719 2005 GV_{62} 11 1.1 292°.10 5°.5/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 52.16	+31 34.9	2.369	3.142	13.4	21.6
10 8	2 46.64	+32 14.4	2.275	3.130	11.1	21.5
10 18	2 38.97	+32 38.4	2.203	3.119	8.6	21.3
10 28	2 29.81	+32 44.6	2.156	3.108	6.3	21.1
11 7	2 20.07	+32 32.8	2.137	3.097	5.5	21.1
11 17	2 10.80	+32 5.4	2.147	3.086	6.9	21.1
11 27	2 2.98	+31 27.4	2.184	3.075	9.4	21.3
12 7	1 57.35	+30 45.0	2.245	3.064	12.0	21.4

452923 2006 VU_{148} 11 1.1 316°.59 6°.1/27.9 18

9 28	2 49.59	− 0 0.7	1.740	2.605	13.6	20.3
10 8	2 44.80	− 0 49.0	1.670	2.593	10.5	20.0
10 18	2 37.84	− 1 34.1	1.622	2.582	7.5	19.9
10 28	2 29.45	− 2 9.4	1.601	2.571	6.1	19.7
11 7	2 20.65	− 2 28.9	1.606	2.560	7.6	19.8
11 17	2 12.51	− 2 28.9	1.638	2.550	10.7	20.0
11 27	2 5.99	− 2 7.6	1.693	2.540	14.0	20.2
12 7	2 1.77	− 1 26.2	1.768	2.530	17.0	20.4

405414 2004 RL_{145} 11 1.1 82°.52 15°.6/18.8 17

9 28	2 50.31	− 8 58.6	1.016	1.900	19.5	20.8
10 8	2 46.25	−12 53.6	0.986	1.902	16.8	20.7
10 18	2 39.01	−16 31.1	0.978	1.903	15.6	20.6
10 28	2 29.80	−19 28.1	0.992	1.904	16.5	20.7
11 7	2 20.26	−21 28.8	1.027	1.906	18.8	20.8
11 17	2 12.00	−22 28.0	1.080	1.907	21.7	21.0
11 27	2 6.35	−22 29.9	1.147	1.909	24.5	21.2
12 7	2 3.95	−21 44.5	1.225	1.910	26.8	21.5

451286 2010 RL_{175} 11 1.1 118°.32 1°.7/ 2.4 18

9 28	2 53.88	+19 43.2	2.254	3.073	12.6	21.1
10 8	2 47.53	+19 57.3	2.184	3.085	9.5	21.0
10 18	2 39.28	+20 1.7	2.139	3.096	6.1	20.8
10 28	2 29.85	+19 56.8	2.121	3.107	2.7	20.6
11 7	2 20.13	+19 44.5	2.133	3.118	2.4	20.6
11 17	2 11.08	+19 28.0	2.176	3.129	5.8	20.8
11 27	2 3.52	+19 11.4	2.246	3.139	9.1	21.1
12 7	1 58.03	+18 58.6	2.342	3.149	11.9	21.3

279671 2011 FZ_{23} 11 1.1 205°.07 0°.4/ 1.4 18

9 28	2 53.60	+17 28.0	1.855	2.692	14.2	22.0
10 8	2 47.75	+17 9.9	1.775	2.688	10.7	21.8
10 18	2 39.62	+16 40.3	1.718	2.684	6.6	21.5
10 28	2 29.99	+16 1.4	1.689	2.679	2.1	21.2
11 7	2 19.91	+15 17.3	1.688	2.674	2.6	21.3
11 17	2 10.53	+14 33.3	1.716	2.668	7.1	21.5
11 27	2 2.88	+13 55.3	1.770	2.662	11.2	21.8
12 7	1 57.64	+13 28.0	1.848	2.655	14.7	22.0

515408 2013 HN_{24} 11 1.1 113°.24 0°.4/ 1.4 18

9 28	2 51.02	+16 35.2	2.443	3.273	11.4	21.6
10 8	2 45.22	+16 28.1	2.377	3.287	8.5	21.4
10 18	2 37.79	+16 13.4	2.336	3.301	5.2	21.3
10 28	2 29.39	+15 52.8	2.324	3.314	1.6	21.0
11 7	2 20.81	+15 28.9	2.341	3.327	2.0	21.1
11 17	2 12.82	+15 5.2	2.389	3.340	5.5	21.4
11 27	2 6.15	+14 45.2	2.465	3.353	8.6	21.6
12 7	2 1.28	+14 31.9	2.566	3.365	11.3	21.8

187673 2008 CO_{70} 11 1.1 279°.50 0°.1/ 1.0 18

9 28	2 52.14	+16 30.6	1.418	2.276	16.6	21.1
10 8	2 47.32	+16 2.2	1.341	2.265	12.5	20.9
10 18	2 39.66	+15 19.6	1.284	2.254	7.6	20.6
10 28	2 30.06	+14 26.2	1.253	2.244	2.2	20.2
11 7	2 19.82	+13 27.9	1.247	2.233	3.4	20.3
11 17	2 10.39	+12 32.7	1.268	2.223	8.8	20.5
11 27	2 3.09	+11 48.3	1.314	2.212	13.7	20.8
12 7	1 58.74	+11 20.2	1.380	2.202	17.9	21.0

495007 2010 MX_{63} 11 1.1 347°.01 0°.2/ 1.0 17

9 28	2 48.67	+12 23.1	1.220	2.098	17.3	20.1
10 8	2 45.17	+12 56.2	1.144	2.080	13.1	19.7
10 18	2 38.61	+13 24.7	1.089	2.063	8.0	19.4
10 28	2 29.80	+13 49.9	1.056	2.048	2.4	19.0
11 7	2 20.13	+14 13.7	1.048	2.035	3.5	19.1
11 17	2 11.20	+14 39.1	1.064	2.024	9.3	19.4
11 27	2 4.52	+15 9.7	1.103	2.015	14.5	19.7
12 7	2 1.06	+15 48.5	1.162	2.009	19.0	19.9

164479 2006 FT_{15} 11 1.1 116°.73 2°.3/ 2.6 18

9 28	2 57.68	+20 33.2	1.995	2.812	14.1	20.3
10 8	2 50.56	+21 1.0	1.929	2.827	10.8	20.2
10 18	2 41.21	+21 17.7	1.886	2.841	7.0	20.0
10 28	2 30.44	+21 22.8	1.870	2.855	3.3	19.8
11 7	2 19.34	+21 17.9	1.884	2.868	3.0	19.8
11 17	2 9.05	+21 6.3	1.928	2.881	6.4	20.0
11 27	2 0.55	+20 52.6	2.000	2.893	10.0	20.3
12 7	1 54.47	+20 41.7	2.096	2.905	13.1	20.5

242837 2006 DN_{71} 11 1.1 257°.56 0°.6/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 48.80	+13 46.8	2.402	3.243	11.2	20.8
10 8	2 43.76	+13 28.5	2.317	3.234	8.3	20.5
10 18	2 37.04	+13 3.8	2.256	3.224	5.0	20.3
10 28	2 29.21	+12 34.9	2.223	3.214	1.5	20.1
11 7	2 21.05	+12 5.2	2.220	3.204	2.5	20.1
11 17	2 13.34	+11 38.2	2.246	3.194	6.0	20.4
11 27	2 6.86	+11 17.6	2.300	3.184	9.3	20.5
12 7	2 2.15	+11 6.2	2.379	3.173	12.2	20.7

458229 2010 SD_{17} 11 1.1 93°.83 0°.5/ 1.5 18

9 28	2 50.33	+17 35.6	2.016	2.854	13.1	21.5
10 8	2 45.09	+17 19.8	1.946	2.859	9.8	21.3
10 18	2 37.89	+16 53.9	1.899	2.864	6.1	21.1
10 28	2 29.46	+16 19.9	1.879	2.869	2.0	20.8
11 7	2 20.74	+15 41.5	1.887	2.874	2.4	20.8
11 17	2 12.69	+15 3.5	1.925	2.879	6.4	21.1
11 27	2 6.18	+14 30.6	1.990	2.883	10.0	21.3
12 7	2 1.79	+14 7.0	2.078	2.888	13.2	21.6

78363 2002 PM_{111} 11 1.1 347°.96 3°.1/29.9 18

9 28	2 47.37	+ 7 21.6	1.797	2.663	13.2	18.9
10 8	2 43.10	+ 6 52.2	1.727	2.656	9.8	18.6
10 18	2 36.79	+ 6 20.2	1.679	2.650	6.1	18.4
10 28	2 29.15	+ 5 50.2	1.658	2.644	3.3	18.2
11 7	2 21.15	+ 5 26.9	1.664	2.639	4.8	18.3
11 17	2 13.78	+ 5 14.5	1.697	2.635	8.5	18.5
11 27	2 7.95	+ 5 16.2	1.755	2.632	12.1	18.8
12 7	2 4.30	+ 5 32.9	1.835	2.629	15.2	19.0

492965 2014 SA_{118} 11 1.1 262°.92 3°.1/28.9 18

9 28	2 46.27	+ 7 23.3	2.396	3.251	10.7	21.5
10 8	2 41.82	+ 6 21.6	2.318	3.242	7.9	21.3
10 18	2 35.83	+ 5 16.2	2.265	3.233	5.0	21.1
10 28	2 28.85	+ 4 11.8	2.241	3.224	3.1	21.0
11 7	2 21.59	+ 3 13.5	2.246	3.215	4.5	21.1
11 17	2 14.81	+ 2 26.0	2.280	3.205	7.4	21.3
11 27	2 9.18	+ 1 52.6	2.341	3.196	10.3	21.4
12 7	2 5.22	+ 1 35.1	2.425	3.186	12.9	21.6

325500 2009 RX_{34} 11 1.1 117°.19 1°.2/ 2.1 18

9 28	2 51.20	+18 39.4	2.351	3.176	11.9	21.0
10 8	2 45.52	+18 45.4	2.277	3.182	9.0	20.8
10 18	2 38.08	+18 42.5	2.227	3.188	5.7	20.6
10 28	2 29.52	+18 31.6	2.205	3.193	2.2	20.4
11 7	2 20.67	+18 15.1	2.213	3.198	2.2	20.4
11 17	2 12.39	+17 55.9	2.250	3.204	5.6	20.6
11 27	2 5.47	+17 38.1	2.316	3.209	8.8	20.9
12 7	2 0.45	+17 25.1	2.406	3.214	11.7	21.1

485942 2012 HH_{36} 11 1.1 237°.22 4°.2/28.1 18

9 28	2 46.92	+ 3 4.4	2.361	3.218	10.8	21.6
10 8	2 42.27	+ 2 6.6	2.292	3.215	8.1	21.4
10 18	2 36.08	+ 1 8.9	2.249	3.211	5.5	21.2
10 28	2 28.92	+ 0 16.1	2.234	3.208	4.2	21.2
11 7	2 21.53	− 0 26.8	2.248	3.205	5.5	21.2
11 17	2 14.64	− 0 56.1	2.290	3.201	8.1	21.4
11 27	2 8.94	− 1 9.5	2.357	3.198	10.8	21.6
12 7	2 4.93	− 1 6.4	2.447	3.194	13.2	21.7

429934 2012 TC_{286} 11 1.1 330°.52 0°.1/31.9 17

9 28	2 45.21	+15 15.7	2.832	3.669	9.8	21.0
10 8	2 40.88	+14 59.1	2.749	3.664	7.3	20.8
10 18	2 35.20	+14 36.3	2.692	3.659	4.4	20.7
10 28	2 28.66	+14 9.2	2.663	3.654	1.3	20.4
11 7	2 21.88	+13 40.5	2.664	3.649	1.9	20.5
11 17	2 15.49	+13 13.2	2.694	3.644	5.0	20.7
11 27	2 10.10	+12 50.5	2.753	3.640	7.8	20.9
12 7	2 6.16	+12 34.8	2.837	3.636	10.3	21.0

216228 2006 UM_{183} 11 1.1 129°.80 3°.6/29.7 18

9 28	2 52.59	+ 4 33.7	2.015	2.867	12.6	20.3
10 8	2 46.64	+ 4 12.6	1.950	2.872	9.4	20.1
10 18	2 38.78	+ 3 51.9	1.910	2.876	6.0	19.9
10 28	2 29.73	+ 3 35.6	1.898	2.880	3.7	19.7
11 7	2 20.41	+ 3 27.6	1.914	2.884	5.0	19.8
11 17	2 11.79	+ 3 30.7	1.959	2.888	8.2	20.0
11 27	2 4.70	+ 3 46.6	2.030	2.891	11.4	20.2
12 7	1 59.70	+ 4 15.7	2.124	2.895	14.2	20.4

492612 2014 OX_{228} 11 1.1 359°.35 3°.2/29.4 18

9 28	2 45.11	+ 9 11.4	1.812	2.680	13.0	20.4
10 8	2 41.36	+ 8 4.5	1.746	2.678	9.6	20.2
10 18	2 35.69	+ 6 51.9	1.705	2.677	5.9	20.0
10 28	2 28.83	+ 5 39.5	1.690	2.676	3.3	19.8
11 7	2 21.69	+ 4 34.2	1.702	2.676	5.0	19.9
11 17	2 15.20	+ 3 42.0	1.742	2.677	8.6	20.1
11 27	2 10.20	+ 3 7.3	1.807	2.678	12.1	20.4
12 7	2 7.26	+ 2 51.8	1.893	2.680	15.1	20.6

411875 2012 EW_4 11 1.1 60°.98 4°.6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 54.18	+27 34.1	2.136	2.930	14.0	20.7
10 8	2 48.05	+28 15.0	2.066	2.942	11.2	20.5
10 18	2 39.75	+28 41.2	2.020	2.953	8.2	20.3
10 28	2 30.05	+28 50.8	1.999	2.965	5.4	20.2
11 7	2 19.97	+28 44.5	2.007	2.978	4.7	20.2
11 17	2 10.59	+28 25.4	2.043	2.990	6.6	20.3
11 27	2 2.88	+27 58.7	2.107	3.002	9.5	20.5
12 7	1 57.47	+27 30.4	2.195	3.014	12.2	20.7

358743 2008 CO_{100} 11 1.1 336°.27 1°.9/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.85	+20 38.3	1.859	2.692	14.3	21.4
10 8	2 45.78	+20 38.8	1.782	2.690	10.9	21.2
10 18	2 38.47	+20 26.5	1.727	2.687	7.1	21.0
10 28	2 29.69	+20 2.1	1.699	2.685	3.1	20.7
11 7	2 20.48	+19 28.9	1.698	2.683	2.8	20.7
11 17	2 11.95	+18 51.4	1.725	2.682	6.7	20.9
11 27	2 5.10	+18 15.6	1.779	2.680	10.6	21.2
12 7	2 0.61	+17 46.7	1.857	2.679	14.0	21.4

382486 2001 CX_{19} 11 1.1 155°.62 9°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 3.35	+50 57.7	2.963	3.572	14.1	21.9
10 8	2 55.00	+51 48.5	2.883	3.583	12.7	21.8
10 18	2 44.04	+52 17.2	2.820	3.593	11.3	21.7
10 28	2 31.34	+52 19.3	2.780	3.603	10.1	21.7
11 7	2 18.15	+51 53.2	2.763	3.611	9.3	21.6
11 17	2 5.79	+51 0.9	2.773	3.619	9.3	21.6
11 27	1 55.44	+49 47.7	2.808	3.626	9.9	21.7
12 7	1 47.84	+48 21.8	2.868	3.632	11.1	21.8

354439 2003 YS_{88} 11 1.1 325°.93 4°.1/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.46	+ 7 36.7	1.424	2.301	15.4	20.4
10 8	2 43.78	+ 6 45.7	1.346	2.282	11.5	20.1
10 18	2 37.52	+ 5 48.9	1.290	2.263	7.3	19.9
10 28	2 29.46	+ 4 53.0	1.259	2.245	4.2	19.6
11 7	2 20.78	+ 4 5.9	1.253	2.228	6.2	19.7
11 17	2 12.79	+ 3 34.5	1.273	2.211	10.6	19.9
11 27	2 6.68	+ 3 23.8	1.315	2.196	15.0	20.1
12 7	2 3.26	+ 3 35.3	1.376	2.182	18.9	20.4

30360 2000 JY_{50} 11 1.1 126°.27 2°.7/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.23	+23 51.8	1.917	2.730	14.7	18.8
10 8	2 48.79	+23 44.4	1.851	2.746	11.3	18.6
10 18	2 40.15	+23 21.3	1.809	2.761	7.5	18.4
10 28	2 30.15	+22 43.2	1.792	2.775	3.8	18.2
11 7	2 19.91	+21 53.8	1.805	2.788	3.2	18.2
11 17	2 10.54	+20 58.6	1.847	2.801	6.5	18.5
11 27	2 3.02	+20 4.2	1.916	2.813	10.1	18.7
12 7	1 57.92	+19 16.9	2.010	2.825	13.3	18.9

224888 Cochingchu 11 1.1 304°.18 2°.3/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.59	+20 48.3	1.389	2.239	17.3	21.3
10 8	2 47.22	+20 50.5	1.303	2.220	13.4	21.0
10 18	2 39.82	+20 35.8	1.237	2.201	8.8	20.7
10 28	2 30.20	+20 4.5	1.195	2.183	3.9	20.3
11 7	2 19.70	+19 20.1	1.178	2.165	3.5	20.3
11 17	2 9.91	+18 29.2	1.187	2.147	8.6	20.5
11 27	2 2.29	+17 40.6	1.220	2.129	13.7	20.8
12 7	1 57.82	+17 2.3	1.274	2.112	18.2	21.0

22679 Amydavid 11 1.1 153°.51 1°.7/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.66	+12 24.4	1.888	2.735	13.6	19.4
10 8	2 47.54	+11 37.7	1.823	2.743	10.0	19.2
10 18	2 39.37	+10 43.3	1.782	2.751	6.0	19.0
10 28	2 29.92	+ 9 45.6	1.769	2.759	2.1	18.8
11 7	2 20.24	+ 8 50.3	1.785	2.765	3.7	18.9
11 17	2 11.35	+ 8 3.0	1.829	2.771	7.7	19.2
11 27	2 4.16	+ 7 28.3	1.901	2.777	11.4	19.4
12 7	1 59.24	+ 7 8.8	1.996	2.781	14.5	19.6

183462 2003 BM_{56} 11 1.1 269°.74 0°.6/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.34	+14 12.6	2.087	2.931	12.5	20.9
10 8	2 45.22	+13 52.5	1.997	2.915	9.4	20.6
10 18	2 38.08	+13 24.5	1.930	2.899	5.7	20.4
10 28	2 29.59	+12 51.0	1.891	2.883	1.7	20.1
11 7	2 20.63	+12 15.9	1.882	2.866	2.8	20.1
11 17	2 12.16	+11 43.5	1.901	2.850	6.8	20.4
11 27	2 5.11	+11 18.5	1.947	2.833	10.6	20.6
12 7	2 0.12	+11 4.3	2.016	2.816	13.9	20.8

96627 1999 FW_{26} 11 1.1 207°.59 0°.6/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.12	+14 3.7	1.525	2.376	16.0	19.6
10 8	2 50.04	+13 53.6	1.452	2.373	12.0	19.3
10 18	2 41.21	+13 34.2	1.400	2.370	7.2	19.0
10 28	2 30.54	+13 8.2	1.375	2.366	2.1	18.7
11 7	2 19.32	+12 40.2	1.377	2.362	3.4	18.8
11 17	2 8.96	+12 15.5	1.407	2.358	8.5	19.1
11 27	2 0.70	+11 59.6	1.462	2.353	13.1	19.3
12 7	1 55.32	+11 56.3	1.538	2.348	17.0	19.6

489102 2006 BB_{202} 11 1.1 306°.54 4°.4/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 50.94	+28 22.5	2.180	2.975	13.7	21.9
10 8	2 45.74	+28 43.3	2.094	2.970	11.1	21.8
10 18	2 38.43	+28 48.4	2.031	2.965	8.1	21.6
10 28	2 29.70	+28 36.7	1.993	2.960	5.4	21.4
11 7	2 20.50	+28 9.3	1.983	2.955	4.5	21.3
11 17	2 11.88	+27 29.8	2.001	2.951	6.5	21.5
11 27	2 4.78	+26 43.8	2.047	2.946	9.5	21.6
12 7	1 59.90	+25 57.8	2.117	2.942	12.4	21.8

480830 1999 TQ_{301} 11 1.1 15°.92 0°.9/ 1.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.64	+16 53.1	1.269	2.134	17.7	20.6
10 8	2 46.26	+16 59.2	1.212	2.139	13.3	20.3
10 18	2 39.00	+16 52.7	1.176	2.146	8.2	20.1
10 28	2 29.88	+16 35.6	1.162	2.153	2.7	19.8
11 7	2 20.33	+16 12.4	1.174	2.161	3.2	19.8
11 17	2 11.83	+15 48.8	1.212	2.171	8.5	20.2
11 27	2 5.64	+15 31.3	1.272	2.181	13.2	20.5
12 7	2 2.47	+15 24.7	1.354	2.193	17.2	20.8

92397 2000 JV_{21} 11 1.1 168°.77 1°.3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.76	+19 48.3	1.513	2.353	16.7	20.0
10 8	2 49.77	+19 30.4	1.443	2.356	12.7	19.8
10 18	2 41.03	+18 56.7	1.395	2.359	8.0	19.5
10 28	2 30.49	+18 9.0	1.371	2.361	3.0	19.3
11 7	2 19.49	+17 12.5	1.376	2.362	3.0	19.3
11 17	2 9.47	+16 14.4	1.408	2.363	8.0	19.6
11 27	2 1.62	+15 22.7	1.465	2.364	12.6	19.8
12 7	1 56.69	+14 43.6	1.545	2.364	16.5	20.1

385314 2001 YH_{28} 11 1.1 25°.86 0°.7/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.41	+13 25.6	1.197	2.070	18.0	20.0
10 8	2 47.59	+13 23.6	1.146	2.078	13.4	19.8
10 18	2 39.80	+13 12.4	1.114	2.088	8.0	19.5
10 28	2 30.12	+12 55.2	1.106	2.098	2.3	19.2
11 7	2 20.08	+12 37.3	1.123	2.109	3.7	19.3
11 17	2 11.20	+12 24.0	1.165	2.122	9.2	19.7
11 27	2 4.77	+12 20.8	1.231	2.135	14.0	20.0
12 7	2 1.47	+12 30.7	1.316	2.148	18.0	20.3

357415 2003 XA_5 11 1.1 346°.93 12°.2/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 42.21	+38 10.5	1.117	1.929	23.0	19.4
10 8	2 41.27	+39 19.3	1.040	1.909	20.2	19.1
10 18	2 36.71	+39 54.4	0.979	1.891	16.9	18.8
10 28	2 29.38	+39 47.3	0.935	1.876	13.9	18.6
11 7	2 20.94	+38 54.8	0.911	1.862	12.2	18.5
11 17	2 13.46	+37 21.7	0.907	1.851	13.0	18.5
11 27	2 8.84	+35 21.5	0.923	1.843	15.7	18.6
12 7	2 8.20	+33 11.9	0.958	1.837	19.3	18.8

283860 2003 WG_{38} 11 1.1 14°.09 5°.5/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.35	+26 40.7	1.279	2.117	19.2	19.5
10 8	2 46.30	+27 14.3	1.219	2.122	15.3	19.3
10 18	2 39.16	+27 25.8	1.179	2.128	10.9	19.1
10 28	2 29.97	+27 13.3	1.160	2.136	6.9	18.9
11 7	2 20.25	+26 39.2	1.165	2.144	5.7	18.8
11 17	2 11.61	+25 50.0	1.196	2.154	8.7	19.0
11 27	2 5.43	+24 55.6	1.249	2.164	12.9	19.3
12 7	2 2.47	+24 5.5	1.324	2.176	16.7	19.6

521322 2015 KQ_{171} 11 1.1 81°.93 4°.1/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.21	+ 7 39.2	1.644	2.509	14.3	20.9
10 8	2 45.13	+ 6 19.5	1.594	2.523	10.5	20.7
10 18	2 37.94	+ 4 55.7	1.567	2.537	6.6	20.5
10 28	2 29.52	+ 3 35.4	1.567	2.550	4.1	20.4
11 7	2 20.94	+ 2 26.3	1.595	2.564	5.9	20.5
11 17	2 13.26	+ 1 34.5	1.650	2.577	9.5	20.8
11 27	2 7.35	+ 1 3.7	1.729	2.591	13.1	21.0
12 7	2 3.76	+ 0 54.5	1.829	2.604	16.0	21.3

57900 2002 CY_{239} 11 1.1 38°.46 1°.3/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.70	+14 56.7	1.278	2.148	17.2	17.9
10 8	2 45.26	+14 5.0	1.233	2.165	12.7	17.7
10 18	2 38.21	+13 0.9	1.208	2.182	7.5	17.4
10 28	2 29.61	+11 50.8	1.208	2.200	2.2	17.2
11 7	2 20.85	+10 43.0	1.234	2.219	3.9	17.3
11 17	2 13.23	+ 9 45.5	1.285	2.238	9.0	17.7
11 27	2 7.84	+ 9 4.8	1.361	2.258	13.5	18.0
12 7	2 5.21	+ 8 43.7	1.456	2.278	17.2	18.3

32845 1992 FU_1 11 1.1 247°.26 1°.5/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.16	+13 4.8	1.783	2.634	14.0	19.5
10 8	2 46.82	+12 27.1	1.699	2.622	10.4	19.2
10 18	2 39.18	+11 40.1	1.638	2.609	6.3	18.9
10 28	2 29.96	+10 47.7	1.604	2.595	2.1	18.6
11 7	2 20.23	+ 9 55.5	1.599	2.581	3.6	18.7
11 17	2 11.13	+ 9 9.5	1.621	2.567	8.1	19.0
11 27	2 3.71	+ 8 35.3	1.670	2.553	12.3	19.2
12 7	1 58.71	+ 8 16.6	1.740	2.538	15.8	19.4

73277 2002 JP_{58} 11 1.1 60°.25 0°.3/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 50.30	+17 19.7	2.027	2.866	13.1	18.7
10 8	2 44.87	+16 57.0	1.978	2.892	9.7	18.5
10 18	2 37.66	+16 24.6	1.952	2.918	5.9	18.3
10 28	2 29.43	+15 45.4	1.953	2.943	1.8	18.1
11 7	2 21.10	+15 3.5	1.983	2.969	2.3	18.2
11 17	2 13.58	+14 23.4	2.042	2.995	6.1	18.5
11 27	2 7.61	+13 49.8	2.129	3.021	9.5	18.8
12 7	2 3.67	+13 25.9	2.239	3.047	12.4	19.0

88700 2001 RF_{143} 11 1.1 280°.27 4°.6/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.50	+28 28.0	1.990	2.790	14.7	19.5
10 8	2 46.39	+28 41.4	1.900	2.779	11.9	19.3
10 18	2 38.96	+28 37.2	1.832	2.768	8.6	19.1
10 28	2 29.92	+28 14.1	1.789	2.758	5.6	18.9
11 7	2 20.33	+27 33.6	1.773	2.747	4.7	18.8
11 17	2 11.34	+26 39.9	1.785	2.736	7.0	19.0
11 27	2 4.03	+25 40.2	1.824	2.726	10.3	19.1
12 7	1 59.13	+24 41.8	1.887	2.715	13.5	19.3

14764 Kilauea 11 1.1 269°.40 6°.9/26.4 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.10	+10 18.1	1.106	1.990	18.3	17.4
10 8	2 46.17	+ 7 9.8	1.041	1.981	13.6	17.1
10 18	2 39.12	+ 3 40.3	0.999	1.972	8.8	16.8
10 28	2 29.98	+ 0 7.8	0.983	1.962	7.0	16.6
11 7	2 20.31	− 3 5.6	0.994	1.952	10.3	16.8
11 17	2 11.71	− 5 41.3	1.029	1.943	15.3	17.0
11 27	2 5.55	− 7 29.1	1.085	1.933	20.0	17.3
12 7	2 2.62	− 8 29.0	1.157	1.923	23.9	17.6

476780 2008 UC_{131} 11 1.1 324°.82 0°.8/ 1.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.16	+18 3.4	1.461	2.316	16.3	21.5
10 8	2 45.84	+17 51.2	1.384	2.306	12.4	21.3
10 18	2 38.80	+17 25.0	1.328	2.296	7.7	21.0
10 28	2 29.90	+16 46.8	1.296	2.287	2.6	20.6
11 7	2 20.39	+16 1.4	1.291	2.277	3.0	20.6
11 17	2 11.65	+15 15.5	1.311	2.269	8.2	20.9
11 27	2 4.93	+14 36.4	1.356	2.261	12.9	21.2
12 7	2 1.04	+14 9.9	1.423	2.254	17.0	21.4

330222 2006 HA_{74} 11 1.1 278°.26 3°.4/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.78	+ 3 30.6	2.371	3.220	11.1	20.8
10 8	2 45.19	+ 3 16.4	2.293	3.212	8.3	20.6
10 18	2 37.93	+ 3 3.5	2.241	3.204	5.4	20.4
10 28	2 29.57	+ 2 55.2	2.216	3.196	3.5	20.3
11 7	2 20.90	+ 2 54.5	2.221	3.189	4.6	20.4
11 17	2 12.72	+ 3 3.8	2.255	3.181	7.5	20.5
11 27	2 5.79	+ 3 24.7	2.317	3.173	10.4	20.7
12 7	2 0.65	+ 3 57.2	2.401	3.165	13.0	20.9

469817 2005 SR_{145} 11 1.1 356°.16 1°.2/31.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.74	+13 16.9	1.094	1.977	18.5	21.0
10 8	2 45.28	+13 5.5	1.034	1.972	13.8	20.7
10 18	2 38.66	+12 43.5	0.993	1.968	8.4	20.4
10 28	2 29.88	+12 15.2	0.973	1.965	2.5	20.1
11 7	2 20.49	+11 46.9	0.978	1.964	4.2	20.2
11 17	2 12.14	+11 25.4	1.006	1.964	10.0	20.5
11 27	2 6.27	+11 17.2	1.056	1.965	15.3	20.8
12 7	2 3.70	+11 25.6	1.125	1.968	19.7	21.1

481669 2007 VF_{317} 11 1.1 317°.45 0°.8/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.71	+17 28.9	1.564	2.417	15.5	21.3
10 8	2 45.51	+17 26.5	1.474	2.395	11.8	21.1
10 18	2 38.66	+17 12.1	1.405	2.372	7.4	20.8
10 28	2 29.90	+16 46.9	1.360	2.351	2.6	20.4
11 7	2 20.37	+16 14.6	1.342	2.329	2.9	20.4
11 17	2 11.41	+15 40.6	1.351	2.308	8.0	20.6
11 27	2 4.29	+15 11.6	1.385	2.288	12.8	20.9
12 7	1 59.89	+14 53.3	1.439	2.269	16.9	21.1

130025 1999 VU_{80} 11 1.1 66°.48 0°.8/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.44	+16 24.6	1.642	2.486	15.4	19.4
10 8	2 49.26	+16 40.5	1.581	2.497	11.5	19.2
10 18	2 40.61	+16 46.9	1.543	2.509	7.1	19.0
10 28	2 30.39	+16 44.8	1.530	2.520	2.4	18.7
11 7	2 19.84	+16 36.9	1.545	2.532	2.7	18.8
11 17	2 10.20	+16 27.3	1.589	2.544	7.3	19.1
11 27	2 2.55	+16 20.5	1.658	2.556	11.4	19.3
12 7	1 57.56	+16 20.7	1.750	2.567	14.9	19.6

52073 2002 QD_{45} 11 1.1 105°.25 0°.2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.75	+17 11.9	1.914	2.754	13.7	19.8
10 8	2 46.18	+16 47.1	1.851	2.765	10.2	19.6
10 18	2 38.59	+16 11.7	1.810	2.777	6.2	19.4
10 28	2 29.77	+15 28.3	1.797	2.788	1.9	19.1
11 7	2 20.72	+14 41.6	1.813	2.799	2.5	19.2
11 17	2 12.44	+13 56.7	1.857	2.810	6.6	19.5
11 27	2 5.83	+13 18.8	1.929	2.821	10.4	19.7
12 7	2 1.42	+12 51.9	2.024	2.831	13.5	20.0

86126 1999 RV_{152} 11 1.1 35°.95 3°.2/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 47.00	+ 9 39.0	1.748	2.613	13.6	19.0
10 8	2 42.74	+ 8 27.7	1.693	2.624	9.9	18.8
10 18	2 36.53	+ 7 10.6	1.663	2.634	6.0	18.6
10 28	2 29.16	+ 5 54.4	1.659	2.645	3.2	18.4
11 7	2 21.60	+ 4 46.0	1.683	2.657	4.9	18.6
11 17	2 14.81	+ 3 51.5	1.734	2.669	8.6	18.8
11 27	2 9.62	+ 3 15.1	1.810	2.681	12.1	19.1
12 7	2 6.56	+ 2 58.3	1.908	2.693	15.1	19.3

44996 1999 VT_{184} 11 1.1 226°.43 1°.1/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.13	+13 15.2	1.523	2.379	15.7	19.2
10 8	2 48.55	+12 54.9	1.452	2.376	11.7	18.9
10 18	2 40.33	+12 25.5	1.403	2.373	7.1	18.6
10 28	2 30.35	+11 50.8	1.379	2.370	2.2	18.3
11 7	2 19.87	+11 15.7	1.382	2.367	3.6	18.4
11 17	2 10.24	+10 46.2	1.413	2.363	8.6	18.7
11 27	2 2.63	+10 27.6	1.468	2.359	13.1	19.0
12 7	1 57.80	+10 23.4	1.545	2.355	16.9	19.2

66732 1999 TW_{111} 11 1.1 332°.28 1°.4/ 2.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.17	+19 17.3	1.294	2.158	17.5	18.7
10 8	2 44.02	+19 8.6	1.212	2.138	13.4	18.4
10 18	2 37.93	+18 43.0	1.151	2.119	8.5	18.1
10 28	2 29.72	+18 2.1	1.112	2.102	3.2	17.8
11 7	2 20.70	+17 10.6	1.098	2.085	3.3	17.7
11 17	2 12.41	+16 16.4	1.108	2.069	8.8	18.0
11 27	2 6.28	+15 28.4	1.142	2.055	14.0	18.3
12 7	2 3.23	+14 54.1	1.195	2.042	18.6	18.5

306812 2001 QA_{151} 11 1.1 50°.27 8°.8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.82	+43 21.2	1.802	2.528	18.6	19.8
10 8	2 47.60	+43 9.9	1.732	2.541	16.1	19.7
10 18	2 39.65	+42 26.4	1.681	2.554	13.3	19.5
10 28	2 30.09	+41 8.2	1.651	2.568	10.6	19.4
11 7	2 20.36	+39 17.9	1.645	2.583	8.9	19.3
11 17	2 11.83	+37 3.2	1.667	2.597	9.2	19.4
11 27	2 5.62	+34 36.5	1.715	2.612	11.2	19.5
12 7	2 2.28	+32 10.6	1.789	2.627	13.7	19.7

264318 1999 TU_{145} 11 1.1 28°.39 2°.4/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.76	+12 40.7	1.020	1.907	19.3	19.6
10 8	2 45.86	+11 53.5	0.978	1.918	14.2	19.4
10 18	2 38.83	+10 55.1	0.954	1.930	8.4	19.1
10 28	2 29.88	+ 9 53.0	0.953	1.944	3.0	18.8
11 7	2 20.68	+ 8 56.6	0.975	1.959	5.1	19.0
11 17	2 12.81	+ 8 14.4	1.021	1.974	10.6	19.4
11 27	2 7.55	+ 7 52.5	1.088	1.991	15.6	19.7
12 7	2 5.50	+ 7 52.6	1.174	2.008	19.6	20.1

516167 2016 PW_{21} 11 1.1 8°.68 5°.8/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.03	+ 4 50.4	0.948	1.847	19.2	20.0
10 8	2 44.82	+ 4 15.7	0.903	1.848	14.4	19.7
10 18	2 38.34	+ 3 41.5	0.877	1.852	9.3	19.5
10 28	2 29.77	+ 3 16.3	0.872	1.857	5.9	19.3
11 7	2 20.79	+ 3 8.0	0.889	1.864	7.8	19.5
11 17	2 13.08	+ 3 21.3	0.927	1.873	12.6	19.7
11 27	2 8.00	+ 3 57.7	0.986	1.883	17.3	20.1
12 7	2 6.25	+ 4 55.0	1.062	1.896	21.3	20.4

128435 2004 NF_{4} 11 1.1 115°.36 3°.1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.84	+29 6.5	2.524	3.307	12.4	19.9
10 8	2 45.13	+28 30.5	2.454	3.325	9.8	19.8
10 18	2 37.79	+27 38.0	2.407	3.343	6.9	19.6
10 28	2 29.52	+26 30.2	2.388	3.360	4.2	19.5
11 7	2 21.14	+25 10.7	2.398	3.376	3.2	19.5
11 17	2 13.48	+23 45.1	2.440	3.392	5.3	19.6
11 27	2 7.21	+22 19.6	2.511	3.408	8.0	19.8
12 7	2 2.82	+21 0.3	2.609	3.423	10.6	20.0

395503 2011 UQ_{102} 11 1.1 145°.62 1°.6/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.80	+22 40.4	2.413	3.226	12.1	21.4
10 8	2 45.17	+22 7.0	2.339	3.236	9.2	21.2
10 18	2 37.87	+21 20.5	2.290	3.245	6.0	21.0
10 28	2 29.56	+20 22.9	2.269	3.254	2.6	20.8
11 7	2 21.07	+19 18.0	2.278	3.263	2.2	20.8
11 17	2 13.21	+18 10.9	2.317	3.271	5.4	21.0
11 27	2 6.72	+17 7.1	2.385	3.278	8.6	21.3
12 7	2 2.09	+16 11.5	2.479	3.285	11.4	21.5

290873 2005 WA_{58} 11 1.2 332°.40 0°.2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.00	+16 56.8	1.266	2.134	17.5	20.5
10 8	2 45.33	+16 40.1	1.192	2.121	13.3	20.2
10 18	2 38.68	+16 8.6	1.137	2.109	8.2	19.9
10 28	2 29.93	+15 25.1	1.106	2.097	2.5	19.5
11 7	2 20.49	+14 35.5	1.100	2.087	3.4	19.5
11 17	2 11.87	+13 47.6	1.118	2.077	9.1	19.8
11 27	2 5.49	+13 9.6	1.160	2.068	14.3	20.1
12 7	2 2.22	+12 47.4	1.221	2.061	18.7	20.4

253424 2003 QR_{49} 11 1.2 51°.58 4°.6/ 3.7 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 55.88	+24 54.1	1.201	2.042	20.0	20.1
10 8	2 50.45	+25 18.9	1.147	2.054	15.7	19.9
10 18	2 41.69	+25 21.6	1.112	2.067	10.8	19.7
10 28	2 30.78	+25 1.1	1.100	2.080	6.1	19.5
11 7	2 19.44	+24 20.7	1.112	2.094	5.0	19.5
11 17	2 9.42	+23 28.2	1.150	2.108	8.9	19.7
11 27	2 2.16	+22 34.0	1.211	2.123	13.5	20.0
12 7	1 58.39	+21 47.4	1.292	2.137	17.5	20.3

384332 2009 SK_{337} 11 1.2 33°.34 2°.7/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.68	+10 24.0	1.022	1.906	19.4	19.9
10 8	2 47.91	+10 3.1	0.985	1.924	14.3	19.7
10 18	2 39.99	+ 9 35.6	0.968	1.943	8.5	19.5
10 28	2 30.23	+ 9 7.6	0.972	1.963	3.2	19.2
11 7	2 20.31	+ 8 45.9	1.001	1.984	5.1	19.4
11 17	2 11.84	+ 8 36.3	1.053	2.006	10.4	19.8
11 27	2 6.07	+ 8 42.6	1.128	2.029	15.2	20.1
12 7	2 3.56	+ 9 5.7	1.221	2.053	19.2	20.5

11614 Istropolitana 11 1.2 18°.01 6°.2/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.09	− 1 8.6	1.757	2.620	13.6	17.6
10 8	2 45.04	− 1 48.6	1.702	2.624	10.5	17.4
10 18	2 37.95	− 2 23.1	1.671	2.628	7.6	17.3
10 28	2 29.62	− 2 46.2	1.665	2.633	6.2	17.2
11 7	2 21.05	− 2 53.2	1.686	2.638	7.5	17.3
11 17	2 13.24	− 2 41.2	1.733	2.644	10.3	17.5
11 27	2 7.09	− 2 9.8	1.805	2.650	13.4	17.7
12 7	2 3.16	− 1 20.7	1.897	2.657	16.1	17.9

241594 1998 TY 11 1.2 82°.76 0°.3/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.04	+15 52.0	2.238	3.073	12.1	20.4
10 8	2 45.47	+15 50.9	2.170	3.082	9.0	20.2
10 18	2 38.12	+15 42.4	2.126	3.092	5.5	20.0
10 28	2 29.67	+15 28.1	2.110	3.101	1.7	19.8
11 7	2 20.97	+15 10.7	2.124	3.110	2.2	19.9
11 17	2 12.88	+14 53.5	2.167	3.119	5.9	20.1
11 27	2 6.20	+14 40.2	2.238	3.128	9.2	20.3
12 7	2 1.45	+14 33.7	2.333	3.137	12.1	20.6

336115 2008 KZ_{3} 11 1.2 102°.44 1°.0/31.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.24	+15 34.4	1.582	2.434	15.4	21.3
10 8	2 46.85	+14 39.4	1.523	2.446	11.4	21.1
10 18	2 39.12	+13 32.2	1.487	2.457	6.8	20.8
10 28	2 29.98	+12 18.0	1.477	2.468	2.0	20.5
11 7	2 20.60	+11 4.1	1.495	2.479	3.4	20.7
11 17	2 12.18	+ 9 58.0	1.541	2.490	8.1	21.0
11 27	2 5.72	+ 9 6.2	1.613	2.501	12.3	21.3
12 7	2 1.79	+ 8 32.3	1.706	2.511	15.8	21.5

91675 1999 TA_{115} 11 1.2 277°.30 4°.2/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.66	+27 31.6	2.188	2.986	13.6	18.9
10 8	2 46.30	+27 52.0	2.102	2.980	10.9	18.7
10 18	2 38.84	+27 57.3	2.038	2.975	7.9	18.5
10 28	2 29.94	+27 46.5	2.000	2.969	5.1	18.3
11 7	2 20.58	+27 20.6	1.990	2.964	4.3	18.2
11 17	2 11.77	+26 43.3	2.008	2.958	6.4	18.4
11 27	2 4.48	+26 0.1	2.054	2.953	9.5	18.5
12 7	1 59.39	+25 17.2	2.125	2.948	12.4	18.7

487355 2014 QO_{220} 11 1.2 322°.23 2°.0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.14	+22 3.5	1.903	2.736	14.0	20.9
10 8	2 43.86	+21 50.9	1.817	2.724	10.8	20.7
10 18	2 37.42	+21 23.6	1.754	2.713	7.1	20.4
10 28	2 29.53	+20 42.6	1.716	2.702	3.3	20.2
11 7	2 21.17	+19 51.7	1.705	2.691	2.8	20.1
11 17	2 13.40	+18 56.1	1.723	2.681	6.6	20.3
11 27	2 7.20	+18 2.5	1.767	2.671	10.5	20.5
12 7	2 3.26	+17 16.8	1.835	2.662	13.9	20.7

48223 2001 KV_{43} 11 1.2 225°.44 1°.8/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.80	+12 5.2	2.100	2.948	12.3	19.8
10 8	2 44.72	+11 13.0	2.019	2.941	9.1	19.6
10 18	2 37.78	+10 13.1	1.963	2.933	5.5	19.3
10 28	2 29.62	+ 9 9.8	1.935	2.925	2.1	19.1
11 7	2 21.12	+ 8 8.5	1.937	2.917	3.6	19.2
11 17	2 13.18	+ 7 14.7	1.967	2.908	7.3	19.4
11 27	2 6.65	+ 6 33.2	2.025	2.899	10.9	19.6
12 7	2 2.11	+ 6 6.8	2.105	2.889	13.9	19.8

401301 2012 TE_{20} 11 1.2 306°.01 7°.0/ 6.8 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.74	+36 51.4	1.019	1.837	24.4	20.6
10 8	2 46.90	+35 45.7	0.938	1.824	20.4	20.3
10 18	2 40.06	+33 46.4	0.874	1.812	15.4	19.9
10 28	2 30.42	+30 49.3	0.829	1.799	10.0	19.6
11 7	2 20.03	+27 2.8	0.808	1.788	7.0	19.4
11 17	2 11.04	+22 49.4	0.811	1.776	10.3	19.6
11 27	2 5.22	+18 39.8	0.840	1.766	16.1	19.8
12 7	2 3.43	+15 0.4	0.890	1.755	21.7	20.1

385712 2005 UR_{98} 11 1.2 27°.95 0°.9/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 50.31	+18 26.1	1.084	1.957	19.5	20.3
10 8	2 46.28	+18 10.5	1.039	1.969	14.6	20.1
10 18	2 39.12	+17 37.5	1.012	1.983	9.0	19.8
10 28	2 30.03	+16 51.0	1.008	1.998	3.1	19.5
11 7	2 20.66	+15 58.1	1.027	2.015	3.4	19.6
11 17	2 12.59	+15 7.6	1.071	2.032	9.0	20.0
11 27	2 7.11	+14 27.8	1.138	2.051	14.1	20.3
12 7	2 4.86	+14 4.1	1.224	2.070	18.2	20.7

401761 2013 KM_{16} 11 1.2 50°.79 4°.9/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.25	+ 1 9.3	2.066	2.924	12.1	20.1
10 8	2 44.18	+ 0 26.0	2.008	2.929	9.2	20.0
10 18	2 37.35	− 0 14.6	1.975	2.935	6.4	19.8
10 28	2 29.47	− 0 47.5	1.968	2.940	4.9	19.7
11 7	2 21.37	− 1 8.1	1.990	2.946	6.2	19.8
11 17	2 13.92	− 1 13.5	2.039	2.951	8.9	20.0
11 27	2 7.89	− 1 2.1	2.113	2.957	11.7	20.2
12 7	2 3.77	− 0 34.6	2.209	2.963	14.2	20.4

104163 2000 EL_{76} 11 1.2 303°.68 9°.4/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.50	− 4 2.0	1.398	2.270	15.9	19.4
10 8	2 45.98	− 5 33.3	1.337	2.259	12.8	19.2
10 18	2 38.85	− 6 58.1	1.298	2.247	10.2	19.0
10 28	2 29.98	− 8 5.6	1.282	2.236	9.5	18.9
11 7	2 20.62	− 8 46.4	1.291	2.224	11.3	19.0
11 17	2 12.09	− 8 55.3	1.323	2.214	14.4	19.1
11 27	2 5.55	− 8 31.4	1.375	2.203	17.8	19.3
12 7	2 1.74	− 7 38.2	1.445	2.193	20.8	19.5

473036 2015 HS_{74} 11 1.2 300°.23 1°.6/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.76	+13 10.1	1.436	2.299	16.1	21.3
10 8	2 46.96	+12 34.8	1.364	2.293	12.0	21.0
10 18	2 39.47	+11 49.2	1.315	2.287	7.2	20.7
10 28	2 30.17	+10 57.9	1.290	2.281	2.4	20.4
11 7	2 20.35	+10 7.3	1.291	2.275	4.0	20.5
11 17	2 11.37	+ 9 24.6	1.319	2.269	9.1	20.8
11 27	2 4.44	+ 8 55.9	1.372	2.264	13.7	21.0
12 7	2 0.32	+ 8 44.8	1.444	2.259	17.7	21.3

227286 2005 SO_{178} 11 1.2 335°.52 4°.6/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.68	+24 15.4	1.208	2.059	19.3	19.9
10 8	2 46.23	+24 41.5	1.132	2.045	15.3	19.6
10 18	2 39.46	+24 47.1	1.074	2.032	10.6	19.3
10 28	2 30.26	+24 30.4	1.038	2.020	6.1	19.0
11 7	2 20.16	+23 53.3	1.025	2.008	5.0	18.9
11 17	2 10.91	+23 2.4	1.037	1.998	9.2	19.1
11 27	2 4.14	+22 8.0	1.071	1.989	14.2	19.3
12 7	2 0.85	+21 20.2	1.125	1.982	18.7	19.6

149933 2005 SQ_{179} 11 1.2 53°.87 0°.6/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.75	+16 43.0	1.918	2.758	13.6	20.3
10 8	2 46.30	+16 43.0	1.850	2.764	10.2	20.1
10 18	2 38.77	+16 33.8	1.805	2.770	6.3	19.9
10 28	2 29.92	+16 17.1	1.786	2.777	2.1	19.6
11 7	2 20.74	+15 55.9	1.796	2.783	2.4	19.7
11 17	2 12.27	+15 34.4	1.835	2.789	6.6	19.9
11 27	2 5.43	+15 16.9	1.901	2.796	10.3	20.2
12 7	2 0.83	+15 7.2	1.990	2.803	13.5	20.4

169069 2001 FC_{171} 11 1.2 224°.98 5°.9/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.38	+ 1 17.4	1.836	2.691	13.5	20.7
10 8	2 47.59	+ 0 8.8	1.762	2.681	10.3	20.5
10 18	2 39.62	− 0 59.1	1.712	2.670	7.3	20.3
10 28	2 30.19	− 1 59.4	1.689	2.659	5.9	20.2
11 7	2 20.34	− 2 45.1	1.694	2.646	7.5	20.3
11 17	2 11.14	− 3 11.1	1.727	2.633	10.6	20.5
11 27	2 3.57	− 3 14.9	1.783	2.619	13.9	20.6
12 7	1 58.31	− 2 56.8	1.861	2.605	16.9	20.8

115807 2003 UJ_{238} 11 1.2 358°.37 0°.0/31.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.12	+15 53.3	1.467	2.327	16.0	19.4
10 8	2 45.68	+15 39.6	1.399	2.325	12.0	19.2
10 18	2 38.65	+15 14.5	1.353	2.323	7.3	18.9
10 28	2 29.93	+14 40.9	1.331	2.323	2.2	18.6
11 7	2 20.73	+14 3.7	1.336	2.322	3.1	18.7
11 17	2 12.37	+13 29.1	1.367	2.323	8.1	19.0
11 27	2 6.02	+13 3.1	1.423	2.324	12.7	19.2
12 7	2 2.38	+12 50.0	1.499	2.326	16.5	19.5

411473 2010 YL_{2} 11 1.2 179°.02 3°.5/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.86	+27 7.1	2.541	3.333	12.1	21.8
10 8	2 45.38	+27 17.4	2.457	3.333	9.6	21.6
10 18	2 38.13	+27 14.3	2.397	3.334	6.9	21.4
10 28	2 29.73	+26 57.3	2.363	3.334	4.3	21.3
11 7	2 20.99	+26 28.1	2.359	3.334	3.6	21.2
11 17	2 12.77	+25 49.9	2.384	3.334	5.6	21.3
11 27	2 5.87	+25 7.5	2.437	3.333	8.3	21.5
12 7	2 0.85	+24 26.0	2.516	3.333	10.9	21.7

294068 2007 TR_{173} 11 1.2 31°.30 0°.6/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 50.06	+18 31.5	1.542	2.393	15.8	20.3
10 8	2 45.45	+18 5.3	1.479	2.399	11.9	20.1
10 18	2 38.41	+17 24.9	1.438	2.406	7.3	19.8
10 28	2 29.83	+16 33.4	1.422	2.412	2.4	19.5
11 7	2 20.92	+15 36.5	1.433	2.419	2.8	19.6
11 17	2 12.90	+14 41.0	1.470	2.427	7.6	19.9
11 27	2 6.82	+13 54.1	1.533	2.435	11.9	20.2
12 7	2 3.33	+13 20.6	1.618	2.443	15.6	20.4

268346 2005 SV_{236} 11 1.2 75°.15 1°.3/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.79	+19 34.5	1.469	2.313	16.9	21.3
10 8	2 48.90	+19 17.9	1.417	2.332	12.7	21.0
10 18	2 40.42	+18 46.2	1.387	2.352	7.9	20.8
10 28	2 30.40	+18 2.0	1.382	2.371	2.9	20.6
11 7	2 20.19	+17 10.7	1.404	2.391	2.9	20.6
11 17	2 11.11	+16 19.2	1.453	2.410	7.6	21.0
11 27	2 4.24	+15 34.8	1.528	2.429	12.0	21.3
12 7	2 0.17	+15 2.7	1.625	2.448	15.6	21.6

481652 2007 VR_{181} 11 1.2 335°.67 1°.5/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.51	+19 21.7	1.408	2.265	16.7	21.5
10 8	2 44.79	+19 17.5	1.329	2.251	12.8	21.2
10 18	2 38.31	+18 57.9	1.271	2.238	8.2	20.9
10 28	2 29.88	+18 24.5	1.237	2.226	3.2	20.6
11 7	2 20.79	+17 41.4	1.228	2.215	3.1	20.6
11 17	2 12.43	+16 55.4	1.245	2.205	8.2	20.9
11 27	2 6.11	+16 14.3	1.285	2.195	13.0	21.1
12 7	2 2.69	+15 44.6	1.347	2.187	17.2	21.4

492318 2014 BW_{26} 11 1.2 341°.84 1°.3/30.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.62	+12 5.6	2.419	3.271	10.8	21.3
10 8	2 40.73	+11 34.7	2.339	3.262	7.9	21.1
10 18	2 35.31	+10 58.4	2.283	3.253	4.7	20.9
10 28	2 28.90	+10 19.4	2.254	3.245	1.7	20.6
11 7	2 22.21	+ 9 41.8	2.255	3.237	2.8	20.7
11 17	2 15.96	+ 9 9.2	2.285	3.230	6.1	20.9
11 27	2 10.83	+ 8 45.2	2.342	3.223	9.2	21.1
12 7	2 7.32	+ 8 32.1	2.422	3.217	12.0	21.3

133782 Saraknutson 11 1.2 110°.80 7°.7/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.62	− 4 32.0	1.843	2.700	13.4	19.8
10 8	2 45.32	− 5 52.4	1.796	2.708	10.6	19.6
10 18	2 38.09	− 7 5.3	1.772	2.716	8.4	19.5
10 28	2 29.71	− 8 3.0	1.775	2.723	7.8	19.5
11 7	2 21.15	− 8 39.5	1.805	2.731	9.1	19.6
11 17	2 13.37	− 8 51.6	1.860	2.738	11.5	19.7
11 27	2 7.19	− 8 38.9	1.938	2.746	14.1	19.9
12 7	2 3.15	− 8 3.8	2.035	2.753	16.4	20.1

219918 2002 GZ_{37} 11 1.2 112°.91 0°.1/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.46	+16 45.1	2.430	3.262	11.4	21.2
10 8	2 44.16	+16 21.0	2.363	3.275	8.4	21.0
10 18	2 37.29	+15 48.6	2.322	3.287	5.1	20.8
10 28	2 29.47	+15 10.4	2.308	3.299	1.6	20.6
11 7	2 21.47	+14 29.7	2.325	3.310	2.1	20.7
11 17	2 14.05	+13 50.5	2.371	3.322	5.5	20.9
11 27	2 7.92	+13 16.8	2.445	3.333	8.7	21.1
12 7	2 3.54	+12 51.6	2.545	3.344	11.3	21.3

266843 2009 UY_{32} 11 1.2 346°.17 0°.2/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.27	+15 29.7	2.039	2.885	12.7	20.6
10 8	2 43.68	+15 9.8	1.963	2.882	9.5	20.4
10 18	2 37.19	+14 41.3	1.911	2.879	5.7	20.2
10 28	2 29.48	+14 6.6	1.885	2.877	1.7	19.9
11 7	2 21.43	+13 29.8	1.889	2.874	2.5	19.9
11 17	2 13.96	+12 55.3	1.920	2.873	6.5	20.2
11 27	2 7.93	+12 27.6	1.979	2.871	10.1	20.4
12 7	2 3.91	+12 10.2	2.061	2.870	13.3	20.6

454628 2014 QX_{135} 11 1.2 80°.72 1°.0/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.40	+12 53.2	2.205	3.051	11.9	21.5
10 8	2 44.22	+12 25.7	2.144	3.064	8.7	21.3
10 18	2 37.36	+11 52.2	2.108	3.077	5.2	21.1
10 28	2 29.50	+11 15.8	2.100	3.090	1.6	20.9
11 7	2 21.46	+10 40.4	2.120	3.104	2.8	21.0
11 17	2 14.06	+10 10.0	2.170	3.117	6.3	21.2
11 27	2 8.04	+ 9 48.0	2.248	3.130	9.6	21.5
12 7	2 3.88	+ 9 36.9	2.349	3.142	12.3	21.7

521703 2015 RW_{263} 11 1.2 16°.61 0°.6/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.00	+16 29.1	1.724	2.570	14.6	20.9
10 8	2 46.75	+16 33.6	1.655	2.572	11.0	20.6
10 18	2 39.18	+16 28.5	1.608	2.575	6.8	20.4
10 28	2 30.10	+16 15.4	1.587	2.577	2.2	20.1
11 7	2 20.61	+15 57.4	1.594	2.580	2.6	20.2
11 17	2 11.87	+15 38.9	1.628	2.584	7.1	20.4
11 27	2 4.92	+15 24.6	1.689	2.587	11.2	20.7
12 7	2 0.43	+15 18.5	1.772	2.591	14.7	20.9

517140 2013 JY_{54} 11 1.2 129°.12 0°.3/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 48.27	+16 25.3	2.302	3.141	11.7	21.7
10 8	2 43.40	+15 41.4	2.231	3.146	8.7	21.5
10 18	2 36.89	+14 48.2	2.184	3.152	5.2	21.3
10 28	2 29.37	+13 48.9	2.166	3.157	1.5	21.1
11 7	2 21.64	+12 48.0	2.177	3.162	2.3	21.2
11 17	2 14.50	+11 50.5	2.218	3.167	6.0	21.4
11 27	2 8.66	+11 1.1	2.286	3.172	9.3	21.6
12 7	2 4.63	+10 23.4	2.379	3.176	12.1	21.8

85084 2309 $T\text{-}_2$ 11 1.2 39°.05 4°.0/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.36	+23 1.8	1.632	2.457	16.3	18.0
10 8	2 50.20	+23 52.9	1.570	2.468	12.8	17.8
10 18	2 41.37	+24 30.0	1.529	2.480	8.8	17.6
10 28	2 30.77	+24 50.8	1.514	2.493	5.0	17.4
11 7	2 19.71	+24 56.2	1.526	2.505	4.4	17.4
11 17	2 9.55	+24 49.4	1.565	2.519	7.5	17.6
11 27	2 1.52	+24 36.4	1.630	2.532	11.3	17.9
12 7	1 56.32	+24 23.6	1.718	2.546	14.7	18.1

316354 2010 RZ_{169} 11 1.2 12°.99 0°.5/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.47	+17 37.1	1.802	2.648	14.1	21.0
10 8	2 44.77	+17 17.6	1.731	2.649	10.6	20.8
10 18	2 37.94	+16 46.6	1.684	2.650	6.5	20.5
10 28	2 29.72	+16 6.7	1.662	2.652	2.1	20.3
11 7	2 21.16	+15 22.2	1.668	2.655	2.5	20.3
11 17	2 13.31	+14 38.6	1.702	2.657	6.9	20.6
11 27	2 7.13	+14 1.6	1.762	2.660	10.9	20.8
12 7	2 3.23	+13 35.4	1.845	2.663	14.2	21.1

481854 2008 XW_{16} 11 1.2 318°.54 2°.8/ 3.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.34	+24 53.0	1.591	2.423	16.4	21.2
10 8	2 45.12	+24 22.8	1.511	2.415	12.8	21.0
10 18	2 38.36	+23 31.2	1.451	2.408	8.6	20.7
10 28	2 29.89	+22 19.7	1.417	2.401	4.3	20.4
11 7	2 20.92	+20 53.6	1.408	2.394	3.4	20.4
11 17	2 12.75	+19 21.2	1.428	2.387	7.4	20.6
11 27	2 6.52	+17 52.5	1.473	2.381	11.8	20.8
12 7	2 2.95	+16 36.1	1.541	2.375	15.7	21.1

474800 2005 RA_{41} 11 1.2 17°.33 2°.2/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.87	+12 6.9	1.041	1.929	18.9	20.7
10 8	2 45.29	+11 34.5	0.994	1.935	14.0	20.4
10 18	2 38.60	+10 52.1	0.967	1.943	8.4	20.1
10 28	2 29.95	+10 6.3	0.961	1.952	2.9	19.9
11 7	2 20.94	+ 9 25.0	0.979	1.962	4.9	20.0
11 17	2 13.15	+ 8 55.9	1.020	1.974	10.4	20.4
11 27	2 7.90	+ 8 44.6	1.082	1.987	15.4	20.7
12 7	2 5.85	+ 8 52.9	1.164	2.002	19.5	21.0

87535 2000 QY_{203} 11 1.2 47°.14 2°.7/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.37	+ 9 13.5	1.694	2.556	14.1	19.0
10 8	2 45.29	+ 8 38.2	1.643	2.571	10.3	18.8
10 18	2 38.14	+ 7 59.0	1.616	2.587	6.3	18.6
10 28	2 29.76	+ 7 20.5	1.614	2.602	2.9	18.4
11 7	2 21.19	+ 6 48.0	1.640	2.619	4.4	18.6
11 17	2 13.49	+ 6 26.0	1.694	2.635	8.2	18.8
11 27	2 7.53	+ 6 17.7	1.773	2.652	11.9	19.1
12 7	2 3.85	+ 6 24.4	1.873	2.669	14.9	19.3

82297 2001 KB_{40} 11 1.2 195°.03 4°.7/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.89	+ 5 39.6	1.758	2.618	13.8	19.7
10 8	2 46.50	+ 4 21.9	1.691	2.617	10.3	19.5
10 18	2 38.95	+ 3 0.8	1.649	2.615	6.7	19.3
10 28	2 30.03	+ 1 43.5	1.633	2.612	4.7	19.2
11 7	2 20.78	+ 0 37.6	1.646	2.609	6.4	19.3
11 17	2 12.26	− 0 10.7	1.686	2.605	9.9	19.5
11 27	2 5.44	− 0 37.7	1.750	2.601	13.4	19.7
12 7	2 0.93	− 0 42.7	1.836	2.597	16.5	19.9

262549 2006 VW_{14} 11 1.2 100°.74 1°.6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.17	+21 0.9	2.018	2.845	13.6	21.2
10 8	2 45.82	+20 48.5	1.948	2.853	10.3	21.0
10 18	2 38.48	+20 23.2	1.901	2.861	6.6	20.8
10 28	2 29.88	+19 46.7	1.882	2.869	2.8	20.6
11 7	2 21.00	+19 2.4	1.890	2.876	2.5	20.5
11 17	2 12.83	+18 15.3	1.928	2.884	6.2	20.8
11 27	2 6.24	+17 31.1	1.993	2.891	9.8	21.0
12 7	2 1.82	+16 54.6	2.082	2.899	12.9	21.3

446846 2001 SR_{312} 11 1.2 16°.75 2°.1/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.04	+19 53.9	1.383	2.237	17.1	20.9
10 8	2 45.74	+20 3.9	1.324	2.244	13.0	20.6
10 18	2 38.74	+19 59.1	1.287	2.252	8.4	20.4
10 28	2 29.99	+19 40.5	1.272	2.260	3.6	20.1
11 7	2 20.85	+19 12.0	1.284	2.270	3.2	20.1
11 17	2 12.67	+18 39.5	1.321	2.281	7.8	20.5
11 27	2 6.65	+18 9.9	1.383	2.293	12.3	20.7
12 7	2 3.48	+17 49.0	1.466	2.306	16.1	21.0

133028 2002 XH_{42} 11 1.2 31°.21 8°.5/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 53.13	+34 58.7	1.188	1.997	22.2	17.4
10 8	2 48.42	+35 29.6	1.153	2.027	18.3	17.3
10 18	2 40.39	+35 27.1	1.135	2.058	14.1	17.1
10 28	2 30.44	+34 49.2	1.137	2.091	10.3	17.0
11 7	2 20.38	+33 40.2	1.161	2.124	8.5	17.0
11 17	2 11.93	+32 10.1	1.210	2.159	9.8	17.2
11 27	2 6.33	+30 32.5	1.282	2.195	12.9	17.5
12 7	2 4.12	+28 59.8	1.376	2.231	16.1	17.8

70698 1999 UW_{26} 11 1.2 61°.59 4°.3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.73	+23 33.1	1.643	2.461	16.5	19.0
10 8	2 52.03	+24 29.2	1.577	2.471	13.0	18.8
10 18	2 42.53	+25 11.1	1.533	2.481	9.0	18.6
10 28	2 31.15	+25 36.1	1.515	2.492	5.3	18.4
11 7	2 19.24	+25 44.3	1.524	2.502	4.6	18.4
11 17	2 8.23	+25 38.9	1.561	2.513	7.7	18.6
11 27	1 59.41	+25 26.0	1.624	2.523	11.5	18.9
12 7	1 53.53	+25 12.3	1.710	2.534	14.9	19.1

227738 2006 FT_{25} 11 1.2 245°.41 0°.1/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.71	+15 34.8	2.597	3.431	10.7	21.6
10 8	2 43.70	+15 15.1	2.507	3.420	8.0	21.4
10 18	2 37.11	+14 48.2	2.442	3.408	4.8	21.2
10 28	2 29.48	+14 16.0	2.405	3.396	1.4	21.0
11 7	2 21.53	+13 41.5	2.399	3.384	2.1	21.0
11 17	2 13.98	+13 8.1	2.422	3.372	5.5	21.2
11 27	2 7.56	+12 39.8	2.474	3.359	8.7	21.4
12 7	2 2.80	+12 19.5	2.551	3.347	11.4	21.6

331378 2012 DC_{87} 11 1.2 175°.04 3°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.17	+22 28.1	1.591	2.418	16.6	21.2
10 8	2 50.93	+22 41.3	1.518	2.420	12.9	21.0
10 18	2 41.90	+22 38.6	1.465	2.421	8.6	20.7
10 28	2 30.97	+22 19.6	1.438	2.422	4.3	20.5
11 7	2 19.49	+21 46.9	1.438	2.422	3.6	20.5
11 17	2 8.90	+21 5.8	1.466	2.422	7.7	20.7
11 27	2 0.46	+20 24.1	1.521	2.422	12.0	21.0
12 7	1 54.97	+19 48.7	1.597	2.421	15.8	21.2

101619 1999 CG_{12} 11 1.2 284°.06 13°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.18	−14 32.8	1.624	2.471	15.4	18.7
10 8	2 44.90	−17 16.0	1.567	2.448	13.8	18.5
10 18	2 38.21	−19 46.2	1.533	2.426	13.1	18.4
10 28	2 29.88	−21 49.5	1.523	2.403	13.8	18.4
11 7	2 20.98	−23 15.5	1.535	2.381	15.6	18.5
11 17	2 12.72	−23 58.6	1.569	2.358	17.8	18.6
11 27	2 6.20	−23 58.8	1.619	2.334	20.1	18.7
12 7	2 2.17	−23 21.1	1.682	2.311	22.2	18.8

2976 Lautaro 11 1.2 2°.14 1°.0/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.42	+14 54.5	2.000	2.853	12.6	15.3
10 8	2 41.56	+13 59.8	1.929	2.853	9.3	15.1
10 18	2 35.90	+12 55.3	1.882	2.853	5.5	14.9
10 28	2 29.12	+11 45.3	1.862	2.853	1.7	14.6
11 7	2 22.08	+10 35.6	1.870	2.854	3.0	14.7
11 17	2 15.63	+ 9 32.1	1.907	2.856	6.9	15.0
11 27	2 10.59	+ 8 40.3	1.971	2.858	10.5	15.2
12 7	2 7.47	+ 8 3.5	2.057	2.860	13.5	15.4

295705 2008 TB_{190} 11 1.2 355°.43 3°.6/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.82	+26 34.8	1.737	2.555	15.8	20.1
10 8	2 46.03	+26 21.7	1.661	2.554	12.5	19.9
10 18	2 38.82	+25 48.8	1.606	2.554	8.7	19.7
10 28	2 30.03	+24 56.3	1.575	2.554	4.9	19.4
11 7	2 20.83	+23 48.3	1.572	2.553	3.9	19.4
11 17	2 12.42	+22 31.4	1.596	2.553	7.0	19.6
11 27	2 5.89	+21 14.2	1.647	2.553	10.9	19.8
12 7	2 1.90	+20 4.9	1.721	2.554	14.4	20.0

512470 2016 QX_{53} 11 1.2 66°.96 1°.4/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.07	+21 14.5	1.388	2.234	17.6	20.8
10 8	2 47.78	+20 38.0	1.336	2.252	13.3	20.6
10 18	2 39.83	+19 43.1	1.305	2.270	8.3	20.3
10 28	2 30.29	+18 33.2	1.299	2.288	3.2	20.1
11 7	2 20.57	+17 15.7	1.319	2.306	3.0	20.1
11 17	2 12.01	+15 59.3	1.366	2.324	7.9	20.5
11 27	2 5.72	+14 52.8	1.438	2.342	12.4	20.8
12 7	2 2.27	+14 2.2	1.532	2.360	16.1	21.1

431641 2008 AY_{27} 11 1.2 321°.32 4°.9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.71	+25 6.5	1.338	2.172	18.7	21.2
10 8	2 49.74	+25 39.9	1.263	2.166	14.9	20.9
10 18	2 41.51	+25 53.9	1.208	2.159	10.5	20.6
10 28	2 30.94	+25 46.1	1.175	2.154	6.2	20.4
11 7	2 19.55	+25 17.8	1.168	2.148	5.2	20.3
11 17	2 9.07	+24 34.5	1.185	2.143	8.9	20.5
11 27	2 1.04	+23 45.7	1.227	2.138	13.5	20.8
12 7	1 56.42	+23 0.9	1.290	2.134	17.6	21.0

432766 2011 FQ_{22} 11 1.2 153°.65 3°.3/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.96	+ 8 54.7	1.719	2.577	14.1	21.4
10 8	2 46.57	+ 7 55.7	1.655	2.581	10.4	21.2
10 18	2 39.00	+ 6 51.2	1.615	2.585	6.4	21.0
10 28	2 30.07	+ 5 47.3	1.602	2.589	3.4	20.8
11 7	2 20.85	+ 4 50.7	1.617	2.592	5.1	20.9
11 17	2 12.42	+ 4 7.2	1.660	2.594	8.9	21.2
11 27	2 5.75	+ 3 41.0	1.728	2.597	12.7	21.4
12 7	2 1.42	+ 3 33.7	1.817	2.599	15.9	21.6

193391 2000 VQ_{45} 11 1.2 119°.55 1°.7/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.05	+20 19.1	1.866	2.693	14.5	19.9
10 8	2 48.82	+20 19.8	1.800	2.705	11.0	19.7
10 18	2 40.35	+20 8.0	1.757	2.716	7.1	19.5
10 28	2 30.47	+19 44.5	1.741	2.727	3.0	19.3
11 7	2 20.30	+19 12.5	1.753	2.738	2.7	19.3
11 17	2 10.95	+18 36.9	1.794	2.749	6.6	19.6
11 27	2 3.40	+18 3.2	1.862	2.759	10.4	19.8
12 7	1 58.29	+17 36.6	1.954	2.769	13.7	20.1

23087 1999 XL_{118} 11 1.2 261°.56 2°.7/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.78	+25 42.4	2.314	3.121	12.7	19.4
10 8	2 44.02	+25 21.6	2.224	3.113	10.0	19.2
10 18	2 37.42	+24 45.4	2.157	3.104	6.8	19.0
10 28	2 29.63	+23 54.6	2.117	3.096	3.8	18.8
11 7	2 21.47	+22 52.3	2.105	3.088	3.0	18.8
11 17	2 13.86	+21 43.4	2.124	3.079	5.7	18.9
11 27	2 7.61	+20 34.1	2.170	3.071	9.0	19.1
12 7	2 3.31	+19 30.5	2.242	3.062	12.0	19.3

126666 2002 CO_{210} 11 1.2 282°.33 1°.5/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.30	+11 44.6	2.080	2.930	12.3	20.6
10 8	2 44.42	+11 15.1	2.002	2.924	9.1	20.3
10 18	2 37.67	+10 39.6	1.948	2.918	5.5	20.1
10 28	2 29.70	+10 1.4	1.922	2.913	2.0	19.9
11 7	2 21.38	+ 9 24.9	1.925	2.907	3.3	20.0
11 17	2 13.63	+ 8 54.3	1.956	2.901	7.0	20.2
11 27	2 7.27	+ 8 33.7	2.014	2.895	10.6	20.4
12 7	2 2.89	+ 8 25.5	2.096	2.890	13.6	20.6

347343 2012 PK_{31} 11 1.2 51°.55 4°.0/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.82	+ 7 2.4	1.307	2.179	16.8	19.8
10 8	2 48.26	+ 6 24.9	1.266	2.198	12.4	19.6
10 18	2 40.09	+ 5 45.3	1.246	2.217	7.7	19.4
10 28	2 30.40	+ 5 10.1	1.251	2.237	4.2	19.2
11 7	2 20.58	+ 4 45.5	1.282	2.257	5.9	19.4
11 17	2 11.96	+ 4 36.0	1.338	2.278	10.1	19.7
11 27	2 5.59	+ 4 44.3	1.418	2.298	14.2	20.0
12 7	2 2.04	+ 5 10.0	1.517	2.319	17.6	20.3

135531 2002 BM_{16} 11 1.2 187°.69 3°.4/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.95	+ 9 1.0	1.651	2.509	14.6	20.4
10 8	2 48.19	+ 8 0.0	1.583	2.509	10.9	20.2
10 18	2 40.08	+ 6 52.7	1.538	2.508	6.7	19.9
10 28	2 30.44	+ 5 45.4	1.520	2.507	3.5	19.7
11 7	2 20.44	+ 4 45.1	1.530	2.505	5.3	19.9
11 17	2 11.24	+ 3 58.6	1.568	2.502	9.4	20.1
11 27	2 3.91	+ 3 30.3	1.631	2.499	13.3	20.3
12 7	1 59.09	+ 3 22.0	1.715	2.495	16.7	20.5

20459 1999 LO_{26} 11 1.2 43°.69 7°.2/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.69	− 0 31.6	1.298	2.171	16.8	16.8
10 8	2 48.10	− 1 17.9	1.263	2.190	12.8	16.7
10 18	2 39.95	− 1 57.1	1.249	2.210	9.1	16.5
10 28	2 30.35	− 2 21.4	1.259	2.230	7.2	16.5
11 7	2 20.68	− 2 25.4	1.294	2.251	8.6	16.6
11 17	2 12.22	− 2 6.6	1.354	2.273	12.0	16.9
11 27	2 6.01	− 1 25.7	1.436	2.294	15.4	17.1
12 7	2 2.57	− 0 26.0	1.537	2.317	18.4	17.4

226208 2002 VL_{36} 11 1.2 302°.57 14°.1/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 0.17	−17 51.0	1.442	2.268	18.0	19.6
10 8	2 53.47	−18 43.4	1.370	2.242	16.0	19.4
10 18	2 43.63	−19 13.1	1.318	2.217	14.5	19.2
10 28	2 31.59	−19 8.4	1.288	2.191	14.2	19.2
11 7	2 18.80	−18 21.7	1.281	2.166	15.4	19.2
11 17	2 6.87	−16 51.7	1.296	2.141	17.7	19.2
11 27	1 57.24	−14 42.9	1.331	2.116	20.5	19.4
12 7	1 50.80	−12 4.4	1.384	2.092	23.2	19.5

476944 2008 XY_{2} 11 1.2 349°.47 6°.8/ 7.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.45	+35 7.7	1.388	2.190	19.8	20.3
10 8	2 44.26	+34 40.7	1.310	2.184	16.5	20.1
10 18	2 38.07	+33 39.3	1.250	2.178	12.6	19.8
10 28	2 29.89	+32 1.8	1.211	2.174	8.8	19.6
11 7	2 21.21	+29 52.9	1.198	2.170	6.8	19.5
11 17	2 13.56	+27 23.9	1.210	2.167	8.7	19.6
11 27	2 8.27	+24 50.5	1.247	2.165	12.6	19.8
12 7	2 6.06	+22 27.6	1.307	2.164	16.6	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
481710 2008 CT_{177}		11 1.2 274.°92 2.°6/30.3 18				
	h m	° ′			°	m
9 28	2 51.54	+ 8 20.0	1.997	2.850	12.7	21.7
10 8	2 46.26	+ 7 54.2	1.909	2.832	9.4	21.5
10 18	2 38.91	+ 7 24.8	1.845	2.814	5.8	21.2
10 28	2 30.13	+ 6 55.5	1.808	2.796	2.8	21.0
11 7	2 20.84	+ 6 30.9	1.800	2.777	4.2	21.1
11 17	2 12.05	+ 6 14.9	1.820	2.759	8.0	21.3
11 27	2 4.71	+ 6 11.1	1.867	2.740	11.7	21.5
12 7	1 59.50	+ 6 21.2	1.936	2.721	14.9	21.6
130239 2000 CU_{39}		11 1.2 257.°28 10.°2/13.1 18				
9 28	2 57.18	+51 24.8	2.696	3.319	15.1	20.0
10 8	2 50.95	+52 14.5	2.598	3.306	13.8	19.9
10 18	2 41.99	+52 41.4	2.516	3.293	12.4	19.7
10 28	2 31.10	+52 40.3	2.455	3.280	11.2	19.6
11 7	2 19.49	+52 8.9	2.416	3.267	10.4	19.5
11 17	2 8.57	+51 8.5	2.401	3.254	10.3	19.5
11 27	1 59.60	+49 44.3	2.411	3.240	11.0	19.5
12 7	1 53.43	+48 4.8	2.445	3.226	12.3	19.6
50888 2000 GN_{40}		11 1.2 266.°88 0.°5/ 1.5 18				
9 28	2 53.74	+17 11.8	1.648	2.492	15.3	19.2
10 8	2 48.42	+17 1.2	1.560	2.476	11.6	18.9
10 18	2 40.47	+16 38.6	1.494	2.460	7.2	18.7
10 28	2 30.65	+16 5.6	1.454	2.444	2.4	18.3
11 7	2 20.13	+15 26.3	1.441	2.428	2.9	18.3
11 17	2 10.24	+14 46.3	1.456	2.411	7.9	18.6
11 27	2 2.22	+14 12.2	1.497	2.394	12.5	18.8
12 7	1 56.89	+13 49.3	1.560	2.377	16.4	19.0
42023 2000 YW_{81}		11 1.2 165.°37 3.°0/ 3.4 18				
9 28	2 54.96	+24 33.8	1.621	2.444	16.5	19.6
10 8	2 49.22	+24 19.7	1.548	2.447	12.9	19.4
10 18	2 40.82	+23 46.2	1.496	2.450	8.7	19.1
10 28	2 30.70	+22 54.0	1.470	2.452	4.4	18.9
11 7	2 20.15	+21 47.4	1.470	2.454	3.5	18.8
11 17	2 10.51	+20 33.8	1.499	2.456	7.4	19.1
11 27	2 2.96	+19 22.0	1.554	2.457	11.7	19.3
12 7	1 58.20	+18 20.1	1.632	2.458	15.4	19.6
261764 2006 BN_{59}		11 1.2 242.°69 4.°2/ 5.1 17				
9 28	2 50.48	+29 14.7	2.354	3.141	13.1	20.2
10 8	2 45.33	+29 21.8	2.268	3.138	10.5	20.0
10 18	2 38.26	+29 12.9	2.204	3.135	7.7	19.8
10 28	2 29.92	+28 47.5	2.166	3.131	5.1	19.7
11 7	2 21.19	+28 7.2	2.156	3.128	4.2	19.6
11 17	2 13.02	+27 15.7	2.175	3.124	6.1	19.7
11 27	2 6.27	+26 18.9	2.222	3.121	8.9	19.9
12 7	2 1.55	+25 22.9	2.294	3.117	11.6	20.1
408404 2013 GF_{113}		11 1.2 130.°92 0.°4/31.8 18				
9 28	2 49.73	+14 41.7	2.702	3.534	10.4	22.1
10 8	2 44.24	+14 16.6	2.635	3.547	7.6	21.9
10 18	2 37.34	+13 45.3	2.594	3.560	4.6	21.7
10 28	2 29.60	+13 10.1	2.582	3.573	1.3	21.5
11 7	2 21.69	+12 34.1	2.601	3.585	2.1	21.6
11 17	2 14.32	+12 0.7	2.650	3.597	5.3	21.8
11 27	2 8.09	+11 33.2	2.727	3.608	8.1	22.0
12 7	2 3.46	+11 14.1	2.831	3.619	10.6	22.2
21588 Gianelli		11 1.2 121.°92 1.°1/31.2 18				
9 28	2 49.16	+12 42.5	2.525	3.365	10.8	19.3
10 8	2 43.91	+12 11.3	2.459	3.377	7.9	19.2
10 18	2 37.18	+11 34.7	2.420	3.388	4.7	19.0
10 28	2 29.55	+10 55.6	2.409	3.399	1.5	18.8
11 7	2 21.76	+10 17.5	2.428	3.410	2.6	18.9
11 17	2 14.52	+ 9 44.0	2.477	3.421	5.8	19.1
11 27	2 8.48	+ 9 18.4	2.554	3.431	8.7	19.3
12 7	2 4.10	+ 9 3.0	2.656	3.441	11.3	19.5
518923 2010 GD_{50}		11 1.2 146.°45 0.°1/ 1.1 18				
9 28	2 51.56	+16 4.4	2.228	3.062	12.2	22.1
10 8	2 45.90	+15 36.4	2.158	3.071	9.1	21.9
10 18	2 38.48	+14 59.6	2.112	3.079	5.5	21.7
10 28	2 29.96	+14 16.8	2.095	3.086	1.6	21.5
11 7	2 21.21	+13 31.8	2.107	3.093	2.3	21.5
11 17	2 13.10	+12 49.1	2.150	3.099	6.1	21.8
11 27	2 6.40	+12 13.3	2.220	3.105	9.5	22.0
12 7	2 1.65	+11 47.6	2.314	3.111	12.4	22.2
359537 2010 RX_{131}		11 1.2 90.°03 0.°2/ 1.1 18				
9 28	2 50.00	+16 4.6	1.999	2.842	13.1	21.2
10 8	2 44.97	+15 36.8	1.929	2.846	9.7	21.0
10 18	2 38.01	+14 59.5	1.883	2.850	5.9	20.8
10 28	2 29.83	+14 15.4	1.864	2.855	1.7	20.5
11 7	2 21.38	+13 29.1	1.873	2.859	2.5	20.6
11 17	2 13.59	+12 45.6	1.912	2.864	6.6	20.9
11 27	2 7.32	+12 9.7	1.977	2.868	10.2	21.1
12 7	2 3.12	+11 45.0	2.066	2.872	13.4	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
273684 2007 EG_{18}		11 1.2 162.°14 1.°8/30.9 18				
	h m	° ′			°	m
9 28	2 53.53	+11 30.4	1.948	2.794	13.2	20.9
10 8	2 47.57	+10 54.9	1.880	2.800	9.7	20.7
10 18	2 39.58	+10 13.1	1.836	2.805	5.9	20.5
10 28	2 30.31	+ 9 28.9	1.819	2.809	2.2	20.3
11 7	2 20.76	+ 8 47.1	1.832	2.813	3.6	20.4
11 17	2 11.93	+ 8 12.5	1.873	2.816	7.5	20.7
11 27	2 4.71	+ 7 49.4	1.942	2.818	11.1	20.9
12 7	1 59.69	+ 7 39.9	2.033	2.820	14.2	21.1
480943 2003 SP_{163}		11 1.2 4.°76 3.°3/30.0 18				
9 28	2 48.56	+ 9 40.0	1.384	2.259	15.9	20.4
10 8	2 44.56	+ 8 46.8	1.324	2.259	11.7	20.2
10 18	2 38.03	+ 7 46.8	1.286	2.259	7.2	19.9
10 28	2 29.88	+ 6 46.5	1.272	2.260	3.5	19.7
11 7	2 21.36	+ 5 53.9	1.284	2.262	5.4	19.9
11 17	2 13.72	+ 5 15.5	1.322	2.265	9.8	20.1
11 27	2 8.06	+ 4 56.4	1.383	2.268	14.1	20.4
12 7	2 5.05	+ 4 58.0	1.464	2.273	17.7	20.6
252054 2000 SV_{18}		11 1.2 16.°10 6.°0/ 4.9 18				
9 28	2 50.61	+28 29.8	1.071	1.916	21.7	19.5
10 8	2 47.08	+28 41.1	1.014	1.920	17.4	19.3
10 18	2 39.99	+28 22.9	0.973	1.924	12.5	19.0
10 28	2 30.53	+27 33.5	0.953	1.929	7.8	18.8
11 7	2 20.49	+26 17.9	0.955	1.936	6.1	18.7
11 17	2 11.75	+24 46.4	0.981	1.943	9.5	18.9
11 27	2 5.86	+23 13.4	1.029	1.951	14.3	19.2
12 7	2 3.60	+21 51.4	1.098	1.960	18.7	19.5
129468 1993 FZ_{52}		11 1.2 178.°99 0.°0/ 1.0 17				
9 28	2 57.05	+15 40.6	1.532	2.378	16.2	20.6
10 8	2 50.82	+15 31.1	1.462	2.380	12.1	20.3
10 18	2 41.85	+15 10.9	1.413	2.381	7.4	20.1
10 28	2 31.06	+14 42.1	1.390	2.381	2.2	19.8
11 7	2 19.77	+14 9.2	1.395	2.381	3.1	19.8
11 17	2 9.37	+13 37.9	1.427	2.380	8.2	20.1
11 27	2 1.11	+13 14.2	1.485	2.379	12.7	20.4
12 7	1 55.73	+13 2.5	1.565	2.378	16.6	20.6
70033 1999 CO_{20}		11 1.2 345.°44 2.°2/30.7 18				
9 28	2 48.54	+ 9 23.3	1.811	2.673	13.3	18.3
10 8	2 44.14	+ 9 5.0	1.737	2.665	9.9	18.1
10 18	2 37.64	+ 8 42.7	1.687	2.658	6.0	17.8
10 28	2 29.78	+ 8 20.1	1.662	2.652	2.6	17.6
11 7	2 21.50	+ 8 1.6	1.666	2.646	4.0	17.7
11 17	2 13.83	+ 7 51.2	1.696	2.641	7.9	17.9
11 27	2 7.72	+ 7 52.1	1.752	2.636	11.7	18.1
12 7	2 3.80	+ 8 6.0	1.830	2.633	14.9	18.3
272311 2005 SK_{59}		11 1.2 32.°34 0.°0/ 1.1 18				
9 28	2 50.08	+16 15.9	1.897	2.742	13.6	21.1
10 8	2 45.15	+15 58.0	1.828	2.745	10.1	20.9
10 18	2 38.18	+15 30.5	1.781	2.749	6.2	20.6
10 28	2 29.92	+14 55.9	1.762	2.753	1.9	20.4
11 7	2 21.33	+14 18.3	1.770	2.756	2.5	20.4
11 17	2 13.43	+13 42.4	1.807	2.760	6.7	20.7
11 27	2 7.12	+13 13.3	1.870	2.765	10.5	20.9
12 7	2 2.99	+12 54.5	1.957	2.769	13.8	21.2
347306 2011 QN_{4}		11 1.2 115.°93 1.°4/31.0 18				
9 28	2 52.24	+13 27.5	1.998	2.842	13.0	21.2
10 8	2 46.45	+12 34.9	1.940	2.859	9.5	21.0
10 18	2 38.80	+11 34.5	1.907	2.877	5.7	20.9
10 28	2 30.06	+10 30.7	1.903	2.893	1.9	20.6
11 7	2 21.19	+ 9 29.0	1.927	2.909	3.3	20.8
11 17	2 13.11	+ 8 35.0	1.982	2.925	7.1	21.0
11 27	2 6.60	+ 7 53.1	2.063	2.940	10.5	21.3
12 7	2 2.18	+ 7 26.0	2.167	2.954	13.4	21.5
488207 2015 XU_{278}		11 1.2 26.°62 1.°5/31.2 18				
9 28	2 48.71	+12 45.2	1.577	2.441	14.9	20.2
10 8	2 44.32	+12 14.1	1.523	2.452	10.9	19.9
10 18	2 37.72	+11 35.2	1.492	2.465	6.5	19.7
10 28	2 29.77	+10 52.9	1.487	2.478	2.1	19.5
11 7	2 21.59	+10 12.8	1.508	2.492	3.6	19.6
11 17	2 14.27	+ 9 40.4	1.556	2.506	7.9	19.9
11 27	2 8.76	+ 9 20.3	1.629	2.522	11.9	20.2
12 7	2 5.63	+ 9 14.7	1.724	2.538	15.3	20.4
328657 2009 SY_{253}		11 1.2 250.°49 1.°6/30.9 17				
9 28	2 50.75	+ 9 49.8	2.440	3.283	11.0	20.8
10 8	2 45.30	+ 9 38.0	2.355	3.273	8.1	20.6
10 18	2 38.18	+ 9 23.0	2.295	3.263	4.9	20.4
10 28	2 29.94	+ 9 7.3	2.264	3.253	1.9	20.2
11 7	2 21.35	+ 8 53.7	2.263	3.243	3.0	20.2
11 17	2 13.21	+ 8 45.1	2.291	3.233	6.3	20.4
11 27	2 6.27	+ 8 44.4	2.347	3.222	9.5	20.6
12 7	2 1.09	+ 8 53.1	2.428	3.212	12.3	20.8

233357 2006 DR_{92} 11 1.2 153°.24 3°.5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 57.08	+25 47.3	2.313	3.104	13.2	20.3
10 8	2 50.16	+26 11.0	2.236	3.113	10.4	20.2
10 18	2 41.18	+26 21.2	2.182	3.122	7.3	20.0
10 28	2 30.85	+26 17.0	2.156	3.130	4.4	19.8
11 7	2 20.15	+25 59.5	2.160	3.137	3.7	19.8
11 17	2 10.10	+25 31.9	2.194	3.143	6.0	20.0
11 27	2 1.63	+24 59.4	2.256	3.149	9.1	20.2
12 7	1 55.35	+24 27.4	2.344	3.154	11.8	20.4

324726 2007 EG_{165} 11 1.2 342°.75 3°.5/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.64	+ 7 48.5	1.976	2.838	12.4	20.4
10 8	2 42.50	+ 6 38.1	1.907	2.835	9.1	20.2
10 18	2 36.55	+ 5 23.1	1.863	2.832	5.8	20.0
10 28	2 29.45	+ 4 9.4	1.846	2.829	3.6	19.8
11 7	2 22.07	+ 3 3.6	1.857	2.827	5.1	19.9
11 17	2 15.28	+ 2 11.2	1.896	2.824	8.4	20.1
11 27	2 9.89	+ 1 36.2	1.961	2.822	11.7	20.3
12 7	2 6.43	+ 1 20.2	2.047	2.821	14.6	20.5

483054 2015 KH_{46} 11 1.2 37°.57 2°.2/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.19	+11 45.4	1.358	2.227	16.5	20.8
10 8	2 46.45	+11 8.0	1.306	2.238	12.1	20.6
10 18	2 39.13	+10 22.7	1.277	2.250	7.3	20.3
10 28	2 30.23	+ 9 35.0	1.271	2.262	2.7	20.1
11 7	2 21.07	+ 8 51.5	1.292	2.274	4.4	20.2
11 17	2 12.94	+ 8 18.6	1.339	2.288	9.1	20.5
11 27	2 6.94	+ 8 1.1	1.409	2.301	13.4	20.8
12 7	2 3.67	+ 8 0.9	1.500	2.315	17.1	21.1

395370 2011 SA_{27} 11 1.2 45°.00 6°.1/ 4.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.46	+27 23.0	1.440	2.255	18.6	20.3
10 8	2 52.09	+28 25.1	1.390	2.277	14.9	20.1
10 18	2 42.67	+29 7.0	1.360	2.299	10.8	20.0
10 28	2 31.33	+29 25.3	1.354	2.322	7.2	19.8
11 7	2 19.60	+29 20.6	1.374	2.346	6.2	19.8
11 17	2 9.08	+28 57.6	1.420	2.370	8.6	20.0
11 27	2 1.09	+28 24.8	1.490	2.394	12.1	20.3
12 7	1 56.32	+27 50.9	1.583	2.418	15.4	20.6

487128 2014 OL_{179} 11 1.2 329°.73 6°.5/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.74	+31 2.0	1.848	2.639	16.0	20.8
10 8	2 47.77	+31 52.1	1.761	2.628	13.2	20.6
10 18	2 40.16	+32 24.2	1.695	2.618	10.2	20.4
10 28	2 30.64	+32 34.8	1.652	2.608	7.5	20.2
11 7	2 20.38	+32 23.2	1.636	2.598	6.5	20.1
11 17	2 10.71	+31 52.4	1.646	2.589	8.2	20.2
11 27	2 2.88	+31 8.8	1.682	2.581	11.2	20.4
12 7	1 57.78	+30 20.9	1.740	2.573	14.3	20.6

520412 2014 JZ_{87} 11 1.2 81°.18 2°.6/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.54	+ 9 37.3	1.849	2.706	13.3	21.5
10 8	2 45.43	+ 8 54.5	1.788	2.713	9.8	21.3
10 18	2 38.33	+ 8 6.8	1.750	2.720	6.0	21.1
10 28	2 30.00	+ 7 19.0	1.739	2.727	2.8	20.9
11 7	2 21.42	+ 6 36.6	1.757	2.735	4.2	21.0
11 17	2 13.58	+ 6 4.2	1.802	2.742	8.0	21.2
11 27	2 7.34	+ 5 45.7	1.874	2.749	11.5	21.5
12 7	2 3.26	+ 5 42.5	1.967	2.756	14.6	21.7

72111 2000 YH_{56} 11 1.2 314°.20 1°.7/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.25	+13 33.5	1.272	2.142	17.3	19.6
10 8	2 47.02	+12 55.8	1.200	2.132	12.9	19.3
10 18	2 39.81	+12 5.7	1.149	2.122	7.8	19.0
10 28	2 30.55	+11 8.3	1.122	2.113	2.5	18.6
11 7	2 20.63	+10 11.2	1.119	2.104	4.3	18.7
11 17	2 11.58	+ 9 22.7	1.142	2.095	9.8	19.0
11 27	2 4.78	+ 8 50.1	1.189	2.087	14.9	19.3
12 7	2 1.05	+ 8 37.6	1.254	2.079	19.2	19.6

39640 1995 GB_{7} 11 1.2 231°.45 4°.5/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.46	+ 6 44.3	1.410	2.278	16.0	18.8
10 8	2 48.21	+ 5 50.2	1.347	2.277	12.0	18.6
10 18	2 40.30	+ 4 52.3	1.305	2.275	7.6	18.3
10 28	2 30.64	+ 3 57.6	1.289	2.273	4.6	18.1
11 7	2 20.55	+ 3 13.8	1.299	2.271	6.4	18.2
11 17	2 11.37	+ 2 47.2	1.335	2.269	10.7	18.5
11 27	2 4.27	+ 2 41.4	1.394	2.267	14.9	18.7
12 7	1 59.98	+ 2 57.0	1.473	2.265	18.5	19.0

440804 2006 QO_{15} 11 1.2 32°.40 0°.5/31.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.47	+16 0.0	1.400	2.263	16.4	20.8
10 8	2 45.13	+15 23.5	1.350	2.277	12.2	20.6
10 18	2 38.32	+14 34.7	1.321	2.292	7.3	20.3
10 28	2 30.00	+13 38.2	1.317	2.308	2.1	20.1
11 7	2 21.47	+12 41.0	1.339	2.325	3.2	20.2
11 17	2 13.95	+11 50.0	1.387	2.342	8.1	20.5
11 27	2 8.48	+11 11.7	1.460	2.360	12.5	20.8
12 7	2 5.64	+10 49.6	1.554	2.378	16.1	21.1

230701 2003 UP_{79} 11 1.2 340°.99 7°.8/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 52.26	+38 19.5	2.147	2.890	15.5	19.9
10 8	2 47.19	+39 0.0	2.063	2.886	13.3	19.7
10 18	2 39.68	+39 19.1	1.998	2.882	11.0	19.6
10 28	2 30.49	+39 13.4	1.955	2.879	8.9	19.5
11 7	2 20.74	+38 42.5	1.939	2.876	7.8	19.4
11 17	2 11.63	+37 49.4	1.948	2.873	8.5	19.4
11 27	2 4.31	+36 40.8	1.984	2.870	10.4	19.5
12 7	1 59.51	+35 25.3	2.043	2.868	12.8	19.7

22123 2000 SG_{172} 11 1.2 50°.54 3°.9/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.82	+ 3 56.4	1.928	2.785	12.9	16.6
10 8	2 46.26	+ 3 34.6	1.871	2.794	9.6	16.4
10 18	2 38.79	+ 3 14.0	1.838	2.803	6.2	16.2
10 28	2 30.15	+ 2 58.8	1.832	2.813	4.0	16.1
11 7	2 21.29	+ 2 52.8	1.853	2.822	5.2	16.2
11 17	2 13.15	+ 2 58.8	1.903	2.832	8.4	16.4
11 27	2 6.58	+ 3 18.2	1.979	2.842	11.6	16.7
12 7	2 2.12	+ 3 51.0	2.077	2.852	14.3	16.9

195682 2002 OE_{30} 11 1.2 138°.79 2°.0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.90	+23 45.8	2.626	3.433	11.3	20.5
10 8	2 43.85	+23 27.2	2.548	3.440	8.7	20.3
10 18	2 37.24	+22 56.5	2.495	3.446	5.8	20.1
10 28	2 29.68	+22 14.9	2.470	3.452	2.9	20.0
11 7	2 21.90	+21 25.3	2.474	3.457	2.4	19.9
11 17	2 14.64	+20 31.6	2.508	3.463	5.0	20.1
11 27	2 8.60	+19 38.7	2.571	3.468	7.9	20.3
12 7	2 4.25	+18 50.9	2.660	3.473	10.5	20.5

63561 2001 QL_{13} 11 1.2 7°.46 2°.7/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.77	+11 23.2	0.988	1.882	19.1	18.1
10 8	2 44.00	+10 49.1	0.939	1.882	14.2	17.8
10 18	2 38.04	+10 5.3	0.908	1.885	8.5	17.6
10 28	2 30.01	+ 9 18.8	0.898	1.889	3.3	17.3
11 7	2 21.51	+ 8 38.4	0.912	1.895	5.3	17.4
11 17	2 14.18	+ 8 11.9	0.948	1.903	10.9	17.8
11 27	2 9.38	+ 8 4.8	1.005	1.913	16.0	18.1
12 7	2 7.84	+ 8 18.7	1.079	1.924	20.3	18.4

214069 2004 GX_{6} 11 1.2 353°.69 0°.6/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.73	+16 48.2	1.865	2.705	14.0	21.2
10 8	2 47.26	+16 50.7	1.791	2.705	10.5	21.0
10 18	2 39.58	+16 43.7	1.739	2.705	6.5	20.8
10 28	2 30.44	+16 28.9	1.714	2.704	2.2	20.5
11 7	2 20.87	+16 9.0	1.718	2.704	2.5	20.5
11 17	2 11.98	+15 48.2	1.749	2.704	6.8	20.8
11 27	2 4.76	+15 31.2	1.808	2.704	10.7	21.0
12 7	1 59.88	+15 22.0	1.890	2.704	14.1	21.2

60047 1999 TQ_{104} 11 1.2 149°.73 0°.1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.48	+18 6.2	2.274	3.108	12.0	19.3
10 8	2 43.69	+17 23.7	2.199	3.111	9.0	19.1
10 18	2 37.22	+16 30.3	2.148	3.113	5.5	18.9
10 28	2 29.69	+15 29.1	2.125	3.115	1.7	18.6
11 7	2 21.91	+14 24.6	2.131	3.117	2.2	18.7
11 17	2 14.72	+13 22.0	2.167	3.119	5.9	18.9
11 27	2 8.84	+12 26.6	2.231	3.121	9.3	19.1
12 7	2 4.80	+11 42.2	2.320	3.123	12.2	19.3

460184 2014 QK_{90} 11 1.2 350°.09 11°.2/ 9.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.65	+39 23.3	1.406	2.188	20.6	19.9
10 8	2 43.42	+40 27.6	1.327	2.173	18.0	19.6
10 18	2 37.95	+41 2.6	1.264	2.159	15.2	19.4
10 28	2 30.08	+41 1.5	1.220	2.147	12.7	19.2
11 7	2 21.28	+40 22.2	1.197	2.137	11.2	19.1
11 17	2 13.31	+39 8.3	1.196	2.129	11.8	19.1
11 27	2 7.81	+37 30.2	1.217	2.123	14.0	19.3
12 7	2 5.75	+35 41.8	1.259	2.119	17.0	19.4

175216 2005 GR_{51} 11 1.2 209°.62 4°.0/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.52	+ 8 21.5	1.553	2.416	15.1	20.3
10 8	2 47.33	+ 7 12.7	1.485	2.414	11.2	20.1
10 18	2 39.70	+ 5 57.6	1.441	2.411	7.0	19.8
10 28	2 30.48	+ 4 43.2	1.422	2.407	4.0	19.6
11 7	2 20.85	+ 3 37.7	1.431	2.404	5.9	19.7
11 17	2 12.04	+ 2 48.1	1.467	2.400	10.0	20.0
11 27	2 5.13	+ 2 19.3	1.527	2.396	14.0	20.2
12 7	2 0.80	+ 2 12.6	1.608	2.391	17.5	20.4

494347 2016 TZ_{59} 11 1.2 26°.38 1°.3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.74	+18 45.0	1.108	1.978	19.3	20.6
10 8	2 46.68	+18 37.2	1.062	1.990	14.6	20.3
10 18	2 39.52	+18 12.4	1.034	2.004	9.1	20.1
10 28	2 30.42	+17 33.6	1.029	2.019	3.3	19.8
11 7	2 21.00	+16 47.1	1.047	2.035	3.3	19.9
11 17	2 12.85	+16 1.2	1.090	2.052	8.8	20.2
11 27	2 7.25	+15 24.2	1.156	2.070	13.8	20.6
12 7	2 4.85	+15 1.6	1.242	2.089	18.0	20.9

112842 2002 QU_{19} 11 1.2 323°.15 5°.9/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 45.25	+ 1 19.1	2.046	2.912	11.9	19.6
10 8	2 41.47	− 0 20.9	1.977	2.901	9.1	19.4
10 18	2 35.96	− 2 1.3	1.932	2.890	6.7	19.2
10 28	2 29.34	− 3 34.6	1.916	2.879	5.9	19.2
11 7	2 22.40	− 4 53.2	1.927	2.869	7.5	19.3
11 17	2 15.98	− 5 51.6	1.965	2.859	10.2	19.4
11 27	2 10.85	− 6 26.4	2.027	2.850	13.0	19.6
12 7	2 7.57	− 6 37.5	2.109	2.841	15.5	19.7

400976 2010 XE_{42} 11 1.2 1°.68 5°.1/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.65	+30 12.5	1.771	2.575	16.1	20.3
10 8	2 44.55	+30 15.0	1.695	2.574	13.0	20.1
10 18	2 38.06	+29 56.0	1.639	2.574	9.6	19.9
10 28	2 30.00	+29 14.8	1.607	2.574	6.4	19.7
11 7	2 21.51	+28 14.0	1.601	2.575	5.2	19.6
11 17	2 13.78	+26 59.7	1.622	2.577	7.3	19.7
11 27	2 7.88	+25 40.5	1.670	2.579	10.6	19.9
12 7	2 4.49	+24 24.9	1.741	2.582	13.9	20.2

515197 2011 UH_{330} 11 1.2 35°.12 3°.3/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.73	+ 6 58.8	1.753	2.613	13.8	20.8
10 8	2 46.46	+ 6 29.4	1.690	2.616	10.2	20.6
10 18	2 39.05	+ 5 57.9	1.650	2.619	6.4	20.4
10 28	2 30.27	+ 5 29.0	1.636	2.622	3.4	20.2
11 7	2 21.19	+ 5 7.4	1.650	2.625	4.9	20.3
11 17	2 12.84	+ 4 57.2	1.691	2.628	8.6	20.5
11 27	2 6.19	+ 5 1.2	1.758	2.632	12.2	20.8
12 7	2 1.83	+ 5 20.2	1.847	2.635	15.4	21.0

121611 1999 VD_{149} 11 1.2 38°.75 1°.3/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.50	+12 43.7	1.814	2.669	13.6	19.2
10 8	2 44.71	+12 16.1	1.756	2.681	10.0	19.0
10 18	2 37.92	+11 41.5	1.722	2.693	6.0	18.8
10 28	2 29.92	+11 3.8	1.714	2.705	1.9	18.6
11 7	2 21.69	+10 27.6	1.734	2.717	3.2	18.7
11 17	2 14.22	+ 9 57.7	1.782	2.730	7.2	19.0
11 27	2 8.37	+ 9 38.1	1.856	2.744	10.9	19.2
12 7	2 4.69	+ 9 31.3	1.952	2.757	14.0	19.5

515036 2009 WB_{36} 11 1.2 324°.46 1°.6/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.99	+13 11.0	1.265	2.138	17.2	21.1
10 8	2 46.16	+12 41.2	1.190	2.124	12.9	20.8
10 18	2 39.36	+12 0.1	1.136	2.110	7.8	20.5
10 28	2 30.48	+11 12.2	1.106	2.097	2.5	20.1
11 7	2 20.87	+10 24.6	1.100	2.084	4.3	20.2
11 17	2 12.06	+ 9 44.9	1.119	2.072	9.8	20.5
11 27	2 5.44	+ 9 20.3	1.161	2.062	14.9	20.7
12 7	2 1.91	+ 9 14.7	1.222	2.051	19.3	21.0

460066 2014 OR_{229} 11 1.2 8°.10 0°.6/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.54	+14 43.2	1.791	2.646	13.8	20.8
10 8	2 43.40	+14 18.1	1.724	2.648	10.2	20.6
10 18	2 37.22	+13 43.9	1.680	2.650	6.1	20.3
10 28	2 29.74	+13 4.2	1.662	2.654	1.8	20.0
11 7	2 21.93	+12 23.5	1.672	2.657	2.8	20.1
11 17	2 14.81	+11 47.1	1.709	2.662	7.1	20.4
11 27	2 9.27	+11 19.8	1.772	2.667	11.0	20.7
12 7	2 5.92	+11 4.8	1.858	2.673	14.3	20.9

449313 2013 FA_{6} 11 1.3 295°.13 5°.8/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.10	+ 0 55.0	1.785	2.646	13.5	21.1
10 8	2 46.13	+ 0 8.2	1.707	2.630	10.4	20.8
10 18	2 38.97	− 0 36.6	1.653	2.613	7.3	20.6
10 28	2 30.30	− 1 13.1	1.624	2.596	5.8	20.5
11 7	2 21.14	− 1 35.3	1.623	2.580	7.2	20.5
11 17	2 12.56	− 1 39.0	1.648	2.563	10.4	20.7
11 27	2 5.56	− 1 22.1	1.697	2.547	13.9	20.9
12 7	2 0.86	− 0 45.4	1.767	2.531	16.9	21.1

438478 2007 EQ_{137} 11 1.3 249°.42 2°.9/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.14	+10 43.4	1.603	2.464	14.8	21.7
10 8	2 46.29	+ 9 43.0	1.532	2.460	10.9	21.5
10 18	2 39.08	+ 8 34.2	1.485	2.456	6.7	21.2
10 28	2 30.32	+ 7 23.2	1.463	2.452	3.1	21.0
11 7	2 21.15	+ 6 17.4	1.470	2.447	4.9	21.1
11 17	2 12.75	+ 5 23.8	1.503	2.443	9.2	21.3
11 27	2 6.16	+ 4 48.0	1.561	2.438	13.3	21.6
12 7	2 2.07	+ 4 32.3	1.640	2.434	16.8	21.8

143493 2003 DF_{5} 11 1.3 323°.40 5°.6/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.44	+29 41.8	1.709	2.516	16.5	19.7
10 8	2 46.14	+30 0.7	1.622	2.503	13.4	19.4
10 18	2 39.21	+29 59.0	1.555	2.490	10.0	19.2
10 28	2 30.42	+29 34.5	1.511	2.478	6.8	19.0
11 7	2 20.96	+28 48.6	1.493	2.466	5.6	18.9
11 17	2 12.15	+27 46.3	1.502	2.455	7.9	19.0
11 27	2 5.26	+26 36.1	1.536	2.444	11.4	19.2
12 7	2 1.10	+25 27.0	1.593	2.434	15.0	19.4

191065 2002 CA_{139} 11 1.3 320°.06 3°.3/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 47.90	+11 2.6	1.362	2.238	16.1	19.6
10 8	2 44.37	+ 9 56.9	1.286	2.221	12.0	19.3
10 18	2 38.17	+ 8 39.8	1.231	2.204	7.3	19.0
10 28	2 30.11	+ 7 18.5	1.200	2.189	3.5	18.7
11 7	2 21.41	+ 6 2.1	1.195	2.173	5.6	18.8
11 17	2 13.45	+ 4 59.8	1.215	2.159	10.4	19.1
11 27	2 7.45	+ 4 18.8	1.258	2.145	15.1	19.3
12 7	2 4.24	+ 4 2.2	1.320	2.132	19.2	19.5

72323 2001 BQ_{50} 11 1.3 88°.81 7°.3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.34	+35 56.7	1.850	2.611	17.0	19.3
10 8	2 50.23	+36 25.5	1.785	2.627	14.3	19.2
10 18	2 41.48	+36 30.2	1.739	2.642	11.3	19.0
10 28	2 31.05	+36 8.1	1.717	2.658	8.6	18.9
11 7	2 20.25	+35 20.3	1.720	2.673	7.3	18.8
11 17	2 10.44	+34 12.1	1.751	2.688	8.4	18.9
11 27	2 2.78	+32 52.3	1.808	2.702	10.8	19.1
12 7	1 57.93	+31 30.6	1.888	2.717	13.5	19.3

82212 2001 HZ_{46} 11 1.3 81°.01 2°.1/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.61	+12 10.7	1.447	2.307	16.2	19.8
10 8	2 48.77	+11 25.4	1.400	2.326	11.9	19.6
10 18	2 40.46	+10 31.9	1.374	2.346	7.1	19.4
10 28	2 30.70	+ 9 36.0	1.375	2.365	2.6	19.1
11 7	2 20.79	+ 8 44.3	1.402	2.384	4.2	19.3
11 17	2 11.98	+ 8 3.4	1.456	2.403	8.8	19.6
11 27	2 5.31	+ 7 37.9	1.536	2.421	13.0	19.9
12 7	2 1.33	+ 7 29.9	1.636	2.439	16.4	20.2

307955 2004 GA_{23} 11 1.3 100°.11 0°.5/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.50	+15 11.0	1.654	2.499	15.2	21.2
10 8	2 49.26	+14 45.3	1.599	2.517	11.3	21.0
10 18	2 40.71	+14 9.8	1.568	2.536	6.8	20.8
10 28	2 30.78	+13 27.8	1.563	2.554	2.0	20.5
11 7	2 20.66	+12 44.6	1.586	2.571	3.0	20.7
11 17	2 11.53	+12 5.7	1.637	2.589	7.5	21.0
11 27	2 4.37	+11 36.5	1.715	2.605	11.6	21.3
12 7	1 59.74	+11 20.2	1.815	2.621	14.9	21.5

319029 2005 VL_{25} 11 1.3 24°.92 2°.5/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.95	+22 38.9	1.887	2.713	14.4	20.7
10 8	2 45.98	+22 41.8	1.814	2.716	11.1	20.5
10 18	2 38.82	+22 30.5	1.764	2.719	7.4	20.2
10 28	2 30.25	+22 5.7	1.739	2.723	3.7	20.0
11 7	2 21.30	+21 30.1	1.742	2.726	3.0	20.0
11 17	2 13.04	+20 48.6	1.774	2.731	6.5	20.2
11 27	2 6.47	+20 7.3	1.832	2.735	10.2	20.5
12 7	2 2.20	+19 31.7	1.913	2.740	13.5	20.7

394185 2006 RN_{93} 11 1.3 83°.56 1°.5/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.84	+14 14.9	1.888	2.737	13.4	21.1
10 8	2 44.84	+13 7.8	1.831	2.753	9.8	21.0
10 18	2 37.95	+11 51.3	1.798	2.768	5.8	20.7
10 28	2 29.95	+10 30.7	1.792	2.783	2.0	20.5
11 7	2 21.79	+ 9 12.8	1.816	2.798	3.4	20.7
11 17	2 14.41	+ 8 3.9	1.869	2.813	7.3	20.9
11 27	2 8.63	+ 7 9.3	1.948	2.828	10.9	21.2
12 7	2 4.94	+ 6 31.9	2.050	2.842	13.9	21.4

270887 2002 TE_{210} 11 1.3 359°.27 0°.4/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.10	+13 41.5	1.067	1.948	19.1	19.5
10 8	2 47.30	+13 49.0	1.008	1.944	14.3	19.2
10 18	2 40.17	+13 46.7	0.967	1.941	8.7	18.9
10 28	2 30.75	+13 37.3	0.949	1.940	2.6	18.5
11 7	2 20.66	+13 25.7	0.954	1.941	3.8	18.6
11 17	2 11.66	+13 17.7	0.982	1.942	9.8	18.9
11 27	2 5.25	+13 19.2	1.033	1.945	15.2	19.3
12 7	2 2.30	+13 34.1	1.102	1.950	19.7	19.6

339184 2004 TE_{156} 11 1.3 324°.66 0°.0/ 1.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.30	+15 44.6	2.553	3.392	10.7	21.2
10 8	2 42.09	+15 33.3	2.461	3.375	8.0	21.0
10 18	2 36.32	+15 15.0	2.393	3.360	4.9	20.7
10 28	2 29.50	+14 51.5	2.353	3.344	1.5	20.5
11 7	2 22.33	+14 25.4	2.342	3.329	2.0	20.5
11 17	2 15.53	+14 0.0	2.361	3.314	5.4	20.7
11 27	2 9.81	+13 38.9	2.408	3.299	8.6	20.9
12 7	2 5.70	+13 25.0	2.479	3.285	11.4	21.1

207822 2007 TE_{336} 11 1.3 346°.09 2°.4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.68	+21 42.3	1.596	2.434	16.0	20.5
10 8	2 46.93	+21 43.3	1.521	2.431	12.4	20.3
10 18	2 39.60	+21 28.6	1.468	2.428	8.1	20.0
10 28	2 30.54	+20 58.9	1.440	2.426	3.8	19.8
11 7	2 20.97	+20 17.8	1.438	2.424	3.2	19.7
11 17	2 12.17	+19 31.0	1.464	2.422	7.4	20.0
11 27	2 5.31	+18 45.9	1.514	2.421	11.7	20.2
12 7	2 1.15	+18 8.9	1.588	2.420	15.4	20.5

409811 2006 HF_{98} 11 1.3 221°.98 0°.0/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 50.43	+14 51.3	2.544	3.377	10.9	21.8
10 8	2 45.06	+14 48.6	2.462	3.373	8.1	21.6
10 18	2 38.07	+14 39.8	2.405	3.370	4.9	21.4
10 28	2 30.02	+14 26.5	2.376	3.367	1.5	21.1
11 7	2 21.67	+14 11.1	2.377	3.363	2.0	21.2
11 17	2 13.76	+13 56.4	2.409	3.360	5.5	21.4
11 27	2 7.04	+13 45.5	2.469	3.356	8.6	21.6
12 7	2 2.02	+13 41.2	2.554	3.352	11.3	21.8

226079 2002 LO 11 1.3 64°.57 2°.1/ 3.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.47	+26 42.1	2.126	2.931	13.7	20.0
10 8	2 45.10	+25 29.9	2.068	2.958	10.6	19.8
10 18	2 37.99	+23 59.5	2.034	2.984	7.0	19.6
10 28	2 29.94	+22 14.7	2.028	3.011	3.4	19.5
11 7	2 21.88	+20 21.7	2.052	3.037	2.5	19.4
11 17	2 14.68	+18 28.5	2.108	3.064	5.7	19.7
11 27	2 9.06	+16 42.8	2.192	3.090	9.0	20.0
12 7	2 5.44	+15 10.8	2.302	3.116	11.9	20.2

14824 1985 CF_{2} 11 1.3 235°.49 3°.7/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.74	+ 8 20.8	1.826	2.683	13.5	18.5
10 8	2 46.55	+ 7 9.8	1.747	2.672	10.0	18.3
10 18	2 39.20	+ 5 52.3	1.692	2.660	6.3	18.1
10 28	2 30.40	+ 4 34.5	1.664	2.648	3.7	17.9
11 7	2 21.16	+ 3 23.8	1.664	2.635	5.4	18.0
11 17	2 12.54	+ 2 26.8	1.693	2.622	9.2	18.2
11 27	2 5.52	+ 1 48.5	1.747	2.608	12.9	18.4
12 7	2 0.77	+ 1 31.0	1.822	2.594	16.2	18.5

379701 2011 FP_{126} 11 1.3 271°.98 0°.7/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.80	+18 17.9	1.561	2.407	15.9	21.5
10 8	2 47.87	+17 56.8	1.478	2.395	12.1	21.3
10 18	2 40.26	+17 21.2	1.416	2.383	7.6	21.0
10 28	2 30.79	+16 33.3	1.380	2.370	2.6	20.7
11 7	2 20.68	+15 37.9	1.370	2.357	2.9	20.6
11 17	2 11.27	+14 42.2	1.388	2.344	8.0	20.9
11 27	2 3.81	+13 53.6	1.432	2.332	12.7	21.2
12 7	1 59.11	+13 18.3	1.496	2.319	16.7	21.4

380367 2002 TY_{185} 11 1.3 43°.09 4°.2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.65	+24 32.7	1.189	2.033	20.0	20.5
10 8	2 49.63	+24 48.0	1.139	2.048	15.6	20.3
10 18	2 41.37	+24 41.2	1.108	2.064	10.6	20.1
10 28	2 31.08	+24 11.9	1.099	2.081	5.8	19.9
11 7	2 20.43	+23 24.5	1.115	2.098	4.6	19.8
11 17	2 11.11	+22 27.3	1.155	2.115	8.6	20.1
11 27	2 4.46	+21 30.6	1.219	2.134	13.2	20.4
12 7	2 1.18	+20 43.2	1.304	2.152	17.2	20.8

157745 2006 BF_{249} 11 1.3 29°.85 6°.2/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.71	− 1 2.1	1.940	2.803	12.5	19.8
10 8	2 43.26	− 2 11.5	1.889	2.809	9.7	19.7
10 18	2 37.03	− 3 16.7	1.861	2.815	7.2	19.5
10 28	2 29.72	− 4 11.1	1.860	2.822	6.2	19.5
11 7	2 22.20	− 4 49.0	1.886	2.829	7.6	19.6
11 17	2 15.36	− 5 6.9	1.938	2.836	10.1	19.8
11 27	2 9.95	− 5 3.4	2.014	2.843	12.8	19.9
12 7	2 6.48	− 4 39.8	2.110	2.851	15.2	20.1

158688 2003 FZ_{54} 11 1.3 242°.56 2°.5/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.15	+ 8 33.3	1.858	2.707	13.6	20.7
10 8	2 49.15	+ 8 14.5	1.774	2.695	10.2	20.5
10 18	2 40.83	+ 7 52.1	1.714	2.682	6.3	20.2
10 28	2 30.94	+ 7 29.9	1.681	2.669	2.8	20.0
11 7	2 20.51	+ 7 12.1	1.677	2.655	4.2	20.0
11 17	2 10.66	+ 7 2.6	1.701	2.641	8.3	20.2
11 27	2 2.45	+ 7 5.0	1.752	2.627	12.2	20.4
12 7	1 56.61	+ 7 20.9	1.825	2.612	15.6	20.6

305863 2009 EO_{25} 11 1.3 23°.09 1°.6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.97	+19 20.0	1.788	2.624	14.7	20.7
10 8	2 47.59	+19 25.3	1.715	2.625	11.2	20.5
10 18	2 39.88	+19 18.7	1.664	2.626	7.1	20.2
10 28	2 30.64	+19 1.2	1.639	2.627	2.9	20.0
11 7	2 20.95	+18 35.7	1.642	2.628	2.7	20.0
11 17	2 11.99	+18 6.7	1.673	2.630	6.8	20.2
11 27	2 4.79	+17 39.7	1.731	2.631	10.8	20.5
12 7	2 0.04	+17 19.8	1.811	2.633	14.3	20.7

78375 2002 PV_{127} 11 1.3 90°.81 1°.6/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.33	+19 38.6	1.829	2.660	14.6	19.7
10 8	2 48.45	+19 44.5	1.763	2.670	11.1	19.5
10 18	2 40.32	+19 38.5	1.720	2.680	7.1	19.2
10 28	2 30.74	+19 21.6	1.703	2.690	3.0	19.0
11 7	2 20.84	+18 56.6	1.714	2.700	2.7	19.0
11 17	2 11.72	+18 28.0	1.754	2.710	6.6	19.3
11 27	2 4.40	+18 1.2	1.821	2.720	10.5	19.5
12 7	1 59.51	+17 41.0	1.911	2.729	13.8	19.8

39835 1998 BQ_{13} 11 1.3 323°.55 0°.0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.39	+16 5.7	1.160	2.031	18.6	18.2
10 8	2 47.55	+15 57.3	1.086	2.017	14.1	17.9
10 18	2 40.43	+15 34.9	1.031	2.003	8.7	17.6
10 28	2 30.91	+15 1.0	0.999	1.990	2.7	17.2
11 7	2 20.53	+14 21.3	0.991	1.978	3.6	17.2
11 17	2 11.00	+13 43.3	1.007	1.966	9.7	17.5
11 27	2 3.91	+13 15.4	1.045	1.956	15.3	17.8
12 7	2 0.25	+13 3.5	1.103	1.946	20.0	18.1

195495 2002 GY_{162} 11 1.3 321°.81 1°.5/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 41.66	+ 9 10.4	3.890	4.735	7.2	19.7
10 8	2 38.13	+ 8 34.4	3.808	4.728	5.3	19.5
10 18	2 33.70	+ 7 56.2	3.754	4.722	3.2	19.4
10 28	2 28.70	+ 7 17.8	3.729	4.715	1.6	19.2
11 7	2 23.56	+ 6 41.8	3.734	4.709	2.4	19.3
11 17	2 18.67	+ 6 10.5	3.770	4.703	4.4	19.4
11 27	2 14.43	+ 5 46.0	3.834	4.697	6.4	19.6
12 7	2 11.18	+ 5 29.6	3.923	4.692	8.2	19.7

103351 2000 AS_{89} 11 1.3 324°.56 6°.3/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.86	+ 2 46.6	1.376	2.250	16.0	19.1
10 8	2 47.12	+ 1 42.9	1.315	2.245	12.2	18.9
10 18	2 39.74	+ 0 39.5	1.275	2.241	8.4	18.7
10 28	2 30.61	− 0 15.1	1.260	2.236	6.3	18.5
11 7	2 21.03	− 0 52.8	1.270	2.232	8.1	18.6
11 17	2 12.33	− 1 7.9	1.305	2.228	11.9	18.8
11 27	2 5.68	− 0 58.1	1.362	2.225	15.8	19.1
12 7	2 1.80	− 0 24.4	1.438	2.222	19.2	19.3

253339 2003 FX_{38} 11 1.3 194°.68 0°.1/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.57	+16 36.5	2.180	3.018	12.3	21.0
10 8	2 44.63	+16 3.1	2.103	3.018	9.2	20.8
10 18	2 37.90	+15 19.9	2.050	3.017	5.6	20.6
10 28	2 30.01	+14 29.9	2.025	3.016	1.7	20.3
11 7	2 21.83	+13 37.2	2.029	3.015	2.3	20.4
11 17	2 14.21	+12 46.7	2.062	3.013	6.2	20.6
11 27	2 7.98	+12 3.5	2.123	3.012	9.7	20.9
12 7	2 3.67	+11 31.2	2.207	3.010	12.7	21.1

112690 2002 PB_{100} 11 1.3 355°.46 6°.1/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.19	− 1 7.2	1.966	2.829	12.4	18.7
10 8	2 42.94	− 2 9.2	1.906	2.826	9.6	18.5
10 18	2 36.88	− 3 7.4	1.870	2.824	7.1	18.3
10 28	2 29.70	− 3 55.4	1.860	2.823	6.2	18.3
11 7	2 22.25	− 4 27.6	1.877	2.822	7.5	18.4
11 17	2 15.41	− 4 40.4	1.921	2.821	10.1	18.5
11 27	2 9.96	− 4 32.4	1.988	2.821	12.8	18.7
12 7	2 6.44	− 4 4.7	2.076	2.822	15.3	18.9

159292 2006 BE_{7} 11 1.3 320°.30 6°.4/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.67	− 0 16.5	1.825	2.691	13.1	19.7
10 8	2 43.55	− 1 22.0	1.751	2.674	10.1	19.5
10 18	2 37.40	− 2 25.3	1.701	2.658	7.5	19.3
10 28	2 29.90	− 3 19.3	1.677	2.642	6.4	19.2
11 7	2 21.96	− 3 57.3	1.679	2.627	7.9	19.3
11 17	2 14.58	− 4 14.8	1.707	2.612	10.8	19.4
11 27	2 8.68	− 4 9.4	1.758	2.597	13.9	19.6
12 7	2 4.90	− 3 41.8	1.829	2.584	16.8	19.8

282557 2004 VM_{11} 11 1.3 122°.71 0°.2/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.69	+19 24.3	1.847	2.682	14.3	20.2
10 8	2 46.37	+18 24.3	1.780	2.693	10.7	20.0
10 18	2 38.98	+17 9.7	1.737	2.703	6.5	19.8
10 28	2 30.33	+15 44.6	1.722	2.712	2.1	19.5
11 7	2 21.47	+14 15.6	1.735	2.722	2.5	19.5
11 17	2 13.43	+12 50.3	1.778	2.731	6.9	19.8
11 27	2 7.09	+11 35.9	1.848	2.739	10.8	20.1
12 7	2 3.01	+10 37.2	1.941	2.747	14.1	20.3

510527 2012 DJ_{77} 11 1.3 153°.67 6°.4/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.02	+ 2 58.3	1.436	2.305	15.7	21.4
10 8	2 47.80	+ 1 37.3	1.379	2.307	11.9	21.1
10 18	2 40.05	+ 0 16.2	1.346	2.309	8.2	20.9
10 28	2 30.69	− 0 56.1	1.337	2.311	6.4	20.8
11 7	2 21.00	− 1 50.9	1.354	2.313	8.2	21.0
11 17	2 12.24	− 2 22.0	1.397	2.314	11.8	21.2
11 27	2 5.50	− 2 26.9	1.463	2.315	15.5	21.4
12 7	2 1.45	− 2 6.9	1.548	2.316	18.7	21.6

234115 1999 VT_{218} 11 1.3 202°.29 1°.7/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.77	+13 8.9	1.973	2.821	13.0	20.9
10 8	2 45.67	+12 12.2	1.897	2.818	9.6	20.7
10 18	2 38.60	+11 6.5	1.845	2.815	5.8	20.4
10 28	2 30.26	+ 9 56.4	1.822	2.812	2.1	20.2
11 7	2 21.59	+ 8 47.8	1.827	2.808	3.5	20.3
11 17	2 13.56	+ 7 46.8	1.861	2.804	7.5	20.5
11 27	2 7.04	+ 6 58.9	1.922	2.800	11.2	20.7
12 7	2 2.62	+ 6 27.2	2.006	2.795	14.3	21.0

285978 2001 RP_{129} 11 1.3 21°.11 3°.3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 53.30	+20 50.3	1.339	2.188	17.9	19.6
10 8	2 48.41	+21 31.2	1.284	2.198	13.8	19.3
10 18	2 40.61	+21 57.3	1.250	2.210	9.1	19.1
10 28	2 30.92	+22 7.8	1.239	2.223	4.6	18.9
11 7	2 20.79	+22 4.5	1.253	2.238	3.9	18.9
11 17	2 11.71	+21 52.0	1.294	2.253	8.0	19.2
11 27	2 4.96	+21 37.0	1.358	2.270	12.4	19.5
12 7	2 1.25	+21 25.8	1.444	2.287	16.1	19.8

85065 4053 $T\text{-}_1$ 11 1.3 128°.83 1°.0/31.4 18

9 28	2 50.91	+13 29.2	2.157	3.000	12.2	20.0
10 8	2 45.55	+12 55.7	2.090	3.008	9.0	19.8
10 18	2 38.42	+12 15.2	2.048	3.016	5.4	19.6
10 28	2 30.20	+11 30.8	2.033	3.024	1.7	19.4
11 7	2 21.75	+10 47.1	2.048	3.032	2.8	19.5
11 17	2 13.94	+10 8.3	2.093	3.039	6.5	19.7
11 27	2 7.54	+ 9 38.7	2.164	3.046	9.9	19.9
12 7	2 3.08	+ 9 20.7	2.260	3.053	12.8	20.1

81138 2000 ED_{136} 11 1.3 276°.86 1°.7/30.9 18

9 28	2 49.87	+12 35.7	1.875	2.728	13.3	20.9
10 8	2 45.20	+11 50.6	1.793	2.716	9.9	20.7
10 18	2 38.43	+10 56.9	1.734	2.705	6.0	20.4
10 28	2 30.26	+ 9 58.7	1.703	2.693	2.2	20.2
11 7	2 21.64	+ 9 1.8	1.700	2.681	3.6	20.2
11 17	2 13.60	+ 8 12.1	1.724	2.669	7.8	20.5
11 27	2 7.10	+ 7 34.8	1.775	2.658	11.7	20.7
12 7	2 2.78	+ 7 13.2	1.849	2.646	15.0	20.9

195378 2002 FV_{37} 11 1.3 159°.55 0°.0/ 1.1 18

9 28	2 56.93	+14 14.9	1.989	2.823	13.5	20.3
10 8	2 50.26	+14 23.7	1.916	2.828	10.1	20.1
10 18	2 41.41	+14 25.8	1.867	2.832	6.1	19.9
10 28	2 31.14	+14 22.8	1.845	2.836	1.9	19.6
11 7	2 20.50	+14 16.9	1.854	2.840	2.5	19.7
11 17	2 10.54	+14 11.3	1.892	2.843	6.7	20.0
11 27	2 2.24	+14 9.7	1.957	2.845	10.5	20.2
12 7	1 56.25	+14 15.2	2.047	2.847	13.7	20.4

260228 2004 RB_{245} 11 1.3 278°.90 1°.1/31.4 18

9 28	2 49.48	+12 51.6	2.134	2.981	12.2	20.6
10 8	2 44.64	+12 23.6	2.055	2.976	9.0	20.4
10 18	2 37.96	+11 48.9	2.001	2.970	5.4	20.2
10 28	2 30.10	+11 10.6	1.975	2.965	1.8	20.0
11 7	2 21.88	+10 32.7	1.977	2.960	2.9	20.0
11 17	2 14.21	+ 9 59.6	2.008	2.955	6.7	20.3
11 27	2 7.90	+ 9 35.5	2.066	2.950	10.2	20.5
12 7	2 3.53	+ 9 23.0	2.148	2.945	13.2	20.7

391985 2008 YH_9 11 1.3 317°.02 3°.9/29.5 18 R

9 28	2 50.29	+ 7 38.8	1.603	2.469	14.5	20.9
10 8	2 45.70	+ 6 41.9	1.535	2.464	10.8	20.7
10 18	2 38.79	+ 5 40.2	1.489	2.459	6.8	20.4
10 28	2 30.37	+ 4 40.2	1.470	2.455	4.0	20.3
11 7	2 21.54	+ 3 49.0	1.477	2.450	5.7	20.3
11 17	2 13.44	+ 3 12.5	1.511	2.446	9.6	20.6
11 27	2 7.11	+ 2 55.0	1.570	2.442	13.5	20.8
12 7	2 3.22	+ 2 57.6	1.649	2.438	16.9	21.0

296576 2009 QC_{59} 11 1.3 343°.77 1°.0/ 2.1 18

9 28	2 49.47	+18 47.1	1.981	2.819	13.4	21.1
10 8	2 44.83	+18 35.9	1.904	2.816	10.1	20.9
10 18	2 38.16	+18 13.4	1.849	2.813	6.4	20.7
10 28	2 30.17	+17 41.5	1.821	2.810	2.4	20.4
11 7	2 21.79	+17 3.7	1.821	2.807	2.3	20.4
11 17	2 14.01	+16 24.5	1.849	2.805	6.3	20.7
11 27	2 7.74	+15 49.3	1.904	2.803	10.1	20.9
12 7	2 3.60	+15 22.5	1.983	2.802	13.3	21.1

67201 2000 CR_{103} 11 1.3 288°.99 7°.3/ 7.2 18

9 28	2 53.44	+35 36.1	1.883	2.649	16.6	19.0
10 8	2 48.34	+36 3.6	1.796	2.642	14.0	18.8
10 18	2 40.58	+36 8.0	1.729	2.635	11.2	18.6
10 28	2 30.96	+35 46.1	1.685	2.628	8.6	18.4
11 7	2 20.71	+34 58.0	1.667	2.621	7.3	18.3
11 17	2 11.19	+33 48.1	1.675	2.614	8.5	18.4
11 27	2 3.62	+32 24.7	1.709	2.607	11.1	18.5
12 7	1 58.82	+30 58.0	1.767	2.600	14.1	18.7

319199 2005 YY_{171} 11 1.3 314°.07 3°.3/ 3.7 17

9 28	2 51.04	+24 29.6	2.026	2.841	14.0	20.5
10 8	2 46.14	+24 43.4	1.939	2.832	11.0	20.3
10 18	2 39.05	+24 43.2	1.875	2.823	7.6	20.1
10 28	2 30.47	+24 28.3	1.836	2.815	4.3	19.9
11 7	2 21.37	+24 0.7	1.826	2.807	3.6	19.8
11 17	2 12.82	+23 24.1	1.843	2.798	6.4	20.0
11 27	2 5.82	+22 44.4	1.888	2.791	9.9	20.2
12 7	2 1.08	+22 7.4	1.956	2.783	13.2	20.3

412950 2014 QP_{240} 11 1.3 160°.43 1°.4/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 49.48	+11 34.1	2.396	3.240	11.1	21.7
10 8	2 44.39	+11 3.9	2.324	3.243	8.2	21.6
10 18	2 37.69	+10 28.7	2.277	3.245	4.9	21.4
10 28	2 29.99	+ 9 51.4	2.257	3.247	1.8	21.1
11 7	2 22.05	+ 9 15.9	2.268	3.249	2.9	21.2
11 17	2 14.63	+ 8 45.9	2.308	3.251	6.2	21.5
11 27	2 8.44	+ 8 24.6	2.376	3.253	9.3	21.7
12 7	2 3.99	+ 8 14.3	2.468	3.254	12.0	21.8

223789 2004 SR_{50} 11 1.3 181°.29 2°.3/ 3.3 18

9 28	2 52.08	+22 44.9	2.523	3.330	11.8	21.0
10 8	2 46.40	+22 53.1	2.440	3.331	9.1	20.9
10 18	2 38.97	+22 50.6	2.381	3.331	6.1	20.7
10 28	2 30.41	+22 37.3	2.350	3.331	3.2	20.5
11 7	2 21.50	+22 15.2	2.348	3.331	2.6	20.4
11 17	2 13.08	+21 47.2	2.376	3.330	5.3	20.6
11 27	2 5.95	+21 17.7	2.433	3.329	8.3	20.8
12 7	2 0.66	+20 50.9	2.516	3.328	11.1	21.0

30974 1995 EL 11 1.3 120°.00 1°.0/31.5 18

9 28	2 53.52	+12 17.7	2.218	3.056	12.1	19.0
10 8	2 47.40	+12 3.8	2.155	3.071	8.9	18.8
10 18	2 39.52	+11 44.7	2.117	3.084	5.3	18.6
10 28	2 30.55	+11 22.9	2.107	3.098	1.7	18.4
11 7	2 21.39	+11 1.6	2.127	3.111	2.7	18.5
11 17	2 12.89	+10 44.3	2.177	3.124	6.3	18.7
11 27	2 5.84	+10 34.1	2.255	3.136	9.6	19.0
12 7	2 0.74	+10 33.2	2.357	3.148	12.4	19.2

397494 2007 RJ_{169} 11 1.3 339°.52 5°.2/28.5 18

9 28	2 48.68	+ 5 12.6	1.513	2.387	14.8	21.1
10 8	2 44.60	+ 3 59.7	1.449	2.381	11.1	20.9
10 18	2 38.17	+ 2 43.8	1.407	2.376	7.4	20.7
10 28	2 30.20	+ 1 32.9	1.391	2.371	5.2	20.5
11 7	2 21.84	+ 0 35.2	1.401	2.366	7.1	20.6
11 17	2 14.23	− 0 2.8	1.436	2.362	10.8	20.8
11 27	2 8.42	− 0 17.3	1.495	2.359	14.6	21.1
12 7	2 5.08	− 0 8.3	1.573	2.356	17.9	21.3

362922 2012 DK_6 11 1.3 87°.93 4°.9/27.9 18

9 28	2 48.57	+ 1 43.9	2.200	3.057	11.5	20.0
10 8	2 43.72	+ 0 39.2	2.148	3.068	8.7	19.9
10 18	2 37.27	− 0 23.7	2.120	3.079	6.1	19.7
10 28	2 29.88	− 1 19.3	2.120	3.090	4.9	19.7
11 7	2 22.33	− 2 2.6	2.149	3.101	6.1	19.8
11 17	2 15.40	− 2 29.9	2.205	3.112	8.6	20.0
11 27	2 9.77	− 2 39.4	2.287	3.123	11.3	20.2
12 7	2 5.91	− 2 31.3	2.391	3.134	13.6	20.4

6418 Hanamigahara 11 1.3 351°.15 1°.0/ 1.9 18

9 28	2 49.29	+20 31.4	1.169	2.033	18.9	15.8
10 8	2 45.82	+19 49.5	1.103	2.029	14.4	15.6
10 18	2 39.26	+18 45.4	1.056	2.026	9.1	15.3
10 28	2 30.60	+17 22.9	1.033	2.023	3.2	14.9
11 7	2 21.37	+15 50.8	1.033	2.021	3.3	14.9
11 17	2 13.18	+14 20.3	1.059	2.020	9.1	15.3
11 27	2 7.40	+13 2.9	1.107	2.019	14.5	15.6
12 7	2 4.81	+12 6.4	1.176	2.020	19.0	15.8

430951 2005 UZ_{361} 11 1.3 92°.70 0°.5/31.9 18

9 28	2 56.64	+13 57.3	1.577	2.425	15.7	21.5
10 8	2 50.34	+13 51.0	1.520	2.439	11.6	21.3
10 18	2 41.55	+13 36.3	1.485	2.454	7.0	21.0
10 28	2 31.22	+13 15.9	1.477	2.468	2.1	20.8
11 7	2 20.61	+12 54.1	1.496	2.482	3.1	20.9
11 17	2 10.98	+12 35.5	1.543	2.495	7.8	21.2
11 27	2 3.41	+12 24.7	1.616	2.509	12.0	21.5
12 7	1 58.52	+12 24.9	1.711	2.522	15.5	21.7

399550 2003 QC_{111} 11 1.3 34°.80 6°.6/27.9 18

9 28	2 49.84	− 1 41.5	1.720	2.585	13.8	19.8
10 8	2 44.96	− 2 33.5	1.680	2.601	10.7	19.7
10 18	2 38.12	− 3 19.1	1.663	2.617	7.8	19.5
10 28	2 30.15	− 3 51.9	1.671	2.635	6.6	19.5
11 7	2 22.06	− 4 6.9	1.705	2.652	7.9	19.6
11 17	2 14.80	− 4 1.7	1.765	2.671	10.5	19.8
11 27	2 9.21	− 3 36.0	1.849	2.690	13.3	20.1
12 7	2 5.78	− 2 51.9	1.954	2.709	15.8	20.3

121790 2000 AS_{104} 11 1.3 0°.85 7°.7/26.9 18

9 28	2 50.05	− 5 25.5	1.798	2.656	13.6	19.0
10 8	2 45.21	− 6 15.8	1.743	2.655	10.9	18.8
10 18	2 38.36	− 6 57.4	1.711	2.655	8.6	18.7
10 28	2 30.26	− 7 23.5	1.704	2.655	7.7	18.6
11 7	2 21.88	− 7 29.0	1.722	2.655	9.0	18.7
11 17	2 14.22	− 7 11.7	1.766	2.656	11.4	18.9
11 27	2 8.15	− 6 31.6	1.834	2.658	14.1	19.0
12 7	2 4.24	− 5 31.5	1.921	2.660	16.6	19.2

100475 1996 TZ_{36} 11 1.3 4°.64 0°.1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 42.07	+16 22.5	4.259	5.085	7.0	19.8
10 8	2 38.41	+16 3.8	4.177	5.085	5.2	19.7
10 18	2 33.89	+15 40.5	4.121	5.085	3.2	19.5
10 28	2 28.86	+15 13.9	4.095	5.086	1.0	19.3
11 7	2 23.69	+14 46.0	4.100	5.086	1.2	19.4
11 17	2 18.77	+14 18.5	4.135	5.086	3.4	19.5
11 27	2 14.47	+13 53.6	4.200	5.087	5.4	19.7
12 7	2 11.10	+13 33.2	4.292	5.087	7.1	19.8

366106 2012 DZ_{15} 11 1.3 337°.55 5°.4/27.8 18

9 28	2 49.11	+ 0 11.9	2.100	2.957	12.0	20.2
10 8	2 44.29	− 0 43.5	2.037	2.956	9.2	20.0
10 18	2 37.72	− 1 36.2	1.999	2.955	6.6	19.9
10 28	2 30.06	− 2 20.5	1.988	2.955	5.4	19.8
11 7	2 22.15	− 2 51.4	2.004	2.954	6.7	19.9
11 17	2 14.81	− 3 5.4	2.048	2.953	9.3	20.0
11 27	2 8.84	− 3 0.8	2.117	2.953	12.0	20.2
12 7	2 4.74	− 2 38.2	2.207	2.952	14.5	20.4

450291 2004 JT_{20} 11 1.3 62°.20 14°.4/31.1 16

9 28	3 15.47	−16 2.5	0.944	1.782	24.4	20.2
10 8	3 5.39	−15 52.1	0.902	1.792	20.5	20.0
10 18	2 51.03	−15 7.0	0.877	1.803	16.8	19.8
10 28	2 34.11	−13 36.8	0.873	1.814	14.6	19.7
11 7	2 17.08	−11 20.8	0.892	1.824	15.1	19.8
11 17	2 2.29	− 8 28.1	0.935	1.836	17.9	20.0
11 27	1 51.39	− 5 12.9	1.001	1.847	21.5	20.3
12 7	1 45.01	− 1 49.5	1.085	1.858	24.8	20.6

430072 2013 SG_{39} 11 1.3 36°.85 5°.8/29.1 16

9 28	2 51.13	+ 6 39.1	1.018	1.908	19.0	20.3
10 8	2 46.91	+ 5 21.4	0.984	1.924	14.1	20.1
10 18	2 39.68	+ 4 1.2	0.969	1.942	9.0	19.9
10 28	2 30.67	+ 2 49.3	0.977	1.960	5.8	19.8
11 7	2 21.53	+ 1 55.7	1.008	1.980	7.9	20.0
11 17	2 13.76	+ 1 27.3	1.062	2.000	12.3	20.3
11 27	2 8.55	+ 1 26.4	1.137	2.021	16.6	20.6
12 7	2 6.43	+ 1 51.1	1.230	2.043	20.3	20.9

431139 2006 QJ_{26} 11 1.3 15°.52 2°.3/ 2.5 18

9 28	2 49.86	+20 19.7	0.981	1.857	20.8	20.1
10 8	2 46.59	+20 21.5	0.931	1.861	15.9	19.9
10 18	2 39.85	+20 2.8	0.898	1.868	10.2	19.6
10 28	2 30.82	+19 25.4	0.886	1.875	4.3	19.3
11 7	2 21.26	+18 35.7	0.897	1.885	3.7	19.3
11 17	2 13.00	+17 43.1	0.931	1.895	9.4	19.7
11 27	2 7.54	+16 57.9	0.986	1.907	14.8	20.0
12 7	2 5.60	+16 27.4	1.060	1.920	19.4	20.3

279117 2009 KJ_{7} 11 1.3 76°.64 1°.7/31.3 18

9 28	2 55.10	+ 9 40.2	1.951	2.797	13.2	20.5
10 8	2 48.75	+ 9 39.4	1.895	2.814	9.7	20.3
10 18	2 40.41	+ 9 35.4	1.864	2.832	5.9	20.1
10 28	2 30.89	+ 9 30.9	1.860	2.849	2.2	19.9
11 7	2 21.17	+ 9 28.8	1.885	2.867	3.3	20.0
11 17	2 12.24	+ 9 31.9	1.939	2.884	7.1	20.3
11 27	2 4.97	+ 9 42.7	2.020	2.901	10.5	20.5
12 7	1 59.88	+10 2.6	2.125	2.918	13.5	20.7

69321 1993 FH_{34} 11 1.3 308°.19 0°.0/ 1.1 18

9 28	2 53.51	+15 8.9	1.720	2.566	14.7	19.1
10 8	2 48.10	+15 5.2	1.646	2.564	11.0	18.9
10 18	2 40.31	+14 52.6	1.594	2.562	6.7	18.7
10 28	2 30.92	+14 33.1	1.569	2.560	2.1	18.4
11 7	2 21.07	+14 10.5	1.571	2.558	2.7	18.4
11 17	2 11.93	+13 49.2	1.602	2.556	7.4	18.7
11 27	2 4.57	+13 34.1	1.658	2.554	11.6	18.9
12 7	1 59.70	+13 29.0	1.737	2.552	15.1	19.2

319082 2005 WJ_{113} 11 1.3 299°.40 1°.0/31.4 18

9 28	2 47.87	+15 24.1	2.061	2.907	12.6	20.3
10 8	2 43.52	+14 24.0	1.982	2.903	9.3	20.1
10 18	2 37.34	+13 13.1	1.929	2.898	5.6	19.9
10 28	2 29.98	+11 55.7	1.902	2.893	1.7	19.6
11 7	2 22.32	+10 37.9	1.905	2.889	2.9	19.7
11 17	2 15.23	+ 9 25.8	1.937	2.884	6.9	19.9
11 27	2 9.54	+ 8 25.2	1.996	2.880	10.5	20.2
12 7	2 5.79	+ 7 40.1	2.078	2.876	13.6	20.4

371803 2007 RR_{57} 11 1.3 248°.25 4°.0/ 3.6 18

9 28	2 56.69	+24 31.0	1.448	2.275	17.9	21.6
10 8	2 51.20	+24 47.3	1.367	2.267	14.2	21.4
10 18	2 42.57	+24 44.6	1.306	2.259	9.8	21.1
10 28	2 31.69	+24 21.4	1.270	2.250	5.4	20.8
11 7	2 20.02	+23 39.8	1.259	2.241	4.4	20.7
11 17	2 9.16	+22 45.9	1.275	2.232	8.4	21.0
11 27	2 0.61	+21 49.1	1.316	2.223	13.0	21.2
12 7	1 55.30	+20 58.4	1.378	2.214	17.2	21.4

81124 2000 EB_{129} 11 1.3 142°.72 1°.9/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 54.01	+11 44.7	1.716	2.568	14.4	19.9
10 8	2 48.28	+11 5.8	1.652	2.574	10.7	19.7
10 18	2 40.29	+10 19.7	1.611	2.581	6.4	19.5
10 28	2 30.89	+ 9 30.8	1.597	2.587	2.4	19.2
11 7	2 21.17	+ 8 44.8	1.611	2.592	3.9	19.4
11 17	2 12.27	+ 8 7.2	1.653	2.597	8.1	19.6
11 27	2 5.18	+ 7 42.7	1.721	2.602	12.0	19.9
12 7	2 0.51	+ 7 33.6	1.811	2.606	15.4	20.1

121510 1999 TS_{309} 11 1.3 60°.53 0°.5/31.9 18

9 28	2 50.05	+15 10.7	1.951	2.797	13.2	20.1
10 8	2 45.13	+14 41.1	1.888	2.807	9.8	19.9
10 18	2 38.29	+14 2.6	1.848	2.816	5.9	19.6
10 28	2 30.27	+13 18.5	1.835	2.826	1.7	19.4
11 7	2 22.00	+12 33.4	1.850	2.836	2.6	19.5
11 17	2 14.43	+11 52.3	1.895	2.846	6.7	19.8
11 27	2 8.39	+11 19.8	1.965	2.856	10.3	20.0
12 7	2 4.44	+10 59.1	2.060	2.866	13.4	20.2

285847 2001 FJ_{110} 11 1.3 289°.57 2°.2/30.1 18

9 28	2 49.19	+11 29.7	2.331	3.177	11.3	21.3
10 8	2 44.52	+10 23.7	2.220	3.140	8.5	21.1
10 18	2 38.03	+ 9 8.4	2.134	3.103	5.2	20.8
10 28	2 30.25	+ 7 48.1	2.077	3.065	2.4	20.6
11 7	2 21.92	+ 6 28.5	2.050	3.027	3.9	20.6
11 17	2 13.90	+ 5 15.7	2.053	2.988	7.4	20.8
11 27	2 7.04	+ 4 15.3	2.083	2.948	11.0	20.9
12 7	2 1.97	+ 3 31.3	2.137	2.909	14.1	21.1

77576 2001 KS_{11} 11 1.3 234°.59 5°.0/28.1 18

9 28	2 50.72	− 1 53.7	2.508	3.353	10.7	19.1
10 8	2 45.26	− 2 25.7	2.436	3.347	8.3	18.9
10 18	2 38.25	− 2 53.6	2.390	3.341	6.1	18.8
10 28	2 30.26	− 3 12.9	2.372	3.335	5.0	18.7
11 7	2 22.00	− 3 20.3	2.383	3.328	6.0	18.8
11 17	2 14.21	− 3 13.4	2.422	3.322	8.3	18.9
11 27	2 7.60	− 2 51.3	2.487	3.315	10.7	19.1
12 7	2 2.65	− 2 14.7	2.575	3.308	13.0	19.2

406305 2007 HN_{27} 11 1.3 305°.18 0°.0/ 1.2 18

9 28	2 48.02	+17 12.8	2.168	3.008	12.3	20.9
10 8	2 43.59	+16 32.4	2.088	3.003	9.2	20.7
10 18	2 37.37	+15 41.3	2.032	2.999	5.6	20.5
10 28	2 30.00	+14 42.6	2.004	2.995	1.7	20.2
11 7	2 22.32	+13 40.9	2.004	2.990	2.3	20.2
11 17	2 15.19	+12 41.4	2.034	2.986	6.2	20.5
11 27	2 9.39	+11 49.7	2.091	2.982	9.7	20.7
12 7	2 5.49	+11 9.7	2.172	2.978	12.8	20.9

220386 2003 QK_{46} 11 1.3 23°.56 0°.4/ 1.0 18

9 28	2 50.03	+14 34.7	2.018	2.863	12.8	19.7
10 8	2 45.14	+14 21.2	1.948	2.866	9.5	19.5
10 18	2 38.33	+14 0.0	1.901	2.870	5.8	19.2
10 28	2 30.30	+13 33.8	1.882	2.873	1.7	19.0
11 7	2 21.96	+13 6.1	1.891	2.877	2.5	19.1
11 17	2 14.24	+12 41.1	1.929	2.881	6.5	19.3
11 27	2 7.99	+12 22.7	1.994	2.885	10.1	19.6
12 7	2 3.78	+12 14.0	2.082	2.890	13.2	19.8

347117 2010 JK_{80} 11 1.3 210°.55 3°.1/30.5 18

9 28	2 56.20	+ 5 53.5	1.895	2.744	13.4	20.1
10 8	2 49.82	+ 5 47.3	1.822	2.741	10.0	19.8
10 18	2 41.24	+ 5 41.0	1.773	2.739	6.3	19.6
10 28	2 31.22	+ 5 38.0	1.751	2.736	3.3	19.4
11 7	2 20.78	+ 5 41.5	1.757	2.733	4.6	19.5
11 17	2 11.01	+ 5 54.4	1.793	2.730	8.2	19.7
11 27	2 2.90	+ 6 18.4	1.856	2.727	11.8	19.9
12 7	1 57.10	+ 6 54.1	1.941	2.723	15.0	20.1

102303 1999 TQ_{91} 11 1.3 54°.60 0°.1/ 1.3 18

9 28	2 57.56	+14 19.4	1.226	2.088	18.4	19.0
10 8	2 51.60	+14 27.6	1.177	2.103	13.7	18.8
10 18	2 42.56	+14 26.1	1.148	2.118	8.3	18.5
10 28	2 31.62	+14 17.0	1.143	2.134	2.5	18.2
11 7	2 20.35	+14 4.8	1.164	2.150	3.3	18.3
11 17	2 10.34	+13 54.4	1.210	2.167	8.8	18.7
11 27	2 2.89	+13 51.4	1.280	2.183	13.7	19.0
12 7	1 58.67	+13 59.4	1.371	2.200	17.6	19.3

214959 2007 XS_{37} 11 1.3 250°.19 2°.2/30.9 18

9 28	2 53.37	+ 8 58.0	1.952	2.802	13.0	20.2
10 8	2 47.71	+ 8 45.0	1.876	2.797	9.7	19.9
10 18	2 39.96	+ 8 28.7	1.823	2.791	5.9	19.7
10 28	2 30.83	+ 8 12.4	1.797	2.786	2.5	19.5
11 7	2 21.28	+ 7 59.9	1.801	2.780	3.8	19.6
11 17	2 12.33	+ 7 54.6	1.832	2.775	7.6	19.8
11 27	2 4.92	+ 7 59.4	1.891	2.769	11.3	20.0
12 7	1 59.70	+ 8 15.9	1.972	2.763	14.5	20.2

70786 1999 VY_{46} 11 1.3 62°.17 1°.2/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	3 1.00	+ 9 30.1	1.582	2.429	15.7	18.2
10 8	2 53.60	+10 3.8	1.525	2.444	11.7	18.0
10 18	2 43.58	+10 35.5	1.491	2.459	7.1	17.7
10 28	2 31.92	+11 6.1	1.484	2.474	2.3	17.5
11 7	2 19.93	+11 37.0	1.505	2.490	3.4	17.6
11 17	2 8.96	+12 9.9	1.555	2.505	8.0	17.9
11 27	2 0.14	+12 46.8	1.632	2.521	12.1	18.2
12 7	1 54.15	+13 29.3	1.732	2.536	15.6	18.5

297188 2010 XS_{35} 11 1.3 339°.53 0°.5/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.70	+15 2.4	1.774	2.627	14.0	20.7
10 8	2 44.48	+14 38.1	1.697	2.620	10.4	20.5
10 18	2 38.10	+14 4.2	1.643	2.613	6.3	20.3
10 28	2 30.27	+13 23.7	1.615	2.606	1.9	20.0
11 7	2 22.01	+12 41.2	1.615	2.601	2.8	20.0
11 17	2 14.38	+12 2.4	1.642	2.595	7.3	20.3
11 27	2 8.34	+11 32.3	1.695	2.590	11.3	20.5
12 7	2 4.58	+11 14.9	1.770	2.586	14.8	20.7

227027 2004 YZ_{30} 11 1.3 18°.01 11°.8/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.23	−19 47.3	1.956	2.770	14.4	19.2
10 8	2 46.67	−20 48.3	1.919	2.773	12.9	19.1
10 18	2 39.17	−21 29.5	1.902	2.777	11.9	19.0
10 28	2 30.53	−21 43.7	1.909	2.781	11.9	19.0
11 7	2 21.76	−21 27.1	1.939	2.785	12.7	19.1
11 17	2 13.80	−20 39.6	1.991	2.790	14.2	19.2
11 27	2 7.48	−19 24.0	2.064	2.795	15.8	19.4
12 7	2 3.30	−17 45.6	2.154	2.801	17.4	19.5

316292 2010 RJ_{20} 11 1.3 12°.85 4°.8/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.90	+28 24.5	1.606	2.423	16.9	20.2
10 8	2 45.72	+28 28.3	1.536	2.425	13.5	20.0
10 18	2 38.98	+28 10.5	1.486	2.429	9.7	19.8
10 28	2 30.55	+27 30.7	1.460	2.433	6.1	19.6
11 7	2 21.69	+26 32.0	1.460	2.438	4.9	19.6
11 17	2 13.67	+25 21.1	1.486	2.444	7.5	19.7
11 27	2 7.65	+24 6.9	1.538	2.450	11.2	20.0
12 7	2 4.31	+22 58.3	1.613	2.457	14.7	20.2

490513 2009 UT_{97} 11 1.3 341°.78 1°.5/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.81	+10 19.1	2.042	2.891	12.6	21.2
10 8	2 46.48	+10 18.4	1.966	2.887	9.3	21.0
10 18	2 39.18	+10 14.2	1.915	2.884	5.7	20.8
10 28	2 30.60	+10 8.9	1.890	2.880	2.0	20.5
11 7	2 21.62	+10 5.4	1.895	2.878	3.1	20.6
11 17	2 13.21	+10 6.7	1.928	2.875	6.9	20.8
11 27	2 6.26	+10 15.5	1.988	2.873	10.5	21.1
12 7	2 1.37	+10 33.6	2.072	2.871	13.6	21.3

99876 2002 PB_{74} 11 1.3 54°.00 6°.8/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.96	+37 46.3	2.211	2.955	15.1	19.2
10 8	2 46.76	+38 2.9	2.140	2.968	12.8	19.1
10 18	2 39.39	+37 57.7	2.089	2.980	10.3	18.9
10 28	2 30.65	+37 28.6	2.062	2.993	8.0	18.8
11 7	2 21.60	+36 37.0	2.061	3.006	6.9	18.8
11 17	2 13.33	+35 27.2	2.087	3.019	7.5	18.8
11 27	2 6.79	+34 6.4	2.140	3.032	9.5	19.0
12 7	2 2.57	+32 42.9	2.218	3.046	11.8	19.2

327575 2006 DR_{104} 11 1.3 239°.53 2°.6/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.57	+ 8 52.9	2.383	3.234	10.9	20.7
10 8	2 43.05	+ 7 57.9	2.308	3.230	8.1	20.5
10 18	2 36.97	+ 6 58.7	2.258	3.226	5.0	20.3
10 28	2 29.90	+ 5 59.5	2.237	3.222	2.7	20.2
11 7	2 22.56	+ 5 5.1	2.245	3.218	4.0	20.3
11 17	2 15.71	+ 4 20.0	2.282	3.214	7.0	20.4
11 27	2 10.04	+ 3 47.7	2.346	3.210	10.0	20.6
12 7	2 6.04	+ 3 30.1	2.434	3.206	12.6	20.8

476918 2008 WS_{73} 11 1.3 0°.91 1°.2/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.40	+20 23.5	1.078	1.955	19.3	19.3
10 8	2 42.34	+19 48.9	1.018	1.951	14.7	19.0
10 18	2 37.23	+18 51.9	0.977	1.949	9.3	18.7
10 28	2 30.07	+17 36.9	0.958	1.948	3.4	18.4
11 7	2 22.38	+16 12.5	0.962	1.950	3.3	18.4
11 17	2 15.70	+14 50.0	0.990	1.953	9.1	18.7
11 27	2 11.41	+13 40.7	1.039	1.959	14.4	19.1
12 7	2 10.23	+12 51.7	1.108	1.966	18.9	19.4

323714 2005 JC_{17} 11 1.3 126°.58 0°.9/31.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 59.03	+12 37.0	1.726	2.567	14.9	21.4
10 8	2 51.97	+12 32.1	1.665	2.581	11.0	21.2
10 18	2 42.53	+12 20.7	1.628	2.596	6.7	20.9
10 28	2 31.62	+12 5.2	1.618	2.609	2.1	20.7
11 7	2 20.43	+11 49.3	1.638	2.622	3.1	20.8
11 17	2 10.17	+11 37.1	1.686	2.635	7.6	21.1
11 27	2 1.87	+11 32.6	1.761	2.646	11.6	21.4
12 7	1 56.15	+11 38.2	1.859	2.657	14.9	21.6

289150 2004 VL_{20} 11 1.3 13°.07 2°.7/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.66	+ 7 3.0	1.974	2.828	12.7	20.0
10 8	2 46.35	+ 6 50.3	1.906	2.829	9.5	19.8
10 18	2 39.09	+ 6 36.3	1.863	2.831	5.9	19.6
10 28	2 30.59	+ 6 24.4	1.846	2.833	2.9	19.4
11 7	2 21.77	+ 6 18.1	1.858	2.835	4.2	19.5
11 17	2 13.58	+ 6 20.6	1.899	2.838	7.6	19.7
11 27	2 6.89	+ 6 33.8	1.965	2.840	11.1	19.9
12 7	2 2.28	+ 6 58.8	2.055	2.843	14.0	20.1

99699 2002 JD_{34} 11 1.3 51°.44 0°.5/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.28	+19 23.2	2.114	2.949	12.8	19.2
10 8	2 43.78	+18 38.5	2.043	2.954	9.6	19.0
10 18	2 37.49	+17 41.4	1.995	2.959	5.9	18.8
10 28	2 30.08	+16 35.0	1.974	2.964	2.0	18.6
11 7	2 22.44	+15 24.2	1.983	2.970	2.2	18.6
11 17	2 15.42	+14 15.0	2.021	2.975	6.0	18.9
11 27	2 9.81	+13 13.1	2.086	2.981	9.6	19.1
12 7	2 6.13	+12 23.1	2.176	2.987	12.6	19.3

285981 2001 RZ_{144} 11 1.3 23°.29 2°.6/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.92	+24 17.3	1.536	2.372	16.6	19.6
10 8	2 44.90	+23 48.5	1.472	2.379	12.8	19.4
10 18	2 38.42	+22 59.5	1.429	2.387	8.5	19.2
10 28	2 30.40	+21 52.6	1.411	2.396	4.1	18.9
11 7	2 22.05	+20 33.6	1.419	2.405	3.2	18.9
11 17	2 14.60	+19 10.8	1.454	2.415	7.2	19.2
11 27	2 9.11	+17 53.2	1.515	2.425	11.4	19.4
12 7	2 6.20	+16 48.2	1.598	2.436	15.1	19.7

268735 2006 KY_{53} 11 1.3 276°.54 1°.1/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.07	+21 31.5	2.457	3.277	11.6	20.6
10 8	2 43.58	+20 48.8	2.357	3.259	8.9	20.4
10 18	2 37.39	+19 52.8	2.281	3.240	5.7	20.2
10 28	2 30.08	+18 45.2	2.233	3.221	2.3	19.9
11 7	2 22.39	+17 30.3	2.215	3.202	2.0	19.9
11 17	2 15.13	+16 13.1	2.227	3.182	5.5	20.1
11 27	2 9.06	+14 59.7	2.268	3.163	8.9	20.3
12 7	2 4.75	+13 55.4	2.335	3.143	11.9	20.4

303599 2005 HB_{6} 11 1.3 52°.10 4°.2/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.85	+ 5 11.0	1.809	2.670	13.4	20.3
10 8	2 45.85	+ 4 22.1	1.747	2.672	10.0	20.1
10 18	2 38.81	+ 3 32.1	1.709	2.675	6.5	19.9
10 28	2 30.50	+ 2 46.6	1.697	2.678	4.2	19.8
11 7	2 21.90	+ 2 11.3	1.713	2.681	5.7	19.9
11 17	2 14.01	+ 1 50.5	1.757	2.684	9.0	20.1
11 27	2 7.71	+ 1 46.9	1.825	2.687	12.4	20.3
12 7	2 3.60	+ 2 0.9	1.915	2.691	15.4	20.5

509379 2007 BF_{79} 11 1.3 250°.23 1°.0/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.87	+19 4.6	1.726	2.562	15.1	22.3
10 8	2 48.55	+18 48.1	1.639	2.551	11.5	22.0
10 18	2 40.72	+18 17.8	1.575	2.538	7.3	21.7
10 28	2 31.16	+17 35.4	1.536	2.526	2.7	21.4
11 7	2 20.98	+16 44.9	1.526	2.513	2.7	21.4
11 17	2 11.44	+15 52.4	1.543	2.499	7.4	21.7
11 27	2 3.70	+15 5.0	1.587	2.486	11.8	21.9
12 7	1 58.54	+14 28.5	1.654	2.472	15.6	22.1

457882 2009 SH_{327} 11 1.3 9°.21 6°.1/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.04	+32 53.0	1.752	2.545	16.7	20.4
10 8	2 45.02	+33 0.9	1.679	2.547	13.8	20.2
10 18	2 38.55	+32 45.2	1.626	2.550	10.5	20.1
10 28	2 30.46	+32 4.7	1.595	2.553	7.5	19.9
11 7	2 21.95	+31 1.8	1.591	2.558	6.1	19.8
11 17	2 14.25	+29 42.3	1.612	2.563	7.7	19.9
11 27	2 8.44	+28 15.4	1.660	2.569	10.7	20.1
12 7	2 5.21	+26 50.5	1.731	2.576	13.8	20.3

391144 2005 YB_{62} 11 1.3 11°.18 0°.9/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.09	+13 47.2	1.096	1.977	18.7	19.9
10 8	2 46.44	+13 37.1	1.043	1.979	14.0	19.7
10 18	2 39.66	+13 16.1	1.009	1.983	8.5	19.4
10 28	2 30.83	+12 48.3	0.998	1.989	2.6	19.1
11 7	2 21.52	+12 20.1	1.010	1.996	3.8	19.2
11 17	2 13.33	+11 58.1	1.046	2.004	9.6	19.5
11 27	2 7.62	+11 48.4	1.104	2.014	14.7	19.9
12 7	2 5.12	+11 54.3	1.181	2.025	18.9	20.2

293968 2007 TD_{51} 11 1.3 12°.00 0°.2/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.02	+16 41.4	1.551	2.406	15.5	20.2
10 8	2 45.67	+16 7.1	1.485	2.408	11.6	20.0
10 18	2 38.90	+15 19.9	1.440	2.409	7.1	19.7
10 28	2 30.58	+14 23.6	1.420	2.412	2.1	19.4
11 7	2 21.87	+13 24.3	1.428	2.414	2.9	19.5
11 17	2 13.98	+12 29.0	1.462	2.417	7.8	19.8
11 27	2 7.96	+11 44.4	1.522	2.421	12.1	20.1
12 7	2 4.47	+11 15.0	1.603	2.425	15.8	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
325745 2009 WG_4		11 1.3 173°.61 2°.7/29.9 18				
	h m	° ′			°	m
9 28	2 51.12	+ 5 13.0	2.694	3.536	10.1	20.9
10 8	2 45.47	+ 4 55.2	2.622	3.538	7.5	20.8
10 18	2 38.38	+ 4 37.4	2.576	3.539	4.8	20.6
10 28	2 30.38	+ 4 22.3	2.558	3.541	2.8	20.5
11 7	2 22.14	+ 4 12.9	2.571	3.542	3.8	20.6
11 17	2 14.37	+ 4 11.3	2.614	3.542	6.4	20.7
11 27	2 7.71	+ 4 19.5	2.685	3.542	9.1	20.9
12 7	2 2.62	+ 4 37.9	2.780	3.543	11.4	21.1
15760 Albion		11 1.3 33°.90 0°.0/ 1.8 13 C				
9 28	2 29.40	+16 14.9	40.612	41.434	0.8	23.4
10 8	2 28.71	+16 11.9	40.529	41.435	0.6	23.3
10 18	2 27.95	+16 8.4	40.474	41.437	0.4	23.3
10 28	2 27.15	+16 4.6	40.448	41.438	0.1	23.3
11 7	2 26.33	+16 0.8	40.452	41.439	0.1	23.3
11 17	2 25.53	+15 56.9	40.487	41.440	0.4	23.3
11 27	2 24.79	+15 53.1	40.551	41.441	0.6	23.3
12 7	2 24.12	+15 49.7	40.643	41.443	0.8	23.4
259994 2004 FA_{83}		11 1.4 32°.81 2°.2/30.9 18				
9 28	2 52.46	+ 9 22.5	1.863	2.716	13.4	20.2
10 8	2 47.08	+ 9 2.9	1.794	2.717	9.9	20.0
10 18	2 39.62	+ 8 39.6	1.749	2.718	6.1	19.8
10 28	2 30.80	+ 8 16.0	1.730	2.719	2.6	19.5
11 7	2 21.63	+ 7 56.3	1.740	2.720	3.9	19.6
11 17	2 13.14	+ 7 44.5	1.778	2.721	7.7	19.9
11 27	2 6.25	+ 7 43.7	1.842	2.723	11.4	20.1
12 7	2 1.58	+ 7 55.5	1.929	2.724	14.6	20.3
40804 1999 TQ_{40}		11 1.4 214°.09 6°.0/26.5 18				
9 28	2 50.12	+ 1 3.9	2.069	2.926	12.1	18.4
10 8	2 45.15	− 0 37.8	2.001	2.920	9.3	18.3
10 18	2 38.36	− 2 19.8	1.959	2.913	6.9	18.1
10 28	2 30.41	− 3 54.2	1.945	2.907	6.0	18.0
11 7	2 22.15	− 5 13.5	1.959	2.899	7.5	18.1
11 17	2 14.45	− 6 12.2	2.001	2.892	10.2	18.3
11 27	2 8.13	− 6 47.2	2.067	2.884	13.0	18.4
12 7	2 3.76	− 6 58.5	2.154	2.875	15.5	18.6
620 Drakonia		11 1.4 50°.47 4°.0/ 3.6 18 R				
9 28	2 56.86	+23 25.0	1.385	2.218	18.2	14.7
10 8	2 51.13	+23 57.9	1.327	2.231	14.2	14.4
10 18	2 42.40	+24 13.3	1.290	2.244	9.7	14.2
10 28	2 31.70	+24 9.8	1.276	2.257	5.3	14.0
11 7	2 20.54	+23 49.7	1.288	2.270	4.4	14.0
11 17	2 10.49	+23 18.3	1.326	2.284	8.1	14.3
11 27	2 2.85	+22 43.8	1.390	2.298	12.4	14.5
12 7	1 58.37	+22 13.8	1.475	2.313	16.1	14.8
422197 2014 RT_{43}		11 1.4 71°.79 1°.6/30.7 18				
9 28	2 47.56	+14 7.4	2.243	3.089	11.7	20.4
10 8	2 43.07	+12 47.5	2.179	3.099	8.6	20.2
10 18	2 36.99	+11 18.9	2.140	3.110	5.1	20.0
10 28	2 29.98	+ 9 46.6	2.131	3.121	1.9	19.8
11 7	2 22.80	+ 8 17.1	2.151	3.131	3.2	20.0
11 17	2 16.23	+ 6 56.3	2.201	3.142	6.6	20.2
11 27	2 10.96	+ 5 49.2	2.279	3.153	9.8	20.4
12 7	2 7.43	+ 4 58.8	2.381	3.163	12.5	20.6
236122 2005 SQ_{151}		11 1.4 329°.63 2°.1/31.0 18				
9 28	2 50.01	+12 43.4	1.318	2.190	16.7	20.4
10 8	2 46.13	+11 59.1	1.247	2.180	12.5	20.1
10 18	2 39.44	+11 3.4	1.197	2.170	7.6	19.8
10 28	2 30.84	+10 2.1	1.171	2.162	2.7	19.5
11 7	2 21.64	+ 9 2.8	1.170	2.153	4.5	19.6
11 17	2 13.25	+ 8 13.7	1.195	2.146	9.7	19.9
11 27	2 6.97	+ 7 41.7	1.243	2.139	14.5	20.1
12 7	2 3.58	+ 7 30.2	1.310	2.133	18.7	20.4
58777 1998 FN_{65}		11 1.4 128°.18 0°.8/31.6 18				
9 28	2 49.39	+15 14.3	2.254	3.094	11.9	19.6
10 8	2 44.47	+14 22.7	2.185	3.101	8.8	19.5
10 18	2 37.87	+13 22.1	2.140	3.108	5.3	19.2
10 28	2 30.26	+12 16.5	2.124	3.115	1.6	19.0
11 7	2 22.44	+11 10.8	2.138	3.122	2.6	19.1
11 17	2 15.22	+10 10.1	2.181	3.129	6.2	19.4
11 27	2 9.32	+ 9 19.3	2.253	3.135	9.5	19.6
12 7	2 5.25	+ 8 41.6	2.348	3.141	12.4	19.8
394152 2006 ON_{21}		11 1.4 20°.77 1°.4/ 1.7 18				
9 28	3 1.56	+12 26.9	1.136	1.998	19.5	19.1
10 8	2 54.92	+14 1.1	1.089	2.014	14.6	18.8
10 18	2 44.83	+15 31.4	1.062	2.031	9.1	18.6
10 28	2 32.48	+16 54.4	1.060	2.050	3.2	18.3
11 7	2 19.67	+18 7.5	1.084	2.071	3.5	18.4
11 17	2 8.22	+19 10.5	1.134	2.093	9.0	18.8
11 27	1 59.64	+20 6.3	1.208	2.117	13.9	19.1
12 7	1 54.71	+20 59.1	1.304	2.142	17.8	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
423154 2004 ED_{77}		11 1.4 151°.65 0°.1/ 1.4 16				
	h m	° ′			°	m
9 28	2 55.92	+16 32.9	1.911	2.744	14.0	22.0
10 8	2 49.61	+16 13.7	1.842	2.753	10.4	21.8
10 18	2 41.14	+15 44.4	1.796	2.761	6.4	21.6
10 28	2 31.30	+15 7.4	1.778	2.769	2.0	21.3
11 7	2 21.14	+14 26.8	1.789	2.776	2.5	21.4
11 17	2 11.76	+13 47.5	1.830	2.782	6.8	21.6
11 27	2 4.09	+13 14.9	1.897	2.787	10.6	21.9
12 7	1 58.76	+12 52.7	1.989	2.792	13.9	22.1
258768 2002 JR_{28}		11 1.4 120°.63 0°.2/ 1.2 17				
9 28	2 56.42	+16 49.4	1.662	2.502	15.4	21.3
10 8	2 50.11	+16 12.0	1.603	2.518	11.5	21.1
10 18	2 41.45	+15 22.5	1.568	2.535	7.0	20.9
10 28	2 31.38	+14 24.6	1.559	2.550	2.1	20.6
11 7	2 21.09	+13 24.3	1.579	2.565	2.8	20.7
11 17	2 11.78	+12 28.1	1.628	2.580	7.5	21.1
11 27	2 4.44	+11 42.3	1.703	2.593	11.6	21.3
12 7	1 59.68	+11 10.9	1.800	2.606	15.0	21.6
117686 2005 EU_{251}		11 1.4 92°.28 6°.2/27.9 18				
9 28	2 53.52	− 2 2.5	1.957	2.808	13.0	19.2
10 8	2 47.50	− 2 54.9	1.915	2.828	10.0	19.0
10 18	2 39.66	− 3 41.4	1.898	2.848	7.4	18.9
10 28	2 30.80	− 4 16.1	1.907	2.868	6.2	18.9
11 7	2 21.84	− 4 34.4	1.944	2.888	7.4	19.0
11 17	2 13.70	− 4 34.0	2.009	2.907	9.8	19.2
11 27	2 7.14	− 4 14.5	2.098	2.925	12.4	19.4
12 7	2 2.65	− 3 37.6	2.208	2.944	14.8	19.6
311779 2006 UP_{42}		11 1.4 3°.48 1°.0/31.8 18				
9 28	2 52.08	+12 29.3	1.595	2.453	15.0	20.7
10 8	2 47.18	+12 26.9	1.528	2.453	11.2	20.5
10 18	2 39.86	+12 18.0	1.482	2.453	6.8	20.2
10 28	2 30.94	+12 5.4	1.462	2.454	2.1	19.9
11 7	2 21.58	+11 52.8	1.470	2.455	3.2	20.0
11 17	2 12.97	+11 44.4	1.504	2.457	7.9	20.3
11 27	2 6.21	+11 44.3	1.563	2.459	12.1	20.6
12 7	2 1.99	+11 55.1	1.645	2.462	15.7	20.8
214007 2004 CO_{13}		11 1.4 250°.16 1°.7/31.1 18				
9 28	2 51.02	+11 51.2	1.902	2.753	13.3	20.6
10 8	2 46.03	+11 16.6	1.829	2.752	9.8	20.3
10 18	2 39.00	+10 35.1	1.780	2.750	5.9	20.1
10 28	2 30.66	+ 9 50.6	1.758	2.748	2.2	19.9
11 7	2 21.95	+ 9 8.3	1.764	2.746	3.5	20.0
11 17	2 13.88	+ 8 32.9	1.798	2.744	7.5	20.2
11 27	2 7.36	+ 8 9.0	1.859	2.742	11.2	20.4
12 7	2 2.99	+ 7 59.0	1.943	2.740	14.4	20.6
28578 2000 EE_{97}		11 1.4 133°.57 3°.5/ 3.8 18				
9 28	2 55.96	+24 46.3	1.712	2.528	16.1	18.7
10 8	2 50.07	+24 52.6	1.641	2.535	12.6	18.4
10 18	2 41.61	+24 41.6	1.592	2.541	8.6	18.2
10 28	2 31.48	+24 13.0	1.568	2.547	4.7	18.0
11 7	2 20.92	+23 29.7	1.571	2.553	3.8	18.0
11 17	2 11.21	+22 37.4	1.602	2.559	7.1	18.2
11 27	2 3.49	+21 43.7	1.660	2.564	11.0	18.4
12 7	1 58.48	+20 55.8	1.742	2.569	14.5	18.7
70675 1999 TY_{321}		11 1.4 173°.71 4°.6/ 4.4 18				
9 28	2 58.03	+26 54.7	2.016	2.809	14.8	18.9
10 8	2 51.48	+27 36.2	1.935	2.811	11.8	18.7
10 18	2 42.47	+28 2.9	1.877	2.812	8.6	18.5
10 28	2 31.77	+28 12.5	1.845	2.813	5.6	18.3
11 7	2 20.49	+28 5.3	1.841	2.814	4.7	18.3
11 17	2 9.86	+27 44.2	1.866	2.814	7.0	18.4
11 27	2 1.00	+27 14.9	1.918	2.814	10.2	18.6
12 7	1 54.67	+26 44.1	1.995	2.814	13.3	18.8
286839 2002 NF_{53}		11 1.4 116°.56 5°.9/ 6.8 18				
9 28	2 57.06	+34 26.6	2.205	2.959	14.8	21.2
10 8	2 50.47	+34 43.8	2.137	2.978	12.3	21.1
10 18	2 41.66	+34 40.8	2.090	2.996	9.5	20.9
10 28	2 31.47	+34 15.8	2.068	3.013	7.0	20.8
11 7	2 21.00	+33 30.3	2.074	3.030	5.9	20.8
11 17	2 11.37	+32 28.8	2.108	3.047	7.0	20.9
11 27	2 3.54	+31 18.4	2.171	3.063	9.4	21.0
12 7	1 58.12	+30 6.8	2.258	3.078	11.9	21.2
407554 2010 XM_{30}		11 1.4 256°.72 3°.6/29.7 18				
9 28	2 51.78	+ 4 13.8	2.155	3.006	11.9	21.3
10 8	2 46.34	+ 3 50.3	2.084	3.004	8.9	21.1
10 18	2 39.09	+ 3 27.3	2.038	3.003	5.8	20.9
10 28	2 30.68	+ 3 8.7	2.020	3.001	3.7	20.8
11 7	2 21.97	+ 2 58.2	2.031	2.999	4.9	20.8
11 17	2 13.82	+ 2 58.8	2.070	2.997	7.9	21.0
11 27	2 7.04	+ 3 12.2	2.135	2.996	11.0	21.2
12 7	2 2.19	+ 3 38.8	2.223	2.994	13.7	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
193117 2000 GX_{174}		11 1.4 248.°82 0.°2/ 1.2 17				
	h m	° ′			°	m
9 28	2 48.84	+15 41.2	2.598	3.431	10.7	21.0
10 8	2 44.03	+15 17.3	2.509	3.421	8.0	20.8
10 18	2 37.65	+14 46.0	2.444	3.410	4.9	20.6
10 28	2 30.25	+14 9.2	2.408	3.399	1.5	20.4
11 7	2 22.52	+13 30.2	2.402	3.388	2.0	20.4
11 17	2 15.20	+12 52.6	2.426	3.377	5.5	20.6
11 27	2 8.98	+12 20.4	2.479	3.365	8.6	20.8
12 7	2 4.40	+11 56.6	2.556	3.354	11.3	21.0
30039 Jameier		11 1.4 145.°72 1.°1/31.6 18				
9 28	2 55.46	+13 14.9	1.802	2.646	14.2	20.5
10 8	2 49.35	+12 49.7	1.736	2.654	10.5	20.3
10 18	2 41.02	+12 16.6	1.694	2.662	6.3	20.1
10 28	2 31.29	+11 39.1	1.678	2.669	2.0	19.8
11 7	2 21.24	+11 1.8	1.692	2.676	3.2	19.9
11 17	2 11.99	+10 29.8	1.734	2.682	7.5	20.2
11 27	2 4.51	+10 7.6	1.802	2.687	11.4	20.4
12 7	1 59.42	+ 9 58.1	1.894	2.693	14.7	20.7
469901 2005 WA_{89}		11 1.4 355.°43 2.°1/ 2.2 18				
9 28	2 50.53	+17 27.8	1.037	1.914	19.8	20.0
10 8	2 47.28	+18 4.3	0.974	1.906	15.2	19.7
10 18	2 40.53	+18 28.0	0.930	1.900	9.8	19.4
10 28	2 31.28	+18 38.5	0.907	1.896	4.0	19.0
11 7	2 21.19	+18 38.4	0.907	1.894	3.7	19.0
11 17	2 12.11	+18 32.6	0.930	1.894	9.5	19.4
11 27	2 5.70	+18 28.3	0.974	1.895	15.0	19.7
12 7	2 2.92	+18 31.9	1.037	1.898	19.6	20.0
248859 2006 TK_{105}		11 1.4 227.°20 0.°9/31.8 18				
9 28	2 52.12	+13 12.5	1.973	2.818	13.1	20.9
10 8	2 46.81	+12 57.0	1.899	2.817	9.7	20.7
10 18	2 39.48	+12 34.8	1.848	2.817	5.9	20.4
10 28	2 30.84	+12 8.5	1.825	2.816	1.8	20.2
11 7	2 21.82	+11 41.8	1.830	2.815	2.8	20.3
11 17	2 13.41	+11 19.0	1.864	2.814	6.9	20.5
11 27	2 6.53	+11 4.0	1.925	2.813	10.6	20.7
12 7	2 1.80	+10 59.7	2.009	2.812	13.8	21.0
221476 2006 BO_{191}		11 1.4 182.°29 0.°1/ 1.5 18				
9 28	2 50.18	+16 27.5	2.460	3.291	11.3	21.4
10 8	2 45.04	+16 9.3	2.381	3.291	8.4	21.3
10 18	2 38.27	+15 43.2	2.327	3.291	5.2	21.0
10 28	2 30.45	+15 11.0	2.301	3.291	1.6	20.8
11 7	2 22.34	+14 36.1	2.304	3.291	2.0	20.8
11 17	2 14.72	+14 2.0	2.338	3.290	5.5	21.1
11 27	2 8.33	+13 32.6	2.400	3.289	8.7	21.3
12 7	2 3.68	+13 11.3	2.487	3.288	11.5	21.5
166265 2002 GM_{83}		11 1.4 112.°00 2.°8/29.8 18				
9 28	2 50.09	+ 6 46.4	2.387	3.235	11.0	20.3
10 8	2 44.84	+ 6 8.4	2.327	3.247	8.1	20.2
10 18	2 38.06	+ 5 28.8	2.292	3.258	5.1	20.0
10 28	2 30.36	+ 4 51.5	2.286	3.269	2.9	19.9
11 7	2 22.48	+ 4 20.4	2.309	3.280	4.1	20.0
11 17	2 15.17	+ 3 58.8	2.361	3.291	6.9	20.2
11 27	2 9.10	+ 3 49.0	2.440	3.301	9.7	20.4
12 7	2 4.74	+ 3 52.0	2.543	3.312	12.2	20.6
395079 2009 HJ_{50}		11 1.4 74.°02 0.°5/ 1.0 18				
9 28	2 52.79	+14 13.4	1.855	2.701	13.8	21.1
10 8	2 47.37	+14 1.2	1.789	2.707	10.3	20.9
10 18	2 39.82	+13 41.2	1.746	2.714	6.2	20.7
10 28	2 30.94	+13 16.0	1.730	2.721	1.9	20.4
11 7	2 21.73	+12 49.6	1.742	2.728	2.7	20.5
11 17	2 13.25	+12 26.1	1.783	2.735	6.9	20.8
11 27	2 6.42	+12 10.0	1.850	2.741	10.8	21.0
12 7	2 1.85	+12 4.2	1.940	2.748	14.0	21.2
266648 2008 SX_{260}		11 1.4 350.°66 0.°5/ 2.1 18				
9 28	2 43.59	+17 46.5	4.026	4.847	7.5	20.3
10 8	2 39.67	+17 39.7	3.942	4.845	5.6	20.2
10 18	2 34.81	+17 27.8	3.883	4.844	3.5	20.0
10 28	2 29.37	+17 11.8	3.854	4.843	1.3	19.8
11 7	2 23.75	+16 53.2	3.855	4.841	1.2	19.8
11 17	2 18.39	+16 34.1	3.887	4.840	3.5	20.0
11 27	2 13.70	+16 16.3	3.948	4.839	5.6	20.2
12 7	2 10.01	+16 2.0	4.036	4.839	7.4	20.3
119155 2001 QJ_{7}		11 1.4 21.°08 4.°9/ 4.1 18				
9 28	2 52.11	+25 7.2	1.118	1.969	20.6	19.1
10 8	2 48.17	+25 34.1	1.065	1.977	16.2	18.9
10 18	2 40.87	+25 37.7	1.030	1.986	11.3	18.7
10 28	2 31.34	+25 17.0	1.016	1.997	6.5	18.4
11 7	2 21.28	+24 35.5	1.026	2.008	5.2	18.4
11 17	2 12.46	+23 41.3	1.059	2.021	9.0	18.7
11 27	2 6.34	+22 45.1	1.115	2.035	13.6	19.0
12 7	2 3.67	+21 56.7	1.192	2.050	17.8	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
140684 2001 UW_{54}		11 1.4 8.°78 1.°8/ 2.8 18				
	h m	° ′			°	m
9 28	2 47.87	+22 29.8	1.501	2.347	16.5	19.3
10 8	2 44.25	+21 52.4	1.434	2.348	12.6	19.1
10 18	2 38.15	+20 55.6	1.388	2.350	8.2	18.8
10 28	2 30.47	+19 42.2	1.366	2.354	3.5	18.6
11 7	2 22.41	+18 18.9	1.371	2.358	2.8	18.5
11 17	2 15.19	+16 54.1	1.402	2.362	7.4	18.8
11 27	2 9.89	+15 37.1	1.458	2.368	11.8	19.1
12 7	2 7.17	+14 34.9	1.537	2.374	15.6	19.4
223539 2004 EX_{25}		11 1.4 71.°00 2.°8/ 3.2 18				
9 28	2 56.18	+22 46.7	1.426	2.260	17.8	20.4
10 8	2 50.42	+22 45.3	1.372	2.278	13.7	20.2
10 18	2 41.87	+22 25.7	1.338	2.296	9.0	19.9
10 28	2 31.60	+21 48.9	1.329	2.314	4.3	19.7
11 7	2 21.05	+20 59.5	1.346	2.332	3.5	19.7
11 17	2 11.64	+20 4.5	1.391	2.350	7.7	20.0
11 27	2 4.54	+19 12.4	1.460	2.367	12.0	20.3
12 7	2 0.39	+18 30.1	1.552	2.385	15.7	20.6
279523 2011 BK_{27}		11 1.4 200.°91 1.°5/ 2.9 17				
9 28	2 49.43	+21 49.0	2.788	3.598	10.7	22.0
10 8	2 44.39	+21 37.1	2.701	3.596	8.2	21.8
10 18	2 37.85	+21 15.1	2.639	3.593	5.4	21.6
10 28	2 30.35	+20 43.9	2.605	3.589	2.5	21.4
11 7	2 22.56	+20 5.9	2.601	3.586	2.0	21.4
11 17	2 15.20	+19 24.5	2.627	3.582	4.8	21.6
11 27	2 8.93	+18 43.9	2.683	3.578	7.7	21.8
12 7	2 4.25	+18 7.7	2.764	3.574	10.2	21.9
15219 1981 EY_{42}		11 1.4 174.°75 0.°0/ 1.2 18				
9 28	2 54.36	+16 38.2	1.896	2.732	13.9	20.4
10 8	2 48.56	+16 10.7	1.821	2.734	10.4	20.2
10 18	2 40.59	+15 32.4	1.771	2.736	6.4	19.9
10 28	2 31.22	+14 46.0	1.747	2.738	2.0	19.6
11 7	2 21.48	+13 56.2	1.752	2.738	2.6	19.7
11 17	2 12.45	+13 8.3	1.787	2.739	6.9	20.0
11 27	2 5.09	+12 28.2	1.848	2.738	10.8	20.2
12 7	2 0.04	+11 59.8	1.933	2.738	14.2	20.4
114705 2003 FP_{124}		11 1.4 115.°26 2.°3/30.3 18				
9 28	2 49.10	+10 43.6	2.162	3.013	11.9	19.7
10 8	2 44.32	+ 9 44.3	2.097	3.019	8.8	19.5
10 18	2 37.85	+ 8 39.2	2.056	3.025	5.3	19.3
10 28	2 30.34	+ 7 33.0	2.044	3.031	2.4	19.1
11 7	2 22.62	+ 6 31.3	2.060	3.037	3.8	19.2
11 17	2 15.49	+ 5 38.9	2.106	3.043	7.1	19.5
11 27	2 9.71	+ 5 0.0	2.179	3.049	10.3	19.7
12 7	2 5.76	+ 4 36.6	2.274	3.055	13.1	19.9
89024 2001 TP_{99}		11 1.4 194.°58 1.°7/ 3.0 18				
9 28	2 51.42	+22 31.7	2.473	3.284	11.9	20.4
10 8	2 46.03	+22 11.1	2.387	3.282	9.1	20.2
10 18	2 38.92	+21 38.1	2.326	3.279	6.0	20.0
10 28	2 30.69	+20 54.0	2.292	3.276	2.8	19.8
11 7	2 22.15	+20 1.8	2.287	3.273	2.2	19.7
11 17	2 14.12	+19 5.8	2.313	3.269	5.3	19.9
11 27	2 7.38	+18 11.3	2.368	3.264	8.5	20.1
12 7	2 2.47	+17 23.1	2.449	3.259	11.4	20.3
400688 2009 QS_{34}		11 1.4 54.°13 8.°1/ 9.2 18				
9 28	2 55.40	+39 28.7	1.960	2.698	16.9	19.8
10 8	2 49.62	+40 1.8	1.902	2.721	14.4	19.7
10 18	2 41.31	+40 9.9	1.863	2.745	11.8	19.6
10 28	2 31.43	+39 50.2	1.847	2.768	9.4	19.5
11 7	2 21.26	+39 3.6	1.856	2.792	8.2	19.4
11 17	2 12.10	+37 55.1	1.891	2.816	8.7	19.5
11 27	2 5.01	+36 33.0	1.952	2.840	10.5	19.7
12 7	2 0.63	+35 6.9	2.037	2.864	12.7	19.9
324244 2006 BJ_{162}		11 1.4 206.°50 0.°0/ 1.3 17				
9 28	2 49.62	+15 56.4	2.650	3.481	10.6	21.9
10 8	2 44.56	+15 35.0	2.567	3.477	7.9	21.7
10 18	2 37.96	+15 6.3	2.508	3.473	4.8	21.5
10 28	2 30.39	+14 32.3	2.478	3.468	1.5	21.3
11 7	2 22.53	+13 56.0	2.478	3.464	2.0	21.3
11 17	2 15.10	+13 20.9	2.508	3.459	5.3	21.5
11 27	2 8.79	+12 50.7	2.567	3.453	8.3	21.7
12 7	2 4.09	+12 28.3	2.651	3.448	11.0	21.9
118523 2000 EW_{22}		11 1.4 130.°12 3.°0/ 3.6 18				
9 28	2 57.20	+24 23.1	1.852	2.663	15.3	20.5
10 8	2 50.75	+24 24.2	1.785	2.676	11.9	20.3
10 18	2 41.93	+24 9.0	1.740	2.689	8.0	20.1
10 28	2 31.63	+23 37.8	1.721	2.701	4.3	19.9
11 7	2 21.00	+22 53.7	1.731	2.713	3.4	19.9
11 17	2 11.24	+22 2.0	1.769	2.724	6.7	20.1
11 27	2 3.39	+21 9.8	1.835	2.735	10.4	20.4
12 7	1 58.07	+20 23.6	1.925	2.745	13.6	20.6

224723 2006 BW_{190} 11 1.4 297°.60 3°.4/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 48.44	+ 6 34.4	2.119	2.976	11.9	20.3
10 8	2 44.02	+ 5 45.7	2.038	2.962	8.9	20.1
10 18	2 37.80	+ 4 54.0	1.981	2.948	5.7	19.9
10 28	2 30.37	+ 4 4.1	1.952	2.935	3.5	19.7
11 7	2 22.56	+ 3 21.2	1.951	2.921	4.9	19.8
11 17	2 15.22	+ 2 49.8	1.978	2.907	8.1	20.0
11 27	2 9.17	+ 2 33.3	2.031	2.894	11.3	20.1
12 7	2 5.01	+ 2 33.1	2.106	2.881	14.2	20.3

326565 2002 PN_{180} 11 1.4 92°.66 7°.2/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.39	+39 45.0	2.482	3.201	14.2	21.0
10 8	2 48.58	+40 19.9	2.406	3.211	12.2	20.9
10 18	2 40.61	+40 34.7	2.350	3.221	10.1	20.7
10 28	2 31.24	+40 26.8	2.318	3.230	8.2	20.6
11 7	2 21.47	+39 56.0	2.311	3.240	7.3	20.6
11 17	2 12.36	+39 5.5	2.332	3.249	7.7	20.6
11 27	2 4.89	+38 1.1	2.380	3.258	9.3	20.8
12 7	1 59.69	+36 50.2	2.453	3.268	11.2	20.9

230216 2001 TL_{48} 11 1.4 334°.51 1°.4/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.74	+13 45.2	1.274	2.146	17.2	20.2
10 8	2 46.09	+13 14.3	1.202	2.134	12.9	19.9
10 18	2 39.55	+12 31.5	1.150	2.123	7.8	19.6
10 28	2 30.99	+11 41.4	1.122	2.113	2.5	19.2
11 7	2 21.76	+10 51.0	1.119	2.104	4.0	19.3
11 17	2 13.34	+10 8.2	1.140	2.095	9.5	19.6
11 27	2 7.07	+ 9 40.0	1.185	2.088	14.5	19.9
12 7	2 3.80	+ 9 30.5	1.249	2.081	18.8	20.1

304950 2007 TA_{31} 11 1.4 41°.96 0°.5/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.52	+18 0.3	1.721	2.568	14.6	20.6
10 8	2 45.10	+16 48.3	1.652	2.571	10.9	20.4
10 18	2 38.53	+15 21.1	1.606	2.574	6.6	20.2
10 28	2 30.60	+13 44.0	1.586	2.577	2.0	19.9
11 7	2 22.37	+12 4.8	1.595	2.581	3.0	20.0
11 17	2 14.92	+10 31.9	1.633	2.584	7.5	20.3
11 27	2 9.17	+ 9 13.2	1.697	2.588	11.6	20.5
12 7	2 5.72	+ 8 13.4	1.783	2.592	15.0	20.8

53558 2000 CR_{17} 11 1.4 96°.06 1°.1/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.62	+14 27.9	1.604	2.452	15.5	18.8
10 8	2 49.54	+13 47.3	1.552	2.472	11.4	18.6
10 18	2 41.15	+12 56.9	1.523	2.492	6.8	18.4
10 28	2 31.38	+12 1.2	1.521	2.512	2.1	18.2
11 7	2 21.45	+11 6.4	1.547	2.532	3.3	18.3
11 17	2 12.53	+10 18.7	1.601	2.550	7.8	18.6
11 27	2 5.61	+ 9 43.5	1.681	2.569	11.9	18.9
12 7	2 1.22	+ 9 23.7	1.783	2.587	15.2	19.2

421476 2014 OC_{41} 11 1.4 42°.57 4°.0/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.41	+ 4 35.2	1.990	2.848	12.5	20.7
10 8	2 45.43	+ 3 55.2	1.928	2.851	9.3	20.5
10 18	2 38.60	+ 3 14.9	1.890	2.855	6.1	20.3
10 28	2 30.61	+ 2 39.4	1.879	2.859	4.0	20.2
11 7	2 22.36	+ 2 13.1	1.895	2.863	5.3	20.3
11 17	2 14.74	+ 1 59.9	1.940	2.867	8.4	20.5
11 27	2 8.58	+ 2 2.0	2.010	2.871	11.5	20.7
12 7	2 4.40	+ 2 19.5	2.103	2.875	14.3	20.9

484999 2009 VT_{35} 11 1.4 287°.49 2°.4/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.95	+24 48.0	2.298	3.108	12.7	21.2
10 8	2 44.40	+24 27.4	2.209	3.101	9.9	21.0
10 18	2 38.03	+23 52.1	2.143	3.093	6.7	20.8
10 28	2 30.46	+23 3.0	2.105	3.085	3.5	20.6
11 7	2 22.52	+22 3.2	2.094	3.078	2.7	20.5
11 17	2 15.10	+20 57.6	2.114	3.071	5.6	20.7
11 27	2 9.02	+19 52.3	2.161	3.063	8.9	20.9
12 7	2 4.85	+18 53.0	2.234	3.056	11.9	21.1

483145 2015 OR_{50} 11 1.4 45°.19 8°.0/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.07	− 5 23.1	1.654	2.509	14.7	20.6
10 8	2 48.34	− 6 6.8	1.607	2.518	11.7	20.4
10 18	2 40.42	− 6 40.5	1.581	2.526	9.1	20.3
10 28	2 31.18	− 6 57.5	1.581	2.535	8.0	20.3
11 7	2 21.72	− 6 52.8	1.607	2.544	9.2	20.4
11 17	2 13.15	− 6 24.9	1.658	2.553	11.7	20.5
11 27	2 6.41	− 5 34.7	1.733	2.563	14.5	20.8
12 7	2 2.06	− 4 25.5	1.828	2.573	17.1	21.0

153190 2000 UU_{89} 11 1.4 310°.84 2°.9/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.31	+10 43.5	1.858	2.719	13.1	19.2
10 8	2 43.46	+ 9 30.1	1.774	2.702	9.7	18.9
10 18	2 37.58	+ 8 7.7	1.715	2.686	6.0	18.7
10 28	2 30.36	+ 6 42.3	1.683	2.670	3.0	18.5
11 7	2 22.69	+ 5 21.1	1.679	2.654	4.7	18.5
11 17	2 15.55	+ 4 11.3	1.702	2.639	8.6	18.7
11 27	2 9.86	+ 3 18.9	1.751	2.624	12.3	18.9
12 7	2 6.27	+ 2 46.7	1.822	2.610	15.6	19.1

488454 1995 DC_{9} 11 1.4 255°.64 6°.1/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 55.17	+35 4.8	2.665	3.406	12.9	22.6
10 8	2 49.19	+35 46.2	2.562	3.390	10.9	22.5
10 18	2 41.09	+36 12.0	2.480	3.374	8.7	22.3
10 28	2 31.47	+36 19.4	2.424	3.357	6.8	22.2
11 7	2 21.22	+36 7.6	2.396	3.340	6.1	22.1
11 17	2 11.33	+35 38.3	2.396	3.323	7.0	22.1
11 27	2 2.78	+34 56.2	2.424	3.306	9.0	22.2
12 7	1 56.31	+34 7.3	2.477	3.288	11.3	22.4

519429 2011 UZ_{415} 11 1.4 351°.16 1°.1/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.66	+12 57.7	1.728	2.582	14.3	21.2
10 8	2 46.76	+12 38.3	1.657	2.580	10.6	20.9
10 18	2 39.61	+12 11.3	1.609	2.579	6.4	20.7
10 28	2 30.98	+11 40.1	1.587	2.578	2.1	20.4
11 7	2 21.93	+11 9.2	1.592	2.577	3.2	20.5
11 17	2 13.57	+10 43.4	1.625	2.576	7.6	20.8
11 27	2 6.92	+10 27.3	1.684	2.576	11.7	21.0
12 7	2 2.63	+10 23.8	1.765	2.575	15.1	21.2

405462 2004 TS_{293} 11 1.4 9°.01 0°.8/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.93	+18 18.7	1.709	2.557	14.7	21.5
10 8	2 44.77	+18 2.9	1.641	2.558	11.1	21.3
10 18	2 38.40	+17 34.8	1.595	2.561	6.9	21.1
10 28	2 30.60	+16 56.8	1.574	2.564	2.4	20.8
11 7	2 22.43	+16 13.4	1.581	2.568	2.5	20.8
11 17	2 14.97	+15 30.0	1.615	2.573	6.9	21.1
11 27	2 9.20	+14 52.7	1.675	2.578	11.0	21.4
12 7	2 5.77	+14 26.1	1.757	2.584	14.4	21.6

70574 1999 TR_{161} 11 1.4 125°.75 1°.7/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.65	+12 9.5	1.860	2.710	13.6	19.9
10 8	2 47.23	+11 31.5	1.796	2.717	10.1	19.7
10 18	2 39.76	+10 46.5	1.755	2.724	6.1	19.5
10 28	2 31.00	+ 9 58.5	1.741	2.731	2.2	19.2
11 7	2 21.95	+ 9 12.8	1.755	2.737	3.5	19.3
11 17	2 13.64	+ 8 34.5	1.798	2.744	7.5	19.6
11 27	2 6.96	+ 8 8.0	1.868	2.750	11.2	19.8
12 7	2 2.50	+ 7 55.8	1.960	2.756	14.4	20.1

319353 2006 CC_{49} 11 1.4 58°.16 8°.3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.14	+35 9.2	1.510	2.290	19.5	19.3
10 8	2 52.20	+35 55.0	1.456	2.310	16.3	19.1
10 18	2 43.14	+36 13.8	1.421	2.331	12.8	19.0
10 28	2 32.08	+36 1.8	1.407	2.352	9.7	18.8
11 7	2 20.62	+35 20.0	1.418	2.373	8.3	18.8
11 17	2 10.39	+34 14.7	1.454	2.394	9.4	18.9
11 27	2 2.73	+32 56.4	1.516	2.416	12.1	19.1
12 7	1 58.34	+31 36.6	1.600	2.437	15.1	19.4

81605 2000 HS_{64} 11 1.4 142°.10 2°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.40	+21 39.9	2.076	2.895	13.5	20.2
10 8	2 47.79	+21 40.3	2.001	2.900	10.4	20.0
10 18	2 40.12	+21 28.2	1.949	2.904	6.8	19.8
10 28	2 31.13	+21 4.4	1.923	2.908	3.2	19.6
11 7	2 21.77	+20 31.4	1.927	2.912	2.6	19.5
11 17	2 13.05	+19 53.7	1.960	2.916	6.1	19.8
11 27	2 5.89	+19 16.4	2.020	2.919	9.6	20.0
12 7	2 0.91	+18 44.8	2.105	2.922	12.7	20.2

427791 2005 EO_{245} 11 1.4 111°.12 2°.3/30.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.78	+12 21.1	1.525	2.381	15.7	22.0
10 8	2 49.09	+11 23.2	1.470	2.394	11.6	21.7
10 18	2 40.97	+10 16.3	1.437	2.407	7.0	21.5
10 28	2 31.37	+ 9 6.4	1.430	2.420	2.7	21.3
11 7	2 21.54	+ 8 0.9	1.451	2.432	4.3	21.4
11 17	2 12.69	+ 7 6.9	1.500	2.444	8.8	21.7
11 27	2 5.86	+ 6 29.7	1.574	2.456	12.9	22.0
12 7	2 1.64	+ 6 11.7	1.669	2.467	16.4	22.3

8466 Leyrat 11 1.4 40°.67 1°.7/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.14	+13 9.7	1.290	2.159	17.2	17.8
10 8	2 47.38	+12 30.1	1.247	2.178	12.7	17.6
10 18	2 40.00	+11 41.1	1.226	2.198	7.6	17.4
10 28	2 31.07	+10 48.5	1.228	2.219	2.5	17.2
11 7	2 21.96	+ 9 59.2	1.257	2.241	4.0	17.3
11 17	2 14.01	+ 9 20.2	1.311	2.263	8.9	17.7
11 27	2 8.27	+ 8 56.4	1.389	2.286	13.3	18.0
12 7	2 5.30	+ 8 50.3	1.488	2.309	16.9	18.3

484009 2006 DY_{44} 11 1.4 56°.82 3°.8/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.76	+23 25.1	1.481	2.309	17.6	19.5
10 8	2 51.60	+23 57.3	1.428	2.328	13.7	19.3
10 18	2 42.64	+24 12.6	1.396	2.348	9.3	19.1
10 28	2 31.92	+24 9.9	1.389	2.369	5.1	18.9
11 7	2 20.87	+23 51.7	1.408	2.390	4.2	18.9
11 17	2 10.93	+23 23.1	1.453	2.410	7.6	19.2
11 27	2 3.30	+22 51.4	1.525	2.431	11.6	19.5
12 7	1 58.65	+22 23.6	1.619	2.452	15.2	19.7

232376 2003 *BU* 11 1.4 243°.52 8°.4/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 55.46	− 5 44.1	1.701	2.552	14.6	20.1
10 8	2 49.56	− 6 40.0	1.637	2.544	11.8	19.9
10 18	2 41.31	− 7 27.1	1.595	2.536	9.3	19.8
10 28	2 31.53	− 7 57.8	1.578	2.528	8.4	19.7
11 7	2 21.32	− 8 5.8	1.588	2.520	9.7	19.7
11 17	2 11.86	− 7 48.2	1.623	2.511	12.4	19.9
11 27	2 4.18	− 7 5.2	1.681	2.502	15.3	20.1
12 7	1 58.96	− 6 0.0	1.759	2.493	18.1	20.2

84942 2003 WJ_{142} 11 1.4 20°.77 3°.1/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.37	+22 31.2	0.873	1.753	22.4	17.7
10 8	2 45.77	+22 26.1	0.833	1.764	17.2	17.4
10 18	2 39.54	+21 55.2	0.809	1.777	11.3	17.2
10 28	2 31.01	+21 1.1	0.804	1.792	5.2	16.9
11 7	2 22.08	+19 52.3	0.821	1.809	4.0	16.9
11 17	2 14.64	+18 40.4	0.860	1.827	9.5	17.3
11 27	2 10.12	+17 37.6	0.921	1.847	15.0	17.7
12 7	2 9.19	+16 52.3	0.999	1.868	19.5	18.0

139654 2001 QP_{177} 11 1.4 42°.72 2°.8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.88	+23 18.3	1.845	2.667	14.8	20.0
10 8	2 47.69	+23 23.3	1.771	2.669	11.5	19.8
10 18	2 40.20	+23 13.4	1.719	2.672	7.8	19.6
10 28	2 31.20	+22 48.9	1.692	2.674	4.0	19.3
11 7	2 21.77	+22 12.4	1.693	2.677	3.2	19.3
11 17	2 13.04	+21 28.9	1.723	2.680	6.6	19.5
11 27	2 6.06	+20 44.8	1.779	2.683	10.4	19.8
12 7	2 1.48	+20 6.1	1.858	2.686	13.7	20.0

227660 2006 BD_{174} 11 1.4 57°.58 2°.3/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.89	+ 9 1.8	2.015	2.868	12.6	20.2
10 8	2 45.72	+ 8 34.1	1.960	2.883	9.2	20.0
10 18	2 38.75	+ 8 3.3	1.929	2.898	5.6	19.8
10 28	2 30.70	+ 7 33.1	1.925	2.913	2.6	19.6
11 7	2 22.46	+ 7 7.6	1.950	2.928	3.8	19.7
11 17	2 14.91	+ 6 50.5	2.003	2.944	7.2	20.0
11 27	2 8.84	+ 6 44.5	2.083	2.959	10.5	20.2
12 7	2 4.75	+ 6 50.9	2.185	2.975	13.3	20.4

24545 2001 DP_{25} 11 1.4 117°.40 1°.2/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.09	+19 49.3	2.166	2.986	13.0	20.3
10 8	2 48.80	+19 39.4	2.103	3.004	9.8	20.1
10 18	2 40.61	+19 18.5	2.064	3.022	6.2	20.0
10 28	2 31.28	+18 48.1	2.052	3.040	2.5	19.7
11 7	2 21.74	+18 11.4	2.071	3.057	2.2	19.8
11 17	2 12.94	+17 32.7	2.119	3.073	5.8	20.0
11 27	2 5.69	+16 56.8	2.195	3.089	9.2	20.3
12 7	2 0.54	+16 28.1	2.297	3.104	12.1	20.5

229864 Sichouzhilu 11 1.4 26°.74 1°.0/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 0.24	+14 1.6	1.757	2.593	14.9	19.1
10 8	2 53.15	+15 2.1	1.691	2.602	11.2	18.9
10 18	2 43.53	+15 58.0	1.649	2.613	7.0	18.7
10 28	2 32.25	+16 48.2	1.634	2.624	2.5	18.4
11 7	2 20.48	+17 32.3	1.649	2.635	2.6	18.5
11 17	2 9.52	+18 11.2	1.693	2.648	7.0	18.8
11 27	2 0.48	+18 47.6	1.765	2.660	11.0	19.0
12 7	1 54.11	+19 24.2	1.861	2.674	14.3	19.3

447979 2008 CG_{128} 11 1.4 120°.28 1°.0/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.89	+13 42.2	2.058	2.903	12.7	21.2
10 8	2 45.82	+13 8.9	1.989	2.907	9.4	21.0
10 18	2 38.88	+12 28.0	1.943	2.912	5.6	20.8
10 28	2 30.76	+11 42.8	1.926	2.916	1.8	20.6
11 7	2 22.37	+10 58.0	1.937	2.921	2.8	20.7
11 17	2 14.60	+10 18.1	1.977	2.925	6.7	20.9
11 27	2 8.28	+ 9 47.7	2.044	2.929	10.2	21.1
12 7	2 3.96	+ 9 29.4	2.134	2.933	13.2	21.4

258248 2001 TJ_{168} 11 1.4 20°.15 4°.9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.61	+24 42.1	1.645	2.462	16.6	19.6
10 8	2 51.63	+25 47.5	1.576	2.467	13.2	19.4
10 18	2 42.84	+26 38.6	1.528	2.472	9.4	19.2
10 28	2 32.08	+27 12.2	1.505	2.478	6.0	19.0
11 7	2 20.67	+27 27.7	1.509	2.485	5.1	19.0
11 17	2 10.05	+27 27.5	1.540	2.492	7.9	19.2
11 27	2 1.51	+27 17.5	1.597	2.500	11.5	19.4
12 7	1 55.90	+27 4.8	1.677	2.508	14.8	19.6

181770 1997 EF_{57} 11 1.4 155°.72 0°.8/ 2.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.94	+18 23.2	2.020	2.844	13.7	21.8
10 8	2 50.37	+18 11.3	1.948	2.853	10.3	21.6
10 18	2 41.68	+17 48.5	1.900	2.861	6.5	21.4
10 28	2 31.64	+17 16.5	1.880	2.869	2.3	21.1
11 7	2 21.28	+16 38.6	1.889	2.876	2.3	21.1
11 17	2 11.66	+15 59.7	1.928	2.882	6.4	21.4
11 27	2 3.70	+15 24.8	1.995	2.887	10.1	21.7
12 7	1 58.03	+14 58.5	2.087	2.891	13.3	21.9

493537 2015 FB_{332} 11 1.4 129°.12 0°.3/ 1.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.38	+17 38.3	1.811	2.645	14.5	22.2
10 8	2 49.35	+17 13.0	1.746	2.658	10.9	22.0
10 18	2 41.10	+16 36.2	1.705	2.670	6.7	21.8
10 28	2 31.47	+15 50.3	1.691	2.681	2.2	21.5
11 7	2 21.57	+15 0.3	1.705	2.692	2.5	21.6
11 17	2 12.50	+14 11.7	1.748	2.702	6.9	21.9
11 27	2 5.23	+13 30.4	1.819	2.712	10.8	22.1
12 7	2 0.35	+13 0.7	1.912	2.721	14.2	22.4

403460 2009 SD_{336} 11 1.4 5°.36 1°.2/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.51	+13 43.8	1.593	2.457	14.8	20.6
10 8	2 43.81	+13 11.0	1.529	2.457	10.9	20.4
10 18	2 37.88	+12 28.9	1.487	2.459	6.6	20.1
10 28	2 30.51	+11 41.8	1.470	2.461	2.1	19.8
11 7	2 22.77	+10 55.5	1.480	2.465	3.3	19.9
11 17	2 15.77	+10 15.8	1.516	2.469	7.8	20.2
11 27	2 10.48	+ 9 48.1	1.578	2.475	11.9	20.5
12 7	2 7.54	+ 9 35.5	1.661	2.481	15.4	20.7

436418 2011 AM_{60} 11 1.4 203°.03 1°.1/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.37	+19 45.6	1.895	2.722	14.3	22.7
10 8	2 49.50	+19 27.5	1.813	2.718	10.9	22.4
10 18	2 41.32	+18 56.2	1.753	2.714	6.9	22.2
10 28	2 31.59	+18 13.2	1.720	2.709	2.7	21.9
11 7	2 21.39	+17 22.3	1.716	2.703	2.5	21.9
11 17	2 11.85	+16 29.3	1.741	2.696	6.8	22.2
11 27	2 4.01	+15 40.4	1.794	2.689	10.8	22.4
12 7	1 58.57	+15 1.3	1.870	2.682	14.3	22.6

186683 2003 YU_{145} 11 1.4 309°.58 0°.8/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.99	+12 17.7	1.282	2.146	17.6	19.6
10 8	2 51.11	+12 33.0	1.198	2.126	13.4	19.3
10 18	2 42.92	+12 42.3	1.135	2.106	8.3	19.0
10 28	2 32.24	+12 47.5	1.095	2.086	2.6	18.6
11 7	2 20.48	+12 51.8	1.081	2.068	3.7	18.6
11 17	2 9.36	+12 59.3	1.093	2.049	9.6	18.9
11 27	2 0.51	+13 14.7	1.127	2.031	15.0	19.1
12 7	1 55.02	+13 41.5	1.182	2.014	19.7	19.4

246865 6770 *P–L* 11 1.4 6°.54 1°.9/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.92	+13 29.2	0.952	1.843	20.0	19.8
10 8	2 46.02	+12 55.2	0.901	1.842	14.9	19.5
10 18	2 39.72	+12 7.8	0.867	1.843	9.0	19.2
10 28	2 31.15	+11 13.6	0.855	1.846	3.0	18.9
11 7	2 22.02	+10 21.7	0.865	1.850	4.7	19.0
11 17	2 14.08	+ 9 41.5	0.897	1.856	10.8	19.4
11 27	2 8.82	+ 9 20.2	0.950	1.863	16.2	19.7
12 7	2 7.01	+ 9 21.0	1.021	1.871	20.8	20.0

4953 1990 *MU* 11 1.4 312°.86 25°.7/10.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 25.81	−23 9.8	0.982	1.783	26.3	16.5
10 8	3 18.98	−26 34.7	0.859	1.701	25.7	16.1
10 18	3 4.59	−30 10.9	0.751	1.614	26.2	15.7
10 28	2 40.82	−33 28.8	0.661	1.522	28.6	15.4
11 7	2 7.13	−35 43.0	0.588	1.425	33.7	15.1
11 17	1 25.77	−36 1.0	0.533	1.323	41.4	15.0
11 27	0 42.20	−33 49.3	0.491	1.216	51.3	14.9
12 7	0 1.29	−29 13.4	0.459	1.104	63.0	14.9

481650 2007 VK_{165} 11 1.4 80°.63 2°.7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.59	+26 36.1	1.837	2.647	15.3	20.7
10 8	2 47.25	+25 48.1	1.775	2.666	11.9	20.5
10 18	2 39.78	+24 40.2	1.736	2.686	8.0	20.3
10 28	2 31.06	+23 14.8	1.723	2.705	4.1	20.1
11 7	2 22.20	+21 38.1	1.739	2.723	3.0	20.1
11 17	2 14.27	+19 58.0	1.784	2.742	6.3	20.3
11 27	2 8.14	+18 23.3	1.857	2.761	10.0	20.6
12 7	2 4.35	+17 0.9	1.954	2.779	13.3	20.8

82407 2001 NM_{10} 11 1.4 79°.22 0°.3/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.89	+16 17.6	1.479	2.328	16.5	20.4
10 8	2 49.97	+15 46.5	1.430	2.349	12.2	20.2
10 18	2 41.54	+15 3.5	1.403	2.371	7.4	19.9
10 28	2 31.62	+14 12.5	1.401	2.392	2.2	19.7
11 7	2 21.54	+13 19.7	1.427	2.413	3.0	19.8
11 17	2 12.56	+12 31.8	1.480	2.434	7.9	20.1
11 27	2 5.72	+11 54.8	1.559	2.454	12.1	20.4
12 7	2 1.59	+11 32.5	1.659	2.475	15.7	20.7

383194 2005 YB_{25} 11 1.4 261°.82 0°.5/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.23	+18 1.2	1.777	2.616	14.6	21.9
10 8	2 48.13	+17 40.5	1.689	2.602	11.1	21.6
10 18	2 40.62	+17 7.0	1.623	2.588	7.0	21.3
10 28	2 31.43	+16 22.8	1.583	2.573	2.4	21.0
11 7	2 21.64	+15 32.1	1.571	2.558	2.6	21.0
11 17	2 12.42	+14 40.8	1.588	2.543	7.3	21.3
11 27	2 4.91	+13 55.6	1.630	2.527	11.6	21.5
12 7	1 59.86	+13 21.9	1.696	2.512	15.4	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
271022 2003 AP_{44}		11 1.4 331°.99 3°.0/30.9 18				
	h m	° ′			°	m
9 28	2 54.25	+ 8 40.2	1.354	2.222	16.6	19.9
10 8	2 49.29	+ 8 23.2	1.286	2.216	12.4	19.6
10 18	2 41.47	+ 8 2.3	1.238	2.210	7.7	19.3
10 28	2 31.71	+ 7 42.0	1.215	2.204	3.4	19.1
11 7	2 21.33	+ 7 27.8	1.218	2.199	5.0	19.2
11 17	2 11.79	+ 7 24.6	1.247	2.194	9.8	19.4
11 27	2 4.40	+ 7 36.2	1.299	2.190	14.4	19.7
12 7	1 59.97	+ 8 3.8	1.372	2.187	18.4	19.9
220899 2004 YU_{9}		11 1.4 287°.71 1°.0/31.6 17				
9 28	2 49.37	+13 24.6	2.204	3.048	11.9	20.7
10 8	2 44.76	+12 56.2	2.117	3.035	8.9	20.4
10 18	2 38.33	+12 20.5	2.054	3.022	5.4	20.2
10 28	2 30.68	+11 40.5	2.018	3.009	1.7	19.9
11 7	2 22.62	+11 0.1	2.012	2.996	2.7	20.0
11 17	2 15.02	+10 23.8	2.034	2.983	6.5	20.2
11 27	2 8.70	+ 9 55.9	2.084	2.969	10.0	20.4
12 7	2 4.26	+ 9 39.3	2.157	2.956	13.1	20.6
44244 1998 QP_{38}		11 1.4 342°.06 5°.2/28.8 18				
9 28	2 43.02	+ 8 35.6	1.144	2.038	17.0	17.0
10 8	2 41.31	+ 7 11.8	1.073	2.017	12.8	16.7
10 18	2 36.79	+ 5 37.1	1.023	1.998	8.2	16.4
10 28	2 30.29	+ 4 1.5	0.996	1.981	5.2	16.2
11 7	2 23.10	+ 2 36.9	0.991	1.965	7.5	16.3
11 17	2 16.65	+ 1 34.4	1.010	1.952	12.4	16.5
11 27	2 12.29	+ 1 1.3	1.049	1.940	17.1	16.8
12 7	2 10.84	+ 0 59.2	1.106	1.930	21.3	17.0
521736 2015 RD_{271}		11 1.4 165°.32 0°.4/ 1.8 18				
9 28	2 52.02	+17 58.8	2.258	3.086	12.3	22.7
10 8	2 46.58	+17 31.9	2.182	3.090	9.2	22.5
10 18	2 39.34	+16 54.9	2.130	3.093	5.7	22.3
10 28	2 30.97	+16 10.0	2.106	3.096	1.9	22.0
11 7	2 22.31	+15 21.1	2.112	3.099	2.1	22.0
11 17	2 14.24	+14 32.7	2.148	3.101	5.8	22.3
11 27	2 7.54	+13 49.8	2.212	3.103	9.3	22.5
12 7	2 2.77	+13 16.2	2.300	3.104	12.2	22.7
97712 2000 GD_{87}		11 1.4 313°.44 0°.2/ 1.3 17				
9 28	2 54.86	+12 46.6	2.153	2.989	12.5	19.1
10 8	2 48.92	+13 9.5	2.067	2.980	9.4	18.9
10 18	2 40.92	+13 28.5	2.005	2.971	5.7	18.6
10 28	2 31.51	+13 44.4	1.971	2.962	1.8	18.4
11 7	2 21.60	+13 58.7	1.967	2.953	2.4	18.4
11 17	2 12.15	+14 13.4	1.992	2.944	6.3	18.6
11 27	2 4.11	+14 31.1	2.046	2.936	10.0	18.8
12 7	1 58.16	+14 54.1	2.124	2.928	13.1	19.0
33873 2000 JS_{52}		11 1.4 160°.23 2°.5/ 4.0 18				
9 28	2 52.90	+25 37.8	2.679	3.470	11.6	19.7
10 8	2 47.04	+25 25.1	2.598	3.478	9.1	19.6
10 18	2 39.54	+24 59.3	2.542	3.485	6.2	19.4
10 28	2 31.03	+24 21.2	2.514	3.491	3.5	19.3
11 7	2 22.27	+23 33.2	2.516	3.497	2.7	19.2
11 17	2 14.05	+22 39.1	2.548	3.502	5.0	19.4
11 27	2 7.09	+21 44.0	2.610	3.506	7.8	19.6
12 7	2 1.91	+20 52.6	2.698	3.510	10.4	19.7
447177 2005 QU_{124}		11 1.4 39°.39 0°.4/ 1.7 17				
9 28	2 51.55	+17 9.8	1.844	2.686	14.0	21.2
10 8	2 46.58	+16 56.8	1.776	2.691	10.5	21.0
10 18	2 39.49	+16 33.3	1.730	2.696	6.5	20.7
10 28	2 31.04	+16 1.7	1.711	2.702	2.2	20.5
11 7	2 22.25	+15 25.8	1.720	2.707	2.4	20.5
11 17	2 14.15	+14 50.6	1.757	2.713	6.7	20.8
11 27	2 7.70	+14 21.1	1.821	2.719	10.5	21.0
12 7	2 3.50	+14 1.3	1.908	2.725	13.8	21.3
84453 2002 TU_{248}		11 1.4 211°.41 1°.1/ 2.1 18				
9 28	2 57.10	+17 44.7	1.592	2.431	16.0	19.9
10 8	2 51.19	+17 53.1	1.517	2.429	12.2	19.7
10 18	2 42.56	+17 50.1	1.463	2.427	7.7	19.4
10 28	2 32.05	+17 36.6	1.435	2.424	2.9	19.1
11 7	2 20.95	+17 15.5	1.435	2.422	2.8	19.1
11 17	2 10.63	+16 51.7	1.462	2.419	7.6	19.4
11 27	2 2.33	+16 31.0	1.516	2.416	12.1	19.6
12 7	1 56.84	+16 18.5	1.591	2.412	16.0	19.9
447589 2006 UN_{43}		11 1.4 2°.53 0°.5/ 1.2 18				
9 28	2 52.08	+13 52.6	1.586	2.442	15.2	20.7
10 8	2 47.31	+13 50.9	1.518	2.442	11.4	20.4
10 18	2 40.10	+13 41.3	1.472	2.441	6.9	20.2
10 28	2 31.27	+13 26.3	1.451	2.442	2.1	19.9
11 7	2 21.96	+13 9.6	1.457	2.443	2.9	20.0
11 17	2 13.41	+12 55.7	1.490	2.445	7.7	20.3
11 27	2 6.70	+12 49.2	1.548	2.447	12.0	20.5
12 7	2 2.56	+12 53.3	1.628	2.450	15.6	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
491560 2012 QT_{6}		11 1.4 6°.16 2°.3/31.2 16				
	h m	° ′			°	m
9 28	2 49.82	+11 41.8	1.127	2.009	18.2	20.7
10 8	2 46.30	+11 14.8	1.071	2.009	13.5	20.4
10 18	2 39.74	+10 38.8	1.035	2.010	8.2	20.2
10 28	2 31.19	+ 9 59.4	1.022	2.013	3.0	19.9
11 7	2 22.12	+ 9 23.9	1.032	2.016	4.7	20.0
11 17	2 14.10	+ 8 59.4	1.067	2.021	10.0	20.3
11 27	2 8.44	+ 8 51.3	1.123	2.028	15.0	20.6
12 7	2 5.88	+ 9 1.8	1.199	2.035	19.2	20.9
284196 2006 BR_{31}		11 1.4 134°.31 2°.1/30.7 18				
9 28	2 54.17	+ 9 51.8	2.188	3.029	12.1	21.6
10 8	2 48.04	+ 9 14.1	2.127	3.044	8.9	21.5
10 18	2 40.16	+ 8 32.2	2.092	3.059	5.4	21.3
10 28	2 31.22	+ 7 50.0	2.085	3.072	2.4	21.1
11 7	2 22.10	+ 7 11.7	2.107	3.085	3.6	21.2
11 17	2 13.66	+ 6 41.5	2.160	3.098	6.9	21.4
11 27	2 6.67	+ 6 22.4	2.240	3.109	10.1	21.7
12 7	2 1.63	+ 6 16.2	2.344	3.120	12.9	21.9
82970 2001 QY_{134}		11 1.4 65°.13 4°.1/ 4.7 18				
9 28	2 54.38	+27 28.4	1.793	2.599	15.9	18.9
10 8	2 48.73	+27 30.4	1.737	2.622	12.5	18.7
10 18	2 40.78	+27 13.5	1.702	2.644	8.8	18.6
10 28	2 31.43	+26 37.9	1.692	2.666	5.3	18.4
11 7	2 21.87	+25 47.1	1.710	2.688	4.2	18.4
11 17	2 13.25	+24 46.8	1.756	2.711	6.7	18.6
11 27	2 6.55	+23 44.7	1.828	2.733	10.1	18.8
12 7	2 2.34	+22 47.8	1.924	2.755	13.2	19.1
305737 2009 CM_{47}		11 1.4 109°.48 3°.2/29.9 18				
9 28	2 52.18	+ 7 23.0	2.011	2.863	12.6	21.0
10 8	2 46.72	+ 6 37.7	1.953	2.875	9.3	20.9
10 18	2 39.42	+ 5 50.0	1.920	2.887	5.8	20.7
10 28	2 31.02	+ 5 4.5	1.914	2.899	3.3	20.5
11 7	2 22.41	+ 4 26.1	1.937	2.910	4.6	20.7
11 17	2 14.51	+ 3 59.1	1.989	2.921	7.8	20.9
11 27	2 8.09	+ 3 46.2	2.067	2.932	11.0	21.1
12 7	2 3.69	+ 3 48.4	2.168	2.943	13.8	21.3
219854 2002 CS_{219}		11 1.4 169°.81 5°.5/ 6.5 18				
9 28	2 55.98	+33 40.9	2.674	3.421	12.7	20.6
10 8	2 49.64	+34 17.6	2.588	3.424	10.6	20.4
10 18	2 41.32	+34 38.8	2.525	3.427	8.3	20.3
10 28	2 31.66	+34 42.3	2.488	3.429	6.3	20.1
11 7	2 21.55	+34 28.2	2.479	3.431	5.5	20.1
11 17	2 11.94	+33 58.7	2.500	3.432	6.4	20.2
11 27	2 3.73	+33 18.5	2.548	3.433	8.5	20.3
12 7	1 57.54	+32 33.5	2.623	3.434	10.7	20.4
169923 2002 SS_{20}		11 1.4 78°.44 1°.3/31.5 18				
9 28	2 52.30	+13 26.0	1.781	2.631	14.1	20.5
10 8	2 47.06	+12 48.9	1.723	2.644	10.4	20.3
10 18	2 39.73	+12 3.8	1.688	2.658	6.2	20.0
10 28	2 31.13	+11 14.6	1.680	2.671	2.0	19.8
11 7	2 22.30	+10 26.8	1.700	2.684	3.2	19.9
11 17	2 14.27	+ 9 45.8	1.749	2.697	7.4	20.2
11 27	2 7.94	+ 9 16.1	1.823	2.710	11.1	20.5
12 7	2 3.86	+ 9 0.5	1.920	2.723	14.3	20.7
255339 2005 WZ_{59}		11 1.4 350°.95 8°.9/ 8.4 17				
9 28	2 43.54	+36 1.0	1.283	2.093	20.8	19.5
10 8	2 42.05	+36 24.2	1.205	2.078	17.7	19.2
10 18	2 37.43	+36 14.7	1.144	2.065	14.2	19.0
10 28	2 30.56	+35 28.1	1.102	2.054	10.8	18.8
11 7	2 22.92	+34 5.6	1.082	2.046	9.0	18.6
11 17	2 16.15	+32 14.5	1.086	2.039	10.1	18.7
11 27	2 11.77	+30 8.6	1.112	2.034	13.4	18.8
12 7	2 10.64	+28 3.0	1.159	2.032	17.1	19.1
9951 Tyrannosaurus		11 1.4 95°.60 4°.8/29.2 18				
9 28	2 54.05	+ 5 4.0	1.589	2.451	14.9	18.0
10 8	2 48.47	+ 4 3.1	1.539	2.464	11.1	17.8
10 18	2 40.62	+ 3 1.2	1.511	2.477	7.3	17.6
10 28	2 31.41	+ 2 5.3	1.510	2.490	4.8	17.5
11 7	2 21.99	+ 1 22.1	1.536	2.503	6.4	17.6
11 17	2 13.49	+ 0 56.6	1.589	2.516	9.9	17.9
11 27	2 6.87	+ 0 51.2	1.666	2.528	13.5	18.1
12 7	2 2.70	+ 1 5.7	1.764	2.540	16.5	18.3
325660 2009 SW_{353}		11 1.4 122°.57 0°.2/ 1.2 18				
9 28	2 48.89	+16 52.4	2.387	3.221	11.5	21.3
10 8	2 44.16	+16 7.7	2.315	3.227	8.5	21.2
10 18	2 37.84	+15 13.6	2.267	3.233	5.2	21.0
10 28	2 30.55	+14 13.3	2.248	3.238	1.6	20.7
11 7	2 23.03	+13 11.1	2.258	3.244	2.1	20.8
11 17	2 16.05	+12 11.8	2.298	3.249	5.7	21.0
11 27	2 10.31	+11 20.3	2.367	3.254	8.9	21.2
12 7	2 6.30	+10 39.8	2.460	3.259	11.7	21.4

363671 2004 TK_{63} 11 1.5 46°.12 2°.0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 53.88	+20 12.4	1.902	2.730	14.2	20.1
10 8	2 48.30	+20 31.2	1.838	2.742	10.9	19.9
10 18	2 40.56	+20 38.8	1.797	2.755	7.1	19.7
10 28	2 31.44	+20 35.4	1.782	2.767	3.3	19.5
11 7	2 21.97	+20 23.1	1.795	2.780	2.7	19.5
11 17	2 13.24	+20 5.7	1.836	2.793	6.3	19.7
11 27	2 6.20	+19 47.9	1.905	2.807	9.9	20.0
12 7	2 1.47	+19 34.4	1.997	2.820	13.1	20.2

406301 2007 GO_{51} 11 1.5 151°.02 5°.9/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.11	− 6 10.2	2.812	3.650	9.8	21.5
10 8	2 44.02	− 7 12.5	2.759	3.657	7.9	21.4
10 18	2 37.64	− 8 8.6	2.733	3.665	6.4	21.3
10 28	2 30.48	− 8 53.9	2.734	3.672	6.0	21.3
11 7	2 23.17	− 9 24.4	2.764	3.678	6.9	21.3
11 17	2 16.33	− 9 38.1	2.822	3.684	8.6	21.5
11 27	2 10.52	− 9 34.1	2.904	3.690	10.5	21.6
12 7	2 6.17	− 9 13.4	3.008	3.695	12.2	21.8

398876 2013 CY_{67} 11 1.5 47°.61 0°.9/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.44	+15 5.4	1.735	2.587	14.3	20.9
10 8	2 45.82	+14 20.3	1.671	2.593	10.6	20.7
10 18	2 39.06	+13 24.7	1.631	2.600	6.4	20.4
10 28	2 30.97	+12 23.0	1.616	2.607	2.0	20.2
11 7	2 22.58	+11 21.3	1.630	2.614	3.1	20.3
11 17	2 14.95	+10 25.7	1.671	2.622	7.4	20.5
11 27	2 9.00	+ 9 42.0	1.738	2.630	11.4	20.8
12 7	2 5.33	+ 9 13.8	1.828	2.637	14.7	21.0

320853 2008 FW_{104} 11 1.5 49°.56 2°.0/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.62	+ 8 22.4	1.918	2.765	13.4	20.1
10 8	2 49.43	+ 8 31.5	1.856	2.775	9.9	19.9
10 18	2 41.18	+ 8 39.1	1.818	2.785	6.1	19.7
10 28	2 31.62	+ 8 47.3	1.807	2.796	2.4	19.5
11 7	2 21.77	+ 8 58.7	1.825	2.807	3.5	19.6
11 17	2 12.66	+ 9 15.4	1.872	2.818	7.2	19.8
11 27	2 5.18	+ 9 39.6	1.947	2.829	10.8	20.1
12 7	1 59.93	+10 12.1	2.045	2.840	13.8	20.3

73682 1990 HU_{5} 11 1.5 184°.96 2°.4/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.94	+ 7 37.1	2.497	3.343	10.7	19.7
10 8	2 44.88	+ 7 8.9	2.424	3.343	7.9	19.5
10 18	2 38.28	+ 6 38.6	2.376	3.343	4.9	19.3
10 28	2 30.71	+ 6 9.4	2.357	3.343	2.6	19.2
11 7	2 22.88	+ 5 44.8	2.367	3.342	3.6	19.2
11 17	2 15.52	+ 5 28.0	2.407	3.342	6.5	19.4
11 27	2 9.32	+ 5 21.5	2.474	3.341	9.4	19.6
12 7	2 4.76	+ 5 26.3	2.565	3.340	11.9	19.8

6375 Fredharris 11 1.5 80°.08 0°.0/ 1.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.84	+16 1.8	2.282	3.117	11.9	17.8
10 8	2 45.61	+15 42.1	2.221	3.133	8.9	17.6
10 18	2 38.73	+15 14.6	2.184	3.149	5.4	17.4
10 28	2 30.84	+14 41.6	2.174	3.165	1.7	17.2
11 7	2 22.76	+14 6.5	2.195	3.181	2.1	17.3
11 17	2 15.30	+13 33.3	2.244	3.197	5.7	17.5
11 27	2 9.18	+13 5.9	2.322	3.212	8.9	17.8
12 7	2 4.89	+12 47.2	2.424	3.228	11.7	18.0

283992 2004 SS_{31} 11 1.5 352°.28 0°.2/ 1.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.04	+17 3.5	2.191	3.034	12.1	19.8
10 8	2 42.32	+16 43.9	2.111	3.027	9.0	19.6
10 18	2 36.87	+16 15.1	2.055	3.021	5.6	19.4
10 28	2 30.30	+15 39.3	2.026	3.016	1.8	19.2
11 7	2 23.38	+15 0.1	2.025	3.012	2.1	19.2
11 17	2 16.95	+14 21.8	2.053	3.009	5.8	19.4
11 27	2 11.77	+13 48.9	2.108	3.006	9.3	19.6
12 7	2 8.40	+13 25.0	2.186	3.004	12.3	19.8

155162 2005 UZ_{104} 11 1.5 108°.97 2°.8/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.39	+ 8 56.8	1.639	2.494	14.8	20.1
10 8	2 49.53	+ 8 25.8	1.580	2.504	11.0	19.9
10 18	2 41.33	+ 7 50.7	1.544	2.513	6.8	19.7
10 28	2 31.68	+ 7 16.1	1.535	2.522	3.1	19.5
11 7	2 21.73	+ 6 47.4	1.553	2.531	4.5	19.6
11 17	2 12.65	+ 6 29.1	1.599	2.540	8.6	19.8
11 27	2 5.45	+ 6 24.7	1.670	2.549	12.5	20.1
12 7	2 0.75	+ 6 35.4	1.763	2.557	15.8	20.3

485925 2012 GP_{35} 11 1.5 184°.80 0°.6/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.32	+18 57.1	3.038	3.855	9.7	22.5
10 8	2 44.24	+18 34.3	2.954	3.855	7.3	22.3
10 18	2 37.82	+18 3.4	2.895	3.854	4.6	22.1
10 28	2 30.57	+17 25.9	2.864	3.853	1.7	21.9
11 7	2 23.08	+16 44.4	2.865	3.852	1.6	21.9
11 17	2 15.99	+16 2.2	2.897	3.850	4.5	22.1
11 27	2 9.88	+15 22.7	2.958	3.848	7.2	22.3
12 7	2 5.21	+14 49.3	3.045	3.845	9.6	22.5

281226 2007 HF_{89} 11 1.5 280°.23 2°.5/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.79	+11 29.9	1.583	2.443	15.0	21.0
10 8	2 47.15	+10 37.4	1.508	2.435	11.2	20.7
10 18	2 40.06	+ 9 35.9	1.457	2.428	6.8	20.5
10 28	2 31.34	+ 8 30.9	1.430	2.420	2.9	20.2
11 7	2 22.12	+ 7 29.3	1.432	2.412	4.5	20.3
11 17	2 13.61	+ 6 38.4	1.460	2.404	9.0	20.5
11 27	2 6.91	+ 6 3.8	1.513	2.396	13.2	20.8
12 7	2 2.73	+ 5 48.6	1.586	2.389	16.9	21.0

59398 1999 FF_{29} 11 1.5 105°.59 2°.4/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.13	+11 26.2	1.502	2.356	16.0	18.9
10 8	2 50.86	+10 37.2	1.452	2.375	11.8	18.7
10 18	2 42.12	+ 9 40.7	1.424	2.394	7.1	18.5
10 28	2 31.91	+ 8 42.5	1.423	2.412	2.9	18.3
11 7	2 21.52	+ 7 49.5	1.449	2.430	4.4	18.4
11 17	2 12.21	+ 7 7.8	1.503	2.447	8.8	18.7
11 27	2 5.01	+ 6 42.1	1.582	2.463	12.9	19.0
12 7	2 0.49	+ 6 34.3	1.683	2.479	16.3	19.3

68952 2002 QC_{29} 11 1.5 268°.93 3°.9/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.98	+25 7.9	1.867	2.679	15.1	19.3
10 8	2 49.50	+25 31.3	1.782	2.671	12.0	19.1
10 18	2 41.54	+25 39.6	1.718	2.663	8.4	18.9
10 28	2 31.83	+25 31.4	1.679	2.655	5.0	18.7
11 7	2 21.48	+25 8.0	1.668	2.647	4.1	18.6
11 17	2 11.73	+24 33.3	1.685	2.640	7.0	18.8
11 27	2 3.74	+23 53.7	1.729	2.632	10.7	19.0
12 7	1 58.29	+23 16.0	1.796	2.624	14.1	19.2

520674 2014 QY_{456} 11 1.5 115°.08 2°.3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.08	+22 27.8	2.423	3.231	12.1	21.4
10 8	2 47.37	+22 39.7	2.348	3.240	9.4	21.2
10 18	2 39.87	+22 40.8	2.298	3.248	6.3	21.0
10 28	2 31.23	+22 31.1	2.275	3.256	3.2	20.9
11 7	2 22.28	+22 12.6	2.281	3.264	2.6	20.8
11 17	2 13.88	+21 48.3	2.317	3.272	5.4	21.0
11 27	2 6.82	+21 22.4	2.382	3.279	8.4	21.2
12 7	2 1.66	+20 59.2	2.472	3.287	11.1	21.4

247700 2003 BC_{86} 11 1.5 323°.28 3°.3/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.95	+ 9 49.9	1.290	2.165	16.8	20.7
10 8	2 47.05	+ 9 8.4	1.217	2.151	12.6	20.4
10 18	2 40.27	+ 8 18.9	1.165	2.138	7.8	20.1
10 28	2 31.47	+ 7 27.7	1.136	2.125	3.6	19.9
11 7	2 21.96	+ 6 42.4	1.133	2.113	5.4	19.9
11 17	2 13.21	+ 6 10.5	1.154	2.101	10.4	20.2
11 27	2 6.58	+ 5 57.6	1.198	2.091	15.3	20.4
12 7	2 2.92	+ 6 6.0	1.261	2.081	19.4	20.7

274117 2008 DX_{82} 11 1.5 126°.18 0°.4/ 1.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.08	+17 13.4	1.707	2.543	15.2	21.7
10 8	2 50.80	+16 58.7	1.644	2.556	11.4	21.5
10 18	2 42.12	+16 32.6	1.603	2.568	7.1	21.3
10 28	2 31.94	+15 57.4	1.589	2.579	2.3	21.0
11 7	2 21.45	+15 17.6	1.604	2.591	2.6	21.1
11 17	2 11.86	+14 38.5	1.647	2.601	7.2	21.4
11 27	2 4.19	+14 6.0	1.717	2.611	11.3	21.7
12 7	1 59.08	+13 44.3	1.809	2.621	14.7	21.9

218572 2005 JX_{36} 11 1.5 105°.37 11°.4/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 4.35	−16 15.2	1.691	2.504	16.4	19.8
10 8	2 55.75	−16 57.4	1.659	2.525	14.0	19.7
10 18	2 44.84	−17 18.8	1.649	2.547	12.1	19.6
10 28	2 32.71	−17 12.4	1.663	2.567	11.4	19.7
11 7	2 20.63	−16 34.9	1.703	2.587	12.2	19.8
11 17	2 9.81	−15 27.6	1.768	2.607	14.0	19.9
11 27	2 1.19	−13 55.1	1.856	2.625	16.1	20.1
12 7	1 55.27	−12 4.0	1.963	2.643	18.0	20.3

240610 2004 XF_{7} 11 1.5 316°.67 5°.3/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.39	+29 49.0	1.461	2.279	18.2	19.5
10 8	2 46.06	+29 37.9	1.367	2.257	14.9	19.2
10 18	2 39.78	+28 59.8	1.293	2.236	10.9	18.9
10 28	2 31.35	+27 52.8	1.241	2.214	6.9	18.6
11 7	2 22.08	+26 19.9	1.214	2.194	5.3	18.5
11 17	2 13.49	+24 29.3	1.213	2.173	8.3	18.6
11 27	2 7.01	+22 33.8	1.237	2.154	12.8	18.8
12 7	2 3.59	+20 45.9	1.283	2.136	17.2	19.0

71208 1999 XO_{248} 11 1.5 64°.45 0°.0/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.44	+19 30.6	1.610	2.454	15.6	18.6
10 8	2 46.59	+18 21.2	1.555	2.472	11.7	18.4
10 18	2 39.51	+16 55.8	1.523	2.490	7.1	18.2
10 28	2 31.10	+15 19.9	1.517	2.508	2.2	18.0
11 7	2 22.55	+13 41.5	1.539	2.526	2.7	18.0
11 17	2 14.94	+12 9.4	1.590	2.544	7.4	18.4
11 27	2 9.20	+10 51.4	1.666	2.562	11.5	18.7
12 7	2 5.88	+ 9 52.2	1.766	2.581	14.9	18.9

131234 2001 DT_{107} 11 1.5 99°.09 5°.0/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 52.03	+ 3 28.5	1.917	2.773	13.0	19.8
10 8	2 46.61	+ 2 10.9	1.871	2.792	9.7	19.6
10 18	2 39.36	+ 0 54.0	1.849	2.810	6.6	19.5
10 28	2 31.05	− 0 15.7	1.855	2.828	5.0	19.4
11 7	2 22.61	− 1 11.8	1.889	2.846	6.4	19.5
11 17	2 14.94	− 1 49.9	1.951	2.863	9.3	19.8
11 27	2 8.83	− 2 7.8	2.038	2.880	12.2	20.0
12 7	2 4.76	− 2 5.9	2.146	2.896	14.7	20.2

157711 2006 AU_{68} 11 1.5 65°.85 2°.1/30.7 18

9 28	2 49.77	+10 6.5	2.119	2.970	12.1	20.6
10 8	2 44.96	+ 9 28.0	2.056	2.978	8.9	20.4
10 18	2 38.40	+ 8 44.9	2.017	2.986	5.4	20.2
10 28	2 30.78	+ 8 1.3	2.005	2.993	2.4	20.1
11 7	2 22.92	+ 7 21.8	2.023	3.001	3.6	20.2
11 17	2 15.66	+ 6 50.4	2.069	3.009	7.0	20.4
11 27	2 9.77	+ 6 30.5	2.141	3.018	10.2	20.6
12 7	2 5.77	+ 6 24.0	2.237	3.026	13.0	20.8

201334 2002 TW_{165} 11 1.5 86°.11 6°.2/ 6.9 18

9 28	2 55.87	+34 3.2	1.901	2.671	16.4	20.1
10 8	2 49.99	+34 15.9	1.837	2.689	13.5	19.9
10 18	2 41.66	+34 5.9	1.793	2.706	10.4	19.8
10 28	2 31.81	+33 31.6	1.773	2.724	7.5	19.7
11 7	2 21.67	+32 35.0	1.779	2.741	6.2	19.6
11 17	2 12.46	+31 21.8	1.813	2.758	7.5	19.7
11 27	2 5.24	+30 0.6	1.875	2.774	10.2	19.9
12 7	2 0.63	+28 40.2	1.960	2.791	13.0	20.2

308934 2006 SV_{372} 11 1.5 320°.51 0°.6/ 1.9 18

9 28	2 48.33	+19 43.9	1.650	2.497	15.2	20.2
10 8	2 44.65	+18 58.6	1.564	2.481	11.5	20.0
10 18	2 38.59	+17 56.2	1.500	2.467	7.3	19.7
10 28	2 30.92	+16 39.9	1.462	2.452	2.5	19.3
11 7	2 22.69	+15 15.9	1.451	2.438	2.6	19.3
11 17	2 15.09	+13 52.2	1.467	2.425	7.5	19.6
11 27	2 9.20	+12 37.7	1.509	2.412	12.0	19.8
12 7	2 5.76	+11 38.7	1.573	2.399	15.9	20.0

443453 2014 HB_{171} 11 1.5 84°.36 4°.4/29.0 18

9 28	2 51.49	+ 4 50.4	1.843	2.702	13.3	20.8
10 8	2 46.35	+ 3 49.8	1.791	2.714	9.9	20.6
10 18	2 39.29	+ 2 48.5	1.762	2.727	6.5	20.4
10 28	2 31.05	+ 1 52.6	1.760	2.739	4.5	20.3
11 7	2 22.62	+ 1 8.1	1.786	2.751	5.9	20.4
11 17	2 14.94	+ 0 39.3	1.840	2.763	9.0	20.6
11 27	2 8.85	+ 0 28.8	1.918	2.775	12.2	20.9
12 7	2 4.86	+ 0 36.6	2.018	2.786	14.9	21.1

520240 2014 DG_{154} 11 1.5 262°.82 5°.9/27.3 18

9 28	2 50.14	+ 3 1.5	1.796	2.659	13.4	21.4
10 8	2 45.62	+ 1 25.9	1.724	2.648	10.2	21.2
10 18	2 39.02	− 0 12.1	1.676	2.637	7.2	21.0
10 28	2 31.02	− 1 44.1	1.655	2.626	5.9	20.9
11 7	2 22.61	− 3 1.7	1.662	2.614	7.6	20.9
11 17	2 14.80	− 3 58.4	1.696	2.602	10.8	21.1
11 27	2 8.52	− 4 30.2	1.753	2.591	14.1	21.3
12 7	2 4.43	− 4 36.9	1.830	2.579	17.0	21.5

144279 2004 CG_{101} 11 1.5 191°.62 2°.5/30.1 18

9 28	2 50.34	+ 9 34.3	2.328	3.174	11.3	20.6
10 8	2 45.30	+ 8 36.1	2.253	3.173	8.4	20.5
10 18	2 38.60	+ 7 32.8	2.204	3.171	5.2	20.3
10 28	2 30.86	+ 6 28.9	2.183	3.169	2.6	20.1
11 7	2 22.85	+ 5 29.5	2.192	3.167	3.9	20.2
11 17	2 15.35	+ 4 39.4	2.230	3.164	7.1	20.4
11 27	2 9.10	+ 4 2.4	2.296	3.160	10.1	20.6
12 7	2 4.62	+ 3 40.5	2.385	3.156	12.8	20.7

515938 2015 RV_{25} 11 1.5 51°.61 2°.6/ 3.4 18

9 28	2 52.42	+23 15.1	1.768	2.594	15.2	21.1
10 8	2 47.43	+23 9.2	1.700	2.601	11.8	20.9
10 18	2 40.14	+22 47.3	1.654	2.609	7.9	20.7
10 28	2 31.37	+22 10.5	1.633	2.617	3.9	20.5
11 7	2 22.24	+21 22.3	1.640	2.625	3.1	20.5
11 17	2 13.89	+20 28.5	1.674	2.633	6.6	20.7
11 27	2 7.33	+19 36.1	1.735	2.641	10.5	21.0
12 7	2 3.21	+18 51.2	1.820	2.650	13.9	21.2

407578 2011 AA_{31} 11 1.5 27°.32 5°.1/ 5.9 18

9 28	2 51.58	+30 43.8	2.061	2.849	14.7	20.4
10 8	2 46.72	+30 57.7	1.985	2.853	12.0	20.2
10 18	2 39.70	+30 53.1	1.931	2.857	9.0	20.0
10 28	2 31.25	+30 28.9	1.900	2.862	6.2	19.9
11 7	2 22.40	+29 46.8	1.897	2.867	5.1	19.8
11 17	2 14.22	+28 51.2	1.922	2.872	6.7	19.9
11 27	2 7.67	+27 48.8	1.974	2.877	9.6	20.1
12 7	2 3.40	+26 47.0	2.050	2.883	12.4	20.3

412436 2014 EG_{50} 11 1.5 270°.54 8°.8/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 56.35	+38 27.4	1.804	2.554	17.8	19.8
10 8	2 51.02	+39 9.1	1.720	2.549	15.3	19.7
10 18	2 42.70	+39 25.8	1.654	2.544	12.6	19.5
10 28	2 32.27	+39 12.8	1.610	2.538	10.1	19.3
11 7	2 21.09	+38 29.0	1.591	2.533	8.8	19.2
11 17	2 10.70	+37 18.3	1.598	2.528	9.6	19.3
11 27	2 2.49	+35 49.7	1.629	2.522	11.9	19.4
12 7	1 57.34	+34 14.6	1.685	2.517	14.7	19.6

62752 2000 UB_6 11 1.5 42°.88 0°.3/ 1.7 18 R

9 28	2 52.38	+18 12.4	1.295	2.154	17.8	18.9
10 8	2 47.77	+17 36.9	1.248	2.171	13.3	18.6
10 18	2 40.43	+16 45.9	1.221	2.190	8.2	18.4
10 28	2 31.46	+15 43.9	1.218	2.208	2.6	18.1
11 7	2 22.26	+14 38.1	1.241	2.228	3.0	18.2
11 17	2 14.21	+13 37.0	1.289	2.248	8.2	18.6
11 27	2 8.40	+12 48.0	1.362	2.268	12.8	18.9
12 7	2 5.44	+12 15.8	1.457	2.289	16.6	19.2

181211 2005 SQ_{190} 11 1.5 56°.36 1°.3/31.5 18

9 28	2 51.20	+12 53.5	1.855	2.706	13.6	19.9
10 8	2 46.24	+12 22.3	1.795	2.717	10.0	19.7
10 18	2 39.28	+11 44.1	1.759	2.729	6.0	19.5
10 28	2 31.10	+11 2.5	1.750	2.740	2.0	19.2
11 7	2 22.67	+10 22.4	1.768	2.752	3.1	19.4
11 17	2 14.96	+ 9 48.5	1.815	2.764	7.1	19.6
11 27	2 8.86	+ 9 25.1	1.888	2.776	10.8	19.9
12 7	2 4.90	+ 9 14.7	1.984	2.788	13.9	20.1

140565 2001 TO_{210} 11 1.5 149°.44 5°.3/ 6.3 18

9 28	2 54.73	+32 27.4	2.267	3.033	14.1	20.4
10 8	2 48.93	+32 42.1	2.187	3.039	11.6	20.2
10 18	2 40.99	+32 38.5	2.129	3.044	8.8	20.1
10 28	2 31.66	+32 15.1	2.096	3.050	6.3	19.9
11 7	2 21.94	+31 33.2	2.091	3.054	5.3	19.9
11 17	2 12.88	+30 36.8	2.115	3.059	6.6	20.0
11 27	2 5.43	+29 32.3	2.166	3.063	9.2	20.1
12 7	2 0.22	+28 27.0	2.243	3.066	11.8	20.3

82234 2001 JT_1 11 1.5 151°.11 1°.5/31.4 18

9 28	2 55.58	+12 46.2	1.838	2.681	14.0	20.3
10 8	2 49.52	+12 7.2	1.772	2.690	10.4	20.1
10 18	2 41.31	+11 20.4	1.730	2.698	6.3	19.8
10 28	2 31.74	+10 29.9	1.715	2.705	2.2	19.6
11 7	2 21.88	+ 9 40.8	1.729	2.712	3.4	19.7
11 17	2 12.79	+ 8 58.8	1.772	2.718	7.5	20.0
11 27	2 5.42	+ 8 28.4	1.842	2.723	11.4	20.2
12 7	2 0.38	+ 8 12.5	1.934	2.728	14.6	20.4

183951 2004 DF_{43} 11 1.5 145°.50 0°.6/ 1.0 17

9 28	2 56.13	+14 44.9	1.814	2.653	14.3	21.0
10 8	2 49.99	+14 18.9	1.747	2.663	10.7	20.8
10 18	2 41.62	+13 43.8	1.704	2.671	6.5	20.6
10 28	2 31.85	+13 2.7	1.688	2.679	2.0	20.3
11 7	2 21.75	+12 20.2	1.701	2.687	2.8	20.4
11 17	2 12.45	+11 41.7	1.743	2.693	7.2	20.7
11 27	2 4.92	+11 12.2	1.812	2.700	11.2	20.9
12 7	1 59.78	+10 55.1	1.903	2.705	14.5	21.2

17345 2216 T-3 11 1.5 127°.25 2°.1/ 2.8 18

9 28	2 57.84	+21 20.2	1.522	2.354	17.0	18.4
10 8	2 51.75	+21 12.7	1.458	2.364	13.0	18.1
10 18	2 42.90	+20 48.7	1.415	2.374	8.4	17.9
10 28	2 32.28	+20 9.5	1.397	2.383	3.7	17.7
11 7	2 21.24	+19 19.4	1.406	2.392	3.0	17.6
11 17	2 11.21	+18 25.2	1.443	2.401	7.6	17.9
11 27	2 3.37	+17 34.9	1.505	2.409	12.0	18.2
12 7	1 58.43	+16 54.9	1.591	2.416	15.8	18.5

91987 1999 VF_{114} 11 1.5 335°.79 4°.7/ 5.2 18

9 28	2 51.41	+28 55.8	1.971	2.769	14.9	19.0
10 8	2 46.76	+29 10.1	1.887	2.764	12.0	18.8
10 18	2 39.82	+29 6.6	1.825	2.759	8.8	18.6
10 28	2 31.34	+28 44.0	1.787	2.754	5.8	18.4
11 7	2 22.33	+28 4.1	1.776	2.750	4.8	18.4
11 17	2 13.94	+27 11.1	1.793	2.746	6.8	18.5
11 27	2 7.20	+26 11.9	1.837	2.742	10.0	18.7
12 7	2 2.82	+25 13.9	1.905	2.739	13.2	18.9

487478 2014 SW_{201} 11 1.5 171°.07 2°.7/29.9 18

9 28	2 49.90	+ 6 44.9	2.583	3.429	10.4	21.8
10 8	2 44.81	+ 6 8.6	2.512	3.431	7.7	21.6
10 18	2 38.25	+ 5 30.7	2.467	3.432	4.9	21.5
10 28	2 30.77	+ 4 54.5	2.450	3.434	2.8	21.3
11 7	2 23.07	+ 4 23.9	2.464	3.435	3.9	21.4
11 17	2 15.82	+ 4 1.9	2.506	3.436	6.6	21.6
11 27	2 9.70	+ 3 50.9	2.577	3.437	9.3	21.8
12 7	2 5.16	+ 3 52.2	2.671	3.437	11.7	21.9

523067 2016 QG_{92} 11 1.5 265°.21 3°.7/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 52.93	+ 7 53.4	1.587	2.449	14.9	21.5
10 8	2 47.97	+ 7 2.8	1.517	2.444	11.1	21.2
10 18	2 40.57	+ 6 7.3	1.469	2.438	7.0	21.0
10 28	2 31.57	+ 5 13.0	1.447	2.433	3.9	20.8
11 7	2 22.09	+ 4 26.7	1.452	2.427	5.5	20.9
11 17	2 13.35	+ 3 54.4	1.484	2.421	9.6	21.1
11 27	2 6.42	+ 3 40.3	1.541	2.415	13.6	21.3
12 7	2 2.01	+ 3 45.7	1.618	2.410	17.1	21.6

511880 2015 GJ_{39} 11 1.5 121°.86 3°.6/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.90	+ 6 43.4	1.760	2.613	14.1	21.8
10 8	2 49.74	+ 6 4.4	1.704	2.626	10.5	21.6
10 18	2 41.41	+ 5 23.3	1.672	2.638	6.6	21.4
10 28	2 31.77	+ 4 45.3	1.666	2.650	3.7	21.3
11 7	2 21.90	+ 4 15.7	1.689	2.662	5.1	21.4
11 17	2 12.87	+ 3 58.5	1.740	2.673	8.7	21.6
11 27	2 5.62	+ 3 56.5	1.816	2.684	12.2	21.9
12 7	2 0.72	+ 4 10.3	1.915	2.694	15.2	22.1

154214 2002 JV_{39} 11 1.5 103°.51 1°.9/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.86	+11 26.3	2.324	3.170	11.3	19.8
10 8	2 44.15	+10 28.5	2.259	3.180	8.3	19.7
10 18	2 37.88	+ 9 24.9	2.220	3.189	5.0	19.5
10 28	2 30.66	+ 8 19.8	2.210	3.198	2.2	19.3
11 7	2 23.25	+ 7 18.3	2.229	3.207	3.4	19.4
11 17	2 16.40	+ 6 25.1	2.277	3.216	6.6	19.6
11 27	2 10.80	+ 5 43.9	2.353	3.225	9.6	19.8
12 7	2 6.91	+ 5 17.1	2.453	3.234	12.2	20.0

519858 2013 NH_{28} 11 1.5 141°.47 0°.8/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.95	+13 6.8	2.918	3.750	9.7	22.8
10 8	2 44.69	+12 42.1	2.848	3.760	7.1	22.7
10 18	2 38.11	+12 12.5	2.804	3.770	4.3	22.5
10 28	2 30.73	+11 40.2	2.790	3.780	1.4	22.3
11 7	2 23.17	+11 8.2	2.806	3.790	2.1	22.4
11 17	2 16.06	+10 39.4	2.853	3.799	5.0	22.6
11 27	2 9.98	+10 16.7	2.929	3.807	7.7	22.8
12 7	2 5.35	+10 2.2	3.030	3.815	10.0	23.0

460475 2014 SZ_{268} 11 1.5 11°.59 0°.7/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.20	+18 47.0	1.760	2.606	14.4	21.1
10 8	2 44.26	+18 22.4	1.693	2.610	10.9	20.9
10 18	2 38.21	+17 44.9	1.648	2.614	6.8	20.7
10 28	2 30.81	+16 57.5	1.629	2.619	2.4	20.4
11 7	2 23.07	+16 4.8	1.637	2.625	2.4	20.4
11 17	2 16.02	+15 12.8	1.673	2.631	6.7	20.7
11 27	2 10.60	+14 27.5	1.735	2.638	10.6	21.0
12 7	2 7.40	+13 53.7	1.819	2.646	14.0	21.2

434061 2001 UY_{224} 11 1.5 73°.48 1°.2/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.80	+12 45.7	1.511	2.365	15.9	20.7
10 8	2 50.11	+12 33.2	1.451	2.374	11.9	20.5
10 18	2 41.85	+12 13.1	1.413	2.382	7.2	20.3
10 28	2 31.96	+11 48.7	1.401	2.391	2.3	20.0
11 7	2 21.69	+11 24.7	1.416	2.400	3.4	20.1
11 17	2 12.35	+11 5.9	1.458	2.410	8.2	20.4
11 27	2 5.06	+10 57.1	1.525	2.419	12.5	20.7
12 7	2 0.48	+11 1.0	1.614	2.428	16.1	20.9

30512 2001 HO_{8} 11 1.5 246°.84 6°.6/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 46.25	−16 37.5	3.857	4.661	8.1	19.5
10 8	2 41.79	−17 37.1	3.792	4.643	7.2	19.5
10 18	2 36.31	−18 28.1	3.751	4.625	6.6	19.4
10 28	2 30.17	−19 6.7	3.738	4.606	6.7	19.4
11 7	2 23.84	−19 30.1	3.751	4.587	7.3	19.4
11 17	2 17.77	−19 36.7	3.789	4.568	8.4	19.5
11 27	2 12.42	−19 26.2	3.851	4.549	9.6	19.5
12 7	2 8.14	−18 59.7	3.932	4.529	10.7	19.6

115669 2003 UW_{143} 11 1.5 251°.41 2°.8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.43	+26 12.7	1.836	2.650	15.2	19.3
10 8	2 46.72	+25 34.3	1.756	2.649	11.9	19.1
10 18	2 39.74	+24 35.5	1.697	2.647	8.1	18.8
10 28	2 31.30	+23 17.9	1.664	2.646	4.3	18.6
11 7	2 22.48	+21 46.6	1.660	2.644	3.1	18.5
11 17	2 14.40	+20 9.3	1.684	2.643	6.6	18.7
11 27	2 8.05	+18 34.9	1.735	2.641	10.5	19.0
12 7	2 4.08	+17 11.4	1.811	2.639	14.0	19.2

56586 2000 JK_{31} 11 1.5 160°.99 0°.7/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.52	+18 35.1	1.947	2.775	13.9	19.6
10 8	2 49.51	+18 15.5	1.874	2.781	10.5	19.4
10 18	2 41.34	+17 44.2	1.824	2.786	6.6	19.1
10 28	2 31.80	+17 3.1	1.801	2.791	2.3	18.9
11 7	2 21.90	+16 16.4	1.808	2.795	2.3	18.9
11 17	2 12.71	+15 29.1	1.844	2.798	6.5	19.2
11 27	2 5.20	+14 47.1	1.907	2.801	10.4	19.4
12 7	1 59.98	+14 14.9	1.994	2.803	13.7	19.6

401695 2013 HW_{23} 11 1.5 140°.71 0°.7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 54.96	+16 32.9	2.348	3.172	12.0	20.9
10 8	2 48.80	+16 45.7	2.273	3.178	9.0	20.7
10 18	2 40.80	+16 51.4	2.222	3.183	5.6	20.5
10 28	2 31.62	+16 50.8	2.199	3.188	2.0	20.3
11 7	2 22.09	+16 45.8	2.207	3.193	2.0	20.3
11 17	2 13.12	+16 38.9	2.245	3.198	5.6	20.5
11 27	2 5.50	+16 33.7	2.311	3.203	8.9	20.7
12 7	1 59.82	+16 33.0	2.403	3.207	11.8	20.9

451981 2014 NS_{49} 11 1.5 1°.39 1°.0/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.91	+14 53.2	2.118	2.962	12.4	20.9
10 8	2 44.43	+13 58.7	2.044	2.962	9.2	20.7
10 18	2 38.17	+12 54.6	1.994	2.962	5.5	20.5
10 28	2 30.79	+11 45.1	1.972	2.962	1.8	20.3
11 7	2 23.12	+10 35.7	1.979	2.962	2.8	20.3
11 17	2 16.02	+ 9 31.9	2.015	2.963	6.6	20.6
11 27	2 10.28	+ 8 39.1	2.078	2.963	10.1	20.8
12 7	2 6.43	+ 8 0.6	2.165	2.963	13.1	21.0

501549 2014 KC_{85} 11 1.5 28°.69 14°.9/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.79	+47 50.3	0.991	1.752	28.6	20.5
10 8	2 51.84	+48 24.1	0.934	1.757	25.5	20.2
10 18	2 43.98	+48 6.5	0.888	1.763	21.9	20.0
10 28	2 32.76	+46 46.5	0.856	1.769	18.3	19.8
11 7	2 20.83	+44 22.6	0.842	1.776	15.6	19.7
11 17	2 10.93	+41 6.6	0.849	1.784	15.0	19.7
11 27	2 5.02	+37 22.8	0.878	1.793	16.9	19.9
12 7	2 3.81	+33 39.2	0.927	1.802	20.1	20.1

48811 1997 WH 11 1.5 298°.49 2°.0/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.66	+23 36.4	2.336	3.151	12.3	19.0
10 8	2 44.27	+23 9.9	2.248	3.143	9.6	18.8
10 18	2 38.11	+22 29.3	2.183	3.136	6.4	18.6
10 28	2 30.80	+21 36.2	2.146	3.129	3.1	18.3
11 7	2 23.15	+20 33.9	2.137	3.122	2.4	18.3
11 17	2 15.99	+19 27.3	2.158	3.115	5.5	18.5
11 27	2 10.12	+18 22.4	2.207	3.109	8.8	18.7
12 7	2 6.09	+17 24.4	2.281	3.102	11.8	18.9

155349 2007 CL_{17} 11 1.5 185°.65 0°.2/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.60	+16 50.1	1.879	2.713	14.1	21.2
10 8	2 49.70	+16 34.2	1.802	2.714	10.6	21.0
10 18	2 41.55	+16 7.7	1.749	2.713	6.6	20.8
10 28	2 31.90	+15 32.9	1.722	2.712	2.1	20.5
11 7	2 21.82	+14 53.6	1.724	2.711	2.5	20.5
11 17	2 12.42	+14 14.9	1.756	2.709	6.9	20.8
11 27	2 4.71	+13 42.3	1.814	2.707	10.9	21.0
12 7	1 59.36	+13 19.9	1.896	2.704	14.3	21.3

27441 2000 FN_{47} 11 1.5 63°.53 0°.2/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.54	+15 2.5	1.800	2.644	14.2	18.4
10 8	2 48.15	+14 54.0	1.734	2.651	10.6	18.2
10 18	2 40.56	+14 36.9	1.691	2.658	6.5	18.0
10 28	2 31.58	+14 13.7	1.675	2.666	2.0	17.7
11 7	2 22.24	+13 48.1	1.687	2.674	2.6	17.7
11 17	2 13.65	+13 24.6	1.727	2.681	6.9	18.0
11 27	2 6.76	+13 7.6	1.794	2.689	10.9	18.3
12 7	2 2.20	+13 0.5	1.884	2.697	14.2	18.5

327469 2005 XX_{109} 11 1.5 152°.84 3°.8/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.77	+ 4 6.0	2.449	3.300	10.7	21.4
10 8	2 44.05	+ 3 11.9	2.383	3.303	8.0	21.2
10 18	2 37.84	+ 2 17.4	2.343	3.305	5.3	21.1
10 28	2 30.70	+ 1 27.1	2.331	3.307	3.8	21.0
11 7	2 23.33	+ 0 45.4	2.348	3.310	5.0	21.1
11 17	2 16.46	+ 0 16.0	2.394	3.312	7.5	21.2
11 27	2 10.74	+ 0 1.1	2.467	3.313	10.2	21.4
12 7	2 6.63	+ 0 1.5	2.562	3.315	12.5	21.6

188839 2006 CA_{6} 11 1.5 298°.45 4°.6/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.56	+ 3 1.0	2.166	3.024	11.6	20.4
10 8	2 44.12	+ 1 58.0	2.098	3.019	8.8	20.2
10 18	2 37.98	+ 0 54.8	2.054	3.015	6.1	20.0
10 28	2 30.76	− 0 2.9	2.037	3.011	4.6	19.9
11 7	2 23.25	− 0 49.8	2.049	3.006	5.9	20.0
11 17	2 16.25	− 1 21.5	2.089	3.002	8.7	20.2
11 27	2 10.52	− 1 35.4	2.153	2.998	11.5	20.4
12 7	2 6.59	− 1 31.2	2.240	2.994	14.1	20.5

431733 2008 FH_{61} 11 1.5 103°.86 2°.1/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.06	+10 41.6	1.576	2.428	15.5	21.6
10 8	2 50.87	+10 17.2	1.520	2.442	11.5	21.4
10 18	2 42.23	+ 9 47.1	1.487	2.456	6.9	21.1
10 28	2 32.10	+ 9 15.5	1.480	2.469	2.7	20.9
11 7	2 21.68	+ 8 47.5	1.500	2.482	4.0	21.0
11 17	2 12.23	+ 8 27.9	1.549	2.495	8.4	21.3
11 27	2 4.78	+ 8 20.5	1.623	2.507	12.4	21.6
12 7	1 59.95	+ 8 27.3	1.718	2.519	15.8	21.8

280152 2002 PN_{138} 11 1.5 66°.12 6°.1/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 52.57	+ 2 38.5	1.616	2.480	14.6	20.0
10 8	2 47.19	+ 1 1.8	1.585	2.509	10.9	19.9
10 18	2 39.79	− 0 32.2	1.577	2.537	7.6	19.8
10 28	2 31.28	− 1 55.0	1.596	2.566	6.1	19.7
11 7	2 22.74	− 2 59.0	1.642	2.594	7.6	19.9
11 17	2 15.19	− 3 39.7	1.714	2.622	10.6	20.1
11 27	2 9.44	− 3 55.6	1.810	2.650	13.6	20.4
12 7	2 5.95	− 3 48.5	1.926	2.677	16.1	20.6

155545 1999 TH_{306} 11 1.5 329°.13 0°.3/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.63	+17 27.8	1.885	2.728	13.7	20.6
10 8	2 45.32	+17 5.3	1.804	2.720	10.3	20.4
10 18	2 38.91	+16 31.6	1.747	2.713	6.4	20.2
10 28	2 31.09	+15 49.0	1.715	2.706	2.1	19.9
11 7	2 22.84	+15 1.9	1.712	2.699	2.4	19.9
11 17	2 15.15	+14 15.6	1.736	2.692	6.7	20.2
11 27	2 9.00	+13 35.7	1.787	2.686	10.7	20.4
12 7	2 5.02	+13 6.7	1.861	2.681	14.1	20.6

342190 2008 SV_{202} 11 1.5 47°.20 0°.3/ 1.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.78	+16 53.4	1.316	2.172	17.7	21.1
10 8	2 49.53	+16 40.0	1.270	2.192	13.2	20.9
10 18	2 41.53	+16 13.7	1.245	2.213	8.1	20.7
10 28	2 31.88	+15 37.8	1.243	2.234	2.6	20.4
11 7	2 22.01	+14 57.9	1.268	2.256	2.9	20.5
11 17	2 13.31	+14 20.5	1.320	2.278	8.1	20.9
11 27	2 6.90	+13 52.1	1.395	2.300	12.6	21.2
12 7	2 3.39	+13 36.9	1.492	2.323	16.4	21.5

304328 2006 SK_{206} 11 1.5 309°.17 0°.0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.94	+15 10.3	1.852	2.696	13.9	20.6
10 8	2 47.80	+15 4.7	1.774	2.691	10.4	20.4
10 18	2 40.44	+14 50.7	1.719	2.686	6.4	20.1
10 28	2 31.59	+14 30.3	1.691	2.681	2.0	19.8
11 7	2 22.26	+14 7.0	1.690	2.677	2.5	19.9
11 17	2 13.54	+13 44.9	1.718	2.672	6.9	20.1
11 27	2 6.44	+13 28.7	1.773	2.668	10.9	20.4
12 7	2 1.63	+13 22.0	1.850	2.664	14.4	20.6

170414 2003 UG_{32} 11 1.5 147°.86 1°.3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.85	+19 15.8	2.147	2.967	13.1	21.0
10 8	2 49.61	+19 16.3	2.074	2.975	10.0	20.8
10 18	2 41.37	+19 6.4	2.025	2.983	6.3	20.6
10 28	2 31.84	+18 47.2	2.003	2.991	2.6	20.4
11 7	2 21.98	+18 21.2	2.011	2.998	2.2	20.4
11 17	2 12.77	+17 52.3	2.049	3.004	5.9	20.6
11 27	2 5.10	+17 25.2	2.115	3.010	9.5	20.8
12 7	1 59.56	+17 4.1	2.206	3.015	12.5	21.1

256696 2008 AS_{1} 11 1.5 195°.34 0°.3/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.42	+15 57.9	1.587	2.428	16.0	20.7
10 8	2 52.23	+15 57.2	1.512	2.427	12.1	20.5
10 18	2 43.30	+15 46.3	1.460	2.425	7.5	20.2
10 28	2 32.52	+15 26.8	1.433	2.423	2.4	19.9
11 7	2 21.14	+15 2.2	1.434	2.421	2.8	19.9
11 17	2 10.56	+14 37.7	1.463	2.418	7.8	20.2
11 27	2 2.02	+14 18.8	1.518	2.414	12.4	20.5
12 7	1 56.29	+14 10.2	1.595	2.410	16.2	20.7

73320 2002 JE_{92} 11 1.5 90°.38 0°.4/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.29	+17 31.7	1.735	2.577	14.8	19.6
10 8	2 48.12	+17 14.4	1.664	2.579	11.1	19.4
10 18	2 40.64	+16 45.4	1.616	2.581	6.9	19.1
10 28	2 31.64	+16 7.0	1.594	2.584	2.3	18.8
11 7	2 22.24	+15 23.8	1.599	2.586	2.5	18.9
11 17	2 13.57	+14 41.1	1.633	2.588	7.0	19.1
11 27	2 6.67	+14 5.0	1.692	2.591	11.2	19.4
12 7	2 2.20	+13 39.9	1.775	2.593	14.7	19.6

191217 2002 RX_{43} 11 1.5 2°.14 0°.9/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.94	+13 34.9	1.791	2.647	13.8	19.2
10 8	2 44.79	+13 17.0	1.722	2.646	10.2	18.9
10 18	2 38.57	+12 51.4	1.676	2.646	6.2	18.7
10 28	2 30.99	+12 21.3	1.655	2.646	2.0	18.4
11 7	2 23.03	+11 51.0	1.662	2.648	2.9	18.5
11 17	2 15.71	+11 25.2	1.697	2.650	7.1	18.8
11 27	2 9.95	+11 8.1	1.757	2.653	11.0	19.0
12 7	2 6.37	+11 2.8	1.840	2.656	14.3	19.3

224027 Grégoire 11 1.5 81°.95 2°.4/31.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.96	+11 31.3	1.457	2.313	16.3	20.5
10 8	2 50.76	+10 44.1	1.414	2.338	12.0	20.3
10 18	2 42.10	+ 9 49.9	1.393	2.363	7.2	20.1
10 28	2 32.04	+ 8 54.3	1.398	2.388	2.9	19.9
11 7	2 21.88	+ 8 4.3	1.431	2.412	4.3	20.1
11 17	2 12.86	+ 7 25.6	1.491	2.436	8.7	20.4
11 27	2 5.99	+ 7 2.8	1.576	2.459	12.8	20.7
12 7	2 1.81	+ 6 57.4	1.682	2.482	16.1	21.0

161726 2006 RB_{102} 11 1.5 326°.74 0°.2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.13	+16 5.2	1.781	2.628	14.2	20.3
10 8	2 46.49	+15 38.4	1.706	2.624	10.7	20.0
10 18	2 39.65	+15 0.9	1.653	2.620	6.5	19.8
10 28	2 31.34	+14 15.6	1.626	2.617	2.0	19.5
11 7	2 22.60	+13 27.3	1.627	2.614	2.6	19.5
11 17	2 14.51	+12 41.8	1.656	2.611	7.1	19.8
11 27	2 8.06	+12 4.8	1.711	2.608	11.2	20.0
12 7	2 3.91	+11 40.4	1.789	2.605	14.7	20.3

472518 2015 CL_{41} 11 1.5 283°.52 3°.9/ 3.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.77	+23 18.6	1.365	2.200	18.4	21.6
10 8	2 51.73	+23 42.8	1.284	2.189	14.5	21.4
10 18	2 43.39	+23 49.4	1.222	2.177	10.0	21.1
10 28	2 32.64	+23 36.4	1.184	2.166	5.4	20.8
11 7	2 20.94	+23 5.7	1.171	2.154	4.4	20.7
11 17	2 10.00	+22 22.6	1.184	2.143	8.6	20.9
11 27	2 1.40	+21 36.3	1.221	2.132	13.5	21.2
12 7	1 56.17	+20 55.7	1.279	2.120	17.9	21.4

218528 2004 TS_{339} 11 1.5 67°.83 0°.4/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.45	+15 29.9	2.077	2.919	12.7	21.0
10 8	2 45.57	+15 0.2	2.012	2.928	9.4	20.8
10 18	2 38.87	+14 21.9	1.971	2.938	5.7	20.6
10 28	2 31.05	+13 38.1	1.957	2.948	1.7	20.3
11 7	2 22.99	+12 52.9	1.972	2.958	2.4	20.4
11 17	2 15.56	+12 11.1	2.016	2.968	6.3	20.7
11 27	2 9.57	+11 37.2	2.087	2.978	9.8	20.9
12 7	2 5.53	+11 14.4	2.182	2.988	12.7	21.1

3826 Handel 11 1.5 302°.03 0°.5/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.63	+16 53.3	1.295	2.158	17.5	16.9
10 8	2 47.74	+16 9.5	1.216	2.143	13.3	16.6
10 18	2 40.85	+15 8.4	1.157	2.128	8.2	16.2
10 28	2 31.81	+13 54.1	1.122	2.113	2.5	15.9
11 7	2 22.00	+12 34.4	1.112	2.099	3.5	15.9
11 17	2 12.95	+11 19.2	1.128	2.085	9.4	16.2
11 27	2 6.09	+10 18.2	1.167	2.071	14.6	16.4
12 7	2 2.31	+ 9 37.9	1.226	2.058	19.2	16.7

181448 2006 TQ_{19} 11 1.5 11°.83 0°.5/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.73	+18 32.1	1.883	2.722	13.9	20.4
10 8	2 46.07	+18 0.1	1.809	2.722	10.5	20.2
10 18	2 39.32	+17 15.6	1.758	2.722	6.5	20.0
10 28	2 31.23	+16 21.3	1.733	2.723	2.2	19.7
11 7	2 22.77	+15 22.0	1.736	2.723	2.3	19.7
11 17	2 14.97	+14 23.7	1.768	2.724	6.6	20.0
11 27	2 8.75	+13 32.5	1.827	2.725	10.5	20.3
12 7	2 4.73	+12 53.3	1.909	2.726	13.9	20.5

383016 2005 ME_{39} 11 1.5 47°.65 4°.1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.10	+24 57.8	1.159	2.001	20.6	20.0
10 8	2 51.63	+25 6.4	1.120	2.027	16.0	19.8
10 18	2 42.94	+24 51.6	1.098	2.054	10.8	19.6
10 28	2 32.34	+24 14.1	1.099	2.081	5.9	19.5
11 7	2 21.57	+23 19.3	1.125	2.109	4.5	19.5
11 17	2 12.28	+22 16.2	1.176	2.137	8.4	19.8
11 27	2 5.74	+21 15.2	1.250	2.165	12.9	20.1
12 7	2 2.53	+20 24.9	1.346	2.194	16.8	20.4

484146 2006 TL_{59} 11 1.5 330°.28 2°.0/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.17	+22 28.0	1.553	2.396	16.1	21.2
10 8	2 44.79	+22 2.4	1.468	2.380	12.5	21.0
10 18	2 38.86	+21 17.6	1.403	2.364	8.3	20.7
10 28	2 31.16	+20 15.2	1.363	2.350	3.7	20.4
11 7	2 22.82	+19 0.4	1.349	2.336	2.9	20.3
11 17	2 15.12	+17 40.8	1.361	2.322	7.5	20.5
11 27	2 9.26	+16 25.9	1.399	2.310	12.1	20.8
12 7	2 6.03	+15 23.5	1.459	2.299	16.2	21.0

178625 2000 GH_{35} 11 1.5 321°.00 1°.9/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.97	+19 54.3	1.788	2.620	14.8	19.7
10 8	2 48.74	+20 6.3	1.709	2.616	11.4	19.5
10 18	2 41.11	+20 6.5	1.652	2.611	7.4	19.2
10 28	2 31.84	+19 55.1	1.621	2.607	3.3	19.0
11 7	2 22.02	+19 34.6	1.618	2.604	2.8	18.9
11 17	2 12.83	+19 9.1	1.642	2.600	6.8	19.2
11 27	2 5.38	+18 44.2	1.693	2.596	10.9	19.4
12 7	2 0.41	+18 25.2	1.768	2.593	14.4	19.6

76291 2000 EH_{126} 11 1.5 151°.09 1°.7/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.27	+20 44.7	2.319	3.132	12.5	20.1
10 8	2 49.10	+20 50.2	2.244	3.139	9.6	20.0
10 18	2 41.04	+20 45.2	2.192	3.147	6.2	19.8
10 28	2 31.77	+20 30.1	2.168	3.153	2.8	19.6
11 7	2 22.16	+20 7.3	2.174	3.159	2.3	19.5
11 17	2 13.14	+19 40.1	2.210	3.165	5.6	19.8
11 27	2 5.55	+19 13.0	2.275	3.170	8.9	20.0
12 7	1 59.96	+18 50.1	2.365	3.175	11.7	20.2

309736 2008 SV_{200} 11 1.5 315°.32 1°.1/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 52.73	+19 17.9	1.593	2.436	15.8	20.6
10 8	2 48.01	+19 3.4	1.517	2.431	12.1	20.4
10 18	2 40.74	+18 34.5	1.462	2.426	7.7	20.1
10 28	2 31.73	+17 53.1	1.433	2.422	2.9	19.8
11 7	2 22.18	+17 3.7	1.430	2.417	2.7	19.8
11 17	2 13.36	+16 12.7	1.455	2.413	7.4	20.1
11 27	2 6.43	+15 27.2	1.505	2.409	11.9	20.3
12 7	2 2.15	+14 53.0	1.577	2.405	15.8	20.6

108142 2001 HE_{1} 11 1.5 284°.43 1°.6/ 2.6 17

9 28	2 54.31	+18 51.0	2.245	3.066	12.6	19.4
10 8	2 48.64	+19 13.5	2.153	3.055	9.6	19.2
10 18	2 40.92	+19 27.8	2.085	3.043	6.2	19.0
10 28	2 31.78	+19 33.7	2.044	3.031	2.7	18.7
11 7	2 22.09	+19 32.7	2.033	3.019	2.4	18.7
11 17	2 12.83	+19 27.0	2.052	3.007	5.9	18.9
11 27	2 4.92	+19 20.5	2.099	2.996	9.4	19.1
12 7	1 59.06	+19 16.9	2.170	2.984	12.5	19.3

353029 2009 CH_{17} 11 1.5 176°.85 7°.4/25.9 18

9 28	2 51.04	− 4 20.4	2.007	2.859	12.6	20.7
10 8	2 46.03	− 5 46.1	1.951	2.860	10.1	20.6
10 18	2 39.17	− 7 5.9	1.920	2.861	8.0	20.5
10 28	2 31.17	− 8 12.3	1.915	2.861	7.5	20.4
11 7	2 22.91	− 8 59.0	1.938	2.861	8.8	20.5
11 17	2 15.27	− 9 22.3	1.986	2.861	11.1	20.7
11 27	2 9.07	− 9 21.0	2.058	2.861	13.6	20.8
12 7	2 4.84	− 8 57.1	2.150	2.861	15.8	21.0

46208 2001 FB_{160} 11 1.5 110°.64 0°.0/ 1.6 18

9 28	2 50.56	+16 33.2	2.553	3.381	11.0	20.1
10 8	2 45.35	+16 11.6	2.486	3.394	8.2	19.9
10 18	2 38.62	+15 42.4	2.443	3.407	5.0	19.7
10 28	2 30.98	+15 7.7	2.430	3.420	1.6	19.5
11 7	2 23.14	+14 30.7	2.446	3.433	1.9	19.5
11 17	2 15.84	+13 55.0	2.493	3.445	5.2	19.8
11 27	2 9.74	+13 24.3	2.568	3.457	8.2	20.0
12 7	2 5.29	+13 1.5	2.668	3.469	10.8	20.2

406752 2008 JD_{22} 11 1.5 149°.53 3°.8/29.7 18

9 28	2 53.33	+ 2 57.4	2.326	3.171	11.4	21.3
10 8	2 47.50	+ 2 35.8	2.260	3.175	8.6	21.2
10 18	2 39.99	+ 2 15.8	2.218	3.179	5.7	21.0
10 28	2 31.42	+ 2 0.9	2.205	3.183	3.8	20.9
11 7	2 22.61	+ 1 54.5	2.221	3.186	4.8	21.0
11 17	2 14.36	+ 1 59.0	2.267	3.190	7.6	21.1
11 27	2 7.40	+ 2 15.9	2.339	3.193	10.4	21.3
12 7	2 2.26	+ 2 45.1	2.435	3.196	12.9	21.5

246824 2009 TR_{41} 11 1.5 0°.38 2°.8/29.9 18

9 28	2 48.25	+ 9 5.3	2.076	2.932	12.1	20.5
10 8	2 43.97	+ 8 8.6	2.007	2.932	9.0	20.3
10 18	2 37.94	+ 7 7.1	1.962	2.931	5.6	20.0
10 28	2 30.80	+ 6 5.7	1.945	2.931	2.9	19.9
11 7	2 23.37	+ 5 10.1	1.957	2.931	4.3	20.0
11 17	2 16.49	+ 4 25.0	1.996	2.932	7.6	20.2
11 27	2 10.95	+ 3 54.5	2.062	2.932	10.9	20.4
12 7	2 7.28	+ 3 40.3	2.151	2.933	13.7	20.6

126545 2002 CV_{93} 11 1.5 152°.37 2°.3/30.6 18

9 28	2 53.81	+ 9 45.0	2.104	2.949	12.4	20.8
10 8	2 48.00	+ 9 3.3	2.038	2.957	9.2	20.6
10 18	2 40.35	+ 8 16.9	1.997	2.964	5.6	20.4
10 28	2 31.54	+ 7 30.2	1.984	2.971	2.6	20.2
11 7	2 22.49	+ 6 47.7	2.000	2.978	3.8	20.3
11 17	2 14.08	+ 6 13.9	2.045	2.983	7.3	20.6
11 27	2 7.14	+ 5 52.2	2.118	2.989	10.6	20.8
12 7	2 2.20	+ 5 44.6	2.214	2.993	13.4	21.0

354598 2005 AD_{20} 11 1.5 12°.92 8°.5/ 7.8 18

9 28	2 49.89	+35 5.3	1.248	2.056	21.3	19.0
10 8	2 46.77	+35 28.9	1.186	2.060	17.9	18.8
10 18	2 40.33	+35 20.2	1.142	2.065	14.0	18.6
10 28	2 31.64	+34 35.8	1.117	2.072	10.4	18.4
11 7	2 22.38	+33 18.2	1.115	2.080	8.5	18.3
11 17	2 14.27	+31 36.0	1.136	2.089	9.8	18.4
11 27	2 8.76	+29 43.2	1.181	2.100	13.2	18.6
12 7	2 6.63	+27 53.7	1.248	2.111	16.8	18.9

81817 2000 KH_{35} 11 1.5 171°.68 4°.8/29.2 18

9 28	2 53.96	+ 1 13.2	2.079	2.928	12.4	19.4
10 8	2 48.15	+ 0 42.6	2.013	2.929	9.4	19.2
10 18	2 40.47	+ 0 14.7	1.972	2.930	6.5	19.0
10 28	2 31.60	− 0 5.7	1.958	2.931	4.8	18.9
11 7	2 22.43	− 0 14.7	1.972	2.932	5.9	19.0
11 17	2 13.87	− 0 9.5	2.015	2.932	8.7	19.2
11 27	2 6.77	+ 0 11.2	2.084	2.932	11.7	19.3
12 7	2 1.68	+ 0 46.9	2.175	2.932	14.3	19.5

164946 1999 XF_{192} 11 1.5 277°.42 5°.4/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 54.57	+31 4.8	2.032	2.813	15.1	20.0
10 8	2 49.39	+31 16.2	1.923	2.787	12.4	19.8
10 18	2 41.67	+31 8.2	1.835	2.760	9.4	19.5
10 28	2 32.10	+30 38.3	1.772	2.733	6.5	19.3
11 7	2 21.72	+29 47.0	1.736	2.705	5.4	19.2
11 17	2 11.76	+28 38.3	1.728	2.677	7.3	19.3
11 27	2 3.45	+27 19.7	1.747	2.649	10.7	19.4
12 7	1 57.65	+26 0.3	1.791	2.620	14.1	19.6

435282 2007 TV_{333} 11 1.5 49°.06 0°.6/ 1.9 18

9 28	2 59.41	+17 22.0	1.337	2.184	18.0	20.5
10 8	2 52.59	+17 15.4	1.308	2.225	13.4	20.3
10 18	2 43.17	+16 55.9	1.301	2.267	8.2	20.1
10 28	2 32.37	+16 26.6	1.318	2.308	2.7	19.9
11 7	2 21.68	+15 52.8	1.363	2.350	2.8	20.0
11 17	2 12.41	+15 20.6	1.434	2.392	7.7	20.4
11 27	2 5.58	+14 55.8	1.531	2.433	11.9	20.8
12 7	2 1.64	+14 42.3	1.650	2.474	15.4	21.1

55740 1989 YL_{2} 11 1.5 326°.12 3°.1/29.9 17

9 28	2 47.77	+ 7 14.0	2.161	3.018	11.7	18.6
10 8	2 43.66	+ 6 34.1	2.081	3.006	8.7	18.4
10 18	2 37.80	+ 5 51.2	2.025	2.993	5.5	18.2
10 28	2 30.79	+ 5 9.7	1.997	2.981	3.1	18.0
11 7	2 23.40	+ 4 34.2	1.996	2.970	4.4	18.1
11 17	2 16.47	+ 4 8.8	2.024	2.958	7.6	18.2
11 27	2 10.78	+ 3 56.8	2.078	2.948	10.8	18.4
12 7	2 6.90	+ 3 59.5	2.154	2.937	13.6	18.6

224128 2005 QC_{18} 11 1.5 340°.67 0°.0/ 1.3 18

9 28	2 51.05	+15 44.2	1.180	2.052	18.3	19.9
10 8	2 47.52	+15 39.9	1.110	2.041	13.9	19.6
10 18	2 40.81	+15 22.9	1.059	2.030	8.6	19.3
10 28	2 31.85	+14 55.7	1.030	2.021	2.8	18.9
11 7	2 22.10	+14 23.5	1.026	2.013	3.3	18.9
11 17	2 13.18	+13 53.3	1.045	2.006	9.3	19.2
11 27	2 6.61	+13 32.5	1.088	2.000	14.6	19.5
12 7	2 3.30	+13 26.3	1.149	1.996	19.2	19.8

477387 2009 VV_{26} 11 1.5 303°.28 2°.4/ 3.2 18

9 28	2 51.91	+23 7.9	1.463	2.302	17.2	21.3
10 8	2 47.74	+22 45.0	1.381	2.291	13.4	21.1
10 18	2 40.76	+22 1.6	1.320	2.279	8.9	20.8
10 28	2 31.80	+20 58.8	1.283	2.269	4.1	20.5
11 7	2 22.17	+19 41.7	1.271	2.258	3.2	20.4
11 17	2 13.30	+18 18.7	1.287	2.247	7.9	20.7
11 27	2 6.49	+17 0.1	1.327	2.237	12.7	20.9
12 7	2 2.57	+15 54.5	1.389	2.228	16.9	21.2

431773 2008 JK_{11} 11 1.5 85°.54 5°.1/29.2 18

9 28	2 54.42	+ 4 53.3	1.488	2.353	15.5	21.1
10 8	2 48.97	+ 3 50.6	1.439	2.365	11.6	20.9
10 18	2 41.12	+ 2 47.1	1.412	2.378	7.6	20.7
10 28	2 31.82	+ 1 50.3	1.410	2.390	5.2	20.6
11 7	2 22.27	+ 1 7.2	1.435	2.402	6.7	20.7
11 17	2 13.69	+ 0 43.1	1.487	2.414	10.4	20.9
11 27	2 7.09	+ 0 40.4	1.562	2.426	14.1	21.2
12 7	2 3.07	+ 0 58.4	1.658	2.438	17.2	21.4

442976 2013 CB_{147} 11 1.5 18°.67 3°.1/30.6 18

9 28	2 51.58	+ 8 26.0	1.591	2.455	14.8	20.4
10 8	2 46.90	+ 7 53.8	1.531	2.459	11.0	20.2
10 18	2 39.92	+ 7 17.8	1.493	2.463	6.8	19.9
10 28	2 31.47	+ 6 43.1	1.480	2.467	3.3	19.7
11 7	2 22.66	+ 6 15.1	1.494	2.472	4.8	19.8
11 17	2 14.63	+ 5 58.4	1.535	2.478	8.8	20.1
11 27	2 8.40	+ 5 56.7	1.601	2.484	12.7	20.3
12 7	2 4.59	+ 6 10.8	1.688	2.490	16.0	20.6

64419 2001 UG_{186} 11 1.5 297°.90 4°.4/ 4.3 18 R

9 28	2 54.22	+26 6.0	1.539	2.361	17.3	20.0
10 8	2 49.50	+26 19.9	1.456	2.351	13.8	19.8
10 18	2 41.87	+26 14.4	1.393	2.341	9.8	19.5
10 28	2 32.18	+25 47.8	1.354	2.331	5.8	19.3
11 7	2 21.73	+25 2.2	1.341	2.321	4.6	19.2
11 17	2 11.99	+24 3.4	1.354	2.312	7.9	19.3
11 27	2 4.34	+23 0.4	1.392	2.303	12.2	19.6
12 7	1 59.67	+22 2.3	1.453	2.293	16.2	19.8

485556 2011 UT_{143} 11 1.5 10°.11 6°.4/29.1 18

9 28	2 51.73	+ 0 46.6	1.372	2.246	16.1	20.0
10 8	2 47.25	+ 0 10.3	1.320	2.248	12.3	19.8
10 18	2 40.22	− 0 21.4	1.288	2.252	8.6	19.6
10 28	2 31.57	− 0 41.3	1.281	2.256	6.5	19.5
11 7	2 22.56	− 0 43.7	1.299	2.262	7.9	19.6
11 17	2 14.46	− 0 25.5	1.341	2.268	11.3	19.8
11 27	2 8.37	+ 0 13.9	1.407	2.276	15.0	20.1
12 7	2 4.94	+ 1 12.2	1.492	2.284	18.2	20.3

480953 2003 SA_{337} 11 1.5 36°.78 7°.3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 55.69	− 2 59.4	1.532	2.391	15.5	20.9
10 8	2 49.89	− 3 32.0	1.481	2.398	12.1	20.7
10 18	2 41.69	− 3 56.1	1.453	2.405	8.9	20.5
10 28	2 32.01	− 4 5.1	1.449	2.413	7.3	20.5
11 7	2 22.05	− 3 54.4	1.471	2.422	8.5	20.5
11 17	2 13.03	− 3 22.1	1.519	2.430	11.5	20.7
11 27	2 5.97	− 2 28.9	1.591	2.439	14.7	21.0
12 7	2 1.48	− 1 18.1	1.683	2.449	17.6	21.2

228492 2001 ST_{233} 11 1.5 323°.82 1°.6/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.00	+12 44.3	1.358	2.225	16.6	19.9
10 8	2 47.83	+12 19.0	1.284	2.213	12.5	19.6
10 18	2 40.83	+11 43.9	1.230	2.202	7.6	19.3
10 28	2 31.84	+11 3.4	1.201	2.192	2.6	19.0
11 7	2 22.16	+10 23.6	1.197	2.182	4.0	19.0
11 17	2 13.23	+ 9 51.3	1.219	2.172	9.2	19.3
11 27	2 6.38	+ 9 32.5	1.264	2.163	14.1	19.6
12 7	2 2.43	+ 9 30.8	1.330	2.155	18.3	19.8

165500 2001 BC_{57} 11 1.5 200°.48 3°.7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.11	+29 12.9	2.397	3.177	13.1	20.6
10 8	2 48.37	+28 58.5	2.305	3.173	10.5	20.4
10 18	2 40.68	+28 27.0	2.236	3.168	7.6	20.2
10 28	2 31.71	+27 38.2	2.194	3.163	4.8	20.0
11 7	2 22.35	+26 34.6	2.181	3.157	3.8	19.9
11 17	2 13.57	+25 20.9	2.198	3.150	5.8	20.1
11 27	2 6.22	+24 3.7	2.244	3.143	8.8	20.2
12 7	2 0.92	+22 49.7	2.316	3.135	11.7	20.4

266739 2009 SN_{31} 11 1.5 133°.60 0°.5/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.84	+16 55.5	1.715	2.550	15.2	21.2
10 8	2 51.49	+16 51.2	1.649	2.560	11.5	21.0
10 18	2 42.71	+16 36.2	1.605	2.569	7.1	20.8
10 28	2 32.35	+16 12.4	1.589	2.578	2.4	20.5
11 7	2 21.62	+15 43.5	1.600	2.587	2.5	20.6
11 17	2 11.73	+15 14.3	1.640	2.595	7.1	20.9
11 27	2 3.77	+14 50.2	1.707	2.603	11.3	21.1
12 7	1 58.39	+14 35.5	1.797	2.610	14.8	21.4

511407 2014 HS_{28} 11 1.5 160°.46 1°.2/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.12	+12 34.7	2.253	3.091	12.0	22.1
10 8	2 47.46	+12 4.5	2.181	3.096	8.9	21.9
10 18	2 40.03	+11 28.1	2.134	3.101	5.3	21.7
10 28	2 31.48	+10 48.7	2.116	3.106	1.8	21.5
11 7	2 22.67	+10 10.2	2.127	3.110	2.8	21.6
11 17	2 14.43	+ 9 36.7	2.168	3.114	6.4	21.8
11 27	2 7.56	+ 9 12.0	2.237	3.117	9.7	22.1
12 7	2 2.58	+ 8 58.5	2.330	3.119	12.6	22.3

382672 2002 TG_{205} 11 1.5 357°.13 3°.5/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.41	+ 8 8.9	0.957	1.850	19.6	19.9
10 8	2 47.36	+ 8 5.8	0.901	1.844	14.7	19.6
10 18	2 40.82	+ 7 59.8	0.863	1.839	9.2	19.3
10 28	2 31.88	+ 7 56.3	0.846	1.836	4.0	19.0
11 7	2 22.19	+ 8 1.3	0.852	1.835	5.7	19.1
11 17	2 13.58	+ 8 19.4	0.879	1.836	11.3	19.4
11 27	2 7.65	+ 8 53.9	0.927	1.838	16.7	19.7
12 7	2 5.26	+ 9 44.8	0.993	1.843	21.2	20.0

226391 2003 PN_{7} 11 1.5 70°.05 3°.9/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.78	+28 34.2	2.132	2.925	14.1	20.2
10 8	2 47.40	+28 32.1	2.069	2.944	11.2	20.0
10 18	2 40.04	+28 12.9	2.029	2.964	8.0	19.9
10 28	2 31.48	+27 36.8	2.014	2.984	5.1	19.7
11 7	2 22.71	+26 46.5	2.028	3.004	4.0	19.7
11 17	2 14.69	+25 47.1	2.070	3.023	6.0	19.9
11 27	2 8.27	+24 45.0	2.140	3.043	8.9	20.1
12 7	2 4.00	+23 46.4	2.235	3.062	11.7	20.3

206184 2002 TW_{317} 11 1.5 211°.81 5°.4/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.78	+32 27.4	2.415	3.174	13.6	20.9
10 8	2 50.56	+32 53.0	2.321	3.167	11.2	20.7
10 18	2 42.15	+33 2.0	2.248	3.160	8.7	20.5
10 28	2 32.22	+32 52.1	2.201	3.152	6.3	20.4
11 7	2 21.74	+32 23.4	2.183	3.143	5.4	20.3
11 17	2 11.75	+31 39.0	2.193	3.134	6.7	20.4
11 27	2 3.27	+30 44.5	2.232	3.124	9.2	20.5
12 7	1 57.01	+29 46.8	2.296	3.113	11.8	20.7

139829 2001 RG_{34} 11 1.5 332°.50 2°.7/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.11	+12 15.1	1.476	2.347	15.3	18.6
10 8	2 43.96	+11 11.2	1.398	2.331	11.4	18.4
10 18	2 38.35	+ 9 55.6	1.342	2.315	7.0	18.1
10 28	2 31.05	+ 8 34.7	1.311	2.300	3.0	17.8
11 7	2 23.18	+ 7 16.7	1.306	2.286	4.7	17.9
11 17	2 15.95	+ 6 10.3	1.326	2.273	9.4	18.1
11 27	2 10.49	+ 5 22.6	1.371	2.261	13.9	18.4
12 7	2 7.56	+ 4 57.3	1.436	2.250	17.7	18.6

142832 2002 VZ_{11} 11 1.5 26°.10 2°.1/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 53.50	+10 2.4	1.731	2.585	14.2	19.7
10 8	2 48.23	+ 9 46.5	1.664	2.587	10.6	19.4
10 18	2 40.72	+ 9 26.2	1.620	2.590	6.5	19.2
10 28	2 31.75	+ 9 4.9	1.603	2.592	2.6	19.0
11 7	2 22.39	+ 8 47.0	1.613	2.595	3.8	19.1
11 17	2 13.75	+ 8 36.5	1.652	2.598	7.9	19.3
11 27	2 6.83	+ 8 36.9	1.715	2.602	11.8	19.6
12 7	2 2.26	+ 8 49.8	1.802	2.605	15.1	19.8

322368 2011 LU_{4} 11 1.5 147°.43 1°.5/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.31	+12 32.7	1.920	2.764	13.5	21.8
10 8	2 48.59	+11 54.9	1.853	2.771	10.0	21.6
10 18	2 40.82	+11 10.0	1.810	2.778	6.0	21.4
10 28	2 31.76	+10 21.6	1.795	2.785	2.1	21.1
11 7	2 22.42	+ 9 35.0	1.809	2.791	3.3	21.2
11 17	2 13.78	+ 8 55.0	1.851	2.797	7.3	21.5
11 27	2 6.76	+ 8 26.3	1.921	2.802	11.0	21.7
12 7	2 1.93	+ 8 11.4	2.013	2.807	14.1	22.0

9152 Combe 11 1.5 14°.79 2°.7/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.08	+22 12.8	0.916	1.795	21.6	17.3
10 8	2 44.93	+22 2.1	0.871	1.802	16.7	17.1
10 18	2 39.28	+21 26.4	0.842	1.810	10.9	16.8
10 28	2 31.36	+20 28.5	0.833	1.821	4.9	16.5
11 7	2 22.96	+19 16.7	0.846	1.834	3.7	16.5
11 17	2 15.87	+18 2.6	0.882	1.848	9.3	16.9
11 27	2 11.53	+16 58.1	0.938	1.865	14.7	17.2
12 7	2 10.64	+16 11.5	1.013	1.883	19.3	17.6

481605 2007 TH_{398} 11 1.5 129°.84 1°.2/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.58	+10 51.0	1.882	2.724	13.8	21.0
10 8	2 51.14	+10 59.7	1.812	2.728	10.3	20.8
10 18	2 42.46	+11 4.7	1.765	2.732	6.3	20.6
10 28	2 32.32	+11 7.7	1.746	2.736	2.1	20.3
11 7	2 21.76	+11 11.5	1.755	2.740	3.0	20.4
11 17	2 11.90	+11 18.8	1.794	2.743	7.2	20.7
11 27	2 3.74	+11 32.3	1.861	2.747	11.0	20.9
12 7	1 57.94	+11 54.1	1.950	2.750	14.3	21.2

1030 Vitja 11 1.5 209°.62 2°.9/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.26	+ 7 39.8	2.628	3.475	10.2	15.8
10 8	2 43.68	+ 6 34.9	2.551	3.471	7.5	15.6
10 18	2 37.68	+ 5 26.4	2.501	3.467	4.8	15.4
10 28	2 30.77	+ 4 18.8	2.480	3.462	2.9	15.3
11 7	2 23.62	+ 3 16.8	2.488	3.457	4.1	15.3
11 17	2 16.89	+ 2 24.7	2.527	3.452	6.8	15.5
11 27	2 11.22	+ 1 45.9	2.593	3.446	9.5	15.7
12 7	2 7.07	+ 1 22.0	2.682	3.441	11.9	15.8

225767 2001 SL_{283} 11 1.5 298°.30 0°.4/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.75	+17 32.3	1.491	2.342	16.3	20.8
10 8	2 48.35	+17 14.3	1.406	2.325	12.4	20.5
10 18	2 41.17	+16 42.3	1.342	2.309	7.8	20.2
10 28	2 32.00	+15 58.5	1.303	2.293	2.6	19.9
11 7	2 22.08	+15 7.8	1.290	2.277	2.9	19.8
11 17	2 12.79	+14 17.1	1.303	2.261	8.2	20.1
11 27	2 5.45	+13 34.1	1.342	2.245	13.1	20.4
12 7	2 0.94	+13 4.7	1.401	2.230	17.3	20.6

302719 2002 TL_{284} 11 1.5 11°.67 3°.4/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.32	+27 14.3	1.542	2.367	17.1	19.3
10 8	2 45.56	+26 36.7	1.471	2.369	13.5	19.1
10 18	2 39.25	+25 35.1	1.421	2.372	9.3	18.9
10 28	2 31.32	+24 11.2	1.395	2.375	5.1	18.6
11 7	2 23.00	+22 31.3	1.395	2.379	3.6	18.6
11 17	2 15.55	+20 44.6	1.422	2.384	7.2	18.8
11 27	2 10.06	+19 2.1	1.476	2.389	11.4	19.0
12 7	2 7.20	+17 32.6	1.552	2.395	15.2	19.3

4514 Vilen 11 1.5 202°.49 4°.5/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.31	+ 4 39.4	1.843	2.695	13.6	18.0
10 8	2 49.48	+ 3 48.5	1.771	2.691	10.2	17.7
10 18	2 41.46	+ 2 56.2	1.724	2.687	6.8	17.5
10 28	2 32.01	+ 2 8.3	1.703	2.682	4.5	17.4
11 7	2 22.16	+ 1 30.8	1.711	2.677	5.9	17.5
11 17	2 12.97	+ 1 8.2	1.747	2.671	9.3	17.7
11 27	2 5.41	+ 1 3.6	1.808	2.664	12.8	17.9
12 7	2 0.14	+ 1 17.4	1.891	2.657	15.9	18.1

401426 2013 CT_{95} 11 1.5 102°.32 4°.8/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.96	+29 37.0	2.044	2.831	14.8	21.4
10 8	2 49.28	+29 53.8	1.972	2.841	12.0	21.3
10 18	2 41.36	+29 52.7	1.921	2.850	8.8	21.1
10 28	2 31.98	+29 32.7	1.895	2.859	5.9	20.9
11 7	2 22.21	+28 55.3	1.897	2.868	4.8	20.9
11 17	2 13.16	+28 5.0	1.927	2.877	6.7	21.0
11 27	2 5.83	+27 8.4	1.985	2.886	9.6	21.2
12 7	2 0.87	+26 12.6	2.067	2.895	12.5	21.4

488029 2015 UD_{30} 11 1.5 350°.92 1°.0/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.32	+13 24.9	1.794	2.646	13.9	20.8
10 8	2 46.63	+13 6.1	1.722	2.643	10.4	20.6
10 18	2 39.78	+12 39.8	1.672	2.641	6.3	20.3
10 28	2 31.50	+12 8.8	1.648	2.639	2.0	20.0
11 7	2 22.80	+11 37.6	1.653	2.638	3.0	20.1
11 17	2 14.74	+11 10.8	1.685	2.637	7.3	20.4
11 27	2 8.29	+10 53.1	1.743	2.636	11.2	20.6
12 7	2 4.10	+10 47.3	1.823	2.636	14.6	20.8

523227 2016 XC_{14} 11 1.5 286°.66 4°.7/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.05	+30 28.6	1.826	2.622	16.0	20.5
10 8	2 47.45	+30 10.5	1.739	2.615	13.0	20.2
10 18	2 40.40	+29 29.5	1.673	2.608	9.5	20.0
10 28	2 31.72	+28 25.1	1.631	2.601	6.1	19.8
11 7	2 22.53	+27 0.6	1.617	2.594	4.7	19.7
11 17	2 14.07	+25 23.0	1.631	2.587	7.0	19.8
11 27	2 7.42	+23 41.8	1.671	2.580	10.6	20.0
12 7	2 3.29	+22 6.6	1.736	2.573	14.1	20.3

103836 2000 DU_{29} 11 1.5 196°.08 1°.0/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.87	+14 22.7	1.924	2.764	13.6	21.1
10 8	2 49.14	+13 45.9	1.846	2.762	10.2	20.9
10 18	2 41.26	+12 59.8	1.792	2.759	6.2	20.6
10 28	2 31.97	+12 7.7	1.765	2.755	2.0	20.4
11 7	2 22.26	+11 14.7	1.767	2.751	3.0	20.4
11 17	2 13.19	+10 26.3	1.798	2.746	7.2	20.7
11 27	2 5.72	+ 9 48.0	1.856	2.741	11.1	20.9
12 7	2 0.51	+ 9 23.3	1.938	2.735	14.4	21.1

221752 2007 EA_{209} 11 1.5 29°.42 3°.4/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.47	+24 25.3	1.993	2.805	14.3	19.6
10 8	2 48.20	+24 49.2	1.920	2.810	11.2	19.5
10 18	2 40.73	+24 59.4	1.868	2.815	7.8	19.3
10 28	2 31.81	+24 55.1	1.843	2.820	4.5	19.1
11 7	2 22.45	+24 38.0	1.846	2.826	3.6	19.0
11 17	2 13.73	+24 11.6	1.876	2.832	6.3	19.2
11 27	2 6.63	+23 41.3	1.934	2.838	9.7	19.4
12 7	2 1.82	+23 12.8	2.016	2.844	12.8	19.6

190692 2001 EC_{7} 11 1.5 184°.92 3°.9/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.90	+ 2 25.8	2.769	3.616	9.7	20.8
10 8	2 44.06	+ 1 29.6	2.700	3.616	7.4	20.7
10 18	2 37.88	+ 0 34.0	2.657	3.615	5.1	20.5
10 28	2 30.85	− 0 16.9	2.643	3.614	3.9	20.5
11 7	2 23.62	− 0 59.0	2.659	3.613	5.0	20.5
11 17	2 16.80	− 1 29.0	2.704	3.612	7.2	20.7
11 27	2 10.99	− 1 44.9	2.775	3.610	9.6	20.8
12 7	2 6.64	− 1 46.2	2.870	3.607	11.7	21.0

169831 2002 QL_{80} 11 1.5 106°.10 2°.3/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.80	+11 12.7	1.871	2.723	13.4	20.8
10 8	2 46.74	+10 17.3	1.809	2.731	9.9	20.6
10 18	2 39.71	+ 9 15.2	1.771	2.740	6.0	20.4
10 28	2 31.45	+ 8 11.5	1.760	2.748	2.6	20.2
11 7	2 22.94	+ 7 12.2	1.778	2.757	4.0	20.3
11 17	2 15.14	+ 6 22.9	1.824	2.765	7.7	20.6
11 27	2 8.92	+ 5 48.0	1.896	2.773	11.3	20.8
12 7	2 4.83	+ 5 29.8	1.991	2.781	14.4	21.0

319136 2005 YJ_{11} 11 1.5 89°.20 3°.0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.37	+25 40.6	2.194	2.999	13.3	21.0
10 8	2 46.45	+25 34.5	2.113	3.000	10.5	20.8
10 18	2 39.58	+25 13.4	2.055	3.000	7.3	20.6
10 28	2 31.44	+24 37.6	2.023	3.001	4.1	20.4
11 7	2 22.92	+23 49.8	2.020	3.001	3.2	20.3
11 17	2 14.99	+22 54.6	2.045	3.002	5.8	20.5
11 27	2 8.50	+21 57.9	2.099	3.002	9.1	20.7
12 7	2 4.07	+21 5.6	2.177	3.003	12.1	20.9

68171 2001 BL_{33} 11 1.5 233°.31 4°.5/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.85	+30 22.1	2.490	3.265	12.8	19.3
10 8	2 47.52	+30 36.6	2.398	3.258	10.4	19.1
10 18	2 40.25	+30 35.7	2.328	3.251	7.8	19.0
10 28	2 31.67	+30 18.3	2.284	3.244	5.4	18.8
11 7	2 22.63	+29 45.3	2.269	3.237	4.5	18.7
11 17	2 14.07	+28 59.9	2.282	3.229	6.0	18.8
11 27	2 6.85	+28 7.4	2.324	3.222	8.6	19.0
12 7	2 1.62	+27 13.9	2.391	3.214	11.2	19.1

44757 1999 TF_{113} 11 1.5 71°.73 2°.6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.90	+22 59.3	1.339	2.176	18.6	18.9
10 8	2 51.28	+22 45.7	1.287	2.195	14.3	18.7
10 18	2 42.75	+22 12.2	1.255	2.214	9.4	18.4
10 28	2 32.44	+21 20.5	1.248	2.233	4.4	18.2
11 7	2 21.86	+20 16.6	1.266	2.252	3.3	18.2
11 17	2 12.50	+19 8.6	1.311	2.271	7.8	18.5
11 27	2 5.56	+18 6.1	1.381	2.290	12.4	18.8
12 7	2 1.66	+17 16.2	1.473	2.309	16.2	19.1

49912 1999 XY_{170} 11 1.6 214°.85 0°.5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 56.96	+14 27.2	1.780	2.620	14.5	19.2
10 8	2 50.96	+14 16.4	1.699	2.614	10.9	18.9
10 18	2 42.53	+13 57.0	1.642	2.608	6.7	18.7
10 28	2 32.43	+13 31.4	1.611	2.602	2.1	18.4
11 7	2 21.78	+13 3.3	1.609	2.594	2.8	18.4
11 17	2 11.78	+12 37.4	1.635	2.587	7.4	18.7
11 27	2 3.54	+12 18.8	1.688	2.579	11.7	18.9
12 7	1 57.80	+12 11.1	1.764	2.570	15.3	19.1

74296 1998 SV_{147} 11 1.6 301°.33 2°.0/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.92	+18 33.1	1.735	2.568	15.2	18.9
10 8	2 51.27	+19 8.5	1.645	2.552	11.7	18.6
10 18	2 42.93	+19 35.0	1.578	2.537	7.7	18.4
10 28	2 32.63	+19 51.7	1.536	2.522	3.4	18.1
11 7	2 21.50	+19 59.2	1.522	2.508	3.0	18.0
11 17	2 10.86	+20 0.2	1.536	2.493	7.3	18.2
11 27	2 2.01	+19 59.3	1.577	2.479	11.6	18.5
12 7	1 55.83	+20 1.4	1.641	2.465	15.4	18.7

196580 2003 QJ_{41} 11 1.6 87°.38 3°.9/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.54	+28 1.9	2.357	3.143	13.1	19.9
10 8	2 48.62	+28 20.3	2.291	3.161	10.5	19.8
10 18	2 40.82	+28 24.1	2.247	3.179	7.6	19.6
10 28	2 31.83	+28 12.5	2.230	3.197	4.9	19.5
11 7	2 22.56	+27 47.3	2.241	3.215	4.0	19.5
11 17	2 13.95	+27 11.8	2.282	3.232	5.8	19.6
11 27	2 6.82	+26 31.2	2.351	3.249	8.5	19.8
12 7	2 1.74	+25 51.0	2.445	3.266	11.1	20.0

149159 2002 FG_{33} 11 1.6 101°.87 7°.1/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.49	− 7 9.3	2.367	3.208	11.3	19.9
10 8	2 45.31	− 8 22.6	2.327	3.224	9.2	19.8
10 18	2 38.64	− 9 27.7	2.312	3.241	7.5	19.7
10 28	2 31.11	−10 18.6	2.324	3.257	7.1	19.7
11 7	2 23.45	−10 50.9	2.363	3.272	8.1	19.8
11 17	2 16.40	−11 2.5	2.429	3.288	9.9	20.0
11 27	2 10.61	−10 53.1	2.519	3.303	11.9	20.1
12 7	2 6.50	−10 24.7	2.629	3.318	13.7	20.3

366086 2012 CS_{45} 11 1.6 123°.92 2°.6/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.17	+ 8 12.6	2.390	3.237	11.0	21.4
10 8	2 45.17	+ 7 28.4	2.325	3.245	8.2	21.3
10 18	2 38.62	+ 6 41.3	2.287	3.253	5.1	21.1
10 28	2 31.13	+ 5 55.2	2.276	3.261	2.7	20.9
11 7	2 23.42	+ 5 14.4	2.295	3.269	3.8	21.0
11 17	2 16.25	+ 4 42.7	2.343	3.277	6.7	21.2
11 27	2 10.30	+ 4 22.8	2.419	3.284	9.7	21.4
12 7	2 6.03	+ 4 16.1	2.518	3.291	12.2	21.6

98897 2001 BL_{44} 11 1.6 299°.57 17°.2/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 9.54	+57 13.6	1.896	2.494	21.3	19.1
10 8	3 3.59	+59 30.5	1.811	2.479	20.2	19.0
10 18	2 52.25	+61 20.6	1.740	2.464	19.1	18.8
10 28	2 36.05	+62 31.9	1.685	2.448	18.0	18.7
11 7	2 17.09	+62 54.8	1.647	2.434	17.3	18.6
11 17	1 58.63	+62 26.3	1.627	2.419	17.2	18.6
11 27	1 44.00	+61 12.8	1.626	2.404	17.6	18.6
12 7	1 35.15	+59 27.9	1.642	2.390	18.6	18.6

429118 2009 SC_{243} 11 1.6 51°.52 7°.2/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 0.22	+29 30.5	1.280	2.094	20.6	19.9
10 8	2 54.29	+30 30.4	1.229	2.112	16.7	19.7
10 18	2 44.89	+31 6.1	1.196	2.131	12.4	19.5
10 28	2 33.21	+31 13.2	1.185	2.150	8.6	19.3
11 7	2 21.01	+30 52.6	1.199	2.169	7.2	19.3
11 17	2 10.12	+30 10.2	1.238	2.189	9.4	19.5
11 27	2 2.04	+29 16.6	1.301	2.209	13.1	19.8
12 7	1 57.54	+28 22.8	1.384	2.229	16.6	20.0

98810 2000 YR_{119} 11 1.6 306°.69 5°.3/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.90	+29 54.3	1.648	2.452	17.1	19.0
10 8	2 48.42	+29 59.3	1.564	2.444	13.9	18.8
10 18	2 41.20	+29 41.7	1.499	2.435	10.3	18.6
10 28	2 32.07	+28 59.8	1.458	2.427	6.8	18.4
11 7	2 22.29	+27 55.9	1.443	2.418	5.4	18.3
11 17	2 13.24	+26 36.1	1.455	2.410	7.8	18.4
11 27	2 6.18	+25 10.2	1.492	2.403	11.5	18.6
12 7	2 1.94	+23 48.2	1.553	2.395	15.2	18.8

358241 2006 SQ_{337} 11 1.6 303°.07 2°.7/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.27	+ 9 16.1	1.847	2.703	13.4	21.8
10 8	2 46.54	+ 8 36.2	1.773	2.697	10.0	21.5
10 18	2 39.73	+ 7 51.3	1.723	2.692	6.2	21.3
10 28	2 31.54	+ 7 6.1	1.700	2.687	3.0	21.1
11 7	2 22.95	+ 6 25.8	1.704	2.682	4.3	21.2
11 17	2 14.96	+ 5 55.5	1.736	2.677	8.1	21.4
11 27	2 8.50	+ 5 39.1	1.794	2.672	11.8	21.6
12 7	2 4.22	+ 5 38.5	1.874	2.667	15.0	21.8

461212 2015 VD_{129} 11 1.6 20°.71 2°.1/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 53.78	+ 9 1.2	1.742	2.597	14.1	20.5
10 8	2 48.44	+ 9 0.1	1.679	2.602	10.5	20.3
10 18	2 40.88	+ 8 56.4	1.638	2.607	6.4	20.0
10 28	2 31.90	+ 8 52.9	1.623	2.613	2.6	19.8
11 7	2 22.55	+ 8 53.1	1.637	2.619	3.7	19.9
11 17	2 13.93	+ 8 59.9	1.678	2.625	7.7	20.2
11 27	2 7.01	+ 9 15.9	1.745	2.633	11.5	20.4
12 7	2 2.43	+ 9 42.5	1.835	2.640	14.8	20.7

196063 2002 TD_{34} 11 1.6 10°.09 1°.8/ 2.9 17

9 28	2 50.78	+20 53.2	2.130	2.955	13.0	20.1
10 8	2 46.03	+20 54.9	2.054	2.956	10.0	19.9
10 18	2 39.35	+20 45.3	2.001	2.958	6.5	19.7
10 28	2 31.42	+20 25.2	1.974	2.960	3.0	19.4
11 7	2 23.10	+19 57.3	1.976	2.962	2.4	19.4
11 17	2 15.35	+19 25.2	2.006	2.964	5.8	19.6
11 27	2 9.01	+18 54.0	2.064	2.967	9.2	19.9
12 7	2 4.69	+18 28.1	2.147	2.970	12.3	20.1

20461 Dioretsa 11 1.6 64°.47 0°.6/25.9 00 C

9 28	2 31.86	− 6 14.0	31.137	31.970	1.0	28.9
10 8	2 30.73	− 6 22.6	31.097	31.992	0.8	28.9
10 18	2 29.50	− 6 30.6	31.085	32.014	0.7	28.9
10 28	2 28.22	− 6 37.7	31.102	32.036	0.6	28.9
11 7	2 26.93	− 6 43.7	31.147	32.058	0.7	28.9
11 17	2 25.66	− 6 48.3	31.221	32.079	0.9	28.9
11 27	2 24.45	− 6 51.4	31.322	32.101	1.1	29.0
12 7	2 23.35	− 6 53.0	31.448	32.123	1.3	29.0

44478 1998 WK_6 11 1.6 346°.62 0°.8/ 1.0 18

9 28	2 48.24	+15 9.7	1.333	2.203	16.7	17.5
10 8	2 45.07	+14 39.6	1.262	2.192	12.6	17.3
10 18	2 39.19	+13 56.7	1.211	2.183	7.7	17.0
10 28	2 31.44	+13 5.1	1.184	2.175	2.4	16.6
11 7	2 23.08	+12 11.4	1.182	2.168	3.4	16.7
11 17	2 15.48	+11 23.3	1.205	2.162	8.8	17.0
11 27	2 9.88	+10 48.1	1.252	2.158	13.6	17.2
12 7	2 7.08	+10 30.2	1.318	2.155	17.8	17.5

321901 2010 TM_9 11 1.6 73°.69 0°.5/ 1.9 18

9 28	2 52.33	+17 43.6	1.973	2.809	13.5	21.2
10 8	2 47.21	+17 29.6	1.903	2.815	10.2	21.0
10 18	2 40.08	+17 5.1	1.857	2.821	6.3	20.8
10 28	2 31.65	+16 32.4	1.837	2.827	2.2	20.5
11 7	2 22.89	+15 55.1	1.846	2.833	2.2	20.5
11 17	2 14.79	+15 17.9	1.883	2.839	6.3	20.8
11 27	2 8.24	+14 45.7	1.948	2.845	10.0	21.1
12 7	2 3.82	+14 22.6	2.036	2.851	13.2	21.3

257750 2000 BN 11 1.6 273°.78 1°.2/ 2.3 18

9 28	2 54.62	+19 25.3	1.589	2.428	16.0	20.5
10 8	2 49.71	+19 11.9	1.499	2.411	12.3	20.2
10 18	2 42.04	+18 43.4	1.430	2.393	7.9	19.9
10 28	2 32.38	+18 1.2	1.387	2.376	3.1	19.6
11 7	2 21.94	+17 9.5	1.370	2.357	2.8	19.5
11 17	2 12.09	+16 14.6	1.381	2.339	7.8	19.8
11 27	2 4.14	+15 24.4	1.418	2.321	12.6	20.0
12 7	1 58.97	+14 45.7	1.476	2.302	16.7	20.2

8150 Kaluga 11 1.6 118°.53 2°.7/29.9 18

9 28	2 49.93	+ 6 50.6	2.547	3.393	10.5	17.8
10 8	2 44.91	+ 6 12.5	2.485	3.403	7.8	17.7
10 18	2 38.45	+ 5 32.8	2.447	3.412	4.9	17.5
10 28	2 31.10	+ 4 55.1	2.438	3.422	2.8	17.4
11 7	2 23.56	+ 4 23.1	2.459	3.431	3.8	17.5
11 17	2 16.53	+ 4 0.0	2.509	3.440	6.5	17.7
11 27	2 10.63	+ 3 48.2	2.587	3.448	9.2	17.9
12 7	2 6.32	+ 3 48.6	2.689	3.457	11.6	18.1

180039 2003 AR_{67} 11 1.6 325°.94 10°.0/ 7.5 17

9 28	2 55.69	+37 3.3	1.646	2.413	18.6	20.1
10 8	2 51.16	+38 23.8	1.557	2.396	16.2	19.8
10 18	2 43.31	+39 22.5	1.485	2.379	13.5	19.6
10 28	2 32.89	+39 52.5	1.436	2.363	11.1	19.4
11 7	2 21.28	+39 50.1	1.409	2.348	10.0	19.3
11 17	2 10.19	+39 16.5	1.407	2.334	10.9	19.4
11 27	2 1.34	+38 19.2	1.429	2.320	13.4	19.5
12 7	1 55.87	+37 9.5	1.471	2.307	16.3	19.6

294693 2008 AG_{135} 11 1.6 159°.27 4°.7/ 5.5 18

9 28	2 55.98	+29 48.6	2.313	3.089	13.6	20.9
10 8	2 49.93	+30 12.8	2.232	3.094	11.0	20.7
10 18	2 41.78	+30 21.2	2.174	3.098	8.2	20.5
10 28	2 32.22	+30 12.4	2.141	3.102	5.6	20.4
11 7	2 22.22	+29 47.1	2.137	3.105	4.7	20.3
11 17	2 12.81	+29 8.8	2.161	3.108	6.3	20.4
11 27	2 4.94	+28 22.9	2.214	3.110	9.0	20.6
12 7	1 59.24	+27 35.7	2.292	3.113	11.7	20.8

212283 2005 LC_{21} 11 1.6 197°.27 0°.3/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.83	+18 38.3	2.293	3.119	12.2	21.0
10 8	2 46.64	+17 58.4	2.210	3.116	9.2	20.8
10 18	2 39.66	+17 7.1	2.151	3.113	5.7	20.6
10 28	2 31.53	+16 7.0	2.120	3.110	1.9	20.3
11 7	2 23.08	+15 2.5	2.119	3.106	2.0	20.3
11 17	2 15.16	+13 58.7	2.149	3.102	5.8	20.6
11 27	2 8.57	+13 1.2	2.206	3.097	9.3	20.8
12 7	2 3.86	+12 14.3	2.288	3.092	12.3	21.0

454039 2012 FX_{46} 11 1.6 166°.08 0°.4/ 1.1 18

9 28	2 50.16	+14 51.6	2.695	3.526	10.4	22.5
10 8	2 45.11	+14 24.3	2.619	3.530	7.7	22.3
10 18	2 38.60	+13 50.5	2.567	3.533	4.7	22.1
10 28	2 31.18	+13 12.4	2.545	3.535	1.5	21.9
11 7	2 23.51	+12 33.2	2.552	3.538	2.0	21.9
11 17	2 16.30	+11 56.5	2.590	3.540	5.2	22.1
11 27	2 10.18	+11 25.7	2.657	3.541	8.2	22.3
12 7	2 5.62	+11 3.6	2.749	3.543	10.7	22.5

49068 1998 RF_{54} 11 1.6 68°.72 3°.3/ 3.9 18

9 28	2 56.94	+24 40.2	1.680	2.496	16.3	18.8
10 8	2 50.83	+24 43.2	1.629	2.523	12.7	18.6
10 18	2 42.31	+24 28.7	1.600	2.550	8.6	18.4
10 28	2 32.36	+23 57.5	1.596	2.576	4.6	18.3
11 7	2 22.21	+23 13.2	1.620	2.602	3.6	18.3
11 17	2 13.10	+22 21.7	1.671	2.628	6.8	18.5
11 27	2 6.03	+21 30.4	1.749	2.654	10.5	18.8
12 7	2 1.57	+20 45.7	1.851	2.680	13.7	19.1

307898 2004 CE_{37} 11 1.6 173°.27 5°.3/ 6.1 18

9 28	2 54.22	+31 38.1	2.069	2.847	14.9	20.6
10 8	2 48.87	+31 48.3	1.987	2.848	12.2	20.4
10 18	2 41.23	+31 39.2	1.926	2.849	9.2	20.2
10 28	2 32.08	+31 9.2	1.890	2.849	6.4	20.0
11 7	2 22.47	+30 19.9	1.882	2.850	5.3	20.0
11 17	2 13.52	+29 15.9	1.901	2.850	6.9	20.1
11 27	2 6.28	+28 4.4	1.948	2.850	9.8	20.3
12 7	2 1.40	+26 53.4	2.020	2.850	12.7	20.5

39110 2000 WL_{28} 11 1.6 25°.86 5°.7/29.1 18

9 28	2 50.47	+ 5 23.2	1.223	2.105	17.1	19.2
10 8	2 46.52	+ 4 12.6	1.179	2.114	12.8	18.9
10 18	2 39.90	+ 3 0.6	1.155	2.125	8.4	18.7
10 28	2 31.63	+ 1 56.2	1.155	2.136	5.7	18.6
11 7	2 23.08	+ 1 8.3	1.180	2.149	7.5	18.8
11 17	2 15.58	+ 0 42.9	1.229	2.162	11.5	19.0
11 27	2 10.23	+ 0 42.5	1.300	2.176	15.5	19.3
12 7	2 7.64	+ 1 5.9	1.389	2.191	18.9	19.6

11111 Repunit 11 1.6 48°.34 1°.8/31.3 18

9 28	2 51.34	+11 24.8	1.894	2.746	13.3	17.9
10 8	2 46.46	+10 54.4	1.832	2.754	9.8	17.7
10 18	2 39.61	+10 18.3	1.792	2.762	6.0	17.4
10 28	2 31.53	+ 9 40.3	1.780	2.770	2.3	17.2
11 7	2 23.17	+ 9 4.9	1.796	2.778	3.4	17.3
11 17	2 15.48	+ 8 36.7	1.840	2.787	7.2	17.6
11 27	2 9.33	+ 8 19.6	1.910	2.795	10.8	17.8
12 7	2 5.28	+ 8 15.5	2.004	2.804	13.9	18.0

207107 2005 AT_{24} 11 1.6 322°.04 4°.2/ 4.6 18

9 28	2 51.18	+27 0.6	1.544	2.367	17.2	19.7
10 8	2 47.24	+26 54.6	1.461	2.356	13.7	19.5
10 18	2 40.55	+26 26.5	1.397	2.345	9.7	19.2
10 28	2 31.93	+25 35.8	1.357	2.334	5.7	19.0
11 7	2 22.64	+24 26.0	1.342	2.324	4.4	18.9
11 17	2 14.06	+23 4.1	1.354	2.314	7.6	19.0
11 27	2 7.48	+21 40.3	1.391	2.305	11.9	19.3
12 7	2 3.73	+20 24.1	1.451	2.296	15.9	19.5

156893 2003 EL_{22} 11 1.6 214°.09 1°.6/31.4 18

9 28	2 54.84	+12 5.0	1.951	2.794	13.3	20.9
10 8	2 49.18	+11 32.7	1.871	2.788	9.9	20.6
10 18	2 41.37	+10 53.4	1.814	2.781	6.1	20.4
10 28	2 32.13	+10 10.5	1.784	2.774	2.2	20.1
11 7	2 22.43	+ 9 28.8	1.783	2.766	3.4	20.2
11 17	2 13.32	+ 8 53.1	1.812	2.757	7.4	20.4
11 27	2 5.76	+ 8 28.2	1.867	2.748	11.2	20.6
12 7	2 0.40	+ 8 16.8	1.946	2.739	14.5	20.9

454415 2014 NN_{54} 11 1.6 16°.58 3°.5/30.4 17

9 28	2 51.39	+ 6 21.8	1.672	2.535	14.2	20.3
10 8	2 46.71	+ 6 0.8	1.614	2.540	10.6	20.1
10 18	2 39.85	+ 5 38.9	1.578	2.547	6.7	19.9
10 28	2 31.63	+ 5 20.5	1.568	2.554	3.7	19.8
11 7	2 23.08	+ 5 10.1	1.586	2.562	4.9	19.9
11 17	2 15.28	+ 5 11.1	1.630	2.570	8.6	20.1
11 27	2 9.18	+ 5 25.9	1.699	2.579	12.2	20.3
12 7	2 5.37	+ 5 54.6	1.790	2.589	15.4	20.6

363654 2004 RF_{336} 11 1.6 37°.18 1°.2/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 48.73	+15 21.2	1.852	2.703	13.6	20.4
10 8	2 44.56	+14 16.6	1.790	2.712	10.0	20.2
10 18	2 38.45	+13 1.3	1.752	2.722	6.0	20.0
10 28	2 31.16	+11 40.4	1.741	2.732	2.0	19.7
11 7	2 23.64	+10 20.6	1.758	2.742	3.1	19.8
11 17	2 16.82	+ 9 8.5	1.803	2.753	7.1	20.1
11 27	2 11.52	+ 8 10.1	1.875	2.764	10.8	20.4
12 7	2 8.29	+ 7 28.6	1.970	2.775	14.0	20.6

333196 2012 FM_{78} 11 1.6 195°.03 2°.5/29.7 18

9 28	2 48.33	+ 8 27.5	2.846	3.689	9.6	21.2
10 8	2 43.68	+ 7 25.9	2.769	3.687	7.1	21.1
10 18	2 37.72	+ 6 20.7	2.719	3.684	4.4	20.9
10 28	2 30.93	+ 5 15.7	2.698	3.681	2.5	20.8
11 7	2 23.91	+ 4 15.3	2.707	3.678	3.6	20.8
11 17	2 17.29	+ 3 23.4	2.747	3.674	6.2	21.0
11 27	2 11.66	+ 2 43.1	2.815	3.670	8.8	21.2
12 7	2 7.43	+ 2 16.3	2.907	3.666	11.0	21.3

446524 2014 LX_{12} 11 1.6 31°.07 6°.3/28.9 18

9 28	2 53.75	− 1 4.4	1.641	2.501	14.6	20.2
10 8	2 48.40	− 1 36.4	1.590	2.510	11.2	20.0
10 18	2 40.84	− 2 2.2	1.562	2.519	8.1	19.8
10 28	2 31.93	− 2 16.1	1.560	2.529	6.3	19.8
11 7	2 22.77	− 2 13.4	1.584	2.539	7.5	19.9
11 17	2 14.46	− 1 51.9	1.634	2.550	10.4	20.1
11 27	2 7.92	− 1 11.4	1.708	2.561	13.6	20.3
12 7	2 3.75	− 0 14.2	1.803	2.573	16.4	20.5

13750 Mattdawson 11 1.6 66°.57 2°.5/ 2.9 18

9 28	2 58.62	+20 32.0	1.386	2.225	18.0	17.6
10 8	2 52.64	+20 51.0	1.331	2.240	13.8	17.4
10 18	2 43.71	+20 54.8	1.296	2.256	9.0	17.1
10 28	2 32.89	+20 43.5	1.285	2.271	4.1	16.9
11 7	2 21.67	+20 20.2	1.301	2.287	3.3	16.9
11 17	2 11.55	+19 50.6	1.343	2.302	7.8	17.2
11 27	2 3.81	+19 21.9	1.410	2.318	12.3	17.5
12 7	1 59.15	+19 0.5	1.500	2.334	16.1	17.8

57962 2002 JP_{133} 11 1.6 145°.12 2°.7/ 3.5 17

9 28	2 56.32	+23 59.7	1.575	2.399	16.9	19.9
10 8	2 50.76	+23 40.1	1.504	2.404	13.1	19.7
10 18	2 42.52	+23 1.2	1.455	2.410	8.7	19.4
10 28	2 32.52	+22 4.0	1.431	2.415	4.3	19.2
11 7	2 22.08	+20 53.3	1.434	2.419	3.2	19.1
11 17	2 12.56	+19 36.9	1.464	2.423	7.3	19.4
11 27	2 5.13	+18 23.9	1.521	2.427	11.7	19.6
12 7	2 0.51	+17 22.0	1.601	2.431	15.5	19.9

8430 Florey 11 1.6 215°.62 1°.1/31.7 18

9 28	2 52.34	+12 41.0	2.225	3.065	12.0	18.7
10 8	2 47.07	+12 16.1	2.144	3.060	8.9	18.5
10 18	2 39.98	+11 45.0	2.088	3.056	5.4	18.3
10 28	2 31.69	+11 10.3	2.060	3.051	1.8	18.0
11 7	2 23.03	+10 36.1	2.062	3.045	2.8	18.1
11 17	2 14.87	+10 6.2	2.092	3.040	6.4	18.3
11 27	2 8.04	+ 9 44.6	2.150	3.034	9.9	18.5
12 7	2 3.11	+ 9 33.8	2.233	3.027	12.9	18.7

324251 2006 BC_{184} 11 1.6 224°.96 0°.7/31.9 18

9 28	2 50.70	+13 55.9	2.445	3.281	11.2	21.6
10 8	2 45.72	+13 33.0	2.363	3.276	8.3	21.4
10 18	2 39.10	+13 3.5	2.305	3.271	5.1	21.2
10 28	2 31.41	+12 29.9	2.276	3.266	1.6	21.0
11 7	2 23.38	+11 55.6	2.276	3.261	2.3	21.0
11 17	2 15.80	+11 24.2	2.306	3.255	5.8	21.2
11 27	2 9.40	+10 59.5	2.364	3.249	9.0	21.4
12 7	2 4.73	+10 44.1	2.447	3.244	11.8	21.6

342717 2008 WB_{15} 11 1.6 331°.03 0°.5/ 1.9 16

9 28	2 51.58	+17 10.1	1.369	2.228	17.0	21.1
10 8	2 47.68	+17 2.6	1.292	2.216	12.9	20.8
10 18	2 40.91	+16 41.7	1.235	2.204	8.1	20.5
10 28	2 32.10	+16 9.5	1.202	2.193	2.8	20.2
11 7	2 22.55	+15 30.7	1.194	2.182	2.9	20.2
11 17	2 13.71	+14 51.9	1.212	2.172	8.4	20.5
11 27	2 6.95	+14 20.4	1.254	2.164	13.4	20.7
12 7	2 3.13	+14 1.9	1.317	2.156	17.6	21.0

275428 2011 CE_{19} 11 1.6 288°.43 8°.5/22.3 17

9 28	2 47.71	− 9 8.3	2.297	3.141	11.5	20.5
10 8	2 43.63	−11 5.5	2.231	3.124	9.7	20.4
10 18	2 37.88	−12 56.1	2.190	3.106	8.6	20.3
10 28	2 31.04	−14 31.7	2.177	3.089	8.7	20.2
11 7	2 23.83	−15 45.6	2.190	3.071	10.0	20.3
11 17	2 17.04	−16 33.3	2.228	3.054	12.0	20.4
11 27	2 11.42	−16 53.4	2.288	3.036	14.0	20.5
12 7	2 7.50	−16 47.3	2.365	3.019	15.9	20.6

289655 2005 GV_{116} 11 1.6 78°.79 0°.2/ 1.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 57.46	+17 50.2	1.408	2.254	17.3	21.1
10 8	2 51.45	+17 18.6	1.360	2.277	12.9	20.9
10 18	2 42.79	+16 33.0	1.334	2.301	7.9	20.7
10 28	2 32.57	+15 37.3	1.334	2.324	2.6	20.4
11 7	2 22.18	+14 38.0	1.360	2.347	2.8	20.5
11 17	2 12.97	+13 42.4	1.413	2.370	7.9	20.9
11 27	2 6.03	+12 57.6	1.492	2.392	12.3	21.2
12 7	2 1.92	+12 28.0	1.593	2.414	16.0	21.5

357771 2005 SM_{170} 11 1.6 352°.44 0°.2/ 1.4 18

9 28	2 49.60	+17 11.4	1.844	2.690	13.9	20.3
10 8	2 45.37	+16 27.8	1.770	2.688	10.4	20.1
10 18	2 39.07	+15 32.0	1.719	2.686	6.4	19.8
10 28	2 31.43	+14 27.5	1.694	2.685	2.0	19.5
11 7	2 23.42	+13 20.0	1.697	2.684	2.5	19.6
11 17	2 16.04	+12 15.9	1.729	2.683	6.9	19.8
11 27	2 10.22	+11 21.5	1.787	2.683	10.8	20.1
12 7	2 6.56	+10 41.1	1.868	2.683	14.2	20.3

13330 Dondavis 11 1.6 57°.76 0°.1/ 1.7 18

9 28	2 51.39	+16 49.0	2.017	2.855	13.1	17.6
10 8	2 46.40	+16 27.7	1.957	2.870	9.8	17.4
10 18	2 39.54	+15 57.0	1.921	2.886	6.0	17.2
10 28	2 31.54	+15 19.5	1.912	2.902	1.9	17.0
11 7	2 23.32	+14 39.2	1.932	2.919	2.2	17.0
11 17	2 15.79	+14 0.8	1.980	2.935	6.1	17.3
11 27	2 9.77	+13 28.8	2.056	2.951	9.6	17.5
12 7	2 5.76	+13 6.7	2.155	2.968	12.6	17.8

442725 2012 VK_{39} 11 1.6 305°.29 7°.3/28.7 18

9 28	2 56.03	− 2 58.9	1.612	2.468	15.0	20.2
10 8	2 50.45	− 3 30.5	1.540	2.454	11.9	20.0
10 18	2 42.34	− 3 54.7	1.490	2.441	8.9	19.8
10 28	2 32.52	− 4 4.8	1.465	2.429	7.3	19.7
11 7	2 22.13	− 3 55.2	1.466	2.416	8.6	19.7
11 17	2 12.42	− 3 23.2	1.493	2.404	11.6	19.9
11 27	2 4.52	− 2 28.9	1.544	2.392	15.1	20.1
12 7	1 59.21	− 1 15.0	1.615	2.380	18.2	20.3

354743 2005 TU_{68} 11 1.6 39°.96 3°.2/ 3.7 18

9 28	2 56.05	+22 57.9	1.950	2.764	14.5	20.5
10 8	2 50.25	+23 30.8	1.875	2.767	11.3	20.3
10 18	2 42.13	+23 51.4	1.822	2.771	7.7	20.1
10 28	2 32.44	+23 58.4	1.795	2.774	4.3	19.9
11 7	2 22.23	+23 53.1	1.796	2.777	3.5	19.8
11 17	2 12.66	+23 38.3	1.826	2.781	6.5	20.0
11 27	2 4.77	+23 19.4	1.883	2.785	10.0	20.2
12 7	1 59.27	+23 1.6	1.964	2.789	13.2	20.5

286742 2002 GT_{141} 11 1.6 240°.47 0°.6/ 1.3 18

9 28	2 57.97	+14 1.1	1.557	2.404	15.9	21.0
10 8	2 52.15	+13 54.4	1.477	2.395	12.0	20.8
10 18	2 43.53	+13 38.8	1.418	2.385	7.4	20.5
10 28	2 32.93	+13 16.7	1.385	2.375	2.3	20.1
11 7	2 21.63	+12 52.1	1.379	2.365	3.1	20.2
11 17	2 11.01	+12 30.2	1.401	2.354	8.3	20.5
11 27	2 2.37	+12 16.4	1.448	2.343	13.0	20.7
12 7	1 56.58	+12 14.7	1.518	2.332	17.0	20.9

167395 2003 WX_{96} 11 1.6 120°.93 3°.1/30.6 18

9 28	2 56.60	+ 6 6.0	2.021	2.865	12.9	19.6
10 8	2 50.18	+ 5 47.9	1.961	2.878	9.6	19.4
10 18	2 41.83	+ 5 29.2	1.926	2.890	6.1	19.2
10 28	2 32.27	+ 5 13.4	1.918	2.902	3.3	19.1
11 7	2 22.49	+ 5 4.3	1.940	2.914	4.4	19.1
11 17	2 13.42	+ 5 4.6	1.991	2.926	7.7	19.4
11 27	2 5.92	+ 5 16.4	2.069	2.937	10.9	19.6
12 7	2 0.55	+ 5 40.2	2.170	2.947	13.8	19.8

287861 2003 SC_{266} 11 1.6 314°.24 0°.5/ 2.0 17

9 28	2 51.20	+17 2.9	2.095	2.931	12.8	20.3
10 8	2 46.46	+16 59.6	2.009	2.921	9.7	20.1
10 18	2 39.74	+16 47.4	1.947	2.911	6.1	19.8
10 28	2 31.67	+16 27.7	1.911	2.901	2.1	19.6
11 7	2 23.13	+16 3.4	1.904	2.891	2.1	19.6
11 17	2 15.06	+15 38.4	1.926	2.882	6.1	19.8
11 27	2 8.37	+15 16.9	1.975	2.873	9.8	20.0
12 7	2 3.71	+15 2.9	2.048	2.864	13.1	20.2

305897 2009 FB_{31} 11 1.6 196°.89 2°.0/30.7 18

9 28	2 51.03	+12 6.3	2.239	3.083	11.8	21.2
10 8	2 46.04	+11 1.0	2.162	3.080	8.7	21.0
10 18	2 39.32	+ 9 48.1	2.110	3.078	5.3	20.8
10 28	2 31.50	+ 8 32.2	2.086	3.075	2.3	20.6
11 7	2 23.37	+ 7 18.8	2.092	3.071	3.5	20.7
11 17	2 15.78	+ 6 13.7	2.128	3.067	7.0	20.9
11 27	2 9.49	+ 5 21.6	2.192	3.063	10.3	21.1
12 7	2 5.03	+ 4 45.3	2.279	3.058	13.1	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
378167 2006 WR_{51}		11 1.6 257°.32 1°.7/31.6 18				
	h m	° ′			°	m
9 28	2 56.76	+11 21.4	1.633	2.483	15.1	21.4
10 8	2 51.13	+11 6.7	1.550	2.470	11.4	21.1
10 18	2 42.86	+10 45.5	1.488	2.457	7.0	20.8
10 28	2 32.72	+10 21.0	1.453	2.443	2.5	20.5
11 7	2 21.88	+ 9 57.9	1.445	2.428	3.7	20.6
11 17	2 11.65	+ 9 40.9	1.465	2.414	8.5	20.8
11 27	2 3.25	+ 9 34.7	1.511	2.399	12.9	21.1
12 7	1 57.52	+ 9 42.2	1.578	2.384	16.8	21.3
147822 2005 SQ_{180}		11 1.6 145°.02 1°.2/31.6 18				
9 28	2 51.62	+13 7.4	2.244	3.084	11.9	20.5
10 8	2 46.45	+12 32.7	2.173	3.089	8.8	20.3
10 18	2 39.55	+11 51.2	2.127	3.095	5.3	20.1
10 28	2 31.56	+11 6.4	2.109	3.100	1.8	19.9
11 7	2 23.31	+10 22.3	2.121	3.105	2.7	20.0
11 17	2 15.63	+ 9 43.3	2.162	3.109	6.3	20.2
11 27	2 9.26	+ 9 13.3	2.231	3.113	9.6	20.4
12 7	2 4.75	+ 8 55.0	2.324	3.117	12.5	20.6
248609 2006 DJ_{110}		11 1.6 129°.69 7°.9/ 8.2 17				
9 28	2 58.80	+39 13.4	2.433	3.150	14.5	20.3
10 8	2 52.42	+40 19.1	2.349	3.151	12.6	20.2
10 18	2 43.56	+41 6.2	2.286	3.152	10.5	20.1
10 28	2 32.94	+41 30.7	2.247	3.154	8.7	19.9
11 7	2 21.63	+41 30.7	2.234	3.155	7.9	19.9
11 17	2 10.83	+41 8.0	2.248	3.156	8.4	19.9
11 27	2 1.70	+40 27.6	2.289	3.157	10.0	20.0
12 7	1 55.04	+39 36.9	2.353	3.159	12.0	20.2
214723 2006 TY_{16}		11 1.6 21°.33 1°.2/ 2.3 18				
9 28	2 56.64	+16 44.5	1.686	2.524	15.3	19.9
10 8	2 50.87	+17 14.4	1.616	2.528	11.6	19.7
10 18	2 42.59	+17 35.7	1.568	2.531	7.3	19.4
10 28	2 32.60	+17 48.6	1.547	2.536	2.8	19.2
11 7	2 22.09	+17 54.7	1.553	2.540	2.6	19.2
11 17	2 12.32	+17 57.0	1.588	2.545	7.0	19.5
11 27	2 4.42	+17 59.7	1.649	2.551	11.2	19.7
12 7	1 59.14	+18 7.0	1.732	2.556	14.7	20.0
128990 2004 TW_{212}		11 1.6 23°.99 0°.7/ 2.1 18				
9 28	2 50.70	+18 16.2	1.953	2.791	13.5	20.0
10 8	2 46.09	+17 59.8	1.883	2.794	10.2	19.8
10 18	2 39.47	+17 32.4	1.835	2.798	6.4	19.5
10 28	2 31.57	+16 56.2	1.813	2.803	2.3	19.3
11 7	2 23.32	+16 15.0	1.820	2.807	2.2	19.3
11 17	2 15.70	+15 33.7	1.855	2.812	6.2	19.6
11 27	2 9.60	+14 57.5	1.917	2.817	10.0	19.8
12 7	2 5.60	+14 30.6	2.003	2.823	13.2	20.0
224102 2005 OV_{21}		11 1.6 125°.45 0°.2/ 1.8 18				
9 28	2 57.00	+17 24.7	1.747	2.581	15.0	21.0
10 8	2 50.86	+17 1.3	1.684	2.595	11.3	20.8
10 18	2 42.39	+16 26.1	1.644	2.608	7.0	20.6
10 28	2 32.49	+15 42.1	1.631	2.621	2.3	20.3
11 7	2 22.29	+14 53.8	1.646	2.633	2.5	20.4
11 17	2 12.96	+14 7.1	1.690	2.645	7.0	20.7
11 27	2 5.50	+13 27.9	1.761	2.656	11.1	20.9
12 7	2 0.51	+13 0.4	1.855	2.666	14.5	21.2
227697 2006 DG_{57}		11 1.6 296°.55 9°.9/22.2 18				
9 28	2 49.24	−14 50.6	2.210	3.039	12.5	19.6
10 8	2 44.78	−16 21.2	2.156	3.029	10.9	19.5
10 18	2 38.58	−17 38.9	2.127	3.019	10.0	19.4
10 28	2 31.28	−18 36.3	2.121	3.009	10.1	19.4
11 7	2 23.67	−19 7.9	2.141	3.000	11.2	19.4
11 17	2 16.59	−19 11.3	2.183	2.990	12.8	19.5
11 27	2 10.79	−18 46.8	2.246	2.981	14.6	19.6
12 7	2 6.81	−17 57.5	2.327	2.972	16.3	19.8
191282 Feustel		11 1.6 153°.22 1°.3/31.6 18				
9 28	2 54.72	+13 14.1	1.948	2.789	13.4	20.9
10 8	2 48.98	+12 36.5	1.879	2.796	10.0	20.6
10 18	2 41.19	+11 51.2	1.835	2.802	6.0	20.4
10 28	2 32.11	+11 1.7	1.818	2.808	2.1	20.2
11 7	2 22.73	+10 13.1	1.830	2.814	3.1	20.3
11 17	2 14.05	+ 9 30.5	1.872	2.819	7.1	20.5
11 27	2 6.96	+ 8 58.6	1.940	2.823	10.8	20.8
12 7	2 2.04	+ 8 40.2	2.032	2.827	13.9	21.0
109115 2001 QV_{41}		11 1.6 47°.35 1°.6/ 2.5 18				
9 28	2 55.66	+19 46.3	1.243	2.095	18.8	19.7
10 8	2 50.55	+19 40.4	1.195	2.113	14.2	19.5
10 18	2 42.46	+19 17.8	1.167	2.132	9.0	19.3
10 28	2 32.54	+18 40.8	1.162	2.151	3.6	19.0
11 7	2 22.32	+17 54.9	1.183	2.171	3.0	19.1
11 17	2 13.32	+17 7.6	1.230	2.191	8.1	19.4
11 27	2 6.77	+16 27.0	1.300	2.211	12.9	19.8
12 7	2 3.31	+15 58.9	1.392	2.232	16.8	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
188326 2003 NY_1		11 1.6 73°.18 8°.2/26.3 18				
	h m	° ′			°	m
9 28	2 53.02	− 9 53.1	2.133	2.969	12.6	19.9
10 8	2 47.30	−10 52.1	2.101	2.991	10.4	19.8
10 18	2 39.94	−11 39.3	2.093	3.014	8.7	19.7
10 28	2 31.66	−12 8.9	2.111	3.036	8.2	19.7
11 7	2 23.33	−12 17.2	2.156	3.059	9.1	19.8
11 17	2 15.75	−12 2.8	2.226	3.081	10.9	20.0
11 27	2 9.61	−11 27.0	2.319	3.103	12.8	20.1
12 7	2 5.36	−10 32.6	2.433	3.125	14.6	20.3
438563 2007 TC_{420}		11 1.6 8°.90 9°.1/ 8.7 15				
9 28	2 54.38	+37 58.0	1.585	2.352	19.2	20.7
10 8	2 49.92	+38 39.8	1.512	2.352	16.5	20.5
10 18	2 42.34	+38 54.1	1.456	2.354	13.4	20.4
10 28	2 32.60	+38 36.0	1.422	2.356	10.7	20.2
11 7	2 22.17	+37 45.4	1.411	2.358	9.2	20.1
11 17	2 12.66	+36 27.4	1.425	2.361	9.9	20.2
11 27	2 5.52	+34 52.3	1.463	2.365	12.4	20.3
12 7	2 1.56	+33 12.5	1.524	2.369	15.3	20.5
288196 2003 XD_{34}		11 1.6 310°.31 1°.8/31.5 18				
9 28	2 54.02	+12 47.0	1.345	2.209	16.9	21.1
10 8	2 49.41	+12 13.9	1.275	2.202	12.7	20.8
10 18	2 41.92	+11 30.5	1.225	2.196	7.8	20.5
10 28	2 32.45	+10 41.6	1.200	2.191	2.7	20.2
11 7	2 22.35	+ 9 54.0	1.201	2.185	4.1	20.3
11 17	2 13.08	+ 9 14.9	1.227	2.180	9.3	20.6
11 27	2 5.95	+ 8 50.6	1.278	2.174	14.2	20.8
12 7	2 1.78	+ 8 44.5	1.348	2.170	18.3	21.1
51623 2001 HJ_{37}		11 1.6 169°.15 2°.6/ 3.5 18				
9 28	2 56.59	+23 29.9	1.779	2.596	15.5	19.1
10 8	2 50.78	+23 20.0	1.703	2.599	12.1	18.9
10 18	2 42.50	+22 53.4	1.649	2.602	8.1	18.6
10 28	2 32.59	+22 10.8	1.621	2.604	4.0	18.4
11 7	2 22.22	+21 15.8	1.621	2.606	3.1	18.3
11 17	2 12.62	+20 14.5	1.650	2.607	6.8	18.6
11 27	2 4.90	+19 14.5	1.705	2.608	10.8	18.8
12 7	1 59.75	+18 22.6	1.784	2.608	14.4	19.1
356648 2011 UR_{56}		11 1.6 51°.24 0°.5/ 1.9 18				
9 28	2 54.19	+16 37.0	1.750	2.592	14.7	20.8
10 8	2 48.86	+16 35.2	1.684	2.599	11.0	20.6
10 18	2 41.26	+16 23.6	1.641	2.606	6.9	20.4
10 28	2 32.18	+16 4.0	1.624	2.614	2.3	20.1
11 7	2 22.71	+15 39.9	1.634	2.622	2.4	20.1
11 17	2 14.00	+15 15.7	1.673	2.630	6.8	20.4
11 27	2 7.04	+14 56.5	1.738	2.638	10.9	20.7
12 7	2 2.48	+14 46.0	1.826	2.646	14.3	20.9
523312 2017 BF_{124}		11 1.6 12°.37 5°.4/28.8 18				
9 28	2 51.82	+ 0 29.9	1.937	2.793	12.9	20.5
10 8	2 46.81	− 0 9.0	1.875	2.794	9.9	20.3
10 18	2 39.87	− 0 44.4	1.838	2.795	6.9	20.2
10 28	2 31.71	− 1 11.2	1.826	2.797	5.4	20.1
11 7	2 23.26	− 1 24.6	1.842	2.799	6.5	20.2
11 17	2 15.43	− 1 21.7	1.886	2.801	9.3	20.3
11 27	2 9.09	− 1 1.2	1.954	2.803	12.3	20.5
12 7	2 4.78	− 0 24.1	2.044	2.806	15.0	20.7
356660 2011 UR_{73}		11 1.6 3°.48 1°.0/31.9 18				
9 28	2 53.85	+12 43.9	1.804	2.651	14.0	20.6
10 8	2 48.59	+12 35.2	1.732	2.651	10.5	20.4
10 18	2 41.10	+12 20.0	1.683	2.651	6.4	20.1
10 28	2 32.14	+12 1.0	1.661	2.651	2.1	19.9
11 7	2 22.74	+11 41.9	1.666	2.652	2.9	19.9
11 17	2 14.01	+11 26.8	1.700	2.652	7.2	20.2
11 27	2 6.93	+11 19.7	1.761	2.653	11.2	20.4
12 7	2 2.17	+11 23.2	1.844	2.653	14.6	20.7
403659 2010 TQ_{96}		11 1.6 173°.48 0°.8/31.9 18				
9 28	2 51.65	+14 2.1	2.263	3.101	11.9	21.7
10 8	2 46.52	+13 31.5	2.188	3.103	8.9	21.5
10 18	2 39.64	+12 53.7	2.137	3.104	5.4	21.2
10 28	2 31.64	+12 11.5	2.114	3.105	1.7	21.0
11 7	2 23.34	+11 28.9	2.121	3.105	2.5	21.1
11 17	2 15.57	+10 50.2	2.157	3.106	6.2	21.3
11 27	2 9.10	+10 19.5	2.221	3.106	9.5	21.5
12 7	2 4.49	+ 9 59.7	2.309	3.106	12.4	21.7
352373 2007 VG_{260}		11 1.6 306°.89 6°.9/29.4 18				
9 28	2 59.75	− 4 12.1	1.736	2.579	14.7	19.9
10 8	2 53.02	− 4 19.7	1.664	2.571	11.6	19.7
10 18	2 43.85	− 4 17.6	1.615	2.564	8.6	19.5
10 28	2 33.03	− 4 0.7	1.593	2.556	6.9	19.4
11 7	2 21.72	− 3 25.1	1.598	2.549	7.9	19.4
11 17	2 11.13	− 2 30.0	1.631	2.541	10.8	19.6
11 27	2 2.36	− 1 16.4	1.689	2.535	14.1	19.8
12 7	1 56.14	+ 0 12.4	1.769	2.528	17.1	20.0

278206 2007 EM_{34} 11 1.6 228.°90 2.°2/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 54.69	+10 54.0	1.790	2.639	14.1	21.3
10 8	2 49.28	+10 17.2	1.711	2.632	10.5	21.0
10 18	2 41.57	+ 9 33.6	1.655	2.624	6.4	20.8
10 28	2 32.31	+ 8 47.4	1.626	2.615	2.7	20.5
11 7	2 22.55	+ 8 4.1	1.626	2.607	4.0	20.6
11 17	2 13.41	+ 7 29.1	1.654	2.598	8.1	20.8
11 27	2 5.93	+ 7 7.1	1.707	2.588	12.1	21.1
12 7	2 0.81	+ 7 0.6	1.783	2.578	15.6	21.3

306161 2010 LJ_{63} 11 1.6 100.°84 3.°6/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.71	+ 8 4.7	1.926	2.781	13.0	21.0
10 8	2 46.62	+ 6 48.6	1.872	2.795	9.6	20.8
10 18	2 39.68	+ 5 28.5	1.842	2.809	6.1	20.6
10 28	2 31.63	+ 4 10.7	1.840	2.823	3.6	20.5
11 7	2 23.40	+ 3 1.9	1.867	2.837	5.1	20.6
11 17	2 15.89	+ 2 7.5	1.922	2.850	8.3	20.9
11 27	2 9.90	+ 1 31.3	2.003	2.863	11.6	21.1
12 7	2 5.94	+ 1 14.2	2.106	2.876	14.3	21.3

520497 2014 LW_{11} 11 1.6 133.°29 0.°2/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.38	+17 56.6	2.182	3.012	12.6	21.4
10 8	2 47.09	+17 24.6	2.112	3.020	9.5	21.2
10 18	2 39.98	+16 42.2	2.065	3.029	5.8	21.0
10 28	2 31.75	+15 52.0	2.047	3.037	2.0	20.8
11 7	2 23.25	+14 58.2	2.057	3.044	2.1	20.8
11 17	2 15.37	+14 5.7	2.098	3.052	5.9	21.1
11 27	2 8.91	+13 19.6	2.166	3.059	9.4	21.3
12 7	2 4.39	+12 43.7	2.259	3.066	12.3	21.5

303491 2005 EM_{102} 11 1.6 230.°48 3.°3/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.42	+ 9 53.5	1.895	2.751	13.1	20.8
10 8	2 45.88	+ 8 31.5	1.823	2.748	9.7	20.5
10 18	2 39.36	+ 7 2.0	1.776	2.745	6.1	20.3
10 28	2 31.58	+ 5 31.5	1.756	2.742	3.3	20.1
11 7	2 23.45	+ 4 7.5	1.765	2.738	4.9	20.2
11 17	2 15.94	+ 2 56.7	1.803	2.735	8.5	20.4
11 27	2 9.92	+ 2 4.4	1.866	2.731	12.0	20.7
12 7	2 5.97	+ 1 32.9	1.951	2.728	15.1	20.9

46776 1998 HN_{49} 11 1.6 139.°41 0.°1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.88	+17 10.3	1.653	2.493	15.4	19.0
10 8	2 50.19	+16 32.5	1.587	2.502	11.6	18.8
10 18	2 42.09	+15 41.9	1.544	2.510	7.1	18.6
10 28	2 32.45	+14 42.0	1.526	2.517	2.3	18.3
11 7	2 22.47	+13 38.7	1.537	2.524	2.7	18.3
11 17	2 13.34	+12 38.9	1.576	2.530	7.5	18.6
11 27	2 6.12	+11 49.2	1.642	2.536	11.7	18.9
12 7	2 1.45	+11 14.3	1.730	2.542	15.3	19.2

340449 2006 GE_{39} 11 1.6 295.°95 7.°1/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.01	+12 30.6	0.975	1.864	19.7	19.3
10 8	2 47.14	+ 9 5.5	0.909	1.852	14.7	19.0
10 18	2 40.84	+ 5 9.8	0.865	1.839	9.5	18.6
10 28	2 32.17	+ 1 4.4	0.845	1.827	7.2	18.5
11 7	2 22.77	− 2 43.8	0.851	1.814	10.8	18.6
11 17	2 14.41	− 5 50.6	0.881	1.802	16.4	18.9
11 27	2 8.63	− 8 2.2	0.931	1.791	21.6	19.2
12 7	2 6.29	− 9 17.7	0.996	1.780	25.9	19.4

182371 2001 QR_{161} 11 1.6 82.°83 2.°5/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.97	+10 36.2	1.513	2.368	15.9	20.4
10 8	2 50.91	+ 9 58.6	1.466	2.389	11.7	20.2
10 18	2 42.43	+ 9 15.1	1.441	2.411	7.1	20.0
10 28	2 32.53	+ 8 30.9	1.443	2.432	2.9	19.8
11 7	2 22.45	+ 7 52.0	1.472	2.453	4.3	20.0
11 17	2 13.43	+ 7 23.7	1.528	2.473	8.6	20.3
11 27	2 6.45	+ 7 9.9	1.609	2.493	12.6	20.6
12 7	2 2.09	+ 7 12.0	1.712	2.513	15.9	20.8

176952 2002 XP_{28} 11 1.6 331.°98 2.°5/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.39	+ 9 23.3	1.692	2.550	14.3	20.1
10 8	2 47.65	+ 9 0.6	1.619	2.544	10.7	19.8
10 18	2 40.61	+ 8 33.4	1.568	2.538	6.6	19.6
10 28	2 32.02	+ 8 5.8	1.543	2.532	2.9	19.4
11 7	2 22.94	+ 7 42.7	1.546	2.527	4.2	19.4
11 17	2 14.50	+ 7 28.5	1.576	2.522	8.3	19.7
11 27	2 7.75	+ 7 26.9	1.631	2.517	12.3	19.9
12 7	2 3.37	+ 7 39.7	1.708	2.513	15.8	20.1

221769 Cima Rest 11 1.6 91.°91 0.°1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.56	+13 51.1	2.260	3.091	12.2	20.5
10 8	2 49.40	+14 4.2	2.190	3.100	9.1	20.3
10 18	2 41.41	+14 12.0	2.145	3.109	5.6	20.1
10 28	2 32.22	+14 15.7	2.128	3.119	1.8	19.8
11 7	2 22.73	+14 17.1	2.141	3.128	2.1	19.9
11 17	2 13.82	+14 18.8	2.185	3.137	5.8	20.1
11 27	2 6.30	+14 23.6	2.256	3.146	9.2	20.4
12 7	2 0.76	+14 33.9	2.353	3.155	12.0	20.6

201549 2003 RN 11 1.6 120.°09 5.°9/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 56.63	+35 36.4	2.047	2.802	15.8	20.4
10 8	2 50.60	+35 24.7	1.975	2.816	13.1	20.2
10 18	2 42.25	+34 49.2	1.923	2.830	10.1	20.0
10 28	2 32.49	+33 49.0	1.896	2.844	7.3	19.9
11 7	2 22.47	+32 26.8	1.896	2.857	5.9	19.8
11 17	2 13.36	+30 48.9	1.925	2.870	7.1	19.9
11 27	2 6.15	+29 4.4	1.982	2.882	9.7	20.1
12 7	2 1.41	+27 22.7	2.065	2.894	12.5	20.3

223176 2002 YC_{26} 11 1.6 220.°90 1.°2/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.12	+13 30.9	1.971	2.810	13.4	21.2
10 8	2 49.46	+12 57.7	1.886	2.801	10.0	21.0
10 18	2 41.63	+12 16.1	1.825	2.792	6.1	20.7
10 28	2 32.34	+11 29.2	1.791	2.781	2.0	20.4
11 7	2 22.56	+10 41.7	1.787	2.771	3.0	20.5
11 17	2 13.34	+ 9 59.0	1.811	2.759	7.2	20.7
11 27	2 5.65	+ 9 26.1	1.863	2.747	11.1	20.9
12 7	2 0.18	+ 9 6.5	1.938	2.734	14.5	21.1

222937 2002 OY_5 11 1.6 335.°19 0.°4/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.88	+18 56.6	2.172	3.006	12.5	19.8
10 8	2 44.61	+18 17.7	2.092	3.002	9.4	19.6
10 18	2 38.55	+17 27.0	2.036	3.000	5.9	19.4
10 28	2 31.32	+16 27.2	2.007	2.997	2.0	19.1
11 7	2 23.77	+15 22.7	2.007	2.994	2.0	19.1
11 17	2 16.75	+14 19.1	2.036	2.992	5.9	19.4
11 27	2 11.05	+13 21.9	2.093	2.990	9.4	19.6
12 7	2 7.24	+12 35.7	2.174	2.987	12.5	19.8

288432 2004 ET_{24} 11 1.6 313.°31 14.°1/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.95	−20 49.3	1.727	2.548	15.7	19.7
10 8	2 45.84	−23 1.7	1.684	2.535	14.6	19.6
10 18	2 39.48	−24 53.5	1.664	2.523	14.1	19.5
10 28	2 31.65	−26 13.6	1.664	2.510	14.6	19.5
11 7	2 23.40	−26 54.9	1.686	2.498	15.9	19.6
11 17	2 15.84	−26 54.9	1.726	2.487	17.5	19.7
11 27	2 9.96	−26 15.7	1.783	2.475	19.3	19.8
12 7	2 6.40	−25 2.9	1.853	2.464	20.8	19.9

477275 2009 SF_{121} 11 1.6 0.°19 1.°4/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.46	+15 51.6	1.179	2.053	18.2	20.7
10 8	2 46.23	+14 52.8	1.117	2.050	13.6	20.4
10 18	2 40.04	+13 37.3	1.076	2.049	8.3	20.1
10 28	2 31.90	+12 11.6	1.057	2.049	2.6	19.8
11 7	2 23.22	+10 45.5	1.064	2.049	4.0	19.9
11 17	2 15.50	+ 9 29.5	1.094	2.051	9.6	20.2
11 27	2 10.05	+ 8 32.6	1.148	2.053	14.7	20.5
12 7	2 7.60	+ 7 59.4	1.221	2.056	19.0	20.8

53512 2000 AZ_{127} 11 1.6 75.°92 8.°5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.36	+43 42.3	2.379	3.072	15.4	18.7
10 8	2 50.56	+44 20.0	2.306	3.085	13.5	18.5
10 18	2 42.36	+44 34.8	2.252	3.097	11.5	18.4
10 28	2 32.60	+44 23.2	2.220	3.110	9.7	18.3
11 7	2 22.41	+43 45.1	2.213	3.123	8.6	18.3
11 17	2 13.00	+42 43.6	2.233	3.136	8.7	18.3
11 27	2 5.42	+41 25.2	2.278	3.148	10.0	18.4
12 7	2 0.35	+39 58.4	2.348	3.161	11.7	18.6

293357 2007 DF_{113} 11 1.6 122.°07 2.°0/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.38	+10 56.0	2.331	3.177	11.3	20.5
10 8	2 44.76	+10 2.0	2.262	3.182	8.3	20.4
10 18	2 38.54	+ 9 2.5	2.218	3.187	5.1	20.2
10 28	2 31.33	+ 8 1.8	2.203	3.191	2.3	20.0
11 7	2 23.89	+ 7 4.5	2.217	3.196	3.4	20.1
11 17	2 16.97	+ 6 15.4	2.261	3.200	6.6	20.3
11 27	2 11.28	+ 5 38.1	2.332	3.204	9.7	20.5
12 7	2 7.29	+ 5 15.0	2.426	3.209	12.3	20.7

291927 2006 QH_{27} 11 1.6 57.°74 1.°2/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.59	+12 20.1	1.246	2.108	18.2	19.6
10 8	2 52.73	+12 18.3	1.196	2.122	13.5	19.4
10 18	2 43.85	+12 8.8	1.166	2.137	8.2	19.2
10 28	2 33.08	+11 55.1	1.161	2.152	2.7	18.9
11 7	2 21.95	+11 41.7	1.181	2.167	3.7	19.0
11 17	2 12.00	+11 33.7	1.227	2.182	9.0	19.3
11 27	2 4.53	+11 35.7	1.298	2.198	13.7	19.7
12 7	2 0.20	+11 50.3	1.389	2.214	17.7	20.0

168663 2000 EM_{104} 11 1.6 274.°01 4.°8/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.68	+ 2 24.3	1.969	2.819	12.9	19.4
10 8	2 49.18	+ 1 51.5	1.881	2.799	9.9	19.2
10 18	2 41.53	+ 1 19.9	1.818	2.778	6.8	18.9
10 28	2 32.37	+ 0 54.3	1.781	2.757	4.8	18.8
11 7	2 22.64	+ 0 39.6	1.773	2.736	6.0	18.8
11 17	2 13.36	+ 0 39.7	1.792	2.715	9.3	19.0
11 27	2 5.53	+ 0 56.7	1.838	2.693	12.7	19.1
12 7	1 59.86	+ 1 30.7	1.905	2.671	15.8	19.3

159287 2006 AN_{40} 11 1.6 354.°11 0.°0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 50.92	+16 14.2	2.059	2.898	12.9	20.7
10 8	2 46.22	+15 56.1	1.983	2.897	9.7	20.5
10 18	2 39.60	+15 29.0	1.931	2.897	6.0	20.3
10 28	2 31.71	+14 55.1	1.905	2.896	1.9	20.0
11 7	2 23.46	+14 18.3	1.909	2.895	2.2	20.1
11 17	2 15.77	+13 42.9	1.940	2.895	6.2	20.3
11 27	2 9.49	+13 13.5	1.999	2.895	9.9	20.6
12 7	2 5.22	+12 53.9	2.082	2.895	13.0	20.8

220476 2004 CF_{4} 11 1.6 197.°23 3.°5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.79	+24 0.3	1.631	2.450	16.6	20.5
10 8	2 52.04	+24 15.8	1.554	2.449	13.1	20.3
10 18	2 43.50	+24 14.8	1.498	2.448	9.0	20.0
10 28	2 33.04	+23 56.2	1.466	2.446	4.9	19.8
11 7	2 21.93	+23 22.1	1.462	2.445	3.9	19.7
11 17	2 11.60	+22 37.9	1.485	2.443	7.4	19.9
11 27	2 3.31	+21 51.0	1.535	2.440	11.6	20.2
12 7	1 57.87	+21 9.2	1.607	2.438	15.4	20.4

145007 2005 ER_{219} 11 1.6 88.°07 2.°8/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.22	+10 11.7	1.921	2.772	13.2	19.7
10 8	2 46.99	+ 9 0.8	1.871	2.793	9.7	19.5
10 18	2 39.92	+ 7 44.5	1.844	2.813	5.9	19.3
10 28	2 31.77	+ 6 28.7	1.846	2.832	3.0	19.2
11 7	2 23.48	+ 5 19.8	1.876	2.852	4.4	19.3
11 17	2 15.96	+ 4 23.4	1.936	2.871	7.8	19.6
11 27	2 9.99	+ 3 43.5	2.021	2.890	11.1	19.8
12 7	2 6.05	+ 3 21.5	2.129	2.909	13.9	20.1

30043 Lisamichaels 11 1.6 141.°24 0.°7/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.33	+19 0.4	1.891	2.718	14.3	20.2
10 8	2 50.30	+18 36.4	1.823	2.729	10.8	20.0
10 18	2 42.09	+18 0.0	1.778	2.739	6.8	19.7
10 28	2 32.51	+17 13.3	1.760	2.749	2.5	19.5
11 7	2 22.61	+16 20.9	1.770	2.758	2.3	19.5
11 17	2 13.48	+15 28.4	1.811	2.766	6.5	19.8
11 27	2 6.07	+14 41.7	1.878	2.774	10.4	20.0
12 7	2 1.00	+14 5.6	1.969	2.781	13.7	20.3

276690 2003 YW_{91} 11 1.6 117.°38 6.°2/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.31	− 5 37.9	2.382	3.219	11.4	20.2
10 8	2 47.60	− 6 6.8	2.319	3.220	9.1	20.1
10 18	2 40.26	− 6 28.3	2.281	3.220	7.1	20.0
10 28	2 31.91	− 6 37.9	2.270	3.220	6.2	19.9
11 7	2 23.31	− 6 32.2	2.288	3.220	7.1	20.0
11 17	2 15.26	− 6 9.6	2.333	3.220	9.1	20.1
11 27	2 8.46	− 5 30.1	2.404	3.220	11.4	20.2
12 7	2 3.43	− 4 35.3	2.497	3.221	13.5	20.4

472052 2013 YE_{50} 11 1.6 7.°75 4.°3/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.11	+ 8 6.0	1.198	2.078	17.5	20.5
10 8	2 47.31	+ 7 13.5	1.143	2.079	13.0	20.2
10 18	2 40.65	+ 6 15.6	1.108	2.080	8.2	20.0
10 28	2 32.11	+ 5 20.1	1.096	2.082	4.5	19.8
11 7	2 23.10	+ 4 35.5	1.109	2.086	6.3	19.9
11 17	2 15.06	+ 4 8.7	1.146	2.090	10.9	20.2
11 27	2 9.24	+ 4 3.8	1.205	2.095	15.4	20.5
12 7	2 6.35	+ 4 21.3	1.283	2.101	19.2	20.7

266030 2006 GL_{25} 11 1.6 258.°12 0.°3/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.61	+15 6.7	2.489	3.322	11.1	21.8
10 8	2 45.76	+14 47.1	2.399	3.311	8.3	21.6
10 18	2 39.24	+14 20.3	2.334	3.299	5.1	21.4
10 28	2 31.62	+13 48.4	2.297	3.287	1.6	21.1
11 7	2 23.61	+13 14.5	2.289	3.275	2.1	21.1
11 17	2 16.00	+12 42.2	2.311	3.263	5.6	21.3
11 27	2 9.53	+12 15.3	2.362	3.250	8.9	21.5
12 7	2 4.76	+11 57.0	2.437	3.238	11.7	21.7

243043 2006 WW_{195} 11 1.6 305.°11 1.°2/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.87	+20 12.0	1.925	2.756	14.0	20.4
10 8	2 47.12	+19 53.1	1.846	2.753	10.7	20.2
10 18	2 40.24	+19 20.9	1.790	2.751	6.8	20.0
10 28	2 31.96	+18 37.4	1.760	2.748	2.8	19.7
11 7	2 23.24	+17 46.5	1.758	2.745	2.3	19.7
11 17	2 15.14	+16 53.5	1.785	2.743	6.4	19.9
11 27	2 8.60	+16 4.6	1.839	2.740	10.2	20.2
12 7	2 4.26	+15 25.0	1.916	2.738	13.6	20.4

4749 Ledzeppelin 11 1.6 12.°10 5.°2/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.84	+ 1 25.2	1.849	2.708	13.3	16.1
10 8	2 46.94	+ 0 48.5	1.788	2.709	10.1	15.9
10 18	2 40.04	+ 0 14.7	1.751	2.711	7.0	15.7
10 28	2 31.86	− 0 11.0	1.740	2.714	5.2	15.6
11 7	2 23.38	− 0 23.7	1.756	2.716	6.4	15.7
11 17	2 15.55	− 0 20.5	1.799	2.719	9.4	15.9
11 27	2 9.27	+ 0 0.2	1.867	2.723	12.5	16.1
12 7	2 5.09	+ 0 37.4	1.956	2.727	15.3	16.3

406248 2007 DX_{25} 11 1.6 199.°49 1.°1/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.06	+12 52.3	2.478	3.315	11.0	22.3
10 8	2 46.00	+12 23.0	2.398	3.312	8.2	22.1
10 18	2 39.34	+11 47.7	2.343	3.310	5.0	21.9
10 28	2 31.64	+11 9.3	2.317	3.307	1.7	21.6
11 7	2 23.64	+10 31.2	2.320	3.304	2.5	21.7
11 17	2 16.09	+ 9 57.3	2.354	3.300	5.9	21.9
11 27	2 9.71	+ 9 31.2	2.415	3.297	9.0	22.1
12 7	2 5.02	+ 9 15.3	2.501	3.293	11.7	22.3

163321 2002 JY_{106} 11 1.6 102.°46 4.°4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.06	+27 7.6	1.882	2.679	15.5	20.2
10 8	2 51.81	+27 31.3	1.815	2.694	12.4	20.0
10 18	2 43.13	+27 37.9	1.770	2.708	8.8	19.8
10 28	2 32.88	+27 26.4	1.751	2.722	5.5	19.6
11 7	2 22.24	+26 58.3	1.759	2.736	4.5	19.6
11 17	2 12.41	+26 18.1	1.796	2.749	6.8	19.8
11 27	2 4.47	+25 32.5	1.860	2.762	10.1	20.0
12 7	1 59.09	+24 48.6	1.948	2.775	13.2	20.2

222406 2001 FH_{72} 11 1.6 234.°56 1.°0/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.67	+12 10.0	2.775	3.607	10.1	20.7
10 8	2 46.37	+11 52.8	2.682	3.594	7.5	20.5
10 18	2 39.55	+11 31.0	2.615	3.581	4.6	20.3
10 28	2 31.72	+11 6.7	2.577	3.567	1.6	20.0
11 7	2 23.53	+10 42.5	2.570	3.553	2.3	20.1
11 17	2 15.69	+10 21.5	2.593	3.539	5.4	20.3
11 27	2 8.87	+10 6.6	2.645	3.524	8.4	20.4
12 7	2 3.59	+10 0.0	2.723	3.509	11.0	20.6

210650 2000 JO_{6} 11 1.6 184.°84 4.°1/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.20	+ 3 42.7	2.322	3.169	11.3	20.9
10 8	2 46.86	+ 2 51.1	2.252	3.169	8.5	20.8
10 18	2 39.86	+ 1 59.2	2.208	3.169	5.7	20.6
10 28	2 31.81	+ 1 11.8	2.192	3.168	4.1	20.5
11 7	2 23.48	+ 0 33.7	2.205	3.167	5.2	20.6
11 17	2 15.66	+ 0 8.4	2.247	3.165	7.9	20.7
11 27	2 9.10	− 0 1.6	2.316	3.163	10.7	20.9
12 7	2 4.30	+ 0 4.2	2.407	3.160	13.2	21.1

290400 2005 TE_{32} 11 1.6 261.°21 2.°3/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.50	+10 30.0	2.064	2.914	12.4	21.3
10 8	2 45.86	+ 9 42.2	1.990	2.911	9.2	21.1
10 18	2 39.37	+ 8 48.5	1.940	2.908	5.6	20.9
10 28	2 31.68	+ 7 53.3	1.918	2.906	2.5	20.7
11 7	2 23.66	+ 7 1.9	1.924	2.903	3.8	20.8
11 17	2 16.18	+ 6 19.1	1.959	2.900	7.3	21.0
11 27	2 10.07	+ 5 49.3	2.021	2.897	10.8	21.2
12 7	2 5.90	+ 5 34.4	2.105	2.894	13.7	21.4

356153 2009 HD_{12} 11 1.6 29.°88 4.°1/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.41	+ 5 36.4	1.771	2.630	13.7	21.3
10 8	2 47.48	+ 4 51.8	1.707	2.631	10.3	21.1
10 18	2 40.43	+ 4 5.6	1.667	2.633	6.7	20.9
10 28	2 32.03	+ 3 23.5	1.653	2.635	4.2	20.8
11 7	2 23.29	+ 2 51.0	1.667	2.637	5.5	20.9
11 17	2 15.23	+ 2 32.5	1.708	2.639	9.0	21.1
11 27	2 8.79	+ 2 30.9	1.774	2.642	12.5	21.3
12 7	2 4.57	+ 2 46.5	1.861	2.644	15.5	21.5

218436 2004 RG_{184} 11 1.6 331.°20 2.°4/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.66	+11 55.6	2.002	2.855	12.6	19.7
10 8	2 44.53	+10 38.5	1.928	2.852	9.3	19.5
10 18	2 38.57	+ 9 12.7	1.879	2.849	5.7	19.3
10 28	2 31.43	+ 7 43.9	1.858	2.846	2.6	19.1
11 7	2 23.97	+ 6 19.0	1.865	2.843	4.1	19.2
11 17	2 17.08	+ 5 4.7	1.902	2.840	7.7	19.4
11 27	2 11.57	+ 4 6.3	1.965	2.838	11.2	19.6
12 7	2 7.98	+ 3 26.7	2.050	2.836	14.2	19.8

35212 1994 RP_{18} 11 1.6 117.°20 0.°6/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.56	+14 57.1	2.212	3.050	12.2	19.6
10 8	2 46.50	+14 27.8	2.142	3.056	9.0	19.4
10 18	2 39.69	+13 50.5	2.097	3.063	5.5	19.2
10 28	2 31.77	+13 8.3	2.079	3.070	1.7	18.9
11 7	2 23.59	+12 25.1	2.091	3.076	2.3	19.0
11 17	2 15.98	+11 45.2	2.132	3.083	6.1	19.3
11 27	2 9.72	+11 12.9	2.200	3.089	9.4	19.5
12 7	2 5.33	+10 51.2	2.293	3.095	12.3	19.7

293996 2007 TU_{81} 11 1.6 49.°68 2.°7/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.94	+11 42.4	1.640	2.499	14.6	20.4
10 8	2 46.49	+10 33.9	1.580	2.506	10.8	20.2
10 18	2 39.85	+ 9 17.0	1.543	2.514	6.6	19.9
10 28	2 31.84	+ 7 58.0	1.533	2.521	2.9	19.7
11 7	2 23.54	+ 6 44.4	1.550	2.529	4.4	19.9
11 17	2 16.02	+ 5 43.2	1.595	2.537	8.5	20.1
11 27	2 10.23	+ 4 59.7	1.665	2.546	12.4	20.4
12 7	2 6.74	+ 4 36.2	1.756	2.554	15.7	20.6

515545 2014 GK_{56} 11 1.6 102°.35 1°.9/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.91	+12 10.2	1.850	2.701	13.6	21.7
10 8	2 47.05	+11 22.0	1.783	2.705	10.1	21.5
10 18	2 40.15	+10 26.2	1.740	2.709	6.1	21.2
10 28	2 31.94	+ 9 27.4	1.723	2.712	2.4	21.0
11 7	2 23.42	+ 8 31.3	1.734	2.716	3.6	21.1
11 17	2 15.56	+ 7 43.7	1.774	2.719	7.6	21.4
11 27	2 9.28	+ 7 9.3	1.840	2.723	11.3	21.6
12 7	2 5.15	+ 6 50.6	1.928	2.726	14.5	21.8

395573 2011 UT_{250} 11 1.6 81°.93 3°.8/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.88	+ 4 58.8	1.891	2.743	13.3	20.7
10 8	2 49.06	+ 4 31.4	1.838	2.757	9.9	20.6
10 18	2 41.27	+ 4 4.2	1.808	2.772	6.4	20.4
10 28	2 32.28	+ 3 41.5	1.805	2.787	3.9	20.3
11 7	2 23.08	+ 3 27.6	1.831	2.802	5.0	20.4
11 17	2 14.64	+ 3 25.6	1.884	2.816	8.2	20.6
11 27	2 7.80	+ 3 37.2	1.964	2.830	11.5	20.8
12 7	2 3.12	+ 4 2.6	2.066	2.845	14.3	21.1

13587 1993 TQ_{29} 11 1.6 331°.16 2°.1/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.26	+11 57.8	1.761	2.621	13.7	19.1
10 8	2 44.61	+11 11.9	1.680	2.607	10.2	18.9
10 18	2 38.82	+10 17.5	1.622	2.593	6.3	18.6
10 28	2 31.57	+ 9 19.3	1.590	2.579	2.5	18.3
11 7	2 23.82	+ 8 23.2	1.585	2.567	3.8	18.4
11 17	2 16.61	+ 7 35.4	1.607	2.555	8.0	18.6
11 27	2 10.91	+ 7 1.4	1.655	2.543	12.0	18.8
12 7	2 7.41	+ 6 44.3	1.724	2.533	15.5	19.1

408082 2012 HN_{41} 11 1.7 182°.49 0°.0/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.36	+15 10.2	2.453	3.284	11.3	21.1
10 8	2 47.03	+15 6.3	2.374	3.284	8.5	20.9
10 18	2 40.01	+14 55.9	2.320	3.284	5.2	20.7
10 28	2 31.90	+14 40.6	2.293	3.284	1.7	20.5
11 7	2 23.46	+14 23.0	2.297	3.283	1.9	20.5
11 17	2 15.48	+14 6.1	2.330	3.283	5.5	20.8
11 27	2 8.72	+13 53.1	2.392	3.283	8.7	21.0
12 7	2 3.71	+13 46.8	2.479	3.282	11.5	21.2

486510 2013 GO_{114} 11 1.7 160°.86 5°.0/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.39	+ 0 16.4	2.180	3.027	12.0	21.3
10 8	2 47.83	− 0 19.5	2.115	3.029	9.2	21.1
10 18	2 40.50	− 0 52.1	2.075	3.031	6.5	21.0
10 28	2 32.05	− 1 16.8	2.063	3.033	5.0	20.9
11 7	2 23.33	− 1 29.4	2.079	3.034	6.1	21.0
11 17	2 15.19	− 1 27.4	2.124	3.036	8.6	21.1
11 27	2 8.40	− 1 9.4	2.194	3.037	11.4	21.3
12 7	2 3.50	− 0 36.1	2.287	3.038	13.9	21.5

511907 2015 HJ_{66} 11 1.7 152°.97 0°.9/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.10	+19 19.8	1.855	2.683	14.5	21.7
10 8	2 50.26	+18 58.6	1.784	2.690	11.0	21.5
10 18	2 42.16	+18 24.4	1.735	2.696	7.0	21.3
10 28	2 32.62	+17 39.5	1.713	2.702	2.6	21.0
11 7	2 22.70	+16 48.0	1.720	2.707	2.3	21.0
11 17	2 13.53	+15 55.6	1.755	2.711	6.6	21.3
11 27	2 6.09	+15 8.6	1.818	2.716	10.6	21.5
12 7	2 1.04	+14 32.0	1.905	2.719	14.0	21.8

198926 2005 UW_{203} 11 1.7 193°.87 0°.2/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.31	+16 6.2	1.917	2.753	13.8	21.6
10 8	2 49.66	+15 39.4	1.839	2.751	10.4	21.4
10 18	2 41.81	+15 2.3	1.784	2.749	6.4	21.1
10 28	2 32.52	+14 17.6	1.756	2.746	2.0	20.9
11 7	2 22.79	+13 29.7	1.757	2.743	2.5	20.9
11 17	2 13.70	+12 44.1	1.787	2.740	6.9	21.2
11 27	2 6.23	+12 6.1	1.844	2.736	10.8	21.4
12 7	2 1.02	+11 40.0	1.925	2.731	14.2	21.6

234975 2002 YG_{14} 11 1.7 29°.92 2°.3/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.00	+13 9.9	0.880	1.770	21.2	18.9
10 8	2 49.37	+12 29.9	0.840	1.781	15.8	18.6
10 18	2 42.14	+11 37.2	0.817	1.793	9.6	18.4
10 28	2 32.65	+10 39.3	0.815	1.806	3.3	18.1
11 7	2 22.77	+ 9 46.2	0.836	1.821	5.0	18.2
11 17	2 14.36	+ 9 7.1	0.878	1.837	11.0	18.6
11 27	2 8.85	+ 8 48.7	0.942	1.853	16.4	19.0
12 7	2 6.91	+ 8 52.9	1.023	1.871	20.9	19.3

513124 1996 JJ_{3} 11 1.7 185°.54 1°.8/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.34	+10 54.7	2.212	3.053	12.0	22.2
10 8	2 47.86	+10 24.3	2.137	3.053	8.9	22.0
10 18	2 40.56	+ 9 48.9	2.086	3.053	5.5	21.8
10 28	2 32.09	+ 9 11.6	2.063	3.052	2.2	21.5
11 7	2 23.29	+ 8 36.6	2.070	3.051	3.2	21.6
11 17	2 15.03	+ 8 8.0	2.106	3.049	6.7	21.8
11 27	2 8.11	+ 7 49.2	2.170	3.047	10.1	22.1
12 7	2 3.10	+ 7 42.4	2.257	3.045	13.0	22.2

372332 2009 BY_{178} 11 1.7 117°.95 2°.8/ 3.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	3 0.76	+22 27.5	1.563	2.385	17.1	21.4
10 8	2 54.11	+22 36.9	1.501	2.400	13.2	21.2
10 18	2 44.67	+22 30.1	1.461	2.415	8.8	20.9
10 28	2 33.44	+22 6.9	1.445	2.429	4.3	20.7
11 7	2 21.81	+21 30.7	1.458	2.442	3.4	20.7
11 17	2 11.20	+20 47.2	1.498	2.456	7.4	21.0
11 27	2 2.82	+20 4.0	1.565	2.468	11.6	21.2
12 7	1 57.37	+19 28.0	1.654	2.480	15.2	21.5

513909 2013 YN_{94} 11 1.7 276°.03 1°.1/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.36	+13 42.1	1.601	2.452	15.3	21.9
10 8	2 49.43	+13 17.1	1.519	2.440	11.5	21.7
10 18	2 41.93	+12 42.4	1.459	2.428	7.1	21.4
10 28	2 32.62	+12 1.4	1.426	2.416	2.3	21.0
11 7	2 22.66	+11 19.4	1.419	2.404	3.3	21.1
11 17	2 13.33	+10 42.5	1.439	2.392	8.2	21.4
11 27	2 5.83	+10 16.3	1.485	2.379	12.7	21.6
12 7	2 0.94	+10 4.9	1.553	2.367	16.6	21.8

75586 2000 AZ_{15} 11 1.7 254°.57 2°.5/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.73	+22 27.0	1.616	2.444	16.3	18.9
10 8	2 50.59	+22 22.7	1.532	2.435	12.7	18.6
10 18	2 42.70	+22 1.5	1.468	2.425	8.5	18.3
10 28	2 32.88	+21 23.9	1.430	2.414	4.1	18.1
11 7	2 22.36	+20 33.0	1.418	2.404	3.2	18.0
11 17	2 12.51	+19 35.1	1.434	2.393	7.4	18.2
11 27	2 4.61	+18 38.4	1.476	2.382	11.9	18.5
12 7	1 59.50	+17 50.3	1.540	2.371	15.9	18.7

38581 1999 XQ_{17} 11 1.7 341°.29 1°.7/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.93	+18 35.6	1.879	2.710	14.2	18.5
10 8	2 49.57	+19 2.5	1.799	2.705	10.9	18.3
10 18	2 41.89	+19 20.2	1.741	2.701	7.1	18.1
10 28	2 32.59	+19 28.5	1.710	2.697	3.1	17.8
11 7	2 22.71	+19 29.0	1.707	2.693	2.6	17.8
11 17	2 13.39	+19 24.3	1.732	2.689	6.5	18.0
11 27	2 5.71	+19 19.0	1.784	2.686	10.5	18.3
12 7	2 0.40	+19 17.4	1.860	2.684	13.9	18.5

422100 2014 QE_{404} 11 1.7 32°.44 2°.8/ 3.9 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.68	+24 26.9	1.675	2.503	15.9	20.2
10 8	2 46.34	+24 9.9	1.622	2.523	12.3	20.0
10 18	2 39.77	+23 35.2	1.589	2.543	8.2	19.8
10 28	2 31.83	+22 44.7	1.582	2.564	4.2	19.6
11 7	2 23.67	+21 43.2	1.601	2.586	3.1	19.6
11 17	2 16.39	+20 37.2	1.648	2.609	6.5	19.9
11 27	2 10.92	+19 34.4	1.721	2.632	10.3	20.1
12 7	2 7.82	+18 40.8	1.818	2.656	13.6	20.4

367560 2009 SO_{69} 11 1.7 80°.94 2°.5/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.75	+ 9 35.0	2.209	3.059	11.7	21.1
10 8	2 45.12	+ 8 43.0	2.145	3.067	8.7	20.9
10 18	2 38.84	+ 7 46.6	2.107	3.075	5.3	20.7
10 28	2 31.54	+ 6 50.2	2.096	3.082	2.6	20.5
11 7	2 24.00	+ 5 58.8	2.114	3.090	3.8	20.6
11 17	2 17.04	+ 5 16.8	2.161	3.098	7.0	20.8
11 27	2 11.35	+ 4 47.8	2.235	3.106	10.1	21.1
12 7	2 7.45	+ 4 33.3	2.332	3.113	12.8	21.3

275404 2011 BG_{43} 11 1.7 322°.28 4°.0/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.71	+ 5 38.2	2.058	2.916	12.1	20.1
10 8	2 44.56	+ 4 37.1	1.985	2.909	9.1	19.9
10 18	2 38.61	+ 3 33.5	1.937	2.902	6.0	19.7
10 28	2 31.49	+ 2 33.0	1.916	2.895	4.0	19.6
11 7	2 24.03	+ 1 41.3	1.923	2.889	5.4	19.7
11 17	2 17.08	+ 1 3.4	1.958	2.883	8.4	19.8
11 27	2 11.43	+ 0 42.4	2.018	2.877	11.6	20.0
12 7	2 7.65	+ 0 39.5	2.100	2.871	14.3	20.2

517810 2015 QA_{13} 11 1.7 18°.60 1°.2/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.23	+11 8.9	1.833	2.682	13.8	20.6
10 8	2 48.86	+11 14.0	1.765	2.685	10.3	20.4
10 18	2 41.33	+11 14.9	1.721	2.689	6.3	20.2
10 28	2 32.38	+11 13.8	1.703	2.694	2.1	20.0
11 7	2 23.04	+11 13.7	1.714	2.698	3.0	20.0
11 17	2 14.36	+11 17.5	1.752	2.704	7.1	20.3
11 27	2 7.30	+11 28.1	1.818	2.709	10.9	20.5
12 7	2 2.52	+11 47.6	1.906	2.715	14.2	20.8

29249 Hiraizumi 11 1.7 359°.49 0°.4/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.76	+15 23.7	1.727	2.576	14.5	18.4
10 8	2 47.20	+15 0.3	1.655	2.575	10.9	18.1
10 18	2 40.39	+14 26.8	1.606	2.574	6.7	17.9
10 28	2 32.10	+13 46.4	1.583	2.574	2.1	17.6
11 7	2 23.37	+13 3.8	1.588	2.574	2.7	17.6
11 17	2 15.32	+12 24.6	1.620	2.574	7.2	17.9
11 27	2 8.95	+11 54.1	1.678	2.575	11.3	18.2
12 7	2 4.91	+11 36.1	1.758	2.576	14.8	18.4

204765 2006 *KH* 11 1.7 81°.18 1°.1/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 59.18	+10 55.9	1.726	2.569	14.8	20.1
10 8	2 52.64	+11 11.1	1.661	2.578	11.0	19.8
10 18	2 43.68	+11 22.5	1.620	2.587	6.7	19.6
10 28	2 33.15	+11 31.7	1.605	2.595	2.3	19.4
11 7	2 22.22	+11 41.3	1.619	2.604	3.0	19.4
11 17	2 12.08	+11 53.8	1.662	2.613	7.4	19.7
11 27	2 3.80	+12 12.1	1.731	2.621	11.5	20.0
12 7	1 58.07	+12 38.1	1.824	2.630	14.9	20.2

511761 2015 DS_{208} 11 1.7 201°.24 3°.4/30.4 18

9 28	2 55.55	+ 8 8.3	1.727	2.579	14.3	21.7
10 8	2 49.97	+ 7 24.2	1.655	2.577	10.7	21.4
10 18	2 42.08	+ 6 35.7	1.607	2.574	6.7	21.2
10 28	2 32.65	+ 5 48.0	1.585	2.571	3.5	21.0
11 7	2 22.78	+ 5 7.1	1.592	2.568	4.9	21.1
11 17	2 13.60	+ 4 38.2	1.626	2.564	8.8	21.3
11 27	2 6.15	+ 4 25.2	1.686	2.559	12.7	21.5
12 7	2 1.11	+ 4 29.6	1.768	2.554	16.0	21.7

220985 2005 NU_{28} 11 1.7 108°.09 3°.4/30.3 16

9 28	2 54.58	+ 9 49.0	1.556	2.415	15.3	21.0
10 8	2 49.28	+ 8 43.2	1.500	2.425	11.3	20.8
10 18	2 41.61	+ 7 30.8	1.467	2.436	7.0	20.6
10 28	2 32.47	+ 6 18.6	1.459	2.446	3.6	20.4
11 7	2 23.05	+ 5 14.1	1.479	2.456	5.1	20.5
11 17	2 14.52	+ 4 24.0	1.527	2.465	9.2	20.8
11 27	2 7.90	+ 3 53.0	1.599	2.475	13.1	21.1
12 7	2 3.77	+ 3 42.5	1.692	2.484	16.4	21.3

494953 2009 RP_{14} 11 1.7 323°.29 2°.0/ 2.9 17

9 28	2 52.22	+19 41.9	1.768	2.604	14.8	21.1
10 8	2 47.91	+20 1.4	1.671	2.580	11.5	20.9
10 18	2 41.10	+20 10.0	1.596	2.556	7.6	20.6
10 28	2 32.44	+20 7.5	1.546	2.533	3.5	20.3
11 7	2 22.96	+19 55.6	1.524	2.510	2.8	20.2
11 17	2 13.88	+19 37.7	1.529	2.488	7.0	20.4
11 27	2 6.41	+19 19.1	1.559	2.467	11.3	20.6
12 7	2 1.42	+19 5.5	1.612	2.446	15.2	20.8

159909 2004 VF_{23} 11 1.7 323°.83 4°.1/30.2 18

9 28	2 54.91	+ 2 27.7	1.994	2.843	12.8	19.4
10 8	2 49.27	+ 2 21.7	1.917	2.834	9.8	19.2
10 18	2 41.58	+ 2 18.5	1.864	2.826	6.5	19.0
10 28	2 32.50	+ 2 21.9	1.838	2.818	4.2	18.9
11 7	2 22.98	+ 2 35.1	1.841	2.810	5.3	18.9
11 17	2 14.00	+ 3 0.2	1.872	2.802	8.4	19.1
11 27	2 6.48	+ 3 38.3	1.930	2.795	11.7	19.3
12 7	2 1.08	+ 4 28.8	2.010	2.788	14.7	19.5

386999 2012 QY_{50} 11 1.7 75°.82 0°.1/ 1.6 18

9 28	2 58.40	+15 18.4	1.514	2.359	16.4	20.5
10 8	2 52.15	+15 10.3	1.464	2.381	12.2	20.3
10 18	2 43.36	+14 52.3	1.436	2.403	7.5	20.1
10 28	2 33.03	+14 27.1	1.434	2.424	2.4	19.9
11 7	2 22.48	+13 59.3	1.459	2.446	2.8	20.0
11 17	2 12.98	+13 33.9	1.512	2.467	7.6	20.3
11 27	2 5.61	+13 16.2	1.591	2.488	11.8	20.6
12 7	2 0.97	+13 9.6	1.692	2.509	15.3	20.9

250785 2005 TP_{74} 11 1.7 353°.24 2°.8/30.4 18

9 28	2 46.42	+12 37.4	1.452	2.324	15.4	19.4
10 8	2 43.53	+11 18.4	1.385	2.318	11.4	19.1
10 18	2 38.28	+ 9 47.4	1.339	2.312	7.0	18.9
10 28	2 31.46	+ 8 11.7	1.319	2.308	3.1	18.6
11 7	2 24.19	+ 6 40.7	1.325	2.305	4.9	18.7
11 17	2 17.64	+ 5 23.5	1.357	2.303	9.3	19.0
11 27	2 12.86	+ 4 27.2	1.413	2.302	13.6	19.2
12 7	2 10.51	+ 3 54.9	1.489	2.302	17.3	19.5

226515 2003 UO_{45} 11 1.7 343°.28 0°.3/ 1.5 18

9 28	2 48.94	+15 43.6	1.761	2.613	14.1	20.5
10 8	2 45.16	+15 20.9	1.682	2.603	10.6	20.3
10 18	2 39.19	+14 47.8	1.626	2.594	6.5	20.0
10 28	2 31.75	+14 7.4	1.595	2.586	2.1	19.7
11 7	2 23.83	+13 24.3	1.592	2.579	2.6	19.7
11 17	2 16.47	+12 43.8	1.616	2.572	7.1	20.0
11 27	2 10.67	+12 11.6	1.665	2.566	11.2	20.2
12 7	2 7.11	+11 51.7	1.738	2.561	14.7	20.5

445976 2013 BV_{21} 11 1.7 144°.69 2°.6/ 3.8 18

9 28	2 54.74	+23 58.2	2.133	2.940	13.6	21.5
10 8	2 49.12	+23 57.5	2.057	2.946	10.6	21.3
10 18	2 41.45	+23 42.9	2.004	2.952	7.2	21.1
10 28	2 32.45	+23 14.7	1.977	2.957	3.8	20.9
11 7	2 23.08	+22 35.5	1.979	2.963	2.9	20.8
11 17	2 14.33	+21 49.7	2.011	2.967	5.9	21.0
11 27	2 7.12	+21 3.1	2.070	2.972	9.3	21.3
12 7	2 2.07	+20 21.0	2.155	2.976	12.3	21.5

485664 2011 WH_{87} 11 1.7 315°.09 0°.3/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 50.48	+18 0.5	1.671	2.518	15.0	22.0
10 8	2 46.53	+17 33.4	1.584	2.501	11.4	21.7
10 18	2 40.17	+16 52.5	1.519	2.485	7.2	21.4
10 28	2 32.10	+16 0.3	1.479	2.469	2.5	21.1
11 7	2 23.41	+15 1.9	1.466	2.453	2.5	21.1
11 17	2 15.27	+14 3.7	1.480	2.438	7.4	21.3
11 27	2 8.82	+13 13.0	1.520	2.423	11.9	21.6
12 7	2 4.82	+12 35.6	1.582	2.409	15.8	21.8

518438 2003 WL_5 11 1.7 332°.30 6°.0/27.5 18

9 28	2 48.60	− 0 2.5	1.957	2.819	12.5	20.4
10 8	2 44.56	− 1 11.0	1.890	2.810	9.7	20.2
10 18	2 38.67	− 2 17.5	1.846	2.802	7.1	20.0
10 28	2 31.56	− 3 15.0	1.829	2.794	6.0	19.9
11 7	2 24.09	− 3 57.6	1.839	2.786	7.4	20.0
11 17	2 17.15	− 4 20.8	1.875	2.779	10.1	20.1
11 27	2 11.58	− 4 22.5	1.935	2.772	12.9	20.3
12 7	2 7.93	− 4 3.2	2.015	2.766	15.5	20.5

511977 2015 KW_{60} 11 1.7 151°.16 0°.4/ 1.4 18

9 28	2 56.34	+15 22.4	1.896	2.732	14.0	22.4
10 8	2 50.37	+14 59.0	1.827	2.739	10.4	22.2
10 18	2 42.23	+14 26.4	1.781	2.746	6.4	21.9
10 28	2 32.70	+13 47.2	1.762	2.753	2.0	21.7
11 7	2 22.83	+13 5.9	1.772	2.758	2.5	21.7
11 17	2 13.68	+12 27.5	1.812	2.764	6.8	22.0
11 27	2 6.21	+11 56.9	1.878	2.769	10.7	22.3
12 7	2 1.02	+11 37.7	1.968	2.773	14.0	22.5

226019 2002 EV_{105} 11 1.7 238°.07 2°.1/ 2.9 18

9 28	2 57.15	+20 19.3	1.839	2.663	14.8	20.6
10 8	2 51.35	+20 35.6	1.755	2.656	11.5	20.3
10 18	2 43.06	+20 40.2	1.693	2.650	7.5	20.1
10 28	2 33.04	+20 32.9	1.658	2.643	3.5	19.8
11 7	2 22.39	+20 15.7	1.650	2.636	2.8	19.8
11 17	2 12.32	+19 52.3	1.672	2.629	6.8	20.0
11 27	2 3.98	+19 28.3	1.720	2.621	10.8	20.3
12 7	1 58.16	+19 9.1	1.792	2.614	14.4	20.5

354415 2003 VT_{11} 11 1.7 357°.06 8°.1/ 4.0 18

9 28	2 55.06	+24 8.1	1.036	1.891	21.5	19.5
10 8	2 51.62	+26 15.4	0.971	1.882	17.5	19.2
10 18	2 44.17	+28 9.8	0.925	1.875	13.1	19.0
10 28	2 33.60	+29 42.3	0.899	1.871	9.2	18.7
11 7	2 21.66	+30 46.8	0.896	1.869	8.3	18.7
11 17	2 10.56	+31 22.5	0.915	1.870	11.3	18.9
11 27	2 2.40	+31 36.2	0.955	1.873	15.6	19.1
12 7	1 58.45	+31 38.2	1.014	1.878	19.7	19.4

63332 2001 FY_{62} 11 1.7 109°.57 4°.9/29.5 18

9 28	2 55.45	+ 5 39.4	1.514	2.376	15.5	18.7
10 8	2 49.98	+ 4 36.4	1.460	2.385	11.6	18.5
10 18	2 42.08	+ 3 31.4	1.428	2.394	7.6	18.3
10 28	2 32.66	+ 2 31.7	1.422	2.403	4.9	18.2
11 7	2 22.94	+ 1 44.5	1.443	2.412	6.5	18.3
11 17	2 14.14	+ 1 15.5	1.491	2.420	10.2	18.5
11 27	2 7.28	+ 1 7.5	1.562	2.429	13.9	18.8
12 7	2 2.99	+ 1 20.5	1.654	2.436	17.2	19.0

471252 2011 BD_{138} 11 1.7 120°.16 3°.5/ 3.9 16

9 28	2 58.59	+24 27.0	1.634	2.450	16.7	21.8
10 8	2 52.54	+24 38.8	1.566	2.459	13.1	21.6
10 18	2 43.79	+24 33.3	1.520	2.469	9.0	21.4
10 28	2 33.26	+24 10.0	1.498	2.478	4.9	21.2
11 7	2 22.25	+23 31.6	1.504	2.486	3.8	21.1
11 17	2 12.14	+22 43.6	1.537	2.495	7.2	21.3
11 27	2 4.12	+21 53.9	1.597	2.503	11.3	21.6
12 7	1 58.92	+21 9.7	1.680	2.511	14.8	21.9

117620 2005 EE_{100} 11 1.7 327°.37 2°.2/ 3.0 17

9 28	2 54.01	+19 45.1	1.964	2.792	13.9	18.8
10 8	2 48.95	+20 16.5	1.874	2.778	10.7	18.6
10 18	2 41.59	+20 38.7	1.807	2.764	7.1	18.3
10 28	2 32.59	+20 50.9	1.766	2.751	3.4	18.1
11 7	2 22.92	+20 54.3	1.753	2.739	2.8	18.0
11 17	2 13.69	+20 51.3	1.769	2.727	6.4	18.2
11 27	2 5.98	+20 46.1	1.812	2.715	10.3	18.4
12 7	2 0.55	+20 43.1	1.878	2.704	13.7	18.6

321035 2008 PZ_{16} 11 1.7 125°.89 5°.8/ 8.1 18

9 28	2 55.89	+37 13.5	2.803	3.527	12.7	21.3
10 8	2 49.74	+37 37.6	2.727	3.541	10.7	21.2
10 18	2 41.74	+37 44.4	2.672	3.555	8.6	21.1
10 28	2 32.55	+37 32.2	2.643	3.568	6.7	21.0
11 7	2 23.05	+37 1.5	2.641	3.581	5.8	20.9
11 17	2 14.12	+36 15.1	2.668	3.594	6.4	21.0
11 27	2 6.60	+35 18.1	2.723	3.606	8.1	21.1
12 7	2 1.04	+34 16.5	2.804	3.617	10.0	21.3

96536 1998 SO_{10} 11 1.7 167°.09 4°.1/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 57.07	+ 1 10.3	3.223	4.045	9.1	21.6
10 8	2 49.98	− 0 16.5	3.155	4.055	6.9	21.5
10 18	2 41.61	− 1 42.9	3.116	4.064	5.0	21.3
10 28	2 32.48	− 3 4.0	3.110	4.071	4.1	21.3
11 7	2 23.18	− 4 15.2	3.138	4.076	5.1	21.4
11 17	2 14.34	− 5 13.0	3.197	4.080	7.1	21.5
11 27	2 6.51	− 5 55.1	3.286	4.083	9.1	21.6
12 7	2 0.13	− 6 21.1	3.400	4.085	10.9	21.8

472103 2014 AV_{29} 11 1.7 344°.88 5°.7/29.4 18

9 28	2 49.48	+ 5 48.8	1.133	2.020	17.7	20.1
10 8	2 46.43	+ 4 48.9	1.071	2.010	13.4	19.8
10 18	2 40.37	+ 3 45.2	1.029	2.000	8.8	19.6
10 28	2 32.23	+ 2 46.7	1.009	1.992	5.8	19.4
11 7	2 23.42	+ 2 3.1	1.013	1.985	7.7	19.5
11 17	2 15.49	+ 1 41.8	1.039	1.979	12.2	19.7
11 27	2 9.78	+ 1 46.9	1.087	1.975	16.9	20.0
12 7	2 7.15	+ 2 18.0	1.152	1.972	20.9	20.2

89160 2001 UD_{48} 11 1.7 41°.72 1°.5/31.9 18

9 28	2 56.30	+13 36.3	0.967	1.846	20.7	18.9
10 8	2 51.58	+13 13.6	0.928	1.863	15.4	18.6
10 18	2 43.41	+12 39.2	0.907	1.881	9.3	18.4
10 28	2 33.12	+11 58.7	0.908	1.899	3.0	18.1
11 7	2 22.55	+11 20.0	0.933	1.919	4.2	18.2
11 17	2 13.47	+10 50.7	0.980	1.939	10.1	18.6
11 27	2 7.23	+10 37.1	1.050	1.960	15.3	19.0
12 7	2 4.48	+10 41.6	1.138	1.981	19.6	19.4

106322 2000 UQ_{99} 11 1.7 342°.38 3°.0/ 3.4 18 R

9 28	2 52.45	+22 36.6	1.155	2.011	19.7	19.1
10 8	2 48.94	+22 34.8	1.086	2.004	15.4	18.8
10 18	2 42.07	+22 11.2	1.035	1.997	10.3	18.5
10 28	2 32.82	+21 26.3	1.006	1.992	5.0	18.2
11 7	2 22.75	+20 25.0	1.001	1.987	3.7	18.1
11 17	2 13.63	+19 16.2	1.019	1.983	8.9	18.4
11 27	2 7.02	+18 11.1	1.061	1.980	14.2	18.7
12 7	2 3.83	+17 19.1	1.122	1.978	18.9	19.0

415546 2014 QB_{172} 11 1.7 54°.08 0°.3/ 1.9 18

9 28	2 50.91	+17 46.4	2.089	2.924	12.9	21.3
10 8	2 46.20	+17 22.1	2.020	2.931	9.7	21.1
10 18	2 39.63	+16 47.6	1.974	2.938	6.0	20.9
10 28	2 31.89	+16 5.3	1.955	2.945	2.1	20.6
11 7	2 23.85	+15 19.3	1.965	2.953	2.1	20.7
11 17	2 16.42	+14 34.2	2.005	2.960	6.0	20.9
11 27	2 10.41	+13 55.0	2.071	2.968	9.5	21.2
12 7	2 6.36	+13 25.6	2.161	2.976	12.5	21.4

40720 1999 SL_{6} 11 1.7 54°.52 7°.4/28.3 18

9 28	2 54.67	− 1 46.2	1.492	2.355	15.6	18.5
10 8	2 49.31	− 2 45.4	1.450	2.370	12.1	18.3
10 18	2 41.60	− 3 37.6	1.431	2.385	8.9	18.2
10 28	2 32.51	− 4 15.0	1.436	2.400	7.4	18.1
11 7	2 23.22	− 4 31.7	1.467	2.415	8.7	18.2
11 17	2 14.90	− 4 24.7	1.523	2.431	11.7	18.5
11 27	2 8.53	− 3 54.2	1.602	2.447	14.8	18.7
12 7	2 4.66	− 3 3.2	1.701	2.463	17.5	18.9

320075 2007 EN_{51} 11 1.7 100°.17 2°.1/30.7 18

9 28	2 49.72	+10 56.8	2.294	3.140	11.5	20.6
10 8	2 45.08	+10 2.3	2.228	3.148	8.5	20.4
10 18	2 38.84	+ 9 2.4	2.188	3.156	5.2	20.2
10 28	2 31.62	+ 8 1.3	2.175	3.163	2.3	20.0
11 7	2 24.17	+ 7 3.9	2.192	3.170	3.4	20.1
11 17	2 17.27	+ 6 14.9	2.238	3.178	6.6	20.4
11 27	2 11.60	+ 5 38.0	2.312	3.185	9.7	20.6
12 7	2 7.66	+ 5 15.3	2.409	3.192	12.4	20.8

335745 2007 EW_{22} 11 1.7 128°.18 1°.8/ 2.9 18

9 28	2 56.74	+20 28.6	1.681	2.511	15.7	21.0
10 8	2 51.06	+20 28.7	1.611	2.516	12.1	20.8
10 18	2 42.86	+20 14.9	1.562	2.521	7.8	20.5
10 28	2 32.98	+19 48.1	1.539	2.526	3.4	20.3
11 7	2 22.64	+19 11.8	1.544	2.531	2.7	20.2
11 17	2 13.08	+18 31.3	1.577	2.535	7.0	20.5
11 27	2 5.44	+17 53.1	1.636	2.539	11.2	20.8
12 7	2 0.42	+17 22.9	1.718	2.543	14.8	21.0

2614 Torrence 11 1.7 46°.03 5°.7/29.9 18

9 28	2 55.88	+ 4 18.5	1.183	2.059	18.0	15.9
10 8	2 50.71	+ 3 31.4	1.142	2.074	13.5	15.7
10 18	2 42.66	+ 2 45.3	1.122	2.090	8.9	15.5
10 28	2 32.89	+ 2 8.1	1.125	2.107	5.8	15.3
11 7	2 22.87	+ 1 47.0	1.153	2.124	7.3	15.5
11 17	2 14.07	+ 1 46.2	1.205	2.141	11.4	15.8
11 27	2 7.65	+ 2 7.3	1.280	2.159	15.5	16.1
12 7	2 4.22	+ 2 48.3	1.374	2.178	18.9	16.3

411591 2011 EQ_{76} 11 1.7 287°.95 4°.5/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 52.35	+29 47.2	2.345	3.127	13.3	20.8
10 8	2 47.52	+30 0.8	2.244	3.109	10.9	20.6
10 18	2 40.63	+29 58.5	2.165	3.092	8.1	20.4
10 28	2 32.29	+29 39.1	2.112	3.075	5.5	20.2
11 7	2 23.38	+29 3.4	2.086	3.057	4.5	20.1
11 17	2 14.87	+28 14.8	2.090	3.040	6.2	20.2
11 27	2 7.73	+27 18.7	2.120	3.022	9.1	20.3
12 7	2 2.63	+26 21.8	2.176	3.005	12.0	20.5

234719 2002 JB_{119} 11 1.7 114°.63 8°.7/25.8 18

9 28	2 53.62	− 7 28.3	1.873	2.719	13.7	20.1
10 8	2 48.18	− 8 52.7	1.830	2.730	11.1	20.0
10 18	2 40.81	−10 7.0	1.810	2.740	9.2	19.9
10 28	2 32.26	−11 3.4	1.817	2.750	8.7	19.9
11 7	2 23.53	−11 36.0	1.849	2.760	9.9	20.0
11 17	2 15.55	−11 42.3	1.907	2.770	12.0	20.1
11 27	2 9.16	−11 22.4	1.987	2.780	14.4	20.3
12 7	2 4.88	−10 39.5	2.086	2.789	16.5	20.5

349217 2007 RD_{314} 11 1.7 111°.31 3°.1/30.3 18

9 28	2 53.65	+ 8 30.8	1.865	2.717	13.5	20.8
10 8	2 48.28	+ 7 38.0	1.807	2.729	10.0	20.6
10 18	2 40.90	+ 6 41.1	1.773	2.740	6.2	20.4
10 28	2 32.31	+ 5 45.6	1.766	2.752	3.3	20.3
11 7	2 23.47	+ 4 57.1	1.788	2.763	4.6	20.4
11 17	2 15.37	+ 4 20.6	1.838	2.773	8.1	20.6
11 27	2 8.86	+ 3 59.5	1.913	2.784	11.6	20.8
12 7	2 4.50	+ 3 55.2	2.011	2.794	14.5	21.1

46459 4540 P–L 11 1.7 81°.40 4°.8/27.9 18

9 28	2 48.98	+ 3 13.2	2.195	3.051	11.6	19.8
10 8	2 44.59	+ 1 50.9	2.137	3.057	8.7	19.7
10 18	2 38.57	+ 0 28.3	2.103	3.063	6.1	19.5
10 28	2 31.56	− 0 48.3	2.098	3.069	4.8	19.5
11 7	2 24.32	− 1 53.0	2.121	3.074	6.1	19.5
11 17	2 17.64	− 2 41.1	2.172	3.080	8.7	19.7
11 27	2 12.20	− 3 10.0	2.248	3.086	11.4	19.9
12 7	2 8.51	− 3 19.3	2.347	3.092	13.7	20.1

53597 2000 CX_{63} 11 1.7 272°.93 4°.4/29.4 18

9 28	2 52.61	+ 7 58.6	1.565	2.428	15.0	19.5
10 8	2 48.14	+ 6 41.6	1.486	2.414	11.3	19.3
10 18	2 41.18	+ 5 17.1	1.431	2.399	7.3	19.0
10 28	2 32.50	+ 3 52.4	1.401	2.384	4.5	18.8
11 7	2 23.22	+ 2 36.3	1.398	2.369	6.2	18.9
11 17	2 14.57	+ 1 37.0	1.422	2.354	10.3	19.1
11 27	2 7.68	+ 1 0.2	1.470	2.339	14.5	19.3
12 7	2 3.33	+ 0 47.8	1.538	2.323	18.1	19.5

73480 2002 PN_{34} 11 1.7 39°.34 0°.7/ 7.4 14 C

9 28	2 33.00	+32 28.8	24.225	24.957	1.6	22.6
10 8	2 31.75	+32 27.1	24.151	24.977	1.3	22.6
10 18	2 30.36	+32 23.7	24.102	24.998	1.0	22.6
10 28	2 28.87	+32 18.6	24.081	25.018	0.8	22.5
11 7	2 27.37	+32 12.1	24.088	25.039	0.7	22.5
11 17	2 25.90	+32 4.4	24.125	25.059	0.8	22.5
11 27	2 24.53	+31 55.7	24.191	25.080	1.0	22.6
12 7	2 23.32	+31 46.5	24.285	25.101	1.3	22.6

232216 2002 HV_{11} 11 1.7 90°.07 14°.2/20.8 17

9 28	2 57.93	−28 12.1	2.013	2.778	15.7	20.2
10 8	2 51.17	−30 1.0	2.017	2.809	14.7	20.2
10 18	2 42.48	−31 22.0	2.040	2.840	14.2	20.2
10 28	2 32.77	−32 8.2	2.085	2.869	14.3	20.3
11 7	2 23.12	−32 16.9	2.149	2.898	14.9	20.4
11 17	2 14.52	−31 49.6	2.233	2.927	15.8	20.5
11 27	2 7.73	−30 50.6	2.333	2.954	16.8	20.7
12 7	2 3.21	−29 26.6	2.448	2.981	17.6	20.8

82283 2001 KT_{29} 11 1.7 195°.13 0°.0/ 1.5 17

9 28	2 55.72	+17 19.6	1.762	2.599	14.8	20.4
10 8	2 50.21	+16 46.4	1.685	2.597	11.2	20.2
10 18	2 42.32	+16 0.5	1.630	2.595	6.9	19.9
10 28	2 32.86	+15 5.0	1.602	2.593	2.3	19.6
11 7	2 22.92	+14 5.0	1.603	2.590	2.6	19.7
11 17	2 13.69	+13 7.0	1.632	2.586	7.2	20.0
11 27	2 6.21	+12 17.6	1.687	2.582	11.4	20.2
12 7	2 1.19	+11 41.6	1.766	2.578	15.0	20.4

1757 Porvoo 11 1.7 217°.68 0°.0/ 1.5 18

9 28	2 56.98	+16 1.6	1.781	2.618	14.7	17.5
10 8	2 51.21	+15 48.8	1.700	2.612	11.1	17.3
10 18	2 42.99	+15 26.0	1.641	2.606	6.9	17.0
10 28	2 33.10	+14 55.0	1.609	2.599	2.3	16.7
11 7	2 22.64	+14 19.9	1.605	2.591	2.5	16.7
11 17	2 12.80	+13 45.7	1.629	2.584	7.2	17.0
11 27	2 4.71	+13 17.9	1.681	2.575	11.5	17.2
12 7	1 59.11	+13 0.8	1.755	2.567	15.1	17.5

72241 2001 AN_{23} 11 1.7 231°.98 3°.9/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 53.15	+ 6 13.3	1.888	2.742	13.2	19.7
10 8	2 48.07	+ 5 21.9	1.815	2.736	9.9	19.5
10 18	2 40.92	+ 4 27.7	1.765	2.730	6.4	19.3
10 28	2 32.39	+ 3 36.1	1.743	2.724	4.0	19.1
11 7	2 23.46	+ 2 53.1	1.748	2.718	5.3	19.2
11 17	2 15.11	+ 2 23.4	1.781	2.712	8.8	19.4
11 27	2 8.27	+ 2 10.5	1.840	2.705	12.2	19.6
12 7	2 3.59	+ 2 15.5	1.921	2.698	15.3	19.8

422309 2014 SH_{164} 11 1.7 22°.70 2°.5/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.13	+ 9 49.8	1.958	2.815	12.7	20.6
10 8	2 44.93	+ 9 3.2	1.896	2.820	9.4	20.4
10 18	2 38.90	+ 8 11.8	1.857	2.826	5.8	20.2
10 28	2 31.71	+ 7 20.2	1.845	2.833	2.8	20.0
11 7	2 24.25	+ 6 33.6	1.862	2.840	4.0	20.1
11 17	2 17.40	+ 5 56.9	1.906	2.847	7.4	20.3
11 27	2 11.95	+ 5 33.7	1.976	2.855	10.8	20.5
12 7	2 8.45	+ 5 25.7	2.069	2.863	13.8	20.8

471035 2009 TS_{12} 11 1.7 53°.98 0°.3/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.81	+17 12.0	1.181	2.037	19.3	20.8
10 8	2 52.87	+16 55.3	1.145	2.067	14.4	20.6
10 18	2 43.94	+16 24.4	1.129	2.097	8.8	20.4
10 28	2 33.31	+15 43.2	1.137	2.127	2.9	20.1
11 7	2 22.60	+14 58.1	1.170	2.158	3.0	20.2
11 17	2 13.33	+14 16.5	1.229	2.188	8.4	20.6
11 27	2 6.65	+13 45.4	1.313	2.219	13.1	21.0
12 7	2 3.10	+13 28.8	1.417	2.250	16.9	21.3

239863 2000 AK_{224} 11 1.7 115°.94 4°.0/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 0.27	+ 7 24.8	1.466	2.320	16.3	20.9
10 8	2 53.56	+ 6 34.7	1.417	2.339	12.1	20.7
10 18	2 44.27	+ 5 41.4	1.391	2.358	7.6	20.5
10 28	2 33.44	+ 4 51.5	1.391	2.375	4.2	20.4
11 7	2 22.40	+ 4 11.6	1.418	2.392	5.6	20.5
11 17	2 12.47	+ 3 46.9	1.472	2.408	9.7	20.8
11 27	2 4.71	+ 3 40.7	1.552	2.424	13.7	21.1
12 7	1 59.72	+ 3 53.1	1.652	2.438	17.0	21.3

103812 2000 DK_{19} 11 1.7 95°.48 7°.8/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.73	+37 16.8	1.977	2.721	16.6	19.5
10 8	2 52.67	+38 0.2	1.906	2.733	14.1	19.4
10 18	2 43.94	+38 21.1	1.854	2.744	11.4	19.2
10 28	2 33.41	+38 15.7	1.826	2.755	9.0	19.1
11 7	2 22.36	+37 43.9	1.824	2.766	7.8	19.1
11 17	2 12.13	+36 49.6	1.848	2.777	8.5	19.1
11 27	2 3.92	+35 40.4	1.898	2.788	10.7	19.3
12 7	1 58.47	+34 25.7	1.973	2.798	13.1	19.5

444579 2006 TN_{97} 11 1.7 317°.71 1°.8/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.31	+18 53.2	1.688	2.526	15.3	21.2
10 8	2 49.55	+19 14.8	1.599	2.509	11.8	20.9
10 18	2 42.18	+19 26.0	1.531	2.492	7.7	20.7
10 28	2 32.91	+19 26.5	1.489	2.476	3.4	20.4
11 7	2 22.84	+19 18.0	1.474	2.460	2.8	20.3
11 17	2 13.26	+19 4.1	1.486	2.445	7.2	20.5
11 27	2 5.43	+18 50.2	1.524	2.430	11.6	20.8
12 7	2 0.21	+18 41.5	1.584	2.416	15.5	21.0

211793 2004 CN_{69} 11 1.7 23°.63 4°.1/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.77	+ 5 38.5	1.717	2.577	14.1	19.8
10 8	2 47.88	+ 4 58.0	1.655	2.579	10.5	19.6
10 18	2 40.82	+ 4 16.1	1.616	2.582	6.8	19.4
10 28	2 32.37	+ 3 38.5	1.602	2.585	4.2	19.3
11 7	2 23.56	+ 3 10.4	1.616	2.588	5.5	19.4
11 17	2 15.46	+ 2 56.3	1.657	2.591	9.0	19.6
11 27	2 9.02	+ 2 58.8	1.723	2.594	12.6	19.8
12 7	2 4.85	+ 3 18.3	1.811	2.598	15.7	20.0

365348 2009 SR_{274} 11 1.7 36°.72 3°.3/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.15	+ 8 3.5	2.134	2.988	11.9	20.9
10 8	2 44.82	+ 6 55.1	2.067	2.990	8.8	20.8
10 18	2 38.79	+ 5 42.5	2.025	2.991	5.6	20.6
10 28	2 31.69	+ 4 31.1	2.010	2.993	3.3	20.4
11 7	2 24.32	+ 3 26.8	2.025	2.995	4.7	20.5
11 17	2 17.48	+ 2 34.7	2.067	2.997	7.7	20.7
11 27	2 11.94	+ 1 58.6	2.136	2.999	10.9	20.9
12 7	2 8.21	+ 1 40.0	2.228	3.001	13.6	21.1

294641 2008 AQ_{55} 11 1.7 69°.52 2°.1/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.05	+22 31.8	1.913	2.735	14.4	20.7
10 8	2 48.10	+22 20.5	1.838	2.737	11.1	20.5
10 18	2 40.98	+21 54.5	1.785	2.740	7.4	20.3
10 28	2 32.44	+21 14.9	1.758	2.742	3.5	20.1
11 7	2 23.48	+20 25.4	1.759	2.745	2.7	20.0
11 17	2 15.18	+19 31.2	1.788	2.747	6.3	20.2
11 27	2 8.51	+18 38.8	1.845	2.750	10.0	20.5
12 7	2 4.10	+17 53.9	1.926	2.752	13.4	20.7

125384 2001 VQ_{80} 11 1.7 65°.38 2°.7/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 58.00	+22 21.3	1.428	2.261	17.8	19.6
10 8	2 52.18	+22 24.2	1.377	2.282	13.7	19.4
10 18	2 43.57	+22 9.7	1.346	2.303	9.0	19.2
10 28	2 33.26	+21 38.6	1.340	2.325	4.3	19.0
11 7	2 22.66	+20 55.4	1.361	2.347	3.3	18.9
11 17	2 13.19	+20 6.6	1.408	2.368	7.4	19.3
11 27	2 6.02	+19 20.3	1.481	2.390	11.7	19.6
12 7	2 1.77	+18 43.0	1.576	2.411	15.4	19.8

394480 2007 TF_{49} 11 1.7 22°.14 1°.4/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.53	+17 11.9	1.503	2.360	15.9	19.7
10 8	2 45.76	+15 41.8	1.440	2.364	11.8	19.5
10 18	2 39.62	+13 55.2	1.399	2.369	7.1	19.2
10 28	2 31.99	+11 59.0	1.384	2.375	2.3	18.9
11 7	2 24.04	+10 3.3	1.396	2.381	3.6	19.1
11 17	2 16.92	+ 8 18.4	1.436	2.387	8.4	19.4
11 27	2 11.65	+ 6 52.9	1.502	2.394	12.7	19.6
12 7	2 8.81	+ 5 51.3	1.589	2.401	16.4	19.9

216943 1999 TZ_{60} 11 1.7 64°.02 2°.1/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.71	+21 54.4	1.972	2.793	14.1	20.6
10 8	2 48.41	+21 52.1	1.910	2.809	10.8	20.4
10 18	2 41.07	+21 36.8	1.870	2.825	7.1	20.2
10 28	2 32.45	+21 9.4	1.856	2.841	3.4	20.0
11 7	2 23.55	+20 33.1	1.871	2.857	2.6	20.0
11 17	2 15.37	+19 52.6	1.915	2.873	6.0	20.3
11 27	2 8.81	+19 13.3	1.986	2.890	9.5	20.5
12 7	2 4.43	+18 40.4	2.081	2.906	12.6	20.8

496428 2014 GC_{50} 11 1.7 134°.42 21°.5/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 0.92	−28 22.4	1.133	1.941	23.1	20.6
10 8	2 54.91	−30 49.3	1.117	1.944	21.9	20.5
10 18	2 45.44	−32 35.3	1.116	1.947	21.5	20.5
10 28	2 33.87	−33 25.8	1.132	1.951	21.8	20.6
11 7	2 22.07	−33 15.0	1.162	1.954	22.8	20.7
11 17	2 11.83	−32 5.1	1.208	1.956	24.3	20.8
11 27	2 4.48	−30 4.9	1.266	1.959	25.8	20.9
12 7	2 0.66	−27 27.2	1.335	1.961	27.2	21.1

236568 2006 HQ_{86} 11 1.7 120°.40 1°.8/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.98	+11 51.1	1.888	2.734	13.6	20.8
10 8	2 48.60	+11 10.8	1.824	2.744	10.0	20.6
10 18	2 41.18	+10 23.8	1.785	2.753	6.1	20.4
10 28	2 32.49	+ 9 34.3	1.772	2.761	2.4	20.2
11 7	2 23.51	+ 8 47.6	1.788	2.770	3.5	20.3
11 17	2 15.24	+ 8 8.6	1.832	2.778	7.4	20.6
11 27	2 8.56	+ 7 41.7	1.903	2.786	11.0	20.8
12 7	2 4.05	+ 7 29.3	1.997	2.793	14.1	21.0

500793 2013 FC 11 1.7 246°.81 6°.3/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 10.40	+22 40.5	1.250	2.071	20.5	20.7
10 8	3 2.98	+24 29.8	1.172	2.066	16.5	20.4
10 18	2 51.24	+26 9.0	1.115	2.061	11.8	20.1
10 28	2 36.08	+27 29.8	1.082	2.056	7.5	19.9
11 7	2 19.33	+28 26.0	1.075	2.051	6.7	19.8
11 17	2 3.33	+28 56.8	1.095	2.045	10.5	20.0
11 27	1 50.30	+29 8.7	1.140	2.040	15.2	20.3
12 7	1 41.59	+29 12.1	1.205	2.034	19.6	20.5

481665 2007 VX_{300} 11 1.7 6°.55 13°.2/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.09	−10 51.4	1.026	1.907	19.7	19.2
10 8	2 46.85	−11 51.1	0.991	1.908	16.6	19.1
10 18	2 40.55	−12 28.8	0.973	1.911	14.1	18.9
10 28	2 32.33	−12 33.3	0.975	1.917	13.3	18.9
11 7	2 23.77	−11 58.4	0.997	1.925	14.4	19.0
11 17	2 16.38	−10 44.4	1.038	1.935	17.0	19.2
11 27	2 11.41	− 8 56.9	1.099	1.947	19.9	19.4
12 7	2 9.49	− 6 44.9	1.177	1.961	22.6	19.7

166390 2002 NE_9 11 1.7 144°.36 6°.6/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.91	+35 34.2	2.037	2.791	15.9	20.1
10 8	2 51.18	+35 52.7	1.958	2.797	13.3	20.0
10 18	2 42.98	+35 49.3	1.899	2.802	10.5	19.8
10 28	2 33.13	+35 21.3	1.864	2.806	7.9	19.7
11 7	2 22.80	+34 29.6	1.856	2.811	6.6	19.6
11 17	2 13.24	+33 18.9	1.875	2.815	7.7	19.7
11 27	2 5.53	+31 57.1	1.922	2.819	10.1	19.8
12 7	2 0.39	+30 33.2	1.993	2.823	12.9	20.0

81709 2000 JY_{23} 11 1.7 153°.17 3°.2/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.86	+25 51.0	2.375	3.167	12.9	20.0
10 8	2 49.88	+25 59.8	2.296	3.174	10.2	19.9
10 18	2 41.96	+25 55.2	2.241	3.180	7.1	19.7
10 28	2 32.79	+25 36.7	2.212	3.187	4.2	19.5
11 7	2 23.25	+25 6.1	2.213	3.192	3.3	19.5
11 17	2 14.28	+24 27.0	2.244	3.198	5.6	19.6
11 27	2 6.73	+23 44.6	2.303	3.202	8.6	19.8
12 7	2 1.20	+23 4.1	2.388	3.207	11.4	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
452119 2014 RU_{34}			11 1.7 132°.87	1°.6/31.3 18		
	h m	° ′			°	m
9 28	2 52.04	+10 34.5	2.500	3.339	10.9	21.6
10 8	2 46.74	+10 8.3	2.432	3.347	8.1	21.4
10 18	2 39.89	+ 9 38.1	2.390	3.356	4.9	21.2
10 28	2 32.08	+ 9 6.9	2.376	3.364	2.0	21.1
11 7	2 24.05	+ 8 38.0	2.392	3.373	2.9	21.1
11 17	2 16.52	+ 8 14.8	2.438	3.380	6.0	21.3
11 27	2 10.17	+ 8 0.1	2.511	3.388	8.9	21.6
12 7	2 5.49	+ 7 55.6	2.610	3.395	11.5	21.7
130243 2000 CA_{75}			11 1.7 148°.77	15°.8/13.8 18		
9 28	3 6.93	+49 13.1	1.310	2.015	25.3	19.7
10 8	3 1.22	+50 39.9	1.244	2.019	22.9	19.5
10 18	2 50.42	+51 28.7	1.191	2.023	20.3	19.3
10 28	2 35.80	+51 27.2	1.153	2.026	17.9	19.2
11 7	2 19.89	+50 28.9	1.135	2.029	16.2	19.1
11 17	2 5.64	+48 37.6	1.137	2.032	15.9	19.1
11 27	1 55.45	+46 8.4	1.160	2.034	17.1	19.2
12 7	1 50.38	+43 22.0	1.204	2.036	19.4	19.3
181001 2005 ND_{40}			11 1.7 341°.42	1°.7/ 3.0 18		
9 28	2 52.30	+21 12.2	1.815	2.645	14.7	20.3
10 8	2 47.71	+21 0.4	1.737	2.642	11.3	20.1
10 18	2 40.85	+20 34.5	1.681	2.640	7.4	19.9
10 28	2 32.47	+19 55.6	1.651	2.638	3.3	19.6
11 7	2 23.61	+19 7.5	1.649	2.636	2.5	19.6
11 17	2 15.39	+18 15.8	1.674	2.634	6.5	19.8
11 27	2 8.83	+17 27.0	1.727	2.632	10.5	20.1
12 7	2 4.60	+16 46.8	1.802	2.631	14.0	20.3
305690 2009 BB_{130}			11 1.7 83°.52	0°.7/ 1.2 18		
9 28	2 55.62	+14 6.9	1.922	2.761	13.7	20.7
10 8	2 49.69	+13 47.2	1.869	2.783	10.1	20.5
10 18	2 41.79	+13 20.1	1.839	2.805	6.1	20.3
10 28	2 32.70	+12 48.6	1.837	2.827	2.0	20.1
11 7	2 23.43	+12 16.7	1.863	2.849	2.6	20.2
11 17	2 14.96	+11 48.7	1.919	2.870	6.6	20.5
11 27	2 8.13	+11 28.6	2.002	2.892	10.2	20.8
12 7	2 3.48	+11 19.2	2.108	2.912	13.2	21.0
491753 2012 VT_{75}			11 1.7 35°.67	0°.3/ 1.9 18		
9 28	2 51.62	+19 39.4	1.212	2.072	18.6	20.2
10 8	2 47.65	+18 46.8	1.168	2.092	14.0	19.9
10 18	2 40.87	+17 35.8	1.144	2.113	8.6	19.7
10 28	2 32.43	+16 12.0	1.144	2.134	2.9	19.4
11 7	2 23.78	+14 44.7	1.169	2.157	2.9	19.5
11 17	2 16.31	+13 23.9	1.220	2.180	8.3	19.9
11 27	2 11.13	+12 18.2	1.295	2.204	13.0	20.2
12 7	2 8.79	+11 32.8	1.390	2.229	16.9	20.6
128601 2004 QS_{12}			11 1.7 53°.86	4°.5/29.4 18		
9 28	2 52.96	+ 2 16.6	2.048	2.899	12.4	19.5
10 8	2 47.71	+ 1 43.5	1.984	2.902	9.4	19.3
10 18	2 40.62	+ 1 12.2	1.945	2.905	6.4	19.2
10 28	2 32.35	+ 0 47.6	1.933	2.908	4.6	19.0
11 7	2 23.79	+ 0 33.8	1.949	2.912	5.7	19.1
11 17	2 15.83	+ 0 33.7	1.993	2.915	8.5	19.3
11 27	2 9.28	+ 0 49.0	2.063	2.918	11.5	19.5
12 7	2 4.70	+ 1 19.3	2.155	2.922	14.2	19.7
149241 2002 RA_{211}			11 1.7 346°.16	3°.6/ 4.1 18		
9 28	2 53.83	+24 56.4	1.394	2.227	18.2	19.3
10 8	2 49.54	+24 52.0	1.321	2.224	14.3	19.0
10 18	2 42.29	+24 26.3	1.268	2.221	9.8	18.8
10 28	2 33.00	+23 39.2	1.238	2.219	5.3	18.5
11 7	2 23.05	+22 34.9	1.233	2.218	3.9	18.4
11 17	2 13.96	+21 21.2	1.254	2.216	7.9	18.7
11 27	2 7.10	+20 8.3	1.301	2.215	12.5	18.9
12 7	2 3.26	+19 5.3	1.368	2.214	16.7	19.2
440394 2005 JN_{32}			11 1.7 99°.23	0°.1/ 1.6 18		
9 28	2 53.85	+16 28.7	2.002	2.836	13.4	21.9
10 8	2 48.41	+15 58.6	1.940	2.852	10.0	21.8
10 18	2 41.03	+15 19.0	1.902	2.867	6.1	21.6
10 28	2 32.47	+14 32.6	1.892	2.882	2.0	21.3
11 7	2 23.68	+13 44.1	1.910	2.897	2.3	21.4
11 17	2 15.60	+12 58.4	1.958	2.911	6.3	21.7
11 27	2 9.07	+12 20.5	2.033	2.925	9.9	21.9
12 7	2 4.62	+11 53.7	2.132	2.939	12.9	22.1
347195 2011 HW_{6}			11 1.7 229°.08	14°.5/28.4 17		
9 28	3 9.83	−16 23.7	1.209	2.036	20.8	20.5
10 8	3 1.58	−17 4.3	1.155	2.032	17.9	20.3
10 18	2 49.68	−17 18.7	1.119	2.028	15.6	20.1
10 28	2 35.37	−16 54.8	1.104	2.023	14.5	20.1
11 7	2 20.51	−15 46.3	1.113	2.018	15.4	20.1
11 17	2 7.01	−13 54.8	1.144	2.013	17.9	20.2
11 27	1 56.44	−11 28.6	1.197	2.008	20.9	20.4
12 7	1 49.63	− 8 39.0	1.268	2.002	23.8	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
515543 2014 GL_{53}			11 1.7 209°.34	1°.0/31.8 18		
	h m	° ′			°	m
9 28	2 52.86	+15 33.0	2.198	3.032	12.4	22.3
10 8	2 47.68	+14 32.4	2.113	3.026	9.2	22.0
10 18	2 40.63	+13 21.2	2.054	3.020	5.6	21.8
10 28	2 32.38	+12 3.2	2.022	3.013	1.8	21.5
11 7	2 23.77	+10 44.0	2.021	3.005	2.7	21.6
11 17	2 15.68	+ 9 29.7	2.050	2.997	6.6	21.8
11 27	2 8.95	+ 8 26.1	2.107	2.988	10.1	22.0
12 7	2 4.15	+ 7 37.2	2.188	2.979	13.2	22.2
109482 2001 QT_{222}			11 1.7 145°.44	0°.0/ 1.6 18		
9 28	2 52.92	+17 15.0	2.280	3.108	12.2	20.3
10 8	2 47.57	+16 36.6	2.208	3.116	9.1	20.1
10 18	2 40.48	+15 48.3	2.161	3.125	5.6	19.9
10 28	2 32.31	+14 53.1	2.142	3.132	1.8	19.7
11 7	2 23.88	+13 55.2	2.153	3.139	2.1	19.7
11 17	2 16.04	+12 59.5	2.194	3.146	5.8	20.0
11 27	2 9.54	+12 11.0	2.263	3.153	9.2	20.2
12 7	2 4.91	+11 33.3	2.357	3.158	12.0	20.4
160019 1994 FE			11 1.7 175°.56	7°.8/25.7 18		
9 28	2 52.68	− 4 37.4	1.990	2.839	12.9	20.1
10 8	2 47.55	− 6 15.6	1.935	2.840	10.3	20.0
10 18	2 40.54	− 7 47.9	1.905	2.842	8.3	19.8
10 28	2 32.34	− 9 6.1	1.901	2.843	7.8	19.8
11 7	2 23.86	−10 3.5	1.925	2.844	9.1	19.9
11 17	2 16.00	−10 36.0	1.975	2.844	11.4	20.0
11 27	2 9.60	−10 42.3	2.048	2.843	13.9	20.2
12 7	2 5.19	−10 24.3	2.140	2.843	16.1	20.4
159365 6752 P–L			11 1.7 343°.25	1°.1/31.9 18		
9 28	2 50.21	+13 6.4	1.736	2.591	14.1	19.5
10 8	2 46.19	+12 48.0	1.659	2.582	10.6	19.2
10 18	2 39.95	+12 22.1	1.604	2.574	6.5	19.0
10 28	2 32.21	+11 51.6	1.575	2.566	2.2	18.7
11 7	2 23.96	+11 21.2	1.574	2.559	3.0	18.7
11 17	2 16.28	+10 55.7	1.599	2.553	7.4	19.0
11 27	2 10.18	+10 39.6	1.650	2.547	11.5	19.2
12 7	2 6.36	+10 36.1	1.724	2.543	15.0	19.4
225420 2000 AU_{82}			11 1.7 330°.86	11°.4/23.0 18		
9 28	2 51.83	−17 16.7	1.960	2.783	14.1	19.2
10 8	2 47.05	−18 32.2	1.910	2.774	12.5	19.1
10 18	2 40.29	−19 31.0	1.881	2.766	11.5	19.0
10 28	2 32.27	−20 5.0	1.876	2.759	11.5	19.0
11 7	2 23.94	−20 9.1	1.894	2.751	12.5	19.0
11 17	2 16.25	−19 41.8	1.934	2.745	14.1	19.1
11 27	2 10.06	−18 44.5	1.995	2.738	16.0	19.3
12 7	2 5.94	−17 21.9	2.073	2.732	17.7	19.4
68794 2002 GZ_{6}			11 1.7 264°.57	11°.0/23.1 18		
9 28	2 52.45	−11 53.9	1.768	2.611	14.5	18.9
10 8	2 47.70	−13 42.0	1.714	2.602	12.5	18.8
10 18	2 40.79	−15 17.6	1.683	2.593	11.1	18.7
10 28	2 32.46	−16 30.7	1.676	2.584	11.1	18.7
11 7	2 23.73	−17 13.9	1.694	2.575	12.4	18.7
11 17	2 15.65	−17 23.5	1.734	2.566	14.5	18.9
11 27	2 9.19	−17 0.0	1.794	2.557	16.8	19.0
12 7	2 4.98	−16 7.3	1.872	2.548	18.9	19.2
113578 2002 TX_{41}			11 1.7 86°.96	0°.7/ 1.2 18		
9 28	2 54.14	+14 4.7	1.860	2.703	13.9	20.0
10 8	2 48.85	+13 46.5	1.792	2.709	10.4	19.8
10 18	2 41.44	+13 20.5	1.748	2.715	6.3	19.6
10 28	2 32.66	+12 49.5	1.730	2.721	2.0	19.3
11 7	2 23.53	+12 17.6	1.741	2.727	2.7	19.4
11 17	2 15.07	+11 49.4	1.780	2.733	6.9	19.6
11 27	2 8.23	+11 29.3	1.846	2.739	10.7	19.9
12 7	2 3.63	+11 20.4	1.935	2.745	14.0	20.1
224972 2007 ES_{53}			11 1.7 221°.78	2°.1/ 3.4 17		
9 28	2 54.94	+21 38.5	2.476	3.283	12.0	20.3
10 8	2 49.20	+21 55.6	2.387	3.277	9.3	20.1
10 18	2 41.60	+22 3.0	2.322	3.272	6.2	19.9
10 28	2 32.73	+22 0.4	2.284	3.267	3.2	19.7
11 7	2 23.40	+21 49.2	2.277	3.261	2.5	19.6
11 17	2 14.50	+21 32.1	2.299	3.255	5.3	19.8
11 27	2 6.85	+21 12.8	2.351	3.248	8.5	20.0
12 7	2 1.08	+20 55.6	2.427	3.242	11.3	20.2
150221 1998 SX_{162}			11 1.7 24°.03	0°.7/ 2.1 18		
9 28	2 53.04	+17 23.2	1.056	1.928	19.9	19.2
10 8	2 49.23	+17 17.6	1.008	1.938	15.0	19.0
10 18	2 42.14	+16 56.3	0.979	1.950	9.4	18.7
10 28	2 32.94	+16 22.6	0.972	1.962	3.3	18.4
11 7	2 23.28	+15 42.7	0.988	1.976	3.1	18.5
11 17	2 14.85	+15 4.5	1.029	1.992	9.0	18.9
11 27	2 9.02	+14 35.9	1.091	2.008	14.2	19.2
12 7	2 6.49	+14 22.0	1.173	2.025	18.5	19.5

121603 1999 VV_{136} 11 1.7 101°.04 0°.6/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 52.92	+14 24.0	2.375	3.207	11.6	20.2
10 8	2 47.44	+14 1.3	2.314	3.225	8.6	20.1
10 18	2 40.34	+13 32.1	2.278	3.243	5.2	19.9
10 28	2 32.27	+12 58.8	2.269	3.260	1.7	19.7
11 7	2 24.00	+12 25.0	2.291	3.277	2.2	19.7
11 17	2 16.33	+11 54.2	2.343	3.294	5.6	20.0
11 27	2 9.95	+11 30.1	2.423	3.310	8.8	20.2
12 7	2 5.35	+11 15.1	2.528	3.326	11.4	20.4

132839 2002 RN_{30} 11 1.7 143°.18 0°.6/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.84	+14 55.6	2.755	3.585	10.2	20.6
10 8	2 45.03	+14 15.1	2.682	3.592	7.6	20.5
10 18	2 38.83	+13 27.8	2.635	3.600	4.6	20.3
10 28	2 31.78	+12 36.4	2.616	3.607	1.5	20.1
11 7	2 24.53	+11 44.6	2.628	3.613	2.0	20.1
11 17	2 17.73	+10 56.2	2.671	3.620	5.1	20.4
11 27	2 11.98	+10 14.9	2.742	3.626	8.0	20.6
12 7	2 7.73	+ 9 43.4	2.839	3.631	10.5	20.7

12786 1995 SU 11 1.7 166°.69 3°.3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.89	+24 26.8	1.687	2.503	16.3	18.6
10 8	2 52.11	+24 29.7	1.612	2.505	12.8	18.4
10 18	2 43.67	+24 15.3	1.558	2.508	8.8	18.2
10 28	2 33.45	+23 43.2	1.530	2.510	4.7	17.9
11 7	2 22.69	+22 56.4	1.528	2.512	3.6	17.9
11 17	2 12.71	+22 0.7	1.555	2.513	7.1	18.1
11 27	2 4.72	+21 4.0	1.608	2.514	11.2	18.3
12 7	1 59.47	+20 13.7	1.685	2.514	14.8	18.6

178050 2006 RB_{105} 11 1.7 72°.90 2°.7/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 0.02	+22 3.7	1.342	2.176	18.7	20.7
10 8	2 53.86	+22 9.5	1.292	2.198	14.3	20.5
10 18	2 44.72	+21 57.4	1.263	2.220	9.4	20.3
10 28	2 33.74	+21 28.1	1.258	2.242	4.5	20.0
11 7	2 22.47	+20 45.9	1.278	2.264	3.4	20.0
11 17	2 12.44	+19 58.1	1.326	2.286	7.8	20.4
11 27	2 4.88	+19 12.8	1.399	2.308	12.3	20.7
12 7	2 0.45	+18 37.1	1.493	2.329	16.1	21.0

130993 2000 WZ_{159} 11 1.7 272°.31 4°.4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.75	+ 4 55.2	1.773	2.628	13.9	19.9
10 8	2 49.57	+ 4 16.1	1.691	2.612	10.6	19.7
10 18	2 42.06	+ 3 35.6	1.632	2.596	7.0	19.5
10 28	2 32.94	+ 2 59.0	1.599	2.580	4.4	19.3
11 7	2 23.23	+ 2 31.9	1.594	2.564	5.8	19.3
11 17	2 14.05	+ 2 19.1	1.616	2.547	9.4	19.5
11 27	2 6.46	+ 2 23.6	1.664	2.531	13.2	19.7
12 7	2 1.22	+ 2 46.2	1.733	2.514	16.5	19.9

85758 1998 SK_{160} 11 1.7 125°.19 2°.2/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.88	+10 16.8	1.654	2.503	15.0	19.5
10 8	2 51.79	+ 9 53.1	1.593	2.512	11.2	19.3
10 18	2 43.30	+ 9 24.2	1.554	2.522	6.9	19.1
10 28	2 33.29	+ 8 54.1	1.542	2.531	2.8	18.8
11 7	2 22.92	+ 8 27.8	1.558	2.539	3.9	18.9
11 17	2 13.40	+ 8 9.6	1.601	2.547	8.2	19.2
11 27	2 5.76	+ 8 3.6	1.671	2.555	12.2	19.5
12 7	2 0.65	+ 8 11.3	1.763	2.563	15.6	19.7

407009 2009 RZ_{75} 11 1.7 29°.41 0°.0/ 1.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.54	+16 6.7	1.645	2.496	15.0	21.2
10 8	2 47.09	+15 49.9	1.590	2.510	11.2	21.0
10 18	2 40.41	+15 22.8	1.557	2.524	6.9	20.8
10 28	2 32.35	+14 48.6	1.549	2.539	2.2	20.5
11 7	2 23.99	+14 11.9	1.568	2.555	2.5	20.6
11 17	2 16.44	+13 37.8	1.615	2.572	7.0	20.9
11 27	2 10.64	+13 11.6	1.687	2.589	11.0	21.2
12 7	2 7.19	+12 56.8	1.782	2.607	14.3	21.4

226848 2004 SB_{46} 11 1.7 12°.06 0°.9/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.05	+18 14.1	1.466	2.321	16.3	20.2
10 8	2 46.35	+18 7.9	1.406	2.326	12.3	20.0
10 18	2 40.14	+17 48.5	1.366	2.333	7.8	19.8
10 28	2 32.30	+17 18.3	1.351	2.340	2.9	19.5
11 7	2 24.03	+16 41.9	1.362	2.349	2.5	19.5
11 17	2 16.58	+16 5.1	1.398	2.359	7.3	19.8
11 27	2 11.04	+15 34.4	1.460	2.371	11.7	20.1
12 7	2 8.06	+15 14.4	1.543	2.383	15.4	20.4

108045 2001 FX_{155} 11 1.7 240°.36 4°.0/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.21	+27 57.1	1.940	2.739	15.1	19.6
10 8	2 49.18	+27 52.9	1.854	2.734	12.1	19.4
10 18	2 41.82	+27 30.1	1.790	2.729	8.7	19.1
10 28	2 32.86	+26 48.2	1.751	2.723	5.3	18.9
11 7	2 23.38	+25 49.6	1.739	2.718	4.1	18.8
11 17	2 14.53	+24 39.8	1.756	2.712	6.6	19.0
11 27	2 7.36	+23 26.5	1.800	2.706	10.1	19.2
12 7	2 2.60	+22 17.6	1.868	2.700	13.5	19.4

133542 2003 TS_{14} 11 1.8 53°.75 4°.0/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 54.67	+ 6 35.0	1.525	2.388	15.4	19.5
10 8	2 49.43	+ 5 55.8	1.476	2.402	11.4	19.3
10 18	2 41.85	+ 5 15.0	1.449	2.416	7.3	19.1
10 28	2 32.82	+ 4 38.2	1.447	2.431	4.1	18.9
11 7	2 23.54	+ 4 11.2	1.472	2.446	5.5	19.0
11 17	2 15.18	+ 3 58.4	1.524	2.462	9.3	19.3
11 27	2 8.72	+ 4 2.4	1.600	2.477	13.0	19.6
12 7	2 4.75	+ 4 23.2	1.697	2.493	16.2	19.8

162270 1999 VU_{7} 11 1.8 328°.91 1°.8/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.32	+11 48.1	1.441	2.305	16.0	19.3
10 8	2 48.26	+11 29.5	1.364	2.292	12.0	19.0
10 18	2 41.50	+11 3.2	1.308	2.279	7.4	18.7
10 28	2 32.82	+10 33.1	1.276	2.266	2.7	18.4
11 7	2 23.44	+10 4.6	1.270	2.254	3.9	18.4
11 17	2 14.70	+ 9 43.3	1.290	2.243	8.8	18.7
11 27	2 7.87	+ 9 34.5	1.334	2.233	13.5	19.0
12 7	2 3.79	+ 9 41.3	1.399	2.224	17.6	19.2

142002 2002 PM_{160} 11 1.8 63°.73 1°.4/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.62	+13 10.7	1.337	2.197	17.3	20.9
10 8	2 51.32	+12 45.9	1.282	2.207	12.9	20.6
10 18	2 43.22	+12 11.8	1.248	2.218	7.9	20.4
10 28	2 33.31	+11 32.7	1.238	2.228	2.6	20.1
11 7	2 23.01	+10 54.6	1.254	2.239	3.7	20.2
11 17	2 13.74	+10 24.0	1.296	2.250	8.8	20.5
11 27	2 6.70	+10 6.1	1.363	2.261	13.4	20.8
12 7	2 2.58	+10 4.0	1.451	2.272	17.2	21.1

381794 2009 UO_{20} 11 1.8 29°.82 4°.0/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.59	+25 23.7	1.198	2.041	20.0	19.4
10 8	2 49.57	+25 22.7	1.143	2.050	15.7	19.2
10 18	2 42.36	+24 57.8	1.106	2.061	10.8	19.0
10 28	2 33.07	+24 9.5	1.090	2.072	5.9	18.7
11 7	2 23.28	+23 3.0	1.099	2.084	4.3	18.7
11 17	2 14.65	+21 47.6	1.133	2.097	8.3	19.0
11 27	2 8.52	+20 34.4	1.191	2.110	13.0	19.3
12 7	2 5.62	+19 32.8	1.270	2.124	17.2	19.6

487433 2014 RE_{15} 11 1.8 98°.72 3°.1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.12	+26 40.3	2.272	3.070	13.2	20.9
10 8	2 47.19	+26 30.6	2.194	3.075	10.4	20.7
10 18	2 40.38	+26 5.5	2.139	3.080	7.3	20.5
10 28	2 32.36	+25 25.6	2.110	3.085	4.3	20.3
11 7	2 24.01	+24 33.5	2.109	3.090	3.2	20.3
11 17	2 16.24	+23 33.8	2.138	3.095	5.6	20.5
11 27	2 9.88	+22 32.5	2.195	3.100	8.7	20.7
12 7	2 5.50	+21 35.5	2.278	3.105	11.6	20.9

263837 2008 TJ_{130} 11 1.8 315°.33 0°.9/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.64	+20 37.5	4.069	4.878	7.6	21.0
10 8	2 40.92	+20 24.6	3.978	4.872	5.8	20.9
10 18	2 36.26	+20 5.2	3.912	4.866	3.8	20.8
10 28	2 30.98	+19 40.4	3.875	4.860	1.7	20.6
11 7	2 25.52	+19 11.8	3.868	4.854	1.3	20.5
11 17	2 20.28	+18 41.3	3.892	4.849	3.3	20.7
11 27	2 15.71	+18 11.5	3.946	4.843	5.4	20.8
12 7	2 12.12	+17 44.7	4.027	4.838	7.3	21.0

42022 2000 YS_{81} 11 1.8 37°.22 9°.4/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.91	− 7 13.4	1.513	2.367	15.9	18.3
10 8	2 50.41	− 8 9.3	1.466	2.373	12.9	18.2
10 18	2 42.48	− 8 53.0	1.440	2.379	10.4	18.0
10 28	2 33.05	− 9 16.3	1.439	2.385	9.4	18.0
11 7	2 23.34	− 9 13.5	1.463	2.392	10.6	18.1
11 17	2 14.54	− 8 42.8	1.510	2.399	13.1	18.3
11 27	2 7.70	− 7 45.7	1.580	2.406	15.9	18.5
12 7	2 3.42	− 6 26.9	1.669	2.414	18.5	18.7

54165 2000 HO_{54} 11 1.8 244°.16 1°.0/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.78	+14 35.9	1.738	2.582	14.6	19.9
10 8	2 49.68	+13 59.5	1.655	2.572	11.0	19.6
10 18	2 42.18	+13 12.5	1.594	2.562	6.8	19.4
10 28	2 33.02	+12 18.3	1.561	2.551	2.2	19.1
11 7	2 23.30	+11 22.5	1.555	2.540	3.1	19.1
11 17	2 14.17	+10 31.5	1.577	2.529	7.7	19.4
11 27	2 6.75	+ 9 51.3	1.626	2.517	12.0	19.6
12 7	2 1.75	+ 9 26.1	1.696	2.505	15.7	19.8

106679 2000 WV_{152} 11 1.8 27°.02 5°.2/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.26	+23 10.3	0.956	1.816	22.5	18.7
10 8	2 52.95	+24 7.6	0.911	1.828	17.7	18.4
10 18	2 44.74	+24 43.4	0.883	1.841	12.2	18.2
10 28	2 33.90	+24 54.7	0.875	1.856	7.0	18.0
11 7	2 22.44	+24 43.2	0.889	1.872	5.5	18.0
11 17	2 12.41	+24 15.7	0.926	1.889	9.7	18.2
11 27	2 5.52	+23 42.9	0.985	1.908	14.6	18.6
12 7	2 2.56	+23 14.6	1.063	1.927	19.0	18.9

46183 2001 FH_{119} 11 1.8 192°.06 6°.1/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 57.00	+34 1.0	2.140	2.899	15.1	19.3
10 8	2 51.24	+34 22.9	2.054	2.898	12.6	19.1
10 18	2 43.10	+34 24.9	1.989	2.897	9.8	18.9
10 28	2 33.32	+34 4.7	1.948	2.895	7.3	18.8
11 7	2 22.99	+33 22.8	1.934	2.893	6.1	18.7
11 17	2 13.29	+32 23.1	1.949	2.890	7.3	18.8
11 27	2 5.31	+31 12.5	1.991	2.888	9.8	18.9
12 7	1 59.77	+29 59.4	2.058	2.885	12.6	19.1

361293 2006 TV_{52} 11 1.8 314°.72 0°.9/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.36	+13 55.0	1.898	2.744	13.5	21.1
10 8	2 47.61	+13 29.0	1.822	2.740	10.1	20.8
10 18	2 40.76	+12 54.8	1.769	2.737	6.2	20.6
10 28	2 32.53	+12 15.5	1.743	2.734	2.0	20.3
11 7	2 23.87	+11 35.7	1.746	2.731	2.8	20.4
11 17	2 15.79	+11 0.2	1.776	2.728	7.0	20.6
11 27	2 9.24	+10 33.8	1.833	2.725	10.8	20.9
12 7	2 4.84	+10 19.7	1.913	2.723	14.1	21.1

192222 2007 RZ_{281} 11 1.8 29°.78 3°.5/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 45.19	− 3 2.5	4.138	4.975	7.0	19.0
10 8	2 41.21	− 3 27.5	4.074	4.978	5.4	18.9
10 18	2 36.37	− 3 49.2	4.037	4.980	4.1	18.8
10 28	2 31.02	− 4 5.3	4.028	4.983	3.5	18.8
11 7	2 25.54	− 4 13.7	4.049	4.986	4.1	18.8
11 17	2 20.31	− 4 13.1	4.100	4.989	5.5	18.9
11 27	2 15.71	− 4 2.8	4.177	4.992	7.0	19.0
12 7	2 12.03	− 3 42.7	4.278	4.995	8.4	19.1

387783 2003 UY_{249} 11 1.8 52°.32 1°.9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.86	+20 5.6	1.570	2.407	16.3	20.8
10 8	2 50.55	+20 11.0	1.510	2.418	12.5	20.6
10 18	2 42.68	+20 2.7	1.470	2.431	8.1	20.3
10 28	2 33.16	+19 41.6	1.456	2.443	3.5	20.1
11 7	2 23.23	+19 11.2	1.469	2.455	2.7	20.1
11 17	2 14.19	+18 36.8	1.509	2.468	7.1	20.4
11 27	2 7.14	+18 4.9	1.574	2.481	11.3	20.7
12 7	2 2.77	+17 41.0	1.663	2.495	14.9	20.9

508855 2002 JS_{125} 11 1.8 81°.35 0°.4/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.29	+18 54.5	1.799	2.629	14.8	21.7
10 8	2 50.29	+18 15.7	1.750	2.659	11.1	21.5
10 18	2 42.21	+17 24.3	1.725	2.687	6.9	21.3
10 28	2 32.93	+16 24.0	1.726	2.715	2.4	21.1
11 7	2 23.54	+15 20.1	1.756	2.743	2.2	21.2
11 17	2 15.10	+14 19.0	1.815	2.771	6.5	21.5
11 27	2 8.46	+13 26.6	1.902	2.798	10.3	21.8
12 7	2 4.12	+12 47.0	2.012	2.824	13.4	22.0

24170 1999 WB_{13} 11 1.8 172°.90 4°.1/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.38	+ 7 16.5	1.635	2.492	14.8	18.9
10 8	2 50.01	+ 6 16.5	1.570	2.494	11.1	18.7
10 18	2 42.28	+ 5 12.4	1.529	2.495	7.1	18.4
10 28	2 33.03	+ 4 10.6	1.513	2.496	4.2	18.3
11 7	2 23.37	+ 3 18.0	1.525	2.497	5.7	18.4
11 17	2 14.48	+ 2 40.7	1.564	2.497	9.5	18.6
11 27	2 7.38	+ 2 22.6	1.628	2.497	13.3	18.8
12 7	2 2.75	+ 2 24.5	1.713	2.497	16.6	19.0

520175 2014 CP_{27} 11 1.8 186°.68 4°.5/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 0.93	+25 25.9	1.849	2.649	15.7	21.0
10 8	2 54.42	+26 15.6	1.769	2.649	12.5	20.8
10 18	2 45.20	+26 51.5	1.710	2.649	9.0	20.6
10 28	2 34.05	+27 10.5	1.677	2.649	5.6	20.4
11 7	2 22.18	+27 12.6	1.672	2.648	4.7	20.3
11 17	2 10.93	+27 0.2	1.696	2.647	7.3	20.5
11 27	2 1.56	+26 39.1	1.746	2.646	10.8	20.7
12 7	1 54.93	+26 16.2	1.821	2.645	14.1	20.9

175014 2004 FG_{9} 11 1.8 203°.90 2°.9/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.36	+ 8 25.5	2.063	2.913	12.5	20.2
10 8	2 47.38	+ 7 42.0	1.991	2.911	9.3	20.0
10 18	2 40.51	+ 6 54.6	1.943	2.909	5.8	19.8
10 28	2 32.43	+ 6 7.7	1.922	2.908	3.0	19.6
11 7	2 24.00	+ 5 26.3	1.930	2.906	4.2	19.7
11 17	2 16.13	+ 4 54.9	1.967	2.903	7.6	19.9
11 27	2 9.64	+ 4 36.9	2.030	2.901	10.9	20.1
12 7	2 5.11	+ 4 34.0	2.116	2.899	13.9	20.3

94134 2000 YT_{117} 11 1.8 308°.99 5°.4/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.69	+31 21.9	2.112	2.891	14.7	20.2
10 8	2 48.79	+31 45.0	2.024	2.884	12.1	20.0
10 18	2 41.61	+31 50.2	1.956	2.877	9.2	19.8
10 28	2 32.85	+31 35.5	1.914	2.871	6.5	19.6
11 7	2 23.51	+31 1.7	1.898	2.864	5.4	19.5
11 17	2 14.71	+30 12.4	1.911	2.858	6.9	19.6
11 27	2 7.49	+29 13.9	1.950	2.852	9.7	19.8
12 7	2 2.58	+28 13.7	2.014	2.846	12.6	19.9

21125 Orff 11 1.8 147°.48 4°.2/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 56.60	+ 5 49.3	1.794	2.645	14.0	18.5
10 8	2 50.65	+ 4 55.2	1.734	2.654	10.5	18.3
10 18	2 42.54	+ 3 59.3	1.698	2.662	6.8	18.1
10 28	2 33.09	+ 3 7.3	1.689	2.670	4.3	18.0
11 7	2 23.34	+ 2 25.2	1.708	2.677	5.6	18.1
11 17	2 14.36	+ 1 57.8	1.755	2.683	9.0	18.3
11 27	2 7.08	+ 1 48.0	1.827	2.689	12.5	18.5
12 7	2 2.09	+ 1 56.2	1.922	2.694	15.4	18.7

362496 2010 TH_{28} 11 1.8 155°.91 0°.4/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.92	+18 27.8	2.080	2.911	13.1	21.2
10 8	2 47.11	+17 57.2	2.003	2.912	9.9	21.0
10 18	2 40.38	+17 15.1	1.951	2.913	6.2	20.8
10 28	2 32.40	+16 24.2	1.925	2.914	2.2	20.5
11 7	2 24.07	+15 28.7	1.928	2.915	2.1	20.5
11 17	2 16.31	+14 33.7	1.960	2.916	6.1	20.8
11 27	2 9.99	+13 45.0	2.020	2.917	9.7	21.0
12 7	2 5.68	+13 6.7	2.104	2.917	12.9	21.2

449832 2014 QH_{97} 11 1.8 79°.20 4°.1/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.38	+28 49.6	2.171	2.961	14.0	20.7
10 8	2 48.26	+28 53.6	2.097	2.969	11.2	20.6
10 18	2 41.11	+28 40.7	2.044	2.977	8.2	20.4
10 28	2 32.64	+28 10.7	2.017	2.985	5.3	20.2
11 7	2 23.82	+27 25.6	2.018	2.993	4.1	20.2
11 17	2 15.63	+26 30.0	2.047	3.001	6.1	20.3
11 27	2 8.97	+25 30.0	2.104	3.009	9.0	20.5
12 7	2 4.44	+24 32.2	2.187	3.017	11.9	20.7

180859 2005 JA_{17} 11 1.8 205°.65 3°.3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.21	+24 41.0	1.727	2.539	16.1	20.8
10 8	2 52.43	+24 42.5	1.644	2.536	12.7	20.6
10 18	2 43.96	+24 26.6	1.583	2.531	8.7	20.3
10 28	2 33.64	+23 52.7	1.547	2.527	4.7	20.1
11 7	2 22.69	+23 3.5	1.538	2.522	3.6	20.0
11 17	2 12.44	+22 4.7	1.558	2.516	7.1	20.2
11 27	2 4.12	+21 4.4	1.605	2.509	11.2	20.4
12 7	1 58.54	+20 10.3	1.674	2.503	15.0	20.6

511074 2013 TT_{34} 11 1.8 1°.81 2°.7/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.56	+ 9 26.9	1.141	2.017	18.5	20.9
10 8	2 51.09	+ 9 21.4	1.082	2.015	13.9	20.6
10 18	2 43.40	+ 9 11.5	1.042	2.014	8.6	20.3
10 28	2 33.48	+ 9 1.5	1.024	2.014	3.5	20.0
11 7	2 22.90	+ 8 56.7	1.032	2.015	4.8	20.1
11 17	2 13.32	+ 9 1.9	1.063	2.017	10.1	20.4
11 27	2 6.18	+ 9 21.0	1.117	2.020	15.2	20.7
12 7	2 2.35	+ 9 55.2	1.190	2.024	19.5	21.0

482670 2013 CM_{19} 11 1.8 226°.08 5°.4/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.46	− 0 33.0	2.280	3.125	11.6	22.0
10 8	2 48.06	− 1 27.1	2.205	3.115	9.0	21.8
10 18	2 40.90	− 2 18.8	2.154	3.105	6.6	21.6
10 28	2 32.57	− 3 2.5	2.131	3.094	5.4	21.5
11 7	2 23.88	− 3 33.4	2.136	3.083	6.5	21.6
11 17	2 15.65	− 3 48.0	2.170	3.071	9.0	21.7
11 27	2 8.68	− 3 44.3	2.229	3.059	11.7	21.9
12 7	2 3.52	− 3 22.8	2.311	3.046	14.2	22.0

474801 2005 RD_{42} 11 1.8 66°.81 0°.6/ 1.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.46	+16 16.5	1.365	2.218	17.4	21.4
10 8	2 50.99	+15 33.8	1.319	2.241	12.9	21.2
10 18	2 42.87	+14 38.2	1.295	2.263	7.8	21.0
10 28	2 33.19	+13 34.9	1.295	2.286	2.5	20.7
11 7	2 23.33	+12 31.0	1.322	2.309	3.1	20.8
11 17	2 14.61	+11 34.3	1.376	2.332	8.2	21.2
11 27	2 8.10	+10 51.2	1.455	2.354	12.6	21.5
12 7	2 4.39	+10 25.4	1.555	2.377	16.3	21.8

184250 2004 SD_{33} 11 1.8 40°.52 2°.9/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.29	+ 9 24.9	1.708	2.568	14.1	19.6
10 8	2 46.72	+ 8 37.3	1.659	2.585	10.4	19.4
10 18	2 40.11	+ 7 45.4	1.634	2.603	6.4	19.2
10 28	2 32.29	+ 6 54.5	1.635	2.622	3.1	19.1
11 7	2 24.27	+ 6 10.4	1.663	2.641	4.4	19.2
11 17	2 17.04	+ 5 38.0	1.719	2.661	8.1	19.5
11 27	2 11.46	+ 5 20.7	1.800	2.681	11.6	19.7
12 7	2 8.06	+ 5 19.7	1.903	2.701	14.6	20.0

169684 2002 JM_{125} 11 1.8 191°.67 1°.1/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.41	+19 22.7	1.973	2.798	13.9	20.9
10 8	2 49.89	+19 12.1	1.893	2.797	10.6	20.7
10 18	2 42.18	+18 49.7	1.836	2.796	6.8	20.5
10 28	2 33.02	+18 16.9	1.807	2.795	2.7	20.2
11 7	2 23.41	+17 37.1	1.806	2.793	2.2	20.2
11 17	2 14.39	+16 55.0	1.834	2.790	6.3	20.4
11 27	2 6.97	+16 16.2	1.889	2.788	10.2	20.7
12 7	2 1.78	+15 45.6	1.968	2.785	13.5	20.9

119378 2001 SD_{321} 11 1.8 348°.52 5°.8/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 53.04	+ 4 10.7	1.363	2.235	16.3	19.4
10 8	2 48.68	+ 3 9.0	1.302	2.232	12.3	19.2
10 18	2 41.66	+ 2 6.2	1.263	2.229	8.3	18.9
10 28	2 32.87	+ 1 10.4	1.248	2.227	5.9	18.8
11 7	2 23.59	+ 0 29.7	1.258	2.225	7.5	18.9
11 17	2 15.14	+ 0 10.1	1.294	2.224	11.3	19.1
11 27	2 8.69	+ 0 14.4	1.352	2.223	15.3	19.3
12 7	2 4.98	+ 0 42.1	1.429	2.223	18.8	19.6

5867 1988 RE 11 1.8 60°.87 10°.9/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 3.29	+16 14.5	0.716	1.602	25.2	16.7
10 8	2 56.59	+ 8 44.7	0.692	1.635	18.0	16.4
10 18	2 46.18	+ 0 58.3	0.697	1.668	12.0	16.3
10 28	2 34.11	− 6 5.4	0.733	1.701	11.6	16.4
11 7	2 22.64	−11 40.4	0.798	1.734	15.9	16.8
11 17	2 13.56	−15 31.7	0.887	1.767	20.7	17.2
11 27	2 7.94	−17 48.7	0.994	1.800	24.6	17.6
12 7	2 6.03	−18 51.8	1.113	1.832	27.3	18.0

115475 2003 UV_4 11 1.8 342°.82 13°.6/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.50	−19 11.2	1.582	2.402	17.0	18.9
10 8	2 51.67	−20 15.1	1.536	2.398	15.1	18.8
10 18	2 43.31	−20 56.3	1.510	2.394	13.9	18.7
10 28	2 33.37	−21 5.4	1.505	2.390	13.7	18.7
11 7	2 23.10	−20 37.1	1.522	2.387	14.6	18.7
11 17	2 13.76	−19 31.2	1.561	2.384	16.4	18.8
11 27	2 6.43	−17 51.8	1.621	2.381	18.4	19.0
12 7	2 1.74	−15 46.1	1.697	2.380	20.4	19.1

168005 2005 GT_{161} 11 1.8 282°.40 5°.7/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.94	+ 3 9.6	1.791	2.653	13.5	19.9
10 8	2 46.64	+ 1 43.9	1.718	2.641	10.3	19.6
10 18	2 40.22	+ 0 16.1	1.669	2.629	7.2	19.4
10 28	2 32.39	− 1 6.0	1.646	2.618	5.7	19.3
11 7	2 24.11	− 2 14.4	1.651	2.606	7.3	19.4
11 17	2 16.39	− 3 2.8	1.682	2.594	10.5	19.6
11 27	2 10.17	− 3 27.6	1.737	2.583	13.8	19.8
12 7	2 6.12	− 3 28.4	1.813	2.571	16.7	19.9

324864 2007 TW_{66} 11 1.8 346°.08 4°.4/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 47.79	+10 56.2	0.961	1.856	19.5	20.6
10 8	2 45.70	+ 9 41.6	0.901	1.845	14.6	20.3
10 18	2 40.28	+ 8 13.2	0.860	1.836	9.1	20.0
10 28	2 32.51	+ 6 41.1	0.840	1.829	4.6	19.7
11 7	2 23.99	+ 5 18.2	0.842	1.823	6.8	19.8
11 17	2 16.44	+ 4 16.3	0.867	1.818	12.4	20.1
11 27	2 11.40	+ 3 43.7	0.911	1.815	17.7	20.4
12 7	2 9.72	+ 3 42.1	0.972	1.813	22.3	20.7

467530 2007 RZ_9 11 1.8 42°.65 1°.7/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.11	+21 31.6	0.969	1.835	21.8	20.6
10 8	2 50.89	+21 0.8	0.930	1.855	16.6	20.4
10 18	2 43.18	+20 6.5	0.908	1.875	10.6	20.1
10 28	2 33.34	+18 53.3	0.907	1.896	4.2	19.9
11 7	2 23.25	+17 30.6	0.930	1.918	3.3	19.9
11 17	2 14.68	+16 10.3	0.976	1.941	9.1	20.3
11 27	2 8.98	+15 3.5	1.045	1.964	14.4	20.7
12 7	2 6.74	+14 16.9	1.134	1.988	18.8	21.0

211408 2002 VK_{86} 11 1.8 41°.29 2°.5/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.28	+22 18.8	1.634	2.465	16.1	20.3
10 8	2 49.37	+22 21.1	1.570	2.474	12.4	20.1
10 18	2 41.97	+22 8.0	1.527	2.483	8.3	19.9
10 28	2 32.97	+21 40.0	1.509	2.493	4.0	19.6
11 7	2 23.55	+21 0.6	1.518	2.504	3.0	19.6
11 17	2 14.94	+20 15.6	1.554	2.514	6.9	19.9
11 27	2 8.25	+19 31.8	1.616	2.525	10.9	20.1
12 7	2 4.13	+18 55.4	1.702	2.537	14.5	20.4

373158 2012 CY_{29} 11 1.8 179°.45 3°.2/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.55	+ 9 30.3	1.521	2.375	15.8	21.7
10 8	2 51.85	+ 8 43.6	1.454	2.377	11.8	21.4
10 18	2 43.54	+ 7 50.5	1.409	2.378	7.4	21.2
10 28	2 33.50	+ 6 56.8	1.391	2.378	3.5	20.9
11 7	2 22.98	+ 6 9.4	1.399	2.378	5.0	21.0
11 17	2 13.28	+ 5 34.3	1.435	2.377	9.3	21.3
11 27	2 5.58	+ 5 16.4	1.496	2.376	13.6	21.5
12 7	2 0.58	+ 5 17.3	1.578	2.374	17.2	21.8

180343 2003 YX_{60} 11 1.8 249°.34 4°.3/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.49	+ 6 9.3	1.526	2.385	15.5	20.2
10 8	2 51.14	+ 5 28.8	1.455	2.379	11.7	19.9
10 18	2 43.16	+ 4 45.6	1.405	2.372	7.6	19.7
10 28	2 33.40	+ 4 5.7	1.382	2.365	4.5	19.5
11 7	2 23.06	+ 3 35.7	1.385	2.358	5.9	19.5
11 17	2 13.44	+ 3 20.6	1.414	2.351	10.0	19.8
11 27	2 5.74	+ 3 24.1	1.468	2.343	14.1	20.0
12 7	2 0.71	+ 3 46.6	1.542	2.335	17.7	20.2

94221 2001 BD_{47} 11 1.8 315°.57 0°.7/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 50.05	+20 1.6	2.024	2.855	13.3	19.8
10 8	2 45.85	+19 21.6	1.940	2.849	10.2	19.6
10 18	2 39.69	+18 27.8	1.880	2.842	6.4	19.3
10 28	2 32.22	+17 22.8	1.847	2.835	2.4	19.1
11 7	2 24.35	+16 11.6	1.842	2.829	2.1	19.0
11 17	2 17.02	+15 0.1	1.866	2.823	6.2	19.3
11 27	2 11.12	+13 55.0	1.917	2.817	10.0	19.5
12 7	2 7.24	+13 1.5	1.992	2.812	13.3	19.7

477584 2010 JT_{43} 11 1.8 206°.25 5°.6/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.61	− 0 24.6	1.948	2.794	13.2	20.7
10 8	2 50.62	− 0 56.4	1.880	2.792	10.2	20.6
10 18	2 42.56	− 1 24.0	1.835	2.789	7.3	20.4
10 28	2 33.15	− 1 42.3	1.818	2.787	5.6	20.3
11 7	2 23.36	− 1 46.7	1.828	2.784	6.7	20.3
11 17	2 14.20	− 1 34.5	1.867	2.780	9.5	20.5
11 27	2 6.58	− 1 4.8	1.931	2.777	12.6	20.7
12 7	2 1.12	− 0 18.8	2.016	2.773	15.3	20.9

494081 2016 BC_{81} 11 1.8 332°.02 9°.5/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 48.41	− 8 24.9	1.798	2.654	13.7	20.6
10 8	2 44.76	− 9 55.8	1.735	2.639	11.4	20.4
10 18	2 39.08	−11 17.7	1.695	2.623	9.8	20.3
10 28	2 32.04	−12 21.8	1.679	2.608	9.6	20.2
11 7	2 24.56	−13 0.7	1.688	2.594	11.0	20.3
11 17	2 17.63	−13 10.3	1.720	2.581	13.2	20.4
11 27	2 12.15	−12 50.1	1.773	2.569	15.7	20.6
12 7	2 8.75	−12 2.7	1.845	2.557	18.0	20.7

510528 2012 DM_{87} 11 1.8 197°.56 2°.8/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.47	+24 33.9	1.631	2.449	16.7	21.6
10 8	2 51.94	+24 14.4	1.551	2.447	13.1	21.4
10 18	2 43.68	+23 35.2	1.492	2.444	8.8	21.1
10 28	2 33.58	+22 36.8	1.459	2.441	4.5	20.9
11 7	2 22.90	+21 23.6	1.453	2.438	3.3	20.8
11 17	2 13.01	+20 3.1	1.475	2.434	7.3	21.0
11 27	2 5.14	+18 44.6	1.523	2.429	11.7	21.3
12 7	2 0.06	+17 36.6	1.595	2.424	15.5	21.5

349637 2008 UF_{210} 11 1.8 37°.21 0°.5/ 2.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.18	+18 54.9	1.190	2.052	18.9	21.1
10 8	2 48.92	+18 19.4	1.148	2.072	14.2	20.9
10 18	2 41.78	+17 26.8	1.124	2.093	8.8	20.7
10 28	2 32.89	+16 21.9	1.124	2.115	3.0	20.4
11 7	2 23.77	+15 12.6	1.149	2.137	2.9	20.4
11 17	2 15.87	+14 8.0	1.200	2.161	8.3	20.8
11 27	2 10.32	+13 16.1	1.274	2.185	13.1	21.2
12 7	2 7.72	+12 42.0	1.369	2.210	17.0	21.5

236885 2007 SZ_2 11 1.8 92°.59 5°.0/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.21	+ 5 28.6	1.758	2.618	13.8	20.2
10 8	2 47.38	+ 3 53.7	1.706	2.630	10.3	20.0
10 18	2 40.54	+ 2 16.5	1.678	2.642	6.9	19.8
10 28	2 32.47	+ 0 45.0	1.677	2.653	5.0	19.8
11 7	2 24.19	− 0 32.9	1.705	2.665	6.6	19.9
11 17	2 16.66	− 1 31.1	1.759	2.677	9.7	20.1
11 27	2 10.74	− 2 6.3	1.838	2.688	13.0	20.3
12 7	2 6.98	− 2 18.2	1.938	2.699	15.7	20.6

209983 2006 HW_{60} 11 1.8 138°.43 0°.5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.78	+15 37.7	1.444	2.293	16.8	20.6
10 8	2 52.18	+15 10.1	1.379	2.298	12.7	20.4
10 18	2 43.81	+14 30.3	1.336	2.303	7.8	20.1
10 28	2 33.61	+13 42.0	1.318	2.308	2.5	19.8
11 7	2 22.93	+12 51.2	1.326	2.313	3.1	19.8
11 17	2 13.17	+12 4.7	1.362	2.317	8.3	20.2
11 27	2 5.56	+11 29.3	1.423	2.321	12.9	20.5
12 7	2 0.82	+11 9.2	1.506	2.325	16.8	20.7

216095 2006 RW_5 11 1.8 351°.99 0°.0/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.77	+17 38.9	1.823	2.664	14.2	20.5
10 8	2 47.27	+17 5.6	1.749	2.663	10.7	20.3
10 18	2 40.62	+16 20.2	1.697	2.662	6.7	20.1
10 28	2 32.55	+15 25.5	1.671	2.661	2.2	19.8
11 7	2 24.07	+14 26.7	1.674	2.661	2.3	19.8
11 17	2 16.23	+13 29.8	1.704	2.660	6.8	20.1
11 27	2 9.98	+12 41.1	1.761	2.660	10.8	20.3
12 7	2 5.96	+12 5.0	1.841	2.660	14.2	20.6

113787 2002 TH_{193} 11 1.8 194°.64 4°.7/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.30	+ 5 2.2	1.983	2.839	12.6	19.5
10 8	2 46.64	+ 3 35.3	1.916	2.838	9.5	19.3
10 18	2 40.10	+ 2 5.7	1.874	2.837	6.4	19.1
10 28	2 32.37	+ 0 40.2	1.860	2.835	4.7	19.0
11 7	2 24.31	− 0 34.0	1.875	2.834	6.2	19.1
11 17	2 16.84	− 1 31.1	1.917	2.832	9.2	19.3
11 27	2 10.78	− 2 7.4	1.984	2.830	12.3	19.5
12 7	2 6.68	− 2 22.2	2.073	2.828	15.0	19.7

261506 2005 WG_{41} 11 1.8 118°.53 0°.6/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 52.56	+14 27.8	2.152	2.989	12.4	21.4
10 8	2 47.52	+14 8.1	2.078	2.992	9.3	21.2
10 18	2 40.63	+13 41.1	2.028	2.994	5.7	21.0
10 28	2 32.55	+13 9.2	2.006	2.996	1.8	20.7
11 7	2 24.12	+12 36.2	2.013	2.998	2.3	20.8
11 17	2 16.24	+12 6.0	2.048	3.001	6.2	21.0
11 27	2 9.72	+11 42.8	2.112	3.003	9.7	21.2
12 7	2 5.14	+11 29.4	2.199	3.005	12.7	21.4

275284 2010 BX_{130} 11 1.8 37°.23 3°.1/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.73	+25 13.6	2.203	3.007	13.3	20.7
10 8	2 47.78	+25 20.3	2.124	3.010	10.5	20.5
10 18	2 40.86	+25 13.0	2.068	3.013	7.3	20.3
10 28	2 32.63	+24 51.8	2.039	3.016	4.2	20.1
11 7	2 24.01	+24 18.7	2.038	3.019	3.3	20.1
11 17	2 15.94	+23 37.7	2.065	3.022	5.7	20.2
11 27	2 9.30	+22 54.1	2.121	3.025	8.9	20.4
12 7	2 4.70	+22 13.4	2.201	3.028	11.9	20.6

22373 1993 TJ_{31} 11 1.8 28°.32 2°.6/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.22	+ 8 47.6	2.099	2.949	12.2	18.5
10 8	2 46.51	+ 8 11.9	2.030	2.951	9.1	18.3
10 18	2 40.00	+ 7 32.7	1.985	2.953	5.7	18.1
10 28	2 32.33	+ 6 53.8	1.968	2.955	2.8	17.9
11 7	2 24.36	+ 6 19.9	1.979	2.957	3.9	18.0
11 17	2 16.93	+ 5 54.8	2.019	2.959	7.2	18.2
11 27	2 10.84	+ 5 41.8	2.086	2.962	10.5	18.4
12 7	2 6.65	+ 5 42.5	2.175	2.964	13.3	18.6

114646 2003 ER_{41} 11 1.8 334°.22 3°.5/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.88	+ 7 30.6	1.943	2.799	12.8	19.4
10 8	2 46.40	+ 6 33.8	1.874	2.798	9.6	19.2
10 18	2 39.99	+ 5 33.2	1.829	2.796	6.1	19.0
10 28	2 32.34	+ 4 34.2	1.811	2.795	3.6	18.9
11 7	2 24.35	+ 3 42.7	1.821	2.793	4.9	18.9
11 17	2 16.93	+ 3 3.7	1.859	2.792	8.2	19.1
11 27	2 10.93	+ 2 41.0	1.923	2.791	11.6	19.4
12 7	2 6.94	+ 2 35.9	2.008	2.790	14.6	19.6

83178 2001 QO_{287} 11 1.8 68°.46 0°.4/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.93	+16 38.0	1.404	2.254	17.2	19.2
10 8	2 51.29	+15 58.8	1.359	2.278	12.8	19.0
10 18	2 43.07	+15 6.9	1.335	2.302	7.8	18.8
10 28	2 33.32	+14 6.8	1.336	2.326	2.5	18.5
11 7	2 23.40	+13 5.5	1.364	2.351	2.9	18.6
11 17	2 14.62	+12 10.2	1.419	2.375	7.9	19.0
11 27	2 8.02	+11 27.6	1.499	2.398	12.3	19.3
12 7	2 4.17	+11 1.2	1.601	2.422	15.9	19.6

440855 2006 SF_{202} 11 1.8 105°.22 2°.5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.82	+22 48.9	2.083	2.892	13.8	21.5
10 8	2 50.79	+23 0.2	2.015	2.906	10.7	21.3
10 18	2 42.67	+22 58.8	1.970	2.920	7.2	21.1
10 28	2 33.22	+22 44.7	1.952	2.933	3.7	20.9
11 7	2 23.42	+22 20.2	1.963	2.947	2.9	20.9
11 17	2 14.31	+21 49.0	2.003	2.960	5.9	21.1
11 27	2 6.81	+21 16.5	2.071	2.973	9.3	21.4
12 7	2 1.52	+20 47.8	2.164	2.985	12.3	21.6

29674 Raušal 11 1.8 334°.54 2°.1/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.74	+11 35.0	1.161	2.038	18.1	18.4
10 8	2 48.45	+11 19.4	1.088	2.022	13.7	18.1
10 18	2 41.96	+10 55.1	1.034	2.007	8.5	17.8
10 28	2 33.14	+10 26.8	1.003	1.993	3.1	17.4
11 7	2 23.42	+10 0.8	0.995	1.980	4.4	17.5
11 17	2 14.43	+ 9 43.7	1.012	1.969	10.1	17.7
11 27	2 7.73	+ 9 41.5	1.050	1.958	15.5	18.0
12 7	2 4.27	+ 9 57.3	1.107	1.949	20.1	18.3

440897 2006 UF_{221} 11 1.8 351°.51 4°.4/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.48	+23 26.7	1.352	2.194	18.1	20.2
10 8	2 48.82	+24 9.9	1.278	2.186	14.4	19.9
10 18	2 42.10	+24 37.1	1.224	2.178	10.1	19.7
10 28	2 33.17	+24 46.0	1.192	2.172	5.9	19.4
11 7	2 23.40	+24 37.4	1.185	2.167	4.7	19.4
11 17	2 14.34	+24 15.4	1.203	2.164	8.3	19.6
11 27	2 7.46	+23 47.6	1.244	2.162	12.7	19.8
12 7	2 3.70	+23 22.0	1.307	2.161	16.8	20.0

124107 2001 HX_{49} 11 1.8 146°.06 6°.1/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.36	− 5 37.0	2.853	3.691	9.7	19.8
10 8	2 44.63	− 7 10.6	2.803	3.700	7.8	19.7
10 18	2 38.63	− 8 38.9	2.780	3.708	6.4	19.7
10 28	2 31.86	− 9 56.3	2.785	3.716	6.2	19.7
11 7	2 24.91	−10 58.0	2.819	3.724	7.1	19.7
11 17	2 18.40	−11 41.2	2.880	3.731	8.8	19.9
11 27	2 12.86	−12 4.5	2.967	3.738	10.6	20.0
12 7	2 8.72	−12 8.7	3.074	3.744	12.2	20.1

479986 2014 JV_{77} 11 1.8 211°.92 5°.5/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 54.65	− 0 19.4	2.121	2.967	12.3	21.2
10 8	2 49.06	− 1 6.8	2.050	2.962	9.5	21.0
10 18	2 41.58	− 1 51.0	2.004	2.956	6.9	20.9
10 28	2 32.88	− 2 26.8	1.985	2.951	5.5	20.8
11 7	2 23.81	− 2 49.3	1.994	2.945	6.6	20.8
11 17	2 15.29	− 2 55.1	2.031	2.938	9.3	21.0
11 27	2 8.14	− 2 42.6	2.094	2.931	12.1	21.2
12 7	2 2.96	− 2 12.7	2.179	2.924	14.7	21.3

30055 Ajaysaini 11 1.8 228°.64 0°.6/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.80	+17 48.8	1.817	2.649	14.6	19.8
10 8	2 51.20	+17 36.2	1.732	2.640	11.2	19.6
10 18	2 43.18	+17 12.0	1.669	2.631	7.1	19.3
10 28	2 33.47	+16 37.7	1.632	2.622	2.5	19.0
11 7	2 23.15	+15 57.2	1.624	2.612	2.4	19.0
11 17	2 13.41	+15 15.6	1.645	2.601	7.0	19.3
11 27	2 5.37	+14 39.0	1.693	2.590	11.2	19.5
12 7	1 59.79	+14 12.4	1.763	2.579	14.9	19.7

449426 2013 HM_{74} 11 1.8 325°.98 0°.4/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.38	+18 27.2	1.907	2.744	13.8	21.0
10 8	2 46.95	+17 56.4	1.828	2.740	10.5	20.8
10 18	2 40.43	+17 13.3	1.773	2.736	6.6	20.5
10 28	2 32.53	+16 20.4	1.743	2.733	2.3	20.3
11 7	2 24.20	+15 22.3	1.742	2.730	2.2	20.2
11 17	2 16.46	+14 24.9	1.770	2.727	6.5	20.5
11 27	2 10.24	+13 34.3	1.824	2.724	10.4	20.7
12 7	2 6.17	+12 55.3	1.901	2.721	13.8	21.0

98855 2001 AU_{37} 11 1.8 259°.59 5°.2/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.61	+ 1 21.4	1.846	2.696	13.7	19.1
10 8	2 50.86	+ 0 52.4	1.770	2.685	10.5	18.9
10 18	2 42.87	+ 0 26.1	1.717	2.675	7.3	18.6
10 28	2 33.34	+ 0 7.7	1.690	2.664	5.3	18.5
11 7	2 23.31	+ 0 2.0	1.691	2.653	6.4	18.6
11 17	2 13.85	+ 0 12.2	1.720	2.642	9.6	18.7
11 27	2 5.98	+ 0 39.9	1.775	2.631	13.0	18.9
12 7	2 0.40	+ 1 24.2	1.851	2.620	16.1	19.1

119620 2001 WY_{42} 11 1.8 167°.55 1°.3/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.57	+12 8.9	1.729	2.574	14.7	19.8
10 8	2 51.68	+11 56.4	1.658	2.576	11.0	19.5
10 18	2 43.39	+11 37.6	1.610	2.577	6.7	19.3
10 28	2 33.51	+11 15.3	1.589	2.579	2.3	19.0
11 7	2 23.16	+10 53.6	1.596	2.580	3.2	19.1
11 17	2 13.53	+10 36.8	1.631	2.581	7.6	19.4
11 27	2 5.68	+10 29.1	1.692	2.582	11.7	19.6
12 7	2 0.31	+10 33.2	1.776	2.582	15.2	19.8

170021 2002 UE_{41} 11 1.8 344°.26 1°.9/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.16	+11 57.8	1.484	2.348	15.6	19.8
10 8	2 47.28	+11 29.8	1.412	2.340	11.7	19.5
10 18	2 40.87	+10 53.6	1.362	2.333	7.2	19.2
10 28	2 32.72	+10 13.7	1.336	2.327	2.7	18.9
11 7	2 24.00	+ 9 36.0	1.337	2.321	3.8	19.0
11 17	2 15.96	+ 9 6.3	1.364	2.316	8.6	19.3
11 27	2 9.76	+ 8 49.9	1.414	2.312	13.0	19.5
12 7	2 6.15	+ 8 49.7	1.486	2.309	16.8	19.8

112982 2002 RA_{27} 11 1.8 104°.62 11°.0/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.64	− 9 37.4	1.605	2.453	15.5	19.4
10 8	2 49.99	−11 56.4	1.578	2.472	13.0	19.3
10 18	2 42.14	−14 0.6	1.575	2.491	11.3	19.3
10 28	2 33.02	−15 38.8	1.596	2.510	11.2	19.3
11 7	2 23.78	−16 43.5	1.643	2.528	12.5	19.4
11 17	2 15.49	−17 11.7	1.712	2.546	14.6	19.6
11 27	2 9.08	−17 5.2	1.802	2.563	16.8	19.8
12 7	2 5.05	−16 29.0	1.908	2.580	18.7	20.0

36798 2000 SA_{43} 11 1.8 93°.07 3°.0/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.29	+24 4.1	1.394	2.223	18.4	19.1
10 8	2 52.72	+23 54.0	1.334	2.235	14.3	18.9
10 18	2 44.20	+23 23.4	1.294	2.248	9.6	18.6
10 28	2 33.78	+22 33.2	1.278	2.261	4.8	18.4
11 7	2 22.94	+21 28.4	1.288	2.273	3.5	18.4
11 17	2 13.18	+20 17.2	1.325	2.286	7.7	18.7
11 27	2 5.79	+19 9.3	1.388	2.298	12.2	19.0
12 7	2 1.44	+18 12.7	1.472	2.309	16.2	19.2

186838 2004 FG_{109} 11 1.8 97°.48 0°.1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.97	+16 48.1	1.605	2.444	15.9	20.4
10 8	2 51.97	+16 29.8	1.548	2.461	11.9	20.2
10 18	2 43.51	+16 0.1	1.512	2.477	7.4	20.0
10 28	2 33.52	+15 21.8	1.503	2.493	2.5	19.7
11 7	2 23.22	+14 39.6	1.522	2.509	2.5	19.8
11 17	2 13.87	+13 59.5	1.569	2.525	7.3	20.1
11 27	2 6.51	+13 27.2	1.642	2.540	11.5	20.4
12 7	2 1.76	+13 6.8	1.738	2.555	15.0	20.7

321960 2010 UB_{15} 11 1.8 25°.96 3°.7/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 52.69	+11 10.2	1.155	2.032	18.2	20.2
10 8	2 48.77	+ 9 55.4	1.101	2.036	13.5	19.9
10 18	2 41.87	+ 8 29.8	1.067	2.040	8.4	19.7
10 28	2 33.04	+ 7 2.3	1.057	2.045	4.0	19.4
11 7	2 23.75	+ 5 43.7	1.072	2.051	5.9	19.6
11 17	2 15.51	+ 4 43.3	1.111	2.057	10.8	19.9
11 27	2 9.60	+ 4 7.7	1.172	2.064	15.6	20.2
12 7	2 6.71	+ 3 58.3	1.252	2.071	19.6	20.5

276985 2004 XO_{19} 11 1.8 303°.48 8°.6/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.19	−11 41.2	2.161	2.988	12.8	20.0
10 8	2 49.44	−12 19.8	2.096	2.979	10.8	19.9
10 18	2 41.81	−12 46.3	2.054	2.969	9.2	19.7
10 28	2 32.97	−12 54.6	2.038	2.960	8.7	19.7
11 7	2 23.79	−12 40.7	2.049	2.951	9.6	19.7
11 17	2 15.18	−12 3.0	2.085	2.942	11.4	19.8
11 27	2 7.97	−11 2.7	2.145	2.934	13.6	20.0
12 7	2 2.73	− 9 42.9	2.226	2.925	15.6	20.1

300835 2007 XQ_{33} 11 1.8 4°.23 9°.7/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 59.54	− 8 48.8	1.397	2.247	17.2	19.2
10 8	2 53.44	− 9 1.6	1.342	2.247	14.1	19.0
10 18	2 44.56	− 8 58.0	1.308	2.247	11.2	18.8
10 28	2 33.90	− 8 30.8	1.298	2.248	9.7	18.8
11 7	2 22.83	− 7 36.2	1.312	2.251	10.6	18.8
11 17	2 12.75	− 6 14.8	1.351	2.254	13.3	19.0
11 27	2 4.86	− 4 30.3	1.414	2.258	16.4	19.2
12 7	1 59.87	− 2 28.9	1.496	2.263	19.3	19.4

449577 2014 JA_{22} 11 1.8 163°.98 4°.0/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.52	+ 3 5.4	2.190	3.033	12.1	21.7
10 8	2 49.60	+ 2 36.8	2.123	3.037	9.1	21.6
10 18	2 41.87	+ 2 9.5	2.080	3.040	6.1	21.4
10 28	2 32.98	+ 1 47.5	2.066	3.043	4.1	21.3
11 7	2 23.79	+ 1 34.7	2.081	3.046	5.1	21.3
11 17	2 15.18	+ 1 34.0	2.124	3.048	8.0	21.5
11 27	2 7.94	+ 1 47.0	2.195	3.050	10.9	21.7
12 7	2 2.63	+ 2 13.7	2.288	3.051	13.5	21.9

138331 2000 GU_{93} 11 1.8 189°.91 3°.0/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.35	+ 5 52.5	2.307	3.147	11.6	20.1
10 8	2 49.46	+ 5 29.3	2.232	3.146	8.7	19.9
10 18	2 41.79	+ 5 5.2	2.182	3.145	5.6	19.7
10 28	2 32.97	+ 4 43.8	2.160	3.143	3.2	19.6
11 7	2 23.80	+ 4 28.5	2.168	3.141	4.2	19.6
11 17	2 15.14	+ 4 22.4	2.206	3.138	7.2	19.8
11 27	2 7.78	+ 4 27.6	2.271	3.135	10.2	20.0
12 7	2 2.27	+ 4 45.0	2.360	3.131	12.9	20.2

306741 2000 XV_{28} 11 1.8 352°.44 2°.2/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.46	+18 13.5	1.154	2.020	19.0	18.9
10 8	2 49.08	+18 47.5	1.086	2.011	14.7	18.6
10 18	2 42.41	+19 8.9	1.037	2.004	9.6	18.3
10 28	2 33.33	+19 17.1	1.010	1.998	4.1	18.0
11 7	2 23.36	+19 14.4	1.006	1.994	3.4	17.9
11 17	2 14.22	+19 5.3	1.027	1.991	8.8	18.2
11 27	2 7.50	+18 56.8	1.070	1.990	14.0	18.5
12 7	2 4.15	+18 55.2	1.133	1.991	18.5	18.8

509575 2008 CS_{98} 11 1.8 170°.31 6°.4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 0.20	+30 51.7	1.621	2.410	18.0	21.8
10 8	2 54.31	+31 28.0	1.544	2.412	14.7	21.6
10 18	2 45.35	+31 42.7	1.488	2.414	11.1	21.4
10 28	2 34.25	+31 32.4	1.454	2.415	7.8	21.2
11 7	2 22.41	+30 57.2	1.447	2.416	6.5	21.1
11 17	2 11.40	+30 2.2	1.467	2.416	8.4	21.2
11 27	2 2.63	+28 56.2	1.512	2.416	11.9	21.4
12 7	1 56.98	+27 49.6	1.580	2.416	15.3	21.7

60460 2000 DJ_{2} 11 1.8 90°.16 3°.1/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.36	+ 7 59.1	1.903	2.754	13.2	19.5
10 8	2 48.20	+ 7 16.0	1.843	2.764	9.8	19.3
10 18	2 41.08	+ 6 29.7	1.807	2.774	6.2	19.1
10 28	2 32.73	+ 5 45.1	1.798	2.783	3.3	18.9
11 7	2 24.12	+ 5 7.2	1.818	2.793	4.5	19.0
11 17	2 16.19	+ 4 40.4	1.865	2.802	7.9	19.3
11 27	2 9.79	+ 4 28.0	1.939	2.812	11.3	19.5
12 7	2 5.48	+ 4 31.0	2.035	2.821	14.2	19.7

269566 2009 WT_{85} 11 1.8 242°.87 3°.8/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.87	+30 19.2	2.696	3.468	12.0	20.7
10 8	2 46.96	+30 13.0	2.598	3.457	9.8	20.5
10 18	2 40.31	+29 51.5	2.523	3.447	7.2	20.3
10 28	2 32.51	+29 14.2	2.474	3.437	4.8	20.2
11 7	2 24.31	+28 22.9	2.454	3.426	3.8	20.1
11 17	2 16.54	+27 21.1	2.464	3.415	5.3	20.2
11 27	2 9.96	+26 14.1	2.503	3.404	7.9	20.3
12 7	2 5.15	+25 7.8	2.568	3.392	10.5	20.5

228927 2003 SY_{284} 11 1.8 0°.29 3°.6/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 51.11	+26 2.8	1.861	2.675	15.0	20.4
10 8	2 46.96	+26 6.5	1.783	2.674	11.9	20.2
10 18	2 40.55	+25 53.3	1.727	2.673	8.4	20.0
10 28	2 32.62	+25 23.1	1.696	2.673	4.9	19.8
11 7	2 24.22	+24 38.6	1.692	2.673	3.8	19.7
11 17	2 16.43	+23 44.6	1.715	2.674	6.5	19.9
11 27	2 10.29	+22 48.1	1.765	2.676	10.0	20.1
12 7	2 6.46	+21 56.1	1.839	2.678	13.4	20.3

141523 2002 EQ_{149} 11 1.8 354°.78 0°.6/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 44.58	+12 55.8	4.168	4.998	7.1	20.0
10 8	2 40.87	+12 36.6	4.087	4.998	5.2	19.9
10 18	2 36.28	+12 14.1	4.032	4.997	3.2	19.7
10 28	2 31.14	+11 49.9	4.007	4.997	1.1	19.6
11 7	2 25.84	+11 25.9	4.013	4.997	1.5	19.6
11 17	2 20.77	+11 3.9	4.049	4.997	3.6	19.8
11 27	2 16.32	+10 45.8	4.115	4.997	5.6	19.9
12 7	2 12.79	+10 33.2	4.207	4.997	7.4	20.0

181956 1999 TV_{287} 11 1.8 357°.88 1°.3/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.40	+14 51.9	1.015	1.900	19.6	19.9
10 8	2 46.84	+14 17.5	0.957	1.895	14.7	19.6
10 18	2 40.98	+13 27.9	0.917	1.891	9.0	19.3
10 28	2 32.84	+12 28.7	0.898	1.890	3.0	19.0
11 7	2 24.01	+11 28.9	0.903	1.889	4.1	19.0
11 17	2 16.19	+10 38.0	0.930	1.890	10.1	19.4
11 27	2 10.86	+10 4.7	0.978	1.893	15.6	19.7
12 7	2 8.86	+ 9 53.2	1.045	1.897	20.2	20.0

52652 1997 YV_{18} 11 1.8 353°.74 5°.9/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.08	+ 2 31.4	1.399	2.273	15.8	17.1
10 8	2 47.24	+ 1 50.2	1.337	2.267	12.1	16.8
10 18	2 40.84	+ 1 11.0	1.296	2.262	8.3	16.6
10 28	2 32.74	+ 0 40.7	1.280	2.258	6.0	16.5
11 7	2 24.13	+ 0 26.0	1.288	2.255	7.4	16.6
11 17	2 16.27	+ 0 31.1	1.321	2.253	11.0	16.8
11 27	2 10.31	+ 0 57.7	1.377	2.252	14.9	17.0
12 7	2 6.95	+ 1 44.7	1.453	2.253	18.3	17.2

478758 2012 UX_{103} 11 1.8 54°.04 0°.9/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.90	+14 13.8	1.535	2.387	15.8	21.3
10 8	2 49.87	+13 50.0	1.474	2.395	11.8	21.1
10 18	2 42.34	+13 16.8	1.434	2.403	7.2	20.8
10 28	2 33.20	+12 37.6	1.420	2.411	2.3	20.5
11 7	2 23.66	+11 58.0	1.433	2.419	3.1	20.6
11 17	2 14.97	+11 23.5	1.473	2.428	7.8	20.9
11 27	2 8.21	+10 59.6	1.539	2.436	12.2	21.2
12 7	2 4.04	+10 49.7	1.626	2.445	15.8	21.5

492802 2014 QW_{249} 11 1.8 328°.24 0°.1/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.77	+14 30.2	2.128	2.964	12.6	21.6
10 8	2 48.56	+14 34.0	2.048	2.960	9.5	21.4
10 18	2 41.39	+14 31.5	1.991	2.956	5.9	21.2
10 28	2 32.90	+14 24.2	1.962	2.953	1.9	20.9
11 7	2 23.96	+14 14.5	1.962	2.949	2.1	21.0
11 17	2 15.51	+14 5.5	1.992	2.946	6.1	21.2
11 27	2 8.44	+14 0.8	2.048	2.943	9.7	21.4
12 7	2 3.39	+14 3.2	2.129	2.940	12.8	21.6

131638 2001 XB_{73} 11 1.8 183°.69 3°.3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.63	+ 8 41.1	1.489	2.344	16.1	19.5
10 8	2 52.78	+ 8 5.3	1.422	2.344	12.1	19.2
10 18	2 44.23	+ 7 24.5	1.377	2.345	7.6	19.0
10 28	2 33.86	+ 6 44.2	1.357	2.344	3.7	18.8
11 7	2 22.97	+ 6 10.4	1.365	2.344	5.0	18.8
11 17	2 12.91	+ 5 48.8	1.400	2.342	9.4	19.1
11 27	2 4.89	+ 5 43.5	1.459	2.341	13.8	19.4
12 7	1 59.67	+ 5 55.9	1.540	2.339	17.5	19.6

100490 1996 VB_{14} 11 1.8 105°.85 0°.1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.68	+17 32.9	2.099	2.931	12.9	20.8
10 8	2 47.63	+16 59.8	2.031	2.940	9.7	20.6
10 18	2 40.72	+16 16.3	1.986	2.950	6.0	20.4
10 28	2 32.65	+15 25.2	1.969	2.959	2.0	20.2
11 7	2 24.30	+14 31.0	1.981	2.968	2.1	20.2
11 17	2 16.57	+13 38.7	2.023	2.977	6.0	20.5
11 27	2 10.29	+12 53.5	2.092	2.986	9.6	20.7
12 7	2 5.98	+12 19.1	2.185	2.995	12.6	20.9

305125 2007 VT_{121} 11 1.8 199°.89 0°.3/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.85	+15 33.8	2.108	2.934	13.1	21.2
10 8	2 51.65	+15 45.3	2.026	2.932	9.9	21.0
10 18	2 43.33	+15 49.7	1.968	2.930	6.2	20.8
10 28	2 33.55	+15 48.0	1.937	2.927	2.1	20.5
11 7	2 23.29	+15 42.3	1.937	2.924	2.1	20.5
11 17	2 13.54	+15 35.5	1.966	2.921	6.2	20.8
11 27	2 5.29	+15 31.3	2.023	2.917	9.9	21.0
12 7	1 59.20	+15 32.9	2.105	2.913	13.1	21.2

149778 2004 RQ_{215} 11 1.8 113°.62 6°.9/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 56.52	+37 5.1	2.322	3.059	14.6	19.8
10 8	2 50.85	+37 40.6	2.242	3.064	12.4	19.6
10 18	2 42.91	+37 56.5	2.182	3.069	10.1	19.5
10 28	2 33.42	+37 50.1	2.146	3.074	7.9	19.4
11 7	2 23.44	+37 21.3	2.137	3.079	6.9	19.3
11 17	2 14.06	+36 33.1	2.155	3.084	7.6	19.4
11 27	2 6.33	+35 31.6	2.200	3.088	9.5	19.5
12 7	2 0.92	+34 24.5	2.270	3.093	11.7	19.6

513438 2008 UM_{324} 11 1.8 81°.37 0°.2/ 1.7 18

9 28	2 57.49	+15 4.1	1.667	2.509	15.3	21.1
10 8	2 51.57	+14 56.7	1.610	2.525	11.4	20.8
10 18	2 43.28	+14 40.4	1.575	2.541	7.0	20.6
10 28	2 33.51	+14 17.7	1.566	2.557	2.3	20.4
11 7	2 23.43	+13 52.4	1.586	2.573	2.6	20.4
11 17	2 14.23	+13 29.3	1.633	2.588	7.1	20.8
11 27	2 6.91	+13 13.0	1.707	2.604	11.2	21.0
12 7	2 2.11	+13 7.0	1.804	2.620	14.6	21.3

495026 2010 UU_{75} 11 1.8 18°.52 3°.1/ 4.4 17

9 28	2 51.63	+25 35.4	1.830	2.647	15.2	21.2
10 8	2 47.31	+25 22.4	1.757	2.650	11.9	21.0
10 18	2 40.74	+24 51.6	1.705	2.653	8.2	20.8
10 28	2 32.71	+24 3.8	1.678	2.657	4.5	20.5
11 7	2 24.26	+23 2.7	1.678	2.661	3.3	20.5
11 17	2 16.50	+21 54.3	1.706	2.666	6.4	20.7
11 27	2 10.43	+20 46.3	1.761	2.671	10.1	20.9
12 7	2 6.67	+19 45.5	1.840	2.676	13.5	21.1

304455 2006 UF_{21} 11 1.8 53°.24 0°.3/ 2.1 18

9 28	2 52.86	+18 2.3	1.764	2.604	14.7	20.8
10 8	2 48.10	+17 34.9	1.700	2.613	11.0	20.6
10 18	2 41.16	+16 55.4	1.657	2.622	6.9	20.4
10 28	2 32.83	+16 6.6	1.641	2.631	2.4	20.1
11 7	2 24.16	+15 13.5	1.653	2.641	2.3	20.2
11 17	2 16.23	+14 21.9	1.693	2.650	6.7	20.5
11 27	2 9.98	+13 37.9	1.759	2.660	10.7	20.7
12 7	2 6.03	+13 5.8	1.848	2.670	14.1	21.0

438571 2007 UJ_{6} 11 1.8 26°.23 0°.6/ 1.3 18

9 28	2 50.46	+18 19.8	1.511	2.363	16.0	20.3
10 8	2 46.60	+17 5.7	1.448	2.369	12.0	20.1
10 18	2 40.34	+15 34.8	1.406	2.375	7.3	19.9
10 28	2 32.57	+13 53.0	1.390	2.381	2.3	19.6
11 7	2 24.46	+12 9.1	1.402	2.388	3.0	19.6
11 17	2 17.18	+10 32.9	1.441	2.396	7.9	19.9
11 27	2 11.75	+ 9 12.8	1.505	2.404	12.3	20.2
12 7	2 8.79	+ 8 13.9	1.591	2.412	16.0	20.5

436160 2009 VB_{38} 11 1.8 1°.66 1°.6/ 1.1 18

9 28	2 52.42	+12 6.7	1.065	1.946	19.1	20.4
10 8	2 49.00	+12 1.3	1.007	1.943	14.4	20.1
10 18	2 42.29	+11 47.5	0.968	1.942	8.8	19.8
10 28	2 33.31	+11 29.3	0.951	1.942	3.0	19.4
11 7	2 23.64	+11 12.6	0.957	1.944	4.1	19.5
11 17	2 14.98	+11 3.5	0.987	1.947	9.9	19.9
11 27	2 8.80	+11 7.2	1.039	1.951	15.2	20.2
12 7	2 5.95	+11 26.6	1.109	1.957	19.6	20.5

259783 2004 BV_{40} 11 1.8 317°.49 2°.4/31.5 18

9 28	2 52.70	+11 57.8	1.233	2.105	17.6	20.5
10 8	2 49.07	+11 22.5	1.156	2.088	13.3	20.2
10 18	2 42.35	+10 36.6	1.099	2.072	8.3	19.9
10 28	2 33.37	+ 9 45.2	1.066	2.056	3.2	19.5
11 7	2 23.51	+ 8 55.9	1.057	2.040	4.7	19.6
11 17	2 14.35	+ 8 16.8	1.072	2.026	10.2	19.8
11 27	2 7.36	+ 7 55.1	1.110	2.012	15.4	20.1
12 7	2 3.51	+ 7 54.3	1.167	1.999	19.9	20.3

186755 2004 CJ_{76} 11 1.8 146°.33 2°.2/ 3.5 16

9 28	2 58.28	+22 56.9	1.906	2.717	14.8	21.0
10 8	2 52.09	+22 44.7	1.834	2.727	11.5	20.8
10 18	2 43.61	+22 17.4	1.785	2.737	7.6	20.6
10 28	2 33.64	+21 35.8	1.763	2.746	3.7	20.4
11 7	2 23.31	+20 43.5	1.769	2.754	2.7	20.3
11 17	2 13.75	+19 46.1	1.805	2.762	6.3	20.6
11 27	2 5.96	+18 50.4	1.868	2.769	10.1	20.8
12 7	2 0.58	+18 2.5	1.956	2.775	13.5	21.1

132472 2002 JV_{11} 11 1.8 78°.96 1°.0/ 1.2 18

9 28	2 57.44	+13 7.7	1.709	2.552	14.9	20.1
10 8	2 51.41	+12 54.7	1.655	2.572	11.1	19.9
10 18	2 43.12	+12 34.7	1.625	2.592	6.7	19.7
10 28	2 33.46	+12 10.6	1.621	2.612	2.2	19.5
11 7	2 23.55	+11 46.6	1.646	2.631	2.9	19.6
11 17	2 14.53	+11 27.1	1.698	2.651	7.2	19.9
11 27	2 7.36	+11 16.0	1.778	2.670	11.1	20.2
12 7	2 2.60	+11 16.0	1.880	2.689	14.4	20.4

434497 2005 ST_{45} 11 1.8 64°.03 2°.9/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 59.37	+21 30.7	1.422	2.256	17.9	20.8
10 8	2 53.53	+21 54.0	1.364	2.269	13.8	20.5
10 18	2 44.76	+22 1.6	1.327	2.284	9.2	20.3
10 28	2 34.07	+21 53.2	1.314	2.298	4.5	20.1
11 7	2 22.91	+21 31.5	1.327	2.312	3.5	20.1
11 17	2 12.77	+21 1.9	1.367	2.327	7.6	20.4
11 27	2 4.95	+20 31.6	1.432	2.341	12.0	20.7
12 7	2 0.16	+20 7.3	1.520	2.356	15.8	20.9

24174 1999 XZ_{4} 11 1.8 288°.44 1°.3/31.8 17

9 28	2 51.53	+12 33.4	2.156	2.999	12.2	19.6
10 8	2 46.93	+12 6.6	2.067	2.985	9.1	19.4
10 18	2 40.43	+11 33.2	2.003	2.970	5.6	19.1
10 28	2 32.64	+10 56.1	1.965	2.955	2.0	18.9
11 7	2 24.37	+10 19.4	1.957	2.941	2.8	18.9
11 17	2 16.53	+ 9 47.3	1.977	2.926	6.6	19.1
11 27	2 9.97	+ 9 24.1	2.025	2.912	10.2	19.3
12 7	2 5.32	+ 9 12.5	2.096	2.897	13.4	19.5

9472 Bruges 11 1.8 73°.20 0°.3/ 1.5 18

9 28	2 52.53	+15 38.6	2.107	2.943	12.7	18.4
10 8	2 47.47	+15 11.6	2.046	2.959	9.5	18.2
10 18	2 40.60	+14 36.4	2.010	2.975	5.8	18.0
10 28	2 32.64	+13 55.6	2.001	2.991	1.9	17.8
11 7	2 24.45	+13 13.6	2.021	3.008	2.2	17.9
11 17	2 16.91	+12 34.6	2.070	3.024	6.0	18.2
11 27	2 10.79	+12 2.9	2.147	3.040	9.4	18.4
12 7	2 6.61	+11 41.7	2.248	3.056	12.3	18.6

510851 2013 CT_{67} 11 1.8 174°.68 5°.0/28.2 18

9 28	2 51.78	+ 1 54.3	2.210	3.060	11.7	21.7
10 8	2 46.85	+ 0 43.3	2.146	3.062	8.9	21.5
10 18	2 40.22	− 0 27.1	2.107	3.063	6.3	21.3
10 28	2 32.53	− 1 30.9	2.096	3.064	5.0	21.3
11 7	2 24.56	− 2 22.5	2.113	3.065	6.2	21.3
11 17	2 17.12	− 2 57.8	2.159	3.065	8.8	21.5
11 27	2 10.95	− 3 14.3	2.230	3.065	11.5	21.7
12 7	2 6.58	− 3 12.0	2.322	3.065	13.9	21.9

175275 2005 JE_{178} 11 1.8 64°.64 2°.4/31.3 18

9 28	2 55.32	+ 9 41.8	1.735	2.586	14.3	20.4
10 8	2 49.78	+ 9 16.5	1.684	2.605	10.6	20.2
10 18	2 42.11	+ 8 47.2	1.655	2.623	6.5	20.0
10 28	2 33.15	+ 8 17.8	1.653	2.641	2.8	19.8
11 7	2 23.96	+ 7 53.1	1.679	2.660	3.9	19.9
11 17	2 15.60	+ 7 37.1	1.733	2.679	7.7	20.2
11 27	2 8.97	+ 7 32.9	1.813	2.697	11.4	20.4
12 7	2 4.63	+ 7 41.9	1.915	2.716	14.5	20.7

442823 2013 AR_{68} 11 1.8 354°.42 5°.0/ 5.8 17

9 28	2 51.80	+30 6.0	1.537	2.347	17.9	20.6
10 8	2 48.00	+29 54.5	1.460	2.344	14.5	20.4
10 18	2 41.45	+29 17.7	1.403	2.342	10.6	20.2
10 28	2 33.03	+28 15.0	1.369	2.340	6.8	19.9
11 7	2 24.05	+26 50.4	1.361	2.339	5.1	19.8
11 17	2 15.89	+25 11.7	1.379	2.338	7.6	20.0
11 27	2 9.77	+23 30.2	1.422	2.338	11.5	20.2
12 7	2 6.45	+21 56.4	1.489	2.339	15.3	20.5

95585 2002 FV_{3} 11 1.8 184°.70 1°.8/31.5 18

9 28	2 53.72	+ 9 49.3	2.301	3.141	11.7	19.2
10 8	2 48.32	+ 9 34.1	2.226	3.141	8.7	19.0
10 18	2 41.17	+ 9 15.4	2.175	3.141	5.4	18.8
10 28	2 32.87	+ 8 56.2	2.152	3.141	2.2	18.6
11 7	2 24.23	+ 8 39.4	2.159	3.140	3.1	18.7
11 17	2 16.08	+ 8 28.4	2.196	3.140	6.4	18.9
11 27	2 9.20	+ 8 25.7	2.260	3.139	9.6	19.1
12 7	2 4.14	+ 8 33.2	2.348	3.138	12.4	19.3

152898 2000 DC_{12} 11 1.8 271°.85 2°.6/31.0 18

9 28	2 53.93	+11 30.9	1.566	2.423	15.3	20.7
10 8	2 49.34	+10 37.4	1.487	2.411	11.5	20.5
10 18	2 42.20	+ 9 34.4	1.430	2.399	7.1	20.2
10 28	2 33.29	+ 8 27.2	1.399	2.387	3.1	19.9
11 7	2 23.76	+ 7 23.1	1.394	2.375	4.5	20.0
11 17	2 14.87	+ 6 29.5	1.417	2.363	9.1	20.2
11 27	2 7.77	+ 5 52.7	1.465	2.350	13.5	20.5
12 7	2 3.26	+ 5 35.9	1.533	2.338	17.3	20.7

163869 2003 SK_{136} 11 1.8 42°.22 1°.1/ 1.2 18

9 28	2 54.80	+13 32.4	1.497	2.352	16.0	20.1
10 8	2 49.85	+13 13.7	1.439	2.361	11.9	19.9
10 18	2 42.37	+12 46.5	1.402	2.371	7.3	19.6
10 28	2 33.29	+12 14.2	1.391	2.382	2.4	19.4
11 7	2 23.83	+11 42.0	1.407	2.393	3.2	19.5
11 17	2 15.24	+11 15.4	1.449	2.404	7.9	19.8
11 27	2 8.61	+10 59.1	1.517	2.415	12.2	20.1
12 7	2 4.59	+10 56.3	1.606	2.427	15.8	20.3

405225 2003 SW_{33} 11 1.8 6°58 6°9/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 46.88	+ 1 23.6	1.656	2.529	13.8	19.8
10 8	2 43.69	− 0 30.2	1.603	2.530	10.7	19.6
10 18	2 38.48	− 2 23.2	1.574	2.532	7.9	19.5
10 28	2 32.00	− 4 5.8	1.571	2.535	7.0	19.4
11 7	2 25.20	− 5 29.0	1.595	2.538	8.6	19.5
11 17	2 19.07	− 6 26.4	1.643	2.543	11.5	19.7
11 27	2 14.45	− 6 55.4	1.714	2.549	14.5	19.9
12 7	2 11.92	− 6 57.0	1.805	2.555	17.1	20.1

227979 2007 HG_{87} 11 1.8 140°05 1°2/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.33	+12 17.5	2.481	3.318	11.0	20.8
10 8	2 46.40	+11 47.1	2.408	3.323	8.2	20.6
10 18	2 39.92	+11 11.4	2.361	3.328	5.0	20.4
10 28	2 32.45	+10 33.2	2.343	3.332	1.8	20.2
11 7	2 24.72	+ 9 56.2	2.354	3.337	2.6	20.3
11 17	2 17.46	+ 9 23.9	2.394	3.341	5.8	20.5
11 27	2 11.37	+ 8 59.9	2.463	3.345	8.8	20.7
12 7	2 6.93	+ 8 46.2	2.556	3.349	11.5	20.9

40224 1998 SJ_{143} 11 1.8 105°17 4°0/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.55	+ 4 22.2	2.283	3.133	11.4	19.4
10 8	2 45.88	+ 3 22.6	2.222	3.140	8.5	19.2
10 18	2 39.61	+ 2 22.4	2.186	3.147	5.7	19.0
10 28	2 32.34	+ 1 26.7	2.178	3.154	4.0	19.0
11 7	2 24.85	+ 0 40.4	2.198	3.160	5.2	19.0
11 17	2 17.89	+ 0 7.5	2.248	3.167	7.8	19.2
11 27	2 12.14	− 0 9.7	2.323	3.173	10.6	19.4
12 7	2 8.11	− 0 10.5	2.421	3.180	13.0	19.6

65424 2002 TO_{111} 11 1.8 27°09 3°5/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.41	+ 6 50.5	2.098	2.954	12.0	18.8
10 8	2 45.19	+ 5 51.3	2.035	2.958	9.0	18.6
10 18	2 39.26	+ 4 49.3	1.996	2.962	5.8	18.4
10 28	2 32.24	+ 3 49.9	1.985	2.967	3.6	18.3
11 7	2 24.96	+ 2 58.5	2.002	2.971	4.8	18.4
11 17	2 18.22	+ 2 19.5	2.047	2.976	7.8	18.6
11 27	2 12.78	+ 1 56.3	2.117	2.982	10.9	18.8
12 7	2 9.16	+ 1 49.8	2.211	2.987	13.6	19.0

27606 Davidli 11 1.8 169°17 1°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.84	+20 41.6	2.642	3.456	11.1	19.7
10 8	2 46.04	+20 14.3	2.560	3.458	8.5	19.5
10 18	2 39.70	+19 36.6	2.503	3.460	5.4	19.3
10 28	2 32.39	+18 50.0	2.474	3.461	2.3	19.1
11 7	2 24.80	+17 58.0	2.475	3.462	1.7	19.1
11 17	2 17.66	+17 4.3	2.507	3.464	4.9	19.3
11 27	2 11.65	+16 13.7	2.567	3.464	7.9	19.5
12 7	2 7.26	+15 30.0	2.653	3.465	10.6	19.7

374736 2006 SW_{102} 11 1.8 250°01 2°6/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.94	+21 13.0	1.577	2.405	16.7	21.1
10 8	2 53.36	+21 29.4	1.493	2.396	13.0	20.8
10 18	2 44.85	+21 31.7	1.430	2.386	8.7	20.6
10 28	2 34.23	+21 19.1	1.392	2.376	4.2	20.3
11 7	2 22.78	+20 53.7	1.380	2.366	3.2	20.2
11 17	2 11.97	+20 20.2	1.397	2.356	7.6	20.4
11 27	2 3.17	+19 45.8	1.439	2.345	12.2	20.7
12 7	1 57.31	+19 17.3	1.503	2.334	16.2	20.9

168423 1998 QG_{96} 11 1.8 33°89 3°4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.90	+26 43.2	1.380	2.211	18.4	19.1
10 8	2 47.96	+26 10.0	1.325	2.226	14.4	18.9
10 18	2 41.30	+25 12.6	1.289	2.242	9.9	18.6
10 28	2 32.94	+23 53.2	1.277	2.258	5.3	18.4
11 7	2 24.28	+22 18.8	1.290	2.275	3.7	18.4
11 17	2 16.67	+20 39.2	1.330	2.293	7.4	18.7
11 27	2 11.22	+19 5.3	1.395	2.312	11.7	19.0
12 7	2 8.55	+17 45.9	1.483	2.331	15.5	19.2

38640 2000 NO_{16} 11 1.8 17°98 0°9/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.08	+17 22.7	1.181	2.040	19.1	19.0
10 8	2 52.37	+17 26.8	1.119	2.042	14.6	18.7
10 18	2 44.35	+17 17.0	1.077	2.044	9.2	18.4
10 28	2 34.05	+16 54.8	1.057	2.047	3.4	18.1
11 7	2 23.07	+16 24.7	1.062	2.050	3.0	18.1
11 17	2 13.11	+15 53.5	1.092	2.054	8.8	18.5
11 27	2 5.67	+15 28.9	1.146	2.058	14.0	18.8
12 7	2 1.59	+15 16.5	1.219	2.063	18.5	19.1

402452 2006 BJ_{64} 11 1.8 15°08 4°2/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.11	+27 41.1	1.999	2.799	14.7	21.5
10 8	2 48.38	+27 53.0	1.921	2.800	11.7	21.3
10 18	2 41.44	+27 48.3	1.865	2.802	8.5	21.1
10 28	2 33.03	+27 26.1	1.834	2.805	5.4	20.9
11 7	2 24.15	+26 48.4	1.831	2.807	4.2	20.8
11 17	2 15.88	+25 59.5	1.855	2.810	6.4	21.0
11 27	2 9.21	+25 6.0	1.906	2.814	9.6	21.2
12 7	2 4.81	+24 14.4	1.982	2.817	12.7	21.4

358256 2006 TX_{33} 11 1.8 114°98 0°6/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 52.48	+15 37.6	1.990	2.829	13.2	21.2
10 8	2 47.64	+14 58.1	1.919	2.834	9.9	21.0
10 18	2 40.84	+14 8.9	1.871	2.838	6.1	20.8
10 28	2 32.80	+13 13.3	1.851	2.842	1.9	20.5
11 7	2 24.42	+12 16.4	1.860	2.846	2.5	20.6
11 17	2 16.65	+11 23.7	1.897	2.849	6.5	20.9
11 27	2 10.36	+10 40.2	1.961	2.853	10.2	21.1
12 7	2 6.13	+10 9.7	2.049	2.857	13.4	21.3

313658 2003 SJ_{181} 11 1.8 107°08 5°2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.35	+33 31.3	2.638	3.384	12.8	20.7
10 8	2 51.06	+34 1.8	2.566	3.402	10.6	20.6
10 18	2 42.87	+34 16.2	2.517	3.420	8.3	20.4
10 28	2 33.46	+34 13.0	2.495	3.437	6.2	20.3
11 7	2 23.71	+33 52.7	2.500	3.454	5.2	20.3
11 17	2 14.55	+33 18.1	2.535	3.471	6.1	20.4
11 27	2 6.81	+32 34.1	2.597	3.487	8.1	20.6
12 7	2 1.07	+31 46.5	2.686	3.503	10.3	20.7

176276 2001 RC_{135} 11 1.8 56°65 2°0/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.61	+10 56.4	1.700	2.552	14.5	20.2
10 8	2 49.35	+10 30.9	1.647	2.568	10.8	20.0
10 18	2 41.91	+10 0.0	1.616	2.585	6.6	19.8
10 28	2 33.13	+ 9 27.8	1.612	2.601	2.6	19.6
11 7	2 24.11	+ 8 59.1	1.636	2.618	3.6	19.7
11 17	2 15.90	+ 8 38.1	1.687	2.635	7.6	20.0
11 27	2 9.43	+ 8 28.7	1.764	2.652	11.4	20.3
12 7	2 5.28	+ 8 32.5	1.864	2.670	14.6	20.5

395416 2011 SA_{172} 11 1.8 76°80 1°1/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.72	+20 13.1	1.832	2.662	14.6	21.3
10 8	2 48.74	+19 49.8	1.764	2.671	11.1	21.1
10 18	2 41.59	+19 12.9	1.719	2.680	7.1	20.8
10 28	2 33.05	+18 24.6	1.701	2.689	2.8	20.6
11 7	2 24.17	+17 29.5	1.710	2.698	2.2	20.6
11 17	2 16.01	+16 33.4	1.748	2.707	6.4	20.9
11 27	2 9.53	+15 42.6	1.813	2.716	10.3	21.1
12 7	2 5.32	+15 2.2	1.901	2.725	13.6	21.4

355489 2007 WK_{61} 11 1.8 294°71 5°7/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.88	+31 26.5	1.848	2.634	16.2	20.8
10 8	2 50.06	+31 42.4	1.763	2.628	13.3	20.6
10 18	2 42.67	+31 37.5	1.697	2.622	10.1	20.4
10 28	2 33.48	+31 9.7	1.655	2.615	7.1	20.2
11 7	2 23.66	+30 20.2	1.640	2.609	5.7	20.1
11 17	2 14.47	+29 13.7	1.652	2.603	7.5	20.2
11 27	2 7.10	+27 58.4	1.690	2.597	10.6	20.4
12 7	2 2.35	+26 43.3	1.752	2.591	13.9	20.6

452966 2007 DB_{25} 11 1.8 178°40 2°0/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.24	+10 41.5	2.329	3.172	11.4	21.9
10 8	2 46.45	+ 9 57.6	2.255	3.173	8.5	21.8
10 18	2 40.01	+ 9 8.4	2.206	3.173	5.2	21.6
10 28	2 32.52	+ 8 17.9	2.186	3.174	2.3	21.4
11 7	2 24.72	+ 7 30.4	2.194	3.174	3.3	21.4
11 17	2 17.42	+ 6 50.3	2.232	3.174	6.5	21.6
11 27	2 11.33	+ 6 21.1	2.298	3.173	9.7	21.8
12 7	2 6.98	+ 6 5.0	2.387	3.173	12.4	22.0

6191 Eades 11 1.8 40°03 2°4/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.66	+ 8 31.1	1.865	2.715	13.5	17.0
10 8	2 49.30	+ 8 21.7	1.803	2.723	10.1	16.8
10 18	2 41.88	+ 8 9.8	1.765	2.732	6.2	16.6
10 28	2 33.14	+ 7 58.8	1.753	2.741	2.8	16.4
11 7	2 24.08	+ 7 52.1	1.770	2.750	3.7	16.5
11 17	2 15.70	+ 7 52.9	1.814	2.760	7.4	16.7
11 27	2 8.91	+ 8 3.6	1.886	2.770	11.0	17.0
12 7	2 4.29	+ 8 25.4	1.980	2.780	14.1	17.2

91435 1999 RX_{6} 11 1.8 309°80 4°7/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.92	+ 4 24.8	1.990	2.848	12.5	19.3
10 8	2 45.75	+ 3 13.8	1.918	2.840	9.4	19.1
10 18	2 39.71	+ 2 0.7	1.871	2.833	6.4	18.9
10 28	2 32.44	+ 0 52.0	1.850	2.826	4.7	18.8
11 7	2 24.81	− 0 6.0	1.858	2.819	6.0	18.9
11 17	2 17.69	− 0 48.0	1.893	2.813	9.0	19.0
11 27	2 11.91	− 1 10.7	1.953	2.806	12.2	19.2
12 7	2 8.06	− 1 13.4	2.035	2.800	14.9	19.4

356774 2011 UT_{280} 11 1.8 44°26 1°6/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.42	+22 13.3	1.772	2.601	15.1	20.3
10 8	2 47.90	+21 39.3	1.701	2.605	11.6	20.0
10 18	2 41.13	+20 48.8	1.651	2.610	7.5	19.8
10 28	2 32.92	+19 44.2	1.628	2.614	3.3	19.6
11 7	2 24.33	+18 30.6	1.632	2.619	2.4	19.5
11 17	2 16.46	+17 15.0	1.664	2.624	6.5	19.8
11 27	2 10.29	+16 5.1	1.723	2.629	10.5	20.0
12 7	2 6.46	+15 7.0	1.806	2.634	14.0	20.3

72805 2001 GN_1 11 1.8 148°.81 0°.0/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 58.72	+14 35.6	2.051	2.879	13.3	19.0
10 8	2 52.28	+14 44.4	1.978	2.886	10.0	18.8
10 18	2 43.73	+14 46.6	1.928	2.891	6.2	18.6
10 28	2 33.78	+14 43.4	1.907	2.897	2.1	18.4
11 7	2 23.41	+14 37.3	1.915	2.902	2.2	18.4
11 17	2 13.67	+14 31.1	1.953	2.907	6.3	18.7
11 27	2 5.49	+14 28.6	2.019	2.911	10.0	18.9
12 7	1 59.51	+14 32.5	2.109	2.915	13.1	19.1

21520 Dianaeheart 11 1.8 121°.46 3°.7/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.99	+ 5 55.3	2.183	3.034	11.8	18.7
10 8	2 46.31	+ 4 56.4	2.118	3.038	8.8	18.5
10 18	2 39.94	+ 3 55.5	2.078	3.042	5.8	18.4
10 28	2 32.50	+ 2 57.7	2.065	3.045	3.8	18.2
11 7	2 24.79	+ 2 8.3	2.082	3.049	4.9	18.3
11 17	2 17.61	+ 1 31.6	2.127	3.052	7.8	18.5
11 27	2 11.72	+ 1 10.6	2.198	3.056	10.8	18.7
12 7	2 7.63	+ 1 6.1	2.292	3.059	13.4	18.9

51589 2001 HQ_{13} 11 1.8 70°.42 6°.9/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.94	− 2 35.0	1.705	2.556	14.6	17.9
10 8	2 50.93	− 3 17.8	1.662	2.574	11.3	17.8
10 18	2 42.80	− 3 53.2	1.643	2.593	8.4	17.6
10 28	2 33.42	− 4 15.1	1.649	2.611	6.9	17.6
11 7	2 23.88	− 4 18.8	1.682	2.630	7.9	17.7
11 17	2 15.23	− 4 2.3	1.742	2.648	10.6	17.9
11 27	2 8.37	− 3 25.9	1.826	2.666	13.5	18.1
12 7	2 3.83	− 2 32.1	1.931	2.684	16.0	18.3

297350 1999 YX_{12} 11 1.8 314°.92 6°.2/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.80	+32 13.1	1.571	2.371	18.0	20.0
10 8	2 48.28	+32 14.2	1.476	2.350	15.0	19.7
10 18	2 41.86	+31 49.1	1.399	2.329	11.4	19.5
10 28	2 33.29	+30 54.9	1.345	2.308	7.9	19.2
11 7	2 23.86	+29 33.1	1.315	2.288	6.2	19.1
11 17	2 15.03	+27 50.4	1.312	2.269	8.3	19.1
11 27	2 8.23	+25 58.2	1.334	2.250	12.1	19.3
12 7	2 4.39	+24 8.9	1.379	2.232	16.1	19.5

495818 2017 FZ_{111} 11 1.8 266°.72 2°.8/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.86	+ 8 19.8	2.319	3.166	11.3	21.1
10 8	2 46.29	+ 7 29.6	2.231	3.150	8.5	20.9
10 18	2 40.01	+ 6 34.9	2.168	3.134	5.4	20.7
10 28	2 32.56	+ 5 40.1	2.133	3.118	3.0	20.5
11 7	2 24.69	+ 4 50.0	2.128	3.102	4.1	20.6
11 17	2 17.22	+ 4 9.1	2.151	3.085	7.2	20.7
11 27	2 10.92	+ 3 41.3	2.202	3.068	10.4	20.9
12 7	2 6.35	+ 3 28.5	2.275	3.052	13.2	21.1

396321 2014 DK_{43} 11 1.8 90°.24 1°.6/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.07	+13 3.3	1.779	2.626	14.2	21.0
10 8	2 48.94	+12 20.8	1.718	2.637	10.5	20.7
10 18	2 41.67	+11 30.2	1.680	2.648	6.4	20.5
10 28	2 33.08	+10 36.0	1.669	2.659	2.3	20.3
11 7	2 24.20	+ 9 43.7	1.686	2.670	3.3	20.4
11 17	2 16.07	+ 8 58.9	1.732	2.681	7.4	20.7
11 27	2 9.60	+ 8 26.5	1.803	2.691	11.2	20.9
12 7	2 5.38	+ 8 9.1	1.898	2.702	14.5	21.2

117774 2005 GV_{99} 11 1.8 167°.82 0°.2/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.28	+16 29.2	2.030	2.865	13.2	20.5
10 8	2 48.25	+15 55.6	1.955	2.867	9.9	20.3
10 18	2 41.25	+15 11.8	1.903	2.868	6.1	20.1
10 28	2 32.96	+14 20.7	1.879	2.869	2.0	19.8
11 7	2 24.30	+13 27.0	1.884	2.870	2.3	19.8
11 17	2 16.24	+12 35.8	1.918	2.871	6.4	20.1
11 27	2 9.65	+11 52.6	1.979	2.872	10.1	20.3
12 7	2 5.11	+11 21.0	2.064	2.872	13.3	20.5

452792 2006 GV_{41} 11 1.8 241°.00 2°.9/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.53	+ 4 42.8	2.719	3.556	10.2	20.9
10 8	2 48.01	+ 4 25.1	2.632	3.544	7.7	20.7
10 18	2 40.94	+ 4 7.6	2.570	3.531	5.0	20.5
10 28	2 32.85	+ 3 53.0	2.537	3.518	3.0	20.4
11 7	2 24.40	+ 3 44.2	2.535	3.505	3.9	20.4
11 17	2 16.29	+ 3 43.8	2.563	3.491	6.5	20.6
11 27	2 9.23	+ 3 53.5	2.618	3.477	9.2	20.7
12 7	2 3.71	+ 4 14.0	2.699	3.463	11.7	20.9

59660 1999 JE_{96} 11 1.8 76°.68 9°.5/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.81	− 8 24.8	1.595	2.441	15.6	18.8
10 8	2 51.66	− 9 28.6	1.561	2.460	12.7	18.7
10 18	2 43.26	−10 18.9	1.548	2.479	10.4	18.6
10 28	2 33.57	−10 47.8	1.560	2.498	9.5	18.6
11 7	2 23.75	−10 50.4	1.597	2.516	10.6	18.7
11 17	2 14.95	−10 25.3	1.659	2.535	12.8	18.9
11 27	2 8.07	− 9 34.5	1.743	2.553	15.3	19.1
12 7	2 3.65	− 8 22.7	1.847	2.572	17.6	19.3

395826 2012 XN_{64} 11 1.9 235°.21 1°.1/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.04	+15 8.1	2.016	2.855	13.1	21.5
10 8	2 48.16	+14 14.6	1.930	2.845	9.8	21.2
10 18	2 41.26	+13 10.3	1.869	2.836	6.0	21.0
10 28	2 32.99	+11 59.0	1.835	2.825	2.0	20.7
11 7	2 24.27	+10 46.4	1.830	2.815	2.9	20.8
11 17	2 16.08	+ 9 38.8	1.855	2.804	7.0	21.0
11 27	2 9.32	+ 8 42.2	1.907	2.793	10.8	21.2
12 7	2 4.64	+ 8 0.7	1.982	2.781	14.1	21.4

21137 1993 FX_{20} 11 1.9 56°.80 0°.7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.34	+14 57.5	1.930	2.773	13.5	18.5
10 8	2 47.57	+14 27.1	1.864	2.781	10.0	18.3
10 18	2 40.83	+13 48.0	1.822	2.789	6.1	18.1
10 28	2 32.82	+13 3.4	1.806	2.797	2.0	17.9
11 7	2 24.51	+12 17.9	1.819	2.805	2.5	17.9
11 17	2 16.83	+11 36.5	1.860	2.813	6.6	18.2
11 27	2 10.67	+11 4.0	1.928	2.821	10.3	18.4
12 7	2 6.60	+10 43.5	2.019	2.830	13.4	18.7

195978 2002 RG_{193} 11 1.9 117°.20 1°.2/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.54	+20 17.1	2.620	3.433	11.2	20.9
10 8	2 47.29	+20 9.0	2.547	3.444	8.5	20.7
10 18	2 40.48	+19 51.7	2.499	3.454	5.5	20.5
10 28	2 32.69	+19 26.1	2.479	3.465	2.4	20.3
11 7	2 24.64	+18 54.7	2.489	3.475	1.8	20.3
11 17	2 17.08	+18 21.0	2.528	3.485	4.8	20.5
11 27	2 10.70	+17 48.8	2.597	3.495	7.8	20.7
12 7	2 5.98	+17 21.6	2.692	3.504	10.4	20.9

505620 2014 FJ_{39} 11 1.9 131°.36 12°.8/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.97	− 3 27.1	1.091	1.969	19.0	20.8
10 8	2 51.27	− 7 2.4	1.055	1.976	15.5	20.6
10 18	2 43.47	−10 30.0	1.042	1.982	13.1	20.5
10 28	2 33.73	−13 28.7	1.052	1.988	13.2	20.6
11 7	2 23.64	−15 41.5	1.086	1.994	15.5	20.7
11 17	2 14.74	−17 0.8	1.142	2.000	18.7	21.0
11 27	2 8.32	−17 27.4	1.214	2.005	21.8	21.2
12 7	2 5.04	−17 9.3	1.300	2.009	24.4	21.4

287703 2003 QR_{48} 11 1.9 56°.08 5°.8/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.20	+ 0 16.8	2.033	2.889	12.3	19.9
10 8	2 45.76	− 1 0.9	1.984	2.901	9.5	19.7
10 18	2 39.60	− 2 15.7	1.959	2.913	6.9	19.6
10 28	2 32.40	− 3 21.0	1.962	2.925	5.8	19.6
11 7	2 25.00	− 4 10.9	1.992	2.937	7.0	19.7
11 17	2 18.22	− 4 41.6	2.049	2.950	9.5	19.8
11 27	2 12.79	− 4 51.4	2.130	2.962	12.1	20.0
12 7	2 9.20	− 4 41.2	2.233	2.975	14.4	20.2

233449 2006 HS_{110} 11 1.9 313°.16 2°.4/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.57	+ 7 53.3	1.896	2.744	13.4	20.0
10 8	2 50.43	+ 7 55.8	1.795	2.714	10.2	19.7
10 18	2 42.92	+ 7 57.0	1.718	2.685	6.5	19.4
10 28	2 33.66	+ 7 59.8	1.668	2.655	2.9	19.1
11 7	2 23.60	+ 8 7.2	1.645	2.626	3.9	19.1
11 17	2 13.84	+ 8 22.1	1.651	2.598	7.9	19.3
11 27	2 5.51	+ 8 47.1	1.684	2.569	12.0	19.5
12 7	1 59.44	+ 9 23.6	1.739	2.542	15.6	19.7

103869 2000 DC_{44} 11 1.9 140°.95 2°.2/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.86	+22 24.6	1.933	2.744	14.7	20.8
10 8	2 52.55	+22 20.5	1.862	2.756	11.3	20.7
10 18	2 43.96	+22 2.2	1.815	2.767	7.5	20.4
10 28	2 33.90	+21 30.5	1.794	2.777	3.6	20.2
11 7	2 23.47	+20 48.4	1.801	2.787	2.7	20.2
11 17	2 13.79	+20 0.9	1.838	2.796	6.3	20.4
11 27	2 5.86	+19 14.4	1.903	2.804	10.0	20.7
12 7	2 0.33	+18 34.5	1.993	2.812	13.3	20.9

329707 2003 UH_{353} 11 1.9 346°.71 3°.3/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.65	+ 9 39.5	1.186	2.060	18.0	20.9
10 8	2 50.46	+ 9 6.2	1.123	2.056	13.6	20.6
10 18	2 43.17	+ 8 26.0	1.080	2.052	8.5	20.3
10 28	2 33.74	+ 7 45.1	1.060	2.049	3.8	20.0
11 7	2 23.62	+ 7 10.9	1.064	2.046	5.3	20.1
11 17	2 14.42	+ 6 50.1	1.093	2.044	10.4	20.4
11 27	2 7.54	+ 6 47.7	1.145	2.043	15.4	20.7
12 7	2 3.80	+ 7 5.4	1.215	2.042	19.6	21.0

473457 2015 XV_{51} 11 1.9 185°.52 7°.0/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.90	− 8 38.3	2.538	3.369	11.0	20.7
10 8	2 47.52	− 9 27.4	2.479	3.368	9.0	20.6
10 18	2 40.62	−10 8.0	2.445	3.368	7.5	20.5
10 28	2 32.76	−10 35.2	2.437	3.368	7.0	20.5
11 7	2 24.67	−10 45.2	2.458	3.367	7.9	20.5
11 17	2 17.07	−10 36.0	2.504	3.366	9.6	20.7
11 27	2 10.62	−10 7.5	2.576	3.364	11.6	20.8
12 7	2 5.81	− 9 21.6	2.669	3.363	13.4	20.9

9363 1992 *GR* 11 1.9 283°.27 3°.6/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 57.30	+ 5 24.3	1.806	2.655	14.0	17.5
10 8	2 51.62	+ 5 14.1	1.722	2.641	10.6	17.3
10 18	2 43.56	+ 5 3.9	1.662	2.627	6.9	17.0
10 28	2 33.84	+ 4 57.6	1.628	2.612	3.8	16.8
11 7	2 23.48	+ 4 59.1	1.623	2.598	4.9	16.8
11 17	2 13.64	+ 5 11.6	1.645	2.584	8.6	17.0
11 27	2 5.42	+ 5 37.2	1.694	2.570	12.5	17.2
12 7	1 59.56	+ 6 16.3	1.765	2.556	15.9	17.4

517057 2013 AW_{134} 11 1.9 249°.76 7°.2/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.40	− 4 19.9	2.080	2.924	12.6	22.1
10 8	2 49.10	− 5 26.4	2.004	2.908	10.1	21.9
10 18	2 41.83	− 6 27.9	1.952	2.892	8.0	21.7
10 28	2 33.22	− 7 17.5	1.927	2.876	7.2	21.6
11 7	2 24.16	− 7 49.3	1.929	2.859	8.4	21.7
11 17	2 15.57	− 7 59.3	1.958	2.841	10.8	21.8
11 27	2 8.34	− 7 46.3	2.011	2.824	13.5	22.0
12 7	2 3.11	− 7 11.4	2.085	2.805	16.0	22.1

226432 2003 SQ_{25} 11 1.9 264°.54 1°.3/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.97	+13 40.7	2.332	3.172	11.5	20.3
10 8	2 45.60	+12 51.8	2.250	3.166	8.6	20.1
10 18	2 39.57	+11 55.0	2.194	3.161	5.2	19.8
10 28	2 32.45	+10 53.9	2.165	3.155	1.9	19.6
11 7	2 25.00	+ 9 53.2	2.166	3.149	2.7	19.7
11 17	2 18.00	+ 8 57.9	2.196	3.143	6.2	19.9
11 27	2 12.19	+ 8 12.5	2.254	3.138	9.5	20.1
12 7	2 8.10	+ 7 39.9	2.337	3.132	12.3	20.3

191494 Berndkoch 11 1.9 7°.64 6°.9/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.18	+35 22.6	2.145	2.899	15.2	19.8
10 8	2 50.09	+36 4.1	2.064	2.900	12.8	19.6
10 18	2 42.63	+36 26.3	2.003	2.901	10.3	19.5
10 28	2 33.53	+36 26.2	1.966	2.902	8.0	19.3
11 7	2 23.84	+36 3.5	1.955	2.903	6.9	19.3
11 17	2 14.72	+35 21.1	1.971	2.905	7.7	19.3
11 27	2 7.28	+34 25.4	2.013	2.907	9.9	19.5
12 7	2 2.25	+33 24.1	2.080	2.909	12.4	19.6

274458 2008 SR_{63} 11 1.9 244°.24 1°.2/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.28	+20 47.2	2.653	3.466	11.1	21.8
10 8	2 46.49	+20 32.0	2.560	3.457	8.5	21.6
10 18	2 40.10	+20 6.7	2.492	3.447	5.5	21.4
10 28	2 32.63	+19 32.3	2.451	3.437	2.4	21.2
11 7	2 24.79	+18 51.5	2.440	3.426	1.8	21.1
11 17	2 17.33	+18 7.9	2.459	3.416	4.9	21.3
11 27	2 10.95	+17 25.7	2.507	3.405	8.0	21.5
12 7	2 6.22	+16 48.9	2.580	3.394	10.8	21.7

274279 2008 PK_{21} 11 1.9 54°.78 2°.3/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.40	+ 9 35.0	1.419	2.277	16.6	19.6
10 8	2 52.62	+ 9 28.6	1.366	2.289	12.4	19.4
10 18	2 44.16	+ 9 18.2	1.334	2.303	7.6	19.2
10 28	2 33.99	+ 9 7.6	1.327	2.316	3.1	18.9
11 7	2 23.45	+ 9 0.9	1.347	2.330	4.1	19.1
11 17	2 13.90	+ 9 2.2	1.393	2.344	8.7	19.4
11 27	2 6.49	+ 9 14.5	1.465	2.358	13.0	19.7
12 7	2 1.88	+ 9 39.3	1.557	2.372	16.6	19.9

222218 2000 EC_{174} 11 1.9 288°.39 6°.3/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.43	− 4 0.4	2.289	3.131	11.7	19.9
10 8	2 48.27	− 4 41.3	2.204	3.108	9.3	19.7
10 18	2 41.29	− 5 16.8	2.142	3.085	7.2	19.5
10 28	2 33.05	− 5 41.8	2.108	3.062	6.3	19.4
11 7	2 24.35	− 5 51.5	2.102	3.039	7.3	19.5
11 17	2 16.02	− 5 43.1	2.122	3.015	9.6	19.6
11 27	2 8.88	− 5 15.4	2.169	2.992	12.3	19.7
12 7	2 3.56	− 4 29.6	2.237	2.969	14.7	19.8

232213 2002 GT_{168} 11 1.9 189°.25 1°.9/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.85	+21 38.2	1.948	2.766	14.3	20.9
10 8	2 50.40	+21 30.3	1.868	2.766	11.0	20.7
10 18	2 42.72	+21 8.6	1.810	2.765	7.3	20.4
10 28	2 33.54	+20 34.3	1.779	2.764	3.4	20.2
11 7	2 23.87	+19 50.3	1.777	2.763	2.5	20.1
11 17	2 14.83	+19 1.8	1.803	2.761	6.3	20.4
11 27	2 7.40	+18 14.8	1.857	2.759	10.1	20.6
12 7	2 2.27	+17 35.0	1.934	2.757	13.5	20.8

449743 2014 NM_{60} 11 1.9 52°.54 9°.4/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.89	−11 29.3	1.984	2.822	13.3	20.3
10 8	2 47.02	−12 47.9	1.950	2.837	11.2	20.2
10 18	2 40.38	−13 53.1	1.939	2.852	9.7	20.2
10 28	2 32.70	−14 37.8	1.954	2.867	9.5	20.2
11 7	2 24.86	−14 57.5	1.993	2.883	10.4	20.3
11 17	2 17.74	−14 50.5	2.056	2.899	12.2	20.4
11 27	2 12.07	−14 17.9	2.141	2.914	14.1	20.6
12 7	2 8.34	−13 23.3	2.246	2.930	15.9	20.8

330628 2008 EW_{77} 11 1.9 73°.13 3°.8/30.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 55.93	+ 9 30.6	1.388	2.251	16.6	20.8
10 8	2 50.65	+ 8 20.9	1.343	2.270	12.3	20.6
10 18	2 42.85	+ 7 5.4	1.320	2.289	7.6	20.3
10 28	2 33.54	+ 5 51.6	1.323	2.309	4.0	20.2
11 7	2 24.02	+ 4 47.9	1.352	2.328	5.5	20.3
11 17	2 15.57	+ 4 1.0	1.407	2.347	9.7	20.6
11 27	2 9.20	+ 3 35.1	1.486	2.366	13.7	20.9
12 7	2 5.49	+ 3 30.9	1.586	2.385	17.1	21.2

210634 2000 FM_{47} 11 1.9 182°.82 2°.9/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.12	+ 6 53.0	2.544	3.383	10.7	21.8
10 8	2 47.73	+ 6 5.4	2.470	3.384	8.0	21.7
10 18	2 40.79	+ 5 15.4	2.421	3.384	5.1	21.5
10 28	2 32.86	+ 4 26.9	2.402	3.384	3.0	21.4
11 7	2 24.65	+ 3 44.3	2.412	3.383	4.0	21.4
11 17	2 16.90	+ 3 11.1	2.453	3.381	6.8	21.6
11 27	2 10.30	+ 2 50.3	2.521	3.379	9.6	21.8
12 7	2 5.32	+ 2 43.0	2.613	3.376	12.1	22.0

21477 Terikdaly 11 1.9 174°.40 4°.3/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.39	+ 5 32.4	2.017	2.868	12.6	19.3
10 8	2 48.27	+ 4 18.1	1.951	2.870	9.5	19.1
10 18	2 41.25	+ 3 1.2	1.909	2.872	6.3	18.9
10 28	2 33.03	+ 1 47.9	1.895	2.873	4.4	18.8
11 7	2 24.50	+ 0 44.7	1.910	2.874	5.7	18.9
11 17	2 16.57	− 0 3.2	1.954	2.874	8.7	19.0
11 27	2 10.06	− 0 32.4	2.023	2.874	11.9	19.2
12 7	2 5.53	− 0 41.9	2.114	2.874	14.6	19.4

330855 2009 QH_{1} 11 1.9 32°.90 1°.9/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.30	+16 7.9	0.999	1.880	20.1	20.0
10 8	2 47.95	+14 49.3	0.962	1.898	14.9	19.7
10 18	2 41.47	+13 13.9	0.943	1.917	9.0	19.5
10 28	2 33.12	+11 31.2	0.947	1.938	3.0	19.2
11 7	2 24.53	+ 9 53.7	0.974	1.959	4.4	19.4
11 17	2 17.27	+ 8 32.6	1.025	1.982	10.0	19.8
11 27	2 12.52	+ 7 36.1	1.099	2.006	15.0	20.2
12 7	2 10.85	+ 7 6.6	1.191	2.030	19.1	20.5

320497 2007 WB_{45} 11 1.9 49°.42 6°.4/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.68	+29 12.5	1.252	2.071	20.6	20.2
10 8	2 53.74	+29 44.6	1.190	2.079	16.7	20.0
10 18	2 45.32	+29 51.5	1.147	2.086	12.3	19.7
10 28	2 34.50	+29 30.0	1.125	2.094	8.1	19.5
11 7	2 22.98	+28 41.9	1.126	2.102	6.5	19.5
11 17	2 12.59	+27 34.6	1.153	2.111	9.1	19.6
11 27	2 4.89	+26 19.8	1.204	2.119	13.2	19.9
12 7	2 0.73	+25 9.3	1.276	2.128	17.2	20.2

320044 2007 DL_{116} 11 1.9 340°.62 3°.5/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.14	+ 7 4.3	2.150	3.003	11.9	20.0
10 8	2 45.78	+ 5 59.6	2.081	3.002	8.9	19.8
10 18	2 39.70	+ 4 51.6	2.036	3.002	5.7	19.6
10 28	2 32.52	+ 3 45.4	2.020	3.001	3.6	19.5
11 7	2 25.04	+ 2 46.9	2.032	3.001	4.8	19.5
11 17	2 18.07	+ 2 0.9	2.072	3.000	7.8	19.7
11 27	2 12.38	+ 1 30.8	2.139	3.000	10.9	19.9
12 7	2 8.48	+ 1 18.0	2.228	3.000	13.6	20.1

364492 2007 EX_{1} 11 1.9 115°.59 2°.2/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.43	+ 9 57.3	2.354	3.197	11.3	21.6
10 8	2 46.54	+ 9 10.5	2.290	3.207	8.4	21.4
10 18	2 40.08	+ 8 19.3	2.250	3.216	5.2	21.2
10 28	2 32.63	+ 7 27.9	2.239	3.226	2.4	21.1
11 7	2 24.96	+ 6 40.5	2.257	3.235	3.4	21.1
11 17	2 17.82	+ 6 1.3	2.305	3.244	6.5	21.4
11 27	2 11.89	+ 5 33.5	2.380	3.252	9.5	21.6
12 7	2 7.67	+ 5 19.1	2.479	3.261	12.1	21.8

7184 1991 RB_{25} 11 1.9 53°.92 2°.6/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.62	+ 8 26.6	1.579	2.433	15.4	16.8
10 8	2 51.90	+ 8 18.6	1.519	2.440	11.5	16.6
10 18	2 43.69	+ 8 7.9	1.480	2.448	7.1	16.3
10 28	2 33.88	+ 7 58.2	1.468	2.456	3.2	16.1
11 7	2 23.66	+ 7 53.6	1.483	2.464	4.2	16.2
11 17	2 14.27	+ 7 57.4	1.525	2.472	8.4	16.5
11 27	2 6.79	+ 8 12.5	1.593	2.481	12.4	16.7
12 7	2 1.89	+ 8 39.9	1.683	2.489	15.9	17.0

66814 1999 UX_{12} 11 1.9 329°.13 1°.4/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.64	+20 6.2	1.527	2.370	16.3	18.8
10 8	2 48.59	+19 50.0	1.448	2.362	12.6	18.5
10 18	2 41.89	+19 18.0	1.391	2.354	8.1	18.2
10 28	2 33.35	+18 31.9	1.358	2.346	3.3	17.9
11 7	2 24.17	+17 36.5	1.351	2.339	2.6	17.9
11 17	2 15.66	+16 38.5	1.371	2.332	7.4	18.2
11 27	2 9.05	+15 45.9	1.416	2.326	12.1	18.4
12 7	2 5.11	+15 5.2	1.483	2.320	16.1	18.7

485968 2012 HB_{75} 11 1.9 199°.30 0°.3/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 50.77	+15 44.2	2.637	3.466	10.7	22.1
10 8	2 46.03	+15 12.3	2.555	3.464	8.0	21.9
10 18	2 39.79	+14 32.9	2.498	3.462	4.9	21.7
10 28	2 32.56	+13 48.3	2.469	3.459	1.6	21.5
11 7	2 25.04	+13 1.9	2.470	3.456	1.9	21.5
11 17	2 17.93	+12 17.7	2.502	3.453	5.2	21.7
11 27	2 11.91	+11 39.5	2.562	3.450	8.3	21.9
12 7	2 7.46	+11 10.3	2.647	3.447	10.9	22.1

225280 1993 FL_{17} 11 1.9 162°.80 1°.2/ 1.1 16

9 28	2 58.32	+12 52.6	1.953	2.788	13.6	21.7
10 8	2 52.07	+12 31.1	1.881	2.794	10.2	21.5
10 18	2 43.67	+12 2.7	1.834	2.799	6.2	21.2
10 28	2 33.87	+11 30.4	1.814	2.804	2.1	21.0
11 7	2 23.70	+10 58.2	1.824	2.808	2.9	21.0
11 17	2 14.19	+10 30.6	1.862	2.811	6.9	21.3
11 27	2 6.30	+10 11.7	1.929	2.814	10.7	21.5
12 7	2 0.66	+10 4.3	2.019	2.816	13.9	21.8

98346 2000 SW_{304} 11 1.9 244°.69 4°.9/ 4.6 18 R

9 28	2 59.71	+26 12.2	1.500	2.314	18.0	19.7
10 8	2 54.24	+26 41.6	1.419	2.308	14.5	19.5
10 18	2 45.60	+26 52.3	1.358	2.301	10.4	19.2
10 28	2 34.66	+26 41.6	1.320	2.295	6.3	19.0
11 7	2 22.83	+26 10.3	1.308	2.288	5.0	18.9
11 17	2 11.72	+25 23.5	1.323	2.280	8.2	19.1
11 27	2 2.84	+24 29.9	1.364	2.273	12.5	19.3
12 7	1 57.15	+23 39.0	1.426	2.266	16.5	19.5

286763 2002 HG_{10} 11 1.9 119°.95 2°.2/30.6 16

9 28	2 55.35	+14 45.3	2.106	2.939	12.9	21.4
10 8	2 49.50	+12 49.3	2.044	2.957	9.5	21.2
10 18	2 41.88	+10 42.3	2.008	2.974	5.7	21.0
10 28	2 33.23	+ 8 31.4	2.003	2.991	2.4	20.9
11 7	2 24.45	+ 6 25.1	2.030	3.007	3.8	21.0
11 17	2 16.42	+ 4 31.6	2.088	3.023	7.3	21.2
11 27	2 9.88	+ 2 57.1	2.175	3.038	10.7	21.5
12 7	2 5.32	+ 1 44.7	2.286	3.052	13.5	21.7

184822 2005 TK_{167} 11 1.9 202°.01 0°.4/ 2.2 18

9 28	2 53.96	+17 6.7	2.251	3.078	12.3	20.8
10 8	2 48.70	+16 58.7	2.170	3.076	9.3	20.6
10 18	2 41.57	+16 42.1	2.113	3.075	5.9	20.4
10 28	2 33.19	+16 18.5	2.083	3.073	2.1	20.2
11 7	2 24.42	+15 50.6	2.083	3.071	1.9	20.2
11 17	2 16.13	+15 22.3	2.113	3.068	5.7	20.4
11 27	2 9.17	+14 57.6	2.170	3.066	9.2	20.6
12 7	2 4.13	+14 40.3	2.252	3.063	12.2	20.8

50191 2000 AQ_{193} 11 1.9 190°.69 3°.2/29.9 18

9 28	2 52.37	+ 8 29.5	2.148	2.995	12.1	19.3
10 8	2 47.46	+ 7 18.2	2.075	2.995	9.0	19.1
10 18	2 40.76	+ 6 2.0	2.028	2.993	5.7	18.9
10 28	2 32.91	+ 4 46.0	2.008	2.992	3.3	18.7
11 7	2 24.74	+ 3 36.6	2.018	2.990	4.6	18.8
11 17	2 17.11	+ 2 39.1	2.057	2.987	7.8	19.0
11 27	2 10.79	+ 1 57.7	2.123	2.984	11.0	19.2
12 7	2 6.35	+ 1 34.2	2.211	2.981	13.8	19.4

23529 1993 FR_{45} 11 1.9 333°.73 8°.6/25.3 18

9 28	2 46.26	+ 2 52.3	1.271	2.158	16.2	18.2
10 8	2 44.02	+ 0 19.7	1.205	2.140	12.6	17.9
10 18	2 39.15	− 2 19.8	1.161	2.123	9.5	17.7
10 28	2 32.47	− 4 51.3	1.142	2.107	8.7	17.6
11 7	2 25.17	− 6 59.7	1.148	2.093	11.1	17.7
11 17	2 18.54	− 8 33.1	1.177	2.079	14.9	17.9
11 27	2 13.78	− 9 25.6	1.226	2.067	18.7	18.1
12 7	2 11.67	− 9 38.4	1.291	2.055	22.0	18.3

329050 2011 AO_{53} 11 1.9 265°.44 7°.5/25.6 17

9 28	2 51.99	− 9 19.9	2.461	3.294	11.2	20.4
10 8	2 47.04	−10 20.4	2.390	3.279	9.4	20.3
10 18	2 40.47	−11 12.6	2.344	3.264	7.9	20.2
10 28	2 32.82	−11 50.8	2.324	3.248	7.6	20.1
11 7	2 24.83	−12 10.5	2.331	3.233	8.6	20.2
11 17	2 17.24	−12 8.8	2.364	3.217	10.4	20.3
11 27	2 10.80	−11 45.4	2.421	3.202	12.4	20.4
12 7	2 6.01	−11 2.0	2.498	3.186	14.4	20.5

355984 2009 AM_{44} 11 1.9 344°.91 3°.7/30.1 18

9 28	2 51.98	+ 8 12.4	1.673	2.534	14.3	20.9
10 8	2 47.64	+ 7 12.7	1.606	2.532	10.7	20.7
10 18	2 41.08	+ 6 7.8	1.562	2.530	6.8	20.5
10 28	2 33.05	+ 5 3.9	1.544	2.528	3.9	20.3
11 7	2 24.61	+ 4 8.1	1.552	2.527	5.3	20.4
11 17	2 16.82	+ 3 26.3	1.588	2.525	9.0	20.6
11 27	2 10.68	+ 3 2.9	1.649	2.524	12.8	20.9
12 7	2 6.83	+ 2 59.2	1.731	2.523	16.1	21.1

207203 2005 EN_{62} 11 1.9 79°.25 3°.2/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 57.81	+24 29.3	1.807	2.617	15.6	20.6
10 8	2 51.87	+24 36.7	1.748	2.638	12.1	20.4
10 18	2 43.60	+24 28.1	1.711	2.658	8.3	20.3
10 28	2 33.86	+24 3.6	1.700	2.679	4.5	20.1
11 7	2 23.82	+23 26.2	1.716	2.699	3.4	20.1
11 17	2 14.65	+22 41.1	1.761	2.719	6.4	20.3
11 27	2 7.35	+21 54.9	1.833	2.739	10.0	20.6
12 7	2 2.53	+21 13.9	1.929	2.758	13.2	20.8

40217 1998 SM_{87} 11 1.9 94°.85 0°.2/ 1.7 18

9 28	2 51.13	+17 9.2	2.272	3.104	12.1	19.0
10 8	2 46.45	+16 26.4	2.202	3.112	9.0	18.8
10 18	2 40.10	+15 33.9	2.156	3.120	5.6	18.6
10 28	2 32.69	+14 34.7	2.139	3.129	1.8	18.4
11 7	2 25.02	+13 33.4	2.150	3.137	2.0	18.4
11 17	2 17.91	+12 34.9	2.192	3.145	5.7	18.6
11 27	2 12.09	+11 44.1	2.261	3.154	9.0	18.9
12 7	2 8.06	+11 4.6	2.355	3.162	11.9	19.1

48747 1997 GD_2 11 1.9 6°.21 2°.8/31.2 18

9 28	2 48.84	+13 18.0	1.023	1.910	19.2	18.5
10 8	2 46.38	+12 13.3	0.970	1.910	14.3	18.2
10 18	2 40.76	+10 54.2	0.936	1.911	8.8	18.0
10 28	2 33.02	+ 9 29.1	0.923	1.913	3.5	17.7
11 7	2 24.73	+ 8 9.3	0.934	1.917	5.2	17.8
11 17	2 17.48	+ 7 5.6	0.968	1.923	10.7	18.1
11 27	2 12.62	+ 6 25.8	1.023	1.930	15.9	18.4
12 7	2 10.91	+ 6 12.5	1.096	1.938	20.2	18.7

304299 2006 SL_{101} 11 1.9 352°.66 1°.6/ 3.1 18

9 28	2 53.04	+21 13.7	1.792	2.622	14.9	20.5
10 8	2 48.48	+20 55.5	1.715	2.621	11.5	20.3
10 18	2 41.64	+20 22.5	1.661	2.620	7.5	20.0
10 28	2 33.27	+19 36.3	1.632	2.619	3.2	19.8
11 7	2 24.44	+18 41.3	1.631	2.618	2.4	19.7
11 17	2 16.25	+17 43.1	1.658	2.618	6.5	20.0
11 27	2 9.73	+16 48.9	1.712	2.618	10.6	20.2
12 7	2 5.55	+16 4.3	1.788	2.618	14.1	20.5

47639 2000 CT_{29} 11 1.9 192°.26 0°.6/ 1.3 18

9 28	2 51.07	+14 17.3	2.822	3.650	10.1	19.6
10 8	2 46.17	+13 49.7	2.739	3.649	7.5	19.4
10 18	2 39.85	+13 16.0	2.682	3.647	4.6	19.3
10 28	2 32.63	+12 38.5	2.654	3.644	1.5	19.0
11 7	2 25.12	+12 0.3	2.657	3.642	2.0	19.1
11 17	2 17.99	+11 24.6	2.689	3.639	5.0	19.3
11 27	2 11.88	+10 54.9	2.751	3.636	7.9	19.5
12 7	2 7.24	+10 33.6	2.838	3.632	10.4	19.6

14959 TRIUMF 11 1.9 32°.84 3°.0/31.1 18

9 28	2 52.36	+12 10.3	1.100	1.979	18.8	17.2
10 8	2 48.55	+11 7.4	1.061	1.996	13.9	17.0
10 18	2 41.81	+ 9 54.7	1.041	2.014	8.4	16.8
10 28	2 33.30	+ 8 40.3	1.044	2.034	3.5	16.6
11 7	2 24.54	+ 7 34.1	1.072	2.054	5.1	16.7
11 17	2 16.98	+ 6 44.3	1.124	2.076	10.1	17.1
11 27	2 11.78	+ 6 16.3	1.198	2.098	14.7	17.4
12 7	2 9.52	+ 6 11.4	1.292	2.121	18.5	17.7

327604 2006 EP_{17} 11 1.9 143°.56 2°.3/30.6 18

9 28	2 50.10	+ 9 46.4	2.410	3.255	11.0	21.1
10 8	2 45.61	+ 8 54.2	2.339	3.257	8.2	20.9
10 18	2 39.57	+ 7 57.4	2.292	3.259	5.1	20.7
10 28	2 32.54	+ 7 0.1	2.274	3.261	2.5	20.5
11 7	2 25.25	+ 6 7.0	2.286	3.263	3.5	20.6
11 17	2 18.43	+ 5 22.3	2.327	3.264	6.5	20.8
11 27	2 12.75	+ 4 49.5	2.395	3.266	9.5	21.0
12 7	2 8.71	+ 4 30.5	2.487	3.267	12.1	21.2

154913 2004 SF_6 11 1.9 335°.43 0°.0/ 1.7 18

9 28	2 51.47	+16 46.1	1.934	2.775	13.5	20.3
10 8	2 47.14	+16 22.8	1.856	2.770	10.2	20.1
10 18	2 40.76	+15 49.2	1.800	2.765	6.4	19.9
10 28	2 32.99	+15 7.7	1.770	2.760	2.1	19.6
11 7	2 24.78	+14 22.7	1.769	2.756	2.2	19.6
11 17	2 17.11	+13 39.0	1.796	2.752	6.5	19.9
11 27	2 10.90	+13 2.2	1.849	2.748	10.3	20.1
12 7	2 6.80	+12 36.2	1.926	2.745	13.7	20.3

324231 2006 BA_{111} 11 1.9 211°.57 4°.7/28.6 18

9 28	2 51.27	+ 1 8.9	2.395	3.242	11.0	20.6
10 8	2 46.49	+ 0 17.6	2.326	3.240	8.4	20.5
10 18	2 40.12	− 0 31.9	2.282	3.237	6.0	20.3
10 28	2 32.74	− 1 15.1	2.266	3.235	4.7	20.2
11 7	2 25.07	− 1 47.3	2.279	3.232	5.7	20.3
11 17	2 17.86	− 2 5.3	2.320	3.230	8.1	20.4
11 27	2 11.81	− 2 7.3	2.387	3.227	10.7	20.6
12 7	2 7.41	− 1 53.1	2.477	3.224	13.0	20.8

225725 2001 RY_{99} 11 1.9 42°.54 0°.6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 57.05	+17 9.9	1.213	2.071	18.8	19.8
10 8	2 52.05	+17 7.5	1.165	2.087	14.2	19.5
10 18	2 44.02	+16 51.5	1.138	2.105	8.9	19.3
10 28	2 34.08	+16 24.5	1.133	2.123	3.1	19.0
11 7	2 23.78	+15 51.6	1.154	2.142	2.8	19.1
11 17	2 14.65	+15 19.6	1.200	2.161	8.3	19.4
11 27	2 7.97	+14 55.2	1.270	2.181	13.1	19.8
12 7	2 4.39	+14 43.3	1.361	2.201	17.1	20.1

180307 2003 WA_{162} 11 1.9 253°.26 0°.3/ 1.7 18

9 28	2 56.28	+16 17.4	1.513	2.360	16.3	21.2
10 8	2 51.33	+15 49.7	1.434	2.352	12.4	21.0
10 18	2 43.64	+15 9.1	1.377	2.344	7.7	20.7
10 28	2 34.03	+14 18.7	1.346	2.336	2.5	20.4
11 7	2 23.75	+13 23.9	1.341	2.328	2.9	20.4
11 17	2 14.17	+12 31.9	1.363	2.319	8.1	20.7
11 27	2 6.55	+11 49.9	1.411	2.311	12.8	20.9
12 7	2 1.71	+11 23.0	1.480	2.302	16.9	21.2

201001 2002 CL_{168} 11 1.9 186°.10 7°.3/26.9 18

9 28	2 54.75	− 4 24.2	2.048	2.892	12.7	20.6
10 8	2 49.29	− 5 38.9	1.988	2.892	10.2	20.5
10 18	2 41.93	− 6 47.7	1.953	2.892	8.0	20.3
10 28	2 33.37	− 7 43.5	1.944	2.891	7.3	20.3
11 7	2 24.49	− 8 20.6	1.962	2.889	8.4	20.4
11 17	2 16.20	− 8 35.4	2.007	2.887	10.7	20.5
11 27	2 9.34	− 8 26.9	2.077	2.885	13.3	20.7
12 7	2 4.47	− 7 56.8	2.166	2.882	15.6	20.8

260683 2005 JU_{65} 11 1.9 235°.21 3°.7/ 4.2 18

9 28	2 58.68	+24 40.9	1.599	2.416	17.0	20.6
10 8	2 53.24	+24 53.4	1.516	2.409	13.5	20.4
10 18	2 44.89	+24 48.2	1.454	2.402	9.4	20.1
10 28	2 34.48	+24 24.2	1.416	2.395	5.2	19.9
11 7	2 23.28	+23 43.3	1.405	2.388	4.0	19.8
11 17	2 12.77	+22 51.0	1.421	2.380	7.5	20.0
11 27	2 4.30	+21 55.7	1.463	2.371	11.9	20.2
12 7	1 58.75	+21 5.6	1.528	2.363	15.8	20.4

408012 2012 EA_{3} 11 1.9 111°.54 1°.4/31.6 18

9 28	2 50.62	+13 19.1	2.292	3.133	11.7	21.0
10 8	2 46.10	+12 28.8	2.221	3.137	8.7	20.8
10 18	2 39.92	+11 31.1	2.174	3.141	5.3	20.6
10 28	2 32.69	+10 30.1	2.155	3.144	1.9	20.4
11 7	2 25.20	+ 9 30.3	2.165	3.148	2.8	20.5
11 17	2 18.21	+ 8 36.6	2.205	3.152	6.2	20.7
11 27	2 12.46	+ 7 53.4	2.273	3.155	9.5	20.9
12 7	2 8.44	+ 7 23.4	2.364	3.159	12.2	21.1

287713 2003 QB_{87} 11 1.9 34°.15 6°.2/27.3 18

9 28	2 49.64	+ 0 3.5	1.976	2.835	12.5	19.8
10 8	2 45.51	− 1 22.4	1.923	2.841	9.7	19.6
10 18	2 39.60	− 2 45.7	1.894	2.847	7.2	19.5
10 28	2 32.59	− 3 59.1	1.893	2.854	6.2	19.4
11 7	2 25.32	− 4 56.4	1.918	2.861	7.5	19.5
11 17	2 18.65	− 5 33.0	1.970	2.868	10.0	19.7
11 27	2 13.34	− 5 47.1	2.046	2.876	12.6	19.9
12 7	2 9.90	− 5 39.4	2.142	2.883	15.0	20.1

175010 2004 EK_{86} 11 1.9 328°.41 3°.7/30.3 18

9 28	2 52.19	+ 7 33.5	1.695	2.555	14.2	20.1
10 8	2 47.85	+ 6 46.2	1.623	2.549	10.6	19.9
10 18	2 41.28	+ 5 55.0	1.575	2.542	6.8	19.6
10 28	2 33.20	+ 5 5.2	1.552	2.536	3.8	19.4
11 7	2 24.65	+ 4 23.2	1.556	2.531	5.2	19.5
11 17	2 16.71	+ 3 54.4	1.587	2.525	8.9	19.7
11 27	2 10.38	+ 3 42.5	1.643	2.520	12.7	19.9
12 7	2 6.34	+ 3 48.9	1.720	2.516	16.1	20.2

96621 1999 CV_{120} 11 1.9 301°.01 2°.7/31.1 17

9 28	2 54.68	+ 6 30.1	2.201	3.044	12.0	19.3
10 8	2 49.33	+ 6 25.0	2.114	3.030	9.0	19.0
10 18	2 42.06	+ 6 19.4	2.051	3.016	5.8	18.8
10 28	2 33.46	+ 6 16.1	2.016	3.001	3.0	18.6
11 7	2 24.36	+ 6 18.1	2.010	2.988	3.8	18.6
11 17	2 15.67	+ 6 28.0	2.034	2.974	7.1	18.8
11 27	2 8.26	+ 6 47.7	2.084	2.960	10.5	19.0
12 7	2 2.76	+ 7 18.2	2.159	2.947	13.5	19.2

499236 2009 UO_{129} 11 1.9 15°.38 4°.8/ 5.9 17

9 28	2 50.46	+34 42.2	0.917	1.753	25.2	20.1
10 8	2 48.30	+32 58.2	0.855	1.755	20.4	19.8
10 18	2 42.20	+30 19.6	0.809	1.758	14.6	19.5
10 28	2 33.56	+26 49.1	0.783	1.762	8.3	19.2
11 7	2 24.42	+22 43.7	0.781	1.767	4.9	19.0
11 17	2 16.79	+18 31.3	0.804	1.772	9.5	19.3
11 27	2 12.19	+14 41.5	0.851	1.779	15.7	19.7
12 7	2 11.28	+11 34.0	0.919	1.787	21.0	20.0

453769 2011 FU_{140} 11 1.9 283°.10 0°.8/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 55.65	+16 57.4	2.391	3.211	11.9	21.5
10 8	2 50.11	+17 12.4	2.288	3.190	9.1	21.3
10 18	2 42.60	+17 20.8	2.209	3.168	5.8	21.1
10 28	2 33.67	+17 22.7	2.158	3.146	2.3	20.8
11 7	2 24.12	+17 19.8	2.137	3.124	1.9	20.8
11 17	2 14.86	+17 14.3	2.146	3.102	5.6	21.0
11 27	2 6.78	+17 9.7	2.184	3.079	9.2	21.2
12 7	2 0.59	+17 9.2	2.246	3.057	12.3	21.3

366988 2005 YX_{47} 11 1.9 57°.36 5°.5/28.5 18

9 28	2 52.33	− 0 33.2	2.142	2.992	12.0	20.5
10 8	2 47.40	− 1 21.1	2.081	2.995	9.3	20.3
10 18	2 40.74	− 2 5.4	2.045	2.997	6.8	20.1
10 28	2 32.98	− 2 40.9	2.035	3.000	5.5	20.1
11 7	2 24.93	− 3 2.8	2.054	3.003	6.5	20.1
11 17	2 17.44	− 3 8.3	2.099	3.006	9.0	20.3
11 27	2 11.26	− 2 56.0	2.170	3.009	11.7	20.5
12 7	2 6.93	− 2 26.8	2.263	3.012	14.1	20.7

234745 2002 NP_{17} 11 1.9 84°.40 8°.0/27.7 18

9 28	2 57.63	− 6 20.1	1.831	2.673	14.1	20.6
10 8	2 51.32	− 7 19.5	1.798	2.698	11.3	20.4
10 18	2 43.06	− 8 8.5	1.788	2.723	8.9	20.3
10 28	2 33.70	− 8 40.5	1.803	2.747	8.0	20.3
11 7	2 24.27	− 8 51.1	1.846	2.772	9.0	20.4
11 17	2 15.73	− 8 38.5	1.914	2.795	11.1	20.6
11 27	2 8.91	− 8 3.7	2.007	2.819	13.5	20.8
12 7	2 4.28	− 7 10.0	2.120	2.842	15.7	21.1

324191 2006 AX_{65} 11 1.9 236°.08 2°.3/ 4.1 17

9 28	2 53.12	+24 10.1	2.638	3.436	11.6	21.6
10 8	2 48.00	+24 6.7	2.542	3.425	9.1	21.4
10 18	2 41.16	+23 51.6	2.469	3.414	6.2	21.2
10 28	2 33.15	+23 24.9	2.424	3.403	3.4	21.0
11 7	2 24.72	+22 48.6	2.409	3.391	2.5	20.9
11 17	2 16.66	+22 6.0	2.423	3.380	5.0	21.1
11 27	2 9.74	+21 21.6	2.467	3.367	8.0	21.3
12 7	2 4.56	+20 40.2	2.536	3.355	10.8	21.4

123904 2001 DZ_{75} 11 1.9 323°.70 1°.1/ 1.0 18

9 28	2 51.65	+13 15.6	2.061	2.905	12.7	20.0
10 8	2 47.13	+12 47.7	1.983	2.901	9.5	19.8
10 18	2 40.70	+12 12.6	1.929	2.896	5.8	19.6
10 28	2 33.00	+11 33.4	1.902	2.892	2.0	19.3
11 7	2 24.90	+10 54.4	1.903	2.888	2.7	19.4
11 17	2 17.30	+10 20.1	1.933	2.884	6.6	19.6
11 27	2 11.07	+ 9 54.7	1.990	2.881	10.2	19.8
12 7	2 6.79	+ 9 41.1	2.071	2.877	13.3	20.0

42695 1998 KM_{54} 11 1.9 157°.53 5°.5/28.7 18 R

9 28	2 55.21	+ 0 27.2	2.023	2.870	12.7	19.7
10 8	2 49.62	− 0 29.0	1.962	2.875	9.8	19.5
10 18	2 42.13	− 1 22.5	1.926	2.880	7.0	19.3
10 28	2 33.45	− 2 7.5	1.917	2.884	5.6	19.3
11 7	2 24.47	− 2 38.6	1.936	2.888	6.7	19.3
11 17	2 16.12	− 2 52.4	1.983	2.891	9.4	19.5
11 27	2 9.23	− 2 47.1	2.055	2.894	12.2	19.7
12 7	2 4.36	− 2 23.7	2.149	2.897	14.8	19.9

452774 2006 DL_{17} 11 1.9 242°.89 2°.5/30.7 17

9 28	2 51.63	+ 8 5.8	2.427	3.271	11.0	21.9
10 8	2 46.82	+ 7 30.7	2.346	3.263	8.2	21.7
10 18	2 40.39	+ 6 52.5	2.291	3.256	5.2	21.5
10 28	2 32.88	+ 6 14.9	2.263	3.248	2.7	21.3
11 7	2 25.02	+ 5 41.7	2.265	3.241	3.7	21.4
11 17	2 17.58	+ 5 16.7	2.296	3.233	6.7	21.6
11 27	2 11.27	+ 5 2.6	2.355	3.225	9.7	21.7
12 7	2 6.64	+ 5 1.2	2.437	3.217	12.3	21.9

169050 2001 FL_{88} 11 1.9 110°.61 0°.3/ 1.7 18

9 28	2 55.20	+15 32.2	1.826	2.665	14.3	20.7
10 8	2 49.96	+15 13.6	1.756	2.670	10.7	20.5
10 18	2 42.50	+14 45.5	1.709	2.674	6.6	20.3
10 28	2 33.61	+14 10.8	1.688	2.678	2.2	20.0
11 7	2 24.30	+13 33.6	1.695	2.682	2.4	20.1
11 17	2 15.66	+12 58.7	1.731	2.686	6.8	20.3
11 27	2 8.67	+12 31.4	1.794	2.690	10.8	20.6
12 7	2 3.97	+12 15.1	1.880	2.694	14.1	20.8

468734 2010 SY_{26} 11 1.9 68°.61 0°.5/ 2.2 16

9 28	2 59.46	+18 4.0	1.222	2.074	19.1	21.3
10 8	2 53.77	+17 41.8	1.177	2.096	14.4	21.1
10 18	2 45.03	+17 4.1	1.151	2.117	8.9	20.8
10 28	2 34.44	+16 14.5	1.149	2.139	3.1	20.6
11 7	2 23.58	+15 19.7	1.173	2.161	2.8	20.6
11 17	2 14.01	+14 27.8	1.223	2.182	8.3	21.0
11 27	2 6.96	+13 46.5	1.297	2.204	13.2	21.3
12 7	2 3.05	+13 20.7	1.392	2.225	17.2	21.7

518496 2005 YZ_{242} 11 1.9 200°.55 0°.7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 52.93	+13 24.2	2.536	3.367	11.0	22.0
10 8	2 47.75	+13 6.9	2.454	3.364	8.2	21.9
10 18	2 40.94	+12 43.8	2.397	3.362	5.0	21.7
10 28	2 33.07	+12 17.3	2.369	3.359	1.7	21.4
11 7	2 24.87	+11 50.2	2.370	3.355	2.2	21.5
11 17	2 17.08	+11 26.0	2.402	3.352	5.5	21.7
11 27	2 10.43	+11 7.8	2.462	3.348	8.7	21.9
12 7	2 5.45	+10 58.1	2.547	3.344	11.4	22.1

446372 2014 HO_{44} 11 1.9 94°.43 0°.5/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.63	+14 38.9	1.837	2.677	14.2	21.4
10 8	2 50.24	+14 24.4	1.769	2.684	10.6	21.2
10 18	2 42.66	+14 1.7	1.725	2.691	6.5	20.9
10 28	2 33.66	+13 33.3	1.708	2.698	2.1	20.7
11 7	2 24.29	+13 3.3	1.718	2.705	2.5	20.7
11 17	2 15.60	+12 36.0	1.758	2.712	6.8	21.0
11 27	2 8.56	+12 16.1	1.823	2.719	10.7	21.3
12 7	2 3.79	+12 6.8	1.913	2.725	14.0	21.5

412468 2014 HR_{22} 11 1.9 161°.78 5°.0/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.60	+ 1 54.2	2.300	3.147	11.4	21.8
10 8	2 47.49	+ 0 35.5	2.238	3.152	8.7	21.6
10 18	2 40.75	− 0 42.5	2.202	3.157	6.2	21.5
10 28	2 32.99	− 1 54.0	2.195	3.161	5.0	21.4
11 7	2 24.99	− 2 53.2	2.216	3.165	6.2	21.5
11 17	2 17.51	− 3 36.0	2.266	3.169	8.6	21.7
11 27	2 11.28	− 3 59.8	2.342	3.172	11.2	21.8
12 7	2 6.79	− 4 4.6	2.439	3.174	13.5	22.0

359972 2012 FF_{77} 11 1.9 293°.32 1°.9/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.85	+20 6.9	2.110	2.929	13.4	20.5
10 8	2 50.43	+20 27.9	2.023	2.921	10.3	20.3
10 18	2 42.86	+20 39.2	1.959	2.914	6.8	20.1
10 28	2 33.78	+20 40.6	1.922	2.906	3.2	19.9
11 7	2 24.13	+20 33.5	1.913	2.899	2.5	19.8
11 17	2 14.93	+20 20.7	1.934	2.892	6.0	20.0
11 27	2 7.17	+20 6.5	1.982	2.884	9.6	20.2
12 7	2 1.56	+19 55.4	2.055	2.877	12.8	20.4

404503 2013 HG_{36} 11 1.9 146°.28 2°.4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.02	+23 42.5	2.188	2.996	13.3	21.5
10 8	2 48.89	+23 38.8	2.109	2.999	10.4	21.3
10 18	2 41.79	+23 21.6	2.053	3.001	7.0	21.1
10 28	2 33.39	+22 51.4	2.023	3.003	3.7	20.9
11 7	2 24.58	+22 10.9	2.022	3.006	2.7	20.8
11 17	2 16.33	+21 24.4	2.049	3.008	5.6	21.0
11 27	2 9.51	+20 37.2	2.105	3.009	9.0	21.2
12 7	2 4.72	+19 54.9	2.186	3.011	12.1	21.4

103704 2000 CH_{82} 11 1.9 236°.34 6°.8/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.15	+ 0 14.6	1.687	2.543	14.4	19.8
10 8	2 50.07	− 1 3.2	1.618	2.535	11.2	19.6
10 18	2 42.67	− 2 19.5	1.573	2.527	8.2	19.4
10 28	2 33.71	− 3 26.0	1.553	2.519	6.8	19.3
11 7	2 24.25	− 4 15.2	1.561	2.510	8.3	19.3
11 17	2 15.44	− 4 41.5	1.594	2.500	11.4	19.5
11 27	2 8.30	− 4 42.5	1.651	2.491	14.7	19.7
12 7	2 3.53	− 4 19.2	1.728	2.481	17.7	19.9

97401 2000 AK_{124} 11 1.9 70°.92 10°.0/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.31	−16 16.0	2.281	3.100	12.5	18.8
10 8	2 46.58	−17 41.6	2.240	3.103	11.0	18.7
10 18	2 40.21	−18 52.7	2.223	3.106	10.1	18.6
10 28	2 32.82	−19 42.6	2.231	3.109	10.1	18.7
11 7	2 25.20	−20 6.8	2.263	3.113	11.0	18.7
11 17	2 18.16	−20 3.4	2.317	3.116	12.4	18.8
11 27	2 12.39	−19 33.6	2.393	3.120	14.0	19.0
12 7	2 8.39	−18 40.6	2.487	3.123	15.5	19.1

385296 2001 UA_{129} 11 1.9 4°.45 2°.1/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.63	+12 2.2	1.092	1.972	18.7	19.9
10 8	2 48.42	+11 39.2	1.035	1.971	14.1	19.6
10 18	2 42.06	+11 6.8	0.998	1.972	8.7	19.4
10 28	2 33.56	+10 30.3	0.983	1.973	3.2	19.1
11 7	2 24.43	+ 9 57.0	0.991	1.976	4.4	19.1
11 17	2 16.29	+ 9 33.8	1.023	1.981	9.9	19.5
11 27	2 10.52	+ 9 26.6	1.077	1.987	15.0	19.8
12 7	2 7.93	+ 9 37.7	1.150	1.994	19.3	20.1

331059 2009 WX_{8} 11 1.9 272°.39 1°.1/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.70	+22 4.3	2.431	3.245	11.9	20.8
10 8	2 46.29	+21 16.8	2.332	3.230	9.2	20.6
10 18	2 40.16	+20 15.2	2.258	3.214	6.0	20.4
10 28	2 32.86	+19 1.6	2.211	3.198	2.5	20.1
11 7	2 25.16	+17 40.1	2.194	3.182	1.8	20.0
11 17	2 17.88	+16 16.4	2.208	3.165	5.3	20.3
11 27	2 11.78	+14 56.6	2.250	3.149	8.8	20.4
12 7	2 7.44	+13 46.4	2.318	3.132	11.8	20.6

153595 2001 SW_{271} 11 1.9 35°.75 0°.9/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 55.91	+17 50.1	1.194	2.053	19.0	19.6
10 8	2 51.32	+17 47.0	1.145	2.067	14.3	19.4
10 18	2 43.66	+17 29.2	1.115	2.082	9.0	19.1
10 28	2 34.05	+16 59.4	1.108	2.098	3.3	18.9
11 7	2 24.03	+16 22.8	1.127	2.115	2.8	18.9
11 17	2 15.15	+15 46.4	1.170	2.132	8.3	19.3
11 27	2 8.71	+15 17.6	1.237	2.150	13.2	19.6
12 7	2 5.38	+15 1.5	1.325	2.169	17.2	19.9

384343 2009 TO_{12} 11 1.9 45°.87 4°.4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.92	+25 14.2	1.130	1.970	21.1	20.0
10 8	2 53.71	+25 28.7	1.089	1.994	16.5	19.8
10 18	2 45.15	+25 19.5	1.066	2.020	11.3	19.6
10 28	2 34.52	+24 46.6	1.066	2.046	6.3	19.4
11 7	2 23.62	+23 54.9	1.089	2.073	4.6	19.4
11 17	2 14.16	+22 53.3	1.137	2.100	8.4	19.7
11 27	2 7.47	+21 52.8	1.209	2.127	13.0	20.0
12 7	2 4.19	+21 2.0	1.302	2.155	16.9	20.3

395204 2010 GM_{160} 11 1.9 176°.46 3°.7/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.36	+ 6 37.9	2.263	3.108	11.7	22.2
10 8	2 48.13	+ 5 24.2	2.193	3.110	8.7	22.1
10 18	2 41.19	+ 4 7.1	2.149	3.112	5.7	21.9
10 28	2 33.18	+ 2 52.1	2.134	3.113	3.7	21.8
11 7	2 24.88	+ 1 45.2	2.148	3.114	4.9	21.8
11 17	2 17.11	+ 0 51.3	2.191	3.114	7.8	22.0
11 27	2 10.62	+ 0 14.0	2.262	3.113	10.8	22.2
12 7	2 5.92	− 0 5.5	2.355	3.112	13.4	22.4

173444 2000 LG_{3} 11 1.9 51°.92 18°.7/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 13.31	+59 51.1	1.236	1.873	29.5	18.5
10 8	3 7.22	+61 22.1	1.204	1.904	27.2	18.4
10 18	2 54.66	+62 4.6	1.180	1.936	24.8	18.3
10 28	2 37.80	+61 46.4	1.167	1.968	22.4	18.3
11 7	2 20.48	+60 23.0	1.169	2.000	20.3	18.3
11 17	2 6.41	+58 1.3	1.187	2.033	19.0	18.3
11 27	1 57.81	+54 59.0	1.225	2.066	18.7	18.4
12 7	1 55.03	+51 38.3	1.284	2.099	19.4	18.5

312886 2011 UK_{252} 11 1.9 88°.30 4°.0/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.32	+ 3 32.7	1.985	2.829	13.1	20.2
10 8	2 51.12	+ 3 9.4	1.933	2.848	9.8	20.0
10 18	2 43.02	+ 2 47.7	1.906	2.867	6.5	19.9
10 28	2 33.78	+ 2 31.7	1.906	2.885	4.1	19.8
11 7	2 24.35	+ 2 25.1	1.935	2.904	5.1	19.9
11 17	2 15.66	+ 2 30.3	1.993	2.922	8.1	20.1
11 27	2 8.53	+ 2 48.9	2.077	2.940	11.1	20.3
12 7	2 3.49	+ 3 20.3	2.184	2.957	13.8	20.5

155483 1998 UC_{27} 11 1.9 32°.26 3°.6/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.87	+ 7 38.7	1.504	2.369	15.4	18.9
10 8	2 48.25	+ 6 59.8	1.466	2.393	11.4	18.7
10 18	2 41.39	+ 6 18.7	1.450	2.419	7.1	18.5
10 28	2 33.24	+ 5 41.2	1.459	2.445	3.8	18.4
11 7	2 24.94	+ 5 12.7	1.495	2.472	5.0	18.6
11 17	2 17.57	+ 4 57.6	1.558	2.500	8.7	18.8
11 27	2 12.05	+ 4 58.2	1.644	2.528	12.3	19.1
12 7	2 8.89	+ 5 14.8	1.753	2.557	15.4	19.4

342751 2008 WW_{67} 11 1.9 316°.79 0°.3/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.87	+16 11.6	1.631	2.478	15.3	21.1
10 8	2 49.31	+15 43.0	1.556	2.474	11.6	20.8
10 18	2 42.31	+15 2.6	1.503	2.470	7.2	20.6
10 28	2 33.64	+14 13.5	1.475	2.466	2.4	20.3
11 7	2 24.44	+13 21.1	1.475	2.462	2.7	20.3
11 17	2 15.90	+12 31.7	1.502	2.458	7.5	20.6
11 27	2 9.13	+11 51.9	1.555	2.455	11.9	20.8
12 7	2 4.86	+11 25.9	1.630	2.452	15.6	21.1

15057 Whitson 11 1.9 317°.40 1°.0/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.66	+13 41.9	2.059	2.904	12.6	18.8
10 8	2 46.50	+13 13.5	1.974	2.891	9.5	18.6
10 18	2 40.40	+12 37.2	1.911	2.879	5.8	18.4
10 28	2 32.98	+11 56.2	1.876	2.866	2.0	18.1
11 7	2 25.09	+11 14.6	1.869	2.854	2.7	18.1
11 17	2 17.65	+10 37.1	1.891	2.843	6.6	18.4
11 27	2 11.52	+10 8.4	1.939	2.831	10.3	18.6
12 7	2 7.35	+ 9 51.7	2.010	2.820	13.5	18.7

178985 2001 QA_{288} 11 1.9 323°.33 10°.4/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.68	+ 4 47.5	1.022	1.911	19.1	19.2
10 8	2 49.22	+ 0 58.3	0.972	1.909	14.7	19.0
10 18	2 42.54	− 3 1.8	0.945	1.907	11.1	18.8
10 28	2 33.74	− 6 48.9	0.943	1.905	10.7	18.7
11 7	2 24.40	− 9 59.2	0.966	1.903	13.6	18.9
11 17	2 16.16	−12 17.1	1.012	1.902	17.9	19.2
11 27	2 10.37	−13 38.0	1.076	1.900	21.8	19.4
12 7	2 7.77	−14 6.8	1.154	1.899	25.1	19.7

196878 2003 SW_{304} 11 1.9 84.°95 3.°2/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 55.54	+25 17.9	2.332	3.127	13.0	20.3
10 8	2 49.91	+25 35.6	2.261	3.141	10.2	20.1
10 18	2 42.37	+25 40.4	2.213	3.154	7.1	19.9
10 28	2 33.61	+25 32.0	2.193	3.167	4.2	19.8
11 7	2 24.50	+25 12.0	2.201	3.180	3.3	19.7
11 17	2 15.97	+24 43.5	2.238	3.193	5.5	19.9
11 27	2 8.85	+24 11.3	2.304	3.206	8.4	20.1
12 7	2 3.72	+23 40.4	2.395	3.219	11.2	20.3

48339 2002 PC_{31} 11 1.9 337.°09 2.°2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.85	+22 37.5	1.941	2.765	14.1	18.4
10 8	2 46.85	+22 30.4	1.856	2.756	11.0	18.1
10 18	2 40.71	+22 9.0	1.793	2.747	7.4	17.9
10 28	2 33.11	+21 34.1	1.755	2.739	3.7	17.7
11 7	2 24.98	+20 48.8	1.745	2.731	2.6	17.6
11 17	2 17.37	+19 58.0	1.763	2.724	6.1	17.8
11 27	2 11.24	+19 7.9	1.808	2.717	9.9	18.0
12 7	2 7.28	+18 24.3	1.877	2.711	13.3	18.2

279007 2008 UP_{274} 11 1.9 226.°96 0.°5/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.27	+14 14.2	1.966	2.800	13.6	21.4
10 8	2 51.53	+14 7.1	1.881	2.793	10.3	21.2
10 18	2 43.57	+13 52.6	1.820	2.785	6.4	20.9
10 28	2 34.06	+13 32.6	1.786	2.777	2.1	20.6
11 7	2 24.00	+13 10.5	1.782	2.768	2.4	20.6
11 17	2 14.46	+12 50.2	1.806	2.759	6.7	20.9
11 27	2 6.45	+12 36.0	1.857	2.750	10.7	21.1
12 7	2 0.68	+12 31.2	1.933	2.740	14.1	21.3

271974 2005 BA_{9} 11 1.9 327.°45 6.°4/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.46	+32 9.7	1.971	2.750	15.6	20.7
10 8	2 49.90	+32 53.4	1.879	2.736	13.0	20.5
10 18	2 42.81	+33 19.1	1.808	2.724	10.1	20.3
10 28	2 33.87	+33 23.8	1.760	2.711	7.6	20.1
11 7	2 24.16	+33 6.7	1.739	2.699	6.4	20.0
11 17	2 14.90	+32 30.6	1.744	2.688	7.8	20.1
11 27	2 7.30	+31 41.6	1.775	2.677	10.5	20.3
12 7	2 2.23	+30 47.7	1.830	2.667	13.5	20.4

478536 2012 TP_{11} 11 1.9 345.°22 0.°0/ 2.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.00	+15 38.7	1.203	2.072	18.2	21.4
10 8	2 48.76	+15 41.0	1.132	2.061	13.9	21.1
10 18	2 42.39	+15 31.5	1.080	2.050	8.7	20.8
10 28	2 33.77	+15 12.4	1.051	2.041	3.0	20.5
11 7	2 24.30	+14 48.3	1.046	2.034	3.0	20.4
11 17	2 15.59	+14 25.5	1.065	2.027	8.8	20.8
11 27	2 9.11	+14 10.6	1.107	2.022	14.1	21.1
12 7	2 5.80	+14 8.7	1.168	2.019	18.6	21.3

132511 2002 JK_{42} 11 1.9 115.°87 0.°2/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.74	+15 22.6	2.089	2.917	13.1	20.3
10 8	2 51.47	+15 6.0	2.028	2.936	9.8	20.1
10 18	2 43.27	+14 41.4	1.992	2.955	6.0	19.9
10 28	2 33.89	+14 11.2	1.983	2.973	2.0	19.7
11 7	2 24.27	+13 39.0	2.003	2.990	2.2	19.7
11 17	2 15.36	+13 8.8	2.054	3.007	6.1	20.0
11 27	2 8.00	+12 44.8	2.133	3.023	9.6	20.3
12 7	2 2.73	+12 30.2	2.236	3.039	12.6	20.5

155689 2000 LV_{2} 11 1.9 70.°81 3.°7/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.09	+ 8 19.6	1.466	2.325	16.1	19.5
10 8	2 51.47	+ 7 28.6	1.423	2.347	11.9	19.3
10 18	2 43.42	+ 6 34.0	1.402	2.369	7.5	19.1
10 28	2 33.94	+ 5 42.1	1.406	2.391	3.9	19.0
11 7	2 24.28	+ 4 59.5	1.437	2.413	5.2	19.1
11 17	2 15.64	+ 4 31.5	1.495	2.435	9.2	19.4
11 27	2 9.03	+ 4 21.4	1.577	2.457	13.0	19.7
12 7	2 4.99	+ 4 29.5	1.681	2.478	16.3	20.0

221004 2005 NP_{95} 11 1.9 68.°25 2.°7/31.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.37	+10 39.6	1.349	2.209	17.2	20.5
10 8	2 52.61	+10 0.0	1.306	2.231	12.7	20.3
10 18	2 44.21	+ 9 14.1	1.284	2.253	7.8	20.1
10 28	2 34.22	+ 8 27.6	1.287	2.276	3.3	19.9
11 7	2 24.02	+ 7 47.3	1.317	2.298	4.5	20.0
11 17	2 14.97	+ 7 18.8	1.373	2.321	9.0	20.3
11 27	2 8.13	+ 7 6.4	1.453	2.343	13.3	20.6
12 7	2 4.09	+ 7 11.2	1.554	2.365	16.8	20.9

36173 1999 SN_{1} 11 1.9 174.°15 0.°0/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.95	+14 52.4	2.127	2.952	13.0	18.0
10 8	2 52.57	+15 0.3	2.049	2.955	9.8	17.7
10 18	2 44.10	+15 1.6	1.994	2.956	6.1	17.5
10 28	2 34.24	+14 57.4	1.968	2.958	2.1	17.3
11 7	2 23.91	+14 50.0	1.971	2.959	2.1	17.3
11 17	2 14.14	+14 42.4	2.005	2.959	6.1	17.5
11 27	2 5.87	+14 38.1	2.067	2.959	9.8	17.8
12 7	1 59.72	+14 40.2	2.153	2.959	12.9	18.0

327602 2006 DS_{214} 11 1.9 122.°88 4.°8/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 55.99	+31 6.0	2.534	3.298	12.9	21.2
10 8	2 50.29	+31 34.1	2.454	3.305	10.6	21.0
10 18	2 42.67	+31 47.2	2.396	3.311	8.0	20.9
10 28	2 33.75	+31 43.9	2.364	3.318	5.7	20.7
11 7	2 24.41	+31 24.8	2.361	3.324	4.8	20.7
11 17	2 15.57	+30 52.5	2.386	3.330	6.0	20.8
11 27	2 8.09	+30 11.8	2.440	3.336	8.3	20.9
12 7	2 2.59	+29 28.5	2.519	3.342	10.7	21.1

406304 2007 HV_{21} 11 1.9 53.°71 1.°0/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.50	+15 4.8	2.126	2.967	12.5	21.2
10 8	2 46.15	+14 11.9	2.058	2.974	9.3	21.1
10 18	2 40.05	+13 9.9	2.014	2.981	5.6	20.8
10 28	2 32.85	+12 2.9	1.998	2.988	1.9	20.6
11 7	2 25.38	+10 56.0	2.011	2.995	2.6	20.7
11 17	2 18.48	+ 9 54.8	2.053	3.003	6.3	20.9
11 27	2 12.91	+ 9 4.2	2.122	3.011	9.7	21.2
12 7	2 9.19	+ 8 27.4	2.215	3.018	12.7	21.4

407133 2009 SF_{359} 11 1.9 46.°40 0.°4/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.77	+17 15.0	1.966	2.805	13.4	20.7
10 8	2 46.46	+16 23.3	1.903	2.817	10.0	20.5
10 18	2 40.27	+15 20.3	1.863	2.829	6.1	20.3
10 28	2 32.93	+14 10.2	1.851	2.841	2.0	20.0
11 7	2 25.33	+12 58.4	1.867	2.854	2.3	20.1
11 17	2 18.39	+11 51.2	1.912	2.867	6.3	20.4
11 27	2 12.90	+10 54.1	1.984	2.880	10.0	20.6
12 7	2 9.39	+10 11.1	2.080	2.893	13.0	20.9

138466 2000 JO_{43} 11 1.9 266.°93 0.°1/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.99	+17 43.6	1.949	2.784	13.7	20.2
10 8	2 48.35	+17 12.4	1.866	2.777	10.4	19.9
10 18	2 41.60	+16 29.3	1.806	2.769	6.5	19.7
10 28	2 33.43	+15 37.1	1.772	2.762	2.2	19.4
11 7	2 24.78	+14 40.2	1.768	2.755	2.2	19.4
11 17	2 16.68	+13 44.3	1.791	2.748	6.5	19.7
11 27	2 10.05	+12 55.5	1.842	2.740	10.4	19.9
12 7	2 5.57	+12 18.3	1.917	2.733	13.8	20.1

439327 2012 WE_{9} 11 1.9 40.°46 3.°4/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.16	+ 7 28.6	1.360	2.224	16.8	19.9
10 8	2 51.83	+ 7 12.8	1.311	2.238	12.5	19.7
10 18	2 43.83	+ 6 55.0	1.283	2.252	7.9	19.5
10 28	2 34.15	+ 6 40.1	1.280	2.267	3.8	19.3
11 7	2 24.14	+ 6 32.8	1.303	2.283	5.0	19.4
11 17	2 15.13	+ 6 37.1	1.352	2.299	9.3	19.7
11 27	2 8.27	+ 6 55.3	1.425	2.315	13.4	20.0
12 7	2 4.19	+ 7 27.9	1.519	2.332	17.0	20.2

440805 2006 QE_{50} 11 1.9 50.°94 0.°9/ 2.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.72	+19 12.7	1.579	2.420	16.1	21.2
10 8	2 49.78	+18 50.4	1.526	2.438	12.1	21.0
10 18	2 42.46	+18 14.4	1.495	2.458	7.7	20.8
10 28	2 33.68	+17 27.4	1.489	2.477	2.9	20.5
11 7	2 24.62	+16 34.7	1.510	2.497	2.3	20.5
11 17	2 16.47	+15 42.8	1.558	2.518	6.9	20.9
11 27	2 10.24	+14 58.1	1.633	2.538	11.0	21.2
12 7	2 6.50	+14 25.4	1.730	2.559	14.5	21.4

229014 2003 YN_{27} 11 1.9 300.°87 7.°4/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.00	+42 4.4	2.370	3.079	15.1	19.6
10 8	2 49.21	+42 1.9	2.273	3.069	13.1	19.4
10 18	2 42.16	+41 35.2	2.194	3.060	10.9	19.2
10 28	2 33.62	+40 41.7	2.138	3.051	8.8	19.1
11 7	2 24.62	+39 21.9	2.108	3.042	7.5	19.0
11 17	2 16.26	+37 39.9	2.106	3.033	7.8	19.0
11 27	2 9.55	+35 43.6	2.132	3.024	9.5	19.1
12 7	2 5.15	+33 42.4	2.184	3.016	11.8	19.2

516260 2016 UJ_{148} 11 1.9 161.°48 3.°4/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 57.29	+ 5 7.6	2.110	2.951	12.5	21.5
10 8	2 51.21	+ 4 47.6	2.041	2.955	9.4	21.3
10 18	2 43.19	+ 4 27.5	1.996	2.959	6.1	21.1
10 28	2 33.93	+ 4 11.1	1.980	2.962	3.6	21.0
11 7	2 24.32	+ 4 1.9	1.993	2.965	4.5	21.1
11 17	2 15.31	+ 4 2.9	2.034	2.967	7.6	21.3
11 27	2 7.73	+ 4 16.0	2.103	2.969	10.9	21.5
12 7	2 2.18	+ 4 41.7	2.196	2.971	13.7	21.7

42212 2001 DO_{51} 11 1.9 124.°24 1.°8/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.20	+ 9 32.8	2.274	3.113	11.8	18.8
10 8	2 48.83	+ 9 19.6	2.201	3.116	8.8	18.6
10 18	2 41.71	+ 9 3.3	2.153	3.119	5.4	18.4
10 28	2 33.44	+ 8 46.7	2.134	3.122	2.3	18.2
11 7	2 24.85	+ 8 32.8	2.143	3.124	3.1	18.2
11 17	2 16.75	+ 8 24.8	2.182	3.127	6.4	18.5
11 27	2 9.94	+ 8 25.1	2.249	3.129	9.6	18.7
12 7	2 4.96	+ 8 35.4	2.339	3.132	12.4	18.9

508607 2017 SB_{19} 11 1.9 278°.24 6°.6/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 56.07	+34 59.5	1.204	2.007	22.2	20.7
10 8	2 52.28	+34 16.7	1.120	1.997	18.5	20.4
10 18	2 44.77	+32 52.8	1.054	1.986	13.9	20.1
10 28	2 34.63	+30 44.2	1.008	1.976	9.2	19.8
11 7	2 23.64	+27 56.4	0.987	1.965	6.6	19.6
11 17	2 13.75	+24 44.6	0.992	1.954	9.3	19.8
11 27	2 6.65	+21 30.6	1.022	1.944	14.3	20.0
12 7	2 3.25	+18 34.6	1.074	1.934	19.2	20.3

406312 2007 HP_{95} 11 1.9 136°.31 0°.2/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.48	+14 31.9	2.382	3.211	11.7	21.2
10 8	2 49.02	+14 29.9	2.306	3.214	8.8	21.0
10 18	2 41.82	+14 21.9	2.255	3.218	5.4	20.8
10 28	2 33.49	+14 9.4	2.231	3.221	1.8	20.6
11 7	2 24.81	+13 55.0	2.238	3.225	1.9	20.6
11 17	2 16.61	+13 41.6	2.274	3.228	5.5	20.9
11 27	2 9.66	+13 32.5	2.339	3.231	8.8	21.1
12 7	2 4.52	+13 30.1	2.429	3.234	11.6	21.3

159352 2007 EZ_{47} 11 1.9 246°.91 0°.0/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.97	+15 55.1	2.249	3.080	12.2	21.0
10 8	2 48.05	+15 40.2	2.168	3.077	9.2	20.8
10 18	2 41.30	+15 17.2	2.110	3.074	5.7	20.6
10 28	2 33.33	+14 48.1	2.081	3.071	1.9	20.4
11 7	2 24.97	+14 16.3	2.081	3.068	2.0	20.4
11 17	2 17.09	+13 45.5	2.110	3.064	5.8	20.6
11 27	2 10.48	+13 19.9	2.166	3.061	9.3	20.8
12 7	2 5.75	+13 2.8	2.247	3.058	12.3	21.0

523397 2017 DA_{83} 11 1.9 258°.40 3°.2/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.91	+ 5 24.2	2.235	3.080	11.8	21.2
10 8	2 48.67	+ 5 2.0	2.160	3.076	8.9	21.0
10 18	2 41.64	+ 4 39.2	2.109	3.072	5.8	20.8
10 28	2 33.44	+ 4 19.7	2.086	3.068	3.4	20.7
11 7	2 24.87	+ 4 6.9	2.092	3.065	4.3	20.7
11 17	2 16.78	+ 4 3.9	2.127	3.061	7.3	20.9
11 27	2 9.96	+ 4 12.8	2.189	3.057	10.4	21.1
12 7	2 4.98	+ 4 34.2	2.275	3.053	13.2	21.3

263539 2008 FN_{16} 11 1.9 26°.55 6°.8/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.20	+ 0 11.7	1.684	2.548	14.1	20.5
10 8	2 47.01	− 1 13.1	1.632	2.552	10.9	20.3
10 18	2 40.73	− 2 35.1	1.602	2.557	8.0	20.1
10 28	2 33.13	− 3 45.9	1.599	2.563	6.8	20.1
11 7	2 25.23	− 4 38.3	1.622	2.569	8.2	20.2
11 17	2 18.03	− 5 7.5	1.670	2.575	11.0	20.4
11 27	2 12.42	− 5 11.6	1.741	2.581	14.0	20.6
12 7	2 8.98	− 4 52.1	1.833	2.588	16.7	20.8

23969 1998 XF_{78} 11 1.9 19°.40 0°.2/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.17	+19 38.9	2.157	2.986	12.7	17.9
10 8	2 45.97	+18 41.4	2.080	2.987	9.6	17.7
10 18	2 40.00	+17 30.6	2.027	2.989	6.0	17.5
10 28	2 32.88	+16 10.2	2.001	2.991	2.1	17.2
11 7	2 25.47	+14 45.4	2.005	2.993	1.9	17.2
11 17	2 18.61	+13 22.6	2.039	2.995	5.8	17.5
11 27	2 13.07	+12 8.3	2.100	2.997	9.4	17.7
12 7	2 9.40	+11 7.0	2.187	3.000	12.5	17.9

189206 2003 SJ_{151} 11 1.9 65°.61 6°.8/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.31	− 3 47.7	2.185	3.035	11.8	19.6
10 8	2 45.90	− 5 10.9	2.134	3.042	9.4	19.5
10 18	2 39.87	− 6 28.7	2.108	3.048	7.4	19.4
10 28	2 32.82	− 7 34.2	2.109	3.055	6.8	19.4
11 7	2 25.55	− 8 22.1	2.137	3.062	8.0	19.4
11 17	2 18.82	− 8 48.8	2.191	3.069	10.1	19.6
11 27	2 13.34	− 8 53.2	2.270	3.076	12.3	19.8
12 7	2 9.60	− 8 36.6	2.368	3.083	14.4	19.9

135753 2002 QU_{44} 11 1.9 30°.65 2°.1/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.25	+20 55.7	1.612	2.446	16.1	19.4
10 8	2 50.41	+21 1.0	1.545	2.451	12.4	19.1
10 18	2 43.03	+20 52.1	1.499	2.457	8.2	18.9
10 28	2 33.96	+20 29.7	1.478	2.464	3.8	18.7
11 7	2 24.39	+19 57.1	1.484	2.470	2.8	18.6
11 17	2 15.59	+19 19.5	1.517	2.478	6.9	18.9
11 27	2 8.68	+18 43.5	1.576	2.485	11.1	19.2
12 7	2 4.37	+18 15.0	1.657	2.493	14.7	19.4

224681 2006 AR_{71} 11 1.9 22°.22 8°.6/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.19	− 7 30.3	1.874	2.725	13.5	19.5
10 8	2 46.81	− 8 48.7	1.827	2.730	11.0	19.4
10 18	2 40.53	− 9 57.3	1.804	2.734	9.2	19.3
10 28	2 33.06	−10 48.5	1.805	2.740	8.7	19.3
11 7	2 25.33	−11 16.7	1.831	2.745	9.8	19.3
11 17	2 18.25	−11 19.0	1.883	2.751	11.9	19.5
11 27	2 12.63	−10 55.4	1.956	2.758	14.2	19.7
12 7	2 9.02	−10 9.0	2.049	2.764	16.4	19.8

47034 1998 VP_{54} 11 1.9 272°.41 4°.4/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 52.50	+31 39.2	2.357	3.129	13.5	19.0
10 8	2 47.83	+31 27.9	2.269	3.127	11.0	18.8
10 18	2 41.21	+30 58.3	2.202	3.124	8.3	18.7
10 28	2 33.32	+30 10.0	2.161	3.121	5.6	18.5
11 7	2 25.04	+29 5.2	2.147	3.118	4.4	18.4
11 17	2 17.30	+27 48.5	2.163	3.115	5.9	18.5
11 27	2 10.96	+26 26.5	2.207	3.113	8.6	18.7
12 7	2 6.60	+25 6.3	2.277	3.110	11.4	18.9

59096 1998 WT_{3} 11 1.9 12°.52 3°.6/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.00	+ 6 4.2	1.037	1.916	19.6	16.7
10 8	2 53.33	+ 6 24.3	0.986	1.920	14.8	16.4
10 18	2 45.20	+ 6 46.1	0.953	1.925	9.4	16.1
10 28	2 34.75	+ 7 13.5	0.943	1.931	4.4	15.9
11 7	2 23.66	+ 7 49.5	0.956	1.939	5.3	16.0
11 17	2 13.73	+ 8 35.8	0.994	1.949	10.6	16.3
11 27	2 6.47	+ 9 33.4	1.053	1.959	15.6	16.6
12 7	2 2.70	+10 41.6	1.132	1.972	19.8	16.9

398407 2011 SC_{229} 11 1.9 30°.37 1°.7/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.49	+20 25.9	1.624	2.460	15.9	21.0
10 8	2 49.81	+20 21.7	1.557	2.465	12.2	20.8
10 18	2 42.65	+20 3.3	1.511	2.471	7.9	20.5
10 28	2 33.84	+19 32.0	1.491	2.477	3.4	20.3
11 7	2 24.57	+18 51.7	1.497	2.484	2.6	20.2
11 17	2 16.06	+18 8.1	1.530	2.491	6.9	20.5
11 27	2 9.40	+17 27.8	1.590	2.499	11.1	20.8
12 7	2 5.28	+16 56.5	1.672	2.506	14.7	21.0

48115 2001 FF_{83} 11 1.9 53°.88 0°.1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.71	+17 36.1	1.206	2.064	18.9	17.8
10 8	2 51.75	+16 55.0	1.162	2.085	14.1	17.6
10 18	2 43.86	+15 58.3	1.139	2.107	8.7	17.4
10 28	2 34.21	+14 51.2	1.139	2.130	2.9	17.1
11 7	2 24.32	+13 41.9	1.165	2.152	3.0	17.2
11 17	2 15.67	+12 39.2	1.216	2.175	8.5	17.6
11 27	2 9.43	+11 50.7	1.292	2.199	13.2	17.9
12 7	2 6.20	+11 20.8	1.388	2.222	17.2	18.3

487283 2014 QL_{21} 11 1.9 55°.94 1°.3/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.65	+21 23.2	2.152	2.974	13.0	21.7
10 8	2 47.12	+20 53.4	2.077	2.978	10.0	21.5
10 18	2 40.74	+20 10.4	2.026	2.983	6.5	21.3
10 28	2 33.17	+19 16.5	2.001	2.987	2.8	21.1
11 7	2 25.27	+18 15.6	2.005	2.992	2.0	21.0
11 17	2 17.94	+17 13.0	2.038	2.997	5.6	21.3
11 27	2 11.98	+16 14.5	2.099	3.002	9.1	21.5
12 7	2 7.96	+15 25.1	2.185	3.007	12.2	21.7

238231 2003 UA_{188} 11 1.9 84°.10 1°.8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 7.82	+16 20.7	1.779	2.595	15.6	19.8
10 8	2 59.60	+17 24.4	1.713	2.611	11.9	19.6
10 18	2 48.65	+18 21.5	1.670	2.626	7.7	19.4
10 28	2 35.88	+19 9.9	1.655	2.642	3.3	19.1
11 7	2 22.55	+19 48.8	1.671	2.657	2.7	19.1
11 17	2 10.05	+20 19.4	1.718	2.672	6.9	19.4
11 27	1 59.60	+20 45.0	1.792	2.688	10.8	19.7
12 7	1 51.97	+21 9.8	1.892	2.702	14.2	19.9

257678 1999 VV_{129} 11 1.9 99°.70 0°.7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.04	+19 33.0	2.205	3.030	12.6	20.7
10 8	2 47.35	+19 1.1	2.130	3.034	9.6	20.5
10 18	2 40.86	+18 17.6	2.079	3.039	6.1	20.3
10 28	2 33.21	+17 25.0	2.055	3.044	2.3	20.0
11 7	2 25.24	+16 27.2	2.061	3.048	1.9	20.0
11 17	2 17.83	+15 29.4	2.096	3.053	5.6	20.3
11 27	2 11.75	+14 36.9	2.158	3.057	9.1	20.5
12 7	2 7.57	+13 54.0	2.246	3.062	12.1	20.7

157390 2004 TJ_{203} 11 1.9 22°.36 0°.7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.13	+17 39.0	1.884	2.721	14.0	19.5
10 8	2 48.46	+17 34.4	1.815	2.726	10.6	19.3
10 18	2 41.68	+17 19.6	1.768	2.731	6.7	19.1
10 28	2 33.51	+16 56.4	1.747	2.736	2.5	18.9
11 7	2 24.93	+16 28.2	1.754	2.742	2.1	18.9
11 17	2 16.98	+15 59.3	1.790	2.748	6.2	19.1
11 27	2 10.58	+15 34.5	1.852	2.755	10.1	19.4
12 7	2 6.36	+15 17.9	1.937	2.762	13.4	19.6

269343 2008 TZ_{94} 11 1.9 100°.44 9°.3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 1.24	+49 16.1	2.711	3.344	14.8	20.3
10 8	2 54.70	+50 7.7	2.637	3.358	13.3	20.2
10 18	2 45.64	+50 37.0	2.582	3.373	11.8	20.1
10 28	2 34.87	+50 39.9	2.548	3.387	10.4	20.0
11 7	2 23.56	+50 15.0	2.537	3.401	9.5	20.0
11 17	2 12.97	+49 24.4	2.551	3.415	9.3	20.0
11 27	2 4.25	+48 13.6	2.590	3.428	10.0	20.1
12 7	1 58.13	+46 50.3	2.654	3.441	11.2	20.2

375248 2008 GJ_{67} 11 1.9 347°.74 0°.8/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 57.86	+12 42.6	1.262	2.124	18.0	20.0
10 8	2 53.01	+12 52.9	1.194	2.120	13.6	19.7
10 18	2 44.99	+12 56.1	1.147	2.116	8.5	19.4
10 28	2 34.73	+12 54.4	1.122	2.113	2.8	19.1
11 7	2 23.69	+12 51.5	1.123	2.110	3.3	19.1
11 17	2 13.48	+12 51.8	1.150	2.109	8.9	19.4
11 27	2 5.58	+13 0.2	1.200	2.107	14.0	19.7
12 7	2 0.88	+13 20.0	1.271	2.107	18.3	20.0

339315 2004 XW_{107} 11 1.9 9°.51 6°.1/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 51.53	+26 4.4	1.048	1.901	21.4	18.8
10 8	2 48.87	+26 53.2	0.994	1.904	17.2	18.6
10 18	2 42.66	+27 18.3	0.956	1.909	12.4	18.3
10 28	2 33.97	+27 16.9	0.939	1.916	7.8	18.1
11 7	2 24.52	+26 50.7	0.945	1.925	6.2	18.1
11 17	2 16.15	+26 6.5	0.972	1.936	9.3	18.3
11 27	2 10.48	+25 15.4	1.022	1.948	13.8	18.6
12 7	2 8.37	+24 28.1	1.091	1.963	18.0	18.9

462673 2009 TS_{46} 11 1.9 302°.65 2°.7/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 12.13	+13 15.7	1.050	1.900	21.6	20.7
10 8	3 5.30	+15 6.4	0.969	1.886	16.9	20.3
10 18	2 53.66	+17 1.4	0.907	1.871	11.1	19.9
10 28	2 38.00	+18 54.8	0.869	1.857	4.8	19.5
11 7	2 20.22	+20 39.2	0.857	1.844	4.4	19.5
11 17	2 2.94	+22 9.2	0.872	1.831	10.9	19.8
11 27	1 48.81	+23 25.6	0.910	1.818	17.2	20.1
12 7	1 39.45	+24 34.0	0.967	1.806	22.5	20.4

53494 2000 AP_{68} 11 1.9 205°.01 4°.4/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.59	+ 1 12.1	2.377	3.220	11.2	18.4
10 8	2 48.32	+ 0 39.3	2.307	3.219	8.6	18.2
10 18	2 41.39	+ 0 8.9	2.261	3.217	6.0	18.1
10 28	2 33.41	− 0 15.2	2.243	3.215	4.5	18.0
11 7	2 25.11	− 0 29.0	2.254	3.212	5.4	18.0
11 17	2 17.28	− 0 30.0	2.294	3.210	7.9	18.2
11 27	2 10.64	− 0 16.6	2.361	3.208	10.5	18.4
12 7	2 5.73	+ 0 10.9	2.450	3.205	13.0	18.5

448907 2011 UB_{322} 11 1.9 322°.09 3°.2/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 49.75	+10 58.8	1.542	2.408	15.0	20.7
10 8	2 46.46	+ 9 51.7	1.460	2.389	11.3	20.4
10 18	2 40.73	+ 8 34.0	1.399	2.370	7.1	20.1
10 28	2 33.28	+ 7 12.1	1.364	2.352	3.5	19.9
11 7	2 25.18	+ 5 54.4	1.355	2.334	5.0	19.9
11 17	2 17.62	+ 4 49.2	1.373	2.317	9.4	20.1
11 27	2 11.73	+ 4 3.4	1.414	2.301	13.8	20.4
12 7	2 8.29	+ 3 40.3	1.476	2.285	17.6	20.6

487409 2014 QL_{370} 11 1.9 25°.62 2°.6/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.25	+22 13.0	2.057	2.872	13.8	21.3
10 8	2 50.02	+22 35.0	1.982	2.876	10.7	21.2
10 18	2 42.67	+22 45.3	1.929	2.880	7.3	21.0
10 28	2 33.88	+22 43.6	1.903	2.884	3.8	20.8
11 7	2 24.62	+22 31.6	1.904	2.888	2.9	20.7
11 17	2 15.92	+22 12.3	1.935	2.893	5.9	20.9
11 27	2 8.73	+21 50.6	1.993	2.898	9.4	21.1
12 7	2 3.71	+21 31.4	2.075	2.903	12.5	21.3

135863 2002 TE_{6} 11 1.9 10°.57 3°.3/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.40	+ 8 22.2	1.624	2.483	14.7	19.5
10 8	2 48.86	+ 7 44.1	1.559	2.484	11.0	19.2
10 18	2 42.02	+ 7 1.9	1.518	2.486	6.9	19.0
10 28	2 33.66	+ 6 20.8	1.501	2.488	3.6	18.8
11 7	2 24.88	+ 5 46.7	1.512	2.490	4.8	18.9
11 17	2 16.79	+ 5 24.4	1.550	2.492	8.7	19.1
11 27	2 10.42	+ 5 17.7	1.612	2.495	12.6	19.4
12 7	2 6.42	+ 5 27.8	1.696	2.499	15.9	19.6

119783 2002 AZ_{51} 11 1.9 221°.33 1°.4/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.71	+12 24.4	2.169	3.010	12.2	20.0
10 8	2 47.88	+11 51.9	2.092	3.008	9.1	19.8
10 18	2 41.23	+11 13.0	2.039	3.006	5.6	19.6
10 28	2 33.38	+10 30.9	2.014	3.003	2.1	19.4
11 7	2 25.15	+ 9 50.0	2.018	3.001	2.9	19.4
11 17	2 17.43	+ 9 14.5	2.051	2.999	6.5	19.6
11 27	2 11.01	+ 8 48.5	2.111	2.996	9.9	19.8
12 7	2 6.47	+ 8 34.5	2.194	2.993	12.9	20.0

317350 2002 LV_{38} 11 1.9 67°.77 1°.3/ 1.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	3 0.17	+15 35.6	1.294	2.146	18.2	20.3
10 8	2 53.92	+14 38.2	1.260	2.180	13.5	20.1
10 18	2 44.98	+13 28.9	1.246	2.214	8.1	19.9
10 28	2 34.56	+12 13.8	1.257	2.248	2.7	19.6
11 7	2 24.13	+11 1.5	1.296	2.281	3.5	19.8
11 17	2 15.04	+ 9 59.9	1.361	2.314	8.5	20.2
11 27	2 8.33	+ 9 15.1	1.451	2.347	12.9	20.5
12 7	2 4.51	+ 8 49.8	1.562	2.379	16.4	20.8

133616 2003 US_{116} 11 1.9 236°.37 3°.5/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 52.37	+ 4 12.2	2.453	3.297	10.9	19.7
10 8	2 47.40	+ 3 40.2	2.378	3.293	8.2	19.5
10 18	2 40.84	+ 3 8.3	2.328	3.289	5.5	19.4
10 28	2 33.23	+ 2 40.1	2.306	3.284	3.6	19.2
11 7	2 25.30	+ 2 19.4	2.313	3.280	4.5	19.3
11 17	2 17.80	+ 2 9.3	2.349	3.275	7.2	19.5
11 27	2 11.43	+ 2 11.6	2.412	3.270	9.9	19.6
12 7	2 6.71	+ 2 27.1	2.498	3.265	12.4	19.8

221899 2008 KC_{17} 11 1.9 44°.23 4°.2/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 50.93	+ 6 0.8	1.883	2.741	13.1	20.4
10 8	2 46.61	+ 4 53.2	1.829	2.752	9.8	20.2
10 18	2 40.42	+ 3 43.7	1.799	2.763	6.4	20.1
10 28	2 33.08	+ 2 38.4	1.795	2.775	4.2	20.0
11 7	2 25.49	+ 1 43.5	1.820	2.787	5.5	20.1
11 17	2 18.56	+ 1 4.0	1.872	2.799	8.6	20.3
11 27	2 13.08	+ 0 42.7	1.949	2.812	11.7	20.5
12 7	2 9.57	+ 0 40.3	2.048	2.824	14.5	20.7

452707 2005 YA_{111} 11 1.9 297°.51 3°.3/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 52.62	+26 55.2	2.161	2.961	13.7	21.1
10 8	2 48.05	+26 46.1	2.074	2.955	10.9	20.9
10 18	2 41.45	+26 20.8	2.009	2.950	7.7	20.7
10 28	2 33.48	+25 39.2	1.970	2.945	4.6	20.5
11 7	2 25.06	+24 44.1	1.959	2.940	3.4	20.4
11 17	2 17.15	+23 40.1	1.977	2.935	5.8	20.6
11 27	2 10.67	+22 33.8	2.022	2.930	9.1	20.8
12 7	2 6.27	+21 31.7	2.093	2.925	12.2	21.0

29460 1997 SR_{31} 11 1.9 295°.58 1°.9/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.45	+20 16.2	1.536	2.373	16.6	19.4
10 8	2 51.67	+20 20.9	1.454	2.363	12.9	19.1
10 18	2 44.07	+20 11.4	1.393	2.353	8.5	18.9
10 28	2 34.45	+19 47.8	1.357	2.344	3.8	18.6
11 7	2 24.05	+19 13.3	1.347	2.334	2.8	18.5
11 17	2 14.29	+18 33.3	1.364	2.325	7.5	18.7
11 27	2 6.48	+17 55.2	1.406	2.316	12.2	19.0
12 7	2 1.50	+17 25.5	1.471	2.307	16.3	19.2

351122 2003 WA_{73} 11 1.9 339°.82 3°.1/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 58.03	+ 6 6.0	1.297	2.163	17.3	19.7
10 8	2 53.19	+ 6 31.6	1.221	2.148	13.2	19.4
10 18	2 45.20	+ 6 59.9	1.165	2.134	8.4	19.1
10 28	2 34.88	+ 7 33.9	1.133	2.121	3.9	18.8
11 7	2 23.61	+ 8 16.1	1.127	2.109	4.7	18.8
11 17	2 12.98	+ 9 7.8	1.146	2.099	9.7	19.0
11 27	2 4.51	+10 10.1	1.189	2.090	14.7	19.3
12 7	1 59.21	+11 22.5	1.253	2.082	19.0	19.5

116656 2004 CY_{35} 11 1.9 244°.25 0°.9/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 56.79	+14 52.6	1.707	2.549	15.0	20.8
10 8	2 51.57	+14 21.6	1.621	2.537	11.3	20.6
10 18	2 43.84	+13 39.8	1.558	2.525	7.0	20.3
10 28	2 34.34	+12 50.3	1.521	2.512	2.4	20.0
11 7	2 24.18	+11 58.4	1.513	2.499	2.9	20.0
11 17	2 14.59	+11 10.3	1.532	2.485	7.7	20.3
11 27	2 6.72	+10 32.3	1.577	2.471	12.2	20.5
12 7	2 1.37	+10 8.7	1.645	2.457	16.0	20.7

371871 2008 CQ_{24} 11 1.9 352°.21 1°.6/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 54.61	+12 55.7	1.140	2.013	18.7	20.5
10 8	2 50.78	+12 38.5	1.077	2.008	14.1	20.2
10 18	2 43.70	+12 11.1	1.033	2.004	8.8	19.9
10 28	2 34.36	+11 37.8	1.011	2.002	3.1	19.5
11 7	2 24.26	+11 5.2	1.013	2.000	3.9	19.6
11 17	2 15.08	+10 40.2	1.040	1.999	9.7	19.9
11 27	2 8.29	+10 29.2	1.089	1.998	14.9	20.2
12 7	2 4.77	+10 35.5	1.158	1.999	19.4	20.5

443523 2014 JE_{61} 11 1.9 144°.51 0°.5/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 55.73	+17 36.4	2.243	3.065	12.5	22.2
10 8	2 50.07	+17 23.4	2.170	3.073	9.5	22.0
10 18	2 42.56	+17 1.2	2.121	3.081	6.0	21.8
10 28	2 33.84	+16 31.6	2.099	3.088	2.2	21.6
11 7	2 24.80	+15 57.8	2.107	3.095	1.9	21.6
11 17	2 16.32	+15 23.6	2.146	3.101	5.6	21.9
11 27	2 9.22	+14 53.4	2.212	3.107	9.1	22.1
12 7	2 4.07	+14 31.0	2.303	3.113	12.0	22.3

150270 1999 RV_{187} 11 1.9 123°.20 0°.0/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 28	2 53.37	+16 31.1	2.291	3.120	12.1	20.9
10 8	2 48.26	+16 7.5	2.220	3.128	9.1	20.7
10 18	2 41.41	+15 35.4	2.173	3.135	5.6	20.5
10 28	2 33.45	+14 57.1	2.153	3.143	1.9	20.3
11 7	2 25.20	+14 16.2	2.163	3.150	1.9	20.3
11 17	2 17.49	+13 36.8	2.203	3.157	5.6	20.6
11 27	2 11.07	+13 3.2	2.270	3.164	8.9	20.8
12 7	2 6.49	+12 38.7	2.363	3.171	11.8	21.0

517907 2015 TR_{116} 11 1.9 205°.80 4°.0/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 50.06	+ 6 6.1	2.418	3.266	10.9	21.1
10 8	2 45.69	+ 4 30.7	2.346	3.265	8.2	20.9
10 18	2 39.78	+ 2 51.6	2.301	3.263	5.5	20.7
10 28	2 32.90	+ 1 15.0	2.285	3.261	4.0	20.6
11 7	2 25.75	− 0 12.8	2.300	3.259	5.2	20.7
11 17	2 19.05	− 1 26.3	2.343	3.256	7.9	20.9
11 27	2 13.46	− 2 21.7	2.413	3.254	10.6	21.0
12 7	2 9.48	− 2 57.5	2.506	3.251	13.0	21.2

319146 2005 YA_{28} 11 1.9 240°.02 0°.2/ 1.8 17

9 28	2 52.75	+15 26.4	2.435	3.264	11.5	21.4
10 8	2 47.83	+15 7.0	2.347	3.256	8.6	21.2
10 18	2 41.20	+14 40.2	2.284	3.248	5.3	21.0
10 28	2 33.41	+14 8.0	2.249	3.239	1.8	20.7
11 7	2 25.23	+13 33.5	2.244	3.230	2.0	20.7
11 17	2 17.45	+13 0.4	2.268	3.221	5.6	21.0
11 27	2 10.83	+12 32.7	2.321	3.212	8.9	21.2
12 7	2 5.95	+12 13.5	2.398	3.203	11.8	21.3

113890 2002 TA_{270} 11 1.9 86°.83 3°.9/ 4.8 18

9 28	2 58.24	+25 58.4	1.883	2.684	15.4	19.6
10 8	2 52.42	+26 19.4	1.815	2.698	12.2	19.4
10 18	2 44.22	+26 24.4	1.770	2.711	8.6	19.2
10 28	2 34.45	+26 12.5	1.750	2.723	5.2	19.0
11 7	2 24.24	+25 45.5	1.757	2.736	4.0	19.0
11 17	2 14.78	+25 7.8	1.793	2.749	6.5	19.2
11 27	2 7.12	+24 25.7	1.856	2.762	9.9	19.4
12 7	2 1.94	+23 45.8	1.943	2.774	13.1	19.6

199302 2006 BD_{82} 11 2.0 96°.76 3°.1/30.2 18

9 28	2 51.95	+ 6 10.7	2.437	3.281	11.0	20.6
10 8	2 47.00	+ 5 28.3	2.379	3.295	8.2	20.4
10 18	2 40.53	+ 4 44.7	2.346	3.309	5.3	20.3
10 28	2 33.15	+ 4 3.9	2.341	3.322	3.2	20.2
11 7	2 25.58	+ 3 30.0	2.365	3.336	4.1	20.3
11 17	2 18.51	+ 3 6.0	2.419	3.349	6.8	20.5
11 27	2 12.63	+ 2 54.4	2.500	3.362	9.5	20.6
12 7	2 8.37	+ 2 55.9	2.604	3.374	11.9	20.8

389691 2011 QT_{39} 11 2.0 59°.43 3°.5/30.8 18

9 28	2 55.51	+ 8 20.5	1.563	2.421	15.3	20.9
10 8	2 50.29	+ 7 34.1	1.517	2.441	11.3	20.7
10 18	2 42.79	+ 6 44.3	1.493	2.461	7.1	20.5
10 28	2 33.93	+ 5 56.8	1.495	2.481	3.7	20.4
11 7	2 24.85	+ 5 17.7	1.525	2.501	4.9	20.5
11 17	2 16.69	+ 4 52.0	1.581	2.522	8.7	20.8
11 27	2 10.38	+ 4 42.6	1.662	2.543	12.4	21.1
12 7	2 6.49	+ 4 50.4	1.765	2.563	15.6	21.3

263447 2008 EA_{1} 11 2.0 122°.33 7°.2/28.3 16

9 28	2 59.45	− 3 3.6	1.799	2.642	14.3	21.4
10 8	2 52.92	− 4 7.0	1.754	2.660	11.2	21.2
10 18	2 44.30	− 5 3.4	1.733	2.677	8.4	21.1
10 28	2 34.42	− 5 46.0	1.738	2.694	7.2	21.1
11 7	2 24.37	− 6 9.2	1.771	2.710	8.3	21.2
11 17	2 15.18	− 6 10.3	1.830	2.725	10.8	21.4
11 27	2 7.74	− 5 49.0	1.914	2.739	13.6	21.6
12 7	2 2.59	− 5 7.9	2.019	2.753	16.0	21.8

29224 1992 DD_{7} 11 2.0 300°.45 5°.2/29.5 18

9 28	2 54.29	+ 5 29.3	1.511	2.375	15.4	18.5
10 8	2 49.74	+ 4 22.3	1.445	2.371	11.7	18.3
10 18	2 42.69	+ 3 12.2	1.402	2.367	7.8	18.1
10 28	2 33.98	+ 2 6.6	1.383	2.363	5.2	17.9
11 7	2 24.75	+ 1 13.3	1.392	2.359	6.7	18.0
11 17	2 16.25	+ 0 38.9	1.426	2.356	10.5	18.2
11 27	2 9.58	+ 0 27.0	1.483	2.352	14.4	18.4
12 7	2 5.44	+ 0 38.0	1.561	2.349	17.8	18.6

151712 2003 BH_{40} 11 2.0 265°.64 0°.5/ 2.3 18

9 28	2 56.39	+17 42.7	1.655	2.493	15.5	20.8
10 8	2 51.44	+17 27.2	1.568	2.480	11.9	20.6
10 18	2 43.87	+16 59.0	1.504	2.467	7.6	20.3
10 28	2 34.43	+16 20.0	1.465	2.454	2.7	20.0
11 7	2 24.27	+15 34.3	1.453	2.441	2.4	19.9
11 17	2 14.67	+14 48.0	1.469	2.427	7.4	20.2
11 27	2 6.85	+14 7.7	1.511	2.414	12.0	20.4
12 7	2 1.65	+13 39.1	1.576	2.400	15.9	20.7

282454 2004 CP_{47} 11 2.0 345°.88 5°.5/30.0 18

9 28	2 53.07	+ 6 0.7	1.161	2.042	17.9	20.2
10 8	2 49.47	+ 5 6.3	1.100	2.035	13.6	19.9
10 18	2 42.83	+ 4 8.3	1.059	2.029	8.9	19.7
10 28	2 34.09	+ 3 15.3	1.040	2.023	5.6	19.5
11 7	2 24.66	+ 2 36.2	1.045	2.019	7.3	19.6
11 17	2 16.11	+ 2 18.0	1.074	2.016	11.8	19.8
11 27	2 9.79	+ 2 24.5	1.124	2.013	16.4	20.1
12 7	2 6.54	+ 2 55.5	1.193	2.012	20.4	20.3

423399 2005 LX_{9} 11 2.0 153°.90 3°.6/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 28	2 58.81	+ 6 17.3	2.094	2.932	12.7	21.9
10 8	2 52.32	+ 5 28.0	2.031	2.944	9.5	21.7
10 18	2 43.92	+ 4 36.8	1.993	2.954	6.2	21.5
10 28	2 34.33	+ 3 48.3	1.983	2.964	3.7	21.4
11 7	2 24.47	+ 3 7.8	2.003	2.973	4.8	21.5
11 17	2 15.27	+ 2 39.2	2.052	2.980	7.9	21.7
11 27	2 7.58	+ 2 25.5	2.129	2.987	11.1	21.9
12 7	2 1.95	+ 2 27.5	2.229	2.993	13.8	22.1

486291 2013 CJ_{66} 11 2.0 355°.74 7°.4/ 6.7 17

9 28	2 54.80	+31 33.4	1.461	2.265	18.9	20.8
10 8	2 50.85	+32 21.8	1.387	2.261	15.7	20.5
10 18	2 43.78	+32 47.5	1.331	2.257	12.2	20.3
10 28	2 34.45	+32 46.3	1.297	2.255	8.9	20.1
11 7	2 24.26	+32 18.0	1.288	2.254	7.4	20.0
11 17	2 14.84	+31 27.0	1.302	2.254	9.0	20.1
11 27	2 7.65	+30 22.6	1.342	2.254	12.4	20.3
12 7	2 3.63	+29 15.6	1.402	2.256	15.9	20.6

253394 2003 NZ_{12} 11 2.0 13°.60 5°.9/ 5.4 18

9 28	2 51.61	+27 20.8	0.950	1.807	22.9	19.5
10 8	2 49.19	+27 41.0	0.898	1.810	18.4	19.2
10 18	2 43.00	+27 31.7	0.862	1.816	13.2	18.9
10 28	2 34.19	+26 51.3	0.845	1.823	8.0	18.7
11 7	2 24.63	+25 44.3	0.849	1.831	6.0	18.6
11 17	2 16.33	+24 21.4	0.876	1.842	9.5	18.9
11 27	2 10.93	+22 57.1	0.923	1.853	14.5	19.2
12 7	2 9.26	+21 43.9	0.990	1.866	19.1	19.5

12221 Ogatakoan 11 2.0 68°.36 1°.2/ 1.2 18

9 28	2 55.29	+13 40.9	1.678	2.525	14.9	17.9
10 8	2 50.22	+13 13.1	1.615	2.534	11.1	17.7
10 18	2 42.86	+12 36.7	1.575	2.543	6.8	17.4
10 28	2 34.02	+11 55.5	1.561	2.552	2.3	17.2
11 7	2 24.80	+11 14.7	1.575	2.560	3.0	17.2
11 17	2 16.34	+10 39.5	1.616	2.569	7.4	17.5
11 27	2 9.64	+10 14.9	1.684	2.578	11.5	17.8
12 7	2 5.33	+10 3.9	1.774	2.588	14.9	18.0

307656 2003 SX_{198} 11 2.0 24°.05 2°.0/ 3.6 16

9 28	2 51.09	+24 14.0	1.358	2.200	18.1	19.8
10 8	2 47.63	+23 20.7	1.298	2.208	14.0	19.6
10 18	2 41.47	+22 3.9	1.257	2.217	9.2	19.3
10 28	2 33.57	+20 27.4	1.240	2.227	4.1	19.1
11 7	2 25.28	+18 39.5	1.249	2.237	2.7	19.0
11 17	2 17.95	+16 51.2	1.285	2.249	7.5	19.3
11 27	2 12.70	+15 13.5	1.346	2.261	12.2	19.6
12 7	2 10.17	+13 54.5	1.429	2.274	16.2	19.9

47128 1999 CZ_{115} 11 2.0 4°.08 1°.5/31.6 18

9 28	2 49.89	+13 5.2	2.047	2.894	12.6	17.9
10 8	2 45.89	+12 17.9	1.975	2.894	9.4	17.7
10 18	2 40.07	+11 22.8	1.927	2.895	5.7	17.5
10 28	2 33.07	+10 24.1	1.906	2.896	2.2	17.3
11 7	2 25.73	+ 9 26.9	1.913	2.897	3.0	17.3
11 17	2 18.92	+ 8 36.4	1.949	2.898	6.7	17.6
11 27	2 13.44	+ 7 57.4	2.012	2.900	10.2	17.8
12 7	2 9.83	+ 7 32.6	2.098	2.902	13.2	18.0

139078 2001 FN_{14} 11 2.0 210°.82 1°.8/31.7 18

9 28	2 56.64	+13 11.5	1.769	2.612	14.5	20.2
10 8	2 51.29	+12 21.8	1.691	2.607	10.9	20.0
10 18	2 43.59	+11 22.3	1.635	2.602	6.7	19.7
10 28	2 34.31	+10 17.5	1.606	2.595	2.5	19.5
11 7	2 24.52	+ 9 13.5	1.605	2.589	3.5	19.5
11 17	2 15.35	+ 8 16.9	1.634	2.581	7.9	19.8
11 27	2 7.85	+ 7 33.8	1.688	2.573	12.0	20.0
12 7	2 2.73	+ 7 7.5	1.765	2.565	15.5	20.2

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9 28	2 54.52	+20 23.4	1.502	2.343	16.7	20.7
10 8	2 50.15	+20 17.4	1.430	2.341	12.9	20.5
10 18	2 43.09	+19 56.1	1.379	2.340	8.4	20.2
10 28	2 34.18	+19 20.7	1.352	2.340	3.6	19.9
11 7	2 24.67	+18 35.5	1.352	2.340	2.7	19.9
11 17	2 15.90	+17 46.7	1.378	2.340	7.3	20.2
11 27	2 9.09	+17 1.9	1.430	2.341	11.9	20.4
12 7	2 5.02	+16 27.3	1.503	2.342	15.8	20.7

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9 28	2 54.25	+15 56.0	1.895	2.733	13.9	18.3
10 8	2 49.14	+15 37.3	1.840	2.752	10.4	18.1
10 18	2 42.05	+15 9.7	1.807	2.772	6.4	17.9
10 28	2 33.73	+14 35.9	1.802	2.792	2.1	17.7
11 7	2 25.17	+14 0.0	1.824	2.812	2.2	17.7
11 17	2 17.33	+13 26.6	1.876	2.832	6.3	18.0
11 27	2 11.08	+13 0.2	1.954	2.852	9.9	18.3
12 7	2 6.96	+12 44.0	2.056	2.872	13.0	18.5