414121 2007 UF_{68} 5 14.9 79°.43 0°.4/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 56.30	−20 40.2	1.450	2.309	16.2	21.3
4 21	15 50.55	−20 33.0	1.392	2.323	12.0	21.1
5 1	15 42.13	−20 16.8	1.356	2.338	7.3	20.8
5 11	15 32.09	−19 52.9	1.344	2.352	2.2	20.6
5 21	15 21.72	−19 24.7	1.359	2.366	3.0	20.6
5 31	15 12.37	−18 56.5	1.399	2.380	7.9	21.0
6 10	15 5.13	−18 33.5	1.462	2.395	12.3	21.3
6 20	15 0.62	−18 19.1	1.547	2.408	16.0	21.5

371720 2007 EU_{78} 5 14.9 70°.96 5°.5/12.1 18

4 11	15 53.31	− 7 13.1	1.610	2.475	14.5	20.6
4 21	15 47.86	− 6 19.1	1.563	2.495	11.0	20.4
5 1	15 40.30	− 5 29.0	1.540	2.514	7.5	20.3
5 11	15 31.52	− 4 48.1	1.541	2.533	5.5	20.2
5 21	15 22.60	− 4 21.0	1.568	2.552	6.8	20.3
5 31	15 14.58	− 4 10.5	1.621	2.571	9.9	20.5
6 10	15 8.30	− 4 17.5	1.696	2.590	13.2	20.8
6 20	15 4.26	− 4 40.7	1.792	2.609	16.0	21.0

258974 2002 SD_{44} 5 14.9 200°.34 0°.2/15.1 17

4 11	15 55.14	−21 5.2	2.012	2.855	13.0	21.6
4 21	15 49.25	−20 46.4	1.928	2.851	9.7	21.3
5 1	15 41.24	−20 19.2	1.868	2.848	5.9	21.1
5 11	15 31.85	−19 45.0	1.835	2.843	1.8	20.8
5 21	15 22.03	−19 6.5	1.831	2.838	2.5	20.9
5 31	15 12.81	−18 27.6	1.854	2.832	6.7	21.1
6 10	15 5.12	−17 52.7	1.903	2.825	10.5	21.3
6 20	14 59.55	−17 25.4	1.975	2.818	13.8	21.5

247917 2003 WJ_{38} 5 14.9 224°.90 3°.0/16.8 17

4 11	15 56.56	−28 51.8	1.957	2.781	14.1	21.2
4 21	15 50.57	−28 40.4	1.864	2.770	11.0	20.9
5 1	15 42.17	−28 14.0	1.793	2.759	7.4	20.7
5 11	15 32.14	−27 32.2	1.748	2.747	3.9	20.5
5 21	15 21.57	−26 36.9	1.731	2.735	3.5	20.4
5 31	15 11.62	−25 32.7	1.742	2.721	6.9	20.6
6 10	15 3.37	−24 26.2	1.778	2.707	10.7	20.8
6 20	14 57.49	−23 23.6	1.838	2.693	14.2	21.0

123084 2000 SV_{319} 5 14.9 148°.94 3°.6/17.5 18

4 11	15 55.37	−31 10.8	2.200	3.011	13.1	20.2
4 21	15 49.32	−31 10.6	2.123	3.019	10.3	20.0
5 1	15 41.21	−30 56.1	2.069	3.026	7.2	19.8
5 11	15 31.83	−30 26.9	2.041	3.033	4.4	19.6
5 21	15 22.12	−29 44.5	2.041	3.039	3.9	19.6
5 31	15 13.12	−28 52.8	2.069	3.045	6.3	19.8
6 10	15 5.69	−27 57.0	2.123	3.050	9.3	20.0
6 20	15 0.39	−27 2.6	2.201	3.055	12.2	20.2

494706 2005 GL_{9} 5 14.9 319°.94 2°.5/13.8 17

4 11	16 20.01	−19 10.8	1.666	2.476	16.7	20.6
4 21	16 10.68	−17 59.2	1.479	2.385	13.3	20.1
5 1	15 56.35	−16 21.4	1.316	2.289	8.6	19.6
5 11	15 36.96	−14 13.2	1.182	2.188	3.2	19.0
5 21	15 13.28	−11 34.7	1.083	2.082	6.1	18.8
5 31	14 47.28	− 8 35.7	1.020	1.971	14.2	18.9
6 10	14 21.70	− 5 34.4	0.991	1.854	22.7	19.0
6 20	13 59.02	− 2 50.3	0.988	1.731	30.8	19.1

353897 2012 XP_{41} 5 14.9 277°.78 0°.3/15.2 17

4 11	15 51.11	−21 10.5	2.110	2.958	12.3	20.8
4 21	15 46.19	−20 55.4	2.028	2.954	9.2	20.6
5 1	15 39.36	−20 32.6	1.970	2.950	5.6	20.4
5 11	15 31.31	−20 3.5	1.939	2.946	1.7	20.1
5 21	15 22.87	−19 30.6	1.935	2.942	2.3	20.1
5 31	15 14.98	−18 57.3	1.959	2.939	6.2	20.4
6 10	15 8.46	−18 27.5	2.008	2.935	9.8	20.6
6 20	15 3.86	−18 4.3	2.081	2.931	12.9	20.8

64719 2001 XA_{101} 5 14.9 285°.92 2°.3/15.9 18

4 11	15 55.24	−24 19.1	1.395	2.252	16.8	18.7
4 21	15 50.49	−24 26.7	1.306	2.234	13.0	18.4
5 1	15 42.59	−24 21.6	1.237	2.215	8.4	18.1
5 11	15 32.38	−24 3.1	1.192	2.197	3.6	17.7
5 21	15 21.18	−23 32.5	1.171	2.178	3.6	17.7
5 31	15 10.61	−22 54.4	1.176	2.160	8.7	17.9
6 10	15 2.14	−22 15.7	1.202	2.141	13.8	18.1
6 20	14 56.74	−21 42.8	1.249	2.123	18.3	18.4

247778 2003 RF 5 14.9 237°.40 12°.2/22.3 17

4 11	16 6.88	−51 52.4	2.036	2.732	17.6	21.2
4 21	15 59.55	−52 58.8	1.940	2.718	15.9	21.1
5 1	15 48.26	−53 40.3	1.862	2.702	14.2	20.9
5 11	15 34.06	−53 49.1	1.803	2.685	12.8	20.8
5 21	15 18.66	−53 20.3	1.767	2.668	12.2	20.7
5 31	15 4.17	−52 14.6	1.754	2.650	12.6	20.7
6 10	14 52.45	−50 39.4	1.763	2.632	14.0	20.7
6 20	14 44.57	−48 46.0	1.793	2.612	16.0	20.8

437516 2013 YK_{91} 5 15.0 232°.09 8°.3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 52.81	+ 4 17.8	2.075	2.912	12.9	20.7
4 21	15 47.32	+ 5 8.1	2.007	2.905	10.7	20.5
5 1	15 39.99	+ 5 47.2	1.962	2.899	8.9	20.4
5 11	15 31.49	+ 6 9.8	1.942	2.892	8.3	20.3
5 21	15 22.65	+ 6 12.2	1.948	2.885	9.3	20.4
5 31	15 14.36	+ 5 52.7	1.978	2.877	11.3	20.5
6 10	15 7.40	+ 5 12.2	2.031	2.870	13.6	20.6
6 20	15 2.29	+ 4 13.5	2.104	2.862	15.9	20.8

326609 2002 RR_{53} 5 15.0 201°.29 1°.6/14.0 17 R

4 11	15 55.11	−15 38.7	2.190	3.036	12.0	21.7
4 21	15 49.04	−15 12.9	2.106	3.032	8.9	21.5
5 1	15 41.04	−14 43.1	2.046	3.026	5.4	21.3
5 11	15 31.81	−14 11.6	2.014	3.020	2.0	21.1
5 21	15 22.18	−13 41.2	2.010	3.013	3.2	21.1
5 31	15 13.08	−13 15.1	2.036	3.005	6.9	21.3
6 10	15 5.33	−12 56.5	2.087	2.997	10.3	21.5
6 20	14 59.50	−12 47.2	2.162	2.988	13.4	21.7

2879 Shimizu 5 15.0 43°.56 7°.0/11.1 18

4 11	15 50.63	− 3 48.3	1.613	2.481	14.4	15.7
4 21	15 45.96	− 2 42.6	1.564	2.492	11.2	15.5
5 1	15 39.22	− 1 43.5	1.537	2.504	8.3	15.4
5 11	15 31.26	− 0 57.4	1.534	2.516	7.0	15.3
5 21	15 23.08	− 0 29.1	1.557	2.528	8.2	15.4
5 31	15 15.70	− 0 21.5	1.604	2.541	11.0	15.6
6 10	15 9.97	− 0 34.8	1.673	2.554	14.0	15.9
6 20	15 6.38	− 1 6.9	1.761	2.568	16.7	16.1

20565 1999 RR_{123} 5 15.0 42°.42 0°.5/14.6 18

4 11	15 49.26	−20 23.4	2.178	3.029	11.8	17.5
4 21	15 44.66	−19 38.1	2.104	3.033	8.7	17.3
5 1	15 38.35	−18 44.7	2.055	3.037	5.2	17.1
5 11	15 31.01	−17 46.1	2.033	3.041	1.5	16.9
5 21	15 23.42	−16 46.1	2.039	3.045	2.5	16.9
5 31	15 16.42	−15 49.1	2.072	3.049	6.2	17.2
6 10	15 10.73	−14 59.2	2.132	3.054	9.6	17.4
6 20	15 6.81	−14 19.6	2.215	3.058	12.5	17.6

215362 2001 XL_{195} 5 15.0 182°.95 9°.6/22.5 17

4 11	15 59.35	−47 20.6	1.973	2.710	16.9	19.9
4 21	15 53.12	−47 43.4	1.891	2.710	14.8	19.8
5 1	15 43.85	−47 40.1	1.827	2.710	12.5	19.6
5 11	15 32.66	−47 6.2	1.785	2.710	10.6	19.5
5 21	15 20.98	−46 0.9	1.767	2.710	9.6	19.4
5 31	15 10.38	−44 28.2	1.773	2.709	10.2	19.5
6 10	15 2.12	−42 36.8	1.804	2.709	11.9	19.6
6 20	14 56.90	−40 37.1	1.857	2.708	14.2	19.7

393857 2005 SL_{209} 5 15.0 264°.90 0°.2/14.8 17

4 11	15 49.78	−20 37.0	2.366	3.212	11.2	20.9
4 21	15 45.06	−20 1.4	2.275	3.200	8.3	20.7
5 1	15 38.63	−19 17.9	2.208	3.188	5.0	20.5
5 11	15 31.11	−18 28.5	2.168	3.176	1.4	20.2
5 21	15 23.24	−17 36.4	2.157	3.164	2.3	20.2
5 31	15 15.82	−16 45.4	2.175	3.152	5.9	20.4
6 10	15 9.59	−15 59.5	2.219	3.140	9.3	20.6
6 20	15 5.05	−15 21.9	2.286	3.127	12.2	20.8

68544 2001 XO_{18} 5 15.0 32°.79 3°.1/13.7 18

4 11	15 53.44	− 9 30.1	1.904	2.762	13.0	18.8
4 21	15 47.90	− 9 37.1	1.840	2.770	9.7	18.6
5 1	15 40.37	− 9 47.1	1.800	2.779	6.1	18.4
5 11	15 31.61	−10 1.9	1.786	2.788	3.3	18.2
5 21	15 22.54	−10 23.1	1.800	2.798	4.3	18.3
5 31	15 14.12	−10 51.5	1.841	2.808	7.7	18.5
6 10	15 7.21	−11 27.7	1.906	2.818	11.1	18.7
6 20	15 2.33	−12 11.2	1.994	2.829	14.0	19.0

326684 2002 XJ_{9} 5 15.0 259°.08 0°.6/14.7 17

4 11	15 54.42	−19 3.6	1.823	2.676	13.7	21.2
4 21	15 49.07	−18 41.6	1.729	2.658	10.3	21.0
5 1	15 41.34	−18 11.8	1.658	2.639	6.2	20.7
5 11	15 31.96	−17 36.0	1.612	2.620	1.8	20.4
5 21	15 21.93	−16 57.3	1.594	2.601	3.0	20.4
5 31	15 12.40	−16 19.9	1.603	2.581	7.6	20.6
6 10	15 4.43	−15 48.7	1.637	2.560	11.9	20.8
6 20	14 58.75	−15 27.1	1.693	2.539	15.6	21.0

12680 Bogdanovich 5 15.0 25°.49 1°.2/15.4 18

4 11	15 55.72	−21 20.0	1.172	2.044	18.4	17.6
4 21	15 50.88	−21 32.6	1.110	2.047	13.8	17.4
5 1	15 42.73	−21 35.1	1.068	2.051	8.6	17.1
5 11	15 32.39	−21 27.6	1.047	2.054	2.9	16.8
5 21	15 21.39	−21 12.3	1.051	2.059	3.5	16.8
5 31	15 11.46	−20 53.7	1.078	2.063	9.1	17.1
6 10	15 4.01	−20 37.9	1.126	2.068	14.2	17.4
6 20	14 59.84	−20 29.4	1.194	2.074	18.6	17.7

475796 2006 XW_{38} 5 15.0 183°.07 4°.9/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 53.37	−38 22.8	2.835	3.604	11.5	21.8
4 21	15 47.62	−38 24.6	2.746	3.604	9.5	21.6
5 1	15 40.11	−38 11.2	2.680	3.604	7.4	21.5
5 11	15 31.53	−37 41.6	2.639	3.604	5.6	21.3
5 21	15 22.67	−36 56.4	2.627	3.603	5.0	21.3
5 31	15 14.37	−35 58.6	2.642	3.602	6.1	21.4
6 10	15 7.37	−34 52.6	2.685	3.601	8.1	21.5
6 20	15 2.17	−33 43.6	2.752	3.599	10.2	21.6

299954 2006 TX_{65} 5 15.0 165°.18 2°.1/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 49.63	−15 3.1	2.401	3.254	10.8	21.1
4 21	15 44.77	−14 9.2	2.326	3.256	8.0	21.0
5 1	15 38.36	−13 11.2	2.277	3.258	4.8	20.8
5 11	15 31.02	−12 12.6	2.255	3.260	2.2	20.6
5 21	15 23.45	−11 16.9	2.262	3.261	3.5	20.7
5 31	15 16.40	−10 28.2	2.298	3.262	6.5	20.9
6 10	15 10.50	− 9 49.5	2.359	3.264	9.5	21.1
6 20	15 6.21	− 9 22.5	2.444	3.264	12.2	21.2

314193 2005 JF_{126} 5 15.0 0°.75 5°.6/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.57	− 8 55.7	1.293	2.174	16.4	20.0
4 21	15 47.31	− 8 6.2	1.232	2.172	12.4	19.8
5 1	15 40.35	− 7 18.3	1.191	2.172	8.3	19.5
5 11	15 31.66	− 6 38.4	1.174	2.172	5.6	19.4
5 21	15 22.49	− 6 12.1	1.180	2.172	7.2	19.5
5 31	15 14.19	− 6 4.0	1.210	2.173	11.2	19.7
6 10	15 7.89	− 6 15.7	1.261	2.175	15.4	19.9
6 20	15 4.28	− 6 46.2	1.330	2.177	19.0	20.2

313113 2000 XP_{44} 5 15.0 57°.04 0°.4/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.24	−21 41.3	1.367	2.231	16.7	20.9
4 21	15 49.25	−21 19.5	1.306	2.240	12.5	20.7
5 1	15 41.47	−20 46.1	1.266	2.248	7.6	20.4
5 11	15 31.97	−20 3.5	1.249	2.257	2.3	20.1
5 21	15 22.07	−19 15.9	1.258	2.266	3.1	20.2
5 31	15 13.19	−18 29.3	1.292	2.275	8.3	20.5
6 10	15 6.45	−17 49.9	1.349	2.284	12.9	20.8
6 20	15 2.50	−17 22.0	1.425	2.293	16.8	21.1

469097 2015 CT_{30} 5 15.0 137°.91 2°.4/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.64	−13 0.0	2.126	2.976	12.1	21.8
4 21	15 48.56	−12 33.5	2.061	2.988	9.0	21.7
5 1	15 40.67	−12 5.5	2.020	3.000	5.5	21.5
5 11	15 31.69	−11 38.7	2.007	3.011	2.6	21.3
5 21	15 22.48	−11 16.0	2.022	3.021	3.8	21.4
5 31	15 13.93	−11 0.1	2.066	3.031	7.1	21.6
6 10	15 6.80	−10 53.3	2.135	3.041	10.3	21.8
6 20	15 1.56	−10 56.6	2.227	3.050	13.2	22.0

37165 2000 WS_{13} 5 15.0 196°.72 0°.2/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.14	−18 30.2	2.046	2.889	12.8	18.8
4 21	15 50.77	−18 51.7	1.964	2.887	9.6	18.6
5 1	15 42.21	−19 9.3	1.906	2.885	5.8	18.4
5 11	15 32.20	−19 23.1	1.875	2.883	1.7	18.1
5 21	15 21.68	−19 33.7	1.873	2.880	2.5	18.1
5 31	15 11.70	−19 42.7	1.899	2.877	6.6	18.4
6 10	15 3.21	−19 52.3	1.951	2.873	10.3	18.6
6 20	14 56.86	−20 5.0	2.027	2.869	13.5	18.8

60175 1999 VQ_{1} 5 15.0 324°.15 3°.9/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.94	−26 32.6	1.885	2.720	14.1	18.7
4 21	15 49.71	−27 32.1	1.790	2.702	11.0	18.5
5 1	15 41.89	−28 24.1	1.718	2.684	7.6	18.3
5 11	15 32.19	−29 5.7	1.671	2.667	4.6	18.0
5 21	15 21.60	−29 35.2	1.651	2.650	4.4	18.0
5 31	15 11.37	−29 52.7	1.658	2.634	7.5	18.1
6 10	15 2.71	−30 1.4	1.689	2.618	11.2	18.3
6 20	14 56.48	−30 5.4	1.743	2.603	14.6	18.5

124535 2001 RJ_{94} 5 15.0 186°.68 0°.5/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.06	−19 20.3	2.078	2.925	12.5	20.8
4 21	15 48.36	−18 55.0	1.999	2.924	9.3	20.6
5 1	15 40.67	−18 22.8	1.943	2.924	5.6	20.3
5 11	15 31.73	−17 45.6	1.915	2.923	1.6	20.0
5 21	15 22.43	−17 6.4	1.915	2.921	2.6	20.1
5 31	15 13.73	−16 28.9	1.943	2.919	6.6	20.4
6 10	15 6.47	−15 57.1	1.996	2.916	10.2	20.6
6 20	15 1.22	−15 33.9	2.073	2.913	13.4	20.8

170638 2003 YP_{80} 5 15.0 123°.61 3°.8/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.80	−29 11.6	1.692	2.523	15.6	20.3
4 21	15 50.93	−29 21.3	1.621	2.530	12.1	20.1
5 1	15 42.44	−29 15.7	1.572	2.537	8.3	19.9
5 11	15 32.27	−28 53.8	1.547	2.544	4.7	19.7
5 21	15 21.66	−28 17.2	1.549	2.550	4.2	19.7
5 31	15 11.93	−27 30.3	1.577	2.557	7.4	19.9
6 10	15 4.18	−26 39.8	1.630	2.563	11.2	20.1
6 20	14 59.08	−25 51.9	1.705	2.569	14.7	20.3

307967 2004 JG_{13} 5 15.0 312°.94 21°.2/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 5.05	+23 2.0	1.082	1.879	24.6	19.9
4 21	15 57.90	+23 58.5	1.034	1.873	23.0	19.7
5 1	15 46.97	+24 12.4	1.000	1.867	21.7	19.6
5 11	15 33.63	+23 30.7	0.982	1.861	21.2	19.5
5 21	15 19.70	+21 47.6	0.981	1.856	21.7	19.6
5 31	15 7.16	+19 6.6	0.997	1.851	23.2	19.6
6 10	14 57.54	+15 40.0	1.031	1.847	25.3	19.8
6 20	14 51.62	+11 44.0	1.080	1.842	27.5	19.9

37205 2000 WD_{102} 5 15.0 263°.64 5°.0/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 49.33	− 4 46.8	2.352	3.205	11.0	19.7
4 21	15 44.63	− 3 58.7	2.273	3.196	8.5	19.5
5 1	15 38.35	− 3 14.0	2.220	3.186	6.2	19.3
5 11	15 31.07	− 2 36.7	2.193	3.176	5.0	19.2
5 21	15 23.46	− 2 10.2	2.194	3.167	6.1	19.3
5 31	15 16.29	− 1 57.3	2.221	3.157	8.4	19.4
6 10	15 10.22	− 1 59.2	2.273	3.147	11.1	19.6
6 20	15 5.74	− 2 15.6	2.346	3.137	13.5	19.7

57305 2001 QJ_{199} 5 15.0 165°.61 0°.3/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.06	−19 39.0	2.350	3.191	11.4	18.6
4 21	15 47.47	−19 47.2	2.270	3.193	8.5	18.4
5 1	15 40.10	−19 50.5	2.215	3.194	5.2	18.2
5 11	15 31.58	−19 49.7	2.188	3.195	1.6	17.9
5 21	15 22.72	−19 45.7	2.189	3.196	2.2	18.0
5 31	15 14.35	−19 40.7	2.219	3.197	5.7	18.2
6 10	15 7.23	−19 37.0	2.276	3.198	9.0	18.4
6 20	15 1.89	−19 37.0	2.356	3.199	11.9	18.6

518917 2010 GN_{22} 5 15.0 144°.75 0°.4/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.03	−21 32.3	2.246	3.084	12.0	22.2
4 21	15 48.16	−21 15.8	2.173	3.094	8.9	22.0
5 1	15 40.47	−20 51.7	2.125	3.103	5.4	21.8
5 11	15 31.68	−20 21.4	2.104	3.112	1.7	21.6
5 21	15 22.63	−19 47.3	2.112	3.120	2.2	21.6
5 31	15 14.20	−19 12.7	2.149	3.127	5.9	21.9
6 10	15 7.16	−18 41.3	2.212	3.134	9.3	22.1
6 20	15 2.00	−18 16.1	2.299	3.141	12.2	22.3

404525 2013 HN_{116} 5 15.0 222°.79 1°.9/13.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.04	−16 53.3	1.639	2.499	14.6	22.0
4 21	15 49.59	−16 7.9	1.559	2.492	10.9	21.7
5 1	15 41.65	−15 14.8	1.501	2.484	6.6	21.5
5 11	15 32.08	−14 17.7	1.470	2.476	2.4	21.2
5 21	15 21.99	−13 21.7	1.465	2.468	4.0	21.3
5 31	15 12.60	−12 32.3	1.486	2.459	8.6	21.5
6 10	15 4.97	−11 54.7	1.532	2.450	12.9	21.7
6 20	14 59.80	−11 31.7	1.598	2.440	16.6	21.9

395080 2009 HK_{58} 5 15.0 9°.37 5°.0/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 47.58	− 9 50.0	1.858	2.728	12.7	19.8
4 21	15 43.62	− 8 14.9	1.794	2.729	9.6	19.6
5 1	15 37.82	− 6 38.1	1.754	2.731	6.5	19.4
5 11	15 30.92	− 5 6.5	1.741	2.733	5.0	19.3
5 21	15 23.77	− 3 46.4	1.755	2.736	6.5	19.4
5 31	15 17.25	− 2 43.3	1.794	2.740	9.5	19.6
6 10	15 12.11	− 2 0.3	1.857	2.743	12.6	19.8
6 20	15 8.85	− 1 38.0	1.941	2.748	15.4	20.0

189854 2003 FR_{105} 5 15.0 11°.70 3°.8/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.86	−12 9.9	1.402	2.280	15.6	20.1
4 21	15 46.63	−11 31.5	1.340	2.281	11.6	19.8
5 1	15 39.89	−10 51.7	1.300	2.284	7.3	19.6
5 11	15 31.57	−10 15.2	1.284	2.287	3.9	19.4
5 21	15 22.82	− 9 47.0	1.292	2.291	5.5	19.5
5 31	15 14.92	− 9 31.3	1.325	2.295	9.7	19.7
6 10	15 8.89	− 9 30.7	1.379	2.300	13.8	20.0
6 20	15 5.37	− 9 45.7	1.453	2.306	17.4	20.2

296504 2009 KM_{1} 5 15.0 328°.93 0°.4/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 48.06	−22 11.2	1.849	2.706	13.3	20.3
4 21	15 44.24	−21 6.7	1.760	2.692	9.9	20.0
5 1	15 38.34	−19 48.9	1.696	2.678	6.0	19.8
5 11	15 31.12	−18 21.4	1.657	2.665	1.7	19.4
5 21	15 23.49	−16 49.7	1.645	2.652	2.9	19.5
5 31	15 16.44	−15 20.6	1.661	2.640	7.2	19.7
6 10	15 10.86	−14 0.8	1.702	2.629	11.3	19.9
6 20	15 7.35	−12 55.3	1.765	2.618	14.8	20.1

410353 2007 VE_{11} 5 15.0 231°.17 3°.2/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.34	−11 47.9	1.835	2.690	13.5	21.8
4 21	15 50.38	−11 20.8	1.749	2.678	10.2	21.6
5 1	15 42.09	−10 52.4	1.686	2.665	6.4	21.4
5 11	15 32.24	−10 25.9	1.649	2.651	3.4	21.1
5 21	15 21.81	−10 4.9	1.640	2.637	4.7	21.2
5 31	15 11.91	− 9 52.8	1.658	2.622	8.6	21.4
6 10	15 3.56	− 9 52.2	1.700	2.607	12.5	21.6
6 20	14 57.46	−10 4.3	1.764	2.590	15.9	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
251734 1998 KB_{12}			5 15.0 107°.01	5°.4/11.4 18		
	h m	° ′			°	m
4 11	15 56.68	−16 47.9	1.122	2.000	18.5	20.4
4 21	15 51.18	−14 4.4	1.069	2.011	13.7	20.1
5 1	15 42.63	−11 5.9	1.038	2.022	8.5	19.9
5 11	15 32.34	− 8 6.7	1.032	2.033	5.4	19.7
5 21	15 21.85	− 5 22.9	1.052	2.043	8.1	19.9
5 31	15 12.72	− 3 8.6	1.097	2.053	12.9	20.2
6 10	15 6.08	− 1 31.3	1.163	2.062	17.5	20.5
6 20	15 2.48	− 0 31.2	1.246	2.072	21.3	20.8
147309 2003 AS_{88}			5 15.0 74°.30	2°.4/16.7 18		
4 11	15 56.56	−28 33.3	1.637	2.472	15.8	19.5
4 21	15 50.40	−27 56.0	1.586	2.500	12.0	19.3
5 1	15 41.88	−27 1.8	1.556	2.527	7.8	19.1
5 11	15 32.08	−25 53.0	1.552	2.554	3.6	18.9
5 21	15 22.23	−24 34.3	1.575	2.581	3.2	19.0
5 31	15 13.52	−23 12.8	1.625	2.608	7.0	19.3
6 10	15 6.85	−21 56.0	1.701	2.634	10.8	19.5
6 20	15 2.70	−20 49.5	1.799	2.660	14.2	19.8
426946 2013 YN_{20}			5 15.0 219°.24	5°.5/18.8 18		
4 11	15 56.09	−36 26.6	2.263	3.051	13.5	21.1
4 21	15 50.15	−36 43.3	2.172	3.044	11.1	20.9
5 1	15 41.92	−36 43.5	2.102	3.037	8.5	20.7
5 11	15 32.18	−36 25.0	2.057	3.030	6.3	20.6
5 21	15 21.93	−35 47.9	2.039	3.022	5.6	20.5
5 31	15 12.28	−34 55.2	2.048	3.013	7.2	20.6
6 10	15 4.23	−33 52.5	2.084	3.004	9.8	20.7
6 20	14 58.44	−32 46.3	2.143	2.995	12.5	20.9
435293 2007 TV_{413}			5 15.0 275°.53	2°.8/13.5 18		
4 11	15 53.04	−11 43.2	2.102	2.956	12.1	21.2
4 21	15 47.77	−11 24.0	2.004	2.933	9.1	21.0
5 1	15 40.48	−11 4.0	1.930	2.909	5.7	20.7
5 11	15 31.78	−10 45.9	1.883	2.885	3.0	20.5
5 21	15 22.49	−10 32.5	1.863	2.861	4.2	20.5
5 31	15 13.57	−10 26.6	1.871	2.837	7.7	20.7
6 10	15 5.90	−10 30.3	1.905	2.812	11.3	20.8
6 20	15 0.14	−10 44.9	1.960	2.787	14.5	21.0
35699 1999 CO_{118}			5 15.0 330°.58	3°.1/13.6 17		
4 11	15 51.68	−14 46.6	1.224	2.106	17.0	18.4
4 21	15 47.73	−14 4.9	1.154	2.098	12.7	18.1
5 1	15 40.82	−13 17.3	1.104	2.090	7.8	17.8
5 11	15 31.91	−12 28.7	1.077	2.083	3.5	17.5
5 21	15 22.34	−11 45.3	1.074	2.077	5.3	17.6
5 31	15 13.61	−11 13.3	1.095	2.071	10.4	17.8
6 10	15 7.03	−10 57.4	1.136	2.066	15.3	18.1
6 20	15 3.36	−10 59.5	1.195	2.061	19.5	18.3
188373 2004 BZ_{132}			5 15.0 275°.42	3°.2/10.9 18		
4 11	15 42.72	− 2 39.0	4.504	5.345	6.4	20.5
4 21	15 39.15	− 2 10.0	4.427	5.339	5.0	20.4
5 1	15 34.82	− 1 44.0	4.377	5.334	3.7	20.3
5 11	15 30.04	− 1 22.9	4.355	5.329	3.2	20.2
5 21	15 25.13	− 1 8.1	4.362	5.324	3.8	20.3
5 31	15 20.43	− 1 0.6	4.397	5.319	5.0	20.4
6 10	15 16.26	− 1 1.2	4.458	5.313	6.4	20.5
6 20	15 12.86	− 1 9.9	4.542	5.308	7.8	20.6
314442 2005 VE_{16}			5 15.0 230°.41	1°.3/16.2 18		
4 11	15 50.76	−25 41.3	3.160	3.979	9.3	21.9
4 21	15 45.48	−25 24.7	3.057	3.965	7.1	21.7
5 1	15 38.80	−24 59.9	2.980	3.950	4.6	21.6
5 11	15 31.23	−24 27.6	2.932	3.935	2.0	21.4
5 21	15 23.36	−23 49.2	2.913	3.919	1.9	21.3
5 31	15 15.83	−23 7.3	2.924	3.903	4.5	21.5
6 10	15 9.23	−22 24.9	2.964	3.886	7.2	21.6
6 20	15 4.01	−21 45.0	3.029	3.868	9.6	21.8
475150 2005 UC_{370}			5 15.0 255°.75	0°.7/14.6 18		
4 11	15 53.45	−15 47.4	2.534	3.377	10.6	21.6
4 21	15 47.73	−15 59.4	2.440	3.364	7.9	21.4
5 1	15 40.29	−16 9.7	2.372	3.352	4.8	21.2
5 11	15 31.70	−16 19.0	2.332	3.339	1.5	21.0
5 21	15 22.66	−16 28.3	2.320	3.326	2.4	21.0
5 31	15 13.97	−16 38.9	2.339	3.313	5.8	21.2
6 10	15 6.38	−16 52.5	2.384	3.300	9.0	21.4
6 20	15 0.43	−17 10.2	2.453	3.286	11.8	21.5
230056 2000 SS_{182}			5 15.0 214°.40	1°.5/14.1 17		
4 11	15 52.99	−16 31.8	2.104	2.955	12.2	21.2
4 21	15 47.59	−15 59.6	2.021	2.950	9.0	21.0
5 1	15 40.26	−15 22.2	1.962	2.944	5.4	20.8
5 11	15 31.69	−14 42.4	1.930	2.937	1.9	20.5
5 21	15 22.74	−14 3.3	1.926	2.930	3.2	20.6
5 31	15 14.32	−13 28.7	1.951	2.923	6.9	20.8
6 10	15 7.26	−13 2.1	2.001	2.915	10.5	21.0
6 20	15 2.12	−12 45.8	2.073	2.906	13.6	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
405417 2004 RS_{197}			5 15.0 281°.77	2°.6/16.2 17		
	h m	° ′			°	m
4 11	15 55.64	−25 38.1	1.427	2.279	16.8	21.2
4 21	15 50.85	−25 40.8	1.333	2.258	13.0	20.9
5 1	15 42.89	−25 29.1	1.260	2.236	8.6	20.5
5 11	15 32.60	−25 1.9	1.211	2.214	3.9	20.2
5 21	15 21.28	−24 20.6	1.186	2.192	3.8	20.1
5 31	15 10.53	−23 30.1	1.186	2.170	8.7	20.3
6 10	15 1.87	−22 38.1	1.209	2.148	13.8	20.6
6 20	14 56.26	−21 52.0	1.252	2.125	18.3	20.8
142247 2002 RS_{100}			5 15.0 231°.20	0°.3/15.2 18		
4 11	15 55.62	−20 39.7	1.980	2.824	13.1	20.9
4 21	15 49.81	−20 28.9	1.888	2.812	9.9	20.7
5 1	15 41.74	−20 10.2	1.821	2.800	6.0	20.4
5 11	15 32.16	−19 44.8	1.779	2.787	1.8	20.1
5 21	15 22.02	−19 14.8	1.766	2.773	2.6	20.1
5 31	15 12.40	−18 43.9	1.781	2.759	6.9	20.4
6 10	15 4.28	−18 16.1	1.821	2.745	10.8	20.6
6 20	14 58.34	−17 55.2	1.884	2.729	14.3	20.8
520953 2014 YU_{58}			5 15.0 227°.30	4°.5/17.7 17		
4 11	15 56.37	−32 10.0	1.904	2.719	14.7	22.2
4 21	15 50.62	−32 17.8	1.815	2.712	11.8	22.0
5 1	15 42.34	−32 9.2	1.748	2.704	8.4	21.8
5 11	15 32.34	−31 42.4	1.706	2.695	5.4	21.6
5 21	15 21.77	−30 58.4	1.690	2.687	4.8	21.5
5 31	15 11.86	−30 1.0	1.701	2.678	7.4	21.6
6 10	15 3.75	−28 56.9	1.738	2.668	10.9	21.8
6 20	14 58.14	−27 53.2	1.797	2.658	14.2	22.0
352028 2006 VE_{56}			5 15.0 128°.33	0°.5/14.7 17		
4 11	15 50.88	−18 30.8	2.597	3.440	10.4	22.4
4 21	15 45.62	−18 10.9	2.526	3.451	7.7	22.3
5 1	15 38.88	−17 46.3	2.480	3.460	4.6	22.1
5 11	15 31.26	−17 18.8	2.462	3.470	1.3	21.8
5 21	15 23.43	−16 50.5	2.473	3.479	2.2	21.9
5 31	15 16.10	−16 23.9	2.513	3.488	5.4	22.2
6 10	15 9.90	−16 1.9	2.580	3.497	8.3	22.4
6 20	15 5.26	−15 46.3	2.670	3.505	10.9	22.5
198152 2004 TY_{53}			5 15.0 234°.90	0°.4/14.8 17		
4 11	15 53.01	−19 22.1	2.010	2.860	12.7	21.2
4 21	15 47.75	−19 2.4	1.925	2.853	9.5	21.0
5 1	15 40.43	−18 35.7	1.864	2.845	5.7	20.8
5 11	15 31.76	−18 3.9	1.830	2.837	1.7	20.5
5 21	15 22.65	−17 29.7	1.823	2.829	2.6	20.5
5 31	15 14.08	−16 56.7	1.843	2.821	6.7	20.8
6 10	15 6.95	−16 29.0	1.890	2.813	10.5	21.0
6 20	15 1.86	−16 9.4	1.958	2.804	13.8	21.2
289206 2004 XJ_{12}			5 15.0 147°.41	0°.7/14.7 18		
4 11	15 57.52	−18 0.1	1.728	2.579	14.4	21.1
4 21	15 51.20	−17 47.3	1.660	2.588	10.7	20.8
5 1	15 42.52	−17 28.6	1.615	2.596	6.4	20.6
5 11	15 32.36	−17 5.8	1.596	2.603	1.9	20.3
5 21	15 21.82	−16 41.6	1.604	2.610	3.1	20.4
5 31	15 12.09	−16 19.9	1.640	2.616	7.5	20.7
6 10	15 4.15	−16 4.3	1.700	2.622	11.6	21.0
6 20	14 58.64	−15 57.4	1.782	2.627	15.0	21.2
366497 2002 OD_{28}			5 15.0 333°.00	4°.5/17.3 17		
4 11	15 52.63	−29 59.6	1.341	2.191	17.8	20.9
4 21	15 48.60	−30 3.1	1.264	2.183	14.1	20.6
5 1	15 41.43	−29 46.9	1.207	2.176	9.8	20.3
5 11	15 32.13	−29 9.5	1.172	2.169	5.6	20.1
5 21	15 22.10	−28 13.1	1.160	2.163	4.9	20.0
5 31	15 12.96	−27 3.7	1.173	2.158	8.7	20.2
6 10	15 6.10	−25 50.8	1.208	2.153	13.2	20.4
6 20	15 2.32	−24 43.1	1.263	2.148	17.4	20.7
422174 2014 RG_{19}			5 15.0 243°.30	2°.9/13.6 17		
4 11	15 55.73	−13 38.2	1.619	2.480	14.7	21.3
4 21	15 50.21	−13 6.9	1.535	2.468	11.0	21.1
5 1	15 42.13	−12 32.1	1.474	2.456	6.8	20.8
5 11	15 32.30	−11 57.3	1.438	2.443	3.2	20.5
5 21	15 21.83	−11 26.7	1.429	2.430	4.7	20.6
5 31	15 11.98	−11 4.7	1.446	2.416	9.1	20.8
6 10	15 3.86	−10 54.8	1.487	2.402	13.4	21.0
6 20	14 58.24	−10 58.9	1.548	2.387	17.1	21.2
354740 2005 TA_{2}			5 15.0 180°.77	3°.9/17.6 16		
4 11	15 53.63	−31 41.9	2.557	3.361	11.7	21.2
4 21	15 47.99	−32 5.1	2.472	3.361	9.3	21.0
5 1	15 40.48	−32 16.7	2.411	3.362	6.7	20.8
5 11	15 31.77	−32 15.7	2.376	3.362	4.5	20.7
5 21	15 22.66	−32 2.2	2.369	3.361	4.0	20.7
5 31	15 14.04	−31 38.3	2.390	3.361	5.9	20.8
6 10	15 6.70	−31 7.7	2.438	3.361	8.5	21.0
6 20	15 1.21	−30 34.7	2.510	3.360	11.0	21.1

457669 2009 DL_{43} 5 15.0 22°.15 3°.9/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 54.99	−10 58.0	1.296	2.171	16.7	20.8
4 21	15 49.93	−10 40.6	1.234	2.173	12.5	20.6
5 1	15 42.01	−10 24.3	1.193	2.175	7.9	20.3
5 11	15 32.26	−10 13.1	1.175	2.178	4.2	20.1
5 21	15 21.98	−10 10.7	1.182	2.181	5.7	20.2
5 31	15 12.62	−10 20.2	1.212	2.185	10.2	20.5
6 10	15 5.38	−10 43.2	1.265	2.188	14.6	20.7
6 20	15 0.99	−11 19.3	1.337	2.192	18.5	21.0

62546 2000 SV_{261} 5 15.0 119°.02 3°.5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.48	−13 16.7	1.534	2.401	15.1	19.5
4 21	15 49.08	−12 23.2	1.473	2.408	11.2	19.2
5 1	15 41.28	−11 26.2	1.434	2.416	7.0	19.0
5 11	15 32.00	−10 31.0	1.419	2.422	3.6	18.8
5 21	15 22.39	− 9 42.8	1.432	2.429	5.2	18.9
5 31	15 13.66	− 9 6.8	1.469	2.436	9.3	19.2
6 10	15 6.78	− 8 46.4	1.530	2.442	13.3	19.4
6 20	15 2.36	− 8 42.5	1.611	2.448	16.7	19.7

390235 2012 XM_{54} 5 15.0 143°.03 2°.6/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.58	−11 34.6	2.365	3.216	11.0	20.9
4 21	15 46.26	−11 12.4	2.294	3.222	8.2	20.7
5 1	15 39.32	−10 50.0	2.248	3.227	5.1	20.5
5 11	15 31.41	−10 29.8	2.230	3.232	2.7	20.4
5 21	15 23.24	−10 14.3	2.240	3.237	3.8	20.5
5 31	15 15.59	−10 5.7	2.278	3.241	6.7	20.6
6 10	15 9.12	−10 5.7	2.342	3.245	9.6	20.8
6 20	15 4.31	−10 15.0	2.429	3.249	12.3	21.0

446624 2015 MU_{91} 5 15.0 341°.21 9°.2/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.77	−47 57.8	2.300	3.026	15.1	20.3
4 21	15 50.27	−48 33.1	2.215	3.022	13.3	20.2
5 1	15 42.14	−48 46.4	2.150	3.020	11.5	20.1
5 11	15 32.29	−48 33.7	2.106	3.017	9.9	20.0
5 21	15 21.91	−47 54.0	2.085	3.015	9.2	19.9
5 31	15 12.34	−46 49.7	2.089	3.012	9.6	19.9
6 10	15 4.70	−45 27.0	2.118	3.010	11.0	20.0
6 20	14 59.67	−43 53.6	2.168	3.009	12.8	20.1

335163 2004 XZ_{102} 5 15.0 129°.21 12°.3/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 11.69	−61 33.4	2.447	3.050	16.9	20.6
4 21	16 2.64	−62 12.1	2.375	3.061	15.7	20.5
5 1	15 49.71	−62 22.7	2.317	3.072	14.4	20.4
5 11	15 34.45	−61 59.1	2.278	3.082	13.2	20.3
5 21	15 18.93	−60 58.9	2.258	3.093	12.5	20.3
5 31	15 5.24	−59 24.9	2.261	3.102	12.3	20.3
6 10	14 54.85	−57 25.0	2.287	3.112	12.7	20.3
6 20	14 48.37	−55 9.3	2.335	3.121	13.7	20.4

472408 2015 BC_{244} 5 15.0 130°.96 4°.7/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.31	− 8 53.2	1.766	2.630	13.6	21.8
4 21	15 47.23	− 7 58.8	1.701	2.633	10.2	21.6
5 1	15 40.08	− 7 5.3	1.659	2.635	6.8	21.4
5 11	15 31.65	− 6 17.7	1.643	2.638	4.8	21.3
5 21	15 22.90	− 5 40.7	1.653	2.641	6.1	21.4
5 31	15 14.84	− 5 18.3	1.690	2.643	9.3	21.6
6 10	15 8.34	− 5 12.3	1.749	2.646	12.7	21.8
6 20	15 3.94	− 5 22.6	1.829	2.648	15.7	22.0

61099 2000 LG_{29} 5 15.0 304°.91 3°.5/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.69	−12 53.6	1.532	2.404	14.8	18.7
4 21	15 47.51	−12 16.4	1.436	2.374	11.2	18.4
5 1	15 40.69	−11 35.2	1.362	2.345	7.1	18.0
5 11	15 31.95	−10 54.1	1.312	2.315	3.7	17.8
5 21	15 22.33	−10 18.2	1.287	2.286	5.4	17.8
5 31	15 13.12	− 9 52.7	1.287	2.257	9.9	18.0
6 10	15 5.56	− 9 41.9	1.309	2.228	14.5	18.1
6 20	15 0.52	− 9 47.7	1.351	2.200	18.6	18.3

97295 1999 XP_{178} 5 15.0 171°.04 3°.7/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.01	−31 29.2	2.405	3.211	12.3	20.0
4 21	15 49.04	−31 37.9	2.322	3.214	9.7	19.8
5 1	15 41.12	−31 33.7	2.262	3.216	6.9	19.6
5 11	15 31.96	−31 15.8	2.229	3.218	4.4	19.5
5 21	15 22.44	−30 45.0	2.224	3.220	3.9	19.4
5 31	15 13.51	−30 4.4	2.247	3.221	6.0	19.6
6 10	15 5.99	−29 18.4	2.297	3.222	8.8	19.7
6 20	15 0.44	−28 31.9	2.371	3.222	11.5	19.9

259074 2002 VL_{9} 5 15.0 220°.23 3°.2/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.85	−27 47.4	1.911	2.738	14.2	21.1
4 21	15 50.92	−28 1.3	1.823	2.732	11.0	20.9
5 1	15 42.51	−28 2.8	1.758	2.724	7.5	20.6
5 11	15 32.43	−27 50.8	1.719	2.717	4.1	20.4
5 21	15 21.74	−27 26.0	1.706	2.709	3.7	20.4
5 31	15 11.66	−26 51.6	1.721	2.700	7.0	20.6
6 10	15 3.28	−26 12.9	1.762	2.691	10.8	20.8
6 20	14 57.31	−25 35.4	1.825	2.682	14.2	21.0

408328 2013 GY_{63} 5 15.0 120°.35 1°.4/15.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.18	−23 51.3	1.503	2.353	16.2	21.8
4 21	15 51.32	−23 37.9	1.438	2.363	12.2	21.6
5 1	15 42.74	−23 11.8	1.394	2.372	7.6	21.3
5 11	15 32.47	−22 34.0	1.375	2.381	2.8	21.1
5 21	15 21.79	−21 48.0	1.382	2.389	3.0	21.1
5 31	15 12.09	−20 59.2	1.415	2.397	7.8	21.4
6 10	15 4.50	−20 14.2	1.472	2.405	12.2	21.7
6 20	14 59.66	−19 38.0	1.550	2.413	16.0	21.9

501576 2014 OA_{296} 5 15.0 298°.16 0°.4/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.42	−19 41.7	1.266	2.139	17.2	21.4
4 21	15 49.30	−19 22.6	1.181	2.120	13.0	21.1
5 1	15 41.99	−18 52.7	1.116	2.101	8.0	20.7
5 11	15 32.37	−18 14.0	1.074	2.082	2.3	20.3
5 21	15 21.78	−17 30.6	1.056	2.063	3.7	20.3
5 31	15 11.85	−16 48.6	1.061	2.045	9.6	20.6
6 10	15 4.06	−16 15.0	1.089	2.027	15.0	20.9
6 20	14 59.38	−15 54.7	1.134	2.009	19.7	21.1

80694 2000 CN 5 15.0 129°.18 2°.9/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.89	−13 7.9	1.841	2.698	13.4	20.7
4 21	15 49.02	−12 27.4	1.779	2.710	9.9	20.5
5 1	15 41.10	−11 44.7	1.741	2.721	6.1	20.3
5 11	15 31.96	−11 3.5	1.729	2.732	3.1	20.1
5 21	15 22.57	−10 27.7	1.744	2.743	4.4	20.2
5 31	15 13.94	−10 1.1	1.787	2.753	8.0	20.4
6 10	15 6.91	− 9 46.3	1.855	2.762	11.6	20.7
6 20	15 2.02	− 9 44.4	1.944	2.771	14.6	20.9

479793 2014 FD_{1} 5 15.0 131°.54 0°.9/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.98	−17 12.9	2.218	3.070	11.6	21.7
4 21	15 46.01	−16 56.7	2.141	3.070	8.6	21.5
5 1	15 39.28	−16 36.1	2.088	3.070	5.2	21.3
5 11	15 31.45	−16 13.2	2.062	3.070	1.6	21.0
5 21	15 23.28	−15 50.1	2.065	3.070	2.6	21.1
5 31	15 15.64	−15 30.0	2.095	3.070	6.2	21.3
6 10	15 9.27	−15 15.3	2.151	3.070	9.6	21.5
6 20	15 4.67	−15 8.3	2.229	3.070	12.5	21.7

249185 2008 CG_{133} 5 15.0 286°.95 7°.6/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 48.83	+ 1 58.4	2.232	3.078	11.8	20.5
4 21	15 44.41	+ 3 11.1	2.156	3.062	9.7	20.3
5 1	15 38.33	+ 4 16.3	2.104	3.046	8.1	20.2
5 11	15 31.18	+ 5 8.6	2.077	3.031	7.6	20.1
5 21	15 23.66	+ 5 43.2	2.077	3.015	8.7	20.2
5 31	15 16.57	+ 5 57.3	2.101	2.999	10.7	20.3
6 10	15 10.61	+ 5 50.3	2.147	2.983	13.1	20.4
6 20	15 6.29	+ 5 23.4	2.213	2.968	15.3	20.5

219564 2001 SU_{90} 5 15.1 165°.36 5°.4/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.70	− 5 46.3	2.140	2.992	12.0	21.4
4 21	15 47.17	− 4 32.1	2.076	2.997	9.2	21.2
5 1	15 39.91	− 3 20.2	2.036	3.002	6.6	21.0
5 11	15 31.62	− 2 16.1	2.023	3.006	5.4	21.0
5 21	15 23.09	− 1 24.5	2.038	3.009	6.6	21.0
5 31	15 15.15	− 0 49.0	2.080	3.012	9.2	21.2
6 10	15 8.53	− 0 31.2	2.147	3.014	11.9	21.4
6 20	15 3.71	− 0 30.7	2.234	3.016	14.4	21.6

9187 Walterkröll 5 15.1 329°.39 1°.5/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 48.19	−18 55.4	1.176	2.062	17.3	17.5
4 21	15 45.43	−18 12.2	1.097	2.043	13.0	17.2
5 1	15 39.63	−17 16.2	1.037	2.025	7.9	16.9
5 11	15 31.68	−16 11.6	1.000	2.008	2.5	16.5
5 21	15 22.89	−15 5.0	0.985	1.992	4.3	16.5
5 31	15 14.84	−14 4.5	0.993	1.977	10.1	16.8
6 10	15 8.92	−13 18.1	1.022	1.963	15.5	17.1
6 20	15 6.01	−12 50.3	1.069	1.951	20.1	17.3

203511 2002 AX_{156} 5 15.1 15°.54 0°.8/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 49.25	−19 52.4	0.999	1.891	19.1	19.3
4 21	15 46.28	−19 19.7	0.947	1.896	14.2	19.0
5 1	15 40.04	−18 34.7	0.914	1.902	8.5	18.7
5 11	15 31.74	−17 41.8	0.901	1.909	2.5	18.3
5 21	15 22.95	−16 47.6	0.910	1.918	4.0	18.5
5 31	15 15.34	−16 0.0	0.942	1.928	9.9	18.8
6 10	15 10.23	−15 25.7	0.993	1.940	15.2	19.2
6 20	15 8.29	−15 8.2	1.062	1.952	19.6	19.5

254656 2005 JA_{181} 5 15.1 341°.14 1°.2/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.78	−24 3.3	1.297	2.165	17.2	19.7
4 21	15 47.09	−23 35.2	1.223	2.158	13.0	19.5
5 1	15 40.46	−22 51.0	1.170	2.152	8.1	19.2
5 11	15 31.88	−21 52.8	1.139	2.146	2.9	18.8
5 21	15 22.68	−20 45.4	1.133	2.141	3.2	18.8
5 31	15 14.34	−19 36.5	1.150	2.137	8.6	19.1
6 10	15 8.15	−18 34.1	1.190	2.133	13.6	19.4
6 20	15 4.85	−17 44.7	1.250	2.130	17.9	19.7

270344 2001 XP_{223} 5 15.1 215°.43 1°.0/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 55.73	−22 7.7	2.130	2.967	12.6	22.0
4 21	15 49.76	−22 10.0	2.041	2.960	9.5	21.7
5 1	15 41.68	−22 4.7	1.976	2.953	5.9	21.5
5 11	15 32.19	−21 52.1	1.938	2.944	2.1	21.2
5 21	15 22.20	−21 33.7	1.929	2.936	2.4	21.2
5 31	15 12.73	−21 12.1	1.947	2.927	6.3	21.5
6 10	15 4.68	−20 51.1	1.992	2.917	10.0	21.7
6 20	14 58.69	−20 34.2	2.061	2.907	13.2	21.9

502820 2015 DK_{131} 5 15.1 320°.03 7°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.91	− 0 46.1	1.832	2.687	13.5	20.6
4 21	15 46.92	+ 0 1.5	1.766	2.684	10.8	20.5
5 1	15 39.92	+ 0 40.7	1.723	2.681	8.4	20.3
5 11	15 31.66	+ 1 6.2	1.705	2.678	7.3	20.2
5 21	15 23.03	+ 1 13.9	1.713	2.676	8.3	20.3
5 31	15 15.03	+ 1 1.8	1.745	2.673	10.8	20.4
6 10	15 8.48	+ 0 30.0	1.800	2.671	13.7	20.6
6 20	15 3.96	− 0 19.3	1.874	2.668	16.3	20.8

371469 2006 TS_{6} 5 15.1 301°.59 2°.2/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.06	−15 16.2	1.421	2.293	15.7	21.3
4 21	15 48.67	−14 56.5	1.334	2.273	11.8	21.0
5 1	15 41.46	−14 32.0	1.268	2.253	7.3	20.7
5 11	15 32.21	−14 5.7	1.226	2.233	2.8	20.4
5 21	15 22.12	−13 41.7	1.209	2.214	4.4	20.4
5 31	15 12.58	−13 24.4	1.217	2.195	9.4	20.7
6 10	15 4.91	−13 18.1	1.247	2.176	14.3	20.9
6 20	14 59.98	−13 25.2	1.296	2.157	18.6	21.1

510503 2012 AG_{3} 5 15.1 333°.69 3°.6/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 46.58	−37 52.5	4.042	4.808	8.4	20.1
4 21	15 42.27	−37 51.4	3.950	4.806	6.9	20.0
5 1	15 36.83	−37 39.7	3.881	4.803	5.4	19.9
5 11	15 30.71	−37 17.4	3.838	4.800	4.1	19.8
5 21	15 24.41	−36 44.9	3.824	4.798	3.7	19.8
5 31	15 18.44	−36 4.1	3.837	4.796	4.4	19.8
6 10	15 13.28	−35 17.4	3.879	4.793	5.9	19.9
6 20	15 9.27	−34 27.9	3.946	4.791	7.4	20.0

245109 2004 PR_{89} 5 15.1 282°.38 0°.7/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 49.83	−18 28.3	2.377	3.226	11.0	21.2
4 21	15 45.21	−18 0.3	2.280	3.207	8.2	21.0
5 1	15 38.85	−17 26.2	2.206	3.188	5.0	20.8
5 11	15 31.36	−16 48.0	2.161	3.168	1.5	20.5
5 21	15 23.44	−16 8.5	2.143	3.149	2.5	20.5
5 31	15 15.90	−15 31.0	2.154	3.129	6.1	20.7
6 10	15 9.49	−14 58.9	2.191	3.110	9.5	20.9
6 20	15 4.75	−14 35.0	2.251	3.090	12.5	21.1

51887 2001 QA_{17} 5 15.1 170°.15 1°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.02	−23 39.2	1.998	2.835	13.3	19.0
4 21	15 50.01	−23 40.5	1.920	2.838	10.1	18.8
5 1	15 41.82	−23 32.5	1.865	2.840	6.4	18.6
5 11	15 32.22	−23 15.4	1.837	2.842	2.5	18.4
5 21	15 22.21	−22 51.0	1.837	2.844	2.6	18.4
5 31	15 12.86	−22 22.5	1.865	2.845	6.5	18.6
6 10	15 5.08	−21 54.3	1.919	2.846	10.2	18.8
6 20	14 59.50	−21 30.2	1.995	2.846	13.4	19.0

432326 2009 UL_{83} 5 15.1 186°.31 0°.7/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.68	−18 34.3	2.086	2.934	12.4	22.2
4 21	15 48.12	−18 8.3	2.007	2.933	9.2	22.0
5 1	15 40.60	−17 36.1	1.952	2.933	5.5	21.7
5 11	15 31.86	−16 59.6	1.924	2.932	1.6	21.5
5 21	15 22.76	−16 21.9	1.925	2.931	2.7	21.5
5 31	15 14.24	−15 46.7	1.953	2.929	6.6	21.8
6 10	15 7.15	−15 17.7	2.008	2.926	10.2	22.0
6 20	15 2.02	−14 57.5	2.085	2.924	13.3	22.2

146987 2002 PC_{35} 5 15.1 221°.32 0°.8/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.31	−18 13.6	1.979	2.827	13.0	21.6
4 21	15 49.52	−17 49.7	1.891	2.818	9.7	21.4
5 1	15 41.57	−17 19.3	1.827	2.808	5.8	21.1
5 11	15 32.17	−16 44.3	1.790	2.798	1.8	20.8
5 21	15 22.28	−16 7.9	1.781	2.787	2.9	20.9
5 31	15 12.94	−15 33.7	1.800	2.775	7.1	21.1
6 10	15 5.08	−15 6.0	1.844	2.763	11.0	21.3
6 20	14 59.34	−14 47.6	1.911	2.750	14.4	21.5

411714 2012 AU_{20} 5 15.1 96°.69 0°.4/14.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.00	−19 6.5	1.548	2.405	15.5	21.8
4 21	15 50.98	−18 54.4	1.489	2.420	11.5	21.6
5 1	15 42.45	−18 34.9	1.453	2.435	6.9	21.4
5 11	15 32.40	−18 10.0	1.442	2.450	2.0	21.1
5 21	15 22.04	−17 42.9	1.457	2.464	3.1	21.2
5 31	15 12.65	−17 17.7	1.499	2.478	7.8	21.5
6 10	15 5.24	−16 58.8	1.565	2.492	12.0	21.8
6 20	15 0.41	−16 49.0	1.652	2.506	15.5	22.0

371158 2005 XF_{78} 5 15.1 210°.01 5°.0/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.79	−35 0.3	2.370	3.158	13.0	22.2
4 21	15 51.34	−35 17.1	2.275	3.150	10.6	22.0
5 1	15 42.66	−35 18.8	2.203	3.143	7.9	21.9
5 11	15 32.50	−35 3.4	2.157	3.134	5.6	21.7
5 21	15 21.81	−34 31.0	2.138	3.124	5.1	21.6
5 31	15 11.69	−33 44.2	2.148	3.114	6.8	21.7
6 10	15 3.09	−32 48.3	2.184	3.103	9.5	21.9
6 20	14 56.67	−31 49.2	2.244	3.092	12.2	22.0

517632 2014 YA_{56} 5 15.1 343°.92 2°.2/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.46	−11 49.1	1.688	2.546	14.3	20.7
4 21	15 50.63	−12 12.0	1.612	2.543	10.7	20.4
5 1	15 42.35	−12 37.2	1.559	2.540	6.6	20.2
5 11	15 32.43	−13 5.8	1.532	2.538	2.7	19.9
5 21	15 21.92	−13 38.4	1.532	2.536	3.8	20.0
5 31	15 12.05	−14 15.7	1.559	2.534	8.1	20.2
6 10	15 3.87	−14 58.5	1.611	2.532	12.1	20.5
6 20	14 58.11	−15 46.9	1.684	2.531	15.6	20.7

327667 2006 QD_{137} 5 15.1 315°.75 3°.4/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.98	−28 0.7	1.362	2.216	17.4	20.4
4 21	15 48.82	−27 54.6	1.282	2.205	13.5	20.1
5 1	15 41.59	−27 30.2	1.222	2.195	9.1	19.9
5 11	15 32.25	−26 47.0	1.184	2.186	4.6	19.6
5 21	15 22.17	−25 47.6	1.171	2.177	4.1	19.5
5 31	15 12.91	−24 38.6	1.182	2.168	8.5	19.7
6 10	15 5.85	−23 28.7	1.216	2.159	13.3	20.0
6 20	15 1.80	−22 26.1	1.270	2.152	17.6	20.2

371137 2005 WD_{122} 5 15.1 161°.65 1°.0/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.78	−16 31.1	2.429	3.270	11.1	22.3
4 21	15 48.61	−16 14.6	2.354	3.277	8.2	22.1
5 1	15 40.77	−15 54.5	2.304	3.284	4.9	21.9
5 11	15 31.89	−15 32.4	2.283	3.290	1.6	21.7
5 21	15 22.76	−15 10.6	2.291	3.295	2.6	21.8
5 31	15 14.16	−14 51.6	2.328	3.300	6.0	22.0
6 10	15 6.82	−14 37.8	2.392	3.304	9.1	22.2
6 20	15 1.21	−14 31.2	2.480	3.307	11.8	22.4

135518 2001 YC_{25} 5 15.1 168°.35 0°.1/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.05	−20 0.8	1.563	2.418	15.5	20.9
4 21	15 51.22	−19 49.6	1.491	2.420	11.6	20.7
5 1	15 42.73	−19 30.0	1.441	2.422	7.0	20.4
5 11	15 32.54	−19 3.5	1.416	2.424	2.1	20.1
5 21	15 21.83	−18 33.1	1.418	2.425	3.0	20.2
5 31	15 11.96	−18 3.1	1.446	2.426	7.9	20.5
6 10	15 4.03	−17 38.4	1.498	2.427	12.4	20.7
6 20	14 58.75	−17 22.8	1.571	2.427	16.1	21.0

355679 2008 EW_{165} 5 15.1 341°.47 0°.6/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.19	−16 53.7	2.227	3.076	11.7	20.3
4 21	15 46.96	−16 58.7	2.147	3.075	8.6	20.1
5 1	15 39.90	−17 0.7	2.093	3.074	5.2	19.9
5 11	15 31.68	−17 0.6	2.065	3.073	1.6	19.6
5 21	15 23.08	−16 59.9	2.065	3.072	2.5	19.7
5 31	15 14.97	−17 0.6	2.094	3.071	6.1	19.9
6 10	15 8.12	−17 4.8	2.148	3.070	9.5	20.1
6 20	15 3.09	−17 14.1	2.226	3.069	12.5	20.3

471864 2013 AY_{28} 5 15.1 204°.76 3°.4/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.84	− 7 34.4	2.628	3.474	10.2	21.7
4 21	15 46.38	− 7 15.9	2.548	3.470	7.7	21.5
5 1	15 39.42	− 6 59.8	2.494	3.466	5.2	21.3
5 11	15 31.52	− 6 48.5	2.467	3.461	3.5	21.2
5 21	15 23.33	− 6 44.1	2.469	3.456	4.4	21.2
5 31	15 15.55	− 6 48.3	2.500	3.451	6.8	21.4
6 10	15 8.81	− 7 2.0	2.557	3.446	9.5	21.6
6 20	15 3.57	− 7 25.2	2.637	3.440	11.9	21.7

417837 2007 GZ_{52} 5 15.1 66°.44 4°.5/16.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.25	−28 14.5	1.620	2.451	16.2	21.2
4 21	15 53.57	−29 7.6	1.565	2.473	12.6	21.0
5 1	15 44.12	−29 47.4	1.532	2.495	8.7	20.8
5 11	15 32.93	−30 11.1	1.523	2.517	5.3	20.7
5 21	15 21.34	−30 18.2	1.541	2.539	4.8	20.7
5 31	15 10.77	−30 11.4	1.585	2.561	7.8	20.9
6 10	15 2.36	−29 56.3	1.654	2.583	11.3	21.2
6 20	14 56.78	−29 38.7	1.745	2.605	14.6	21.4

504186 2006 TE_{29} 5 15.1 124°.46 2°.5/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.59	−25 58.8	2.451	3.272	11.6	21.3
4 21	15 49.41	−26 30.7	2.374	3.280	8.9	21.2
5 1	15 41.36	−26 54.6	2.322	3.288	5.9	21.0
5 11	15 32.11	−27 9.4	2.297	3.296	3.2	20.8
5 21	15 22.48	−27 15.3	2.301	3.303	3.0	20.8
5 31	15 13.37	−27 13.7	2.334	3.311	5.6	21.0
6 10	15 5.56	−27 7.7	2.394	3.318	8.6	21.2
6 20	14 59.63	−27 0.5	2.478	3.325	11.2	21.4

501380 2013 YS_{59} 5 15.1 114°.18 0°.6/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 53.43	−21 16.8	2.022	2.867	12.8	21.8
4 21	15 48.02	−21 14.6	1.948	2.872	9.6	21.6
5 1	15 40.59	−21 5.2	1.898	2.876	5.9	21.4
5 11	15 31.89	−20 49.3	1.874	2.881	1.9	21.1
5 21	15 22.82	−20 29.0	1.877	2.885	2.4	21.1
5 31	15 14.37	−20 7.3	1.909	2.889	6.3	21.4
6 10	15 7.41	−19 47.8	1.966	2.893	9.9	21.6
6 20	15 2.49	−19 33.4	2.046	2.897	13.1	21.8

370113 2001 UJ_{35} 5 15.1 177°.99 2°.7/13.1 17

4 11	15 53.84	−11 25.0	2.555	3.399	10.5	22.4
4 21	15 47.84	−10 49.0	2.478	3.401	7.8	22.2
5 1	15 40.28	−10 12.1	2.427	3.403	5.0	22.0
5 11	15 31.77	− 9 37.1	2.404	3.404	2.8	21.9
5 21	15 23.00	− 9 6.7	2.411	3.405	3.9	21.9
5 31	15 14.72	− 8 43.9	2.447	3.404	6.6	22.1
6 10	15 7.58	− 8 30.4	2.510	3.403	9.5	22.3
6 20	15 2.04	− 8 27.2	2.595	3.401	12.0	22.5

315476 2007 YC_{21} 5 15.1 67°.65 0°.4/14.9 17

4 11	15 55.10	−19 33.7	1.427	2.291	16.1	21.4
4 21	15 49.76	−19 12.0	1.370	2.305	12.0	21.2
5 1	15 41.79	−18 41.7	1.335	2.319	7.2	21.0
5 11	15 32.25	−18 5.4	1.325	2.333	2.1	20.7
5 21	15 22.40	−17 27.2	1.340	2.347	3.2	20.8
5 31	15 13.55	−16 52.1	1.380	2.361	8.1	21.1
6 10	15 6.77	−16 25.1	1.444	2.376	12.5	21.4
6 20	15 2.65	−16 9.3	1.529	2.390	16.2	21.7

415327 2013 HA_{24} 5 15.1 352°.10 3°.6/12.1 17

4 11	15 46.47	−23 48.8	0.999	1.889	19.3	19.5
4 21	15 44.25	−20 39.1	0.931	1.881	14.3	19.1
5 1	15 38.84	−16 53.2	0.884	1.874	8.4	18.8
5 11	15 31.44	−12 46.5	0.862	1.869	3.7	18.5
5 21	15 23.58	− 8 42.3	0.866	1.865	7.2	18.7
5 31	15 16.88	− 5 4.8	0.894	1.863	13.2	19.0
6 10	15 12.56	− 2 10.8	0.943	1.863	18.7	19.3
6 20	15 11.26	− 0 6.1	1.009	1.864	23.1	19.6

169912 2002 RP_{268} 5 15.1 122°.88 2°.5/13.4 17

4 11	15 51.88	−13 5.4	2.221	3.074	11.6	21.0
4 21	15 46.56	−12 28.4	2.156	3.085	8.5	20.8
5 1	15 39.57	−11 49.6	2.115	3.095	5.3	20.6
5 11	15 31.58	−11 12.1	2.101	3.105	2.6	20.5
5 21	15 23.37	−10 39.1	2.116	3.114	3.8	20.5
5 31	15 15.76	−10 13.6	2.159	3.123	6.9	20.8
6 10	15 9.43	− 9 57.9	2.227	3.132	10.0	21.0
6 20	15 4.85	− 9 53.1	2.318	3.141	12.7	21.2

268470 2005 XJ_{6} 5 15.1 287°.96 2°.6/16.5 18

4 11	15 53.63	−26 32.8	1.696	2.539	15.0	20.2
4 21	15 48.86	−26 31.7	1.604	2.523	11.6	19.9
5 1	15 41.46	−26 17.0	1.533	2.506	7.7	19.7
5 11	15 32.24	−25 48.2	1.488	2.490	3.7	19.4
5 21	15 22.31	−25 7.2	1.468	2.474	3.4	19.3
5 31	15 12.95	−24 18.2	1.474	2.457	7.5	19.5
6 10	15 5.36	−23 27.5	1.505	2.441	11.8	19.7
6 20	15 0.31	−22 41.4	1.557	2.425	15.6	19.9

279144 2009 SW_{13} 5 15.1 216°.73 3°.1/12.6 18

4 11	15 48.59	− 7 59.0	3.023	3.870	9.0	21.1
4 21	15 43.83	− 7 34.4	2.943	3.866	6.8	21.0
5 1	15 37.84	− 7 11.4	2.888	3.861	4.5	20.8
5 11	15 31.08	− 6 52.3	2.862	3.856	3.1	20.7
5 21	15 24.08	− 6 39.1	2.865	3.851	3.9	20.8
5 31	15 17.43	− 6 33.7	2.896	3.846	6.1	20.9
6 10	15 11.64	− 6 37.0	2.953	3.841	8.4	21.1
6 20	15 7.10	− 6 49.4	3.034	3.835	10.5	21.2

277507 2005 WQ_{164} 5 15.1 268°.52 0°.4/14.8 17

4 11	15 52.98	−20 8.9	1.791	2.646	13.8	21.7
4 21	15 48.07	−19 36.8	1.701	2.631	10.4	21.4
5 1	15 40.84	−18 55.1	1.634	2.616	6.3	21.1
5 11	15 32.04	−18 6.1	1.593	2.601	1.8	20.8
5 21	15 22.66	−17 13.5	1.579	2.585	2.9	20.9
5 31	15 13.84	−16 22.5	1.591	2.570	7.5	21.1
6 10	15 6.59	−15 38.3	1.628	2.554	11.7	21.3
6 20	15 1.62	−15 5.0	1.687	2.538	15.4	21.5

39437 2203 $T\text{-}_{3}$ 5 15.1 97°.67 1°.7/13.7 18

4 11	15 49.59	−16 17.2	2.362	3.214	11.0	18.8
4 21	15 44.81	−15 25.0	2.293	3.222	8.1	18.6
5 1	15 38.50	−14 28.2	2.249	3.230	4.8	18.4
5 11	15 31.27	−13 30.1	2.233	3.238	2.0	18.2
5 21	15 23.86	−12 34.3	2.245	3.246	3.1	18.3
5 31	15 16.99	−11 44.7	2.286	3.254	6.3	18.5
6 10	15 11.30	−11 4.6	2.353	3.262	9.3	18.7
6 20	15 7.24	−10 35.7	2.442	3.270	12.0	18.9

248516 2005 VU_{82} 5 15.1 205°.44 0°.9/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 55.89	−22 4.0	2.326	3.159	11.8	22.0
4 21	15 49.73	−22 4.1	2.236	3.153	8.9	21.8
5 1	15 41.63	−21 57.0	2.171	3.147	5.5	21.6
5 11	15 32.24	−21 43.2	2.133	3.140	2.0	21.4
5 21	15 22.41	−21 23.9	2.125	3.132	2.3	21.4
5 31	15 13.06	−21 1.8	2.145	3.123	5.9	21.6
6 10	15 5.03	−20 40.3	2.192	3.114	9.3	21.8
6 20	14 58.90	−20 22.7	2.263	3.104	12.4	22.0

179371 2001 XD_{230} 5 15.1 173°.21 0°.6/14.6 18

4 11	15 51.47	−17 20.3	2.949	3.787	9.4	21.5
4 21	15 45.99	−17 6.7	2.868	3.790	7.0	21.3
5 1	15 39.15	−16 49.6	2.814	3.793	4.2	21.1
5 11	15 31.47	−16 30.5	2.787	3.795	1.3	20.9
5 21	15 23.56	−16 10.9	2.791	3.796	2.1	21.0
5 31	15 16.06	−15 53.0	2.825	3.798	5.0	21.2
6 10	15 9.53	−15 38.9	2.885	3.798	7.7	21.3
6 20	15 4.39	−15 30.1	2.971	3.798	10.1	21.5

327786 2006 UO_{195} 5 15.1 163°.23 1°.6/15.8 17

4 11	15 57.44	−23 1.5	1.828	2.669	14.2	21.4
4 21	15 51.29	−23 15.0	1.753	2.672	10.7	21.2
5 1	15 42.72	−23 19.8	1.700	2.675	6.8	21.0
5 11	15 32.58	−23 15.6	1.673	2.678	2.7	20.7
5 21	15 21.95	−23 3.5	1.674	2.681	2.8	20.8
5 31	15 12.02	−22 46.4	1.702	2.682	6.9	21.0
6 10	15 3.82	−22 28.8	1.755	2.684	10.8	21.2
6 20	14 58.03	−22 14.4	1.831	2.685	14.3	21.5

477955 2011 RS_{17} 5 15.1 148°.68 2°.6/13.1 17

4 11	15 49.92	−13 3.4	2.392	3.245	10.8	21.6
4 21	15 45.06	−12 15.4	2.320	3.249	8.0	21.4
5 1	15 38.66	−11 25.1	2.273	3.252	5.0	21.3
5 11	15 31.34	−10 35.8	2.254	3.256	2.7	21.1
5 21	15 23.78	− 9 51.1	2.263	3.259	3.8	21.2
5 31	15 16.73	− 9 14.2	2.300	3.262	6.7	21.4
6 10	15 10.83	− 8 47.8	2.364	3.265	9.7	21.6
6 20	15 6.52	− 8 32.9	2.449	3.267	12.2	21.7

213382 2001 UW_{50} 5 15.1 199°.82 3°.6/11.8 18

4 11	15 49.60	− 9 22.0	2.673	3.523	9.9	20.5
4 21	15 44.70	− 8 18.4	2.595	3.520	7.5	20.3
5 1	15 38.40	− 7 14.2	2.543	3.517	5.0	20.2
5 11	15 31.26	− 6 13.2	2.520	3.513	3.6	20.1
5 21	15 23.88	− 5 19.1	2.525	3.508	4.7	20.1
5 31	15 16.92	− 4 35.3	2.559	3.503	7.1	20.3
6 10	15 10.97	− 4 3.9	2.619	3.498	9.6	20.4
6 20	15 6.44	− 3 45.9	2.701	3.493	11.9	20.6

246501 2008 AA_{62} 5 15.1 306°.17 3°.5/17.1 18

4 11	15 51.87	−29 6.2	1.976	2.806	13.7	20.1
4 21	15 47.31	−29 15.5	1.877	2.786	10.8	19.9
5 1	15 40.44	−29 11.7	1.801	2.766	7.5	19.6
5 11	15 31.95	−28 53.7	1.750	2.746	4.4	19.4
5 21	15 22.81	−28 22.4	1.725	2.726	3.9	19.3
5 31	15 14.13	−27 40.8	1.726	2.707	6.9	19.5
6 10	15 6.95	−26 54.3	1.753	2.687	10.5	19.6
6 20	15 2.02	−26 8.3	1.802	2.668	13.9	19.8

1072 Malva 5 15.1 167°.02 0°.9/15.8 18

4 11	15 51.84	−22 45.2	3.074	3.900	9.4	16.8
4 21	15 46.27	−22 44.7	2.992	3.905	7.0	16.7
5 1	15 39.33	−22 38.4	2.935	3.909	4.4	16.5
5 11	15 31.54	−22 26.6	2.907	3.913	1.7	16.3
5 21	15 23.50	−22 10.7	2.909	3.916	1.8	16.3
5 31	15 15.87	−21 52.4	2.941	3.918	4.5	16.5
6 10	15 9.21	−21 34.3	3.000	3.921	7.1	16.7
6 20	15 3.94	−21 18.4	3.084	3.923	9.5	16.8

222642 2001 XA_{136} 5 15.1 171°.47 0°.4/14.9 17

4 11	15 53.59	−19 49.4	1.870	2.722	13.5	20.8
4 21	15 48.28	−19 23.0	1.795	2.723	10.0	20.6
5 1	15 40.82	−18 48.6	1.743	2.724	6.0	20.4
5 11	15 32.02	−18 8.5	1.717	2.725	1.7	20.1
5 21	15 22.83	−17 26.0	1.719	2.726	2.7	20.1
5 31	15 14.31	−16 45.5	1.748	2.726	7.0	20.4
6 10	15 7.37	−16 11.3	1.802	2.726	10.9	20.6
6 20	15 2.59	−15 46.6	1.878	2.726	14.2	20.9

38263 1999 RC_{20} 5 15.1 163°.70 0°.8/14.4 18

4 11	15 49.92	−17 51.4	2.715	3.559	10.0	19.4
4 21	15 44.95	−17 21.5	2.638	3.563	7.3	19.2
5 1	15 38.57	−16 47.1	2.585	3.566	4.4	19.0
5 11	15 31.33	−16 10.1	2.561	3.568	1.4	18.8
5 21	15 23.87	−15 33.0	2.566	3.571	2.3	18.9
5 31	15 16.85	−14 58.6	2.600	3.573	5.3	19.1
6 10	15 10.87	−14 29.7	2.661	3.575	8.2	19.3
6 20	15 6.36	−14 8.1	2.745	3.577	10.7	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
385515 2004 GV_{88}			5 15.1 298°.01		2°.9/16.6 17	
	h m	° ′			°	m
4 11	15 54.14	−26 36.7	2.110	2.940	12.9	20.7
4 21	15 48.72	−27 2.7	2.026	2.937	10.0	20.5
5 1	15 41.15	−27 19.0	1.966	2.933	6.7	20.3
5 11	15 32.15	−27 24.8	1.931	2.930	3.6	20.1
5 21	15 22.63	−27 20.2	1.924	2.926	3.4	20.1
5 31	15 13.63	−27 7.3	1.944	2.923	6.4	20.3
6 10	15 6.09	−26 50.1	1.990	2.919	9.7	20.5
6 20	15 0.66	−26 32.4	2.059	2.916	12.8	20.6
498432 2008 AH_{77}			5 15.1 178°.63		4°.2/13.0 17	
4 11	15 55.88	− 9 5.5	1.787	2.644	13.8	21.6
4 21	15 49.97	− 8 35.6	1.717	2.645	10.4	21.3
5 1	15 41.85	− 8 7.4	1.670	2.646	6.8	21.1
5 11	15 32.33	− 7 44.5	1.648	2.646	4.3	21.0
5 21	15 22.41	− 7 30.6	1.654	2.646	5.5	21.1
5 31	15 13.18	− 7 28.5	1.687	2.646	8.9	21.3
6 10	15 5.55	− 7 39.6	1.744	2.645	12.5	21.5
6 20	15 0.13	− 8 3.9	1.822	2.644	15.7	21.7
28630 Mayuri			5 15.1 108°.22		3°.1/13.7 18	
4 11	15 56.59	−13 37.0	1.387	2.256	16.3	19.2
4 21	15 50.93	−13 1.7	1.328	2.265	12.1	18.9
5 1	15 42.58	−12 23.5	1.291	2.274	7.4	18.7
5 11	15 32.55	−11 46.6	1.278	2.282	3.5	18.5
5 21	15 22.15	−11 15.7	1.290	2.291	5.0	18.6
5 31	15 12.72	−10 55.5	1.327	2.299	9.5	18.8
6 10	15 5.38	−10 49.0	1.388	2.307	13.8	19.1
6 20	15 0.76	−10 57.2	1.467	2.315	17.5	19.4
7303 1993 FS_{1}			5 15.1 342°.94		6°.5/10.8 18	
4 11	15 49.01	− 3 23.3	1.911	2.772	12.8	16.7
4 21	15 44.75	− 2 20.9	1.844	2.768	10.0	16.5
5 1	15 38.65	− 1 23.6	1.800	2.764	7.5	16.3
5 11	15 31.39	− 0 36.9	1.782	2.760	6.5	16.3
5 21	15 23.79	− 0 5.5	1.789	2.757	7.6	16.3
5 31	15 16.76	+ 0 7.4	1.822	2.754	10.2	16.5
6 10	15 11.06	+ 0 1.0	1.877	2.752	13.0	16.6
6 20	15 7.23	− 0 23.7	1.952	2.750	15.6	16.8
181343 2006 RS_{6}			5 15.1 149°.74		3°.3/17.5 18	
4 11	15 54.43	−30 50.9	2.848	3.648	10.7	21.7
4 21	15 48.38	−31 8.4	2.768	3.657	8.5	21.5
5 1	15 40.69	−31 15.4	2.713	3.665	6.0	21.4
5 11	15 31.97	−31 11.3	2.685	3.673	3.8	21.2
5 21	15 22.95	−30 56.6	2.686	3.680	3.4	21.2
5 31	15 14.42	−30 33.3	2.716	3.687	5.3	21.3
6 10	15 7.07	−30 4.7	2.773	3.694	7.7	21.5
6 20	15 1.38	−29 34.4	2.855	3.699	10.0	21.7
471354 2011 QO_{88}			5 15.1 168°.49		5°.8/19.9 16	
4 11	15 56.89	−41 29.7	3.085	3.828	11.2	22.9
4 21	15 50.34	−42 1.9	3.000	3.832	9.5	22.7
5 1	15 41.94	−42 19.6	2.937	3.836	7.8	22.6
5 11	15 32.35	−42 20.6	2.899	3.839	6.3	22.5
5 21	15 22.38	−42 4.7	2.889	3.842	5.9	22.5
5 31	15 12.91	−41 33.3	2.906	3.845	6.6	22.5
6 10	15 4.74	−40 50.3	2.950	3.847	8.1	22.6
6 20	14 58.41	−40 0.4	3.019	3.848	9.9	22.8
494835 2007 TD_{431}			5 15.1 279°.07		0°.7/15.5 17	
4 11	15 53.81	−20 46.1	2.024	2.869	12.8	21.2
4 21	15 48.52	−20 57.0	1.933	2.857	9.7	20.9
5 1	15 41.07	−21 1.7	1.866	2.845	6.0	20.7
5 11	15 32.15	−21 0.6	1.826	2.833	2.0	20.4
5 21	15 22.65	−20 54.8	1.813	2.821	2.5	20.4
5 31	15 13.61	−20 46.5	1.828	2.808	6.5	20.6
6 10	15 5.98	−20 39.0	1.868	2.796	10.3	20.9
6 20	15 0.44	−20 35.4	1.931	2.784	13.7	21.0
500397 2012 TF_{92}			5 15.1 255°.36		2°.9/13.3 17	
4 11	15 51.69	−12 37.2	2.009	2.867	12.4	21.7
4 21	15 46.76	−12 1.8	1.929	2.860	9.2	21.5
5 1	15 39.89	−11 24.4	1.873	2.853	5.8	21.3
5 11	15 31.77	−10 48.2	1.843	2.846	3.0	21.1
5 21	15 23.24	−10 16.9	1.841	2.839	4.3	21.2
5 31	15 15.25	− 9 54.0	1.866	2.831	7.7	21.4
6 10	15 8.60	− 9 42.1	1.915	2.824	11.2	21.6
6 20	15 3.88	− 9 42.5	1.986	2.816	14.3	21.7
238986 2006 BS_{226}			5 15.1 1°.11		3°.0/16.6 17	
4 11	15 52.40	−26 52.5	1.581	2.429	15.6	20.5
4 21	15 47.93	−26 58.2	1.507	2.428	12.1	20.2
5 1	15 40.87	−26 49.9	1.454	2.427	8.0	20.0
5 11	15 32.09	−26 27.5	1.426	2.427	4.0	19.8
5 21	15 22.78	−25 52.9	1.423	2.428	3.6	19.7
5 31	15 14.25	−25 10.5	1.445	2.429	7.5	20.0
6 10	15 7.61	−24 26.5	1.491	2.431	11.6	20.2
6 20	15 3.56	−23 46.9	1.558	2.433	15.3	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
194927 2002 AL_{134}			5 15.1 89°.21		1°.1/14.1 17	
	h m	° ′			°	m
4 11	15 47.65	−15 18.2	3.211	4.056	8.6	20.7
4 21	15 43.05	−14 58.5	3.145	4.070	6.3	20.5
5 1	15 37.33	−14 36.8	3.105	4.085	3.8	20.4
5 11	15 30.96	−14 14.7	3.093	4.099	1.4	20.2
5 21	15 24.46	−13 54.1	3.111	4.114	2.2	20.3
5 31	15 18.34	−13 36.6	3.158	4.128	4.7	20.5
6 10	15 13.07	−13 24.1	3.233	4.142	7.1	20.7
6 20	15 9.00	−13 17.6	3.331	4.157	9.1	20.8
202558 2006 DZ_{214}			5 15.1 141°.97		0°.8/15.6 17	
4 11	15 53.53	−22 24.8	1.983	2.828	13.1	20.8
4 21	15 48.17	−22 12.1	1.908	2.831	9.8	20.6
5 1	15 40.74	−21 50.4	1.857	2.835	6.1	20.4
5 11	15 32.02	−21 21.0	1.831	2.838	2.1	20.1
5 21	15 22.93	−20 46.3	1.834	2.841	2.4	20.2
5 31	15 14.50	−20 10.2	1.863	2.844	6.4	20.4
6 10	15 7.58	−19 36.9	1.919	2.847	10.1	20.6
6 20	15 2.76	−19 10.0	1.997	2.850	13.3	20.8
31724 1999 JJ_{64}			5 15.1 91°.96		1°.0/14.5 18	
4 11	15 53.29	−16 13.0	2.249	3.096	11.6	17.7
4 21	15 47.62	−16 8.0	2.186	3.112	8.6	17.6
5 1	15 40.24	−16 0.1	2.147	3.128	5.1	17.4
5 11	15 31.84	−15 50.7	2.136	3.143	1.6	17.1
5 21	15 23.22	−15 41.7	2.153	3.158	2.6	17.2
5 31	15 15.20	−15 35.3	2.198	3.173	6.1	17.5
6 10	15 8.50	−15 33.5	2.270	3.188	9.3	17.7
6 20	15 3.60	−15 37.9	2.365	3.203	12.0	17.9
476422 2008 DT_{34}			5 15.1 17°.44		7°.1/ 9.2 18	
4 11	15 48.48	− 0 7.6	2.206	3.057	11.7	20.9
4 21	15 44.11	+ 1 15.4	2.145	3.057	9.4	20.7
5 1	15 38.15	+ 2 31.8	2.109	3.058	7.6	20.6
5 11	15 31.23	+ 3 35.9	2.099	3.059	7.1	20.6
5 21	15 24.08	+ 4 23.2	2.115	3.060	8.2	20.6
5 31	15 17.44	+ 4 50.5	2.156	3.061	10.2	20.8
6 10	15 11.97	+ 4 57.2	2.220	3.062	12.5	20.9
6 20	15 8.12	+ 4 44.5	2.304	3.063	14.6	21.1
507574 2013 AN_{117}			5 15.1 123°.79		0°.4/14.8 17	
4 11	15 51.72	−18 10.0	2.593	3.435	10.4	22.0
4 21	15 46.33	−18 1.8	2.521	3.445	7.7	21.8
5 1	15 39.42	−17 49.6	2.475	3.455	4.6	21.7
5 11	15 31.60	−17 34.6	2.457	3.464	1.3	21.4
5 21	15 23.55	−17 18.5	2.467	3.474	2.1	21.5
5 31	15 16.00	−17 3.7	2.507	3.483	5.3	21.7
6 10	15 9.57	−16 52.4	2.573	3.492	8.3	21.9
6 20	15 4.71	−16 46.3	2.664	3.500	10.8	22.1
375691 2009 ME_{1}			5 15.1 258°.43		1°.8/16.1 17	
4 11	15 54.64	−25 19.1	1.759	2.602	14.6	21.2
4 21	15 49.48	−25 2.4	1.668	2.588	11.2	21.0
5 1	15 41.79	−24 32.4	1.599	2.574	7.2	20.7
5 11	15 32.39	−23 49.5	1.555	2.560	3.0	20.4
5 21	15 22.37	−22 56.3	1.538	2.545	2.9	20.4
5 31	15 12.94	−21 57.9	1.548	2.530	7.3	20.6
6 10	15 5.24	−21 0.7	1.583	2.515	11.5	20.8
6 20	14 59.98	−20 10.5	1.639	2.500	15.3	21.0
109964 2001 SX_{49}			5 15.1 119°.19		9°.3/ 7.8 17	
4 11	15 52.43	+ 3 49.0	1.925	2.767	13.5	19.9
4 21	15 47.09	+ 5 40.6	1.881	2.780	11.3	19.8
5 1	15 39.94	+ 7 20.7	1.862	2.793	9.7	19.7
5 11	15 31.76	+ 8 41.9	1.867	2.805	9.4	19.7
5 21	15 23.40	+ 9 38.5	1.898	2.817	10.5	19.8
5 31	15 15.75	+10 8.0	1.953	2.829	12.5	20.0
6 10	15 9.56	+10 10.8	2.029	2.840	14.6	20.1
6 20	15 5.27	+ 9 49.9	2.123	2.850	16.6	20.3
369697 2012 CV_{26}			5 15.1 343°.08		1°.8/15.8 17	
4 11	15 49.40	−23 11.1	1.126	2.006	18.3	20.7
4 21	15 46.57	−23 15.1	1.053	1.994	14.0	20.4
5 1	15 40.48	−23 5.6	1.000	1.983	8.9	20.1
5 11	15 32.08	−22 42.9	0.967	1.974	3.4	19.7
5 21	15 22.82	−22 9.8	0.957	1.965	3.6	19.7
5 31	15 14.39	−21 32.1	0.969	1.958	9.3	20.0
6 10	15 8.31	−20 57.2	1.001	1.952	14.6	20.3
6 20	15 5.46	−20 31.3	1.052	1.948	19.3	20.5
311277 2005 EK_{253}			5 15.1 104°.75		0°.6/14.8 16	
4 11	15 56.92	−19 23.0	1.582	2.437	15.3	22.0
4 21	15 50.89	−18 55.3	1.524	2.454	11.3	21.8
5 1	15 42.43	−18 19.5	1.488	2.470	6.8	21.5
5 11	15 32.52	−17 38.1	1.477	2.485	2.0	21.3
5 21	15 22.34	−16 55.3	1.494	2.500	3.1	21.4
5 31	15 13.13	−16 16.0	1.537	2.515	7.7	21.7
6 10	15 5.87	−15 44.9	1.604	2.529	11.9	22.0
6 20	15 1.13	−15 24.9	1.692	2.543	15.4	22.2

491214 2011 UH_{150} 5 15.1 291°.97 1°.8/13.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 49.85	−16 24.2	2.065	2.922	12.1	21.9
4 21	15 45.41	−15 36.9	1.979	2.911	9.0	21.7
5 1	15 39.09	−14 43.6	1.918	2.901	5.4	21.5
5 11	15 31.56	−13 47.7	1.884	2.890	2.2	21.2
5 21	15 23.65	−12 53.2	1.877	2.879	3.5	21.3
5 31	15 16.23	−12 4.7	1.897	2.868	7.2	21.5
6 10	15 10.11	−11 26.1	1.943	2.858	10.7	21.7
6 20	15 5.85	−10 59.9	2.011	2.847	13.8	21.9

357118 2001 WU_{60} 5 15.1 277°.59 0°.2/15.2 18

4 11	15 53.91	−18 52.0	2.172	3.017	12.1	20.8
4 21	15 48.45	−19 7.2	2.082	3.007	9.0	20.6
5 1	15 40.98	−19 18.4	2.017	2.996	5.5	20.4
5 11	15 32.14	−19 25.9	1.978	2.986	1.7	20.1
5 21	15 22.78	−19 30.5	1.968	2.975	2.3	20.1
5 31	15 13.85	−19 34.1	1.986	2.965	6.2	20.3
6 10	15 6.22	−19 39.0	2.030	2.954	9.8	20.5
6 20	15 0.53	−19 47.4	2.097	2.944	13.0	20.7

496872 2000 SH_5 5 15.1 194°.39 9°.6/22.9 17

4 11	16 8.92	−54 36.7	3.024	3.663	13.3	23.4
4 21	16 0.14	−55 39.7	2.933	3.660	12.1	23.3
5 1	15 48.33	−56 23.1	2.861	3.656	11.0	23.2
5 11	15 34.37	−56 41.8	2.811	3.651	10.0	23.1
5 21	15 19.57	−56 32.9	2.784	3.645	9.6	23.1
5 31	15 5.45	−55 57.0	2.783	3.638	9.8	23.1
6 10	14 53.37	−54 58.9	2.805	3.631	10.6	23.1
6 20	14 44.21	−53 45.3	2.849	3.622	11.8	23.2

411666 2011 WC_{67} 5 15.1 213°.42 0°.1/15.2 16

4 11	15 58.97	−19 4.0	1.680	2.529	14.8	21.6
4 21	15 52.70	−19 13.0	1.598	2.524	11.2	21.3
5 1	15 43.77	−19 16.2	1.538	2.518	6.8	21.1
5 11	15 33.01	−19 14.0	1.504	2.511	2.1	20.7
5 21	15 21.57	−19 7.7	1.497	2.504	2.9	20.8
5 31	15 10.78	−19 0.2	1.517	2.496	7.7	21.0
6 10	15 1.81	−18 55.3	1.562	2.488	12.1	21.3
6 20	14 55.43	−18 56.3	1.629	2.479	15.9	21.5

295745 2008 UH_{98} 5 15.1 244°.17 2°.5/13.8 17

4 11	15 55.91	−15 37.6	1.552	2.414	15.2	21.3
4 21	15 50.55	−14 52.3	1.467	2.401	11.4	21.0
5 1	15 42.51	−14 0.0	1.405	2.388	7.0	20.7
5 11	15 32.65	−13 4.7	1.367	2.373	2.9	20.5
5 21	15 22.10	−12 11.5	1.356	2.358	4.6	20.5
5 31	15 12.19	−11 26.4	1.371	2.343	9.3	20.8
6 10	15 4.11	−10 54.5	1.410	2.327	13.8	21.0
6 20	14 58.62	−10 38.6	1.468	2.311	17.7	21.2

75020 1999 UM_8 5 15.1 101°.65 0°.1/15.2 18

4 11	15 57.74	−20 32.5	1.738	2.585	14.5	19.9
4 21	15 51.29	−20 16.9	1.682	2.607	10.8	19.7
5 1	15 42.59	−19 53.0	1.649	2.629	6.5	19.5
5 11	15 32.57	−19 22.9	1.642	2.650	1.9	19.2
5 21	15 22.35	−18 49.4	1.663	2.670	2.7	19.3
5 31	15 13.06	−18 16.8	1.711	2.690	7.0	19.6
6 10	15 5.63	−17 49.3	1.784	2.709	10.9	19.9
6 20	15 0.57	−17 30.2	1.879	2.728	14.2	20.2

63822 2001 RQ_{68} 5 15.1 192°.00 0°.7/15.7 18

4 11	15 51.31	−23 25.8	2.293	3.132	11.7	18.9
4 21	15 46.32	−22 57.6	2.212	3.132	8.8	18.7
5 1	15 39.56	−22 20.0	2.154	3.131	5.5	18.5
5 11	15 31.70	−21 34.6	2.124	3.130	1.9	18.2
5 21	15 23.55	−20 44.1	2.121	3.129	2.1	18.3
5 31	15 15.94	−19 52.5	2.148	3.128	5.7	18.5
6 10	15 9.61	−19 4.0	2.200	3.127	9.1	18.7
6 20	15 5.08	−18 22.4	2.277	3.125	12.0	18.9

92933 2000 RS_{29} 5 15.1 174°.78 2°.4/13.2 18

4 11	15 52.80	−14 24.7	2.382	3.230	11.1	20.3
4 21	15 47.22	−13 27.3	2.306	3.233	8.2	20.1
5 1	15 40.01	−12 25.9	2.256	3.235	5.0	19.9
5 11	15 31.82	−11 24.2	2.234	3.237	2.5	19.8
5 21	15 23.40	−10 26.0	2.241	3.238	3.7	19.9
5 31	15 15.51	− 9 35.3	2.277	3.239	6.8	20.0
6 10	15 8.83	− 8 55.3	2.339	3.239	9.8	20.2
6 20	15 3.84	− 8 27.8	2.425	3.238	12.5	20.4

273809 2007 FM_{31} 5 15.1 201°.33 1°.3/14.3 17

4 11	15 53.18	−17 18.3	1.943	2.797	12.9	21.2
4 21	15 47.93	−16 46.4	1.866	2.795	9.6	21.0
5 1	15 40.64	−16 8.6	1.811	2.793	5.8	20.8
5 11	15 32.04	−15 27.6	1.784	2.791	1.9	20.5
5 21	15 23.06	−14 46.9	1.784	2.788	3.2	20.6
5 31	15 14.68	−14 10.6	1.811	2.785	7.1	20.8
6 10	15 7.78	−13 42.4	1.864	2.782	10.9	21.1
6 20	15 2.93	−13 24.9	1.938	2.779	14.1	21.3

467069 2016 DF_{19} 5 15.1 358°.63 1°.2/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 49.12	−22 22.8	1.062	1.947	18.8	20.4
4 21	15 46.36	−22 18.5	0.999	1.943	14.2	20.1
5 1	15 40.30	−22 0.4	0.955	1.940	8.9	19.8
5 11	15 32.04	−21 30.1	0.931	1.939	3.1	19.5
5 21	15 23.06	−20 51.6	0.930	1.939	3.5	19.5
5 31	15 15.09	−20 11.5	0.951	1.940	9.3	19.8
6 10	15 9.54	−19 37.1	0.992	1.943	14.7	20.1
6 20	15 7.22	−19 13.8	1.051	1.947	19.2	20.4

437000 2012 TZ_{220} 5 15.1 248°.88 1°.6/14.1 17

4 11	15 51.96	−16 17.7	2.078	2.932	12.2	21.7
4 21	15 46.97	−15 44.7	1.993	2.923	9.1	21.4
5 1	15 40.05	−15 6.7	1.932	2.913	5.5	21.2
5 11	15 31.88	−14 26.3	1.897	2.904	2.0	20.9
5 21	15 23.29	−13 47.0	1.890	2.894	3.3	21.0
5 31	15 15.20	−13 12.5	1.911	2.884	7.0	21.2
6 10	15 8.45	−12 46.3	1.958	2.873	10.6	21.4
6 20	15 3.59	−12 30.7	2.026	2.863	13.7	21.6

213412 2001 WG_{68} 5 15.1 216°.94 0°.2/14.9 17

4 11	15 51.25	−19 59.6	2.418	3.261	11.1	21.5
4 21	15 46.20	−19 37.6	2.333	3.257	8.2	21.3
5 1	15 39.48	−19 9.1	2.272	3.252	5.0	21.1
5 11	15 31.70	−18 35.9	2.239	3.247	1.5	20.8
5 21	15 23.58	−18 0.4	2.235	3.242	2.2	20.9
5 31	15 15.93	−17 25.6	2.259	3.237	5.7	21.1
6 10	15 9.46	−16 55.0	2.310	3.231	9.0	21.3
6 20	15 4.67	−16 31.2	2.384	3.225	11.8	21.4

123788 2001 BZ_{22} 5 15.1 116°.17 7°.1/10.7 17

4 11	15 53.26	+ 0 53.2	2.102	2.944	12.5	20.3
4 21	15 47.58	+ 1 48.6	2.051	2.959	10.1	20.2
5 1	15 40.22	+ 2 35.1	2.025	2.973	8.0	20.1
5 11	15 31.88	+ 3 7.6	2.024	2.986	7.1	20.0
5 21	15 23.38	+ 3 22.8	2.049	3.000	8.1	20.1
5 31	15 15.53	+ 3 19.1	2.101	3.012	10.1	20.3
6 10	15 9.04	+ 2 56.9	2.175	3.025	12.4	20.4
6 20	15 4.35	+ 2 18.3	2.270	3.037	14.6	20.6

417195 2005 WB_{196} 5 15.1 84°.25 5°.8/19.1 17

4 11	15 56.35	−36 13.4	1.852	2.653	15.6	20.2
4 21	15 50.60	−36 20.2	1.784	2.666	12.7	20.0
5 1	15 42.34	−36 7.0	1.736	2.678	9.5	19.9
5 11	15 32.55	−35 32.2	1.713	2.691	6.7	19.7
5 21	15 22.43	−34 37.4	1.716	2.704	5.9	19.7
5 31	15 13.26	−33 27.5	1.745	2.716	7.7	19.8
6 10	15 6.05	−32 10.1	1.799	2.729	10.6	20.0
6 20	15 1.41	−30 52.8	1.876	2.741	13.5	20.2

501126 2013 TO_{26} 5 15.1 247°.39 2°.7/16.4 17

4 11	15 56.39	−25 41.3	1.808	2.645	14.5	22.1
4 21	15 50.77	−26 2.5	1.723	2.638	11.2	21.9
5 1	15 42.60	−26 13.3	1.660	2.631	7.4	21.6
5 11	15 32.70	−26 12.5	1.622	2.624	3.7	21.4
5 21	15 22.13	−26 0.6	1.611	2.616	3.5	21.4
5 31	15 12.16	−25 40.3	1.627	2.608	7.2	21.6
6 10	15 3.90	−25 16.4	1.668	2.600	11.1	21.8
6 20	14 58.12	−24 53.7	1.731	2.592	14.7	22.0

317360 2002 NZ_9 5 15.1 326°.92 7°.3/11.8 17

4 11	15 50.78	− 5 59.3	1.230	2.113	16.9	20.1
4 21	15 47.15	− 5 3.6	1.158	2.098	13.1	19.8
5 1	15 40.64	− 4 11.9	1.107	2.083	9.4	19.5
5 11	15 32.15	− 3 31.9	1.078	2.070	7.3	19.4
5 21	15 22.92	− 3 10.5	1.072	2.057	8.9	19.4
5 31	15 14.40	− 3 12.6	1.087	2.045	12.8	19.6
6 10	15 7.88	− 3 39.3	1.123	2.034	17.1	19.8
6 20	15 4.17	− 4 28.8	1.176	2.024	20.9	20.0

381923 2010 CE_{86} 5 15.1 15°.17 5°.1/17.9 17

4 11	15 52.04	−31 31.1	1.471	2.311	17.0	20.0
4 21	15 47.91	−31 48.1	1.405	2.316	13.5	19.7
5 1	15 40.97	−31 46.3	1.358	2.321	9.6	19.5
5 11	15 32.20	−31 24.4	1.335	2.327	6.1	19.3
5 21	15 22.93	−30 43.8	1.335	2.334	5.3	19.3
5 31	15 14.59	−29 49.6	1.360	2.342	8.2	19.5
6 10	15 8.35	−28 49.8	1.409	2.351	11.9	19.7
6 20	15 4.91	−27 51.7	1.478	2.360	15.5	20.0

54564 2000 QZ_{148} 5 15.1 327°.91 2°.1/16.5 18

4 11	15 51.07	−26 42.2	2.046	2.883	13.0	18.4
4 21	15 46.44	−26 25.7	1.963	2.879	10.0	18.2
5 1	15 39.77	−25 56.8	1.903	2.875	6.5	18.0
5 11	15 31.82	−25 16.2	1.869	2.871	3.0	17.8
5 21	15 23.47	−24 26.6	1.862	2.868	2.8	17.7
5 31	15 15.71	−23 32.1	1.882	2.864	6.2	17.9
6 10	15 9.41	−22 37.9	1.928	2.861	9.8	18.1
6 20	15 5.14	−21 48.9	1.997	2.858	13.0	18.3

224564 2005 WM_{190} 5 15.1 150°.31 6°.4/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 55.63	− 1 52.5	1.874	2.722	13.6	20.2
4 21	15 49.67	− 1 26.9	1.809	2.725	10.7	20.0
5 1	15 41.65	− 1 9.6	1.767	2.728	7.9	19.9
5 11	15 32.36	− 1 4.8	1.751	2.731	6.4	19.8
5 21	15 22.73	− 1 15.2	1.761	2.733	7.4	19.8
5 31	15 13.76	− 1 42.3	1.798	2.736	10.0	20.0
6 10	15 6.32	− 2 25.3	1.858	2.738	12.9	20.2
6 20	15 0.96	− 3 22.2	1.940	2.740	15.6	20.4

393843 2005 SO_{132} 5 15.1 242°.68 4°.5/10.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 49.35	− 8 15.5	2.521	3.374	10.4	21.4
4 21	15 44.65	− 6 41.1	2.441	3.365	7.9	21.2
5 1	15 38.48	− 5 5.2	2.387	3.357	5.6	21.1
5 11	15 31.41	− 3 33.3	2.362	3.348	4.5	21.0
5 21	15 24.07	− 2 10.4	2.367	3.339	5.7	21.0
5 31	15 17.16	− 1 1.2	2.399	3.330	8.2	21.2
6 10	15 11.29	− 0 8.3	2.457	3.321	10.7	21.3
6 20	15 6.91	+ 0 27.0	2.536	3.311	13.0	21.5

304563 2006 VQ_6 5 15.1 177°.30 0°.7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.97	−16 32.4	2.663	3.504	10.3	21.1
4 21	15 47.30	−16 33.7	2.582	3.505	7.6	20.9
5 1	15 40.09	−16 32.3	2.527	3.506	4.6	20.7
5 11	15 31.89	−16 29.3	2.499	3.507	1.4	20.5
5 21	15 23.39	−16 26.0	2.501	3.507	2.2	20.6
5 31	15 15.32	−16 24.0	2.533	3.507	5.4	20.8
6 10	15 8.32	−16 25.3	2.591	3.507	8.4	21.0
6 20	15 2.87	−16 31.3	2.674	3.506	10.9	21.1

102633 1999 VY_{33} 5 15.1 305°.78 0°.6/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.72	−20 25.2	1.357	2.225	16.6	19.1
4 21	15 49.59	−20 29.1	1.264	2.200	12.6	18.8
5 1	15 42.34	−20 24.5	1.191	2.174	7.9	18.4
5 11	15 32.74	−20 11.7	1.142	2.149	2.5	18.0
5 21	15 22.03	−19 52.6	1.116	2.125	3.3	18.0
5 31	15 11.80	−19 31.3	1.115	2.100	9.0	18.3
6 10	15 3.55	−19 13.4	1.137	2.076	14.4	18.5
6 20	14 58.30	−19 3.7	1.177	2.053	19.0	18.7

208643 2002 EG_{106} 5 15.1 105°.18 1°.3/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.23	−16 4.9	1.518	2.377	15.6	20.0
4 21	15 52.04	−16 1.2	1.457	2.389	11.6	19.8
5 1	15 43.26	−15 53.5	1.419	2.401	7.0	19.6
5 11	15 32.85	−15 43.9	1.405	2.413	2.3	19.3
5 21	15 22.07	−15 34.8	1.419	2.424	3.5	19.4
5 31	15 12.22	−15 29.5	1.458	2.436	8.2	19.7
6 10	15 4.37	−15 30.9	1.522	2.447	12.5	20.0
6 20	14 59.16	−15 41.0	1.606	2.457	16.1	20.3

88167 2000 XD_{25} 5 15.1 87°.03 6°.5/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.92	−41 22.6	2.447	3.207	13.4	19.4
4 21	15 49.20	−41 38.9	2.372	3.218	11.3	19.3
5 1	15 41.38	−41 36.8	2.318	3.228	9.1	19.2
5 11	15 32.28	−41 14.5	2.288	3.238	7.2	19.1
5 21	15 22.88	−40 32.5	2.285	3.249	6.5	19.0
5 31	15 14.21	−39 33.8	2.308	3.259	7.3	19.1
6 10	15 7.15	−38 24.1	2.357	3.269	9.2	19.2
6 20	15 2.23	−37 9.6	2.429	3.279	11.3	19.4

438381 2006 TH_{114} 5 15.1 280°.73 5°.4/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.57	− 4 31.5	2.145	3.000	11.8	21.3
4 21	15 45.84	− 3 46.2	2.065	2.988	9.2	21.1
5 1	15 39.34	− 3 4.8	2.010	2.976	6.7	20.9
5 11	15 31.70	− 2 31.6	1.980	2.964	5.4	20.8
5 21	15 23.67	− 2 10.5	1.977	2.952	6.5	20.8
5 31	15 16.08	− 2 4.2	2.001	2.940	9.1	21.0
6 10	15 9.71	− 2 13.7	2.049	2.928	11.9	21.1
6 20	15 5.07	− 2 38.7	2.117	2.916	14.5	21.3

504051 2005 WN_{134} 5 15.1 226°.21 0°.7/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.97	−22 43.8	2.348	3.180	11.7	23.2
4 21	15 49.12	−22 26.9	2.251	3.167	8.9	23.0
5 1	15 41.35	−22 1.3	2.178	3.154	5.5	22.7
5 11	15 32.31	−21 28.0	2.133	3.140	1.9	22.5
5 21	15 22.80	−20 48.9	2.117	3.125	2.2	22.5
5 31	15 13.74	−20 7.4	2.130	3.109	5.9	22.7
6 10	15 5.96	−19 27.8	2.170	3.092	9.4	22.9
6 20	15 0.04	−18 53.5	2.234	3.075	12.5	23.0

217938 2001 TS_{107} 5 15.1 202°.80 0°.7/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.87	−23 2.4	2.481	3.311	11.3	21.0
4 21	15 48.89	−22 41.1	2.390	3.305	8.5	20.8
5 1	15 41.12	−22 11.1	2.324	3.299	5.3	20.6
5 11	15 32.22	−21 33.6	2.285	3.292	1.8	20.3
5 21	15 22.96	−20 50.7	2.276	3.284	2.1	20.3
5 31	15 14.18	−20 5.8	2.297	3.275	5.6	20.5
6 10	15 6.64	−19 23.0	2.345	3.265	8.9	20.7
6 20	15 0.87	−18 45.6	2.417	3.255	11.8	20.9

176416 2001 VL_9 5 15.1 88°.66 1°.0/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 52.18	−24 35.6	2.361	3.194	11.6	20.2
4 21	15 46.77	−24 3.6	2.298	3.215	8.7	20.0
5 1	15 39.73	−23 22.0	2.260	3.235	5.4	19.9
5 11	15 31.77	−22 32.6	2.249	3.255	2.0	19.7
5 21	15 23.67	−21 38.4	2.267	3.274	2.1	19.7
5 31	15 16.25	−20 43.4	2.314	3.294	5.4	20.0
6 10	15 10.14	−19 51.8	2.387	3.313	8.5	20.2
6 20	15 5.79	−19 7.0	2.485	3.332	11.2	20.4

1323 Tugela 5 15.1 40°.64 1°.9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.52	−22 1.7	2.030	2.868	13.1	14.5
4 21	15 50.44	−22 48.9	1.961	2.879	9.9	14.3
5 1	15 42.20	−23 30.3	1.916	2.890	6.3	14.1
5 11	15 32.56	−24 4.8	1.898	2.902	2.7	13.9
5 21	15 22.49	−24 31.6	1.908	2.913	2.8	13.9
5 31	15 13.03	−24 51.9	1.946	2.925	6.3	14.2
6 10	15 5.11	−25 8.0	2.010	2.937	9.7	14.4
6 20	14 59.34	−25 22.8	2.097	2.950	12.8	14.6

152222 2005 RS_{28} 5 15.1 183°.82 7°.4/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.55	−50 41.3	3.471	4.142	11.3	21.7
4 21	15 52.46	−51 16.9	3.381	4.142	10.0	21.6
5 1	15 43.33	−51 35.9	3.311	4.142	8.8	21.5
5 11	15 32.89	−51 35.5	3.265	4.141	7.8	21.4
5 21	15 22.02	−51 14.8	3.244	4.140	7.4	21.4
5 31	15 11.72	−50 35.0	3.248	4.138	7.6	21.4
6 10	15 2.85	−49 39.7	3.278	4.135	8.5	21.4
6 20	14 56.01	−48 34.1	3.332	4.132	9.7	21.5

505332 2013 AY_{15} 5 15.1 148°.42 4°.7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 49.75	− 1 56.4	3.097	3.935	9.0	22.6
4 21	15 44.61	− 1 9.4	3.036	3.945	7.1	22.5
5 1	15 38.32	− 0 27.1	3.001	3.955	5.4	22.4
5 11	15 31.36	+ 0 7.5	2.994	3.965	4.7	22.4
5 21	15 24.26	+ 0 32.0	3.016	3.974	5.4	22.4
5 31	15 17.55	+ 0 44.6	3.066	3.982	7.1	22.6
6 10	15 11.74	+ 0 44.8	3.141	3.990	9.0	22.7
6 20	15 7.15	+ 0 32.9	3.238	3.998	10.8	22.8

299931 2006 TH_{27} 5 15.1 157°.97 0°.0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.45	−20 14.0	2.836	3.671	9.8	22.5
4 21	15 46.08	−19 57.8	2.758	3.678	7.3	22.4
5 1	15 39.30	−19 36.2	2.706	3.684	4.4	22.2
5 11	15 31.67	−19 10.5	2.682	3.689	1.3	22.0
5 21	15 23.81	−18 42.6	2.687	3.694	1.8	22.0
5 31	15 16.39	−18 14.9	2.722	3.699	4.9	22.2
6 10	15 10.01	−17 50.1	2.784	3.703	7.7	22.4
6 20	15 5.09	−17 30.3	2.871	3.707	10.2	22.6

133565 2003 UE_{27} 5 15.1 124°.18 4°.0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.73	− 9 35.4	1.984	2.843	12.5	19.8
4 21	15 46.73	− 8 50.8	1.916	2.846	9.4	19.6
5 1	15 39.86	− 8 6.7	1.873	2.849	6.2	19.4
5 11	15 31.86	− 7 27.3	1.855	2.852	4.0	19.3
5 21	15 23.55	− 6 56.3	1.865	2.855	5.2	19.4
5 31	15 15.85	− 6 37.0	1.901	2.858	8.3	19.6
6 10	15 9.52	− 6 31.3	1.962	2.860	11.5	19.8
6 20	15 5.09	− 6 39.5	2.044	2.863	14.3	19.9

302226 2001 VU_{85} 5 15.1 83°.26 3°.8/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.35	−29 4.8	1.383	2.225	17.8	20.7
4 21	15 52.53	−29 5.3	1.325	2.241	13.8	20.5
5 1	15 43.69	−28 47.5	1.288	2.257	9.3	20.2
5 11	15 33.02	−28 10.9	1.273	2.272	5.0	20.0
5 21	15 21.99	−27 18.4	1.284	2.288	4.3	20.0
5 31	15 12.15	−26 16.6	1.320	2.303	8.2	20.3
6 10	15 4.70	−25 13.9	1.379	2.318	12.4	20.6
6 20	15 0.28	−24 17.6	1.460	2.333	16.2	20.8

120351 Beckymasterson 5 15.1 309°.42 3°.5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.51	−13 12.2	1.380	2.256	15.9	19.0
4 21	15 48.63	−12 40.5	1.279	2.220	12.1	18.7
5 1	15 41.77	−12 4.3	1.199	2.183	7.7	18.3
5 11	15 32.62	−11 27.9	1.143	2.147	3.8	18.0
5 21	15 22.29	−10 56.2	1.110	2.111	5.6	18.0
5 31	15 12.27	−10 34.9	1.102	2.076	10.7	18.2
6 10	15 4.00	−10 29.0	1.115	2.041	15.9	18.3
6 20	14 58.55	−10 41.0	1.146	2.006	20.5	18.5

123081 2000 SN_{316} 5 15.1 191°.85 1°.8/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.43	−27 8.1	2.176	3.002	12.7	20.1
4 21	15 48.77	−26 36.7	2.091	3.001	9.7	19.9
5 1	15 41.13	−25 52.1	2.029	2.999	6.3	19.7
5 11	15 32.25	−24 55.4	1.994	2.997	2.8	19.5
5 21	15 23.03	−23 49.6	1.988	2.994	2.6	19.5
5 31	15 14.45	−22 39.5	2.011	2.991	6.0	19.7
6 10	15 7.33	−21 30.9	2.060	2.988	9.5	19.9
6 20	15 2.23	−20 28.7	2.133	2.983	12.7	20.1

171396 Miguel 5 15.1 314.°59 0.°4/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 53.59	−18 22.7	1.330	2.202	16.6	19.9
4 21	15 49.36	−18 24.3	1.248	2.187	12.5	19.6
5 1	15 42.10	−18 19.4	1.187	2.171	7.7	19.3
5 11	15 32.67	−18 9.3	1.149	2.157	2.3	18.9
5 21	15 22.35	−17 56.5	1.135	2.143	3.4	19.0
5 31	15 12.67	−17 44.8	1.145	2.129	9.0	19.2
6 10	15 5.02	−17 39.0	1.177	2.116	14.1	19.5
6 20	15 0.32	−17 42.4	1.229	2.103	18.5	19.7

244855 2003 UT_{152} 5 15.1 261.°28 1.°9/14.3 18

4 11	15 58.06	−14 17.2	1.813	2.664	13.8	20.1
4 21	15 52.05	−14 10.6	1.713	2.640	10.4	19.8
5 1	15 43.48	−14 1.7	1.635	2.616	6.4	19.5
5 11	15 33.06	−13 52.4	1.584	2.590	2.5	19.2
5 21	15 21.78	−13 45.0	1.560	2.564	3.8	19.3
5 31	15 10.87	−13 42.4	1.564	2.537	8.2	19.5
6 10	15 1.48	−13 47.4	1.593	2.509	12.6	19.7
6 20	14 54.44	−14 2.0	1.644	2.481	16.4	19.8

338140 2002 QE_{110} 5 15.1 313.°13 1.°9/16.2 17

4 11	15 52.53	−24 59.2	1.840	2.684	14.0	21.1
4 21	15 47.79	−24 56.3	1.756	2.677	10.7	20.8
5 1	15 40.75	−24 42.2	1.696	2.671	6.9	20.6
5 11	15 32.19	−24 17.2	1.660	2.664	3.0	20.3
5 21	15 23.12	−23 43.3	1.651	2.658	2.9	20.3
5 31	15 14.65	−23 4.3	1.669	2.652	6.8	20.5
6 10	15 7.78	−22 25.5	1.712	2.646	10.7	20.8
6 20	15 3.17	−21 51.4	1.777	2.641	14.2	21.0

481031 2004 YL_{23} 5 15.1 196.°89 3.°8/10.2 18

4 11	15 43.36	+ 0 58.1	4.483	5.315	6.5	21.2
4 21	15 39.72	+ 1 29.3	4.414	5.315	5.3	21.1
5 1	15 35.33	+ 1 56.0	4.372	5.315	4.2	21.0
5 11	15 30.50	+ 2 16.3	4.357	5.314	3.8	21.0
5 21	15 25.55	+ 2 28.9	4.371	5.314	4.4	21.0
5 31	15 20.82	+ 2 32.6	4.412	5.314	5.5	21.1
6 10	15 16.62	+ 2 27.2	4.478	5.313	6.8	21.2
6 20	15 13.20	+ 2 12.8	4.568	5.313	8.0	21.3

849 Ara 5 15.1 319.°75 1.°1/14.2 18 R

4 11	15 48.84	−20 53.8	1.927	2.783	12.9	12.5
4 21	15 44.87	−19 34.7	1.834	2.765	9.6	12.3
5 1	15 38.90	−18 2.4	1.765	2.748	5.8	12.0
5 11	15 31.63	−16 21.1	1.723	2.731	1.8	11.7
5 21	15 23.93	−14 37.0	1.709	2.714	3.2	11.8
5 31	15 16.78	−12 57.4	1.723	2.698	7.4	12.0
6 10	15 11.02	−11 29.1	1.762	2.682	11.4	12.2
6 20	15 7.24	−10 16.8	1.824	2.667	14.8	12.4

463211 2012 CW_{50} 5 15.1 82.°19 1.°9/16.1 16

4 11	15 56.84	−24 40.8	1.517	2.365	16.2	22.0
4 21	15 51.10	−24 35.0	1.457	2.381	12.2	21.8
5 1	15 42.73	−24 16.3	1.420	2.396	7.7	21.6
5 11	15 32.74	−23 45.5	1.406	2.411	3.2	21.4
5 21	15 22.43	−23 5.6	1.419	2.426	3.1	21.4
5 31	15 13.13	−22 21.8	1.458	2.441	7.5	21.7
6 10	15 5.92	−21 40.4	1.521	2.456	11.7	22.0
6 20	15 1.39	−21 6.1	1.605	2.471	15.4	22.2

198048 2004 RR_{290} 5 15.1 181.°59 3.°4/12.5 18

4 11	15 51.82	−13 32.2	1.939	2.798	12.7	20.1
4 21	15 46.86	−12 13.6	1.866	2.798	9.4	19.9
5 1	15 39.98	−10 50.1	1.818	2.798	5.9	19.7
5 11	15 31.92	− 9 27.1	1.798	2.798	3.5	19.5
5 21	15 23.57	− 8 10.4	1.805	2.798	5.0	19.6
5 31	15 15.85	− 7 5.6	1.839	2.798	8.4	19.8
6 10	15 9.56	− 6 16.7	1.898	2.797	11.8	20.0
6 20	15 5.23	− 5 45.2	1.979	2.796	14.8	20.2

404213 2013 CR_{169} 5 15.1 142.°06 4.°2/12.9 16

4 11	15 55.46	−12 1.5	1.426	2.295	15.9	21.1
4 21	15 50.13	−11 4.9	1.363	2.299	11.9	20.9
5 1	15 42.19	−10 5.8	1.321	2.303	7.5	20.7
5 11	15 32.61	− 9 9.9	1.305	2.306	4.4	20.5
5 21	15 22.61	− 8 23.1	1.314	2.309	6.0	20.6
5 31	15 13.50	− 7 50.7	1.348	2.313	10.1	20.8
6 10	15 6.37	− 7 36.1	1.404	2.315	14.3	21.1
6 20	15 1.85	− 7 39.7	1.480	2.318	17.9	21.3

177848 2005 OV_{19} 5 15.1 322.°27 1.°7/14.1 17

4 11	15 50.84	−15 13.1	2.084	2.940	12.1	20.5
4 21	15 46.13	−14 50.6	2.006	2.937	8.9	20.3
5 1	15 39.56	−14 24.9	1.951	2.933	5.4	20.0
5 11	15 31.81	−13 58.3	1.924	2.930	2.1	19.8
5 21	15 23.70	−13 33.7	1.923	2.927	3.2	19.9
5 31	15 16.10	−13 14.3	1.950	2.923	6.8	20.1
6 10	15 9.80	−13 2.6	2.003	2.920	10.3	20.3
6 20	15 5.36	−13 0.4	2.077	2.918	13.3	20.5

127799 2003 FB_{76} 5 15.1 95.°49 4.°4/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.49	−30 1.2	1.385	2.225	17.9	20.0
4 21	15 52.12	−30 7.8	1.317	2.230	14.0	19.7
5 1	15 43.61	−29 55.5	1.269	2.236	9.7	19.5
5 11	15 33.07	−29 22.7	1.244	2.241	5.6	19.3
5 21	15 21.96	−28 31.5	1.243	2.245	4.8	19.2
5 31	15 11.90	−27 28.1	1.268	2.250	8.5	19.5
6 10	15 4.22	−26 21.5	1.315	2.255	12.8	19.7
6 20	14 59.64	−25 19.6	1.384	2.260	16.7	20.0

497388 2005 VS_{9} 5 15.1 195.°24 2.°1/13.7 17

4 11	15 54.03	−14 10.5	2.436	3.281	11.0	23.4
4 21	15 48.20	−13 34.7	2.353	3.278	8.1	23.2
5 1	15 40.70	−12 55.8	2.295	3.274	5.0	23.0
5 11	15 32.13	−12 16.6	2.265	3.269	2.3	22.8
5 21	15 23.25	−11 39.9	2.265	3.264	3.4	22.9
5 31	15 14.85	−11 9.0	2.293	3.258	6.5	23.1
6 10	15 7.62	−10 46.5	2.348	3.251	9.6	23.2
6 20	15 2.09	−10 34.0	2.426	3.244	12.4	23.4

428797 2008 SB_{296} 5 15.1 273.°96 8.°6/ 9.5 17

4 11	15 53.27	+ 3 11.0	1.973	2.814	13.3	21.2
4 21	15 48.10	+ 4 13.5	1.889	2.791	11.1	21.0
5 1	15 40.86	+ 5 6.6	1.828	2.768	9.2	20.8
5 11	15 32.24	+ 5 44.1	1.791	2.744	8.6	20.7
5 21	15 23.06	+ 6 0.9	1.780	2.720	9.8	20.8
5 31	15 14.30	+ 5 54.0	1.793	2.696	12.1	20.8
6 10	15 6.86	+ 5 23.3	1.829	2.671	14.7	21.0
6 20	15 1.37	+ 4 31.0	1.883	2.646	17.3	21.1

106806 2000 XO_{35} 5 15.1 276.°09 8.°7/19.6 18

4 11	15 59.37	−41 49.0	2.035	2.799	15.6	19.3
4 21	15 53.53	−42 40.6	1.929	2.775	13.5	19.1
5 1	15 44.64	−43 13.3	1.843	2.750	11.2	18.9
5 11	15 33.47	−43 21.9	1.781	2.725	9.3	18.7
5 21	15 21.24	−43 3.2	1.742	2.700	8.7	18.7
5 31	15 9.46	−42 18.3	1.729	2.674	9.8	18.7
6 10	14 59.58	−41 13.1	1.740	2.648	12.2	18.7
6 20	14 52.59	−39 56.0	1.773	2.621	14.9	18.9

164602 1301 $T\text{-}_{2}$ 5 15.1 222.°64 3.°5/16.8 17

4 11	15 59.03	−27 45.1	1.723	2.553	15.4	20.7
4 21	15 52.96	−28 4.7	1.636	2.546	12.0	20.4
5 1	15 44.07	−28 11.3	1.571	2.538	8.2	20.2
5 11	15 33.24	−28 3.1	1.530	2.529	4.5	19.9
5 21	15 21.66	−27 40.4	1.517	2.519	4.1	19.9
5 31	15 10.73	−27 6.5	1.530	2.509	7.7	20.1
6 10	15 1.70	−26 27.4	1.568	2.499	11.7	20.3
6 20	14 55.39	−25 49.4	1.628	2.488	15.4	20.5

504231 2006 UZ_{197} 5 15.1 140.°55 0.°1/15.1 17

4 11	15 51.76	−19 46.1	2.661	3.499	10.3	22.6
4 21	15 46.39	−19 32.6	2.587	3.508	7.6	22.4
5 1	15 39.54	−19 13.9	2.538	3.516	4.6	22.3
5 11	15 31.79	−18 51.3	2.517	3.524	1.4	22.0
5 21	15 23.80	−18 26.7	2.525	3.532	2.0	22.1
5 31	15 16.30	−18 2.6	2.562	3.539	5.2	22.3
6 10	15 9.90	−17 41.5	2.627	3.546	8.1	22.5
6 20	15 5.04	−17 25.7	2.715	3.553	10.6	22.7

481843 2008 WE_{82} 5 15.1 165.°07 0.°8/14.2 18

4 11	15 46.32	−16 22.7	4.098	4.937	7.0	23.1
4 21	15 41.96	−15 57.9	4.019	4.941	5.1	23.0
5 1	15 36.71	−15 30.8	3.966	4.945	3.1	22.9
5 11	15 30.93	−15 2.7	3.942	4.949	1.1	22.7
5 21	15 25.02	−14 35.1	3.949	4.952	1.7	22.8
5 31	15 19.37	−14 9.8	3.986	4.956	3.8	22.9
6 10	15 14.37	−13 48.2	4.051	4.958	5.8	23.1
6 20	15 10.31	−13 31.5	4.141	4.961	7.6	23.2

510509 2012 BJ_{35} 5 15.1 208.°68 1.°6/13.9 18

4 11	15 50.95	−13 56.9	2.894	3.737	9.4	22.4
4 21	15 45.74	−13 40.4	2.807	3.731	7.0	22.2
5 1	15 39.15	−13 22.1	2.746	3.725	4.3	22.0
5 11	15 31.69	−13 4.0	2.714	3.719	1.8	21.8
5 21	15 23.94	−12 47.8	2.711	3.712	2.7	21.9
5 31	15 16.55	−12 35.5	2.738	3.705	5.5	22.1
6 10	15 10.10	−12 28.9	2.791	3.698	8.2	22.2
6 20	15 5.02	−12 29.3	2.869	3.690	10.6	22.4

230323 2002 CW_{77} 5 15.1 78.°03 2.°8/16.6 17

4 11	15 55.40	−26 35.3	1.761	2.599	14.8	20.5
4 21	15 49.92	−26 45.6	1.692	2.607	11.3	20.3
5 1	15 42.01	−26 43.6	1.645	2.615	7.5	20.1
5 11	15 32.57	−26 29.0	1.623	2.624	3.8	19.9
5 21	15 22.72	−26 3.2	1.627	2.632	3.4	19.9
5 31	15 13.65	−25 30.0	1.658	2.640	6.9	20.1
6 10	15 6.38	−24 54.8	1.715	2.648	10.7	20.4
6 20	15 1.54	−24 22.5	1.793	2.657	14.1	20.6

278809 2008 SS_{246} 5 15.1 197°.22 1°.6/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 52.25	−16 52.3	1.927	2.783	12.9	21.3
4 21	15 47.28	−16 12.0	1.851	2.782	9.6	21.1
5 1	15 40.29	−15 25.9	1.800	2.782	5.8	20.9
5 11	15 32.05	−14 37.0	1.774	2.781	2.1	20.6
5 21	15 23.45	−13 49.3	1.776	2.780	3.4	20.7
5 31	15 15.47	−13 7.4	1.806	2.779	7.3	20.9
6 10	15 8.94	−12 34.9	1.860	2.778	11.0	21.2
6 20	15 4.44	−12 14.2	1.936	2.776	14.2	21.4

63111 2000 WG_{161} 5 15.1 149°.64 4°.9/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 49.95	− 4 2.7	2.498	3.346	10.6	19.3
4 21	15 45.08	− 3 18.0	2.431	3.350	8.2	19.1
5 1	15 38.76	− 2 37.4	2.390	3.353	6.0	19.0
5 11	15 31.57	− 2 4.7	2.375	3.356	4.9	18.9
5 21	15 24.16	− 1 42.8	2.388	3.358	5.8	19.0
5 31	15 17.21	− 1 33.8	2.428	3.361	8.0	19.1
6 10	15 11.32	− 1 38.7	2.493	3.364	10.3	19.3
6 20	15 6.93	− 1 56.8	2.580	3.366	12.5	19.4

117333 2004 XF_{11} 5 15.1 223°.97 1°.6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.73	−15 7.6	2.140	2.990	12.0	20.0
4 21	15 48.28	−14 49.6	2.055	2.983	9.0	19.7
5 1	15 40.89	−14 28.4	1.995	2.976	5.4	19.5
5 11	15 32.25	−14 6.3	1.962	2.968	2.1	19.3
5 21	15 23.17	−13 45.6	1.956	2.960	3.2	19.3
5 31	15 14.59	−13 29.5	1.979	2.951	6.8	19.5
6 10	15 7.32	−13 20.5	2.028	2.942	10.4	19.7
6 20	15 1.94	−13 20.2	2.099	2.933	13.4	19.9

304679 2006 WM_{108} 5 15.1 210°.10 0°.6/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.48	−17 50.8	2.398	3.245	11.0	21.2
4 21	15 46.41	−17 38.5	2.317	3.243	8.2	21.1
5 1	15 39.67	−17 21.7	2.260	3.241	4.9	20.8
5 11	15 31.87	−17 2.2	2.231	3.238	1.5	20.6
5 21	15 23.74	−16 41.8	2.230	3.236	2.3	20.7
5 31	15 16.07	−16 23.3	2.257	3.234	5.8	20.9
6 10	15 9.57	−16 9.1	2.311	3.231	9.0	21.1
6 20	15 4.74	−16 1.3	2.388	3.228	11.8	21.3

173600 2001 DJ_{57} 5 15.1 191°.86 0°.6/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.69	−18 38.0	2.036	2.879	12.8	21.2
4 21	15 50.54	−18 17.1	1.953	2.877	9.6	21.0
5 1	15 42.28	−17 49.7	1.895	2.875	5.8	20.7
5 11	15 32.66	−17 17.6	1.865	2.872	1.7	20.5
5 21	15 22.62	−16 43.8	1.862	2.868	2.7	20.5
5 31	15 13.18	−16 11.7	1.888	2.864	6.8	20.8
6 10	15 5.22	−15 45.3	1.940	2.858	10.6	21.0
6 20	14 59.37	−15 27.3	2.015	2.852	13.8	21.2

99506 2002 DG_{17} 5 15.1 256°.18 3°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.90	− 6 23.1	2.509	3.354	10.7	19.2
4 21	15 47.39	− 6 12.6	2.422	3.342	8.1	19.0
5 1	15 40.26	− 6 5.7	2.359	3.329	5.6	18.8
5 11	15 32.05	− 6 4.8	2.324	3.316	3.9	18.7
5 21	15 23.47	− 6 12.0	2.317	3.303	4.7	18.7
5 31	15 15.24	− 6 28.5	2.339	3.290	7.3	18.9
6 10	15 8.08	− 6 55.1	2.386	3.277	10.0	19.0
6 20	15 2.50	− 7 31.5	2.457	3.263	12.6	19.2

424075 2007 DZ_{22} 5 15.1 107°.72 6°.3/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.33	−35 30.0	1.817	2.620	15.8	21.2
4 21	15 52.33	−36 5.1	1.745	2.628	12.9	21.0
5 1	15 43.59	−36 21.9	1.695	2.635	9.8	20.8
5 11	15 33.08	−36 17.6	1.668	2.643	7.1	20.6
5 21	15 22.05	−35 51.8	1.666	2.651	6.4	20.6
5 31	15 11.86	−35 8.1	1.691	2.658	8.2	20.7
6 10	15 3.70	−34 13.3	1.740	2.665	11.1	20.9
6 20	14 58.25	−33 14.8	1.811	2.672	14.1	21.1

357722 2005 QS_{127} 5 15.1 183°.19 0°.4/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.72	−19 17.9	1.598	2.450	15.3	22.5
4 21	15 52.54	−19 2.1	1.523	2.451	11.5	22.3
5 1	15 43.70	−18 38.2	1.471	2.452	7.0	22.0
5 11	15 33.12	−18 8.1	1.444	2.451	2.0	21.7
5 21	15 22.00	−17 34.8	1.443	2.450	3.1	21.8
5 31	15 11.67	−17 2.9	1.470	2.449	8.0	22.0
6 10	15 3.27	−16 37.3	1.521	2.446	12.4	22.3
6 20	14 57.51	−16 21.4	1.593	2.443	16.2	22.5

58607 Wenzel 5 15.1 315°.83 1°.2/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.84	−16 5.0	1.273	2.146	17.1	18.8
4 21	15 51.07	−16 12.4	1.198	2.137	12.9	18.5
5 1	15 43.15	−16 16.5	1.144	2.128	7.9	18.2
5 11	15 33.03	−16 18.9	1.112	2.120	2.5	17.8
5 21	15 22.05	−16 21.5	1.105	2.112	3.8	17.9
5 31	15 11.82	−16 27.5	1.122	2.105	9.4	18.2
6 10	15 3.77	−16 40.2	1.161	2.097	14.5	18.4
6 20	14 58.78	−17 1.9	1.220	2.091	18.9	18.7

278535 2008 EE_{72} 5 15.1 332°.27 6°.4/11.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 48.72	− 3 26.7	1.902	2.764	12.8	20.4
4 21	15 44.69	− 2 31.3	1.828	2.753	10.0	20.2
5 1	15 38.77	− 1 40.9	1.778	2.742	7.5	20.0
5 11	15 31.63	− 1 0.9	1.752	2.732	6.4	19.9
5 21	15 24.09	− 0 35.8	1.752	2.723	7.6	19.9
5 31	15 17.05	− 0 28.8	1.777	2.713	10.2	20.1
6 10	15 11.32	− 0 40.8	1.825	2.705	13.1	20.2
6 20	15 7.47	− 1 10.8	1.892	2.697	15.8	20.4

29960 1999 JU_{92} 5 15.1 220°.26 4°.7/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.54	− 5 12.6	2.467	3.316	10.7	19.2
4 21	15 45.60	− 4 27.0	2.390	3.311	8.2	19.1
5 1	15 39.14	− 3 44.5	2.339	3.305	5.9	18.9
5 11	15 31.71	− 3 8.7	2.314	3.299	4.7	18.8
5 21	15 24.00	− 2 43.0	2.317	3.292	5.7	18.9
5 31	15 16.71	− 2 29.7	2.348	3.285	8.0	19.0
6 10	15 10.49	− 2 30.2	2.404	3.278	10.5	19.2
6 20	15 5.81	− 2 44.2	2.481	3.271	12.9	19.3

428796 2008 SE_{295} 5 15.1 291°.39 4°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.05	−33 43.8	1.782	2.599	15.5	20.8
4 21	15 49.34	−33 33.4	1.681	2.577	12.5	20.5
5 1	15 41.93	−33 2.6	1.601	2.555	9.1	20.3
5 11	15 32.65	−32 9.5	1.544	2.533	5.9	20.0
5 21	15 22.65	−30 55.5	1.514	2.511	5.0	19.9
5 31	15 13.26	−29 25.8	1.510	2.489	7.7	20.0
6 10	15 5.69	−27 49.0	1.531	2.467	11.6	20.2
6 20	15 0.73	−26 13.8	1.574	2.446	15.3	20.4

205807 2002 CA_{169} 5 15.1 4°.23 2°.5/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.08	−22 50.7	1.129	2.003	18.8	18.8
4 21	15 50.07	−23 22.1	1.065	2.002	14.3	18.6
5 1	15 42.65	−23 42.6	1.020	2.002	9.2	18.3
5 11	15 32.90	−23 51.2	0.997	2.003	3.9	18.0
5 21	15 22.36	−23 48.6	0.997	2.005	3.9	18.0
5 31	15 12.80	−23 38.4	1.020	2.008	9.2	18.3
6 10	15 5.74	−23 26.6	1.064	2.012	14.3	18.6
6 20	15 2.03	−23 18.9	1.126	2.017	18.7	18.8

29976 1999 NE_{9} 5 15.1 169°.45 6°.5/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.19	−55 22.0	4.578	5.205	9.2	18.5
4 21	15 47.51	−55 50.7	4.490	5.205	8.4	18.4
5 1	15 40.28	−56 5.6	4.422	5.205	7.6	18.4
5 11	15 32.06	−56 4.9	4.376	5.205	6.9	18.3
5 21	15 23.55	−55 48.2	4.352	5.205	6.6	18.3
5 31	15 15.48	−55 16.1	4.354	5.205	6.6	18.3
6 10	15 8.50	−54 31.2	4.379	5.205	7.1	18.3
6 20	15 3.09	−53 36.7	4.427	5.205	7.8	18.4

504624 2008 UL_{350} 5 15.1 120°.78 1°.1/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.67	−23 49.2	2.142	2.979	12.5	22.0
4 21	15 48.17	−23 33.1	2.071	2.989	9.4	21.8
5 1	15 40.77	−23 7.4	2.023	2.998	5.9	21.6
5 11	15 32.22	−22 33.5	2.002	3.008	2.2	21.4
5 21	15 23.39	−21 53.6	2.010	3.017	2.3	21.4
5 31	15 15.22	−21 11.7	2.045	3.026	5.9	21.6
6 10	15 8.48	−20 32.0	2.107	3.034	9.4	21.8
6 20	15 3.71	−19 58.1	2.191	3.043	12.3	22.1

342730 2008 WB_{39} 5 15.2 291°.65 0°.1/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.96	−20 37.5	1.824	2.679	13.6	21.4
4 21	15 47.35	−20 10.9	1.738	2.667	10.2	21.2
5 1	15 40.52	−19 35.1	1.674	2.656	6.2	20.9
5 11	15 32.20	−18 52.1	1.636	2.644	1.8	20.6
5 21	15 23.36	−18 5.3	1.625	2.633	2.7	20.6
5 31	15 15.08	−17 19.5	1.641	2.622	7.1	20.9
6 10	15 8.34	−16 39.5	1.682	2.611	11.2	21.1
6 20	15 3.78	−16 9.1	1.744	2.600	14.8	21.3

415572 2014 QU_{266} 5 15.2 229°.50 3°.7/13.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.86	−10 0.2	1.911	2.761	13.3	21.7
4 21	15 51.61	− 9 33.1	1.822	2.747	10.1	21.4
5 1	15 43.07	− 9 6.2	1.757	2.733	6.5	21.2
5 11	15 32.97	− 8 42.9	1.718	2.717	3.9	21.0
5 21	15 22.26	− 8 26.6	1.707	2.701	5.1	21.0
5 31	15 12.04	− 8 20.6	1.724	2.684	8.7	21.2
6 10	15 3.31	− 8 26.7	1.765	2.665	12.4	21.4
6 20	14 56.76	− 8 45.8	1.829	2.646	15.8	21.6

469687 2004 YF_{9} 5 15.2 310°.55 4°.0/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.12	−35 59.1	1.578	2.393	17.2	20.0
4 21	15 50.40	−34 37.5	1.466	2.363	14.0	19.7
5 1	15 42.67	−32 40.8	1.375	2.333	10.0	19.4
5 11	15 32.89	−30 8.0	1.308	2.303	5.7	19.1
5 21	15 22.40	−27 4.5	1.270	2.274	4.3	18.9
5 31	15 12.74	−23 42.6	1.260	2.245	8.2	19.0
6 10	15 5.20	−20 19.6	1.277	2.216	13.2	19.2
6 20	15 0.59	−17 11.3	1.318	2.188	17.8	19.4

398568 2011 WR_{12} 5 15.2 289°.76 0°.5/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 50.33	−22 37.9	2.266	3.108	11.7	21.2
4 21	15 45.71	−22 9.3	2.180	3.103	8.8	20.9
5 1	15 39.32	−21 31.7	2.119	3.097	5.4	20.7
5 11	15 31.81	−20 46.8	2.084	3.091	1.8	20.5
5 21	15 23.95	−19 57.3	2.077	3.085	2.1	20.5
5 31	15 16.60	−19 7.3	2.099	3.080	5.8	20.7
6 10	15 10.50	−18 20.9	2.147	3.074	9.2	20.9
6 20	15 6.17	−17 41.6	2.218	3.068	12.2	21.1

430640 2003 SJ_{68} 5 15.2 278°.29 1°.3/14.4 17

4 11	15 51.86	−18 2.4	1.876	2.733	13.2	21.5
4 21	15 47.09	−17 22.5	1.800	2.731	9.8	21.3
5 1	15 40.25	−16 35.5	1.746	2.729	5.9	21.1
5 11	15 32.10	−15 44.6	1.719	2.727	1.9	20.8
5 21	15 23.57	−14 53.7	1.719	2.724	3.2	20.9
5 31	15 15.67	−14 7.5	1.747	2.722	7.2	21.1
6 10	15 9.25	−13 30.3	1.799	2.720	11.1	21.3
6 20	15 4.90	−13 5.0	1.873	2.718	14.4	21.5

131160 2001 CQ_{21} 5 15.2 135°.08 3°.4/13.1 18

4 11	15 54.26	− 9 23.2	2.187	3.037	11.8	19.8
4 21	15 48.43	− 8 57.4	2.122	3.047	8.9	19.7
5 1	15 40.86	− 8 33.1	2.082	3.058	5.8	19.5
5 11	15 32.25	− 8 13.1	2.069	3.067	3.5	19.4
5 21	15 23.39	− 8 0.1	2.085	3.076	4.6	19.4
5 31	15 15.13	− 7 56.4	2.128	3.085	7.5	19.6
6 10	15 8.19	− 8 3.1	2.196	3.094	10.5	19.8
6 20	15 3.06	− 8 20.5	2.287	3.102	13.1	20.0

507713 2013 TU_{161} 5 15.2 9°.77 4°.4/12.2 17

4 11	15 49.80	−13 53.8	1.442	2.320	15.2	19.9
4 21	15 45.91	−12 17.0	1.379	2.321	11.3	19.6
5 1	15 39.65	−10 33.4	1.339	2.322	7.2	19.4
5 11	15 31.93	− 8 50.8	1.323	2.324	4.4	19.2
5 21	15 23.85	− 7 17.9	1.333	2.327	6.3	19.3
5 31	15 16.59	− 6 2.5	1.368	2.330	10.3	19.6
6 10	15 11.13	− 5 9.3	1.425	2.334	14.3	19.8
6 20	15 8.03	− 4 39.9	1.501	2.338	17.7	20.1

121765 1999 YF_{15} 5 15.2 294°.48 1°.8/14.0 18

4 11	15 50.87	−14 11.4	2.248	3.102	11.4	20.0
4 21	15 46.16	−13 55.6	2.156	3.085	8.5	19.8
5 1	15 39.66	−13 37.6	2.087	3.068	5.2	19.6
5 11	15 31.94	−13 19.5	2.046	3.051	2.2	19.3
5 21	15 23.76	−13 3.8	2.032	3.035	3.2	19.4
5 31	15 15.96	−12 52.9	2.047	3.018	6.7	19.6
6 10	15 9.33	−12 49.4	2.086	3.001	10.1	19.7
6 20	15 4.42	−12 54.5	2.149	2.985	13.1	19.9

360157 2013 CO_{66} 5 15.2 342°.86 1°.6/15.9 17

4 11	15 50.57	−23 31.5	1.048	1.931	19.2	20.3
4 21	15 47.69	−23 25.0	0.979	1.921	14.7	20.0
5 1	15 41.33	−23 2.5	0.929	1.913	9.3	19.7
5 11	15 32.55	−22 25.1	0.898	1.905	3.5	19.3
5 21	15 22.90	−21 36.6	0.890	1.899	3.7	19.3
5 31	15 14.19	−20 44.3	0.904	1.894	9.6	19.6
6 10	15 8.00	−19 57.2	0.938	1.890	15.2	19.9
6 20	15 5.21	−19 21.9	0.990	1.887	20.1	20.2

365889 2011 UF_{406} 5 15.2 208°.34 3°.7/12.2 18

4 11	15 49.63	− 9 39.9	2.386	3.241	10.8	21.1
4 21	15 44.98	− 8 43.9	2.311	3.239	8.1	20.9
5 1	15 38.78	− 7 47.4	2.262	3.237	5.4	20.8
5 11	15 31.64	− 6 54.6	2.240	3.235	3.7	20.6
5 21	15 24.23	− 6 9.1	2.246	3.232	4.8	20.7
5 31	15 17.29	− 5 34.2	2.280	3.230	7.5	20.9
6 10	15 11.46	− 5 12.3	2.338	3.228	10.2	21.0
6 20	15 7.19	− 5 3.9	2.419	3.225	12.7	21.2

363728 2004 XC_{4} 5 15.2 152°.08 3°.7/13.5 17

4 11	15 57.47	−10 39.5	1.607	2.466	14.9	21.1
4 21	15 51.43	−10 16.2	1.541	2.471	11.2	20.9
5 1	15 42.95	− 9 53.6	1.497	2.476	7.1	20.7
5 11	15 32.92	− 9 35.3	1.479	2.480	3.9	20.5
5 21	15 22.46	− 9 24.7	1.487	2.484	5.2	20.6
5 31	15 12.79	− 9 24.8	1.522	2.488	9.1	20.8
6 10	15 4.95	− 9 37.2	1.581	2.491	13.0	21.0
6 20	14 59.56	−10 2.2	1.660	2.494	16.4	21.3

188835 2006 BP_{90} 5 15.2 134°.56 2°.4/12.1 18

4 11	15 43.39	− 7 1.2	4.481	5.326	6.3	21.3
4 21	15 39.78	− 6 33.3	4.407	5.327	4.8	21.2
5 1	15 35.42	− 6 6.9	4.360	5.329	3.3	21.1
5 11	15 30.62	− 5 43.6	4.342	5.331	2.4	21.0
5 21	15 25.69	− 5 24.8	4.353	5.333	3.0	21.0
5 31	15 20.98	− 5 11.9	4.392	5.334	4.4	21.1
6 10	15 16.81	− 5 5.6	4.458	5.336	6.0	21.3
6 20	15 13.42	− 5 6.2	4.549	5.337	7.5	21.4

123550 2000 XK_{25} 5 15.2 225°.65 5°.4/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.75	−35 35.6	2.331	3.118	13.2	20.4
4 21	15 51.56	−36 0.9	2.234	3.107	10.8	20.2
5 1	15 43.06	−36 11.2	2.160	3.096	8.3	20.0
5 11	15 32.99	−36 4.1	2.111	3.085	6.0	19.8
5 21	15 22.31	−35 39.2	2.090	3.073	5.5	19.8
5 31	15 12.14	−34 58.6	2.095	3.060	7.1	19.9
6 10	15 3.49	−34 7.4	2.128	3.046	9.7	20.0
6 20	14 57.07	−33 11.7	2.183	3.033	12.5	20.1

189561 2000 SN_{115} 5 15.2 282°.21 2°.9/13.4 17

4 11	15 52.21	−14 13.2	1.779	2.641	13.5	20.4
4 21	15 47.60	−13 23.5	1.688	2.621	10.1	20.2
5 1	15 40.73	−12 28.4	1.620	2.601	6.3	19.9
5 11	15 32.31	−11 32.0	1.577	2.581	3.1	19.7
5 21	15 23.29	−10 39.0	1.562	2.561	4.6	19.7
5 31	15 14.75	− 9 54.8	1.573	2.541	8.6	19.9
6 10	15 7.70	− 9 23.7	1.608	2.520	12.7	20.1
6 20	15 2.82	− 9 8.2	1.663	2.500	16.3	20.3

211090 2002 EJ_{69} 5 15.2 63°.60 4°.4/12.9 18

4 11	15 54.03	−12 48.1	1.309	2.185	16.6	20.1
4 21	15 49.11	−11 38.4	1.258	2.198	12.3	19.8
5 1	15 41.58	−10 25.6	1.229	2.212	7.7	19.6
5 11	15 32.50	− 9 16.6	1.224	2.226	4.5	19.5
5 21	15 23.16	− 8 18.3	1.244	2.240	6.2	19.6
5 31	15 14.87	− 7 36.6	1.288	2.254	10.3	19.9
6 10	15 8.65	− 7 14.7	1.354	2.268	14.4	20.1
6 20	15 5.07	− 7 12.9	1.438	2.283	18.0	20.4

320509 2007 XA_{46} 5 15.2 110°.66 5°.8/12.6 18

4 11	15 58.09	− 4 30.6	1.732	2.583	14.4	21.0
4 21	15 51.51	− 3 57.7	1.681	2.602	11.0	20.8
5 1	15 42.79	− 3 31.3	1.653	2.620	7.8	20.6
5 11	15 32.84	− 3 15.7	1.651	2.638	5.9	20.6
5 21	15 22.69	− 3 14.0	1.675	2.655	6.9	20.7
5 31	15 13.41	− 3 27.9	1.726	2.671	9.8	20.9
6 10	15 5.87	− 3 57.2	1.801	2.687	12.9	21.1
6 20	15 0.58	− 4 40.1	1.896	2.703	15.7	21.3

191739 2004 RO_{338} 5 15.2 297°.75 0°.2/15.3 17

4 11	15 53.60	−20 2.8	1.663	2.521	14.6	20.4
4 21	15 48.95	−20 0.4	1.570	2.500	11.0	20.2
5 1	15 41.72	−19 50.5	1.498	2.479	6.8	19.9
5 11	15 32.65	−19 34.0	1.451	2.459	2.1	19.5
5 21	15 22.79	−19 13.0	1.431	2.438	2.9	19.5
5 31	15 13.40	−18 51.0	1.436	2.418	7.7	19.8
6 10	15 5.65	−18 32.6	1.465	2.398	12.3	20.0
6 20	15 0.38	−18 21.5	1.516	2.378	16.3	20.2

428060 2006 EK_{18} 5 15.2 332°.71 6°.9/10.7 16

4 11	15 48.35	− 6 40.9	1.506	2.383	14.7	20.8
4 21	15 44.89	− 5 14.2	1.434	2.370	11.4	20.6
5 1	15 39.11	− 3 48.1	1.385	2.358	8.3	20.3
5 11	15 31.82	− 2 30.6	1.359	2.346	6.9	20.2
5 21	15 24.02	− 1 29.2	1.358	2.336	8.5	20.3
5 31	15 16.85	− 0 49.8	1.381	2.326	11.8	20.5
6 10	15 11.30	− 0 35.2	1.425	2.317	15.4	20.6
6 20	15 8.02	− 0 44.7	1.487	2.308	18.6	20.8

332101 2005 UZ_{201} 5 15.2 328°.02 0°.6/14.9 17

4 11	15 52.17	−16 34.2	1.847	2.706	13.3	19.9
4 21	15 47.56	−16 47.2	1.759	2.690	9.9	19.6
5 1	15 40.71	−16 57.6	1.693	2.675	6.0	19.4
5 11	15 32.32	−17 6.5	1.653	2.661	1.8	19.0
5 21	15 23.29	−17 15.0	1.640	2.647	2.8	19.1
5 31	15 14.70	−17 25.1	1.653	2.633	7.1	19.3
6 10	15 7.56	−17 39.0	1.691	2.620	11.1	19.5
6 20	15 2.56	−17 58.5	1.751	2.608	14.7	19.7

174644 2003 SD_{155} 5 15.2 208°.79 0°.2/15.3 17

4 11	15 56.64	−21 3.7	1.957	2.799	13.3	21.1
4 21	15 50.68	−20 42.7	1.871	2.793	10.0	20.8
5 1	15 42.49	−20 12.9	1.808	2.786	6.1	20.6
5 11	15 32.81	−19 35.7	1.771	2.779	1.9	20.3
5 21	15 22.64	−18 54.0	1.763	2.771	2.5	20.3
5 31	15 13.07	−18 11.9	1.783	2.762	6.9	20.6
6 10	15 5.04	−17 34.0	1.829	2.752	10.8	20.8
6 20	14 59.22	−17 4.2	1.897	2.742	14.2	21.0

373532 2001 SA_{348} 5 15.2 195°.72 0°.3/14.9 17

4 11	15 54.74	−19 53.1	2.420	3.257	11.3	23.4
4 21	15 48.83	−19 23.0	2.333	3.254	8.4	23.2
5 1	15 41.16	−18 45.9	2.271	3.250	5.1	23.0
5 11	15 32.38	−18 3.7	2.238	3.245	1.5	22.7
5 21	15 23.27	−17 19.1	2.233	3.240	2.3	22.8
5 31	15 14.65	−16 35.6	2.258	3.233	5.9	23.0
6 10	15 7.28	−15 57.0	2.310	3.226	9.2	23.2
6 20	15 1.66	−15 26.0	2.386	3.218	12.1	23.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
205264 2000 SV_{33}			5 15.2 281°.83		3°.5/13.5 17	
	h m	° ′			°	m
4 11	15 54.09	−13 17.1	1.423	2.294	15.8	20.3
4 21	15 49.43	−12 35.1	1.344	2.282	11.8	20.1
5 1	15 42.02	−11 48.9	1.287	2.270	7.4	19.8
5 11	15 32.73	−11 3.4	1.253	2.257	3.8	19.5
5 21	15 22.74	−10 23.7	1.245	2.245	5.4	19.6
5 31	15 13.43	− 9 55.4	1.261	2.233	10.0	19.8
6 10	15 6.00	− 9 42.6	1.300	2.220	14.5	20.0
6 20	15 1.24	− 9 46.8	1.358	2.208	18.5	20.2
9730 1982 FA			5 15.2 47°.30		0°.6/14.9 18	
4 11	15 55.77	−18 39.4	1.156	2.032	18.3	16.9
4 21	15 50.86	−18 28.4	1.106	2.046	13.6	16.7
5 1	15 42.84	−18 9.2	1.075	2.060	8.2	16.4
5 11	15 32.92	−17 44.5	1.066	2.074	2.4	16.1
5 21	15 22.60	−17 18.2	1.081	2.089	3.6	16.2
5 31	15 13.48	−16 55.5	1.120	2.104	9.1	16.6
6 10	15 6.79	−16 41.4	1.181	2.120	14.0	16.9
6 20	15 3.17	−16 38.7	1.261	2.136	18.1	17.2
470148 2006 UK_{86}			5 15.2 165°.23		0°.1/15.1 17	
4 11	15 50.98	−20 51.2	2.749	3.585	10.1	22.0
4 21	15 45.84	−20 19.2	2.669	3.589	7.5	21.8
5 1	15 39.25	−19 40.6	2.615	3.593	4.5	21.7
5 11	15 31.80	−18 57.3	2.589	3.596	1.3	21.4
5 21	15 24.14	−18 11.8	2.592	3.599	1.9	21.5
5 31	15 16.93	−17 27.2	2.625	3.601	5.1	21.7
6 10	15 10.78	−16 46.6	2.685	3.604	8.0	21.9
6 20	15 6.12	−16 12.7	2.769	3.605	10.5	22.1
113418 2002 SJ_{33}			5 15.2 244°.86		0°.9/15.7 18	
4 11	15 52.78	−22 50.6	2.195	3.034	12.2	19.9
4 21	15 47.66	−22 38.9	2.106	3.026	9.2	19.7
5 1	15 40.60	−22 18.6	2.041	3.018	5.7	19.5
5 11	15 32.26	−21 50.6	2.003	3.009	2.1	19.2
5 21	15 23.49	−21 16.9	1.992	3.000	2.3	19.2
5 31	15 15.20	−20 41.0	2.010	2.991	6.0	19.5
6 10	15 8.24	−20 6.7	2.054	2.981	9.6	19.7
6 20	15 3.19	−19 37.7	2.121	2.972	12.7	19.8
188083 2001 XM_{126}			5 15.2 250°.38		0°.6/14.4 18	
4 11	15 43.91	−16 10.3	4.666	5.505	6.2	20.5
4 21	15 40.20	−15 58.5	4.578	5.501	4.5	20.4
5 1	15 35.71	−15 45.1	4.518	5.497	2.7	20.3
5 11	15 30.75	−15 31.0	4.486	5.493	0.9	20.1
5 21	15 25.64	−15 17.3	4.484	5.488	1.5	20.2
5 31	15 20.73	−15 5.1	4.512	5.484	3.3	20.3
6 10	15 16.35	−14 55.6	4.568	5.480	5.1	20.4
6 20	15 12.75	−14 49.7	4.649	5.475	6.7	20.5
410319 2007 TP_{435}			5 15.2 96°.71		1°.5/15.7 16	
4 11	15 58.71	−21 37.5	1.487	2.340	16.2	21.1
4 21	15 52.78	−22 1.5	1.419	2.346	12.3	20.8
5 1	15 44.00	−22 17.4	1.373	2.352	7.7	20.6
5 11	15 33.32	−22 24.6	1.351	2.357	2.9	20.3
5 21	15 22.07	−22 23.8	1.356	2.363	3.1	20.3
5 31	15 11.67	−22 17.9	1.386	2.369	7.9	20.6
6 10	15 3.37	−22 11.4	1.440	2.374	12.3	20.9
6 20	14 57.91	−22 8.4	1.515	2.380	16.2	21.2
184647 2005 SM_{24}			5 15.2 213°.12		0°.9/15.7 18	
4 11	15 53.46	−21 28.7	2.521	3.355	11.0	20.5
4 21	15 47.92	−21 41.2	2.434	3.352	8.2	20.3
5 1	15 40.67	−21 48.2	2.373	3.348	5.1	20.1
5 11	15 32.28	−21 49.9	2.339	3.345	1.9	19.9
5 21	15 23.50	−21 47.1	2.334	3.341	2.1	19.9
5 31	15 15.14	−21 41.6	2.358	3.337	5.4	20.1
6 10	15 7.93	−21 35.9	2.409	3.333	8.5	20.3
6 20	15 2.41	−21 32.4	2.484	3.329	11.3	20.5
195317 2002 ES_{114}			5 15.2 178°.90		1°.2/15.9 17	
4 11	15 54.75	−23 32.8	2.089	2.926	12.8	21.3
4 21	15 49.15	−23 24.9	2.009	2.927	9.7	21.1
5 1	15 41.49	−23 7.7	1.952	2.928	6.1	20.9
5 11	15 32.53	−22 42.0	1.923	2.928	2.3	20.6
5 21	15 23.18	−22 9.8	1.921	2.928	2.4	20.6
5 31	15 14.42	−21 34.4	1.947	2.928	6.2	20.9
6 10	15 7.13	−21 0.4	1.999	2.927	9.8	21.1
6 20	15 1.88	−20 31.3	2.074	2.926	12.9	21.3
183631 2003 UH_{375}			5 15.2 152°.98		0°.4/14.9 18	
4 11	15 55.38	−20 31.7	1.610	2.465	15.1	20.6
4 21	15 50.00	−19 54.8	1.539	2.469	11.2	20.4
5 1	15 42.15	−19 7.7	1.490	2.472	6.8	20.1
5 11	15 32.74	−18 13.1	1.467	2.475	2.0	19.8
5 21	15 22.92	−17 15.7	1.470	2.477	3.0	19.9
5 31	15 13.92	−16 21.1	1.500	2.480	7.8	20.2
6 10	15 6.77	−15 35.1	1.555	2.482	12.1	20.5
6 20	15 2.09	−15 1.4	1.630	2.484	15.7	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
270537 2002 GN_{101}			5 15.2 91°.16		2°.7/13.4 17	
	h m	° ′			°	m
4 11	15 53.34	−14 22.7	1.866	2.724	13.2	20.4
4 21	15 47.97	−13 27.9	1.810	2.741	9.7	20.2
5 1	15 40.66	−12 29.6	1.777	2.758	6.0	20.0
5 11	15 32.25	−11 32.1	1.771	2.775	2.9	19.9
5 21	15 23.66	−10 40.0	1.793	2.792	4.2	20.0
5 31	15 15.84	− 9 57.6	1.842	2.808	7.7	20.2
6 10	15 9.56	− 9 28.0	1.915	2.824	11.2	20.5
6 20	15 5.30	− 9 12.5	2.010	2.840	14.1	20.7
329254 1996 XB_{30}			5 15.2 185°.09		0°.5/14.9 17	
4 11	15 57.11	−18 40.3	1.939	2.784	13.3	22.1
4 21	15 50.98	−18 24.0	1.860	2.784	9.9	21.9
5 1	15 42.65	−18 1.3	1.804	2.784	6.0	21.7
5 11	15 32.90	−17 33.9	1.775	2.783	1.8	21.4
5 21	15 22.71	−17 4.5	1.775	2.781	2.7	21.5
5 31	15 13.15	−16 36.7	1.802	2.779	7.0	21.7
6 10	15 5.17	−16 14.2	1.855	2.776	10.8	21.9
6 20	14 59.37	−16 0.0	1.931	2.772	14.2	22.1
439094 2011 RV_{12}			5 15.2 5°.66		10°.1/19.9 17	
4 11	15 54.02	−39 53.4	1.451	2.258	18.9	20.0
4 21	15 50.09	−41 13.5	1.384	2.258	16.1	19.8
5 1	15 42.77	−42 11.1	1.336	2.260	13.3	19.7
5 11	15 33.05	−42 39.8	1.308	2.263	10.9	19.5
5 21	15 22.44	−42 36.9	1.302	2.268	10.2	19.5
5 31	15 12.76	−42 4.8	1.319	2.273	11.3	19.6
6 10	15 5.54	−41 11.4	1.357	2.280	13.8	19.7
6 20	15 1.69	−40 6.6	1.414	2.288	16.6	19.9
208562 2002 BP_{29}			5 15.2 160°.01		2°.2/14.2 18	R
4 11	15 59.60	−13 9.2	1.777	2.626	14.1	20.4
4 21	15 52.89	−13 4.7	1.706	2.633	10.5	20.2
5 1	15 43.82	−12 59.3	1.659	2.639	6.5	20.0
5 11	15 33.25	−12 54.9	1.639	2.644	2.7	19.8
5 21	15 22.24	−12 53.8	1.646	2.648	3.9	19.9
5 31	15 11.97	−12 58.3	1.681	2.652	7.9	20.1
6 10	15 3.43	−13 10.3	1.741	2.655	11.8	20.3
6 20	14 57.26	−13 30.9	1.823	2.658	15.2	20.6
209045 2003 PH_{4}			5 15.2 302°.40		8°.8/18.0 17	
4 11	15 57.34	−35 16.1	1.362	2.187	19.0	19.6
4 21	15 53.11	−36 22.8	1.264	2.159	15.9	19.3
5 1	15 45.05	−37 12.2	1.184	2.130	12.5	19.1
5 11	15 33.89	−37 36.8	1.125	2.102	9.6	18.8
5 21	15 21.07	−37 31.7	1.089	2.074	9.0	18.7
5 31	15 8.63	−36 57.1	1.076	2.046	11.4	18.7
6 10	14 58.57	−36 0.7	1.084	2.018	15.4	18.8
6 20	14 52.27	−34 53.5	1.110	1.991	19.6	19.0
4918 Rostropovich			5 15.2 200°.30		0°.4/14.9 18	
4 11	15 54.17	−19 18.4	2.405	3.244	11.3	18.9
4 21	15 48.45	−18 55.2	2.318	3.240	8.4	18.7
5 1	15 40.98	−18 25.7	2.256	3.235	5.1	18.4
5 11	15 32.39	−17 51.8	2.222	3.230	1.5	18.2
5 21	15 23.44	−17 15.8	2.217	3.223	2.3	18.2
5 31	15 14.96	−16 40.9	2.241	3.217	5.9	18.5
6 10	15 7.71	−16 10.6	2.292	3.209	9.2	18.6
6 20	15 2.21	−15 47.5	2.366	3.201	12.1	18.8
140703 2001 UE_{77}			5 15.2 177°.41		0°.9/14.5 18	
4 11	15 51.58	−17 2.8	2.766	3.607	9.9	21.2
4 21	15 46.28	−16 41.5	2.686	3.609	7.3	21.1
5 1	15 39.56	−16 16.4	2.631	3.610	4.4	20.9
5 11	15 31.94	−15 49.3	2.604	3.611	1.4	20.7
5 21	15 24.07	−15 22.3	2.607	3.611	2.3	20.7
5 31	15 16.63	−14 57.8	2.639	3.611	5.3	20.9
6 10	15 10.20	−14 38.2	2.698	3.611	8.1	21.1
6 20	15 5.24	−14 25.2	2.781	3.610	10.6	21.3
148833 2001 UY_{177}			5 15.2 127°.45		0°.5/14.9 17	
4 11	15 54.90	−18 51.5	1.820	2.672	13.7	20.9
4 21	15 49.39	−18 34.1	1.750	2.678	10.2	20.7
5 1	15 41.69	−18 10.2	1.703	2.684	6.2	20.5
5 11	15 32.61	−17 41.7	1.682	2.690	1.8	20.2
5 21	15 23.17	−17 11.5	1.688	2.695	2.8	20.3
5 31	15 14.44	−16 43.5	1.722	2.701	7.0	20.6
6 10	15 7.34	−16 21.4	1.781	2.706	10.9	20.8
6 20	15 2.45	−16 8.0	1.861	2.711	14.3	21.0
499856 2011 ET_{67}			5 15.2 77°.93		1°.6/16.0 17	
4 11	15 55.03	−24 1.4	1.725	2.570	14.7	21.9
4 21	15 49.65	−23 58.4	1.658	2.580	11.1	21.6
5 1	15 41.90	−23 44.5	1.613	2.589	7.0	21.4
5 11	15 32.68	−23 20.4	1.594	2.599	2.8	21.2
5 21	15 23.09	−22 48.6	1.601	2.609	2.8	21.2
5 31	15 14.29	−22 13.0	1.635	2.618	6.9	21.5
6 10	15 7.28	−21 39.0	1.694	2.628	10.8	21.7
6 20	15 2.66	−21 10.6	1.775	2.637	14.3	22.0

29925 1999 JV_{28} 5 15.2 214°.38 2°.1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 54.57	−25 10.7	2.446	3.272	11.5	18.3
4 21	15 48.88	−25 29.5	2.358	3.267	8.8	18.1
5 1	15 41.31	−25 40.4	2.294	3.263	5.8	17.9
5 11	15 32.51	−25 42.9	2.257	3.258	2.8	17.7
5 21	15 23.26	−25 37.7	2.249	3.253	2.6	17.7
5 31	15 14.45	−25 26.4	2.269	3.248	5.6	17.9
6 10	15 6.87	−25 12.2	2.317	3.243	8.7	18.1
6 20	15 1.11	−24 58.4	2.388	3.237	11.5	18.2

285655 2000 SK_{44} 5 15.2 132°.62 0°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.32	−26 44.4	1.058	1.923	20.4	19.8
4 21	15 53.08	−24 26.5	0.992	1.927	15.3	19.5
5 1	15 44.31	−21 35.9	0.947	1.931	9.3	19.1
5 11	15 33.42	−18 22.0	0.926	1.934	2.6	18.7
5 21	15 22.17	−15 1.7	0.931	1.938	4.6	18.9
5 31	15 12.40	−11 55.0	0.962	1.941	11.1	19.2
6 10	15 5.42	− 9 18.4	1.015	1.944	16.8	19.6
6 20	15 1.86	− 7 19.6	1.087	1.946	21.5	19.9

57673 2001 UY_{33} 5 15.2 144°.73 2°.4/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.50	−11 49.1	1.954	2.803	13.1	18.9
4 21	15 51.14	−11 49.7	1.884	2.810	9.7	18.7
5 1	15 42.69	−11 50.9	1.838	2.816	6.0	18.4
5 11	15 32.91	−11 54.5	1.819	2.823	2.8	18.2
5 21	15 22.77	−12 2.2	1.828	2.828	3.8	18.3
5 31	15 13.26	−12 15.7	1.865	2.834	7.4	18.6
6 10	15 5.29	−12 36.3	1.927	2.839	11.0	18.8
6 20	14 59.43	−13 4.5	2.012	2.843	14.0	19.0

433347 2013 RU_{66} 5 15.2 166°.66 6°.2/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.80	−36 42.1	2.114	2.899	14.5	22.6
4 21	15 53.25	−37 19.8	2.033	2.902	11.9	22.4
5 1	15 44.17	−37 40.7	1.975	2.906	9.2	22.2
5 11	15 33.40	−37 41.9	1.941	2.909	6.9	22.1
5 21	15 22.07	−37 22.7	1.933	2.911	6.3	22.0
5 31	15 11.44	−36 45.5	1.953	2.913	7.8	22.1
6 10	15 2.61	−35 56.1	1.998	2.915	10.4	22.3
6 20	14 56.28	−35 1.4	2.066	2.916	13.0	22.5

322454 2011 UV_{33} 5 15.2 199°.59 3°.8/17.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.35	−31 20.5	2.492	3.298	11.9	21.0
4 21	15 48.77	−31 41.9	2.406	3.296	9.5	20.8
5 1	15 41.26	−31 51.7	2.342	3.295	6.8	20.6
5 11	15 32.51	−31 48.8	2.305	3.292	4.5	20.5
5 21	15 23.32	−31 33.3	2.296	3.290	4.0	20.5
5 31	15 14.61	−31 7.5	2.315	3.288	5.9	20.6
6 10	15 7.20	−30 35.2	2.361	3.285	8.6	20.7
6 20	15 1.68	−30 0.8	2.430	3.283	11.2	20.9

213546 2002 JN_{95} 5 15.2 315°.79 0°.2/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.63	−21 1.1	1.291	2.164	16.9	20.0
4 21	15 48.01	−20 32.9	1.209	2.147	12.8	19.7
5 1	15 41.39	−19 51.7	1.147	2.131	7.9	19.4
5 11	15 32.65	−18 59.8	1.107	2.115	2.4	19.0
5 21	15 23.07	−18 2.1	1.092	2.100	3.4	19.0
5 31	15 14.18	−17 5.5	1.100	2.085	9.1	19.3
6 10	15 7.36	−16 17.5	1.131	2.071	14.4	19.6
6 20	15 3.48	−15 43.5	1.180	2.058	18.9	19.8

123468 2000 WS_{147} 5 15.2 280°.09 0°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.56	−19 49.0	2.292	3.138	11.5	20.8
4 21	15 46.73	−19 37.4	2.197	3.121	8.6	20.6
5 1	15 40.07	−19 19.7	2.125	3.104	5.3	20.3
5 11	15 32.16	−18 57.1	2.080	3.088	1.6	20.0
5 21	15 23.78	−18 31.6	2.064	3.071	2.2	20.1
5 31	15 15.79	−18 6.1	2.075	3.054	6.0	20.3
6 10	15 8.98	−17 43.9	2.113	3.037	9.5	20.5
6 20	15 3.95	−17 27.8	2.173	3.020	12.6	20.6

423704 2006 AG_{88} 5 15.2 102°.88 3°.0/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.92	−12 8.2	1.854	2.712	13.3	21.6
4 21	15 48.51	−11 36.7	1.790	2.721	9.8	21.4
5 1	15 41.08	−11 4.1	1.751	2.731	6.2	21.2
5 11	15 32.43	−10 34.1	1.737	2.740	3.2	21.0
5 21	15 23.49	−10 10.0	1.751	2.749	4.4	21.1
5 31	15 15.24	− 9 55.1	1.792	2.758	7.9	21.3
6 10	15 8.53	− 9 51.3	1.857	2.767	11.4	21.6
6 20	15 3.89	− 9 59.5	1.944	2.775	14.4	21.8

181190 2005 SU_{114} 5 15.2 293°.44 2°.4/13.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 49.54	−14 24.7	2.205	3.062	11.5	20.3
4 21	15 45.14	−13 33.8	2.123	3.055	8.5	20.0
5 1	15 39.02	−12 38.7	2.066	3.047	5.3	19.8
5 11	15 31.82	−11 43.1	2.036	3.040	2.6	19.6
5 21	15 24.29	−10 50.9	2.034	3.032	3.8	19.7
5 31	15 17.23	−10 6.3	2.059	3.025	7.1	19.9
6 10	15 11.37	− 9 32.4	2.110	3.018	10.3	20.1
6 20	15 7.22	− 9 11.1	2.182	3.011	13.2	20.3

391761 2008 EK_{107} 5 15.2 278°.23 4°.7/11.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 49.70	− 5 51.3	2.328	3.182	11.1	21.5
4 21	15 45.12	− 5 4.9	2.254	3.177	8.5	21.4
5 1	15 38.95	− 4 21.2	2.205	3.173	6.0	21.2
5 11	15 31.80	− 3 44.3	2.182	3.169	4.7	21.1
5 21	15 24.35	− 3 17.6	2.187	3.164	5.7	21.2
5 31	15 17.35	− 3 3.8	2.218	3.160	8.1	21.3
6 10	15 11.47	− 3 4.0	2.274	3.155	10.8	21.5
6 20	15 7.17	− 3 18.1	2.352	3.151	13.2	21.6

291678 2006 HW_{84} 5 15.2 352°.40 2°.0/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.93	−13 35.1	1.681	2.544	14.2	20.1
4 21	15 48.90	−13 38.8	1.608	2.541	10.6	19.8
5 1	15 41.54	−13 41.9	1.557	2.539	6.5	19.6
5 11	15 32.62	−13 46.2	1.531	2.537	2.5	19.3
5 21	15 23.19	−13 53.7	1.532	2.536	3.7	19.4
5 31	15 14.39	−14 6.4	1.559	2.535	7.9	19.6
6 10	15 7.24	−14 26.1	1.610	2.535	11.9	19.9
6 20	15 2.39	−14 53.7	1.682	2.535	15.4	20.1

461670 2005 HU_5 5 15.2 302°.50 5°.2/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.95	− 9 10.7	1.450	2.322	15.4	20.8
4 21	15 48.52	− 8 25.0	1.373	2.309	11.8	20.5
5 1	15 41.47	− 7 39.7	1.317	2.296	7.9	20.3
5 11	15 32.64	− 7 0.4	1.286	2.283	5.3	20.1
5 21	15 23.15	− 6 32.6	1.279	2.271	6.8	20.1
5 31	15 14.29	− 6 20.9	1.296	2.258	10.7	20.3
6 10	15 7.21	− 6 27.7	1.335	2.246	14.9	20.5
6 20	15 2.69	− 6 53.0	1.394	2.235	18.6	20.7

512349 2016 NR_5 5 15.2 303°.79 9°.3/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.56	+ 3 0.3	1.749	2.600	14.3	20.7
4 21	15 47.10	+ 4 7.2	1.671	2.579	11.9	20.5
5 1	15 40.45	+ 5 3.9	1.615	2.559	10.0	20.3
5 11	15 32.32	+ 5 43.2	1.583	2.538	9.4	20.2
5 21	15 23.63	+ 5 59.5	1.574	2.518	10.5	20.3
5 31	15 15.42	+ 5 49.5	1.589	2.498	13.0	20.4
6 10	15 8.65	+ 5 13.4	1.625	2.478	15.8	20.5
6 20	15 3.98	+ 4 13.9	1.680	2.459	18.5	20.6

118454 1999 VU_{159} 5 15.2 137°.02 1°.7/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.83	−23 35.8	1.441	2.290	16.8	19.9
4 21	15 53.68	−23 39.7	1.374	2.298	12.8	19.7
5 1	15 44.57	−23 31.7	1.329	2.306	8.1	19.4
5 11	15 33.55	−23 11.8	1.307	2.313	3.2	19.1
5 21	15 22.00	−22 42.2	1.312	2.319	3.2	19.1
5 31	15 11.43	−22 7.8	1.342	2.325	8.0	19.4
6 10	15 3.09	−21 34.7	1.397	2.331	12.6	19.7
6 20	14 57.69	−21 8.2	1.472	2.336	16.6	20.0

272973 2006 DB_7 5 15.2 276°.21 3°.7/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.86	−11 26.3	1.852	2.714	13.1	20.8
4 21	15 47.15	−10 38.8	1.774	2.707	9.8	20.5
5 1	15 40.38	− 9 49.5	1.720	2.699	6.3	20.3
5 11	15 32.27	− 9 2.8	1.692	2.692	3.8	20.1
5 21	15 23.74	− 8 23.1	1.690	2.684	5.1	20.2
5 31	15 15.76	− 7 54.5	1.715	2.677	8.6	20.4
6 10	15 9.22	− 7 39.9	1.764	2.670	12.1	20.6
6 20	15 4.72	− 7 40.2	1.833	2.662	15.3	20.8

214464 2005 SW_{146} 5 15.2 264°.02 4°.3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 49.71	− 7 56.4	2.517	3.369	10.4	20.6
4 21	15 45.11	− 6 44.1	2.426	3.350	7.9	20.4
5 1	15 38.97	− 5 31.0	2.361	3.331	5.6	20.2
5 11	15 31.84	− 4 21.5	2.324	3.311	4.3	20.1
5 21	15 24.35	− 3 20.1	2.315	3.292	5.5	20.2
5 31	15 17.22	− 2 30.8	2.334	3.272	8.0	20.3
6 10	15 11.09	− 1 56.1	2.378	3.251	10.7	20.4
6 20	15 6.46	− 1 37.1	2.444	3.231	13.1	20.6

79041 3234 $T\text{-}_2$ 5 15.2 225°.14 0°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.87	−18 36.5	1.972	2.816	13.1	20.3
4 21	15 50.92	−18 24.1	1.881	2.806	9.8	20.1
5 1	15 42.73	−18 5.4	1.815	2.794	6.0	19.8
5 11	15 33.01	−17 42.1	1.775	2.782	1.8	19.5
5 21	15 22.71	−17 16.2	1.763	2.770	2.7	19.5
5 31	15 12.93	−16 51.4	1.779	2.756	7.0	19.8
6 10	15 4.64	−16 31.3	1.821	2.742	11.0	20.0
6 20	14 58.51	−16 19.0	1.886	2.728	14.4	20.2

410260 2007 TS_{120} 5 15.2 193°.20 0°.2/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.28	−20 40.3	1.754	2.603	14.3	22.2
4 21	15 50.60	−20 10.8	1.676	2.602	10.7	22.0
5 1	15 42.54	−19 31.6	1.620	2.600	6.5	21.7
5 11	15 32.93	−18 45.0	1.590	2.598	1.9	21.4
5 21	15 22.86	−17 54.7	1.588	2.595	2.8	21.5
5 31	15 13.50	−17 5.7	1.613	2.592	7.4	21.7
6 10	15 5.86	−16 23.2	1.663	2.588	11.5	22.0
6 20	15 0.58	−15 51.1	1.734	2.584	15.1	22.2

9733 Valtikhonov 5 15.2 262.°83 1.°1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 55.81	−19 34.3	1.522	2.381	15.6	18.5
4 21	15 50.79	−18 47.8	1.430	2.362	11.7	18.2
5 1	15 42.95	−17 49.1	1.360	2.342	7.2	17.8
5 11	15 33.14	−16 41.4	1.314	2.322	2.2	17.5
5 21	15 22.52	−15 29.9	1.295	2.301	3.7	17.5
5 31	15 12.49	−14 21.6	1.302	2.280	8.9	17.8
6 10	15 4.31	−13 23.9	1.332	2.258	13.8	18.0
6 20	14 58.83	−12 41.7	1.382	2.235	18.1	18.2

306992 2001 WB_{19} 5 15.2 172.°58 0.°2/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.98	−20 31.9	1.812	2.664	13.8	20.9
4 21	15 48.79	−20 1.9	1.737	2.665	10.3	20.7
5 1	15 41.39	−19 22.9	1.685	2.665	6.3	20.4
5 11	15 32.58	−18 37.2	1.658	2.666	1.9	20.2
5 21	15 23.38	−17 48.5	1.659	2.666	2.7	20.2
5 31	15 14.86	−17 1.5	1.687	2.667	7.1	20.5
6 10	15 7.96	−16 21.1	1.740	2.667	11.0	20.7
6 20	15 3.27	−15 50.8	1.815	2.667	14.5	20.9

56271 1999 JK_{102} 5 15.2 231.°05 3.°8/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.19	−12 13.8	1.718	2.578	14.1	18.8
4 21	15 49.82	−11 18.4	1.637	2.568	10.6	18.6
5 1	15 42.10	−10 19.4	1.579	2.558	6.8	18.3
5 11	15 32.83	− 9 21.6	1.546	2.547	3.9	18.1
5 21	15 23.01	− 8 30.4	1.541	2.536	5.4	18.2
5 31	15 13.81	− 7 51.0	1.562	2.524	9.2	18.4
6 10	15 6.21	− 7 26.9	1.606	2.511	13.2	18.6
6 20	15 0.91	− 7 19.8	1.672	2.498	16.6	18.8

484557 2008 HR_{31} 5 15.2 327.°46 0.°0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 46.55	−18 55.5	4.105	4.939	7.1	21.1
4 21	15 42.28	−19 0.7	4.018	4.937	5.2	20.9
5 1	15 37.05	−19 3.2	3.957	4.935	3.2	20.8
5 11	15 31.24	−19 3.8	3.925	4.933	1.0	20.6
5 21	15 25.23	−19 3.1	3.923	4.931	1.3	20.6
5 31	15 19.45	−19 2.3	3.951	4.929	3.5	20.8
6 10	15 14.30	−19 2.5	4.007	4.927	5.6	20.9
6 20	15 10.09	−19 4.8	4.089	4.925	7.4	21.1

330111 2005 XF_{30} 5 15.2 328.°02 1.°5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 49.26	−18 59.2	1.330	2.207	16.2	19.7
4 21	15 46.10	−18 11.3	1.248	2.190	12.2	19.4
5 1	15 40.16	−17 11.3	1.187	2.173	7.4	19.1
5 11	15 32.30	−16 3.4	1.150	2.158	2.4	18.7
5 21	15 23.72	−14 53.8	1.137	2.143	4.0	18.8
5 31	15 15.81	−13 50.1	1.147	2.129	9.3	19.1
6 10	15 9.83	−12 59.5	1.180	2.116	14.3	19.3
6 20	15 6.56	−12 26.3	1.231	2.104	18.6	19.5

517272 2014 FH_{67} 5 15.2 40.°66 9.°7/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 49.76	+ 8 49.7	2.128	2.956	12.9	20.5
4 21	15 45.19	+10 3.1	2.082	2.962	11.2	20.3
5 1	15 38.99	+11 2.0	2.058	2.970	10.0	20.3
5 11	15 31.83	+11 40.8	2.059	2.977	9.8	20.3
5 21	15 24.47	+11 55.9	2.083	2.984	10.6	20.3
5 31	15 17.69	+11 46.2	2.130	2.992	12.1	20.5
6 10	15 12.16	+11 12.9	2.198	3.000	13.9	20.6
6 20	15 8.33	+10 19.4	2.284	3.008	15.6	20.7

274644 2008 TC_{125} 5 15.2 303.°98 1.°7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.79	−24 18.0	1.617	2.470	15.1	20.3
4 21	15 48.57	−24 10.7	1.518	2.444	11.7	20.1
5 1	15 41.65	−23 50.8	1.441	2.419	7.5	19.8
5 11	15 32.77	−23 18.4	1.388	2.393	3.1	19.4
5 21	15 23.02	−22 35.7	1.360	2.368	3.0	19.3
5 31	15 13.74	−21 47.2	1.358	2.343	7.8	19.6
6 10	15 6.16	−20 59.4	1.380	2.318	12.5	19.8
6 20	15 1.17	−20 18.1	1.422	2.293	16.7	20.0

9414 Masamimurakami 5 15.2 355.°32 0.°4/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.16	−15 23.6	1.224	2.098	17.6	15.6
4 21	15 52.22	−16 10.6	1.155	2.094	13.3	15.3
5 1	15 44.01	−16 58.5	1.106	2.091	8.1	15.0
5 11	15 33.50	−17 46.3	1.081	2.089	2.4	14.6
5 21	15 22.11	−18 33.3	1.079	2.087	3.5	14.7
5 31	15 11.52	−19 19.4	1.102	2.087	9.1	15.0
6 10	15 3.21	−20 5.9	1.148	2.088	14.2	15.3
6 20	14 58.10	−20 54.4	1.212	2.089	18.6	15.6

455662 2005 BL_{23} 5 15.2 61.°85 6.°7/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.01	− 5 18.2	1.327	2.197	16.7	20.5
4 21	15 50.55	− 4 34.5	1.280	2.212	12.8	20.3
5 1	15 42.50	− 3 57.9	1.255	2.228	9.0	20.1
5 11	15 32.91	− 3 34.4	1.253	2.243	6.8	20.1
5 21	15 23.07	− 3 28.3	1.275	2.259	8.0	20.2
5 31	15 14.26	− 3 41.9	1.321	2.275	11.4	20.4
6 10	15 7.52	− 4 14.6	1.389	2.291	15.0	20.6
6 20	15 3.42	− 5 3.8	1.476	2.307	18.2	20.9

77127 2001 DJ_{93} 5 15.2 282.°49 16.°3/29.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 54.12	+19 16.0	1.643	2.437	17.6	18.7
4 21	15 49.29	+21 25.7	1.581	2.412	16.6	18.6
5 1	15 41.93	+23 12.6	1.538	2.386	16.3	18.5
5 11	15 32.83	+24 25.7	1.515	2.360	16.8	18.5
5 21	15 23.04	+24 57.3	1.510	2.333	18.1	18.5
5 31	15 13.79	+24 44.2	1.523	2.306	19.8	18.5
6 10	15 6.21	+23 48.7	1.551	2.279	21.7	18.6
6 20	15 1.04	+22 16.6	1.591	2.252	23.5	18.7

211370 2002 TL_{264} 5 15.2 169.°72 2.°5/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.49	−22 15.4	1.206	2.070	18.4	19.5
4 21	15 52.88	−20 1.7	1.137	2.073	13.7	19.2
5 1	15 44.12	−17 24.5	1.091	2.075	8.2	18.9
5 11	15 33.43	−14 33.4	1.070	2.077	3.0	18.6
5 21	15 22.36	−11 42.7	1.075	2.078	5.3	18.8
5 31	15 12.52	− 9 8.3	1.107	2.078	11.0	19.1
6 10	15 5.15	− 7 1.9	1.162	2.079	16.2	19.4
6 20	15 0.88	− 5 29.0	1.236	2.078	20.4	19.7

170354 2003 SG_{180} 5 15.2 130.°79 1.°2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.77	−23 54.4	2.052	2.891	12.9	20.2
4 21	15 48.44	−23 41.5	1.977	2.896	9.8	20.0
5 1	15 41.10	−23 18.8	1.926	2.901	6.1	19.8
5 11	15 32.51	−22 47.3	1.900	2.906	2.4	19.6
5 21	15 23.57	−22 9.3	1.903	2.910	2.4	19.6
5 31	15 15.28	−21 28.7	1.933	2.915	6.1	19.8
6 10	15 8.46	−20 49.9	1.989	2.919	9.7	20.1
6 20	15 3.67	−20 16.8	2.068	2.923	12.8	20.3

313715 2003 UW_{113} 5 15.2 162.°78 4.°7/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.55	− 8 52.2	1.709	2.569	14.1	20.9
4 21	15 49.93	− 8 7.3	1.643	2.572	10.7	20.7
5 1	15 42.07	− 7 23.7	1.599	2.575	7.1	20.5
5 11	15 32.81	− 6 46.1	1.582	2.578	4.7	20.4
5 21	15 23.18	− 6 18.9	1.590	2.580	6.0	20.4
5 31	15 14.26	− 6 5.6	1.625	2.582	9.4	20.6
6 10	15 7.00	− 6 8.0	1.684	2.583	13.0	20.9
6 20	15 1.99	− 6 25.8	1.763	2.585	16.1	21.1

265374 2004 RL_{224} 5 15.2 112.°75 13.°7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 13.21	−43 28.0	1.288	2.064	22.4	20.2
4 21	16 5.66	−45 44.2	1.231	2.077	19.5	20.0
5 1	15 52.96	−47 34.1	1.191	2.089	16.6	19.9
5 11	15 36.35	−48 44.9	1.171	2.101	14.4	19.8
5 21	15 18.17	−49 8.4	1.173	2.113	13.7	19.8
5 31	15 1.39	−48 46.4	1.197	2.124	14.8	19.9
6 10	14 48.48	−47 50.4	1.241	2.134	17.0	20.0
6 20	14 40.64	−46 36.0	1.303	2.144	19.6	20.2

211001 2001 XD_{128} 5 15.2 169.°33 1.°2/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.86	−16 7.4	2.364	3.213	11.1	20.7
4 21	15 46.75	−15 50.2	2.287	3.214	8.2	20.5
5 1	15 39.98	−15 29.5	2.234	3.215	5.0	20.3
5 11	15 32.17	−15 7.5	2.209	3.216	1.7	20.1
5 21	15 24.05	−14 46.2	2.212	3.217	2.7	20.1
5 31	15 16.41	−14 28.4	2.244	3.217	6.0	20.4
6 10	15 9.95	−14 16.4	2.301	3.218	9.2	20.6
6 20	15 5.17	−14 12.0	2.382	3.218	12.0	20.7

507408 2012 KY_{51} 5 15.2 231.°33 5.°6/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.53	− 4 9.8	1.993	2.841	12.9	21.5
4 21	15 49.76	− 3 39.2	1.913	2.832	10.0	21.3
5 1	15 41.95	− 3 14.0	1.857	2.823	7.2	21.1
5 11	15 32.79	− 2 58.1	1.827	2.812	5.6	21.0
5 21	15 23.17	− 2 55.0	1.824	2.802	6.6	21.0
5 31	15 14.05	− 3 6.9	1.848	2.791	9.4	21.2
6 10	15 6.32	− 3 34.2	1.896	2.780	12.5	21.4
6 20	15 0.57	− 4 15.9	1.966	2.768	15.4	21.5

208389 2001 SZ_{139} 5 15.2 282.°34 0.°8/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.38	−22 16.3	2.105	2.948	12.5	20.8
4 21	15 47.54	−22 7.9	2.011	2.934	9.4	20.6
5 1	15 40.67	−21 51.3	1.941	2.919	5.9	20.3
5 11	15 32.42	−21 27.2	1.898	2.904	2.1	20.0
5 21	15 23.66	−20 57.5	1.882	2.889	2.3	20.0
5 31	15 15.33	−20 25.6	1.893	2.875	6.3	20.3
6 10	15 8.35	−19 55.5	1.930	2.860	10.0	20.5
6 20	15 3.33	−19 30.7	1.990	2.845	13.3	20.6

96093 2063 $T\text{-}_2$ 5 15.2 192.°31 1.°9/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.37	−25 8.4	2.122	2.953	12.8	20.0
4 21	15 49.69	−25 12.1	2.039	2.952	9.8	19.8
5 1	15 41.92	−25 6.0	1.979	2.950	6.4	19.6
5 11	15 32.78	−24 50.1	1.946	2.949	2.9	19.4
5 21	15 23.20	−24 25.8	1.941	2.947	2.7	19.4
5 31	15 14.18	−23 56.1	1.964	2.944	6.1	19.6
6 10	15 6.62	−23 25.2	2.013	2.942	9.7	19.8
6 20	15 1.13	−22 57.3	2.085	2.938	12.8	20.0

471812 2012 WK_{11} 5 15.2 132°.13 0°.5/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 52.62	−18 28.5	2.347	3.192	11.3	21.9
4 21	15 47.30	−18 13.3	2.274	3.199	8.4	21.7
5 1	15 40.30	−17 53.2	2.226	3.206	5.0	21.5
5 11	15 32.26	−17 29.7	2.205	3.213	1.5	21.3
5 21	15 23.95	−17 5.2	2.213	3.219	2.3	21.3
5 31	15 16.17	−16 42.4	2.249	3.226	5.8	21.6
6 10	15 9.63	−16 24.0	2.311	3.232	9.0	21.8
6 20	15 4.81	−16 12.2	2.397	3.238	11.8	22.0

323376 2003 WG_{143} 5 15.2 203°.36 0°.5/14.9 17

4 11	15 56.41	−19 9.9	1.931	2.777	13.3	22.0
4 21	15 50.55	−18 46.4	1.848	2.773	10.0	21.8
5 1	15 42.48	−18 15.7	1.788	2.768	6.0	21.5
5 11	15 32.96	−17 39.5	1.755	2.762	1.8	21.3
5 21	15 22.97	−17 1.0	1.750	2.756	2.8	21.3
5 31	15 13.58	−16 24.1	1.772	2.750	7.0	21.6
6 10	15 5.73	−15 53.2	1.821	2.742	11.0	21.8
6 20	15 0.06	−15 31.4	1.892	2.734	14.4	22.0

173130 1994 JA_{6} 5 15.2 65°.08 1°.3/14.5 17

4 11	15 55.27	−18 55.8	1.368	2.235	16.5	20.7
4 21	15 50.05	−18 12.0	1.317	2.253	12.2	20.5
5 1	15 42.22	−17 19.2	1.287	2.271	7.3	20.3
5 11	15 32.85	−16 21.8	1.281	2.289	2.3	20.0
5 21	15 23.24	−15 25.2	1.300	2.307	3.6	20.1
5 31	15 14.71	−14 35.7	1.345	2.325	8.5	20.5
6 10	15 8.28	−13 58.4	1.413	2.343	12.9	20.8
6 20	15 4.51	−13 35.9	1.501	2.361	16.5	21.0

62408 2000 SU_{176} 5 15.2 144°.13 1°.9/17.3 18

4 11	15 48.73	−28 54.2	3.892	4.697	8.0	20.0
4 21	15 43.93	−28 50.2	3.811	4.705	6.2	19.8
5 1	15 38.07	−28 38.7	3.755	4.714	4.2	19.7
5 11	15 31.57	−28 20.3	3.727	4.722	2.4	19.6
5 21	15 24.91	−27 55.7	3.729	4.729	2.1	19.6
5 31	15 18.57	−27 26.8	3.761	4.737	3.7	19.7
6 10	15 13.01	−26 55.8	3.820	4.744	5.7	19.8
6 20	15 8.56	−26 24.9	3.906	4.751	7.5	20.0

475206 2005 VD_{18} 5 15.2 330°.83 1°.3/15.9 16

4 11	15 53.44	−22 31.6	2.267	3.105	11.9	21.6
4 21	15 48.14	−22 49.7	2.185	3.103	9.0	21.4
5 1	15 40.94	−23 1.3	2.127	3.101	5.7	21.2
5 11	15 32.49	−23 6.4	2.095	3.100	2.3	20.9
5 21	15 23.61	−23 5.6	2.091	3.098	2.3	20.9
5 31	15 15.20	−23 0.9	2.116	3.097	5.8	21.1
6 10	15 8.07	−22 55.0	2.167	3.095	9.1	21.3
6 20	15 2.81	−22 50.8	2.241	3.094	12.0	21.5

417993 2007 TG_{356} 5 15.2 240°.93 2°.6/13.9 17

4 11	15 57.33	−13 25.8	1.762	2.616	14.0	22.5
4 21	15 51.51	−13 4.9	1.673	2.602	10.5	22.3
5 1	15 43.22	−12 41.5	1.607	2.587	6.6	22.0
5 11	15 33.23	−12 18.4	1.567	2.571	2.9	21.7
5 21	15 22.56	−11 58.9	1.554	2.555	4.3	21.8
5 31	15 12.40	−11 46.5	1.568	2.539	8.5	22.0
6 10	15 3.84	−11 44.2	1.607	2.521	12.6	22.2
6 20	14 57.63	−11 53.6	1.667	2.503	16.3	22.4

179291 2001 VU_{42} 5 15.2 202°.51 1°.4/16.4 18

4 11	15 51.98	−25 59.6	2.634	3.459	10.8	20.6
4 21	15 46.79	−25 35.6	2.546	3.455	8.3	20.4
5 1	15 39.98	−25 1.6	2.481	3.452	5.3	20.2
5 11	15 32.18	−24 18.7	2.445	3.448	2.3	20.0
5 21	15 24.08	−23 29.0	2.437	3.443	2.1	20.0
5 31	15 16.45	−22 35.9	2.458	3.439	5.1	20.2
6 10	15 9.97	−21 43.5	2.507	3.434	8.1	20.3
6 20	15 5.11	−20 55.4	2.581	3.428	10.8	20.5

274428 2008 SX_{29} 5 15.2 270°.21 0°.4/14.9 17

4 11	15 53.82	−19 44.9	1.998	2.846	12.9	21.1
4 21	15 48.74	−19 18.8	1.898	2.824	9.7	20.9
5 1	15 41.48	−18 44.5	1.821	2.801	5.9	20.6
5 11	15 32.70	−18 3.7	1.770	2.778	1.8	20.3
5 21	15 23.30	−17 19.5	1.747	2.754	2.7	20.3
5 31	15 14.30	−16 35.9	1.752	2.730	7.0	20.5
6 10	15 6.69	−15 57.7	1.783	2.706	11.0	20.7
6 20	15 1.15	−15 28.6	1.835	2.681	14.6	20.9

423658 2005 YP_{85} 5 15.2 20°.57 1°.0/15.7 17

4 11	15 52.57	−22 21.2	1.461	2.323	15.9	20.6
4 21	15 48.22	−22 14.7	1.396	2.328	12.0	20.4
5 1	15 41.25	−21 57.6	1.353	2.334	7.4	20.1
5 11	15 32.61	−21 31.0	1.333	2.340	2.6	19.8
5 21	15 23.52	−20 58.1	1.338	2.347	2.9	19.9
5 31	15 15.28	−20 23.7	1.369	2.354	7.7	20.2
6 10	15 8.98	−19 53.2	1.423	2.362	12.1	20.5
6 20	15 5.27	−19 30.6	1.498	2.371	15.8	20.7

96563 1998 SB_{154} 5 15.2 300°.08 2°.6/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 52.00	−13 33.4	1.854	2.715	13.1	19.9
4 21	15 47.30	−13 1.5	1.776	2.708	9.8	19.6
5 1	15 40.52	−12 26.8	1.721	2.702	6.1	19.4
5 11	15 32.38	−11 52.7	1.691	2.696	2.9	19.2
5 21	15 23.80	−11 22.9	1.689	2.689	4.1	19.3
5 31	15 15.78	−11 1.0	1.713	2.683	7.9	19.5
6 10	15 9.20	−10 50.0	1.762	2.677	11.6	19.7
6 20	15 4.68	−10 51.2	1.831	2.671	14.9	19.9

214551 2006 PF_{15} 5 15.2 244°.22 1°.0/14.6 18

4 11	15 51.83	−17 38.0	2.238	3.087	11.6	20.7
4 21	15 46.90	−17 11.7	2.153	3.080	8.6	20.5
5 1	15 40.16	−16 40.1	2.091	3.072	5.2	20.3
5 11	15 32.26	−16 5.3	2.057	3.064	1.7	20.0
5 21	15 23.98	−15 30.2	2.051	3.056	2.7	20.1
5 31	15 16.16	−14 58.0	2.073	3.048	6.3	20.3
6 10	15 9.57	−14 32.1	2.120	3.039	9.7	20.5
6 20	15 4.77	−14 14.9	2.191	3.031	12.7	20.7

74389 1998 XR_{25} 5 15.2 269°.91 0°.7/14.9 18

4 11	15 53.86	−17 19.0	2.011	2.862	12.7	19.7
4 21	15 48.64	−17 17.1	1.926	2.853	9.5	19.4
5 1	15 41.34	−17 11.1	1.864	2.845	5.7	19.2
5 11	15 32.64	−17 2.3	1.828	2.836	1.8	18.9
5 21	15 23.44	−16 52.6	1.821	2.827	2.7	18.9
5 31	15 14.72	−16 44.6	1.840	2.818	6.7	19.2
6 10	15 7.40	−16 41.0	1.886	2.810	10.5	19.4
6 20	15 2.09	−16 44.0	1.953	2.801	13.8	19.6

374559 2006 BN_{183} 5 15.2 119°.14 1°.5/16.1 17

4 11	15 56.46	−24 16.4	2.155	2.986	12.7	22.5
4 21	15 50.27	−24 12.8	2.089	3.002	9.6	22.3
5 1	15 42.13	−23 59.9	2.046	3.019	6.1	22.1
5 11	15 32.83	−23 38.2	2.030	3.035	2.5	21.9
5 21	15 23.27	−23 9.7	2.043	3.050	2.4	21.9
5 31	15 14.41	−22 37.7	2.085	3.065	5.9	22.2
6 10	15 7.06	−22 6.2	2.152	3.079	9.2	22.4
6 20	15 1.74	−21 38.8	2.244	3.093	12.2	22.6

107263 2001 BX_{65} 5 15.2 20°.25 5°.2/12.9 18

4 11	15 52.45	− 9 53.5	1.238	2.120	16.9	19.2
4 21	15 48.27	− 9 6.3	1.183	2.124	12.7	19.0
5 1	15 41.33	− 8 20.2	1.148	2.129	8.4	18.7
5 11	15 32.64	− 7 41.4	1.135	2.135	5.3	18.6
5 21	15 23.52	− 7 15.5	1.146	2.141	6.9	18.7
5 31	15 15.33	− 7 6.8	1.181	2.148	11.0	18.9
6 10	15 9.23	− 7 17.1	1.236	2.155	15.2	19.2
6 20	15 5.86	− 7 45.5	1.310	2.164	18.8	19.4

385378 2002 RV_{34} 5 15.2 219°.96 6°.4/ 9.9 18

4 11	15 50.99	− 0 46.7	2.373	3.217	11.2	21.1
4 21	15 46.07	+ 0 23.6	2.301	3.211	9.0	20.9
5 1	15 39.56	+ 1 28.4	2.253	3.203	7.1	20.8
5 11	15 32.07	+ 2 22.8	2.232	3.196	6.5	20.8
5 21	15 24.27	+ 3 2.6	2.237	3.188	7.5	20.8
5 31	15 16.91	+ 3 24.9	2.269	3.179	9.5	20.9
6 10	15 10.66	+ 3 28.7	2.325	3.171	11.9	21.1
6 20	15 5.98	+ 3 14.8	2.401	3.162	14.0	21.2

414020 2007 HA_{93} 5 15.2 309°.33 1°.7/14.6 17

4 11	15 53.46	−16 35.2	1.171	2.052	17.7	21.2
4 21	15 49.79	−16 22.5	1.087	2.030	13.4	20.9
5 1	15 42.76	−16 3.2	1.022	2.008	8.3	20.5
5 11	15 33.23	−15 40.3	0.978	1.986	2.8	20.1
5 21	15 22.54	−15 17.4	0.958	1.965	4.4	20.2
5 31	15 12.43	−15 0.1	0.961	1.944	10.3	20.4
6 10	15 4.50	−14 53.6	0.984	1.924	16.0	20.7
6 20	14 59.82	−15 1.2	1.025	1.905	20.9	20.9

190596 2000 UP_{2} 5 15.2 200°.84 0°.3/15.1 18

4 11	15 56.98	−17 50.1	2.446	3.281	11.2	21.0
4 21	15 50.60	−17 57.3	2.357	3.277	8.4	20.8
5 1	15 42.38	−18 1.0	2.294	3.272	5.1	20.6
5 11	15 32.94	−18 1.7	2.258	3.266	1.5	20.3
5 21	15 23.07	−18 0.5	2.253	3.259	2.2	20.4
5 31	15 13.62	−17 59.2	2.277	3.252	5.8	20.6
6 10	15 5.39	−18 0.0	2.328	3.245	9.1	20.8
6 20	14 58.93	−18 4.8	2.403	3.236	12.0	21.0

128830 2004 RZ_{313} 5 15.2 280°.84 1°.2/15.8 18

4 11	15 54.34	−22 39.0	1.780	2.628	14.2	20.6
4 21	15 49.37	−22 38.0	1.691	2.615	10.8	20.3
5 1	15 41.97	−22 27.6	1.624	2.601	6.8	20.0
5 11	15 32.87	−22 8.2	1.582	2.588	2.5	19.7
5 21	15 23.13	−21 41.6	1.567	2.574	2.7	19.7
5 31	15 13.91	−21 11.5	1.578	2.561	7.1	20.0
6 10	15 6.31	−20 42.7	1.615	2.547	11.3	20.2
6 20	15 1.07	−20 19.5	1.672	2.534	15.0	20.4

365105 2009 BC_{182} 5 15.2 102°.50 4°.2/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 54.91	−12 16.2	1.476	2.344	15.5	21.0
4 21	15 49.68	−11 13.2	1.417	2.353	11.5	20.8
5 1	15 42.00	−10 7.5	1.380	2.361	7.3	20.6
5 11	15 32.82	− 9 5.1	1.369	2.370	4.3	20.4
5 21	15 23.31	− 8 11.9	1.383	2.378	5.8	20.5
5 31	15 14.70	− 7 33.5	1.422	2.386	9.8	20.8
6 10	15 7.98	− 7 12.9	1.484	2.394	13.7	21.0
6 20	15 3.73	− 7 10.6	1.566	2.401	17.1	21.3

103695 2000 CL_{75} 5 15.2 335°.20 12°.3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.35	−40 32.6	1.246	2.062	20.9	18.2
4 21	15 51.26	−42 10.4	1.166	2.045	18.2	17.9
5 1	15 44.09	−43 25.7	1.103	2.029	15.3	17.7
5 11	15 33.73	−44 9.2	1.060	2.014	13.0	17.5
5 21	15 21.82	−44 14.5	1.036	2.000	12.3	17.4
5 31	15 10.63	−43 41.8	1.033	1.988	13.7	17.4
6 10	15 2.28	−42 39.4	1.049	1.977	16.5	17.6
6 20	14 58.08	−41 19.9	1.083	1.967	19.8	17.7

184005 2004 EH_{90} 5 15.2 51°.71 2°.0/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.35	−22 44.6	1.470	2.324	16.3	20.3
4 21	15 51.83	−23 11.4	1.407	2.333	12.4	20.1
5 1	15 43.48	−23 29.0	1.364	2.342	7.8	19.9
5 11	15 33.31	−23 36.5	1.346	2.351	3.2	19.6
5 21	15 22.61	−23 34.7	1.354	2.361	3.2	19.6
5 31	15 12.80	−23 26.8	1.387	2.371	7.8	19.9
6 10	15 5.09	−23 17.4	1.444	2.381	12.1	20.2
6 20	15 0.17	−23 10.8	1.522	2.391	15.8	20.5

144862 2004 LK_{13} 5 15.2 346°.65 1°.7/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 46.97	−26 13.9	1.483	2.345	15.8	18.4
4 21	15 44.21	−25 38.8	1.401	2.332	12.1	18.1
5 1	15 38.93	−24 46.2	1.341	2.319	7.8	17.8
5 11	15 31.96	−23 38.1	1.303	2.309	3.2	17.5
5 21	15 24.43	−22 19.0	1.291	2.299	3.0	17.5
5 31	15 17.59	−20 56.2	1.303	2.291	7.6	17.7
6 10	15 12.55	−19 38.1	1.339	2.284	12.2	18.0
6 20	15 9.99	−18 31.2	1.395	2.279	16.2	18.2

142297 2002 RF_{145} 5 15.2 154°.41 1°.9/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.64	−24 12.1	1.771	2.610	14.6	20.3
4 21	15 51.70	−24 22.2	1.696	2.615	11.1	20.1
5 1	15 43.28	−24 22.1	1.645	2.618	7.1	19.9
5 11	15 33.24	−24 11.5	1.618	2.622	3.1	19.6
5 21	15 22.70	−23 51.9	1.619	2.625	3.0	19.6
5 31	15 12.90	−23 26.6	1.646	2.628	7.0	19.9
6 10	15 4.88	−23 0.4	1.699	2.631	11.0	20.1
6 20	14 59.32	−22 37.9	1.774	2.633	14.4	20.4

429589 2011 ED_{46} 5 15.2 324°.89 3°.3/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.26	−12 46.9	1.453	2.328	15.3	20.6
4 21	15 47.39	−12 22.6	1.371	2.310	11.5	20.3
5 1	15 40.91	−11 56.4	1.310	2.293	7.2	20.0
5 11	15 32.59	−11 31.9	1.272	2.277	3.6	19.7
5 21	15 23.54	−11 13.4	1.260	2.261	5.0	19.8
5 31	15 15.05	−11 5.1	1.272	2.246	9.5	20.0
6 10	15 8.31	−11 10.0	1.306	2.232	14.0	20.2
6 20	15 4.12	−11 29.3	1.359	2.219	17.9	20.4

409400 2005 EW_{245} 5 15.2 58°.91 1°.9/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.37	−16 42.3	1.316	2.187	16.8	20.9
4 21	15 50.23	−16 7.8	1.265	2.203	12.4	20.7
5 1	15 42.39	−15 27.1	1.236	2.220	7.5	20.4
5 11	15 32.94	−14 44.4	1.230	2.237	2.7	20.2
5 21	15 23.22	−14 4.7	1.249	2.254	4.1	20.3
5 31	15 14.57	−13 33.1	1.293	2.271	8.9	20.6
6 10	15 8.07	−13 13.8	1.360	2.289	13.3	20.9
6 20	15 4.29	−13 8.6	1.446	2.306	17.0	21.2

57334 2001 QH_{252} 5 15.2 179°.26 0°.4/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.32	−21 16.6	2.240	3.075	12.1	20.2
4 21	15 50.21	−21 7.4	2.158	3.077	9.1	20.0
5 1	15 42.16	−20 50.9	2.101	3.078	5.6	19.8
5 11	15 32.88	−20 28.1	2.072	3.078	1.8	19.5
5 21	15 23.22	−20 1.0	2.071	3.078	2.2	19.6
5 31	15 14.12	−19 32.7	2.099	3.078	6.0	19.8
6 10	15 6.40	−19 6.6	2.154	3.076	9.5	20.0
6 20	15 0.61	−18 46.0	2.232	3.074	12.5	20.2

37347 2001 SB_{287} 5 15.2 181°.09 1°.2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.36	−21 31.6	2.179	3.009	12.6	19.4
4 21	15 52.61	−21 57.3	2.096	3.010	9.5	19.2
5 1	15 43.71	−22 17.1	2.037	3.011	6.0	19.0
5 11	15 33.37	−22 30.5	2.006	3.011	2.3	18.8
5 21	15 22.53	−22 37.7	2.004	3.010	2.4	18.8
5 31	15 12.20	−22 40.3	2.031	3.009	6.1	19.0
6 10	15 3.34	−22 41.1	2.085	3.007	9.7	19.2
6 20	14 56.56	−22 43.1	2.162	3.005	12.8	19.4

245611 2005 WP_{43} 5 15.2 56°.71 1°.1/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 56.22	−15 48.0	1.603	2.463	14.9	20.2
4 21	15 50.61	−15 55.1	1.542	2.474	11.0	20.0
5 1	15 42.58	−15 59.4	1.502	2.485	6.7	19.8
5 11	15 33.03	−16 2.3	1.489	2.496	2.1	19.5
5 21	15 23.08	−16 5.5	1.501	2.507	3.2	19.6
5 31	15 13.94	−16 11.5	1.540	2.519	7.7	19.9
6 10	15 6.63	−16 22.5	1.603	2.531	11.8	20.2
6 20	15 1.77	−16 40.3	1.688	2.543	15.2	20.4

263450 2008 ET_{2} 5 15.2 7°.88 1°.5/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.69	−14 33.3	1.944	2.801	12.8	20.6
4 21	15 47.72	−14 35.5	1.871	2.802	9.5	20.4
5 1	15 40.74	−14 36.1	1.822	2.803	5.8	20.2
5 11	15 32.47	−14 37.0	1.798	2.805	2.1	20.0
5 21	15 23.80	−14 39.6	1.802	2.806	3.1	20.0
5 31	15 15.68	−14 46.1	1.833	2.809	6.9	20.3
6 10	15 8.99	−14 58.4	1.889	2.811	10.5	20.5
6 20	15 4.29	−15 17.5	1.967	2.814	13.7	20.7

332100 2005 UE_{182} 5 15.2 273°.18 0°.2/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.34	−19 41.0	1.753	2.605	14.2	20.9
4 21	15 50.13	−19 42.9	1.664	2.592	10.7	20.6
5 1	15 42.44	−19 38.2	1.599	2.579	6.6	20.4
5 11	15 33.04	−19 27.8	1.558	2.566	2.0	20.0
5 21	15 22.96	−19 13.3	1.545	2.553	2.7	20.1
5 31	15 13.40	−18 58.1	1.558	2.539	7.4	20.3
6 10	15 5.46	−18 45.8	1.596	2.526	11.6	20.5
6 20	14 59.90	−18 39.9	1.655	2.513	15.4	20.7

181176 2005 SN_{73} 5 15.2 184°.71 1°.9/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.25	−13 52.7	2.739	3.586	9.8	20.5
4 21	15 45.36	−13 20.6	2.660	3.586	7.3	20.3
5 1	15 39.08	−12 46.4	2.606	3.585	4.5	20.1
5 11	15 31.94	−12 12.4	2.581	3.585	2.1	20.0
5 21	15 24.55	−11 41.1	2.584	3.584	3.0	20.0
5 31	15 17.57	−11 15.1	2.617	3.583	5.8	20.2
6 10	15 11.58	−10 56.5	2.676	3.581	8.5	20.4
6 20	15 7.00	−10 46.6	2.758	3.579	10.9	20.6

463857 2014 UO_{18} 5 15.2 149°.94 1°.2/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.84	−17 52.4	1.733	2.587	14.2	21.9
4 21	15 50.21	−17 19.5	1.663	2.593	10.6	21.6
5 1	15 42.29	−16 39.9	1.616	2.598	6.4	21.4
5 11	15 32.94	−15 56.3	1.595	2.603	2.1	21.1
5 21	15 23.21	−15 12.7	1.602	2.607	3.3	21.2
5 31	15 14.24	−14 33.8	1.635	2.611	7.6	21.5
6 10	15 6.98	−14 3.8	1.693	2.615	11.6	21.7
6 20	15 2.03	−13 45.4	1.773	2.618	15.0	22.0

115035 2003 QU_{106} 5 15.2 272°.61 1°.8/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.50	−15 29.5	1.542	2.404	15.3	20.2
4 21	15 51.30	−15 18.2	1.453	2.386	11.5	19.9
5 1	15 43.32	−15 3.0	1.386	2.368	7.1	19.6
5 11	15 33.35	−14 46.0	1.343	2.350	2.6	19.3
5 21	15 22.54	−14 30.2	1.327	2.332	3.9	19.3
5 31	15 12.24	−14 19.4	1.336	2.313	8.8	19.5
6 10	15 3.73	−14 17.2	1.368	2.294	13.5	19.8
6 20	14 57.86	−14 26.2	1.421	2.275	17.6	20.0

501506 2014 DV_{68} 5 15.2 149°.71 6°.5/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.08	+ 0 17.9	2.418	3.261	11.1	21.5
4 21	15 45.31	+ 1 25.4	2.358	3.265	8.9	21.3
5 1	15 39.07	+ 2 26.1	2.322	3.269	7.2	21.2
5 11	15 31.94	+ 3 15.2	2.312	3.272	6.5	21.2
5 21	15 24.59	+ 3 49.1	2.329	3.275	7.5	21.3
5 31	15 17.72	+ 4 5.5	2.373	3.278	9.4	21.4
6 10	15 11.95	+ 4 3.8	2.439	3.281	11.5	21.5
6 20	15 7.70	+ 3 45.3	2.526	3.284	13.5	21.7

239439 2007 TQ_{168} 5 15.2 262°.29 0°.1/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.05	−20 44.4	2.047	2.895	12.6	20.6
4 21	15 47.23	−20 16.9	1.965	2.891	9.4	20.4
5 1	15 40.44	−19 41.1	1.907	2.887	5.7	20.2
5 11	15 32.40	−18 59.1	1.874	2.882	1.7	19.9
5 21	15 23.96	−18 13.9	1.870	2.877	2.4	19.9
5 31	15 16.07	−17 29.7	1.893	2.873	6.4	20.2
6 10	15 9.57	−16 50.6	1.942	2.868	10.1	20.4
6 20	15 5.02	−16 20.1	2.013	2.864	13.3	20.6

299760 2006 SS_{4} 5 15.2 261°.34 3°.2/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.09	−27 31.3	2.437	3.252	11.9	20.1
4 21	15 51.04	−28 9.8	2.334	3.234	9.3	19.9
5 1	15 42.87	−28 40.2	2.255	3.216	6.5	19.7
5 11	15 33.19	−29 0.7	2.203	3.197	3.8	19.5
5 21	15 22.82	−29 10.7	2.180	3.179	3.5	19.4
5 31	15 12.75	−29 11.1	2.185	3.160	6.1	19.6
6 10	15 3.90	−29 4.7	2.217	3.140	9.2	19.7
6 20	14 56.98	−28 55.4	2.274	3.121	12.1	19.9

286569 2002 CE_{206} 5 15.2 169°.33 3°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 56.95	−12 36.8	1.746	2.602	14.1	21.1
4 21	15 50.99	−11 58.5	1.676	2.605	10.5	20.9
5 1	15 42.76	−11 18.0	1.629	2.609	6.6	20.6
5 11	15 33.10	−10 39.3	1.609	2.611	3.4	20.4
5 21	15 23.05	−10 6.3	1.615	2.613	4.7	20.5
5 31	15 13.71	− 9 43.1	1.649	2.615	8.5	20.8
6 10	15 6.05	− 9 32.4	1.707	2.616	12.3	21.0
6 20	15 0.68	− 9 35.2	1.786	2.616	15.6	21.2

142012 2002 PF_{165} 5 15.2 215°.51 3°.7/13.2 17

4 11	15 55.36	−10 54.2	1.824	2.680	13.5	21.1
4 21	15 49.83	−10 15.8	1.745	2.675	10.2	20.9
5 1	15 42.09	− 9 36.6	1.691	2.669	6.6	20.7
5 11	15 32.92	− 9 0.5	1.662	2.662	3.8	20.5
5 21	15 23.27	− 8 31.6	1.661	2.655	5.1	20.5
5 31	15 14.22	− 8 13.5	1.686	2.648	8.7	20.7
6 10	15 6.69	− 8 8.8	1.736	2.640	12.4	20.9
6 20	15 1.33	− 8 18.0	1.807	2.632	15.6	21.1

14813 1981 QW_2 5 15.2 300°.14 0°.9/15.5 18 R

4 11	15 55.63	−20 42.8	1.266	2.135	17.5	18.1
4 21	15 51.35	−20 54.1	1.179	2.114	13.4	17.8
5 1	15 43.72	−20 56.9	1.111	2.093	8.4	17.4
5 11	15 33.58	−20 51.0	1.065	2.073	2.8	17.0
5 21	15 22.25	−20 37.9	1.044	2.052	3.4	17.0
5 31	15 11.47	−20 21.4	1.046	2.032	9.3	17.3
6 10	15 2.85	−20 7.1	1.071	2.013	14.8	17.5
6 20	14 57.46	−20 0.4	1.113	1.994	19.6	17.7

387710 2003 BY_{35} 5 15.2 41°.55 5°.3/11.8 18

4 11	15 50.98	− 4 45.2	2.094	2.949	12.1	20.5
4 21	15 46.21	− 4 0.3	2.029	2.952	9.3	20.3
5 1	15 39.72	− 3 19.9	1.987	2.954	6.7	20.1
5 11	15 32.17	− 2 48.2	1.972	2.957	5.4	20.1
5 21	15 24.34	− 2 28.7	1.984	2.959	6.4	20.1
5 31	15 17.04	− 2 23.9	2.021	2.962	8.9	20.3
6 10	15 11.02	− 2 34.5	2.083	2.965	11.6	20.5
6 20	15 6.75	− 2 59.8	2.165	2.968	14.1	20.6

491033 2011 QY_3 5 15.2 265°.22 4°.0/ 9.6 18

4 11	15 43.25	+ 0 54.7	4.419	5.253	6.6	21.5
4 21	15 39.79	+ 1 41.5	4.349	5.250	5.4	21.4
5 1	15 35.57	+ 2 24.2	4.306	5.247	4.3	21.4
5 11	15 30.89	+ 3 0.4	4.290	5.244	4.0	21.3
5 21	15 26.08	+ 3 28.5	4.303	5.241	4.6	21.4
5 31	15 21.49	+ 3 47.0	4.342	5.238	5.7	21.4
6 10	15 17.42	+ 3 55.5	4.407	5.235	7.0	21.5
6 20	15 14.14	+ 3 53.9	4.494	5.231	8.3	21.6

210252 2007 RF_{257} 5 15.2 76°.95 1°.5/14.4 17

4 11	15 52.78	−16 6.4	1.946	2.801	12.8	20.5
4 21	15 47.74	−15 43.4	1.876	2.806	9.5	20.3
5 1	15 40.73	−15 16.3	1.830	2.812	5.7	20.1
5 11	15 32.49	−14 47.7	1.810	2.817	2.1	19.9
5 21	15 23.93	−14 20.5	1.818	2.822	3.2	20.0
5 31	15 15.98	−13 58.2	1.852	2.827	7.0	20.2
6 10	15 9.49	−13 43.7	1.912	2.832	10.6	20.4
6 20	15 4.99	−13 38.7	1.994	2.838	13.7	20.7

216196 2006 UW_5 5 15.2 80°.56 1°.4/14.3 17

4 11	15 51.16	−16 41.6	2.195	3.047	11.7	20.9
4 21	15 46.33	−16 9.7	2.125	3.054	8.6	20.8
5 1	15 39.79	−15 33.3	2.079	3.061	5.2	20.5
5 11	15 32.20	−14 55.0	2.061	3.068	1.9	20.3
5 21	15 24.36	−14 18.1	2.070	3.074	2.9	20.4
5 31	15 17.07	−13 45.7	2.108	3.081	6.4	20.7
6 10	15 11.06	−13 21.0	2.171	3.088	9.6	20.9
6 20	15 6.80	−13 5.8	2.256	3.095	12.5	21.1

357117 2001 WG_{23} 5 15.2 149°.06 4°.6/19.4 18

4 11	15 58.21	−39 16.1	3.709	4.450	9.5	23.0
4 21	15 51.16	−39 47.7	3.627	4.464	7.9	22.9
5 1	15 42.58	−40 7.5	3.570	4.477	6.3	22.8
5 11	15 33.05	−40 14.1	3.541	4.489	5.0	22.7
5 21	15 23.22	−40 7.3	3.540	4.500	4.6	22.7
5 31	15 13.80	−39 48.2	3.568	4.511	5.3	22.8
6 10	15 5.44	−39 19.8	3.625	4.521	6.8	22.9
6 20	14 58.61	−38 45.5	3.707	4.530	8.3	23.0

93384 2000 SY_{277} 5 15.2 160°.92 0°.8/15.8 18

4 11	15 55.00	−22 40.0	2.082	2.920	12.8	20.5
4 21	15 49.38	−22 28.7	2.005	2.924	9.6	20.3
5 1	15 41.74	−22 8.5	1.951	2.928	6.0	20.1
5 11	15 32.83	−21 40.6	1.925	2.931	2.1	19.8
5 21	15 23.55	−21 7.3	1.926	2.934	2.3	19.8
5 31	15 14.88	−20 32.0	1.956	2.936	6.2	20.1
6 10	15 7.68	−19 58.9	2.011	2.939	9.8	20.3
6 20	15 2.52	−19 31.6	2.090	2.940	12.9	20.5

102573 1999 UH_{40} 5 15.2 53°.66 4°.4/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.91	−28 29.3	1.470	2.310	17.0	19.8
4 21	15 52.50	−29 2.3	1.401	2.315	13.4	19.5
5 1	15 44.06	−29 20.5	1.353	2.319	9.2	19.3
5 11	15 33.60	−29 21.8	1.328	2.324	5.4	19.1
5 21	15 22.49	−29 6.2	1.328	2.329	4.8	19.1
5 31	15 12.27	−28 37.6	1.353	2.334	8.2	19.3
6 10	15 4.25	−28 2.4	1.401	2.339	12.3	19.5
6 20	14 59.21	−27 27.6	1.471	2.344	16.1	19.8

410306 2007 TX_{381} 5 15.2 130°.23 0°.1/15.2 17

4 11	15 58.21	−19 19.3	1.668	2.519	14.9	21.9
4 21	15 52.09	−19 13.7	1.602	2.529	11.1	21.7
5 1	15 43.51	−19 1.1	1.558	2.538	6.7	21.5
5 11	15 33.38	−18 43.0	1.539	2.547	2.0	21.2
5 21	15 22.84	−18 21.7	1.548	2.556	2.8	21.3
5 31	15 13.12	−18 1.1	1.584	2.564	7.4	21.6
6 10	15 5.25	−17 45.1	1.644	2.571	11.5	21.8
6 20	14 59.87	−17 36.7	1.726	2.579	15.1	22.1

509535 2007 YY_{72} 5 15.2 112°.71 6°.6/10.8 18

4 11	15 52.55	+ 3 11.4	2.566	3.395	10.9	22.0
4 21	15 46.98	+ 3 50.8	2.515	3.411	8.9	21.9
5 1	15 40.02	+ 4 20.8	2.489	3.426	7.3	21.8
5 11	15 32.26	+ 4 38.0	2.489	3.441	6.6	21.8
5 21	15 24.37	+ 4 40.0	2.516	3.455	7.3	21.8
5 31	15 17.00	+ 4 25.8	2.569	3.470	8.9	22.0
6 10	15 10.74	+ 3 56.1	2.647	3.484	10.9	22.1
6 20	15 5.98	+ 3 12.6	2.746	3.497	12.7	22.3

470441 2007 XE_{29} 5 15.2 206°.51 0°.1/15.3 17

4 11	15 53.01	−20 19.9	2.293	3.134	11.6	22.2
4 21	15 47.77	−20 7.3	2.209	3.132	8.7	22.0
5 1	15 40.73	−19 48.2	2.150	3.129	5.3	21.8
5 11	15 32.53	−19 24.0	2.118	3.125	1.6	21.5
5 21	15 23.96	−18 56.7	2.114	3.122	2.2	21.5
5 31	15 15.87	−18 29.4	2.139	3.118	5.8	21.8
6 10	15 9.04	−18 5.3	2.190	3.114	9.2	22.0
6 20	15 4.00	−17 47.1	2.264	3.110	12.2	22.2

497503 2006 BL_6 5 15.2 199°.73 9°.3/23.0 17

4 11	16 9.14	−54 22.3	3.075	3.715	13.1	22.9
4 21	16 0.41	−55 18.4	2.980	3.709	11.9	22.7
5 1	15 48.75	−55 55.0	2.905	3.703	10.8	22.6
5 11	15 35.03	−56 7.2	2.851	3.696	9.8	22.6
5 21	15 20.53	−55 52.5	2.822	3.687	9.3	22.5
5 31	15 6.70	−55 11.4	2.817	3.678	9.5	22.5
6 10	14 54.86	−54 8.7	2.836	3.668	10.4	22.5
6 20	14 45.83	−52 51.0	2.879	3.657	11.6	22.6

388710 2007 VU_{100} 5 15.2 84°.14 1°.6/16.4 17

4 11	15 52.91	−25 40.2	2.150	2.983	12.6	21.1
4 21	15 47.72	−25 21.8	2.081	2.996	9.6	20.9
5 1	15 40.67	−24 52.7	2.035	3.008	6.1	20.7
5 11	15 32.49	−24 13.8	2.016	3.020	2.6	20.5
5 21	15 24.07	−23 27.9	2.025	3.032	2.4	20.5
5 31	15 16.31	−22 38.9	2.062	3.044	5.8	20.7
6 10	15 9.98	−21 51.4	2.125	3.056	9.1	21.0
6 20	15 5.58	−21 9.4	2.212	3.068	12.1	21.2

462123 2007 RR_{177} 5 15.2 139°.11 0°.6/14.9 16

4 11	15 57.86	−19 3.6	1.767	2.615	14.3	22.6
4 21	15 51.67	−18 41.8	1.700	2.626	10.6	22.4
5 1	15 43.18	−18 12.9	1.656	2.636	6.4	22.2
5 11	15 33.27	−17 38.9	1.638	2.646	1.9	21.9
5 21	15 23.03	−17 3.0	1.648	2.655	2.9	22.0
5 31	15 13.59	−16 29.6	1.686	2.664	7.2	22.3
6 10	15 5.90	−16 2.7	1.749	2.672	11.2	22.5
6 20	15 0.56	−15 45.3	1.833	2.679	14.6	22.8

328326 2008 JK_{19} 5 15.2 98°.00 2°.6/13.9 17

4 11	15 57.39	−13 15.3	1.721	2.577	14.2	21.4
4 21	15 51.19	−12 53.2	1.667	2.596	10.5	21.2
5 1	15 42.81	−12 29.6	1.636	2.616	6.5	21.0
5 11	15 33.14	−12 7.5	1.630	2.635	2.9	20.9
5 21	15 23.25	−11 50.1	1.652	2.653	4.1	21.0
5 31	15 14.22	−11 40.3	1.701	2.671	7.9	21.2
6 10	15 6.94	−11 40.3	1.775	2.689	11.6	21.5
6 20	15 1.94	−11 50.9	1.870	2.706	14.7	21.7

423698 2006 AK_{49} 5 15.2 100°.85 2°.9/17.1 17

4 11	15 56.42	−28 41.0	1.937	2.762	14.1	21.5
4 21	15 50.52	−28 32.9	1.872	2.778	10.9	21.4
5 1	15 42.44	−28 10.9	1.829	2.795	7.3	21.2
5 11	15 33.04	−27 35.2	1.812	2.811	3.9	21.0
5 21	15 23.38	−26 48.3	1.823	2.826	3.3	21.0
5 31	15 14.54	−25 54.6	1.861	2.842	6.4	21.2
6 10	15 7.43	−25 0.0	1.925	2.857	9.9	21.4
6 20	15 2.57	−24 9.5	2.012	2.871	13.0	21.7

133853 2003 YQ_{133} 5 15.2 273°.97 3°.7/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 47.72	−38 55.2	4.485	5.239	7.8	19.9
4 21	15 43.30	−39 9.3	4.388	5.233	6.5	19.8
5 1	15 37.81	−39 14.0	4.316	5.227	5.2	19.7
5 11	15 31.63	−39 8.8	4.269	5.221	4.1	19.6
5 21	15 25.22	−38 53.8	4.251	5.215	3.7	19.6
5 31	15 19.08	−38 30.3	4.260	5.209	4.3	19.6
6 10	15 13.64	−38 0.0	4.297	5.204	5.5	19.7
6 20	15 9.26	−37 25.6	4.359	5.198	6.9	19.8

185666 1995 FT_{9} 5 15.2 339°.66 3°.3/11.2 18

4 11	15 43.75	− 4 27.9	3.969	4.814	7.1	19.8
4 21	15 40.26	− 3 48.5	3.894	4.811	5.5	19.7
5 1	15 35.91	− 3 11.5	3.845	4.807	4.0	19.6
5 11	15 31.05	− 2 39.2	3.825	4.804	3.3	19.5
5 21	15 26.04	− 2 13.4	3.833	4.801	3.9	19.6
5 31	15 21.26	− 1 55.7	3.869	4.798	5.4	19.7
6 10	15 17.08	− 1 47.0	3.931	4.795	7.0	19.8
6 20	15 13.77	− 1 47.4	4.016	4.793	8.6	19.9

63076 2000 WV_{127} 5 15.2 221°.42 3°.0/13.1 18

4 11	15 51.65	− 9 23.1	2.729	3.574	9.9	19.6
4 21	15 46.47	− 8 58.2	2.643	3.566	7.4	19.4
5 1	15 39.83	− 8 34.0	2.583	3.557	4.9	19.2
5 11	15 32.26	− 8 13.1	2.551	3.548	3.1	19.1
5 21	15 24.38	− 7 57.7	2.548	3.539	3.9	19.1
5 31	15 16.86	− 7 49.9	2.573	3.529	6.4	19.3
6 10	15 10.31	− 7 51.1	2.625	3.518	9.1	19.4
6 20	15 5.19	− 8 1.9	2.700	3.508	11.5	19.6

37491 1112 $T\text{-}_{2}$ 5 15.2 275°.76 0°.1/15.2 18

4 11	15 51.84	−19 45.6	2.295	3.140	11.5	20.1
4 21	15 47.02	−19 30.1	2.199	3.123	8.6	19.9
5 1	15 40.36	−19 8.3	2.127	3.107	5.3	19.6
5 11	15 32.46	−18 41.6	2.082	3.090	1.6	19.3
5 21	15 24.10	−18 12.0	2.066	3.073	2.2	19.4
5 31	15 16.11	−17 42.8	2.077	3.056	6.0	19.6
6 10	15 9.32	−17 17.2	2.114	3.039	9.5	19.8
6 20	15 4.29	−16 58.2	2.175	3.021	12.6	19.9

409392 2005 EM_{73} 5 15.2 96°.04 1°.3/14.6 16

4 11	15 57.38	−17 48.9	1.539	2.397	15.5	21.8
4 21	15 51.47	−17 18.6	1.483	2.415	11.5	21.6
5 1	15 43.09	−16 41.6	1.450	2.432	6.9	21.3
5 11	15 33.25	−16 1.0	1.441	2.449	2.2	21.1
5 21	15 23.16	−15 21.1	1.459	2.465	3.4	21.2
5 31	15 14.03	−14 46.6	1.504	2.481	8.0	21.5
6 10	15 6.86	−14 21.7	1.572	2.497	12.1	21.8
6 20	15 2.21	−14 8.7	1.662	2.513	15.6	22.1

222683 2001 YG_{96} 5 15.2 145°.93 1°.6/14.4 18

4 11	15 56.29	−14 50.1	2.112	2.958	12.3	20.9
4 21	15 50.20	−14 40.7	2.041	2.967	9.1	20.7
5 1	15 42.19	−14 28.9	1.995	2.975	5.6	20.5
5 11	15 32.99	−14 16.6	1.976	2.982	2.1	20.3
5 21	15 23.47	−14 5.8	1.986	2.990	3.1	20.4
5 31	15 14.56	−13 59.1	2.024	2.996	6.7	20.6
6 10	15 7.06	−13 58.6	2.088	3.002	10.1	20.8
6 20	15 1.52	−14 5.7	2.175	3.008	13.1	21.0

192667 1999 RC_{199} 5 15.3 285°.33 6°.7/19.1 18

4 11	15 56.25	−36 59.7	1.884	2.682	15.5	19.8
4 21	15 51.19	−37 22.9	1.784	2.661	12.9	19.5
5 1	15 43.32	−37 27.1	1.703	2.640	10.0	19.3
5 11	15 33.45	−37 8.9	1.646	2.619	7.5	19.1
5 21	15 22.74	−36 27.1	1.614	2.598	6.7	19.0
5 31	15 12.58	−35 24.9	1.608	2.576	8.5	19.1
6 10	15 4.24	−34 9.1	1.627	2.555	11.6	19.2
6 20	14 58.59	−32 48.1	1.667	2.534	14.9	19.4

348871 2006 SS_{162} 5 15.3 86°.04 0°.1/15.2 17

4 11	15 52.74	−19 35.5	2.257	3.101	11.7	21.4
4 21	15 47.46	−19 23.1	2.192	3.116	8.7	21.3
5 1	15 40.48	−19 5.0	2.150	3.130	5.2	21.1
5 11	15 32.46	−18 42.8	2.136	3.143	1.6	20.8
5 21	15 24.21	−18 18.6	2.150	3.157	2.2	20.9
5 31	15 16.55	−17 55.3	2.192	3.171	5.7	21.2
6 10	15 10.19	−17 35.9	2.261	3.185	9.0	21.4
6 20	15 5.61	−17 22.5	2.352	3.198	11.8	21.6

390394 2013 WC_{98} 5 15.3 214°.45 1°.6/16.3 17

4 11	15 55.06	−25 12.5	2.215	3.044	12.4	21.7
4 21	15 49.46	−24 59.6	2.125	3.037	9.5	21.5
5 1	15 41.84	−24 36.1	2.059	3.030	6.1	21.3
5 11	15 32.92	−24 2.6	2.019	3.023	2.6	21.0
5 21	15 23.55	−23 21.2	2.008	3.015	2.4	21.0
5 31	15 14.70	−22 35.4	2.025	3.006	6.0	21.2
6 10	15 7.24	−21 49.9	2.069	2.997	9.5	21.4
6 20	15 1.75	−21 8.9	2.137	2.988	12.6	21.6

145866 1999 RL_{55} 5 15.3 273°.06 0°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 51.72	−17 24.6	2.466	3.311	10.8	20.3
4 21	15 46.83	−17 4.3	2.364	3.289	8.1	20.1
5 1	15 40.21	−16 39.4	2.287	3.267	4.9	19.9
5 11	15 32.43	−16 11.4	2.237	3.244	1.6	19.6
5 21	15 24.18	−15 42.7	2.216	3.222	2.5	19.6
5 31	15 16.25	−15 16.1	2.224	3.199	6.0	19.8
6 10	15 9.39	−14 54.6	2.258	3.176	9.3	20.0
6 20	15 4.16	−14 40.5	2.315	3.152	12.3	20.2

282124 2001 FV_{186} 5 15.3 99°.03 6°.9/10.6 17

4 11	15 52.61	− 1 26.9	2.002	2.852	12.8	20.5
4 21	15 47.38	− 0 16.1	1.952	2.867	10.1	20.4
5 1	15 40.41	+ 0 47.6	1.926	2.881	7.8	20.3
5 11	15 32.44	+ 1 38.4	1.927	2.896	6.9	20.2
5 21	15 24.29	+ 2 12.1	1.953	2.910	7.9	20.3
5 31	15 16.82	+ 2 26.4	2.005	2.924	10.2	20.5
6 10	15 10.71	+ 2 21.0	2.080	2.938	12.6	20.7
6 20	15 6.44	+ 1 57.7	2.175	2.951	14.9	20.9

117065 2004 KD_{9} 5 15.3 311°.67 2°.8/13.8 18

4 11	15 51.55	−12 9.8	1.910	2.771	12.8	19.2
4 21	15 47.14	−11 51.7	1.815	2.747	9.6	18.9
5 1	15 40.61	−11 32.7	1.744	2.724	6.1	18.7
5 11	15 32.60	−11 15.7	1.698	2.701	3.1	18.4
5 21	15 23.96	−11 3.6	1.679	2.679	4.3	18.4
5 31	15 15.70	−10 59.4	1.686	2.656	8.0	18.6
6 10	15 8.76	−11 5.4	1.718	2.634	11.8	18.8
6 20	15 3.82	−11 22.8	1.771	2.613	15.2	19.0

312093 2007 TT_{108} 5 15.3 248°.35 2°.8/16.6 17

4 11	15 58.07	−26 26.8	1.663	2.500	15.5	21.4
4 21	15 52.51	−26 34.5	1.571	2.486	12.1	21.2
5 1	15 44.11	−26 29.0	1.502	2.473	8.0	20.9
5 11	15 33.70	−26 9.5	1.457	2.458	4.0	20.6
5 21	15 22.48	−25 36.8	1.438	2.443	3.6	20.6
5 31	15 11.85	−24 54.9	1.446	2.428	7.7	20.8
6 10	15 3.09	−24 10.2	1.478	2.412	12.1	21.0
6 20	14 57.04	−23 28.9	1.532	2.396	16.0	21.2

382784 2003 SG_{296} 5 15.3 218°.23 3°.6/17.7 18

4 11	15 55.52	−30 58.1	2.368	3.175	12.4	21.5
4 21	15 49.81	−31 3.9	2.275	3.168	9.8	21.3
5 1	15 42.08	−30 56.8	2.205	3.160	7.0	21.1
5 11	15 33.01	−30 36.1	2.162	3.152	4.3	21.0
5 21	15 23.47	−30 2.4	2.146	3.144	3.8	20.9
5 31	15 14.42	−29 18.8	2.159	3.135	6.1	21.0
6 10	15 6.76	−28 29.9	2.198	3.125	9.1	21.2
6 20	15 1.07	−27 40.7	2.262	3.115	11.9	21.4

512491 2016 QV_{87} 5 15.3 263°.98 3°.4/13.4 18

4 11	15 53.53	− 7 47.5	2.424	3.270	11.0	20.5
4 21	15 48.07	− 7 41.5	2.338	3.259	8.3	20.3
5 1	15 40.91	− 7 38.5	2.276	3.248	5.5	20.1
5 11	15 32.64	− 7 40.8	2.241	3.237	3.5	19.9
5 21	15 23.97	− 7 50.0	2.235	3.226	4.4	20.0
5 31	15 15.66	− 8 7.8	2.257	3.215	7.1	20.1
6 10	15 8.46	− 8 34.6	2.305	3.203	10.0	20.3
6 20	15 2.89	− 9 10.4	2.377	3.192	12.7	20.4

257953 2000 YN_{119} 5 15.3 191°.15 0°.4/15.1 18

4 11	15 57.95	−18 35.2	1.784	2.632	14.2	20.9
4 21	15 51.93	−18 28.5	1.705	2.631	10.6	20.6
5 1	15 43.49	−18 15.8	1.649	2.629	6.4	20.4
5 11	15 33.47	−17 58.3	1.620	2.627	1.9	20.1
5 21	15 22.92	−17 38.4	1.618	2.625	2.8	20.1
5 31	15 13.03	−17 19.4	1.643	2.622	7.3	20.4
6 10	15 4.82	−17 5.1	1.694	2.618	11.4	20.6
6 20	14 58.98	−16 58.5	1.766	2.614	15.0	20.9

289999 2005 PX_{14} 5 15.3 325°.61 1°.0/15.7 17

4 11	15 52.77	−21 27.2	1.332	2.201	16.8	20.4
4 21	15 48.96	−21 32.6	1.251	2.186	12.8	20.1
5 1	15 42.14	−21 28.4	1.189	2.172	8.0	19.8
5 11	15 33.17	−21 14.9	1.151	2.158	2.8	19.5
5 21	15 23.31	−20 54.2	1.136	2.145	3.2	19.5
5 31	15 14.10	−20 30.6	1.146	2.133	8.6	19.7
6 10	15 6.92	−20 9.7	1.178	2.121	13.6	20.0
6 20	15 2.67	−19 56.4	1.229	2.111	18.0	20.2

523530 2017 OA_{66} 5 15.3 293°.40 8°.6/ 9.3 17

4 11	15 51.27	− 0 35.3	1.696	2.556	14.2	20.8
4 21	15 46.89	+ 1 0.3	1.631	2.548	11.5	20.6
5 1	15 40.39	+ 2 29.3	1.588	2.541	9.3	20.4
5 11	15 32.53	+ 3 43.6	1.570	2.534	8.7	20.4
5 21	15 24.25	+ 4 36.5	1.577	2.527	10.0	20.4
5 31	15 16.58	+ 5 3.7	1.607	2.520	12.6	20.6
6 10	15 10.42	+ 5 4.2	1.658	2.513	15.4	20.7
6 20	15 6.35	+ 4 40.2	1.727	2.507	18.0	20.9

349466 2008 CO_{163} 5 15.3 66°.53 5°.6/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 50.93	− 3 52.5	2.129	2.982	12.0	20.0
4 21	15 46.09	− 2 58.9	2.077	2.997	9.3	19.9
5 1	15 39.64	− 2 10.5	2.049	3.012	6.8	19.8
5 11	15 32.25	− 1 32.0	2.047	3.027	5.6	19.7
5 21	15 24.68	− 1 6.7	2.073	3.043	6.6	19.8
5 31	15 17.72	− 0 57.0	2.124	3.058	8.9	20.0
6 10	15 12.02	− 1 3.4	2.199	3.073	11.4	20.2
6 20	15 8.02	− 1 24.7	2.295	3.088	13.7	20.3

248505 2005 UU_{482} 5 15.3 250°.98 0°.2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.87	−20 49.9	2.590	3.427	10.6	21.5
4 21	15 46.86	−20 37.3	2.494	3.414	7.9	21.3
5 1	15 40.21	−20 18.4	2.423	3.400	4.9	21.1
5 11	15 32.47	−19 54.3	2.379	3.386	1.6	20.8
5 21	15 24.33	−19 26.9	2.364	3.372	1.9	20.8
5 31	15 16.56	−18 58.8	2.378	3.357	5.3	21.0
6 10	15 9.85	−18 33.0	2.419	3.342	8.5	21.2
6 20	15 4.72	−18 12.1	2.484	3.327	11.3	21.4

138849 2000 WL_3 5 15.3 167°.30 7°.7/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.30	+13 16.0	3.266	4.049	9.9	20.5
4 21	15 46.63	+13 58.2	3.212	4.054	8.7	20.5
5 1	15 39.80	+14 28.2	3.182	4.059	7.9	20.4
5 11	15 32.29	+14 42.7	3.178	4.063	7.8	20.4
5 21	15 24.63	+14 39.8	3.199	4.066	8.3	20.4
5 31	15 17.38	+14 18.9	3.246	4.069	9.3	20.5
6 10	15 11.01	+13 41.0	3.315	4.072	10.6	20.6
6 20	15 5.89	+12 48.4	3.404	4.074	11.8	20.7

231874 2000 UP_3 5 15.3 178°.09 0°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.61	−20 30.9	2.687	3.518	10.5	22.2
4 21	15 48.68	−20 5.3	2.603	3.520	7.8	22.1
5 1	15 41.19	−19 33.4	2.545	3.522	4.7	21.9
5 11	15 32.74	−18 56.5	2.516	3.523	1.4	21.6
5 21	15 24.02	−18 16.9	2.517	3.524	2.0	21.7
5 31	15 15.77	−17 37.8	2.547	3.523	5.2	21.9
6 10	15 8.64	−17 2.3	2.605	3.522	8.3	22.1
6 20	15 3.11	−16 33.0	2.687	3.520	10.9	22.3

152335 2005 UZ_{42} 5 15.3 187°.13 0°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.19	−19 13.2	2.745	3.582	10.1	20.5
4 21	15 46.93	−19 9.1	2.662	3.582	7.5	20.3
5 1	15 40.16	−19 0.6	2.603	3.581	4.6	20.1
5 11	15 32.44	−18 48.6	2.573	3.580	1.4	19.9
5 21	15 24.41	−18 34.7	2.572	3.579	1.9	19.9
5 31	15 16.78	−18 20.8	2.600	3.577	5.0	20.2
6 10	15 10.18	−18 9.2	2.655	3.575	8.0	20.3
6 20	15 5.08	−18 1.9	2.734	3.573	10.5	20.5

312141 2007 TW_{314} 5 15.3 122°.65 0°.2/15.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.72	−21 2.3	1.668	2.517	14.9	22.2
4 21	15 51.73	−20 44.5	1.603	2.529	11.2	22.0
5 1	15 43.32	−20 17.6	1.561	2.540	6.8	21.8
5 11	15 33.41	−19 43.3	1.544	2.552	2.1	21.5
5 21	15 23.16	−19 4.8	1.554	2.562	2.7	21.6
5 31	15 13.76	−18 26.8	1.592	2.572	7.3	21.9
6 10	15 6.23	−17 54.1	1.654	2.582	11.4	22.2
6 20	15 1.15	−17 30.3	1.737	2.592	14.9	22.4

367687 2010 RT_2 5 15.3 238°.30 3°.7/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.50	−11 49.8	1.740	2.599	14.0	21.6
4 21	15 50.15	−11 3.3	1.657	2.588	10.5	21.3
5 1	15 42.46	−10 14.2	1.597	2.576	6.7	21.1
5 11	15 33.20	− 9 26.8	1.563	2.564	3.9	20.9
5 21	15 23.37	− 8 45.9	1.555	2.551	5.2	20.9
5 31	15 14.10	− 8 16.3	1.574	2.538	9.1	21.1
6 10	15 6.41	− 8 1.0	1.617	2.524	13.0	21.3
6 20	15 0.99	− 8 1.5	1.681	2.510	16.5	21.5

248339 2005 QA_{83} 5 15.3 314°.86 5°.5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.43	−35 11.4	2.152	2.951	13.8	20.2
4 21	15 49.35	−35 39.5	2.065	2.945	11.3	20.0
5 1	15 41.98	−35 52.2	2.000	2.940	8.6	19.8
5 11	15 33.06	−35 47.4	1.959	2.934	6.3	19.7
5 21	15 23.58	−35 24.8	1.944	2.929	5.6	19.6
5 31	15 14.66	−34 46.9	1.956	2.924	7.2	19.7
6 10	15 7.30	−33 58.9	1.993	2.919	9.9	19.9
6 20	15 2.17	−33 6.6	2.053	2.914	12.7	20.0

308422 2005 SU_{127} 5 15.3 128°.10 0°.2/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.81	−20 34.7	2.602	3.440	10.5	21.8
4 21	15 46.67	−20 20.9	2.528	3.448	7.8	21.7
5 1	15 40.00	−20 1.4	2.478	3.456	4.8	21.5
5 11	15 32.40	−19 37.4	2.457	3.464	1.5	21.2
5 21	15 24.55	−19 10.8	2.464	3.471	1.9	21.3
5 31	15 17.19	−18 44.2	2.500	3.479	5.1	21.5
6 10	15 10.94	−18 20.5	2.563	3.486	8.1	21.7
6 20	15 6.25	−18 1.9	2.650	3.492	10.7	21.9

36460 2000 QA_9 5 15.3 190°.38 7°.1/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 53.17	+ 0 58.6	2.273	3.111	11.8	19.3
4 21	15 47.78	+ 2 9.9	2.206	3.110	9.6	19.1
5 1	15 40.72	+ 3 13.9	2.164	3.108	7.8	19.0
5 11	15 32.63	+ 4 5.5	2.149	3.106	7.2	18.9
5 21	15 24.25	+ 4 40.2	2.160	3.103	8.1	19.0
5 31	15 16.38	+ 4 55.5	2.197	3.100	10.2	19.1
6 10	15 9.70	+ 4 51.0	2.258	3.095	12.5	19.3
6 20	15 4.71	+ 4 28.1	2.338	3.091	14.6	19.4

179574 2002 FA_{25} 5 15.3 148°.11 6°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.14	+ 0 45.9	2.469	3.306	11.1	20.0
4 21	15 46.88	+ 1 17.3	2.403	3.308	8.9	19.9
5 1	15 40.12	+ 1 40.9	2.362	3.310	7.0	19.8
5 11	15 32.44	+ 1 52.9	2.347	3.313	6.1	19.7
5 21	15 24.51	+ 1 51.1	2.360	3.315	6.9	19.8
5 31	15 17.06	+ 1 34.1	2.399	3.317	8.7	19.9
6 10	15 10.70	+ 1 2.3	2.462	3.319	10.9	20.0
6 20	15 5.88	+ 0 17.1	2.547	3.321	13.0	20.2

269713 1998 HU_{42} 5 15.3 70°.53 4°.2/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.60	−10 50.1	1.652	2.516	14.3	20.6
4 21	15 48.48	− 9 52.7	1.600	2.533	10.6	20.4
5 1	15 41.25	− 8 55.1	1.570	2.549	6.9	20.2
5 11	15 32.79	− 8 2.6	1.567	2.565	4.3	20.1
5 21	15 24.11	− 7 20.0	1.589	2.582	5.6	20.2
5 31	15 16.26	− 6 51.4	1.638	2.598	9.0	20.5
6 10	15 10.08	− 6 38.9	1.710	2.615	12.5	20.7
6 20	15 6.09	− 6 42.5	1.802	2.631	15.5	20.9

59509 1999 JR_{13} 5 15.3 342°.15 1°.2/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.99	−19 5.7	1.485	2.343	16.0	18.9
4 21	15 52.60	−19 56.7	1.407	2.337	12.1	18.6
5 1	15 44.27	−20 44.9	1.351	2.331	7.6	18.3
5 11	15 33.84	−21 28.7	1.320	2.326	2.7	18.0
5 21	15 22.56	−22 6.7	1.314	2.322	3.1	18.0
5 31	15 11.90	−22 39.4	1.335	2.318	8.0	18.3
6 10	15 3.19	−23 9.1	1.379	2.315	12.6	18.6
6 20	14 57.32	−23 38.6	1.444	2.312	16.6	18.8

349012 2006 UG_{282} 5 15.3 39°.66 0°.3/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.33	−17 35.2	2.176	3.022	12.0	20.9
4 21	15 48.87	−17 47.9	2.099	3.023	9.0	20.7
5 1	15 41.50	−17 57.2	2.045	3.025	5.4	20.5
5 11	15 32.90	−18 4.0	2.019	3.027	1.6	20.2
5 21	15 23.89	−18 9.2	2.021	3.028	2.3	20.3
5 31	15 15.38	−18 14.5	2.051	3.030	6.1	20.5
6 10	15 8.19	−18 22.1	2.107	3.032	9.5	20.8
6 20	15 2.88	−18 33.8	2.187	3.034	12.5	21.0

308599 2005 VD_{80} 5 15.3 323°.85 0°.7/15.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.97	−22 31.6	2.109	2.954	12.4	20.9
4 21	15 46.51	−22 15.1	2.025	2.948	9.3	20.7
5 1	15 40.12	−21 49.8	1.964	2.942	5.8	20.5
5 11	15 32.49	−21 17.0	1.929	2.936	2.0	20.2
5 21	15 24.45	−20 39.3	1.922	2.930	2.2	20.2
5 31	15 16.91	−20 0.2	1.942	2.925	6.0	20.4
6 10	15 10.70	−19 23.9	1.988	2.919	9.6	20.7
6 20	15 6.39	−18 53.8	2.057	2.914	12.8	20.8

165277 2000 ST_{298} 5 15.3 192°.38 1°.2/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.77	−24 16.2	1.650	2.495	15.3	20.3
4 21	15 51.27	−23 50.7	1.572	2.494	11.6	20.1
5 1	15 43.19	−23 11.9	1.516	2.493	7.3	19.8
5 11	15 33.45	−22 21.1	1.486	2.491	2.7	19.5
5 21	15 23.20	−21 22.0	1.482	2.490	2.8	19.5
5 31	15 13.72	−20 20.3	1.504	2.487	7.4	19.8
6 10	15 6.12	−19 22.7	1.552	2.485	11.7	20.0
6 20	15 1.05	−18 34.5	1.621	2.481	15.5	20.3

334868 2003 UJ_{151} 5 15.3 247°.09 0°.3/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.92	−19 1.9	2.247	3.084	12.0	20.6
4 21	15 50.93	−19 18.6	2.150	3.070	9.0	20.4
5 1	15 42.87	−19 31.2	2.078	3.055	5.6	20.2
5 11	15 33.36	−19 40.0	2.033	3.040	1.8	19.9
5 21	15 23.26	−19 45.7	2.017	3.024	2.2	19.9
5 31	15 13.51	−19 49.7	2.030	3.008	6.1	20.1
6 10	15 5.03	−19 54.4	2.069	2.992	9.8	20.3
6 20	14 58.48	−20 2.2	2.133	2.975	12.9	20.5

246891 1997 JY_{10} 5 15.3 290°.21 4°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 44.66	+ 2 17.3	4.270	5.098	6.9	20.0
4 21	15 40.90	+ 2 46.9	4.200	5.096	5.6	19.9
5 1	15 36.33	+ 3 11.3	4.157	5.094	4.6	19.8
5 11	15 31.29	+ 3 28.5	4.140	5.091	4.2	19.8
5 21	15 26.10	+ 3 37.1	4.152	5.089	4.8	19.8
5 31	15 21.14	+ 3 35.9	4.190	5.087	5.9	19.9
6 10	15 16.74	+ 3 24.8	4.254	5.085	7.2	20.0
6 20	15 13.17	+ 3 4.3	4.341	5.083	8.5	20.1

300123 2006 VE_{12} 5 15.3 74°.92 0°.7/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 50.83	−19 27.3	2.241	3.089	11.6	20.4
4 21	15 46.18	−18 46.6	2.164	3.091	8.6	20.2
5 1	15 39.80	−17 58.8	2.111	3.092	5.2	20.0
5 11	15 32.38	−17 6.6	2.085	3.093	1.6	19.8
5 21	15 24.66	−16 13.3	2.088	3.094	2.5	19.8
5 31	15 17.48	−15 23.1	2.118	3.095	6.1	20.1
6 10	15 11.54	−14 39.7	2.175	3.096	9.4	20.3
6 20	15 7.34	−14 6.0	2.255	3.097	12.3	20.5

162256 1999 TR_{314} 5 15.3 199°.38 2°.2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 49.06	−30 55.4	4.240	5.033	7.6	21.2
4 21	15 44.26	−30 56.7	4.144	5.028	6.0	21.1
5 1	15 38.42	−30 50.5	4.074	5.024	4.2	20.9
5 11	15 31.94	−30 36.9	4.031	5.019	2.7	20.8
5 21	15 25.24	−30 16.4	4.019	5.014	2.4	20.8
5 31	15 18.80	−29 50.5	4.036	5.009	3.6	20.9
6 10	15 13.06	−29 21.3	4.081	5.003	5.4	21.0
6 20	15 8.36	−28 50.9	4.153	4.997	7.1	21.1

279465 2010 TU_{165} 5 15.3 198°.74 3°.3/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.96	−11 21.7	1.806	2.660	13.7	21.4
4 21	15 51.10	−10 57.8	1.730	2.658	10.3	21.2
5 1	15 42.98	−10 33.6	1.677	2.655	6.6	20.9
5 11	15 33.39	−10 12.3	1.650	2.652	3.5	20.7
5 21	15 23.32	− 9 57.2	1.651	2.648	4.7	20.8
5 31	15 13.86	− 9 51.2	1.678	2.644	8.4	21.0
6 10	15 5.98	− 9 56.4	1.730	2.640	12.1	21.2
6 20	15 0.33	−10 13.6	1.804	2.634	15.4	21.4

266355 2007 DK_{116} 5 15.3 42°.85 1°.8/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.67	−16 2.8	1.520	2.386	15.2	20.3
4 21	15 48.88	−15 37.3	1.460	2.395	11.2	20.1
5 1	15 41.68	−15 7.1	1.422	2.405	6.8	19.9
5 11	15 32.99	−14 35.4	1.408	2.415	2.5	19.6
5 21	15 23.93	−14 6.2	1.421	2.425	3.7	19.7
5 31	15 15.71	−13 43.7	1.458	2.436	8.2	20.0
6 10	15 9.31	−13 31.1	1.520	2.447	12.3	20.3
6 20	15 5.34	−13 30.5	1.602	2.459	15.8	20.5

10891 Fink 5 15.3 151°.52 2°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.77	−15 48.4	1.674	2.531	14.5	19.2
4 21	15 51.01	−15 2.4	1.607	2.538	10.8	18.9
5 1	15 42.91	−14 10.7	1.562	2.544	6.6	18.7
5 11	15 33.36	−13 17.4	1.544	2.550	2.7	18.5
5 21	15 23.45	−12 27.1	1.553	2.555	4.1	18.6
5 31	15 14.33	−11 44.9	1.588	2.560	8.2	18.8
6 10	15 6.96	−11 14.8	1.648	2.564	12.2	19.1
6 20	15 1.96	−10 59.0	1.729	2.567	15.7	19.3

87547 2000 QZ_{219} 5 15.3 313°.75 3°.0/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.17	−14 0.6	1.540	2.409	14.8	20.0
4 21	15 47.96	−13 20.5	1.460	2.398	11.1	19.7
5 1	15 41.28	−12 36.1	1.403	2.386	6.9	19.4
5 11	15 32.92	−11 51.5	1.371	2.375	3.3	19.2
5 21	15 23.96	−11 11.7	1.364	2.365	4.8	19.3
5 31	15 15.61	−10 41.7	1.382	2.354	9.1	19.5
6 10	15 8.96	−10 25.3	1.422	2.344	13.4	19.7
6 20	15 4.72	−10 24.3	1.483	2.335	17.1	19.9

149374 2002 XB_{81} 5 15.3 204°.88 5°.9/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.42	−37 4.3	2.149	2.932	14.3	20.6
4 21	15 53.12	−37 22.8	2.058	2.927	11.8	20.4
5 1	15 44.31	−37 23.7	1.990	2.922	9.1	20.2
5 11	15 33.83	−37 4.3	1.945	2.916	6.7	20.1
5 21	15 22.78	−36 24.4	1.928	2.909	6.0	20.0
5 31	15 12.39	−35 27.1	1.938	2.902	7.5	20.1
6 10	15 3.73	−34 18.9	1.973	2.895	10.2	20.2
6 20	14 57.52	−33 6.8	2.032	2.886	13.1	20.4

343967 2011 LK_{1} 5 15.3 257°.80 2°.4/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.33	−14 42.7	1.912	2.771	12.9	21.4
4 21	15 47.57	−13 58.5	1.835	2.767	9.6	21.2
5 1	15 40.79	−13 10.0	1.782	2.763	5.9	20.9
5 11	15 32.73	−12 20.8	1.755	2.759	2.7	20.7
5 21	15 24.27	−11 35.0	1.755	2.755	4.0	20.8
5 31	15 16.39	−10 57.1	1.782	2.751	7.7	21.0
6 10	15 9.92	−10 30.4	1.833	2.748	11.3	21.2
6 20	15 5.45	−10 16.9	1.907	2.744	14.5	21.4

107477 2001 DW_{33} 5 15.3 4°.80 1°.2/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.96	−20 31.3	1.059	1.943	18.9	18.4
4 21	15 48.73	−20 56.4	0.999	1.942	14.3	18.1
5 1	15 42.14	−21 12.9	0.957	1.942	8.9	17.9
5 11	15 33.24	−21 20.9	0.937	1.944	3.1	17.5
5 21	15 23.58	−21 21.6	0.939	1.948	3.5	17.5
5 31	15 14.91	−21 18.8	0.963	1.953	9.2	17.9
6 10	15 8.70	−21 17.6	1.008	1.959	14.5	18.2
6 20	15 5.80	−21 22.1	1.071	1.967	19.0	18.5

258972 2002 SS_{38} 5 15.3 253°.10 0°.1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 56.85	−19 45.4	1.845	2.692	13.8	21.2
4 21	15 51.29	−19 38.0	1.750	2.675	10.4	20.9
5 1	15 43.28	−19 23.4	1.678	2.657	6.4	20.6
5 11	15 33.56	−19 2.6	1.632	2.639	2.0	20.3
5 21	15 23.12	−18 37.8	1.613	2.621	2.7	20.3
5 31	15 13.14	−18 12.4	1.622	2.602	7.3	20.6
6 10	15 4.70	−17 50.6	1.656	2.582	11.5	20.8
6 20	14 58.57	−17 36.2	1.712	2.562	15.3	21.0

374415 2005 WJ_{53} 5 15.3 151°.13 0°.7/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.74	−18 7.4	2.075	2.919	12.6	21.9
4 21	15 49.92	−17 52.0	2.002	2.926	9.3	21.7
5 1	15 42.14	−17 31.2	1.953	2.933	5.6	21.4
5 11	15 33.13	−17 6.8	1.931	2.939	1.7	21.2
5 21	15 23.78	−16 41.4	1.938	2.944	2.6	21.3
5 31	15 15.06	−16 18.1	1.973	2.949	6.5	21.5
6 10	15 7.77	−16 0.0	2.033	2.954	10.0	21.7
6 20	15 2.47	−15 49.6	2.117	2.958	13.1	21.9

105665 2000 SQ_{37} 5 15.3 217°.73 1°.8/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.04	−25 36.4	2.855	3.673	10.3	20.7
4 21	15 48.41	−25 46.4	2.759	3.664	7.9	20.5
5 1	15 41.16	−25 48.9	2.689	3.656	5.2	20.3
5 11	15 32.85	−25 43.7	2.646	3.646	2.5	20.1
5 21	15 24.13	−25 31.6	2.632	3.637	2.3	20.1
5 31	15 15.76	−25 14.2	2.648	3.627	4.9	20.2
6 10	15 8.43	−24 54.5	2.692	3.616	7.7	20.4
6 20	15 2.65	−24 35.2	2.760	3.605	10.3	20.5

508550 2016 UZ_{30} 5 15.3 295°.03 7°.0/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.72	−41 26.5	2.343	3.106	13.8	21.2
4 21	15 49.60	−41 46.6	2.247	3.094	11.8	21.0
5 1	15 42.17	−41 48.1	2.172	3.082	9.6	20.9
5 11	15 33.19	−41 28.3	2.120	3.071	7.7	20.7
5 21	15 23.67	−40 46.8	2.094	3.059	7.0	20.6
5 31	15 14.72	−39 46.0	2.095	3.047	7.9	20.7
6 10	15 7.35	−38 31.7	2.120	3.036	9.9	20.8
6 20	15 2.24	−37 10.6	2.169	3.025	12.3	20.9

43664 2002 FR_{13} 5 15.3 309°.31 3°.1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.15	−25 2.9	2.152	2.978	12.9	18.6
4 21	15 52.16	−26 2.9	2.056	2.964	10.0	18.4
5 1	15 43.81	−26 57.2	1.984	2.950	6.8	18.1
5 11	15 33.74	−27 43.3	1.938	2.936	3.8	17.9
5 21	15 22.88	−28 19.5	1.921	2.923	3.6	17.9
5 31	15 12.31	−28 45.9	1.933	2.909	6.6	18.1
6 10	15 3.11	−29 4.5	1.971	2.896	10.0	18.2
6 20	14 56.05	−29 18.7	2.032	2.883	13.2	18.4

407673 2011 SL_{274} 5 15.3 195°.00 4°.6/12.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.61	−10 27.2	1.497	2.362	15.5	21.2
4 21	15 51.18	− 9 36.6	1.428	2.361	11.7	21.0
5 1	15 43.18	− 8 45.2	1.381	2.360	7.6	20.7
5 11	15 33.51	− 7 58.5	1.359	2.358	4.8	20.5
5 21	15 23.32	− 7 21.7	1.363	2.356	6.2	20.6
5 31	15 13.90	− 6 59.5	1.391	2.354	10.1	20.8
6 10	15 6.35	− 6 54.7	1.443	2.351	14.2	21.1
6 20	15 1.34	− 7 7.5	1.514	2.348	17.7	21.3

363452 2003 SS_{174} 5 15.3 323°.04 4°.6/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.76	−26 26.4	1.137	2.006	19.0	21.0
4 21	15 49.81	−27 10.0	1.050	1.981	15.1	20.6
5 1	15 43.21	−27 41.1	0.982	1.957	10.4	20.3
5 11	15 33.73	−27 56.0	0.934	1.934	5.8	19.9
5 21	15 22.82	−27 52.9	0.908	1.912	5.4	19.8
5 31	15 12.40	−27 34.3	0.903	1.891	10.0	20.0
6 10	15 4.36	−27 7.1	0.920	1.871	15.5	20.2
6 20	14 59.97	−26 39.6	0.953	1.853	20.5	20.4

214853 2006 WL_{106} 5 15.3 259°.72 0°.9/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.73	−17 27.5	2.274	3.123	11.5	20.9
4 21	15 46.89	−17 9.0	2.192	3.119	8.5	20.7
5 1	15 40.31	−16 45.8	2.135	3.115	5.2	20.4
5 11	15 32.60	−16 20.0	2.104	3.112	1.7	20.2
5 21	15 24.53	−15 53.9	2.102	3.108	2.5	20.3
5 31	15 16.93	−15 30.5	2.128	3.104	6.1	20.5
6 10	15 10.54	−15 12.6	2.180	3.101	9.4	20.7
6 20	15 5.87	−15 2.3	2.254	3.097	12.3	20.9

62626 2000 SK_{351} 5 15.3 233°.60 5°.7/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.42	− 3 37.5	2.180	3.026	12.0	19.7
4 21	15 48.93	− 2 52.5	2.097	3.013	9.4	19.5
5 1	15 41.58	− 2 11.9	2.039	3.001	7.0	19.3
5 11	15 33.01	− 1 40.1	2.007	2.987	5.7	19.2
5 21	15 24.00	− 1 20.8	2.002	2.973	6.7	19.3
5 31	15 15.43	− 1 16.8	2.024	2.959	9.2	19.4
6 10	15 8.09	− 1 29.0	2.071	2.944	12.0	19.6
6 20	15 2.53	− 1 56.8	2.139	2.928	14.7	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
211209 2002 OM_{31}			5 15.3 223°.63		0°.4/15.1 18	
	h m	° ′			°	m
4 11	15 53.62	−18 56.1	2.164	3.009	12.1	21.2
4 21	15 48.42	−18 41.1	2.080	3.004	9.0	21.0
5 1	15 41.29	−18 20.2	2.020	2.999	5.5	20.8
5 11	15 32.92	−17 55.1	1.986	2.994	1.7	20.5
5 21	15 24.13	−17 28.0	1.981	2.988	2.4	20.5
5 31	15 15.83	−17 2.2	2.004	2.982	6.2	20.8
6 10	15 8.85	−16 40.9	2.053	2.976	9.8	21.0
6 20	15 3.74	−16 26.6	2.125	2.970	12.9	21.2
66678 1999 TR_{28}			5 15.3 283°.45		1°.1/14.7 18	R
4 11	15 52.71	−18 25.1	1.824	2.681	13.5	19.4
4 21	15 48.08	−17 51.6	1.739	2.670	10.1	19.2
5 1	15 41.24	−17 10.5	1.677	2.659	6.1	18.9
5 11	15 32.94	−16 24.5	1.640	2.648	2.0	18.6
5 21	15 24.11	−15 37.3	1.631	2.637	3.1	18.7
5 31	15 15.83	−14 53.7	1.648	2.626	7.4	18.9
6 10	15 9.05	−14 18.3	1.690	2.615	11.4	19.1
6 20	15 4.42	−13 54.1	1.753	2.604	14.9	19.3
335538 2006 BK_{2}			5 15.3 161°.50		4°.3/17.9 17	
4 11	15 56.17	−31 48.8	1.936	2.751	14.5	20.8
4 21	15 50.70	−31 57.2	1.856	2.753	11.5	20.6
5 1	15 42.83	−31 50.0	1.799	2.754	8.2	20.4
5 11	15 33.42	−31 25.9	1.766	2.756	5.2	20.3
5 21	15 23.52	−30 46.0	1.760	2.757	4.5	20.2
5 31	15 14.33	−29 54.2	1.780	2.758	7.0	20.4
6 10	15 6.85	−28 56.7	1.826	2.759	10.3	20.6
6 20	15 1.75	−27 59.6	1.895	2.759	13.4	20.8
232758 2004 OS_{11}			5 15.3 299°.37		6°.2/19.2 18	
4 11	15 54.85	−36 17.1	1.660	2.471	16.7	20.2
4 21	15 50.40	−36 16.4	1.563	2.452	13.8	19.9
5 1	15 43.00	−35 52.8	1.486	2.433	10.4	19.7
5 11	15 33.54	−35 3.3	1.433	2.414	7.4	19.4
5 21	15 23.30	−33 48.6	1.403	2.395	6.3	19.3
5 31	15 13.75	−32 13.9	1.400	2.377	8.5	19.4
6 10	15 6.21	−30 28.6	1.420	2.359	12.1	19.6
6 20	15 1.53	−28 43.1	1.463	2.341	15.9	19.7
332147 2005 XU_{70}			5 15.3 270°.86		0°.4/15.5 18	
4 11	15 56.25	−20 40.0	1.915	2.760	13.5	20.8
4 21	15 50.87	−20 35.3	1.812	2.735	10.2	20.5
5 1	15 43.08	−20 23.0	1.732	2.711	6.4	20.2
5 11	15 33.56	−20 3.8	1.678	2.685	2.1	19.9
5 21	15 23.24	−19 39.3	1.652	2.659	2.6	19.9
5 31	15 13.29	−19 12.9	1.653	2.633	7.1	20.1
6 10	15 4.78	−18 48.9	1.679	2.606	11.3	20.3
6 20	14 58.51	−18 31.2	1.727	2.579	15.1	20.5
475141 2005 UQ_{348}			5 15.3 224°.65		0°.8/15.9 18	
4 11	15 51.59	−23 41.0	2.954	3.780	9.7	22.7
4 21	15 46.49	−23 17.4	2.857	3.769	7.4	22.5
5 1	15 39.95	−22 45.9	2.785	3.758	4.6	22.3
5 11	15 32.50	−22 7.8	2.742	3.747	1.7	22.1
5 21	15 24.73	−21 24.9	2.728	3.735	1.7	22.1
5 31	15 17.33	−20 40.0	2.743	3.723	4.7	22.3
6 10	15 10.89	−19 56.5	2.787	3.710	7.5	22.4
6 20	15 5.88	−19 17.3	2.856	3.697	10.1	22.6
37684 1995 NE			5 15.3 354°.52		5°.5/12.6 17	
4 11	15 43.64	−13 10.3	0.888	1.799	19.1	17.9
4 21	15 42.72	−11 57.1	0.831	1.789	14.3	17.6
5 1	15 38.55	−10 36.9	0.792	1.781	9.2	17.3
5 11	15 32.20	− 9 19.3	0.772	1.776	5.6	17.0
5 21	15 25.12	− 8 14.8	0.772	1.772	7.7	17.1
5 31	15 19.00	− 7 32.7	0.792	1.771	12.8	17.4
6 10	15 15.23	− 7 18.0	0.830	1.772	17.9	17.7
6 20	15 14.59	− 7 30.5	0.883	1.776	22.3	17.9
107833 2001 FN_{70}			5 15.3 5°.33		1°.3/14.8 18	
4 11	15 52.75	−17 0.0	1.194	2.074	17.5	19.1
4 21	15 48.93	−16 50.5	1.131	2.074	13.1	18.8
5 1	15 42.09	−16 35.1	1.089	2.074	8.0	18.5
5 11	15 33.24	−16 16.6	1.068	2.076	2.6	18.2
5 21	15 23.77	−15 58.6	1.071	2.078	3.8	18.3
5 31	15 15.21	−15 45.6	1.097	2.082	9.2	18.6
6 10	15 8.84	−15 41.9	1.145	2.086	14.2	18.9
6 20	15 5.43	−15 49.7	1.212	2.091	18.4	19.2
339471 2005 EU_{252}			5 15.3 342°.28		3°.8/17.2 17	
4 11	15 55.50	−28 23.5	1.905	2.733	14.2	20.6
4 21	15 50.29	−28 55.4	1.824	2.731	11.1	20.4
5 1	15 42.66	−29 15.7	1.765	2.728	7.7	20.2
5 11	15 33.40	−29 22.9	1.732	2.726	4.6	20.0
5 21	15 23.54	−29 16.9	1.724	2.725	4.1	19.9
5 31	15 14.26	−28 59.9	1.744	2.723	6.9	20.1
6 10	15 6.62	−28 36.6	1.789	2.722	10.4	20.3
6 20	15 1.32	−28 11.8	1.856	2.720	13.6	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
375214 2008 FQ_{12}			5 15.3 343°.75		5°.9/17.8 17	
	h m	° ′			°	m
4 11	15 55.63	−31 1.0	1.369	2.211	18.0	20.7
4 21	15 51.30	−31 44.4	1.294	2.205	14.5	20.5
5 1	15 43.71	−32 11.0	1.238	2.200	10.5	20.2
5 11	15 33.79	−32 16.9	1.205	2.195	6.9	20.0
5 21	15 22.99	−32 1.3	1.194	2.191	6.2	20.0
5 31	15 12.99	−31 27.5	1.208	2.188	9.2	20.1
6 10	15 5.28	−30 43.2	1.244	2.186	13.2	20.3
6 20	15 0.77	−29 56.5	1.300	2.184	17.1	20.6
122462 2000 QB_{147}			5 15.3 4°.95		5°.2/16.8 18	
4 11	15 57.26	−26 25.4	1.125	1.989	19.6	18.2
4 21	15 52.93	−27 34.7	1.061	1.988	15.4	18.0
5 1	15 44.89	−28 31.8	1.015	1.988	10.6	17.7
5 11	15 34.19	−29 12.0	0.991	1.989	6.3	17.5
5 21	15 22.47	−29 32.7	0.989	1.991	5.8	17.4
5 31	15 11.72	−29 35.9	1.010	1.995	9.9	17.7
6 10	15 3.63	−29 27.9	1.053	1.999	14.6	17.9
6 20	14 59.19	−29 16.3	1.113	2.004	18.9	18.2
180115 2003 FC_{40}			5 15.3 275°.84		2°.5/13.4 17	
4 11	15 50.36	−13 50.9	2.273	3.127	11.3	20.4
4 21	15 45.88	−13 3.7	2.188	3.118	8.4	20.1
5 1	15 39.70	−12 13.0	2.128	3.108	5.2	19.9
5 11	15 32.45	−11 22.2	2.095	3.099	2.6	19.7
5 21	15 24.83	−10 35.0	2.091	3.089	3.8	19.8
5 31	15 17.66	− 9 55.1	2.114	3.079	6.9	20.0
6 10	15 11.63	− 9 25.6	2.162	3.070	10.1	20.2
6 20	15 7.27	− 9 8.2	2.233	3.060	13.0	20.3
308444 2005 SF_{198}			5 15.3 303°.37		2°.5/16.8 16	
4 11	15 52.84	−26 28.5	2.080	2.913	13.0	21.0
4 21	15 48.12	−26 36.1	1.988	2.901	10.0	20.8
5 1	15 41.27	−26 33.0	1.919	2.888	6.7	20.5
5 11	15 32.97	−26 19.1	1.876	2.876	3.4	20.3
5 21	15 24.11	−25 55.4	1.860	2.864	3.0	20.2
5 31	15 15.72	−25 24.7	1.871	2.853	6.3	20.4
6 10	15 8.73	−24 51.5	1.907	2.841	9.8	20.6
6 20	15 3.79	−24 20.0	1.967	2.830	13.1	20.8
212554 2006 SG_{43}			5 15.3 197°.47		2°.8/13.2 17	
4 11	15 50.73	−13 3.2	2.202	3.058	11.5	20.9
4 21	15 46.12	−12 11.4	2.128	3.058	8.6	20.8
5 1	15 39.82	−11 16.9	2.078	3.058	5.4	20.6
5 11	15 32.47	−10 23.4	2.056	3.057	2.9	20.4
5 21	15 24.83	− 9 34.8	2.061	3.057	4.1	20.5
5 31	15 17.70	− 8 55.0	2.094	3.057	7.2	20.7
6 10	15 11.79	− 8 26.7	2.152	3.056	10.3	20.8
6 20	15 7.57	− 8 11.4	2.232	3.056	13.1	21.0
18264 5184 T_{-2}			5 15.3 186°.51		0°.5/14.9 18	
4 11	15 51.40	−19 46.2	2.578	3.419	10.6	19.8
4 21	15 46.44	−19 10.2	2.496	3.418	7.8	19.6
5 1	15 39.96	−18 27.8	2.439	3.418	4.7	19.4
5 11	15 32.52	−17 41.0	2.409	3.417	1.4	19.2
5 21	15 24.82	−16 52.8	2.409	3.416	2.1	19.2
5 31	15 17.57	−16 6.4	2.438	3.414	5.4	19.4
6 10	15 11.42	−15 25.3	2.494	3.413	8.5	19.6
6 20	15 6.83	−14 52.0	2.573	3.411	11.2	19.8
201148 2002 JK_{130}			5 15.3 287°.34		3°.0/13.5 18	
4 11	15 52.47	−13 16.6	1.847	2.708	13.2	19.9
4 21	15 47.91	−12 36.6	1.758	2.690	9.9	19.6
5 1	15 41.18	−11 53.0	1.691	2.672	6.2	19.4
5 11	15 32.97	−11 9.7	1.651	2.654	3.2	19.1
5 21	15 24.18	−10 30.6	1.637	2.636	4.5	19.2
5 31	15 15.86	−10 0.3	1.650	2.618	8.3	19.4
6 10	15 8.94	− 9 42.1	1.687	2.600	12.1	19.5
6 20	15 4.10	− 9 37.9	1.745	2.582	15.6	19.7
203561 2002 CC_{119}			5 15.3 18°.66		1°.4/15.9 17	
4 11	15 52.45	−23 5.2	1.052	1.933	19.3	19.7
4 21	15 49.03	−22 59.4	0.997	1.938	14.6	19.5
5 1	15 42.27	−22 39.1	0.961	1.945	9.2	19.2
5 11	15 33.33	−22 5.7	0.945	1.952	3.4	18.9
5 21	15 23.82	−21 23.5	0.952	1.961	3.4	18.9
5 31	15 15.45	−20 39.4	0.982	1.971	9.1	19.2
6 10	15 9.60	−20 1.1	1.032	1.982	14.3	19.6
6 20	15 7.00	−19 34.0	1.100	1.994	18.8	19.9
258969 2002 SF_{33}			5 15.3 201°.06		1°.9/16.5 17	
4 11	15 57.79	−25 44.6	2.220	3.043	12.6	22.0
4 21	15 51.59	−25 41.0	2.130	3.038	9.7	21.8
5 1	15 43.29	−25 27.0	2.064	3.033	6.3	21.6
5 11	15 33.60	−25 2.5	2.025	3.027	2.9	21.3
5 21	15 23.43	−24 29.0	2.014	3.020	2.6	21.3
5 31	15 13.79	−23 49.8	2.033	3.012	6.0	21.5
6 10	15 5.58	−23 9.5	2.078	3.004	9.5	21.7
6 20	14 59.43	−22 32.3	2.147	2.995	12.7	21.9

394736 2008 EV_{166} 5 15.3 81°.72 1°.6/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 54.57	−23 33.5	2.325	3.157	11.8	21.0
4 21	15 49.04	−23 53.9	2.249	3.163	9.0	20.9
5 1	15 41.66	−24 7.2	2.197	3.169	5.8	20.7
5 11	15 33.08	−24 13.3	2.172	3.175	2.5	20.5
5 21	15 24.12	−24 12.6	2.176	3.182	2.4	20.5
5 31	15 15.67	−24 7.2	2.207	3.188	5.6	20.7
6 10	15 8.52	−23 59.9	2.266	3.194	8.8	20.9
6 20	15 3.21	−23 53.5	2.348	3.200	11.6	21.1

96723 1999 LB_{16} 5 15.3 307°.47 8°.6/ 9.3 18

4 11	15 50.36	− 2 13.8	1.587	2.454	14.6	19.3
4 21	15 46.55	− 0 34.2	1.511	2.435	11.8	19.0
5 1	15 40.44	+ 1 1.8	1.456	2.416	9.4	18.9
5 11	15 32.76	+ 2 25.4	1.426	2.397	8.7	18.8
5 21	15 24.50	+ 3 28.6	1.420	2.378	10.2	18.8
5 31	15 16.76	+ 4 5.5	1.437	2.360	13.1	18.9
6 10	15 10.56	+ 4 14.0	1.475	2.342	16.4	19.1
6 20	15 6.57	+ 3 55.4	1.530	2.324	19.4	19.2

156309 2001 XZ_{44} 5 15.3 252°.23 1°.7/16.1 18

4 11	15 57.85	−22 48.2	1.930	2.767	13.7	19.9
4 21	15 52.04	−23 10.8	1.837	2.755	10.5	19.7
5 1	15 43.79	−23 26.3	1.767	2.742	6.7	19.4
5 11	15 33.81	−23 33.7	1.724	2.728	2.8	19.2
5 21	15 23.10	−23 33.3	1.708	2.714	2.8	19.1
5 31	15 12.84	−23 27.2	1.719	2.700	6.8	19.3
6 10	15 4.11	−23 19.0	1.757	2.686	10.8	19.5
6 20	14 57.68	−23 12.4	1.816	2.671	14.3	19.7

397078 2005 UG_{249} 5 15.3 269°.28 0°.2/15.2 18

4 11	15 53.39	−18 31.9	2.500	3.340	10.9	21.3
4 21	15 48.16	−18 32.0	2.399	3.320	8.1	21.1
5 1	15 41.17	−18 27.9	2.322	3.300	5.0	20.8
5 11	15 32.97	−18 20.5	2.273	3.280	1.5	20.6
5 21	15 24.25	−18 11.2	2.252	3.259	2.1	20.6
5 31	15 15.84	−18 1.9	2.260	3.238	5.7	20.8
6 10	15 8.50	−17 55.1	2.296	3.217	9.0	20.9
6 20	15 2.80	−17 53.0	2.355	3.196	11.9	21.1

324943 2007 XM_{56} 5 15.3 111°.63 1°.3/14.7 18

4 11	15 57.85	−16 50.6	1.679	2.532	14.6	21.1
4 21	15 51.81	−16 32.3	1.618	2.547	10.8	20.9
5 1	15 43.43	−16 9.0	1.580	2.561	6.6	20.6
5 11	15 33.63	−15 43.1	1.567	2.574	2.2	20.4
5 21	15 23.51	−15 17.9	1.582	2.588	3.2	20.5
5 31	15 14.23	−14 56.9	1.624	2.601	7.6	20.8
6 10	15 6.76	−14 43.7	1.690	2.613	11.6	21.0
6 20	15 1.67	−14 40.2	1.778	2.625	14.9	21.3

35598 1998 HZ_{118} 5 15.3 297°.43 3°.2/13.8 18

4 11	15 54.15	− 9 18.0	2.137	2.988	12.0	18.5
4 21	15 48.86	− 9 17.1	2.050	2.975	9.1	18.2
5 1	15 41.64	− 9 18.7	1.987	2.963	5.9	18.0
5 11	15 33.11	− 9 25.1	1.951	2.951	3.4	17.8
5 21	15 24.09	− 9 38.0	1.942	2.939	4.3	17.9
5 31	15 15.47	− 9 58.9	1.962	2.927	7.4	18.0
6 10	15 8.10	−10 28.6	2.007	2.915	10.8	18.2
6 20	15 2.56	−11 7.2	2.074	2.903	13.8	18.4

202763 2007 RW_{94} 5 15.3 162°.54 0°.7/14.9 17

4 11	15 53.60	−17 55.9	2.154	3.001	12.1	20.6
4 21	15 48.37	−17 42.4	2.077	3.003	9.0	20.4
5 1	15 41.26	−17 24.1	2.024	3.004	5.4	20.2
5 11	15 32.97	−17 2.6	1.998	3.006	1.7	19.9
5 21	15 24.32	−16 40.2	2.001	3.007	2.5	20.0
5 31	15 16.21	−16 19.9	2.031	3.008	6.2	20.2
6 10	15 9.41	−16 4.6	2.087	3.009	9.7	20.4
6 20	15 4.48	−15 56.4	2.166	3.010	12.7	20.6

205669 2001 XQ_{191} 5 15.3 143°.48 2°.4/16.7 18

4 11	15 57.98	−26 52.0	1.568	2.408	16.2	20.5
4 21	15 52.33	−26 37.3	1.497	2.414	12.4	20.2
5 1	15 43.96	−26 7.1	1.447	2.419	8.1	20.0
5 11	15 33.84	−25 21.8	1.421	2.424	3.7	19.7
5 21	15 23.26	−24 24.6	1.422	2.428	3.3	19.7
5 31	15 13.56	−23 21.5	1.449	2.432	7.5	20.0
6 10	15 5.91	−22 19.7	1.500	2.436	11.8	20.2
6 20	15 0.97	−21 25.6	1.573	2.440	15.6	20.5

293711 2007 QK_{9} 5 15.3 310°.22 5°.1/12.8 17

4 11	15 51.81	−11 59.7	1.207	2.091	17.1	20.6
4 21	15 48.41	−10 55.4	1.126	2.070	13.0	20.3
5 1	15 41.98	− 9 45.3	1.066	2.049	8.5	20.0
5 11	15 33.35	− 8 36.6	1.028	2.029	5.2	19.7
5 21	15 23.80	− 7 37.2	1.013	2.009	7.1	19.8
5 31	15 14.87	− 6 55.2	1.021	1.990	11.9	20.0
6 10	15 7.96	− 6 35.9	1.049	1.972	16.9	20.2
6 20	15 4.00	− 6 40.7	1.094	1.954	21.3	20.4

510613 2012 TT_{96} 5 15.3 220°.25 0°.2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 53.71	−21 3.5	2.450	3.286	11.2	22.6
4 21	15 48.35	−20 44.0	2.359	3.278	8.4	22.4
5 1	15 41.24	−20 17.5	2.292	3.269	5.2	22.2
5 11	15 32.99	−19 45.1	2.252	3.259	1.6	21.9
5 21	15 24.34	−19 9.2	2.242	3.249	2.0	22.0
5 31	15 16.13	−18 32.7	2.260	3.239	5.6	22.2
6 10	15 9.08	−17 59.3	2.306	3.228	8.9	22.4
6 20	15 3.74	−17 31.9	2.375	3.217	11.8	22.5

111159 2001 VA_{108} 5 15.3 289°.85 0°.8/15.8 18

4 11	15 54.80	−22 0.0	1.677	2.529	14.7	19.3
4 21	15 49.91	−21 54.7	1.596	2.522	11.2	19.0
5 1	15 42.51	−21 40.0	1.537	2.516	7.0	18.8
5 11	15 33.43	−21 16.6	1.503	2.509	2.4	18.5
5 21	15 23.75	−20 47.0	1.494	2.503	2.7	18.4
5 31	15 14.69	−20 15.1	1.513	2.496	7.3	18.7
6 10	15 7.35	−19 45.9	1.555	2.490	11.6	18.9
6 20	15 2.44	−19 23.7	1.619	2.484	15.3	19.2

491553 2012 PA_{5} 5 15.3 196°.97 3°.6/17.8 18

4 11	15 55.97	−31 15.7	2.314	3.121	12.7	21.8
4 21	15 50.25	−31 17.5	2.226	3.118	10.0	21.7
5 1	15 42.47	−31 5.9	2.161	3.116	7.1	21.5
5 11	15 33.37	−30 40.1	2.122	3.112	4.4	21.3
5 21	15 23.85	−30 1.1	2.111	3.109	3.8	21.2
5 31	15 14.88	−29 12.3	2.128	3.105	6.1	21.4
6 10	15 7.34	−28 18.5	2.172	3.100	9.1	21.6
6 20	15 1.82	−27 25.1	2.240	3.096	12.0	21.7

24676 1989 TA_{4} 5 15.3 171°.17 0°.1/15.3 18

4 11	15 54.85	−19 26.5	2.193	3.035	12.1	19.5
4 21	15 49.30	−19 21.6	2.115	3.037	9.0	19.3
5 1	15 41.85	−19 11.0	2.060	3.039	5.5	19.1
5 11	15 33.18	−18 55.9	2.033	3.040	1.7	18.9
5 21	15 24.13	−18 38.3	2.034	3.041	2.2	18.9
5 31	15 15.60	−18 20.7	2.063	3.042	6.0	19.2
6 10	15 8.41	−18 6.2	2.118	3.043	9.5	19.4
6 20	15 3.11	−17 57.2	2.197	3.043	12.5	19.6

372492 2009 SM_{241} 5 15.3 191°.57 12°.0/22.0 17

4 11	16 12.68	−53 42.5	2.354	3.017	16.2	21.3
4 21	16 4.36	−55 23.1	2.272	3.015	14.8	21.2
5 1	15 52.01	−56 42.2	2.208	3.013	13.5	21.1
5 11	15 36.53	−57 31.7	2.166	3.011	12.4	21.0
5 21	15 19.55	−57 46.4	2.145	3.008	12.0	21.0
5 31	15 3.19	−57 26.1	2.148	3.004	12.3	21.0
6 10	14 49.42	−56 36.6	2.173	3.000	13.2	21.0
6 20	14 39.47	−55 27.0	2.218	2.995	14.6	21.1

307748 2003 UJ_{280} 5 15.3 192°.90 2°.4/13.7 18

4 11	15 54.00	−11 50.3	2.599	3.441	10.4	21.5
4 21	15 48.35	−11 29.2	2.516	3.439	7.8	21.3
5 1	15 41.15	−11 7.4	2.460	3.436	4.9	21.1
5 11	15 32.95	−10 47.3	2.431	3.433	2.5	21.0
5 21	15 24.44	−10 31.0	2.432	3.429	3.4	21.0
5 31	15 16.34	−10 20.7	2.462	3.425	6.2	21.2
6 10	15 9.31	−10 18.1	2.518	3.420	9.1	21.4
6 20	15 3.83	−10 24.2	2.598	3.415	11.7	21.6

4970 Druyan 5 15.3 170°.55 3°.5/17.5 18

4 11	15 58.49	−29 55.3	1.913	2.731	14.5	17.8
4 21	15 52.41	−29 52.9	1.833	2.735	11.4	17.6
5 1	15 43.90	−29 35.3	1.776	2.738	7.8	17.4
5 11	15 33.83	−29 2.0	1.744	2.740	4.5	17.2
5 21	15 23.31	−28 14.6	1.740	2.742	3.8	17.1
5 31	15 13.53	−27 17.5	1.763	2.743	6.8	17.3
6 10	15 5.52	−26 17.1	1.812	2.743	10.4	17.5
6 20	14 59.92	−25 19.6	1.884	2.744	13.7	17.8

85980 1999 HG_{3} 5 15.3 40°.50 5°.7/12.9 18 R

4 11	15 54.24	− 6 51.5	1.441	2.311	15.7	18.7
4 21	15 49.35	− 6 15.2	1.389	2.322	12.0	18.5
5 1	15 42.04	− 5 43.8	1.358	2.333	8.2	18.3
5 11	15 33.24	− 5 22.6	1.350	2.344	5.8	18.2
5 21	15 24.12	− 5 15.4	1.368	2.356	7.0	18.3
5 31	15 15.87	− 5 24.8	1.410	2.369	10.3	18.5
6 10	15 9.47	− 5 51.0	1.474	2.382	14.0	18.7
6 20	15 5.52	− 6 32.5	1.558	2.395	17.2	19.0

214163 2005 CL_{22} 5 15.3 15°.28 4°.5/14.0 18

4 11	15 55.26	− 9 30.1	1.147	2.028	18.0	19.4
4 21	15 50.79	− 9 25.5	1.090	2.031	13.6	19.1
5 1	15 43.24	− 9 25.3	1.053	2.035	8.8	18.9
5 11	15 33.68	− 9 33.3	1.038	2.040	4.8	18.6
5 21	15 23.53	− 9 52.3	1.046	2.047	6.1	18.7
5 31	15 14.35	−10 24.2	1.078	2.054	10.6	19.0
6 10	15 7.46	−11 9.1	1.130	2.061	15.2	19.3
6 20	15 3.58	−12 5.6	1.201	2.070	19.2	19.6

242324 2003 YY_{12} 5 15.3 155°.60 2°.3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 58.96	−26 27.2	2.036	2.860	13.6	21.5
4 21	15 52.52	−26 27.6	1.960	2.868	10.4	21.3
5 1	15 43.87	−26 16.4	1.908	2.876	6.8	21.1
5 11	15 33.81	−25 53.7	1.882	2.883	3.3	20.9
5 21	15 23.36	−25 20.9	1.884	2.889	2.9	20.9
5 31	15 13.61	−24 41.8	1.915	2.895	6.3	21.1
6 10	15 5.50	−24 1.3	1.972	2.900	9.9	21.3
6 20	14 59.62	−23 24.1	2.052	2.904	13.0	21.5

442843 2013 AF_{113} 5 15.3 265°.89 2°.6/17.1 16

4 11	15 53.00	−28 20.3	2.287	3.110	12.3	21.2
4 21	15 48.07	−28 12.1	2.193	3.099	9.6	21.0
5 1	15 41.18	−27 51.9	2.123	3.088	6.5	20.8
5 11	15 33.01	−27 19.6	2.078	3.077	3.5	20.6
5 21	15 24.37	−26 36.9	2.061	3.065	3.0	20.5
5 31	15 16.21	−25 47.1	2.073	3.054	5.8	20.7
6 10	15 9.37	−24 55.1	2.111	3.042	9.1	20.8
6 20	15 4.43	−24 5.5	2.172	3.031	12.2	21.0

392760 2012 TK_{35} 5 15.3 296°.43 0°.3/15.7 17

4 11	15 45.37	−21 16.2	4.201	5.032	7.0	21.6
4 21	15 41.58	−21 4.8	4.109	5.026	5.2	21.5
5 1	15 36.88	−20 49.6	4.044	5.020	3.2	21.4
5 11	15 31.63	−20 31.2	4.008	5.014	1.1	21.2
5 21	15 26.19	−20 11.0	4.000	5.008	1.2	21.2
5 31	15 20.98	−19 50.2	4.023	5.002	3.4	21.3
6 10	15 16.37	−19 30.6	4.074	4.996	5.4	21.5
6 20	15 12.66	−19 13.5	4.150	4.991	7.2	21.6

353606 2011 US_{9} 5 15.3 211°.77 0°.4/15.1 17

4 11	15 51.51	−19 25.1	2.670	3.509	10.3	21.8
4 21	15 46.55	−19 0.4	2.582	3.504	7.6	21.6
5 1	15 40.07	−18 29.9	2.520	3.499	4.6	21.4
5 11	15 32.63	−17 55.6	2.486	3.494	1.4	21.2
5 21	15 24.89	−17 19.5	2.481	3.488	2.0	21.2
5 31	15 17.54	−16 44.7	2.505	3.482	5.3	21.4
6 10	15 11.24	−16 14.0	2.556	3.476	8.3	21.6
6 20	15 6.44	−15 49.7	2.631	3.469	10.9	21.8

214561 2006 QU_{5} 5 15.3 269°.68 3°.1/13.9 18

4 11	15 56.63	−12 20.3	1.633	2.493	14.7	20.3
4 21	15 51.37	−12 0.6	1.544	2.475	11.1	20.0
5 1	15 43.50	−11 39.7	1.477	2.457	7.0	19.7
5 11	15 33.79	−11 20.6	1.435	2.438	3.5	19.5
5 21	15 23.30	−11 6.8	1.419	2.420	4.7	19.5
5 31	15 13.29	−11 1.9	1.430	2.401	9.0	19.7
6 10	15 4.92	−11 8.6	1.464	2.381	13.4	19.9
6 20	14 59.02	−11 28.1	1.519	2.362	17.2	20.1

392570 2011 SN_{117} 5 15.3 258°.77 4°.5/18.1 17

4 11	15 55.30	−32 34.2	2.306	3.110	12.8	21.1
4 21	15 49.92	−32 58.7	2.214	3.101	10.3	20.9
5 1	15 42.39	−33 10.4	2.143	3.092	7.6	20.8
5 11	15 33.40	−33 7.4	2.099	3.082	5.2	20.6
5 21	15 23.85	−32 49.7	2.081	3.073	4.6	20.5
5 31	15 14.76	−32 19.4	2.091	3.063	6.5	20.6
6 10	15 7.07	−31 41.0	2.127	3.053	9.4	20.8
6 20	15 1.43	−30 59.5	2.186	3.044	12.2	20.9

193487 2000 XL_{53} 5 15.3 198°.89 0°.1/15.3 18

4 11	15 54.60	−20 13.6	2.183	3.024	12.2	21.4
4 21	15 49.15	−19 51.6	2.099	3.021	9.1	21.2
5 1	15 41.78	−19 22.3	2.040	3.018	5.5	21.0
5 11	15 33.18	−18 47.5	2.008	3.015	1.7	20.7
5 21	15 24.18	−18 9.8	2.004	3.011	2.3	20.8
5 31	15 15.72	−17 32.7	2.028	3.007	6.2	21.0
6 10	15 8.58	−17 0.0	2.079	3.002	9.7	21.2
6 20	15 3.35	−16 34.9	2.153	2.997	12.8	21.4

342635 2008 UF_{353} 5 15.3 224°.87 0°.5/15.6 17

4 11	15 54.07	−21 17.3	1.936	2.783	13.3	21.5
4 21	15 48.99	−21 9.2	1.858	2.782	10.0	21.3
5 1	15 41.78	−20 53.2	1.804	2.782	6.2	21.1
5 11	15 33.20	−20 30.5	1.775	2.782	2.0	20.8
5 21	15 24.17	−20 3.3	1.774	2.782	2.4	20.8
5 31	15 15.74	−19 35.1	1.799	2.781	6.5	21.1
6 10	15 8.80	−19 9.9	1.851	2.781	10.3	21.3
6 20	15 3.97	−18 50.9	1.924	2.781	13.6	21.5

423595 2005 WP_{6} 5 15.3 143°.85 0°.2/15.2 17

4 11	15 57.04	−18 56.8	2.227	3.065	12.1	22.3
4 21	15 50.81	−18 51.6	2.155	3.076	9.0	22.1
5 1	15 42.71	−18 41.3	2.108	3.086	5.5	21.9
5 11	15 33.44	−18 26.8	2.089	3.096	1.7	21.7
5 21	15 23.88	−18 10.1	2.098	3.106	2.2	21.7
5 31	15 14.91	−17 53.7	2.137	3.114	6.0	22.0
6 10	15 7.32	−17 40.7	2.202	3.122	9.4	22.2
6 20	15 1.65	−17 33.2	2.290	3.130	12.3	22.4

475522 2006 SE_{391} 5 15.3 279°.40 2°.7/16.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 55.62	−26 5.0	2.152	2.980	12.8	21.9
4 21	15 50.21	−26 33.6	2.059	2.968	9.9	21.7
5 1	15 42.61	−26 53.6	1.990	2.957	6.7	21.5
5 11	15 33.49	−27 3.8	1.947	2.946	3.6	21.2
5 21	15 23.74	−27 4.0	1.931	2.934	3.2	21.2
5 31	15 14.40	−26 56.1	1.943	2.922	6.3	21.4
6 10	15 6.43	−26 43.4	1.981	2.911	9.7	21.5
6 20	15 0.54	−26 30.0	2.042	2.899	12.9	21.7

165154 2000 QE_{40} 5 15.3 271°.47 2°.9/16.6 17

4 11	15 57.85	−26 8.5	1.541	2.384	16.3	20.7
4 21	15 52.74	−26 19.7	1.447	2.365	12.7	20.4
5 1	15 44.58	−26 17.8	1.374	2.346	8.5	20.1
5 11	15 34.18	−26 1.3	1.324	2.326	4.2	19.8
5 21	15 22.79	−25 30.9	1.301	2.307	3.7	19.7
5 31	15 11.93	−24 50.4	1.303	2.286	8.2	19.9
6 10	15 3.00	−24 6.7	1.328	2.266	12.9	20.2
6 20	14 56.97	−23 26.4	1.375	2.246	17.2	20.4

457682 2009 DS_{86} 5 15.3 1°.04 2°.2/16.3 17

4 11	15 52.10	−24 24.8	1.116	1.991	18.9	20.2
4 21	15 48.84	−24 27.0	1.052	1.988	14.4	19.9
5 1	15 42.26	−24 13.8	1.006	1.987	9.3	19.6
5 11	15 33.44	−23 45.8	0.982	1.987	3.9	19.3
5 21	15 23.87	−23 6.0	0.980	1.988	3.6	19.3
5 31	15 15.29	−22 20.8	1.001	1.990	9.0	19.6
6 10	15 9.14	−21 38.2	1.042	1.993	14.2	19.9
6 20	15 6.21	−21 4.6	1.103	1.998	18.7	20.2

153909 2001 XF_{238} 5 15.3 199°.20 1°.3/16.1 18

4 11	15 56.19	−23 54.7	2.154	2.986	12.6	20.3
4 21	15 50.44	−23 47.2	2.068	2.983	9.6	20.1
5 1	15 42.62	−23 30.4	2.006	2.980	6.1	19.9
5 11	15 33.46	−23 4.6	1.971	2.976	2.4	19.6
5 21	15 23.85	−22 31.9	1.964	2.971	2.4	19.6
5 31	15 14.78	−21 55.4	1.985	2.966	6.1	19.8
6 10	15 7.14	−21 19.7	2.033	2.960	9.6	20.0
6 20	15 1.51	−20 48.4	2.104	2.954	12.8	20.2

211520 2003 QY_{56} 5 15.3 277°.95 1°.9/16.1 17

4 11	15 58.33	−23 32.4	1.601	2.447	15.6	20.9
4 21	15 53.07	−23 44.8	1.499	2.421	12.1	20.6
5 1	15 44.81	−23 47.4	1.418	2.394	7.8	20.3
5 11	15 34.29	−23 38.9	1.362	2.367	3.3	20.0
5 21	15 22.65	−23 20.1	1.332	2.339	3.2	19.9
5 31	15 11.36	−22 54.0	1.328	2.311	8.1	20.1
6 10	15 1.85	−22 26.0	1.348	2.283	13.0	20.3
6 20	14 55.13	−22 2.0	1.389	2.254	17.3	20.5

10790 1991 XS 5 15.3 101°.17 0°.1/15.4 18

4 11	15 52.58	−22 2.0	2.280	3.120	11.8	17.8
4 21	15 47.45	−21 24.2	2.212	3.133	8.8	17.6
5 1	15 40.62	−20 38.1	2.167	3.145	5.3	17.4
5 11	15 32.80	−19 45.7	2.150	3.157	1.7	17.2
5 21	15 24.77	−18 50.5	2.162	3.169	2.1	17.2
5 31	15 17.35	−17 56.5	2.202	3.181	5.7	17.5
6 10	15 11.23	−17 7.7	2.268	3.193	8.9	17.7
6 20	15 6.87	−16 27.4	2.359	3.205	11.8	17.9

301012 2008 JL_{17} 5 15.3 300°.22 1°.7/13.4 18

4 11	15 44.63	−11 34.9	4.239	5.084	6.7	20.9
4 21	15 40.99	−11 13.3	4.154	5.078	4.9	20.7
5 1	15 36.52	−10 51.4	4.096	5.073	3.1	20.6
5 11	15 31.53	−10 30.7	4.067	5.068	1.7	20.5
5 21	15 26.39	−10 12.7	4.067	5.063	2.3	20.5
5 31	15 21.45	− 9 58.7	4.096	5.057	4.1	20.7
6 10	15 17.08	− 9 49.9	4.153	5.052	5.9	20.8
6 20	15 13.55	− 9 46.8	4.234	5.047	7.6	20.9

59535 1999 JQ_{27} 5 15.3 333°.90 2°.5/13.6 18

4 11	15 51.74	−17 37.1	1.595	2.461	14.6	18.1
4 21	15 47.53	−16 18.2	1.521	2.457	10.9	17.8
5 1	15 40.99	−14 49.0	1.470	2.453	6.6	17.6
5 11	15 32.97	−13 15.2	1.444	2.450	2.8	17.3
5 21	15 24.54	−11 43.9	1.445	2.447	4.4	17.4
5 31	15 16.82	−10 22.8	1.472	2.444	8.7	17.7
6 10	15 10.78	− 9 17.9	1.523	2.441	12.9	17.9
6 20	15 7.04	− 8 32.4	1.594	2.439	16.5	18.1

159864 2004 PH_{50} 5 15.3 299°.18 4°.6/13.5 17

4 11	15 54.95	−11 19.5	1.261	2.137	17.0	20.5
4 21	15 50.86	−10 44.3	1.171	2.111	13.0	20.1
5 1	15 43.60	−10 6.9	1.102	2.085	8.5	19.8
5 11	15 33.94	− 9 32.6	1.056	2.058	4.8	19.5
5 21	15 23.13	− 9 7.1	1.033	2.032	6.5	19.5
5 31	15 12.76	− 8 56.1	1.033	2.006	11.4	19.7
6 10	15 4.37	− 9 3.5	1.055	1.980	16.6	19.9
6 20	14 58.99	− 9 30.4	1.094	1.955	21.3	20.1

489336 2006 TR_{129} 5 15.3 240°.99 2°.5/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.80	−25 34.5	1.796	2.631	14.6	22.1
4 21	15 52.18	−25 47.3	1.707	2.621	11.3	21.9
5 1	15 43.96	−25 49.1	1.640	2.611	7.5	21.6
5 11	15 33.94	−25 39.0	1.599	2.601	3.6	21.3
5 21	15 23.21	−25 17.9	1.584	2.590	3.3	21.3
5 31	15 13.04	−24 48.9	1.597	2.579	7.1	21.5
6 10	15 4.57	−24 17.1	1.634	2.567	11.2	21.7
6 20	14 58.59	−23 47.8	1.694	2.555	14.9	21.9

410731 2009 CO_{24} 5 15.3 238°.88 4°.8/12.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.08	− 9 47.6	1.617	2.478	14.7	21.5
4 21	15 50.81	− 8 54.7	1.538	2.468	11.2	21.3
5 1	15 43.06	− 8 0.8	1.481	2.458	7.4	21.0
5 11	15 33.65	− 7 11.4	1.449	2.447	4.9	20.9
5 21	15 23.63	− 6 31.7	1.444	2.435	6.3	20.9
5 31	15 14.22	− 6 6.7	1.465	2.423	10.0	21.1
6 10	15 6.50	− 5 59.1	1.508	2.411	14.0	21.3
6 20	15 1.17	− 6 9.5	1.571	2.398	17.5	21.5

82044 2000 SP_{238} 5 15.3 94°.45 1°.6/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 49.50	−13 2.8	3.227	4.070	8.6	19.1
4 21	15 44.73	−12 51.6	3.159	4.083	6.3	18.9
5 1	15 38.83	−12 39.8	3.118	4.096	3.9	18.8
5 11	15 32.26	−12 28.8	3.105	4.109	1.8	18.6
5 21	15 25.51	−12 20.2	3.121	4.121	2.5	18.7
5 31	15 19.13	−12 15.4	3.166	4.134	4.8	18.9
6 10	15 13.58	−12 15.6	3.239	4.147	7.1	19.1
6 20	15 9.22	−12 21.7	3.336	4.159	9.2	19.2

255912 2006 SA_{354} 5 15.3 121°.96 0°.5/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.36	−18 22.4	1.924	2.767	13.5	21.1
4 21	15 51.98	−18 13.5	1.860	2.784	10.0	20.9
5 1	15 43.49	−17 59.1	1.821	2.800	6.0	20.7
5 11	15 33.72	−17 40.7	1.808	2.815	1.8	20.5
5 21	15 23.66	−17 20.7	1.823	2.830	2.6	20.5
5 31	15 14.35	−17 2.3	1.866	2.844	6.7	20.8
6 10	15 6.67	−16 48.5	1.935	2.857	10.4	21.1
6 20	15 1.16	−16 41.9	2.027	2.870	13.5	21.3

369406 2009 WO_{25} 5 15.3 145°.03 3°.4/18.0 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.93	−32 19.6	2.917	3.702	10.9	22.4
4 21	15 51.96	−32 30.7	2.840	3.718	8.6	22.3
5 1	15 43.31	−32 30.4	2.788	3.733	6.2	22.2
5 11	15 33.65	−32 17.7	2.764	3.748	4.1	22.0
5 21	15 23.73	−31 53.4	2.769	3.761	3.5	22.0
5 31	15 14.36	−31 19.8	2.804	3.773	5.2	22.2
6 10	15 6.25	−30 40.7	2.867	3.785	7.5	22.3
6 20	14 59.87	−29 59.9	2.955	3.796	9.8	22.5

138800 2000 TZ_{19} 5 15.3 223°.59 2°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.10	−11 58.8	2.473	3.319	10.7	20.0
4 21	15 47.82	−11 47.7	2.389	3.314	8.0	19.9
5 1	15 40.91	−11 36.4	2.331	3.309	5.0	19.7
5 11	15 32.94	−11 26.9	2.300	3.303	2.5	19.5
5 21	15 24.61	−11 21.1	2.298	3.297	3.4	19.5
5 31	15 16.69	−11 20.9	2.324	3.291	6.3	19.7
6 10	15 9.86	−11 27.9	2.377	3.285	9.3	19.9
6 20	15 4.62	−11 42.8	2.453	3.279	12.0	20.1

308452 2005 SC_{247} 5 15.3 235°.47 1°.1/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.10	−17 6.7	2.651	3.495	10.2	21.8
4 21	15 46.28	−16 34.5	2.561	3.485	7.6	21.6
5 1	15 39.94	−15 57.7	2.495	3.475	4.6	21.4
5 11	15 32.64	−15 18.4	2.458	3.465	1.6	21.2
5 21	15 25.01	−14 39.2	2.450	3.454	2.5	21.2
5 31	15 17.75	−14 3.1	2.470	3.443	5.6	21.4
6 10	15 11.51	−13 33.1	2.518	3.432	8.6	21.6
6 20	15 6.75	−13 11.1	2.589	3.421	11.3	21.7

443141 2014 BN_{34} 5 15.4 131°.09 14°.4/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 11.49	−49 30.2	1.356	2.101	22.9	21.5
4 21	16 4.46	−50 57.5	1.295	2.112	20.4	21.3
5 1	15 52.37	−51 52.1	1.249	2.122	17.8	21.1
5 11	15 36.67	−52 3.1	1.221	2.132	15.6	21.0
5 21	15 19.85	−51 25.0	1.213	2.140	14.5	21.0
5 31	15 4.80	−50 1.8	1.226	2.149	14.9	21.0
6 10	14 53.70	−48 6.9	1.260	2.157	16.6	21.2
6 20	14 47.50	−45 56.9	1.313	2.164	19.0	21.3

192724 1999 TF_{157} 5 15.4 284°.00 2°.2/13.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.40	−15 55.4	1.819	2.678	13.4	19.9
4 21	15 47.84	−15 7.6	1.738	2.671	10.0	19.7
5 1	15 41.14	−14 13.8	1.681	2.663	6.1	19.4
5 11	15 33.05	−13 17.7	1.649	2.655	2.6	19.2
5 21	15 24.50	−12 23.9	1.645	2.647	3.9	19.3
5 31	15 16.52	−11 37.4	1.667	2.639	7.8	19.5
6 10	15 10.01	−11 2.4	1.713	2.631	11.7	19.7
6 20	15 5.60	−10 41.3	1.781	2.624	15.1	19.9

340379 2006 DR_{190} 5 15.4 236°.91 3°.6/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 52.92	−10 58.2	1.960	2.818	12.7	20.8
4 21	15 48.02	−10 15.3	1.885	2.814	9.5	20.6
5 1	15 41.16	− 9 31.4	1.833	2.810	6.2	20.3
5 11	15 33.05	− 8 50.6	1.807	2.806	3.7	20.2
5 21	15 24.54	− 8 16.7	1.808	2.802	4.9	20.2
5 31	15 16.57	− 7 53.3	1.836	2.798	8.1	20.4
6 10	15 9.97	− 7 43.0	1.889	2.793	11.5	20.6
6 20	15 5.31	− 7 46.4	1.963	2.789	14.5	20.8

189052 2000 SJ_{197} 5 15.4 229°.66 3°.9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.57	−31 37.3	2.547	3.348	11.8	20.5
4 21	15 49.93	−32 3.0	2.454	3.341	9.5	20.3
5 1	15 42.34	−32 17.4	2.384	3.334	6.9	20.1
5 11	15 33.43	−32 19.1	2.341	3.326	4.6	20.0
5 21	15 24.01	−32 8.1	2.325	3.318	4.1	19.9
5 31	15 15.01	−31 46.2	2.338	3.310	6.0	20.0
6 10	15 7.26	−31 16.9	2.377	3.301	8.6	20.2
6 20	15 1.36	−30 44.6	2.441	3.292	11.2	20.3

124860 2001 TQ_{25} 5 15.4 91°.19 4°.7/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.18	−29 32.4	1.396	2.233	17.9	19.6
4 21	15 54.42	−29 58.7	1.332	2.243	14.1	19.4
5 1	15 45.46	−30 8.0	1.288	2.253	9.8	19.2
5 11	15 34.43	−29 57.9	1.268	2.263	5.8	18.9
5 21	15 22.80	−29 29.3	1.272	2.273	5.0	18.9
5 31	15 12.22	−28 46.9	1.301	2.282	8.5	19.1
6 10	15 4.04	−27 58.6	1.353	2.292	12.6	19.4
6 20	14 58.99	−27 12.1	1.426	2.301	16.4	19.7

49124 1998 SF_{17} 5 15.4 285°.98 0°.1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.61	−19 38.5	1.591	2.448	15.1	19.8
4 21	15 50.83	−19 31.1	1.497	2.427	11.5	19.5
5 1	15 43.32	−19 15.8	1.425	2.406	7.1	19.2
5 11	15 33.83	−18 53.7	1.377	2.385	2.2	18.8
5 21	15 23.46	−18 27.4	1.356	2.364	3.0	18.8
5 31	15 13.55	−18 0.8	1.360	2.342	8.1	19.1
6 10	15 5.36	−17 38.9	1.388	2.321	12.8	19.3
6 20	14 59.76	−17 25.7	1.437	2.300	17.0	19.5

120959 1998 UP_{48} 5 15.4 180°.96 3°.4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.02	−12 35.4	1.660	2.517	14.6	21.0
4 21	15 52.11	−11 54.6	1.589	2.518	11.0	20.8
5 1	15 43.77	−11 11.3	1.540	2.519	6.9	20.6
5 11	15 33.88	−10 29.6	1.517	2.519	3.6	20.4
5 21	15 23.53	− 9 54.1	1.520	2.518	4.9	20.4
5 31	15 13.89	− 9 29.0	1.551	2.517	8.9	20.7
6 10	15 6.00	− 9 17.3	1.605	2.515	12.8	20.9
6 20	15 0.51	− 9 20.2	1.680	2.513	16.3	21.1

108686 2001 OK_{8} 5 15.4 277°.41 8°.0/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.91	− 2 7.9	1.644	2.505	14.5	19.5
4 21	15 48.33	− 0 47.1	1.575	2.496	11.6	19.3
5 1	15 41.50	+ 0 28.1	1.528	2.487	9.1	19.1
5 11	15 33.19	+ 1 30.1	1.505	2.478	8.0	19.0
5 21	15 24.40	+ 2 12.5	1.507	2.469	9.4	19.1
5 31	15 16.21	+ 2 31.0	1.533	2.460	12.1	19.2
6 10	15 9.59	+ 2 24.5	1.581	2.451	15.3	19.4
6 20	15 5.17	+ 1 55.0	1.647	2.442	18.1	19.6

313757 2003 WE_{51} 5 15.4 76°.48 0°.2/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.54	−20 17.7	1.465	2.322	16.2	21.3
4 21	15 51.99	−20 11.3	1.406	2.336	12.1	21.1
5 1	15 43.76	−19 56.4	1.368	2.349	7.4	20.9
5 11	15 33.87	−19 34.5	1.355	2.363	2.3	20.6
5 21	15 23.59	−19 8.5	1.368	2.376	2.9	20.7
5 31	15 14.26	−18 42.9	1.406	2.389	7.8	21.0
6 10	15 6.98	−18 22.3	1.468	2.403	12.2	21.3
6 20	15 2.37	−18 10.1	1.551	2.416	15.9	21.5

258239 2001 TX_{121} 5 15.4 180°.49 2°.3/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 46.24	−32 28.8	4.606	5.395	7.1	20.5
4 21	15 42.22	−32 22.6	4.515	5.395	5.7	20.4
5 1	15 37.29	−32 8.9	4.450	5.395	4.1	20.3
5 11	15 31.82	−31 48.0	4.411	5.395	2.7	20.2
5 21	15 26.19	−31 20.5	4.402	5.395	2.3	20.1
5 31	15 20.82	−30 48.0	4.423	5.395	3.4	20.2
6 10	15 16.07	−30 12.4	4.471	5.395	4.9	20.3
6 20	15 12.25	−29 35.8	4.546	5.394	6.5	20.4

214420 2005 PF_{22} 5 15.4 300°.99 4°.6/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.49	− 7 48.4	2.115	2.973	11.9	20.1
4 21	15 46.10	− 6 54.7	2.039	2.966	9.0	19.9
5 1	15 39.96	− 6 2.1	1.987	2.959	6.2	19.7
5 11	15 32.69	− 5 15.1	1.961	2.952	4.6	19.6
5 21	15 25.07	− 4 37.7	1.962	2.945	5.7	19.7
5 31	15 17.91	− 4 13.4	1.989	2.938	8.5	19.8
6 10	15 11.96	− 4 4.2	2.041	2.932	11.4	20.0
6 20	15 7.74	− 4 10.2	2.114	2.925	14.1	20.2

141245 2001 XX_{259} 5 15.4 175°.75 3°.5/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 54.68	− 7 33.6	2.411	3.255	11.1	20.4
4 21	15 48.96	− 7 26.6	2.336	3.256	8.4	20.2
5 1	15 41.60	− 7 22.8	2.285	3.257	5.6	20.0
5 11	15 33.19	− 7 24.4	2.262	3.257	3.6	19.9
5 21	15 24.45	− 7 33.0	2.267	3.258	4.4	19.9
5 31	15 16.17	− 7 50.1	2.301	3.258	7.0	20.1
6 10	15 9.03	− 8 16.1	2.361	3.258	9.8	20.3
6 20	15 3.55	− 8 50.9	2.444	3.258	12.4	20.4

156293 2001 WB_{59} 5 15.4 352°.03 0°.1/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 45.41	−20 39.2	3.907	4.741	7.4	19.6
4 21	15 41.68	−20 23.5	3.821	4.740	5.5	19.4
5 1	15 37.01	−20 3.8	3.761	4.738	3.3	19.3
5 11	15 31.75	−19 41.2	3.730	4.737	1.1	19.1
5 21	15 26.31	−19 16.9	3.728	4.736	1.3	19.1
5 31	15 21.13	−18 52.7	3.756	4.735	3.6	19.3
6 10	15 16.60	−18 30.3	3.811	4.734	5.7	19.4
6 20	15 13.03	−18 11.2	3.892	4.733	7.6	19.6

364736 2007 VX_{196} 5 15.4 13°.57 0°.3/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.36	−22 46.2	1.260	2.129	17.5	20.2
4 21	15 49.35	−22 5.2	1.195	2.130	13.2	19.9
5 1	15 42.37	−21 8.9	1.149	2.132	8.1	19.6
5 11	15 33.50	−20 0.7	1.127	2.134	2.6	19.3
5 21	15 24.09	−18 46.6	1.129	2.137	3.2	19.3
5 31	15 15.65	−17 34.8	1.155	2.141	8.7	19.7
6 10	15 9.39	−16 33.2	1.204	2.145	13.6	19.9
6 20	15 6.03	−15 47.1	1.272	2.149	17.8	20.2

468576 2007 FB_{40} 5 15.4 343°.81 10°.6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 46.49	− 0 46.6	1.128	2.017	17.6	19.3
4 21	15 44.42	+ 0 32.5	1.062	1.998	14.4	19.0
5 1	15 39.52	+ 1 41.8	1.015	1.981	11.7	18.8
5 11	15 32.67	+ 2 31.0	0.989	1.965	10.6	18.7
5 21	15 25.08	+ 2 51.3	0.983	1.952	12.2	18.7
5 31	15 18.16	+ 2 37.8	0.997	1.940	15.4	18.9
6 10	15 13.19	+ 1 50.7	1.029	1.930	19.1	19.1
6 20	15 10.98	+ 0 34.7	1.076	1.922	22.5	19.3

236586 2006 HQ_{117} 5 15.4 278°.58 2°.5/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.27	−13 25.6	1.952	2.808	12.8	21.0
4 21	15 48.42	−13 1.6	1.867	2.797	9.6	20.8
5 1	15 41.50	−12 35.5	1.806	2.787	6.0	20.6
5 11	15 33.21	−12 9.9	1.772	2.776	2.8	20.3
5 21	15 24.42	−11 48.1	1.764	2.765	3.9	20.4
5 31	15 16.11	−11 33.2	1.783	2.754	7.6	20.6
6 10	15 9.16	−11 27.8	1.828	2.743	11.2	20.8
6 20	15 4.20	−11 33.5	1.893	2.733	14.5	21.0

389550 2010 PB_{10} 5 15.4 245°.82 6°.1/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.02	+ 0 48.5	2.801	3.637	9.9	21.1
4 21	15 45.39	+ 1 56.7	2.720	3.622	8.1	20.9
5 1	15 39.39	+ 2 59.8	2.664	3.606	6.6	20.8
5 11	15 32.51	+ 3 53.2	2.635	3.590	6.1	20.8
5 21	15 25.33	+ 4 33.5	2.634	3.573	7.0	20.8
5 31	15 18.47	+ 4 57.9	2.659	3.557	8.8	20.9
6 10	15 12.50	+ 5 5.4	2.708	3.539	10.8	21.0
6 20	15 7.85	+ 4 56.5	2.778	3.522	12.7	21.1

103181 1999 XR_{237} 5 15.4 238°.55 0°.2/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.22	−18 38.6	1.834	2.680	13.9	20.6
4 21	15 52.38	−18 40.6	1.744	2.668	10.5	20.3
5 1	15 44.07	−18 37.2	1.676	2.656	6.5	20.0
5 11	15 34.04	−18 29.1	1.635	2.643	2.0	19.7
5 21	15 23.32	−18 18.1	1.622	2.629	2.7	19.7
5 31	15 13.09	−18 6.9	1.636	2.615	7.2	20.0
6 10	15 4.44	−17 59.0	1.675	2.601	11.5	20.2
6 20	14 58.11	−17 57.5	1.736	2.586	15.1	20.4

316877 2000 RY_{70} 5 15.4 265°.03 3°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.94	−12 9.8	2.039	2.891	12.5	21.0
4 21	15 49.69	−11 34.2	1.940	2.867	9.4	20.8
5 1	15 42.33	−10 56.1	1.865	2.843	6.0	20.5
5 11	15 33.49	−10 18.9	1.817	2.819	3.3	20.3
5 21	15 24.03	− 9 46.3	1.796	2.793	4.5	20.3
5 31	15 14.92	− 9 21.9	1.803	2.768	8.0	20.5
6 10	15 7.10	− 9 8.9	1.835	2.741	11.7	20.6
6 20	15 1.23	− 9 8.9	1.889	2.715	15.0	20.8

163434 2002 RY_{72} 5 15.4 175°.83 4°.4/18.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.99	−34 21.6	2.638	3.424	11.9	20.8
4 21	15 50.88	−34 40.6	2.551	3.426	9.6	20.6
5 1	15 42.86	−34 46.5	2.489	3.428	7.2	20.5
5 11	15 33.61	−34 37.9	2.452	3.429	5.1	20.3
5 21	15 23.95	−34 15.1	2.443	3.430	4.5	20.3
5 31	15 14.80	−33 40.2	2.463	3.430	6.0	20.4
6 10	15 6.97	−32 57.5	2.510	3.430	8.4	20.6
6 20	15 1.02	−32 11.6	2.581	3.429	10.8	20.7

497501 2006 AV_{97} 5 15.4 194°.89 10°.8/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 55.56	+19 32.0	2.725	3.480	12.3	22.1
4 21	15 49.45	+20 45.0	2.673	3.477	11.4	22.0
5 1	15 41.82	+21 40.7	2.644	3.473	10.8	22.0
5 11	15 33.25	+22 14.1	2.637	3.468	10.9	22.0
5 21	15 24.45	+22 22.3	2.654	3.463	11.5	22.0
5 31	15 16.11	+22 4.4	2.692	3.456	12.5	22.1
6 10	15 8.90	+21 22.1	2.750	3.449	13.7	22.2
6 20	15 3.25	+20 18.9	2.825	3.441	14.9	22.3

463107 2011 UD_{117} 5 15.4 189°.74 1°.0/14.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.14	−18 27.3	1.707	2.558	14.6	22.7
4 21	15 52.25	−17 57.3	1.630	2.557	10.9	22.5
5 1	15 43.92	−17 19.6	1.575	2.556	6.6	22.2
5 11	15 33.97	−16 36.8	1.547	2.554	2.1	21.9
5 21	15 23.53	−15 52.6	1.545	2.552	3.2	22.0
5 31	15 13.78	−15 11.9	1.571	2.548	7.7	22.3
6 10	15 5.79	−14 39.4	1.622	2.545	12.0	22.5
6 20	15 0.21	−14 18.2	1.694	2.540	15.6	22.7

475457 2006 RQ_{79} 5 15.4 224°.25 0°.6/15.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.44	−21 48.5	2.436	3.272	11.3	22.3
4 21	15 48.23	−21 41.8	2.347	3.265	8.5	22.1
5 1	15 41.25	−21 28.2	2.283	3.259	5.3	21.9
5 11	15 33.13	−21 8.5	2.245	3.252	1.8	21.6
5 21	15 24.61	−20 44.5	2.237	3.245	2.0	21.6
5 31	15 16.51	−20 18.8	2.257	3.237	5.5	21.9
6 10	15 9.58	−19 54.6	2.303	3.229	8.7	22.1
6 20	15 4.36	−19 34.7	2.374	3.221	11.6	22.2

164290 2004 XY_{106} 5 15.4 240°.04 1°.2/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.15	−22 38.5	1.749	2.590	14.7	20.8
4 21	15 53.29	−22 40.8	1.656	2.576	11.2	20.5
5 1	15 44.74	−22 33.7	1.585	2.561	7.1	20.3
5 11	15 34.30	−22 17.0	1.540	2.546	2.7	20.0
5 21	15 23.05	−21 52.3	1.522	2.530	2.8	19.9
5 31	15 12.32	−21 23.0	1.531	2.513	7.4	20.2
6 10	15 3.31	−20 54.2	1.565	2.495	11.8	20.4
6 20	14 56.82	−20 30.6	1.621	2.477	15.7	20.6

295044 2008 EV_{99} 5 15.4 48°.54 8°.0/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.34	+ 4 22.7	2.208	3.043	12.2	20.2
4 21	15 46.54	+ 5 15.8	2.152	3.048	10.2	20.0
5 1	15 40.13	+ 5 58.0	2.120	3.053	8.5	19.9
5 11	15 32.75	+ 6 24.5	2.112	3.059	8.0	19.9
5 21	15 25.14	+ 6 31.9	2.130	3.064	8.8	20.0
5 31	15 18.05	+ 6 19.1	2.173	3.069	10.5	20.1
6 10	15 12.17	+ 5 46.6	2.238	3.075	12.6	20.2
6 20	15 7.95	+ 4 57.0	2.323	3.080	14.6	20.4

323382 2003 YA_{31} 5 15.4 190°.02 0°.6/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.60	−18 36.0	1.977	2.820	13.2	21.9
4 21	15 51.59	−18 19.0	1.896	2.819	9.8	21.7
5 1	15 43.41	−17 55.8	1.839	2.818	6.0	21.4
5 11	15 33.81	−17 28.1	1.808	2.816	1.8	21.2
5 21	15 23.75	−16 58.4	1.806	2.813	2.6	21.2
5 31	15 14.28	−16 30.3	1.832	2.809	6.8	21.5
6 10	15 6.33	−16 7.6	1.883	2.805	10.6	21.7
6 20	15 0.51	−15 53.0	1.958	2.800	13.9	21.9

196578 2003 QV_{40} 5 15.4 270°.29 5°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.61	− 6 20.4	1.950	2.806	12.8	20.2
4 21	15 47.90	− 5 20.7	1.866	2.791	9.9	20.0
5 1	15 41.18	− 4 22.5	1.806	2.775	7.1	19.8
5 11	15 33.14	− 3 31.2	1.772	2.759	5.5	19.7
5 21	15 24.59	− 2 51.6	1.765	2.743	6.7	19.7
5 31	15 16.50	− 2 27.7	1.783	2.727	9.6	19.9
6 10	15 9.73	− 2 21.8	1.825	2.710	12.8	20.0
6 20	15 4.88	− 2 33.7	1.888	2.694	15.8	20.2

366552 2002 QD_{149} 5 15.4 326°.75 4°.9/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.96	− 9 33.2	1.303	2.179	16.6	20.6
4 21	15 49.77	− 9 6.4	1.230	2.168	12.6	20.3
5 1	15 42.72	− 8 41.4	1.177	2.158	8.3	20.0
5 11	15 33.68	− 8 23.3	1.148	2.148	5.1	19.8
5 21	15 23.89	− 8 16.5	1.142	2.139	6.4	19.8
5 31	15 14.79	− 8 24.9	1.160	2.130	10.7	20.0
6 10	15 7.64	− 8 50.0	1.199	2.122	15.2	20.3
6 20	15 3.28	− 9 31.2	1.257	2.115	19.2	20.5

518615 2008 AA_{139} 5 15.4 317°.14 5°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.81	− 4 32.1	2.125	2.979	11.9	20.6
4 21	15 46.32	− 3 43.5	2.053	2.974	9.3	20.4
5 1	15 40.10	− 2 58.9	2.004	2.970	6.8	20.3
5 11	15 32.77	− 2 22.9	1.982	2.965	5.5	20.2
5 21	15 25.11	− 1 59.2	1.986	2.961	6.5	20.2
5 31	15 17.92	− 1 50.5	2.017	2.956	9.0	20.4
6 10	15 11.94	− 1 57.9	2.071	2.952	11.7	20.5
6 20	15 7.67	− 2 20.7	2.146	2.948	14.3	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
505206 2012 TV_{237}			5 15.4 277°.04		2°.7/13.8 17	
	h m	° ′			°	m
4 11	15 53.05	−13 2.4	1.936	2.793	12.8	21.0
4 21	15 48.27	−12 31.4	1.852	2.782	9.6	20.8
5 1	15 41.43	−11 58.1	1.792	2.772	6.0	20.6
5 11	15 33.23	−11 25.7	1.757	2.761	3.0	20.3
5 21	15 24.53	−10 57.7	1.750	2.750	4.1	20.4
5 31	15 16.32	−10 37.6	1.770	2.739	7.8	20.6
6 10	15 9.48	−10 28.1	1.815	2.728	11.4	20.8
6 20	15 4.63	−10 30.8	1.881	2.718	14.6	21.0
212789 2007 TH_{226}			5 15.4 177°.58		4°.6/17.7 17	
4 11	16 0.10	−30 38.1	1.690	2.512	16.0	21.0
4 21	15 54.09	−31 1.3	1.612	2.513	12.7	20.8
5 1	15 45.22	−31 8.7	1.556	2.514	9.0	20.6
5 11	15 34.43	−30 58.2	1.523	2.515	5.6	20.4
5 21	15 23.00	−30 30.1	1.517	2.515	4.9	20.3
5 31	15 12.34	−29 48.1	1.537	2.515	7.8	20.5
6 10	15 3.69	−28 59.0	1.581	2.514	11.5	20.7
6 20	14 57.83	−28 9.7	1.648	2.513	15.0	20.9
497058 2003 SZ_{428}			5 15.4 279°.31		0°.7/15.0 17	
4 11	15 56.11	−19 21.3	1.573	2.430	15.3	22.5
4 21	15 51.29	−18 55.9	1.475	2.405	11.6	22.2
5 1	15 43.68	−18 20.8	1.398	2.380	7.2	21.8
5 11	15 34.02	−17 37.9	1.346	2.354	2.2	21.5
5 21	15 23.43	−16 50.9	1.321	2.328	3.3	21.5
5 31	15 13.28	−16 5.1	1.321	2.301	8.5	21.7
6 10	15 4.85	−15 26.5	1.345	2.275	13.4	21.9
6 20	14 59.04	−14 59.8	1.389	2.248	17.7	22.1
439556 2014 DC_{46}			5 15.4 27°.79		4°.4/12.6 17	
4 11	15 51.92	− 7 11.8	2.143	2.997	11.9	21.0
4 21	15 47.10	− 6 35.3	2.073	2.998	9.0	20.8
5 1	15 40.55	− 6 1.4	2.027	2.998	6.2	20.6
5 11	15 32.92	− 5 33.8	2.007	2.999	4.4	20.5
5 21	15 24.97	− 5 15.8	2.014	2.999	5.4	20.5
5 31	15 17.53	− 5 9.8	2.049	3.000	8.1	20.7
6 10	15 11.32	− 5 17.0	2.108	3.001	11.0	20.9
6 20	15 6.85	− 5 37.2	2.188	3.002	13.6	21.1
400518 2008 SL_{166}			5 15.4 295°.78		3°.2/13.9 16	
4 11	15 54.74	−14 59.3	1.225	2.103	17.3	21.5
4 21	15 50.85	−14 18.0	1.136	2.077	13.2	21.1
5 1	15 43.70	−13 28.9	1.067	2.052	8.3	20.8
5 11	15 34.09	−12 36.4	1.020	2.026	3.7	20.4
5 21	15 23.32	−11 46.8	0.997	2.000	5.5	20.4
5 31	15 13.04	−11 7.4	0.997	1.974	11.0	20.7
6 10	15 4.82	−10 44.3	1.018	1.949	16.5	20.9
6 20	14 59.70	−10 41.0	1.056	1.924	21.4	21.1
28186 1998 WK_{18}			5 15.4 264°.03		2°.5/16.5 18	
4 11	15 58.58	−25 32.2	1.523	2.367	16.4	18.8
4 21	15 53.34	−25 37.5	1.429	2.348	12.7	18.5
5 1	15 45.03	−25 29.4	1.356	2.329	8.4	18.2
5 11	15 34.46	−25 7.0	1.307	2.310	3.9	17.9
5 21	15 22.89	−24 31.4	1.284	2.290	3.5	17.8
5 31	15 11.86	−23 46.8	1.286	2.270	8.2	18.0
6 10	15 2.79	−23 0.1	1.312	2.250	13.0	18.2
6 20	14 56.65	−22 18.3	1.359	2.229	17.4	18.4
201675 2003 UV_{81}			5 15.4 180°.62		2°.0/14.1 17	
4 11	15 53.41	−14 58.2	2.085	2.937	12.2	20.9
4 21	15 48.31	−14 26.1	2.009	2.938	9.1	20.7
5 1	15 41.33	−13 50.5	1.958	2.938	5.6	20.4
5 11	15 33.17	−13 14.2	1.933	2.938	2.4	20.2
5 21	15 24.66	−12 40.5	1.936	2.938	3.4	20.3
5 31	15 16.68	−12 12.7	1.966	2.937	6.9	20.5
6 10	15 10.04	−11 53.9	2.022	2.937	10.4	20.7
6 20	15 5.27	−11 45.6	2.100	2.936	13.4	20.9
171323 2006 HD_{91}			5 15.4 249°.11		2°.7/13.8 17	
4 11	15 53.23	−12 50.2	2.056	2.910	12.3	21.0
4 21	15 48.26	−12 19.3	1.974	2.903	9.2	20.8
5 1	15 41.36	−11 46.5	1.916	2.895	5.8	20.6
5 11	15 33.20	−11 14.8	1.884	2.887	2.9	20.4
5 21	15 24.61	−10 47.4	1.880	2.880	4.0	20.4
5 31	15 16.50	−10 27.7	1.904	2.872	7.4	20.6
6 10	15 9.71	−10 18.1	1.953	2.864	10.9	20.8
6 20	15 4.79	−10 20.0	2.023	2.855	13.9	21.0
302180 2001 TX_{127}			5 15.4 296°.40		0°.5/15.2 17	
4 11	15 56.92	−17 55.6	1.279	2.149	17.3	20.5
4 21	15 52.49	−18 2.4	1.190	2.126	13.2	20.2
5 1	15 44.72	−18 3.8	1.121	2.104	8.2	19.8
5 11	15 34.42	−18 0.6	1.074	2.082	2.6	19.4
5 21	15 22.91	−17 54.6	1.052	2.060	3.5	19.4
5 31	15 11.85	−17 49.5	1.053	2.038	9.5	19.7
6 10	15 2.88	−17 49.9	1.077	2.016	15.0	19.9
6 20	14 57.08	−17 59.4	1.119	1.995	19.8	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
406899 2009 DK_{89}			5 15.4 143°.33		4°.3/13.2 16	
	h m	° ′			°	m
4 11	15 56.76	−10 27.6	1.622	2.482	14.7	21.1
4 21	15 51.15	− 9 42.0	1.558	2.488	11.1	20.9
5 1	15 43.19	− 8 56.2	1.516	2.494	7.2	20.7
5 11	15 33.76	− 8 15.1	1.500	2.499	4.4	20.6
5 21	15 23.95	− 7 43.2	1.511	2.504	5.7	20.6
5 31	15 14.91	− 7 24.5	1.547	2.509	9.3	20.9
6 10	15 7.62	− 7 21.1	1.607	2.513	13.1	21.1
6 20	15 2.68	− 7 33.4	1.687	2.517	16.4	21.3
322530 2011 YS_{19}			5 15.4 25°.78		0°.9/15.0 17	
4 11	15 53.59	−18 33.3	1.162	2.041	18.0	20.2
4 21	15 49.59	−18 15.9	1.107	2.049	13.4	20.0
5 1	15 42.57	−17 50.1	1.072	2.058	8.1	19.7
5 11	15 33.61	−17 19.0	1.059	2.067	2.5	19.4
5 21	15 24.17	−16 47.2	1.070	2.078	3.6	19.5
5 31	15 15.78	−16 20.0	1.104	2.090	9.0	19.8
6 10	15 9.68	−16 2.6	1.160	2.102	13.9	20.1
6 20	15 6.53	−15 57.6	1.235	2.115	18.1	20.4
208610 2002 CB_{254}			5 15.4 129°.75		1°.3/14.6 18	
4 11	15 58.47	−18 34.5	1.748	2.596	14.4	21.2
4 21	15 52.22	−17 47.0	1.685	2.612	10.7	21.0
5 1	15 43.73	−16 51.7	1.646	2.626	6.4	20.8
5 11	15 33.90	−15 52.1	1.634	2.641	2.1	20.5
5 21	15 23.83	−14 52.9	1.649	2.654	3.2	20.6
5 31	15 14.62	−13 59.5	1.692	2.667	7.5	20.9
6 10	15 7.18	−13 16.4	1.760	2.679	11.4	21.2
6 20	15 2.06	−12 46.5	1.850	2.690	14.7	21.4
174657 2003 ST_{199}			5 15.4 201°.30		2°.6/16.8 17	
4 11	15 58.98	−27 6.3	1.995	2.818	13.8	20.7
4 21	15 52.81	−27 8.1	1.908	2.815	10.7	20.5
5 1	15 44.26	−26 57.6	1.843	2.810	7.1	20.3
5 11	15 34.13	−26 34.5	1.805	2.805	3.6	20.1
5 21	15 23.45	−25 59.9	1.794	2.798	3.2	20.0
5 31	15 13.36	−25 17.5	1.811	2.792	6.6	20.2
6 10	15 4.89	−24 32.6	1.855	2.784	10.3	20.4
6 20	14 58.73	−23 50.4	1.921	2.776	13.7	20.6
391090 2005 UK_{300}			5 15.4 331°.73		3°.8/13.8 18	
4 11	15 55.39	− 6 48.5	2.144	2.991	12.1	20.1
4 21	15 49.78	− 6 56.1	2.064	2.986	9.3	19.9
5 1	15 42.26	− 7 8.7	2.009	2.981	6.2	19.7
5 11	15 33.49	− 7 28.3	1.980	2.977	3.9	19.5
5 21	15 24.28	− 7 56.1	1.980	2.972	4.7	19.6
5 31	15 15.53	− 8 33.0	2.007	2.968	7.6	19.7
6 10	15 8.05	− 9 18.8	2.061	2.964	10.7	19.9
6 20	15 2.42	−10 12.8	2.137	2.961	13.6	20.1
314116 2005 EP_{103}			5 15.4 105°.13		1°.3/14.7 17	
4 11	15 57.70	−17 22.5	1.588	2.445	15.2	21.6
4 21	15 51.89	−16 56.6	1.528	2.459	11.3	21.4
5 1	15 43.64	−16 24.6	1.491	2.472	6.8	21.1
5 11	15 33.91	−15 49.5	1.478	2.486	2.3	20.9
5 21	15 23.85	−15 14.9	1.493	2.499	3.3	21.0
5 31	15 14.67	−14 45.4	1.534	2.511	7.8	21.3
6 10	15 7.37	−14 24.8	1.599	2.524	12.0	21.6
6 20	15 2.53	−14 15.5	1.685	2.536	15.5	21.8
253355 2003 FF_{130}			5 15.4 337°.99		5°.6/10.8 18	
4 11	15 48.02	− 9 10.1	1.780	2.651	13.1	19.6
4 21	15 44.60	− 7 28.4	1.705	2.639	10.0	19.4
5 1	15 39.21	− 5 43.8	1.653	2.628	7.0	19.2
5 11	15 32.56	− 4 3.8	1.628	2.617	5.6	19.1
5 21	15 25.50	− 2 35.7	1.629	2.608	7.2	19.2
5 31	15 18.97	− 1 26.0	1.655	2.599	10.3	19.3
6 10	15 13.81	− 0 38.5	1.704	2.590	13.5	19.5
6 20	15 10.58	− 0 14.0	1.772	2.583	16.5	19.7
39320 2001 VK_{46}			5 15.4 257°.97		3°.9/12.9 18	
4 11	15 53.66	− 6 44.5	2.509	3.352	10.7	18.9
4 21	15 48.32	− 6 23.2	2.415	3.334	8.2	18.7
5 1	15 41.32	− 6 4.6	2.346	3.316	5.7	18.5
5 11	15 33.21	− 5 51.5	2.305	3.297	4.0	18.4
5 21	15 24.65	− 5 46.4	2.292	3.277	4.8	18.4
5 31	15 16.41	− 5 51.2	2.307	3.257	7.4	18.5
6 10	15 9.20	− 6 7.1	2.348	3.237	10.2	18.7
6 20	15 3.54	− 6 33.9	2.412	3.217	12.8	18.8
478223 2011 UB_{314}			5 15.4 197°.66		0°.2/15.3 18	
4 11	15 53.91	−18 18.6	2.646	3.482	10.4	21.7
4 21	15 48.42	−18 22.7	2.560	3.480	7.8	21.5
5 1	15 41.32	−18 23.2	2.500	3.478	4.7	21.3
5 11	15 33.19	−18 20.9	2.468	3.475	1.5	21.1
5 21	15 24.70	−18 16.9	2.465	3.472	1.9	21.1
5 31	15 16.59	−18 12.9	2.491	3.469	5.2	21.3
6 10	15 9.55	−18 11.0	2.545	3.466	8.3	21.5
6 20	15 4.08	−18 12.9	2.623	3.462	10.9	21.7

61671 2000 QH_{119} 5 15.4 292°.34 0°.4/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 53.57	−22 13.6	1.685	2.538	14.6	19.5
4 21	15 49.12	−21 48.6	1.595	2.522	11.1	19.2
5 1	15 42.18	−21 12.3	1.527	2.507	6.9	18.9
5 11	15 33.53	−20 26.1	1.485	2.492	2.3	18.6
5 21	15 24.23	−19 33.6	1.468	2.476	2.7	18.6
5 31	15 15.47	−18 39.9	1.478	2.461	7.4	18.8
6 10	15 8.37	−17 51.1	1.512	2.446	11.9	19.1
6 20	15 3.65	−17 11.9	1.567	2.431	15.8	19.3

301008 2008 GK_{141} 5 15.4 268°.13 0°.4/14.9 18

4 11	15 44.76	−18 27.0	4.415	5.252	6.6	21.4
4 21	15 41.13	−18 3.5	4.326	5.247	4.8	21.3
5 1	15 36.68	−17 37.2	4.264	5.243	2.9	21.1
5 11	15 31.72	−17 9.0	4.231	5.238	0.9	21.0
5 21	15 26.61	−16 40.4	4.228	5.234	1.3	21.0
5 31	15 21.71	−16 13.0	4.254	5.230	3.4	21.2
6 10	15 17.38	−15 48.3	4.309	5.225	5.3	21.3
6 20	15 13.88	−15 27.5	4.389	5.221	7.0	21.4

201810 2003 XL_{26} 5 15.4 233°.80 3°.8/12.9 18

4 11	15 53.55	− 8 39.8	2.290	3.139	11.4	20.9
4 21	15 48.33	− 8 5.9	2.205	3.129	8.7	20.7
5 1	15 41.34	− 7 33.0	2.145	3.118	5.8	20.5
5 11	15 33.21	− 7 4.5	2.112	3.107	3.9	20.3
5 21	15 24.68	− 6 43.4	2.107	3.096	4.8	20.4
5 31	15 16.56	− 6 32.4	2.130	3.084	7.7	20.5
6 10	15 9.59	− 6 33.2	2.178	3.072	10.7	20.7
6 20	15 4.33	− 6 46.3	2.248	3.060	13.4	20.9

214892 2007 SU_{2} 5 15.4 88°.36 6°.6/10.8 18

4 11	15 57.56	−15 48.9	1.060	1.941	19.2	19.4
4 21	15 52.42	−12 41.7	1.010	1.953	14.2	19.2
5 1	15 44.15	− 9 19.9	0.982	1.965	9.2	18.9
5 11	15 34.06	− 6 0.5	0.979	1.976	6.6	18.8
5 21	15 23.76	− 3 1.9	1.002	1.988	9.3	19.0
5 31	15 14.81	− 0 39.1	1.049	1.999	14.0	19.3
6 10	15 8.38	+ 1 1.1	1.116	2.011	18.4	19.6
6 20	15 5.02	+ 1 59.9	1.200	2.021	22.1	19.9

275288 2010 CV_{162} 5 15.4 215°.29 1°.0/14.5 18

4 11	15 48.60	−16 2.7	3.311	4.152	8.4	21.4
4 21	15 44.19	−15 43.2	3.225	4.148	6.2	21.2
5 1	15 38.62	−15 21.3	3.166	4.145	3.8	21.0
5 11	15 32.34	−14 58.3	3.135	4.141	1.4	20.9
5 21	15 25.83	−14 36.0	3.133	4.138	2.0	20.9
5 31	15 19.61	−14 16.2	3.161	4.134	4.5	21.1
6 10	15 14.18	−14 0.9	3.216	4.130	7.0	21.2
6 20	15 9.90	−13 51.2	3.296	4.126	9.1	21.4

141920 2002 PU_{82} 5 15.4 218°.15 1°.0/14.8 18

4 11	15 57.08	−17 23.6	2.016	2.861	12.9	20.9
4 21	15 51.26	−17 4.5	1.928	2.852	9.7	20.6
5 1	15 43.27	−16 40.1	1.864	2.843	5.9	20.4
5 11	15 33.84	−16 12.1	1.826	2.833	1.9	20.1
5 21	15 23.89	−15 43.3	1.817	2.823	2.9	20.1
5 31	15 14.43	−15 17.2	1.836	2.812	6.9	20.4
6 10	15 6.40	−14 57.2	1.881	2.800	10.8	20.6
6 20	15 0.45	−14 45.9	1.948	2.787	14.1	20.8

496540 2014 WU_{201} 5 15.4 249°.12 5°.5/12.3 16

4 11	15 57.15	− 7 39.4	1.772	2.626	14.0	21.7
4 21	15 51.58	− 6 41.9	1.681	2.606	10.8	21.5
5 1	15 43.62	− 5 44.5	1.614	2.586	7.5	21.2
5 11	15 33.99	− 4 52.7	1.573	2.565	5.5	21.1
5 21	15 23.66	− 4 11.8	1.559	2.542	6.8	21.1
5 31	15 13.79	− 3 46.7	1.570	2.520	10.3	21.2
6 10	15 5.41	− 3 40.1	1.606	2.496	14.0	21.4
6 20	14 59.29	− 3 52.4	1.661	2.471	17.4	21.6

347889 2002 TX_{202} 5 15.4 239°.54 0°.7/15.8 18

4 11	15 55.62	−21 36.5	2.614	3.443	10.8	21.6
4 21	15 49.85	−21 39.9	2.512	3.426	8.2	21.4
5 1	15 42.30	−21 37.5	2.435	3.409	5.1	21.2
5 11	15 33.54	−21 29.3	2.385	3.391	1.8	21.0
5 21	15 24.27	−21 16.6	2.365	3.373	2.0	20.9
5 31	15 15.31	−21 1.2	2.375	3.354	5.3	21.1
6 10	15 7.43	−20 46.1	2.411	3.334	8.6	21.3
6 20	15 1.21	−20 33.7	2.473	3.314	11.4	21.5

299870 2006 SY_{292} 5 15.4 183°.53 3°.3/17.7 17

4 11	15 55.19	−30 29.9	2.577	3.383	11.6	21.4
4 21	15 49.56	−30 42.6	2.491	3.383	9.1	21.2
5 1	15 42.10	−30 44.1	2.428	3.383	6.5	21.1
5 11	15 33.47	−30 33.7	2.392	3.382	4.0	20.9
5 21	15 24.43	−30 12.0	2.384	3.382	3.5	20.9
5 31	15 15.87	−29 41.3	2.405	3.380	5.6	21.0
6 10	15 8.55	−29 5.5	2.453	3.379	8.3	21.2
6 20	15 3.03	−28 28.7	2.525	3.377	10.9	21.3

60195 1999 VM_{44} 5 15.4 280°.86 0°.8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 53.62	−23 2.0	1.866	2.712	13.7	19.1
4 21	15 48.86	−22 40.4	1.783	2.707	10.4	18.9
5 1	15 41.87	−22 8.2	1.723	2.701	6.5	18.6
5 11	15 33.42	−21 26.8	1.689	2.695	2.3	18.3
5 21	15 24.49	−20 39.3	1.681	2.689	2.4	18.3
5 31	15 16.15	−19 50.1	1.701	2.684	6.7	18.6
6 10	15 9.35	−19 4.5	1.745	2.678	10.6	18.8
6 20	15 4.73	−18 26.6	1.812	2.672	14.1	19.0

88540 2001 QP_{189} 5 15.4 169°.34 2°.5/17.2 17

4 11	15 56.71	−29 20.6	2.002	2.822	13.9	19.5
4 21	15 50.97	−28 45.7	1.921	2.826	10.8	19.3
5 1	15 43.04	−27 54.8	1.863	2.828	7.2	19.0
5 11	15 33.75	−26 48.8	1.831	2.830	3.6	18.8
5 21	15 24.13	−25 31.2	1.827	2.832	3.0	18.8
5 31	15 15.25	−24 7.5	1.851	2.833	6.3	19.0
6 10	15 8.00	−22 44.9	1.902	2.834	10.0	19.2
6 20	15 2.97	−21 29.3	1.977	2.834	13.2	19.4

499752 2011 BA_{100} 5 15.4 155°.00 0°.4/15.1 17

4 11	15 56.29	−19 46.2	2.232	3.070	12.1	22.3
4 21	15 50.31	−19 16.3	2.158	3.079	9.0	22.1
5 1	15 42.50	−18 39.4	2.109	3.087	5.4	21.9
5 11	15 33.57	−17 57.6	2.087	3.095	1.7	21.7
5 21	15 24.36	−17 14.0	2.095	3.102	2.3	21.7
5 31	15 15.76	−16 32.1	2.131	3.108	6.0	22.0
6 10	15 8.52	−15 55.8	2.194	3.113	9.4	22.2
6 20	15 3.16	−15 27.8	2.280	3.118	12.4	22.4

507053 2008 UM_{359} 5 15.4 273°.69 5°.2/13.3 18

4 11	16 2.14	− 3 12.9	2.158	2.988	12.7	21.1
4 21	15 55.10	− 3 13.6	2.048	2.956	10.0	20.9
5 1	15 45.75	− 3 21.7	1.962	2.924	7.2	20.6
5 11	15 34.70	− 3 40.5	1.904	2.891	5.3	20.4
5 21	15 22.79	− 4 12.0	1.875	2.857	6.1	20.4
5 31	15 11.09	− 4 57.2	1.876	2.823	9.0	20.5
6 10	15 0.60	− 5 55.7	1.903	2.787	12.4	20.7
6 20	14 52.11	− 7 6.1	1.954	2.751	15.6	20.8

200584 2001 QV_{163} 5 15.4 192°.48 0°.9/15.9 18

4 11	15 58.57	−23 16.9	1.699	2.541	15.0	20.4
4 21	15 52.72	−22 56.0	1.619	2.540	11.4	20.2
5 1	15 44.30	−22 23.2	1.562	2.538	7.1	19.9
5 11	15 34.20	−21 39.8	1.530	2.536	2.6	19.6
5 21	15 23.55	−20 49.0	1.525	2.533	2.7	19.6
5 31	15 13.63	−19 55.9	1.547	2.529	7.3	19.9
6 10	15 5.54	−19 6.6	1.594	2.525	11.6	20.1
6 20	14 59.97	−18 26.0	1.664	2.520	15.3	20.4

89073 2001 TC_{153} 5 15.4 221°.75 1°.6/14.5 18

4 11	15 56.59	−15 12.4	2.117	2.962	12.3	20.2
4 21	15 50.80	−14 58.4	2.028	2.953	9.2	20.0
5 1	15 42.97	−14 41.5	1.964	2.943	5.7	19.8
5 11	15 33.77	−14 23.3	1.927	2.933	2.1	19.5
5 21	15 24.07	−14 6.4	1.918	2.922	3.1	19.6
5 31	15 14.82	−13 53.4	1.938	2.911	6.9	19.8
6 10	15 6.90	−13 47.0	1.984	2.899	10.5	20.0
6 20	15 0.94	−13 49.1	2.052	2.887	13.7	20.1

83319 2001 RL_{124} 5 15.4 88°.92 4°.7/12.1 18

4 11	15 51.40	− 7 20.3	2.106	2.962	12.0	19.5
4 21	15 46.75	− 6 24.2	2.039	2.965	9.1	19.3
5 1	15 40.37	− 5 29.9	1.996	2.967	6.3	19.1
5 11	15 32.93	− 4 42.0	1.979	2.969	4.8	19.1
5 21	15 25.20	− 4 4.5	1.990	2.972	5.8	19.1
5 31	15 18.00	− 3 40.8	2.027	2.974	8.5	19.3
6 10	15 12.04	− 3 32.3	2.089	2.976	11.3	19.5
6 20	15 7.83	− 3 39.1	2.171	2.979	13.9	19.6

424815 2008 UK_{137} 5 15.4 182°.80 0°.7/15.8 17

4 11	15 55.67	−21 5.5	2.040	2.881	12.9	21.1
4 21	15 50.18	−21 9.2	1.960	2.881	9.7	20.9
5 1	15 42.60	−21 6.3	1.904	2.881	6.0	20.7
5 11	15 33.66	−20 57.1	1.875	2.881	2.1	20.4
5 21	15 24.25	−20 43.2	1.873	2.881	2.3	20.4
5 31	15 15.40	−20 27.4	1.899	2.880	6.2	20.7
6 10	15 7.99	−20 12.9	1.951	2.880	9.9	20.9
6 20	15 2.63	−20 2.8	2.026	2.879	13.1	21.1

36843 2000 SW_{116} 5 15.4 237°.54 0°.5/15.2 18

4 11	15 55.71	−18 19.2	1.921	2.770	13.3	18.8
4 21	15 50.35	−18 13.4	1.837	2.763	9.9	18.6
5 1	15 42.78	−18 2.4	1.777	2.757	6.1	18.3
5 11	15 33.73	−17 47.3	1.743	2.750	1.9	18.0
5 21	15 24.15	−17 30.3	1.736	2.743	2.6	18.1
5 31	15 15.09	−17 14.5	1.757	2.736	6.8	18.3
6 10	15 7.52	−17 3.0	1.803	2.729	10.8	18.5
6 20	15 2.08	−16 58.6	1.871	2.722	14.2	18.7

458730 2011 LA_{20} 5 15.4 239°.66 0°.9/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 45.23	−24 56.5	4.616	5.435	6.6	21.2
4 21	15 41.49	−24 41.6	4.524	5.431	5.0	21.1
5 1	15 36.91	−24 21.7	4.459	5.428	3.2	20.9
5 11	15 31.83	−23 57.5	4.422	5.425	1.4	20.8
5 21	15 26.60	−23 30.0	4.415	5.422	1.3	20.8
5 31	15 21.59	−23 0.7	4.438	5.418	3.0	20.9
6 10	15 17.14	−22 31.4	4.489	5.415	4.8	21.0
6 20	15 13.53	−22 3.6	4.566	5.411	6.5	21.2

410199 2007 RO_{163} 5 15.4 202°.96 1°.6/16.3 17

4 11	15 57.83	−24 41.3	1.621	2.464	15.6	21.8
4 21	15 52.33	−24 27.7	1.542	2.462	11.9	21.5
5 1	15 44.15	−24 0.9	1.484	2.460	7.6	21.3
5 11	15 34.18	−23 21.7	1.452	2.457	3.1	21.0
5 21	15 23.62	−22 32.8	1.446	2.453	2.9	20.9
5 31	15 13.82	−21 39.5	1.466	2.450	7.4	21.2
6 10	15 5.91	−20 48.4	1.511	2.445	11.8	21.5
6 20	15 0.62	−20 4.9	1.577	2.441	15.7	21.7

352551 2008 CB_{207} 5 15.4 170°.06 1°.9/16.8 17

4 11	15 53.34	−26 12.9	2.425	3.250	11.6	21.7
4 21	15 48.20	−26 9.8	2.342	3.251	8.9	21.5
5 1	15 41.28	−25 57.1	2.283	3.252	5.8	21.3
5 11	15 33.24	−25 35.2	2.252	3.253	2.8	21.1
5 21	15 24.84	−25 5.4	2.248	3.254	2.5	21.1
5 31	15 16.93	−24 30.8	2.273	3.254	5.4	21.3
6 10	15 10.27	−23 55.0	2.324	3.255	8.5	21.5
6 20	15 5.36	−23 21.7	2.400	3.255	11.3	21.7

272670 2005 XD 5 15.4 158°.71 5°.0/11.7 17

4 11	15 54.10	− 6 22.1	2.245	3.092	11.7	21.3
4 21	15 48.59	− 5 15.9	2.180	3.099	8.9	21.2
5 1	15 41.43	− 4 11.9	2.139	3.106	6.3	21.0
5 11	15 33.26	− 3 14.8	2.127	3.112	5.0	20.9
5 21	15 24.84	− 2 28.7	2.142	3.117	6.0	21.0
5 31	15 16.98	− 1 57.1	2.184	3.121	8.5	21.2
6 10	15 10.36	− 1 41.4	2.252	3.126	11.2	21.3
6 20	15 5.45	− 1 41.6	2.341	3.129	13.6	21.5

62403 2000 SL_{172} 5 15.4 206°.78 0°.5/15.8 18

4 11	15 52.84	−21 30.2	3.003	3.831	9.6	20.1
4 21	15 47.51	−21 26.8	2.911	3.825	7.2	20.0
5 1	15 40.75	−21 18.0	2.845	3.819	4.5	19.8
5 11	15 33.06	−21 4.5	2.807	3.813	1.6	19.6
5 21	15 25.06	−20 47.4	2.798	3.806	1.7	19.5
5 31	15 17.38	−20 28.8	2.820	3.799	4.6	19.7
6 10	15 10.65	−20 11.0	2.869	3.791	7.4	19.9
6 20	15 5.30	−19 56.3	2.943	3.783	9.8	20.1

134534 1999 RN_{69} 5 15.4 280°.00 5°.0/12.7 18

4 11	15 54.86	−10 1.5	1.563	2.428	14.9	20.1
4 21	15 50.21	− 9 4.4	1.473	2.406	11.4	19.9
5 1	15 42.96	− 8 4.9	1.406	2.383	7.7	19.6
5 11	15 33.87	− 7 8.7	1.362	2.360	5.1	19.4
5 21	15 23.97	− 6 21.8	1.345	2.336	6.6	19.4
5 31	15 14.54	− 5 50.1	1.353	2.313	10.6	19.5
6 10	15 6.75	− 5 37.2	1.383	2.289	14.8	19.7
6 20	15 1.41	− 5 44.3	1.432	2.265	18.6	19.9

138654 2000 RP_{77} 5 15.4 114°.81 4°.3/11.8 18

4 11	15 51.28	− 6 11.5	2.627	3.472	10.2	20.4
4 21	15 46.26	− 5 12.6	2.570	3.488	7.8	20.2
5 1	15 39.91	− 4 16.2	2.538	3.504	5.5	20.1
5 11	15 32.78	− 3 26.3	2.535	3.519	4.3	20.0
5 21	15 25.49	− 2 45.9	2.560	3.534	5.2	20.1
5 31	15 18.70	− 2 17.7	2.613	3.549	7.3	20.3
6 10	15 12.95	− 2 2.9	2.691	3.563	9.6	20.4
6 20	15 8.62	− 2 1.5	2.791	3.577	11.7	20.6

247791 2003 SK_{39} 5 15.4 221°.53 0°.5/15.1 17

4 11	15 57.53	−19 31.3	1.940	2.783	13.4	21.7
4 21	15 51.73	−19 6.5	1.850	2.773	10.1	21.5
5 1	15 43.65	−18 33.9	1.784	2.763	6.2	21.2
5 11	15 34.03	−17 55.2	1.744	2.752	1.9	20.9
5 21	15 23.86	−17 13.5	1.733	2.740	2.7	21.0
5 31	15 14.21	−16 32.9	1.749	2.727	7.0	21.2
6 10	15 6.07	−15 58.0	1.791	2.713	11.0	21.4
6 20	15 0.11	−15 32.2	1.855	2.699	14.5	21.6

64367 2001 UC_{109} 5 15.4 169°.73 0°.9/14.7 18

4 11	15 52.48	−17 18.9	2.573	3.414	10.5	20.5
4 21	15 47.35	−16 56.0	2.494	3.417	7.8	20.3
5 1	15 40.68	−16 28.9	2.440	3.419	4.7	20.1
5 11	15 33.06	−15 59.6	2.414	3.421	1.6	19.9
5 21	15 25.15	−15 30.2	2.417	3.423	2.3	19.9
5 31	15 17.69	−15 3.6	2.449	3.424	5.5	20.2
6 10	15 11.31	−14 42.2	2.508	3.425	8.5	20.4
6 20	15 6.49	−14 28.0	2.590	3.425	11.2	20.5

475117 2005 UN_{274} 5 15.4 240°.10 4°.0/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 55.85	−33 15.2	2.931	3.718	10.8	21.8
4 21	15 50.06	−33 39.8	2.826	3.702	8.7	21.6
5 1	15 42.47	−33 53.7	2.746	3.687	6.5	21.4
5 11	15 33.66	−33 55.3	2.692	3.671	4.5	21.3
5 21	15 24.33	−33 44.4	2.667	3.654	4.1	21.2
5 31	15 15.31	−33 22.4	2.670	3.637	5.6	21.3
6 10	15 7.37	−32 52.5	2.701	3.620	7.9	21.4
6 20	15 1.09	−32 18.7	2.757	3.602	10.3	21.5

434174 2002 TQ_{339} 5 15.4 235°.33 0°.4/15.2 17

4 11	15 54.64	−18 8.8	2.153	2.998	12.2	21.5
4 21	15 49.34	−18 6.9	2.069	2.993	9.1	21.3
5 1	15 42.08	−18 0.6	2.009	2.988	5.6	21.0
5 11	15 33.53	−17 50.8	1.976	2.983	1.7	20.8
5 21	15 24.52	−17 39.5	1.971	2.978	2.3	20.8
5 31	15 15.98	−17 29.0	1.993	2.972	6.2	21.0
6 10	15 8.75	−17 22.0	2.042	2.967	9.8	21.3
6 20	15 3.41	−17 20.9	2.114	2.961	12.9	21.4

138822 2000 UR_{23} 5 15.4 173°.95 0°.9/14.8 18

4 11	15 53.16	−16 0.0	2.982	3.818	9.4	21.1
4 21	15 47.67	−15 54.0	2.901	3.821	7.0	20.9
5 1	15 40.81	−15 45.7	2.845	3.823	4.2	20.8
5 11	15 33.09	−15 36.1	2.818	3.825	1.4	20.6
5 21	15 25.11	−15 26.8	2.821	3.826	2.1	20.6
5 31	15 17.49	−15 19.5	2.854	3.827	4.9	20.8
6 10	15 10.81	−15 15.9	2.914	3.827	7.6	21.0
6 20	15 5.49	−15 17.2	2.999	3.827	10.0	21.1

501600 2014 QT_{300} 5 15.4 315°.42 3°.9/13.9 17

4 11	15 53.62	−12 52.3	1.131	2.016	18.0	20.8
4 21	15 50.10	−12 23.3	1.053	1.997	13.6	20.5
5 1	15 43.29	−11 51.4	0.995	1.980	8.7	20.2
5 11	15 34.06	−11 21.4	0.958	1.963	4.3	19.9
5 21	15 23.79	−10 58.8	0.944	1.946	5.9	19.9
5 31	15 14.15	−10 49.3	0.952	1.930	11.2	20.1
6 10	15 6.71	−10 56.8	0.980	1.915	16.6	20.4
6 20	15 2.46	−11 22.4	1.025	1.901	21.3	20.6

158039 2000 SP_{76} 5 15.4 233°.57 6°.1/10.8 18

4 11	15 53.01	− 4 39.8	2.062	2.914	12.4	20.3
4 21	15 48.08	− 3 21.4	1.985	2.905	9.7	20.1
5 1	15 41.28	− 2 5.2	1.932	2.894	7.2	20.0
5 11	15 33.28	− 0 57.2	1.905	2.884	6.1	19.9
5 21	15 24.88	− 0 2.6	1.906	2.873	7.3	19.9
5 31	15 16.95	+ 0 34.3	1.933	2.862	9.9	20.1
6 10	15 10.29	+ 0 51.5	1.983	2.850	12.8	20.2
6 20	15 5.45	+ 0 49.3	2.054	2.838	15.4	20.4

222544 2001 UD_{219} 5 15.4 301°.82 1°.1/14.7 18

4 11	15 52.41	−20 47.5	1.584	2.444	15.0	19.5
4 21	15 48.31	−19 43.5	1.497	2.430	11.3	19.2
5 1	15 41.73	−18 25.8	1.433	2.416	6.9	18.9
5 11	15 33.47	−16 58.2	1.395	2.402	2.2	18.6
5 21	15 24.62	−15 27.1	1.382	2.389	3.4	18.6
5 31	15 16.40	−14 0.4	1.396	2.375	8.3	18.9
6 10	15 9.90	−12 45.6	1.434	2.362	12.8	19.1
6 20	15 5.81	−11 47.6	1.492	2.349	16.8	19.3

506238 2016 NE_{18} 5 15.4 289°.44 2°.4/14.2 17

4 11	15 54.05	−13 37.6	1.835	2.693	13.4	20.8
4 21	15 49.19	−13 19.8	1.751	2.682	10.0	20.6
5 1	15 42.13	−12 59.9	1.690	2.671	6.2	20.4
5 11	15 33.58	−12 40.5	1.655	2.660	2.8	20.1
5 21	15 24.47	−12 24.8	1.647	2.649	3.9	20.2
5 31	15 15.86	−12 15.7	1.665	2.638	7.8	20.4
6 10	15 8.70	−12 15.9	1.708	2.627	11.7	20.6
6 20	15 3.65	−12 26.8	1.772	2.617	15.1	20.8

334817 2003 SL_{320} 5 15.4 195°.82 2°.5/13.8 17

4 11	15 52.93	−14 29.3	1.985	2.840	12.6	20.9
4 21	15 48.07	−13 44.3	1.910	2.840	9.4	20.7
5 1	15 41.28	−12 55.4	1.859	2.839	5.8	20.5
5 11	15 33.28	−12 6.1	1.834	2.838	2.7	20.3
5 21	15 24.91	−11 20.5	1.837	2.837	3.9	20.3
5 31	15 17.10	−10 42.8	1.867	2.836	7.4	20.6
6 10	15 10.67	−10 16.2	1.922	2.835	10.9	20.8
6 20	15 6.17	−10 2.3	2.000	2.834	14.0	21.0

406544 2007 WT_{9} 5 15.4 148°.57 0°.4/15.6 16

4 11	15 59.30	−21 6.0	1.848	2.688	14.1	22.8
4 21	15 52.97	−20 58.6	1.777	2.697	10.6	22.6
5 1	15 44.33	−20 43.1	1.729	2.706	6.5	22.3
5 11	15 34.23	−20 20.5	1.708	2.714	2.1	22.1
5 21	15 23.73	−19 53.1	1.714	2.722	2.5	22.1
5 31	15 13.96	−19 24.5	1.748	2.729	6.8	22.4
6 10	15 5.90	−18 59.1	1.808	2.735	10.7	22.6
6 20	15 0.16	−18 40.4	1.890	2.740	14.1	22.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
508050 2015 BG_{536}			5 15.4 246°.88		0°.1/15.5 17	
	h m	° ′			°	m
4 11	15 56.76	−19 26.2	2.005	2.848	13.0	21.6
4 21	15 51.17	−19 30.2	1.913	2.836	9.8	21.4
5 1	15 43.34	−19 28.8	1.845	2.823	6.1	21.2
5 11	15 33.97	−19 22.4	1.803	2.811	1.9	20.9
5 21	15 23.98	−19 12.5	1.790	2.797	2.4	20.9
5 31	15 14.42	−19 1.7	1.804	2.784	6.6	21.1
6 10	15 6.29	−18 53.2	1.843	2.770	10.5	21.3
6 20	15 0.27	−18 49.7	1.906	2.756	14.0	21.5
60675 2000 GA_{12}			5 15.4 172°.70		0°.8/15.9 17	
4 11	15 57.39	−22 43.6	2.039	2.874	13.1	20.5
4 21	15 51.44	−22 31.6	1.960	2.878	9.9	20.3
5 1	15 43.37	−22 10.6	1.905	2.880	6.2	20.1
5 11	15 33.93	−21 41.4	1.876	2.882	2.2	19.8
5 21	15 24.08	−21 6.3	1.876	2.884	2.3	19.8
5 31	15 14.85	−20 29.0	1.903	2.884	6.3	20.1
6 10	15 7.14	−19 53.9	1.957	2.885	10.0	20.3
6 20	15 1.54	−19 24.8	2.034	2.884	13.2	20.5
391321 2006 TD_{86}			5 15.4 200°.87		0°.1/15.5 17	
4 11	15 52.27	−21 25.8	2.750	3.583	10.2	21.5
4 21	15 47.17	−20 55.5	2.662	3.580	7.6	21.3
5 1	15 40.57	−20 18.1	2.599	3.576	4.7	21.1
5 11	15 33.04	−19 35.4	2.564	3.571	1.5	20.9
5 21	15 25.22	−18 49.6	2.559	3.566	1.8	20.9
5 31	15 17.81	−18 4.0	2.583	3.561	5.0	21.1
6 10	15 11.44	−17 21.8	2.634	3.555	8.0	21.3
6 20	15 6.56	−16 45.7	2.710	3.549	10.6	21.5
159901 2004 TD_{345}			5 15.4 193°.10		0°.9/14.8 18	
4 11	15 54.55	−18 0.2	2.578	3.415	10.7	21.7
4 21	15 48.91	−17 29.9	2.492	3.413	7.9	21.5
5 1	15 41.66	−16 54.5	2.432	3.410	4.8	21.3
5 11	15 33.38	−16 15.7	2.399	3.406	1.6	21.1
5 21	15 24.79	−15 36.3	2.396	3.402	2.3	21.1
5 31	15 16.63	−14 59.3	2.423	3.397	5.6	21.3
6 10	15 9.60	−14 27.8	2.477	3.391	8.7	21.5
6 20	15 4.16	−14 4.0	2.554	3.385	11.4	21.7
37805 1997 YM_{10}			5 15.4 173°.82		4°.3/13.4 18	
4 11	15 58.01	− 9 2.7	1.725	2.579	14.3	18.7
4 21	15 52.07	− 8 31.9	1.655	2.582	10.8	18.5
5 1	15 43.82	− 8 2.8	1.608	2.583	7.1	18.3
5 11	15 34.09	− 7 39.4	1.587	2.585	4.5	18.2
5 21	15 23.91	− 7 25.3	1.593	2.586	5.6	18.2
5 31	15 14.41	− 7 23.5	1.626	2.586	9.1	18.4
6 10	15 6.58	− 7 35.4	1.682	2.586	12.7	18.6
6 20	15 1.02	− 8 0.8	1.760	2.585	16.0	18.9
6457 Kremsmünster			5 15.4 213°.77		1°.4/14.5 18	
4 11	15 53.28	−16 10.6	2.226	3.074	11.7	18.2
4 21	15 48.21	−15 47.4	2.145	3.071	8.7	18.0
5 1	15 41.34	−15 20.2	2.088	3.068	5.3	17.8
5 11	15 33.31	−14 51.2	2.058	3.064	1.9	17.5
5 21	15 24.90	−14 23.2	2.056	3.060	2.9	17.6
5 31	15 16.97	−13 59.1	2.082	3.056	6.4	17.8
6 10	15 10.27	−13 41.9	2.134	3.052	9.8	18.0
6 20	15 5.35	−13 33.3	2.209	3.048	12.7	18.2
438777 2008 UQ_{358}			5 15.4 279°.97		0°.7/14.9 18	
4 11	15 57.01	−28 11.9	1.008	1.875	21.1	20.5
4 21	15 52.91	−25 50.1	0.930	1.865	16.1	20.2
5 1	15 45.00	−22 47.0	0.873	1.856	9.9	19.8
5 11	15 34.57	−19 10.1	0.838	1.846	3.0	19.4
5 21	15 23.41	−15 17.3	0.829	1.837	4.6	19.4
5 31	15 13.51	−11 33.1	0.846	1.827	11.7	19.8
6 10	15 6.43	− 8 19.7	0.884	1.818	18.1	20.1
6 20	15 2.95	− 5 49.1	0.941	1.809	23.4	20.4
103191 1999 XE_{243}			5 15.4 128°.39		5°.1/18.6 18	
4 11	15 59.24	−34 35.7	2.339	3.127	13.1	19.9
4 21	15 52.81	−35 8.4	2.265	3.139	10.7	19.7
5 1	15 44.21	−35 26.9	2.213	3.151	8.0	19.6
5 11	15 34.22	−35 29.1	2.188	3.163	5.7	19.5
5 21	15 23.81	−35 14.9	2.189	3.174	5.1	19.4
5 31	15 14.04	−34 46.7	2.219	3.184	6.7	19.5
6 10	15 5.82	−34 9.1	2.275	3.195	9.1	19.7
6 20	14 59.75	−33 27.5	2.355	3.205	11.6	19.9
57411 2001 RC_{128}			5 15.4 158°.97		1°.0/15.9 18	
4 11	15 57.77	−22 16.5	1.975	2.812	13.4	20.0
4 21	15 51.80	−22 19.7	1.899	2.817	10.1	19.8
5 1	15 43.64	−22 14.9	1.846	2.822	6.4	19.6
5 11	15 34.05	−22 2.4	1.820	2.826	2.4	19.3
5 21	15 24.02	−21 43.9	1.821	2.829	2.4	19.3
5 31	15 14.62	−21 22.2	1.851	2.832	6.4	19.6
6 10	15 6.78	−21 1.3	1.906	2.835	10.1	19.8
6 20	15 1.11	−20 44.8	1.984	2.837	13.4	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
177927 2005 SP_{259}			5 15.4 304°.88		1°.7/16.3 18	
	h m	° ′			°	m
4 11	15 54.92	−23 24.0	2.174	3.009	12.4	20.1
4 21	15 49.66	−23 45.3	2.089	3.005	9.5	19.9
5 1	15 42.35	−23 59.5	2.028	3.000	6.1	19.7
5 11	15 33.67	−24 6.1	1.993	2.996	2.7	19.5
5 21	15 24.48	−24 5.8	1.985	2.992	2.5	19.4
5 31	15 15.74	−24 0.4	2.006	2.988	5.9	19.7
6 10	15 8.33	−23 52.9	2.053	2.984	9.4	19.9
6 20	15 2.89	−23 46.5	2.123	2.980	12.5	20.0
506862 2007 VU_{175}			5 15.4 245°.21		1°.4/14.5 17	
4 11	15 53.15	−16 11.3	2.151	3.001	12.0	21.9
4 21	15 48.21	−15 47.8	2.068	2.995	8.9	21.7
5 1	15 41.39	−15 20.2	2.008	2.989	5.5	21.4
5 11	15 33.35	−14 50.7	1.976	2.982	2.0	21.2
5 21	15 24.90	−14 22.1	1.971	2.976	2.9	21.2
5 31	15 16.91	−13 57.6	1.994	2.969	6.6	21.5
6 10	15 10.20	−13 40.2	2.043	2.962	10.1	21.7
6 20	15 5.31	−13 31.8	2.114	2.955	13.1	21.8
275211 2009 WW_{178}			5 15.4 239°.54		2°.2/16.6 18	
4 11	15 56.84	−25 47.7	2.032	2.861	13.4	21.3
4 21	15 51.29	−25 50.2	1.938	2.850	10.3	21.1
5 1	15 43.45	−25 41.8	1.868	2.837	6.8	20.8
5 11	15 34.04	−25 22.4	1.823	2.825	3.2	20.6
5 21	15 24.00	−24 53.1	1.806	2.812	2.9	20.5
5 31	15 14.46	−24 17.1	1.817	2.798	6.4	20.7
6 10	15 6.40	−23 39.2	1.853	2.785	10.2	20.9
6 20	15 0.52	−23 4.2	1.913	2.770	13.6	21.1
75660 2000 AG_{77}			5 15.4 113°.49		3°.1/13.8 18	
4 11	15 56.90	−12 42.0	1.706	2.562	14.3	19.0
4 21	15 51.17	−12 7.3	1.645	2.575	10.6	18.8
5 1	15 43.21	−11 31.0	1.608	2.587	6.7	18.6
5 11	15 33.90	−10 56.9	1.596	2.599	3.4	18.4
5 21	15 24.28	−10 28.7	1.611	2.610	4.5	18.5
5 31	15 15.44	−10 10.1	1.653	2.621	8.3	18.8
6 10	15 8.29	−10 3.5	1.719	2.632	12.0	19.0
6 20	15 3.41	−10 9.8	1.806	2.642	15.2	19.2
153756 2001 UF_{201}			5 15.4 120°.96		0°.5/15.1 17	
4 11	15 56.54	−19 33.9	2.007	2.851	13.0	21.3
4 21	15 50.65	−19 6.5	1.943	2.866	9.7	21.1
5 1	15 42.79	−18 32.2	1.902	2.881	5.8	20.9
5 11	15 33.75	−17 53.1	1.888	2.895	1.8	20.6
5 21	15 24.46	−17 12.4	1.902	2.909	2.5	20.7
5 31	15 15.88	−16 34.1	1.944	2.922	6.4	21.0
6 10	15 8.82	−16 1.9	2.013	2.935	10.0	21.2
6 20	15 3.80	−15 38.5	2.104	2.948	13.1	21.4
478312 2011 WU_{73}			5 15.4 163°.05		2°.5/17.4 17	
4 11	15 53.04	−28 53.8	2.585	3.400	11.3	21.7
4 21	15 47.92	−28 46.1	2.502	3.402	8.8	21.5
5 1	15 41.11	−28 27.5	2.442	3.404	6.0	21.4
5 11	15 33.24	−27 58.0	2.409	3.406	3.3	21.2
5 21	15 25.07	−27 19.4	2.405	3.407	2.8	21.2
5 31	15 17.39	−26 34.6	2.429	3.409	5.2	21.3
6 10	15 10.90	−25 47.5	2.480	3.410	8.0	21.5
6 20	15 6.10	−25 2.3	2.556	3.411	10.7	21.7
249042 2007 TO_{71}			5 15.4 199°.59		4°.2/13.3 17	
4 11	15 56.96	−10 7.8	1.694	2.551	14.3	20.7
4 21	15 51.39	− 9 27.4	1.621	2.549	10.8	20.5
5 1	15 43.47	− 8 47.0	1.570	2.547	7.1	20.2
5 11	15 34.03	− 8 10.9	1.545	2.544	4.4	20.1
5 21	15 24.09	− 7 43.6	1.547	2.540	5.6	20.1
5 31	15 14.80	− 7 28.7	1.575	2.537	9.2	20.3
6 10	15 7.16	− 7 28.6	1.627	2.532	13.0	20.5
6 20	15 1.82	− 7 43.6	1.699	2.528	16.3	20.7
385478 2003 WS_{8}			5 15.4 165°.92		2°.4/17.2 18	
4 11	15 55.24	−28 15.3	2.350	3.168	12.2	21.4
4 21	15 49.68	−28 6.0	2.268	3.171	9.4	21.2
5 1	15 42.23	−27 45.0	2.210	3.174	6.3	21.0
5 11	15 33.61	−27 12.5	2.179	3.177	3.3	20.8
5 21	15 24.64	−26 30.4	2.176	3.180	2.8	20.8
5 31	15 16.23	−25 41.9	2.201	3.182	5.6	21.0
6 10	15 9.18	−24 51.9	2.253	3.183	8.7	21.2
6 20	15 4.01	−24 4.6	2.330	3.185	11.6	21.4
328322 2008 JX_{13}			5 15.4 333°.23		3°.9/13.3 18	
4 11	15 52.44	−12 30.5	1.475	2.347	15.2	19.7
4 21	15 48.35	−11 39.1	1.403	2.341	11.5	19.5
5 1	15 41.76	−10 44.4	1.353	2.335	7.3	19.2
5 11	15 33.52	− 9 51.8	1.327	2.329	4.1	19.0
5 21	15 24.73	− 9 6.8	1.326	2.324	5.6	19.1
5 31	15 16.63	− 8 34.9	1.350	2.319	9.7	19.3
6 10	15 10.28	− 8 19.6	1.396	2.315	13.8	19.5
6 20	15 6.36	− 8 21.9	1.462	2.311	17.5	19.8

198404 2004 VW_{56} 5 15.4 199°.38 1°.8/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 56.95	−25 24.7	2.481	3.301	11.6	21.9
4 21	15 50.92	−25 29.9	2.391	3.297	8.9	21.7
5 1	15 43.02	−25 26.5	2.324	3.292	5.8	21.5
5 11	15 33.88	−25 14.3	2.286	3.287	2.7	21.3
5 21	15 24.30	−24 54.1	2.276	3.281	2.4	21.2
5 31	15 15.16	−24 28.5	2.295	3.275	5.5	21.4
6 10	15 7.26	−24 0.9	2.342	3.268	8.6	21.6
6 20	15 1.18	−23 35.0	2.413	3.260	11.5	21.8

170698 2004 BD_{23} 5 15.4 338°.80 1°.8/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.63	−15 21.7	1.920	2.777	12.9	20.0
4 21	15 47.99	−14 58.1	1.844	2.775	9.6	19.8
5 1	15 41.32	−14 30.8	1.791	2.772	5.9	19.5
5 11	15 33.36	−14 2.5	1.764	2.770	2.3	19.3
5 21	15 24.97	−13 36.4	1.764	2.768	3.3	19.4
5 31	15 17.13	−13 15.8	1.791	2.766	7.2	19.6
6 10	15 10.69	−13 3.6	1.843	2.765	10.8	19.8
6 20	15 6.24	−13 1.6	1.917	2.763	14.0	20.0

385482 2003 WK_{81} 5 15.4 195°.37 1°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.78	−26 19.6	2.596	3.415	11.1	21.9
4 21	15 49.19	−26 1.6	2.506	3.412	8.5	21.7
5 1	15 41.89	−25 33.6	2.441	3.409	5.6	21.5
5 11	15 33.51	−24 56.2	2.403	3.405	2.6	21.3
5 21	15 24.79	−24 11.3	2.394	3.401	2.2	21.3
5 31	15 16.54	−23 22.2	2.415	3.396	5.2	21.5
6 10	15 9.48	−22 32.9	2.463	3.390	8.2	21.7
6 20	15 4.11	−21 47.2	2.536	3.384	11.0	21.9

342168 2008 SC_{165} 5 15.4 324°.15 14°.8/15.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.42	−42 38.4	1.476	2.248	20.2	19.8
4 21	16 3.81	−45 45.4	1.385	2.225	18.1	19.6
5 1	15 53.15	−48 41.4	1.315	2.202	16.1	19.4
5 11	15 37.69	−51 11.5	1.267	2.180	14.9	19.2
5 21	15 18.85	−53 1.6	1.241	2.159	15.0	19.2
5 31	14 59.35	−54 3.9	1.238	2.139	16.4	19.2
6 10	14 42.41	−54 22.2	1.255	2.120	18.7	19.3
6 20	14 30.45	−54 8.4	1.288	2.102	21.3	19.4

170995 Ritajoewright 5 15.4 145°.91 3°.3/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.55	−29 4.3	1.922	2.739	14.5	21.0
4 21	15 53.99	−29 9.5	1.849	2.750	11.3	20.8
5 1	15 45.01	−29 0.7	1.799	2.761	7.7	20.6
5 11	15 34.50	−28 37.2	1.774	2.770	4.3	20.4
5 21	15 23.59	−28 0.4	1.777	2.779	3.7	20.4
5 31	15 13.46	−27 14.3	1.808	2.787	6.7	20.6
6 10	15 5.13	−26 24.8	1.865	2.795	10.2	20.8
6 20	14 59.23	−25 37.6	1.944	2.801	13.4	21.1

475489 2006 SF_{258} 5 15.4 206°.88 0°.2/15.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.16	−20 59.3	2.718	3.551	10.3	23.3
4 21	15 47.90	−20 45.7	2.629	3.546	7.7	23.1
5 1	15 41.08	−20 26.1	2.564	3.540	4.8	22.9
5 11	15 33.26	−20 1.5	2.528	3.534	1.5	22.7
5 21	15 25.11	−19 33.7	2.520	3.528	1.8	22.7
5 31	15 17.34	−19 5.2	2.542	3.521	5.0	22.9
6 10	15 10.61	−18 38.9	2.591	3.514	8.0	23.1
6 20	15 5.40	−18 17.3	2.665	3.506	10.7	23.2

64806 2001 XR_{212} 5 15.4 305°.30 5°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.65	−11 7.9	1.264	2.142	16.8	18.7
4 21	15 49.77	−10 14.5	1.186	2.126	12.8	18.4
5 1	15 42.92	− 9 18.1	1.128	2.110	8.4	18.1
5 11	15 33.97	− 8 25.2	1.093	2.094	5.2	17.8
5 21	15 24.16	− 7 42.5	1.082	2.078	6.8	17.9
5 31	15 15.00	− 7 16.4	1.094	2.063	11.4	18.1
6 10	15 7.82	− 7 11.0	1.127	2.049	16.1	18.3
6 20	15 3.50	− 7 26.8	1.178	2.034	20.3	18.5

101644 1999 CC_{52} 5 15.4 115°.13 0°.6/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.57	−20 50.3	1.876	2.717	13.9	19.6
4 21	15 52.39	−20 55.1	1.810	2.731	10.4	19.4
5 1	15 43.98	−20 52.8	1.767	2.744	6.4	19.2
5 11	15 34.18	−20 44.0	1.751	2.757	2.2	19.0
5 21	15 24.01	−20 30.4	1.762	2.770	2.4	19.0
5 31	15 14.59	−20 14.9	1.801	2.782	6.5	19.3
6 10	15 6.82	−20 1.2	1.866	2.794	10.3	19.5
6 20	15 1.31	−19 52.4	1.953	2.806	13.6	19.8

460585 2014 US_{18} 5 15.4 1°.92 3°.0/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.06	−16 14.2	1.331	2.206	16.4	20.8
4 21	15 48.99	−15 9.7	1.265	2.205	12.2	20.6
5 1	15 42.21	−13 56.7	1.220	2.205	7.5	20.3
5 11	15 33.68	−12 41.1	1.199	2.205	3.3	20.0
5 21	15 24.64	−11 30.1	1.203	2.205	5.0	20.1
5 31	15 16.45	−10 31.0	1.231	2.206	9.7	20.4
6 10	15 10.24	− 9 49.4	1.281	2.207	14.2	20.7
6 20	15 6.67	− 9 27.6	1.351	2.209	18.1	20.9

506680 2006 SE_{407} 5 15.4 123°.57 0°.8/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 52.93	−17 28.9	2.263	3.110	11.6	21.9
4 21	15 47.91	−17 12.6	2.188	3.113	8.6	21.8
5 1	15 41.16	−16 51.9	2.136	3.116	5.2	21.5
5 11	15 33.30	−16 28.6	2.112	3.119	1.7	21.3
5 21	15 25.12	−16 5.0	2.116	3.122	2.4	21.4
5 31	15 17.44	−15 44.1	2.148	3.125	6.0	21.6
6 10	15 10.99	−15 28.4	2.206	3.128	9.3	21.8
6 20	15 6.29	−15 20.0	2.288	3.131	12.2	22.0

380588 2004 RY_{250} 5 15.4 186°.31 1°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.41	−26 53.2	2.122	2.948	13.0	20.8
4 21	15 49.95	−26 17.3	2.038	2.948	10.0	20.6
5 1	15 42.47	−25 28.0	1.978	2.948	6.4	20.4
5 11	15 33.71	−24 26.7	1.944	2.947	2.8	20.2
5 21	15 24.61	−23 16.6	1.939	2.946	2.4	20.2
5 31	15 16.14	−22 2.7	1.962	2.944	6.0	20.4
6 10	15 9.14	−20 51.1	2.012	2.942	9.6	20.6
6 20	15 4.17	−19 46.7	2.086	2.940	12.8	20.8

332081 2005 TA_{138} 5 15.4 158°.76 5°.6/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.68	− 7 21.3	1.893	2.750	13.1	21.3
4 21	15 48.63	− 5 57.3	1.828	2.753	10.0	21.2
5 1	15 41.64	− 4 34.3	1.787	2.757	7.1	21.0
5 11	15 33.46	− 3 18.4	1.773	2.760	5.6	20.9
5 21	15 24.97	− 2 15.4	1.786	2.762	6.9	21.0
5 31	15 17.11	− 1 30.0	1.825	2.765	9.7	21.2
6 10	15 10.68	− 1 4.3	1.888	2.767	12.8	21.3
6 20	15 6.20	− 0 58.3	1.970	2.768	15.5	21.5

338700 2003 UL_{32} 5 15.4 287°.47 1°.6/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.43	−23 23.7	1.914	2.755	13.6	21.1
4 21	15 50.26	−23 33.1	1.832	2.751	10.4	20.9
5 1	15 42.82	−23 33.8	1.774	2.748	6.6	20.6
5 11	15 33.88	−23 25.9	1.741	2.745	2.8	20.4
5 21	15 24.39	−23 10.5	1.735	2.742	2.6	20.4
5 31	15 15.46	−22 50.5	1.756	2.739	6.5	20.6
6 10	15 8.07	−22 30.1	1.803	2.736	10.3	20.8
6 20	15 2.87	−22 12.9	1.872	2.733	13.7	21.0

285806 2000 YV_{41} 5 15.4 178°.07 6°.1/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.04	−39 4.7	2.129	2.905	14.6	20.2
4 21	15 52.21	−39 6.0	2.044	2.906	12.2	20.0
5 1	15 43.97	−38 47.2	1.980	2.907	9.5	19.8
5 11	15 34.21	−38 6.2	1.941	2.907	7.1	19.7
5 21	15 24.02	−37 4.0	1.928	2.907	6.2	19.6
5 31	15 14.60	−35 44.7	1.942	2.907	7.5	19.7
6 10	15 6.96	−34 15.5	1.982	2.907	10.0	19.8
6 20	15 1.71	−32 44.0	2.045	2.906	12.7	20.0

216449 2009 GG_{1} 5 15.4 349°.48 0°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.64	−18 45.2	1.846	2.703	13.3	20.3
4 21	15 47.41	−18 35.9	1.768	2.698	10.0	20.0
5 1	15 41.06	−18 20.7	1.713	2.694	6.1	19.8
5 11	15 33.32	−18 1.2	1.683	2.690	1.9	19.5
5 21	15 25.10	−17 40.1	1.680	2.687	2.6	19.5
5 31	15 17.43	−17 20.5	1.703	2.685	6.8	19.8
6 10	15 11.21	−17 5.9	1.751	2.683	10.7	20.0
6 20	15 7.07	−16 58.9	1.821	2.681	14.0	20.2

254242 2004 RC_{143} 5 15.4 276°.06 3°.7/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.41	−10 47.9	2.474	3.326	10.6	20.6
4 21	15 45.98	− 9 32.6	2.380	3.306	8.0	20.4
5 1	15 39.98	− 8 14.2	2.312	3.287	5.3	20.2
5 11	15 32.95	− 6 57.0	2.273	3.267	3.7	20.1
5 21	15 25.56	− 5 45.7	2.262	3.248	4.9	20.1
5 31	15 18.51	− 4 44.9	2.279	3.228	7.6	20.3
6 10	15 12.48	− 3 57.7	2.322	3.207	10.4	20.4
6 20	15 7.95	− 3 25.8	2.387	3.187	13.0	20.6

107590 2001 DX_{101} 5 15.4 121°.58 1°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.98	−21 37.5	1.598	2.446	15.5	19.5
4 21	15 53.17	−21 49.2	1.528	2.452	11.7	19.3
5 1	15 44.69	−21 52.5	1.480	2.457	7.3	19.0
5 11	15 34.47	−21 47.5	1.457	2.463	2.7	18.8
5 21	15 23.69	−21 35.7	1.460	2.468	2.8	18.8
5 31	15 13.70	−21 20.3	1.490	2.473	7.4	19.1
6 10	15 5.62	−21 5.8	1.544	2.478	11.7	19.3
6 20	15 0.17	−20 56.2	1.620	2.483	15.4	19.6

26932 1997 EY_{2} 5 15.4 76°.92 2°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.71	−15 8.3	1.273	2.144	17.3	18.5
4 21	15 52.52	−14 41.0	1.214	2.151	12.9	18.2
5 1	15 44.38	−14 9.2	1.176	2.159	7.9	18.0
5 11	15 34.37	−13 36.7	1.160	2.166	3.2	17.7
5 21	15 23.85	−13 8.2	1.170	2.174	4.5	17.8
5 31	15 14.33	−12 48.5	1.204	2.182	9.4	18.1
6 10	15 7.00	−12 41.3	1.260	2.189	14.1	18.4
6 20	15 2.57	−12 48.1	1.335	2.197	18.1	18.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
300890 2008 BC_{12}			5 15.4 194°.16	4°.1/18.4 18		
	h m	° ′			°	m
4 11	15 54.96	−33 14.8	2.458	3.256	12.3	21.2
4 21	15 49.57	−33 22.4	2.371	3.255	9.9	21.0
5 1	15 42.24	−33 16.4	2.307	3.254	7.2	20.8
5 11	15 33.67	−32 55.9	2.269	3.252	4.9	20.7
5 21	15 24.69	−32 21.6	2.258	3.250	4.2	20.6
5 31	15 16.23	−31 36.4	2.275	3.249	6.0	20.7
6 10	15 9.11	−30 44.8	2.319	3.246	8.6	20.9
6 20	15 3.90	−29 51.8	2.387	3.244	11.3	21.0
432309 2009 TB_{11}			5 15.4 149°.55	0°.4/15.2 17		
4 11	15 56.77	−18 37.3	2.313	3.150	11.7	22.1
4 21	15 50.68	−18 24.3	2.240	3.160	8.7	21.9
5 1	15 42.80	−18 6.2	2.192	3.170	5.3	21.7
5 11	15 33.82	−17 44.4	2.172	3.179	1.6	21.5
5 21	15 24.54	−17 21.0	2.180	3.187	2.2	21.6
5 31	15 15.82	−16 58.8	2.218	3.195	5.8	21.8
6 10	15 8.42	−16 40.7	2.282	3.202	9.1	22.0
6 20	15 2.84	−16 29.0	2.370	3.208	12.0	22.2
502851 2015 DK_{175}			5 15.4 209°.48	4°.9/18.9 18		
4 11	15 57.03	−35 15.2	2.097	2.893	14.2	21.4
4 21	15 51.43	−35 8.9	2.008	2.889	11.5	21.2
5 1	15 43.50	−34 44.4	1.942	2.886	8.5	21.0
5 11	15 34.08	−34 0.5	1.900	2.881	5.8	20.9
5 21	15 24.20	−32 58.5	1.885	2.877	5.0	20.8
5 31	15 15.00	−31 42.8	1.898	2.873	6.9	20.9
6 10	15 7.46	−30 20.1	1.937	2.868	9.9	21.1
6 20	15 2.22	−28 57.7	2.000	2.862	12.9	21.2
429179 2009 VE_{96}			5 15.4 125°.89	0°.1/15.5 18		
4 11	15 58.00	−19 0.4	1.938	2.781	13.4	20.9
4 21	15 51.97	−19 11.2	1.867	2.789	10.0	20.7
5 1	15 43.76	−19 17.0	1.819	2.797	6.1	20.5
5 11	15 34.15	−19 18.3	1.798	2.805	1.9	20.2
5 21	15 24.12	−19 16.4	1.804	2.812	2.4	20.3
5 31	15 14.72	−19 13.5	1.839	2.819	6.5	20.6
6 10	15 6.89	−19 12.5	1.899	2.826	10.3	20.8
6 20	15 1.22	−19 15.9	1.982	2.833	13.5	21.0
240623 2004 XY_{121}			5 15.4 133°.89	1°.6/14.7 18		
4 11	15 56.33	−14 38.5	2.048	2.896	12.6	20.2
4 21	15 50.58	−14 35.1	1.976	2.902	9.4	20.0
5 1	15 42.85	−14 29.9	1.929	2.908	5.7	19.8
5 11	15 33.86	−14 24.5	1.908	2.914	2.2	19.6
5 21	15 24.50	−14 20.7	1.915	2.919	3.0	19.6
5 31	15 15.71	−14 20.7	1.950	2.925	6.7	19.9
6 10	15 8.34	−14 26.6	2.011	2.930	10.2	20.1
6 20	15 2.94	−14 39.6	2.095	2.934	13.3	20.3
504552 2008 SK_{260}			5 15.4 231°.37	0°.9/16.0 17		
4 11	15 54.33	−23 24.9	1.979	2.819	13.3	22.1
4 21	15 49.32	−23 3.1	1.895	2.815	10.0	21.9
5 1	15 42.18	−22 30.9	1.835	2.812	6.3	21.6
5 11	15 33.67	−21 49.6	1.801	2.807	2.3	21.4
5 21	15 24.72	−21 2.1	1.795	2.803	2.3	21.4
5 31	15 16.34	−20 12.6	1.816	2.799	6.4	21.6
6 10	15 9.43	−19 26.2	1.863	2.794	10.2	21.8
6 20	15 4.61	−18 46.9	1.932	2.789	13.5	22.0
168830 2000 SK_{334}			5 15.4 225°.13	4°.2/13.1 16		
4 11	15 56.22	−11 15.9	1.653	2.513	14.5	20.8
4 21	15 50.96	−10 20.8	1.576	2.506	11.0	20.6
5 1	15 43.30	− 9 23.2	1.521	2.499	7.1	20.3
5 11	15 34.05	− 8 28.4	1.492	2.491	4.4	20.1
5 21	15 24.25	− 7 41.7	1.489	2.483	5.7	20.2
5 31	15 15.07	− 7 8.1	1.513	2.475	9.5	20.4
6 10	15 7.55	− 6 51.0	1.560	2.466	13.4	20.6
6 20	15 2.37	− 6 51.2	1.627	2.456	16.9	20.8
502794 2015 DJ_{102}			5 15.4 49°.95	0°.6/15.7 17		
4 11	15 56.78	−20 10.1	1.649	2.501	14.9	21.0
4 21	15 51.45	−20 22.0	1.580	2.506	11.2	20.8
5 1	15 43.61	−20 27.3	1.532	2.512	6.9	20.5
5 11	15 34.15	−20 26.4	1.510	2.517	2.3	20.3
5 21	15 24.17	−20 20.7	1.514	2.522	2.6	20.3
5 31	15 14.90	−20 13.2	1.545	2.528	7.2	20.6
6 10	15 7.42	−20 7.4	1.600	2.534	11.3	20.8
6 20	15 2.40	−20 6.5	1.676	2.540	14.9	21.1
492288 2013 YP_{49}			5 15.4 214°.21	1°.0/16.2 17		
4 11	15 55.07	−23 46.6	2.322	3.152	11.9	22.6
4 21	15 49.62	−23 31.3	2.231	3.146	9.0	22.4
5 1	15 42.28	−23 6.9	2.165	3.139	5.7	22.2
5 11	15 33.71	−22 34.2	2.126	3.131	2.2	22.0
5 21	15 24.71	−21 55.2	2.116	3.123	2.1	21.9
5 31	15 16.18	−21 13.4	2.134	3.115	5.7	22.2
6 10	15 8.93	−20 32.8	2.179	3.106	9.1	22.4
6 20	15 3.51	−19 57.1	2.248	3.097	12.1	22.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
513340 2007 PC_{49}			5 15.4 260°.23	2°.3/16.8 18		
	h m	° ′			°	m
4 11	15 56.64	−26 31.5	2.403	3.221	11.9	22.6
4 21	15 50.98	−26 37.1	2.292	3.197	9.3	22.3
5 1	15 43.25	−26 33.0	2.206	3.172	6.2	22.1
5 11	15 34.06	−26 18.6	2.147	3.146	3.1	21.9
5 21	15 24.21	−25 54.6	2.116	3.120	2.8	21.8
5 31	15 14.66	−25 23.4	2.113	3.093	5.8	21.9
6 10	15 6.32	−24 48.8	2.138	3.066	9.3	22.1
6 20	14 59.86	−24 15.1	2.187	3.038	12.4	22.3
131632 2001 XT_{66}			5 15.4 130°.11	2°.0/16.5 18		
4 11	15 58.96	−25 45.7	1.578	2.418	16.1	19.8
4 21	15 53.16	−25 32.7	1.509	2.427	12.3	19.6
5 1	15 44.66	−25 5.5	1.462	2.436	7.9	19.3
5 11	15 34.46	−24 24.9	1.440	2.444	3.4	19.1
5 21	15 23.82	−23 33.8	1.444	2.451	3.0	19.1
5 31	15 14.08	−22 37.9	1.475	2.459	7.4	19.3
6 10	15 6.35	−21 44.0	1.530	2.465	11.6	19.6
6 20	15 1.31	−20 57.7	1.607	2.472	15.4	19.8
240256 2002 VJ_{52}			5 15.4 192°.69	0°.9/14.9 18		
4 11	15 55.61	−15 55.5	2.392	3.233	11.3	20.6
4 21	15 49.88	−15 57.5	2.309	3.232	8.4	20.4
5 1	15 42.39	−15 57.1	2.252	3.230	5.1	20.2
5 11	15 33.74	−15 55.5	2.221	3.228	1.7	20.0
5 21	15 24.70	−15 53.9	2.220	3.226	2.4	20.0
5 31	15 16.09	−15 54.3	2.248	3.223	5.9	20.3
6 10	15 8.66	−15 58.5	2.302	3.220	9.1	20.5
6 20	15 2.96	−16 8.1	2.380	3.217	12.0	20.6
78071 Vicent			5 15.4 273°.39	2°.4/13.9 18		
4 11	15 52.87	−14 45.1	1.919	2.776	12.9	19.7
4 21	15 48.22	−14 2.8	1.837	2.768	9.6	19.5
5 1	15 41.53	−13 16.0	1.778	2.759	6.0	19.2
5 11	15 33.50	−12 28.3	1.746	2.750	2.7	19.0
5 21	15 25.00	−11 43.7	1.741	2.742	3.9	19.1
5 31	15 17.02	−11 6.6	1.762	2.733	7.6	19.3
6 10	15 10.43	−10 40.4	1.809	2.725	11.3	19.5
6 20	15 5.84	−10 27.3	1.877	2.716	14.6	19.7
380597 2004 SB_{4}			5 15.5 265°.34	4°.5/13.5 18		
4 11	15 57.54	− 6 46.5	1.898	2.747	13.4	20.4
4 21	15 51.80	− 6 35.8	1.809	2.731	10.3	20.1
5 1	15 43.81	− 6 29.5	1.744	2.715	7.0	19.9
5 11	15 34.25	− 6 30.9	1.704	2.699	4.7	19.7
5 21	15 24.04	− 6 42.5	1.692	2.683	5.6	19.7
5 31	15 14.26	− 7 6.2	1.707	2.666	8.9	19.9
6 10	15 5.88	− 7 42.5	1.747	2.649	12.4	20.1
6 20	14 59.63	− 8 30.8	1.809	2.632	15.7	20.2
293420 2007 EQ_{111}			5 15.5 20°.72	1°.6/16.1 17		
4 11	15 55.69	−22 17.2	1.456	2.314	16.2	19.9
4 21	15 50.96	−22 37.3	1.390	2.318	12.3	19.7
5 1	15 43.46	−22 48.4	1.345	2.323	7.8	19.4
5 11	15 34.14	−22 50.3	1.323	2.329	3.1	19.2
5 21	15 24.23	−22 44.1	1.327	2.335	3.0	19.2
5 31	15 15.12	−22 33.1	1.356	2.341	7.6	19.5
6 10	15 8.00	−22 22.0	1.408	2.349	12.1	19.7
6 20	15 3.59	−22 14.7	1.481	2.357	15.9	20.0
193159 2000 KL_{7}			5 15.5 15°.32	4°.3/13.9 18		
4 11	15 54.50	−11 40.6	1.079	1.965	18.5	19.4
4 21	15 50.54	−11 13.8	1.023	1.967	13.9	19.1
5 1	15 43.38	−10 47.1	0.986	1.971	8.9	18.8
5 11	15 34.14	−10 25.6	0.971	1.975	4.7	18.6
5 21	15 24.28	−10 14.2	0.979	1.980	6.1	18.7
5 31	15 15.43	−10 17.1	1.009	1.986	10.9	19.0
6 10	15 8.94	−10 36.2	1.059	1.993	15.7	19.3
6 20	15 5.55	−11 11.0	1.127	2.001	19.9	19.6
280394 2003 UA_{269}			5 15.5 306°.05	0°.4/15.7 17		
4 11	15 53.09	−21 35.6	1.678	2.533	14.6	20.7
4 21	15 48.95	−21 20.3	1.582	2.511	11.1	20.4
5 1	15 42.28	−20 54.9	1.508	2.488	6.9	20.1
5 11	15 33.81	−20 20.6	1.459	2.466	2.3	19.7
5 21	15 24.57	−19 40.1	1.435	2.444	2.7	19.7
5 31	15 15.77	−18 58.0	1.438	2.422	7.5	20.0
6 10	15 8.57	−18 19.8	1.465	2.401	12.0	20.2
6 20	15 3.76	−17 50.1	1.512	2.380	16.0	20.4
406911 2009 EE_{21}			5 15.5 95°.19	1°.4/14.9 17		
4 11	15 59.20	−15 45.1	1.457	2.317	16.1	20.7
4 21	15 53.41	−15 46.3	1.393	2.324	12.0	20.5
5 1	15 44.88	−15 44.3	1.350	2.332	7.3	20.2
5 11	15 34.57	−15 40.8	1.332	2.339	2.5	19.9
5 21	15 23.74	−15 38.0	1.340	2.347	3.5	20.0
5 31	15 13.77	−15 38.9	1.374	2.354	8.3	20.3
6 10	15 5.81	−15 46.2	1.432	2.361	12.8	20.6
6 20	15 0.57	−16 1.9	1.510	2.369	16.5	20.9

336925 2011 HG_{54} 5 15.5 320.°03 5.°6/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 52.64	− 6 53.0	1.739	2.602	13.8	20.8
4 21	15 48.12	− 5 54.9	1.669	2.598	10.6	20.6
5 1	15 41.49	− 4 59.2	1.622	2.594	7.5	20.4
5 11	15 33.49	− 4 11.3	1.601	2.591	5.7	20.2
5 21	15 25.07	− 3 36.3	1.605	2.587	6.9	20.3
5 31	15 17.24	− 3 18.0	1.634	2.584	9.9	20.5
6 10	15 10.90	− 3 18.2	1.687	2.581	13.2	20.7
6 20	15 6.64	− 3 36.3	1.759	2.578	16.2	20.9

220412 2003 SL_{128} 5 15.5 191.°62 2.°2/17.3 18

4 11	15 52.52	−28 3.5	3.048	3.858	9.9	21.0
4 21	15 47.38	−28 9.3	2.959	3.857	7.7	20.8
5 1	15 40.77	−28 6.6	2.895	3.855	5.2	20.7
5 11	15 33.24	−27 55.4	2.858	3.854	2.9	20.5
5 21	15 25.39	−27 36.5	2.850	3.852	2.5	20.5
5 31	15 17.90	−27 11.8	2.871	3.850	4.6	20.6
6 10	15 11.38	−26 44.1	2.920	3.847	7.1	20.8
6 20	15 6.31	−26 16.4	2.994	3.845	9.4	20.9

80090 1999 LR_{3} 5 15.5 172.°67 1.°3/14.6 18

4 11	15 53.08	−15 53.9	2.259	3.107	11.6	19.8
4 21	15 48.06	−15 36.5	2.181	3.107	8.6	19.6
5 1	15 41.29	−15 15.9	2.128	3.108	5.2	19.4
5 11	15 33.41	−14 53.9	2.102	3.108	1.9	19.2
5 21	15 25.18	−14 32.9	2.104	3.109	2.8	19.3
5 31	15 17.43	−14 15.8	2.134	3.109	6.2	19.5
6 10	15 10.90	−14 4.9	2.190	3.109	9.5	19.7
6 20	15 6.11	−14 1.9	2.269	3.109	12.4	19.9

346005 2007 TQ_{216} 5 15.5 200.°93 1.°9/16.7 18

4 11	15 56.32	−25 33.4	2.680	3.497	10.9	22.3
4 21	15 50.40	−25 47.4	2.589	3.493	8.4	22.2
5 1	15 42.72	−25 53.7	2.522	3.488	5.5	22.0
5 11	15 33.88	−25 51.8	2.483	3.483	2.7	21.8
5 21	15 24.62	−25 42.4	2.473	3.478	2.4	21.7
5 31	15 15.74	−25 27.2	2.492	3.471	5.1	21.9
6 10	15 7.99	−25 9.3	2.539	3.465	8.1	22.1
6 20	15 1.91	−24 51.7	2.611	3.458	10.7	22.3

450803 2007 TE_{432} 5 15.5 220.°84 0.°5/16.0 17

4 11	15 48.95	−22 24.3	3.744	4.569	7.9	22.6
4 21	15 44.47	−22 13.4	3.650	4.562	5.9	22.5
5 1	15 38.90	−21 57.5	3.581	4.554	3.7	22.3
5 11	15 32.65	−21 37.4	3.541	4.546	1.4	22.1
5 21	15 26.17	−21 14.2	3.530	4.538	1.4	22.1
5 31	15 19.94	−20 49.8	3.550	4.530	3.7	22.3
6 10	15 14.42	−20 26.1	3.598	4.521	6.0	22.4
6 20	15 9.97	−20 4.9	3.671	4.512	8.0	22.6

178107 2006 SL_{300} 5 15.5 280.°65 4.°0/13.6 18

4 11	15 55.71	−11 7.4	1.559	2.423	15.0	20.7
4 21	15 50.89	−10 34.7	1.474	2.406	11.4	20.5
5 1	15 43.47	−10 1.0	1.410	2.390	7.4	20.2
5 11	15 34.20	− 9 30.5	1.371	2.373	4.2	19.9
5 21	15 24.18	− 9 7.6	1.358	2.356	5.5	20.0
5 31	15 14.67	− 8 56.6	1.370	2.339	9.6	20.2
6 10	15 6.85	− 9 0.2	1.406	2.322	13.9	20.4
6 20	15 1.49	− 9 19.3	1.461	2.304	17.8	20.6

432684 2011 BT_{39} 5 15.5 229.°73 1.°3/16.2 17

4 11	15 57.98	−23 43.8	2.107	2.937	13.0	22.1
4 21	15 52.09	−23 40.5	2.011	2.925	9.9	21.9
5 1	15 43.97	−23 27.9	1.939	2.911	6.3	21.6
5 11	15 34.32	−23 6.2	1.893	2.897	2.6	21.4
5 21	15 24.06	−22 36.7	1.875	2.883	2.4	21.3
5 31	15 14.25	−22 2.8	1.886	2.867	6.3	21.6
6 10	15 5.86	−21 28.8	1.923	2.851	10.1	21.7
6 20	14 59.58	−20 58.8	1.984	2.834	13.5	21.9

172534 2003 UT_{11} 5 15.5 302.°38 4.°6/13.9 17

4 11	15 57.70	− 9 19.9	1.350	2.218	16.6	20.1
4 21	15 53.06	− 9 12.0	1.252	2.187	12.8	19.7
5 1	15 45.21	− 9 7.6	1.176	2.155	8.5	19.4
5 11	15 34.88	− 9 10.8	1.122	2.124	4.9	19.1
5 21	15 23.22	− 9 25.2	1.093	2.092	6.1	19.1
5 31	15 11.80	− 9 53.7	1.088	2.061	11.0	19.2
6 10	15 2.19	−10 37.9	1.105	2.030	16.1	19.4
6 20	14 55.52	−11 37.4	1.141	1.999	20.7	19.6

315213 2007 RL_{87} 5 15.5 163.°15 1.°4/16.2 17

4 11	15 59.65	−23 30.2	1.799	2.635	14.6	21.6
4 21	15 53.45	−23 27.8	1.723	2.640	11.1	21.4
5 1	15 44.80	−23 15.2	1.671	2.645	7.0	21.1
5 11	15 34.56	−22 52.8	1.644	2.649	2.8	20.9
5 21	15 23.83	−22 22.4	1.645	2.653	2.6	20.9
5 31	15 13.82	−21 48.2	1.673	2.656	6.8	21.2
6 10	15 5.59	−21 14.9	1.727	2.658	10.9	21.4
6 20	14 59.77	−20 47.1	1.804	2.659	14.4	21.6

238276 2003 WF_{89} 5 15.5 277.°94 0.°2/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 53.60	−21 22.0	1.948	2.795	13.2	20.6
4 21	15 48.87	−21 1.2	1.860	2.785	9.9	20.4
5 1	15 42.00	−20 31.6	1.796	2.774	6.2	20.2
5 11	15 33.69	−19 54.6	1.757	2.764	2.0	19.9
5 21	15 24.87	−19 13.1	1.745	2.753	2.4	19.9
5 31	15 16.55	−18 31.2	1.761	2.743	6.6	20.1
6 10	15 9.66	−17 53.5	1.802	2.732	10.5	20.3
6 20	15 4.85	−17 23.7	1.865	2.722	13.9	20.5

159366 3133 $T\text{-}_{2}$ 5 15.5 290.°29 8.°4/ 8.9 18

4 11	15 51.78	− 1 8.4	1.786	2.643	13.7	19.8
4 21	15 47.59	+ 0 32.2	1.705	2.621	11.2	19.5
5 1	15 41.26	+ 2 9.1	1.646	2.599	9.1	19.4
5 11	15 33.48	+ 3 34.1	1.613	2.577	8.5	19.3
5 21	15 25.13	+ 4 39.8	1.605	2.555	9.9	19.3
5 31	15 17.21	+ 5 20.7	1.621	2.533	12.5	19.4
6 10	15 10.66	+ 5 34.7	1.658	2.511	15.5	19.5
6 20	15 6.13	+ 5 22.9	1.714	2.489	18.3	19.7

244209 2002 AO_{15} 5 15.5 204.°47 5.°5/19.2 17

4 11	15 59.25	−36 36.0	2.238	3.021	13.8	20.9
4 21	15 53.10	−36 47.4	2.147	3.016	11.4	20.8
5 1	15 44.58	−36 41.6	2.077	3.011	8.7	20.6
5 11	15 34.51	−36 16.7	2.032	3.005	6.3	20.4
5 21	15 23.91	−35 32.7	2.015	2.999	5.5	20.4
5 31	15 13.92	−34 32.8	2.025	2.992	7.1	20.4
6 10	15 5.57	−33 23.2	2.061	2.984	9.8	20.6
6 20	14 59.50	−32 10.6	2.121	2.976	12.5	20.7

193635 2001 CQ_{45} 5 15.5 136.°46 5.°1/12.7 17

4 11	15 56.10	− 4 3.3	2.171	3.014	12.2	20.1
4 21	15 50.20	− 3 37.9	2.107	3.023	9.4	19.9
5 1	15 42.55	− 3 18.1	2.068	3.031	6.7	19.8
5 11	15 33.82	− 3 7.2	2.055	3.039	5.1	19.7
5 21	15 24.81	− 3 7.8	2.070	3.047	6.0	19.8
5 31	15 16.38	− 3 21.4	2.112	3.055	8.4	19.9
6 10	15 9.25	− 3 48.2	2.179	3.062	11.1	20.1
6 20	15 3.92	− 4 27.0	2.268	3.068	13.6	20.3

522825 2016 NC_{82} 5 15.5 322.°89 6.°1/17.2 16

4 11	15 57.44	−29 42.9	1.522	2.357	16.8	21.1
4 21	15 52.90	−30 55.4	1.431	2.338	13.6	20.8
5 1	15 45.12	−31 57.3	1.360	2.319	10.0	20.5
5 11	15 34.85	−32 43.7	1.313	2.301	6.8	20.3
5 21	15 23.33	−33 11.2	1.290	2.284	6.4	20.2
5 31	15 12.18	−33 19.6	1.291	2.267	9.2	20.3
6 10	15 3.00	−33 13.4	1.316	2.251	13.2	20.5
6 20	14 56.90	−32 59.3	1.361	2.236	17.0	20.7

423968 2006 UJ_{224} 5 15.5 260.°77 4.°7/17.7 17

4 11	15 58.74	−30 27.9	1.703	2.527	15.8	21.2
4 21	15 53.36	−30 55.4	1.613	2.515	12.6	21.0
5 1	15 45.09	−31 8.2	1.543	2.502	9.0	20.7
5 11	15 34.76	−31 3.6	1.498	2.490	5.7	20.5
5 21	15 23.55	−30 41.3	1.478	2.477	5.0	20.4
5 31	15 12.90	−30 4.1	1.485	2.464	7.9	20.6
6 10	15 4.14	−29 18.3	1.516	2.450	11.8	20.8
6 20	14 58.14	−28 31.0	1.568	2.437	15.5	21.0

308065 2004 TD_{158} 5 15.5 319.°55 1.°2/16.0 17

4 11	15 53.72	−23 17.5	1.214	2.083	18.0	20.0
4 21	15 50.16	−23 2.8	1.135	2.070	13.8	19.7
5 1	15 43.35	−22 33.2	1.076	2.058	8.8	19.4
5 11	15 34.24	−21 49.7	1.039	2.046	3.2	19.1
5 21	15 24.21	−20 56.3	1.026	2.035	3.2	19.0
5 31	15 14.94	−19 59.6	1.036	2.024	9.0	19.3
6 10	15 7.90	−19 8.0	1.067	2.014	14.4	19.6
6 20	15 4.00	−18 28.1	1.118	2.005	19.1	19.8

22424 1995 YS_{21} 5 15.5 256.°49 2.°2/14.2 18 R

4 11	15 54.28	−14 9.5	2.000	2.853	12.6	18.2
4 21	15 49.25	−13 46.3	1.916	2.844	9.5	18.0
5 1	15 42.18	−13 20.4	1.854	2.834	5.9	17.8
5 11	15 33.76	−12 54.3	1.820	2.825	2.6	17.5
5 21	15 24.84	−12 31.1	1.812	2.815	3.6	17.6
5 31	15 16.39	−12 14.0	1.832	2.805	7.3	17.8
6 10	15 9.29	−12 5.7	1.878	2.794	10.9	18.0
6 20	15 4.15	−12 7.7	1.945	2.784	14.1	18.2

99124 2001 FW_{79} 5 15.5 26.°61 1.°8/16.6 18

4 11	15 53.04	−26 0.7	1.645	2.493	15.2	18.8
4 21	15 48.68	−25 36.3	1.577	2.498	11.6	18.6
5 1	15 41.92	−24 57.7	1.529	2.504	7.5	18.4
5 11	15 33.67	−24 6.4	1.507	2.511	3.2	18.1
5 21	15 25.02	−23 6.0	1.510	2.518	2.8	18.1
5 31	15 17.15	−22 2.4	1.540	2.525	6.9	18.4
6 10	15 11.06	−21 2.0	1.594	2.533	11.0	18.6
6 20	15 7.33	−20 10.2	1.669	2.541	14.6	18.9

482464 2012 JL_{62} 5 15.5 42°.29 6°.5/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 58.03	−40 11.0	0.924	1.762	24.9	19.6
4 21	15 54.06	−38 49.6	0.864	1.770	20.3	19.3
5 1	15 45.75	−36 38.9	0.820	1.778	14.9	19.0
5 11	15 34.88	−33 39.0	0.795	1.787	9.3	18.8
5 21	15 23.70	−30 1.6	0.793	1.796	6.6	18.7
5 31	15 14.43	−26 9.8	0.815	1.806	10.1	18.9
6 10	15 8.55	−22 29.8	0.860	1.817	15.6	19.2
6 20	15 6.55	−19 20.4	0.924	1.828	20.6	19.6

301005 2008 GL_{117} 5 15.5 344°.21 2°.9/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 44.81	− 7 5.5	4.058	4.902	6.9	20.3
4 21	15 41.28	− 6 14.3	3.982	4.901	5.3	20.2
5 1	15 36.91	− 5 24.1	3.933	4.900	3.7	20.1
5 11	15 32.04	− 4 37.3	3.913	4.898	2.9	20.0
5 21	15 27.02	− 3 55.9	3.922	4.897	3.5	20.1
5 31	15 22.23	− 3 21.9	3.959	4.896	5.1	20.2
6 10	15 18.03	− 2 56.5	4.024	4.895	6.7	20.3
6 20	15 14.68	− 2 40.2	4.112	4.894	8.3	20.4

380451 2003 SQ_{350} 5 15.5 85°.78 1°.3/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.79	−24 2.3	1.901	2.742	13.7	20.8
4 21	15 49.69	−23 48.6	1.829	2.748	10.4	20.6
5 1	15 42.43	−23 24.3	1.780	2.755	6.6	20.4
5 11	15 33.82	−22 50.5	1.756	2.761	2.6	20.1
5 21	15 24.83	−22 10.0	1.760	2.768	2.4	20.1
5 31	15 16.52	−21 26.9	1.791	2.775	6.3	20.4
6 10	15 9.78	−20 46.0	1.848	2.781	10.1	20.6
6 20	15 5.19	−20 11.3	1.927	2.788	13.4	20.8

391686 2008 AX_{67} 5 15.5 67°.87 1°.5/14.5 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.16	−15 51.5	2.119	2.970	12.1	21.6
4 21	15 48.09	−15 27.9	2.059	2.987	8.9	21.4
5 1	15 41.27	−15 1.0	2.024	3.004	5.4	21.3
5 11	15 33.42	−14 33.3	2.015	3.021	2.0	21.1
5 21	15 25.35	−14 7.4	2.034	3.039	2.9	21.2
5 31	15 17.90	−13 46.3	2.081	3.056	6.3	21.4
6 10	15 11.78	−13 32.5	2.154	3.073	9.6	21.6
6 20	15 7.47	−13 27.5	2.249	3.090	12.4	21.9

387709 2003 AJ_{71} 5 15.5 77°.17 2°.9/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.01	− 9 18.2	2.220	3.060	12.0	21.2
4 21	15 52.17	− 9 24.3	2.171	3.090	9.0	21.0
5 1	15 43.64	− 9 32.7	2.147	3.121	5.7	20.9
5 11	15 34.14	− 9 45.1	2.151	3.151	3.1	20.8
5 21	15 24.50	−10 2.5	2.184	3.180	3.8	20.9
5 31	15 15.58	−10 25.8	2.246	3.210	6.7	21.1
6 10	15 8.07	−10 55.4	2.334	3.239	9.6	21.3
6 20	15 2.41	−11 31.1	2.446	3.267	12.2	21.5

75345 1999 XZ_{61} 5 15.5 194°.21 1°.0/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.12	−22 56.3	1.947	2.783	13.6	20.6
4 21	15 52.22	−22 46.8	1.864	2.782	10.3	20.3
5 1	15 44.04	−22 27.7	1.804	2.779	6.5	20.1
5 11	15 34.36	−21 59.7	1.771	2.776	2.4	19.8
5 21	15 24.17	−21 25.1	1.765	2.773	2.4	19.8
5 31	15 14.58	−20 47.5	1.787	2.769	6.5	20.1
6 10	15 6.56	−20 11.8	1.835	2.764	10.4	20.3
6 20	15 0.77	−19 42.0	1.906	2.758	13.9	20.5

426652 2013 SC_{81} 5 15.5 298°.60 0°.4/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.92	−21 7.7	1.494	2.353	15.8	21.2
4 21	15 50.65	−20 58.7	1.401	2.331	12.1	20.9
5 1	15 43.52	−20 39.6	1.329	2.310	7.6	20.6
5 11	15 34.31	−20 11.5	1.281	2.289	2.5	20.2
5 21	15 24.16	−19 37.0	1.259	2.267	2.9	20.2
5 31	15 14.50	−19 0.6	1.262	2.246	8.2	20.4
6 10	15 6.64	−18 28.4	1.287	2.226	13.2	20.7
6 20	15 1.50	−18 5.1	1.333	2.205	17.5	20.9

259319 2003 FL_{61} 5 15.5 41°.20 3°.8/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.86	−12 3.0	1.554	2.422	14.9	20.1
4 21	15 49.21	−11 18.1	1.492	2.427	11.1	19.9
5 1	15 42.23	−10 31.7	1.453	2.433	7.1	19.7
5 11	15 33.78	− 9 48.5	1.438	2.439	4.0	19.5
5 21	15 24.95	− 9 13.3	1.448	2.446	5.2	19.6
5 31	15 16.87	− 8 50.3	1.484	2.453	9.0	19.8
6 10	15 10.52	− 8 42.2	1.544	2.460	12.9	20.1
6 20	15 6.49	− 8 49.4	1.623	2.467	16.3	20.3

271721 2004 RV_{228} 5 15.5 115°.63 1°.7/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.89	−24 33.2	1.868	2.706	14.0	20.8
4 21	15 50.62	−24 31.5	1.792	2.710	10.7	20.6
5 1	15 43.07	−24 19.3	1.740	2.713	6.9	20.4
5 11	15 34.06	−23 57.0	1.713	2.717	2.9	20.1
5 21	15 24.59	−23 26.4	1.713	2.720	2.6	20.1
5 31	15 15.78	−22 51.4	1.740	2.723	6.5	20.4
6 10	15 8.58	−22 16.7	1.792	2.726	10.3	20.6
6 20	15 3.63	−21 46.7	1.867	2.729	13.7	20.8

176694 2002 PY_{172} 5 15.5 189°.69 0°.7/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.67	−18 15.1	2.007	2.850	13.0	21.7
4 21	15 51.75	−17 57.9	1.926	2.849	9.7	21.5
5 1	15 43.69	−17 34.8	1.869	2.848	5.9	21.3
5 11	15 34.25	−17 7.6	1.838	2.845	1.9	21.0
5 21	15 24.35	−16 38.9	1.836	2.843	2.6	21.1
5 31	15 15.01	−16 12.1	1.862	2.839	6.7	21.3
6 10	15 7.15	−15 50.8	1.914	2.835	10.5	21.5
6 20	15 1.38	−15 37.6	1.988	2.831	13.8	21.7

32211 2000 OZ_{10} 5 15.5 236°.52 6°.2/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.77	− 4 18.9	1.836	2.690	13.5	18.0
4 21	15 49.66	− 3 29.0	1.763	2.685	10.6	17.7
5 1	15 42.44	− 2 43.9	1.714	2.679	7.7	17.6
5 11	15 33.86	− 2 8.7	1.690	2.673	6.2	17.5
5 21	15 24.84	− 1 47.9	1.692	2.667	7.3	17.5
5 31	15 16.37	− 1 44.6	1.719	2.661	10.1	17.7
6 10	15 9.34	− 1 59.5	1.770	2.655	13.2	17.8
6 20	15 4.37	− 2 31.6	1.842	2.648	16.1	18.0

18282 Ilos 5 15.5 220°.82 1°.8/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 44.54	−10 10.4	4.709	5.551	6.1	20.0
4 21	15 41.01	− 9 44.9	4.627	5.548	4.5	19.8
5 1	15 36.73	− 9 19.6	4.571	5.545	3.0	19.7
5 11	15 32.01	− 8 55.9	4.545	5.542	1.8	19.6
5 21	15 27.15	− 8 35.3	4.547	5.538	2.4	19.7
5 31	15 22.47	− 8 18.9	4.580	5.535	3.9	19.8
6 10	15 18.30	− 8 7.8	4.639	5.531	5.5	19.9
6 20	15 14.87	− 8 2.5	4.724	5.528	7.0	20.0

20569 1999 RP_{132} 5 15.5 189°.54 4°.3/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.20	−36 28.8	3.127	3.898	10.5	18.7
4 21	15 49.47	−36 39.1	3.035	3.896	8.6	18.6
5 1	15 42.12	−36 36.8	2.966	3.895	6.6	18.4
5 11	15 33.74	−36 21.0	2.924	3.892	4.9	18.3
5 21	15 25.03	−35 52.1	2.909	3.890	4.3	18.3
5 31	15 16.74	−35 11.9	2.924	3.887	5.4	18.3
6 10	15 9.55	−34 24.2	2.966	3.883	7.4	18.4
6 20	15 3.96	−33 33.0	3.033	3.879	9.4	18.6

176059 2000 US_{18} 5 15.5 240°.36 3°.8/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.65	−31 38.5	2.463	3.267	12.1	20.4
4 21	15 49.43	−31 51.1	2.371	3.261	9.6	20.2
5 1	15 42.26	−31 51.5	2.303	3.255	6.9	20.0
5 11	15 33.82	−31 38.8	2.261	3.248	4.5	19.8
5 21	15 24.92	−31 13.3	2.247	3.242	3.9	19.8
5 31	15 16.47	−30 37.6	2.260	3.235	5.9	19.9
6 10	15 9.29	−29 55.8	2.300	3.228	8.6	20.0
6 20	15 3.99	−29 12.6	2.364	3.221	11.3	20.2

337860 2001 VY_{128} 5 15.5 300°.59 0°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 48.87	−15 1.8	4.139	4.973	7.0	19.9
4 21	15 44.31	−15 10.8	4.048	4.968	5.2	19.7
5 1	15 38.80	−15 18.9	3.985	4.962	3.2	19.6
5 11	15 32.68	−15 26.9	3.950	4.957	1.1	19.4
5 21	15 26.34	−15 35.3	3.946	4.951	1.5	19.5
5 31	15 20.21	−15 45.1	3.972	4.946	3.7	19.6
6 10	15 14.67	−15 57.0	4.027	4.941	5.7	19.7
6 20	15 10.05	−16 11.7	4.107	4.935	7.5	19.9

25376 Christikeen 5 15.5 106°.87 1°.8/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.35	−16 12.4	1.648	2.504	14.7	19.2
4 21	15 51.68	−15 42.1	1.587	2.517	10.9	19.0
5 1	15 43.68	−15 6.8	1.549	2.530	6.7	18.8
5 11	15 34.25	−14 29.9	1.536	2.542	2.5	18.5
5 21	15 24.48	−13 55.1	1.549	2.554	3.6	18.6
5 31	15 15.54	−13 26.6	1.590	2.566	7.8	18.9
6 10	15 8.38	−13 7.9	1.655	2.577	11.8	19.2
6 20	15 3.57	−13 1.0	1.741	2.588	15.2	19.4

520950 2014 YL_{58} 5 15.5 151°.53 8°.9/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.69	+ 3 10.7	2.023	2.861	13.1	21.4
4 21	15 48.54	+ 4 58.8	1.970	2.868	10.9	21.2
5 1	15 41.60	+ 6 37.4	1.942	2.874	9.3	21.2
5 11	15 33.58	+ 7 59.0	1.939	2.879	9.0	21.1
5 21	15 25.30	+ 8 58.2	1.962	2.884	10.1	21.2
5 31	15 17.62	+ 9 31.7	2.009	2.889	12.0	21.3
6 10	15 11.27	+ 9 39.4	2.078	2.893	14.2	21.5
6 20	15 6.75	+ 9 23.8	2.165	2.896	16.2	21.7

266116 2006 SQ_{310} 5 15.5 169°.34 0°.3/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.57	−21 39.5	2.008	2.845	13.2	21.9
4 21	15 51.67	−21 19.1	1.930	2.849	9.9	21.6
5 1	15 43.64	−20 49.8	1.876	2.853	6.1	21.4
5 11	15 34.27	−20 13.3	1.849	2.856	2.0	21.2
5 21	15 24.50	−19 32.3	1.850	2.858	2.3	21.2
5 31	15 15.36	−18 50.7	1.879	2.860	6.4	21.4
6 10	15 7.75	−18 13.0	1.934	2.861	10.1	21.7
6 20	15 2.25	−17 42.9	2.013	2.861	13.4	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
250898 2005 VL_{82}			5 15.5 229°.39		8°.0/22.9 18	R
	h m	° ′			°	m
4 11	16 0.55	−50 19.7	3.100	3.781	12.3	21.2
4 21	15 53.97	−50 50.7	2.999	3.769	11.0	21.1
5 1	15 45.12	−51 3.7	2.918	3.757	9.7	20.9
5 11	15 34.76	−50 55.3	2.860	3.745	8.5	20.8
5 21	15 23.87	−50 24.4	2.826	3.732	8.0	20.8
5 31	15 13.53	−49 32.0	2.818	3.719	8.2	20.8
6 10	15 4.73	−48 22.6	2.835	3.705	9.3	20.8
6 20	14 58.11	−47 1.7	2.876	3.691	10.7	20.9
294039 2007 TW_{131}			5 15.5 278°.81		0°.4/15.3 17	
4 11	15 54.03	−18 47.1	2.022	2.871	12.7	21.3
4 21	15 49.11	−18 37.6	1.938	2.864	9.5	21.0
5 1	15 42.15	−18 22.5	1.878	2.858	5.8	20.8
5 11	15 33.83	−18 3.3	1.844	2.851	1.8	20.5
5 21	15 25.03	−17 42.0	1.837	2.845	2.4	20.6
5 31	15 16.71	−17 21.8	1.858	2.838	6.5	20.8
6 10	15 9.77	−17 5.9	1.904	2.832	10.2	21.0
6 20	15 4.79	−16 57.0	1.973	2.826	13.5	21.2
237335 2009 VZ_{7}			5 15.5 176°.19		0°.7/15.9 17	
4 11	15 56.85	−22 22.7	2.296	3.127	12.0	21.8
4 21	15 50.94	−22 13.2	2.214	3.129	9.1	21.6
5 1	15 43.14	−21 55.8	2.157	3.131	5.7	21.4
5 11	15 34.12	−21 31.5	2.127	3.133	2.0	21.2
5 21	15 24.72	−21 2.1	2.125	3.133	2.1	21.2
5 31	15 15.85	−20 30.6	2.153	3.133	5.7	21.4
6 10	15 8.31	−20 0.8	2.207	3.133	9.1	21.6
6 20	15 2.64	−19 35.8	2.285	3.132	12.1	21.8
250841 2005 UV_{162}			5 15.5 243°.13		1°.5/16.5 18	
4 11	15 53.56	−24 14.3	2.485	3.314	11.3	21.1
4 21	15 48.49	−24 17.2	2.395	3.308	8.6	20.9
5 1	15 41.66	−24 12.2	2.330	3.301	5.5	20.7
5 11	15 33.67	−23 59.7	2.291	3.295	2.4	20.5
5 21	15 25.26	−23 40.7	2.281	3.288	2.2	20.4
5 31	15 17.25	−23 17.8	2.300	3.281	5.3	20.6
6 10	15 10.40	−22 54.0	2.345	3.274	8.4	20.8
6 20	15 5.24	−22 32.6	2.414	3.267	11.3	21.0
102927 1999 XX_{35}			5 15.5 237°.77		1°.3/14.7 18	
4 11	15 57.08	−17 15.7	1.942	2.789	13.2	20.0
4 21	15 51.53	−16 47.4	1.850	2.775	9.9	19.8
5 1	15 43.72	−16 12.8	1.780	2.760	6.1	19.5
5 11	15 34.37	−15 34.3	1.738	2.744	2.1	19.2
5 21	15 24.41	−14 55.1	1.723	2.728	3.1	19.3
5 31	15 14.91	−14 19.3	1.736	2.711	7.3	19.5
6 10	15 6.85	−13 51.2	1.774	2.694	11.3	19.7
6 20	15 0.93	−13 33.4	1.835	2.676	14.8	19.9
234222 2000 SF_{141}			5 15.5 239°.84		1°.9/16.7 18	
4 11	15 57.44	−25 52.3	2.399	3.218	11.9	21.9
4 21	15 51.56	−25 50.2	2.294	3.200	9.2	21.6
5 1	15 43.65	−25 38.4	2.213	3.181	6.1	21.4
5 11	15 34.34	−25 16.5	2.160	3.161	2.9	21.2
5 21	15 24.44	−24 45.7	2.135	3.141	2.5	21.1
5 31	15 14.90	−24 8.7	2.139	3.119	5.7	21.3
6 10	15 6.60	−23 29.8	2.171	3.097	9.2	21.5
6 20	15 0.19	−22 53.0	2.226	3.075	12.3	21.6
24598 4366 T_{-3}			5 15.5 167°.40		1°.2/14.9 18	
4 11	15 58.28	−17 4.9	1.951	2.795	13.3	20.1
4 21	15 52.21	−16 45.0	1.876	2.800	9.9	19.8
5 1	15 43.99	−16 20.1	1.825	2.804	6.0	19.6
5 11	15 34.41	−15 52.3	1.801	2.808	2.0	19.4
5 21	15 24.43	−15 24.3	1.805	2.811	2.9	19.4
5 31	15 15.07	−14 59.8	1.837	2.813	6.9	19.7
6 10	15 7.25	−14 41.9	1.894	2.814	10.7	19.9
6 20	15 1.56	−14 32.9	1.975	2.815	13.9	20.1
279347 2009 YB_{20}			5 15.5 170°.87		5°.4/12.9 17	
4 11	15 56.63	− 4 26.1	1.893	2.742	13.4	20.4
4 21	15 50.97	− 4 4.7	1.823	2.743	10.4	20.2
5 1	15 43.23	− 3 49.4	1.777	2.744	7.4	20.0
5 11	15 34.18	− 3 43.9	1.756	2.744	5.5	19.9
5 21	15 24.71	− 3 51.1	1.763	2.745	6.4	19.9
5 31	15 15.83	− 4 12.6	1.796	2.745	9.2	20.1
6 10	15 8.41	− 4 48.3	1.853	2.745	12.3	20.3
6 20	15 3.04	− 5 36.9	1.931	2.745	15.2	20.5
309626 2008 CV_{88}			5 15.5 227°.53		2°.8/17.2 16	
4 11	15 55.20	−27 42.6	2.445	3.262	11.8	21.0
4 21	15 49.82	−28 1.3	2.356	3.258	9.2	20.8
5 1	15 42.53	−28 10.5	2.292	3.254	6.3	20.6
5 11	15 33.97	−28 9.5	2.253	3.249	3.5	20.5
5 21	15 24.95	−27 58.9	2.243	3.245	3.1	20.4
5 31	15 16.34	−27 40.4	2.261	3.240	5.6	20.6
6 10	15 8.98	−27 17.6	2.306	3.235	8.6	20.8
6 20	15 3.43	−26 54.2	2.375	3.230	11.4	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
15469 Ohmura			5 15.5 139°.97		0°.4/15.8 18	
	h m	° ′			°	m
4 11	15 54.55	−21 16.0	2.211	3.050	12.1	18.9
4 21	15 49.29	−21 7.7	2.135	3.055	9.1	18.7
5 1	15 42.15	−20 52.4	2.082	3.059	5.6	18.5
5 11	15 33.84	−20 31.3	2.056	3.063	1.9	18.2
5 21	15 25.16	−20 6.2	2.059	3.067	2.1	18.2
5 31	15 17.02	−19 40.1	2.089	3.070	5.8	18.5
6 10	15 10.20	−19 16.5	2.146	3.074	9.2	18.7
6 20	15 5.24	−18 58.2	2.226	3.077	12.2	18.9
290225 2005 ST_{58}			5 15.5 12°.58		0°.7/15.2 17	
4 11	15 53.09	−19 18.7	1.352	2.223	16.5	20.0
4 21	15 49.13	−18 53.4	1.288	2.225	12.3	19.7
5 1	15 42.44	−18 19.1	1.244	2.228	7.5	19.5
5 11	15 33.98	−17 38.7	1.223	2.231	2.3	19.1
5 21	15 25.00	−16 56.6	1.227	2.235	3.2	19.2
5 31	15 16.86	−16 18.5	1.256	2.240	8.3	19.5
6 10	15 10.70	−15 49.5	1.307	2.246	13.0	19.8
6 20	15 7.19	−15 33.0	1.378	2.252	16.9	20.1
145440 2005 QU_{143}			5 15.5 0°.44		1°.8/14.1 18	R
4 11	15 50.24	−18 58.3	1.833	2.693	13.3	18.6
4 21	15 46.33	−17 41.0	1.759	2.691	9.9	18.4
5 1	15 40.44	−16 13.6	1.708	2.691	6.0	18.2
5 11	15 33.30	−14 41.2	1.684	2.691	2.2	17.9
5 21	15 25.84	−13 9.9	1.687	2.691	3.5	18.0
5 31	15 19.00	−11 46.4	1.718	2.692	7.5	18.3
6 10	15 13.61	−10 36.3	1.773	2.693	11.2	18.5
6 20	15 10.19	− 9 42.9	1.850	2.695	14.5	18.7
162023 1995 GP_{8}			5 15.5 85°.38		0°.8/15.1 18	
4 11	15 59.19	−19 10.4	1.446	2.303	16.4	20.3
4 21	15 53.26	−18 41.6	1.394	2.324	12.1	20.1
5 1	15 44.72	−18 4.6	1.364	2.345	7.3	19.9
5 11	15 34.64	−17 22.4	1.358	2.366	2.3	19.6
5 21	15 24.30	−16 39.3	1.379	2.386	3.1	19.7
5 31	15 15.02	−16 0.6	1.425	2.406	8.0	20.0
6 10	15 7.82	−15 31.0	1.496	2.426	12.3	20.3
6 20	15 3.27	−15 13.4	1.587	2.445	15.9	20.6
416647 2004 TA_{96}			5 15.5 288°.91		2°.9/13.9 17	
4 11	15 54.60	−16 27.4	1.358	2.229	16.4	21.8
4 21	15 50.52	−15 29.4	1.271	2.209	12.4	21.5
5 1	15 43.51	−14 20.9	1.205	2.189	7.7	21.2
5 11	15 34.40	−13 7.0	1.163	2.169	3.3	20.8
5 21	15 24.42	−11 54.4	1.146	2.149	5.0	20.9
5 31	15 15.01	−10 51.0	1.153	2.129	10.1	21.1
6 10	15 7.51	−10 3.8	1.182	2.109	15.1	21.3
6 20	15 2.80	− 9 36.6	1.230	2.089	19.5	21.5
307235 2002 HZ_{9}			5 15.5 32°.94		4°.0/13.6 18	
4 11	15 52.79	−14 51.7	1.082	1.969	18.4	19.3
4 21	15 49.10	−13 42.2	1.036	1.982	13.6	19.0
5 1	15 42.43	−12 26.9	1.010	1.995	8.5	18.8
5 11	15 33.95	−11 13.3	1.006	2.010	4.2	18.6
5 21	15 25.14	−10 9.7	1.024	2.026	5.9	18.8
5 31	15 17.46	− 9 23.1	1.066	2.042	10.7	19.1
6 10	15 12.08	− 8 57.8	1.128	2.059	15.3	19.4
6 20	15 9.57	− 8 54.0	1.208	2.077	19.2	19.7
374138 2004 TB_{136}			5 15.5 186°.88		0°.7/14.9 18	
4 11	15 54.67	−20 4.4	2.252	3.092	11.9	21.1
4 21	15 49.30	−19 13.5	2.169	3.091	8.9	20.9
5 1	15 42.13	−18 14.2	2.112	3.091	5.4	20.7
5 11	15 33.83	−17 9.3	2.082	3.089	1.7	20.5
5 21	15 25.22	−16 2.8	2.081	3.088	2.5	20.5
5 31	15 17.14	−14 59.2	2.109	3.085	6.2	20.7
6 10	15 10.36	−14 3.1	2.164	3.083	9.6	21.0
6 20	15 5.39	−13 17.7	2.242	3.079	12.6	21.1
149436 2003 BL_{74}			5 15.5 127°.76		4°.0/13.8 17	
4 11	15 57.46	− 8 56.7	1.727	2.582	14.2	19.9
4 21	15 51.79	− 8 43.1	1.658	2.585	10.8	19.6
5 1	15 43.84	− 8 32.4	1.612	2.588	7.1	19.4
5 11	15 34.41	− 8 27.6	1.592	2.591	4.2	19.3
5 21	15 24.52	− 8 31.5	1.598	2.593	5.2	19.3
5 31	15 15.29	− 8 45.9	1.631	2.596	8.7	19.5
6 10	15 7.69	− 9 12.0	1.688	2.598	12.3	19.7
6 20	15 2.33	− 9 49.1	1.766	2.601	15.6	20.0
110519 2001 TJ_{79}			5 15.5 228°.70		0°.5/15.7 18	
4 11	15 59.68	−19 24.5	2.061	2.897	13.0	18.9
4 21	15 53.44	−19 45.3	1.969	2.887	9.8	18.7
5 1	15 44.92	−20 1.8	1.901	2.877	6.1	18.5
5 11	15 34.79	−20 13.8	1.860	2.867	2.1	18.2
5 21	15 24.00	−20 21.7	1.848	2.856	2.3	18.2
5 31	15 13.62	−20 27.2	1.864	2.844	6.5	18.4
6 10	15 4.66	−20 32.7	1.907	2.832	10.3	18.6
6 20	14 57.84	−20 41.0	1.973	2.820	13.7	18.8

62638 2000 SJ_{357} 5 15.5 232°.72 5°.0/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.30	− 5 25.7	1.944	2.791	13.2	19.5
4 21	15 51.52	− 5 9.6	1.865	2.785	10.2	19.3
5 1	15 43.64	− 4 58.6	1.811	2.779	7.1	19.1
5 11	15 34.35	− 4 56.4	1.782	2.772	5.1	19.0
5 21	15 24.57	− 5 5.5	1.780	2.766	6.0	19.0
5 31	15 15.30	− 5 27.5	1.806	2.759	8.9	19.2
6 10	15 7.44	− 6 2.8	1.856	2.751	12.1	19.4
6 20	15 1.62	− 6 50.3	1.928	2.744	15.1	19.6

206536 2003 UK_{187} 5 15.5 296°.07 1°.8/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.55	−26 5.1	1.819	2.660	14.3	19.8
4 21	15 49.18	−25 41.3	1.724	2.642	11.0	19.6
5 1	15 42.42	−25 3.3	1.650	2.624	7.2	19.3
5 11	15 34.01	−24 11.7	1.602	2.606	3.1	19.0
5 21	15 24.96	−23 9.6	1.580	2.588	2.7	18.9
5 31	15 16.42	−22 2.0	1.585	2.570	6.8	19.2
6 10	15 9.45	−20 55.5	1.615	2.552	11.0	19.4
6 20	15 4.75	−19 56.1	1.667	2.535	14.8	19.6

151246 2002 AK_{24} 5 15.5 5°.29 9°.9/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.50	+ 2 31.3	1.443	2.302	16.3	19.0
4 21	15 49.11	+ 3 28.7	1.388	2.302	13.4	18.8
5 1	15 42.29	+ 4 12.4	1.353	2.303	10.9	18.7
5 11	15 33.93	+ 4 34.8	1.340	2.304	9.9	18.6
5 21	15 25.14	+ 4 31.3	1.351	2.306	10.9	18.7
5 31	15 17.10	+ 4 0.2	1.384	2.308	13.4	18.8
6 10	15 10.83	+ 3 3.4	1.438	2.312	16.3	19.0
6 20	15 6.95	+ 1 45.5	1.509	2.316	19.0	19.2

111030 2001 VA_{20} 5 15.5 24°.24 0°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.26	−19 23.8	1.656	2.512	14.7	19.8
4 21	15 50.37	−19 6.3	1.583	2.513	11.0	19.6
5 1	15 43.06	−18 41.2	1.533	2.514	6.7	19.3
5 11	15 34.19	−18 10.4	1.507	2.514	2.1	19.0
5 21	15 24.81	−17 37.3	1.508	2.516	2.8	19.1
5 31	15 16.13	−17 6.0	1.535	2.517	7.4	19.4
6 10	15 9.15	−16 40.9	1.586	2.518	11.6	19.6
6 20	15 4.54	−16 25.3	1.659	2.519	15.2	19.8

29879 1999 GO_{21} 5 15.5 120°.98 0°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.00	−20 22.9	2.242	3.079	12.0	17.7
4 21	15 50.38	−20 36.6	2.166	3.084	9.0	17.5
5 1	15 42.85	−20 45.2	2.113	3.089	5.6	17.3
5 11	15 34.09	−20 48.8	2.088	3.094	1.9	17.1
5 21	15 24.93	−20 48.3	2.091	3.099	2.1	17.1
5 31	15 16.27	−20 45.8	2.122	3.103	5.7	17.3
6 10	15 8.92	−20 43.7	2.180	3.108	9.1	17.6
6 20	15 3.45	−20 44.4	2.262	3.112	12.0	17.8

256529 2007 FK 5 15.5 71°.62 2°.1/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.20	−26 33.1	2.426	3.250	11.6	20.7
4 21	15 48.22	−26 36.2	2.349	3.256	8.9	20.5
5 1	15 41.48	−26 29.9	2.296	3.263	5.9	20.3
5 11	15 33.65	−26 14.3	2.269	3.269	3.0	20.2
5 21	15 25.48	−25 50.8	2.270	3.275	2.6	20.1
5 31	15 17.81	−25 21.9	2.300	3.281	5.3	20.3
6 10	15 11.38	−24 51.2	2.356	3.288	8.3	20.5
6 20	15 6.69	−24 22.3	2.436	3.294	11.0	20.7

104294 2000 ER_{168} 5 15.5 112°.50 4°.0/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.44	− 7 31.9	2.116	2.964	12.2	19.9
4 21	15 49.85	− 7 11.8	2.051	2.973	9.3	19.7
5 1	15 42.45	− 6 54.9	2.011	2.982	6.2	19.6
5 11	15 33.95	− 6 44.2	1.997	2.991	4.1	19.5
5 21	15 25.15	− 6 42.1	2.011	3.000	5.0	19.5
5 31	15 16.93	− 6 50.4	2.052	3.009	7.8	19.7
6 10	15 10.03	− 7 9.7	2.119	3.017	10.7	19.9
6 20	15 4.96	− 7 39.8	2.207	3.025	13.4	20.1

107154 2001 BN_{14} 5 15.5 129°.10 1°.6/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.53	−16 38.0	1.821	2.669	13.9	20.1
4 21	15 52.40	−16 6.6	1.758	2.683	10.3	19.9
5 1	15 44.09	−15 30.1	1.718	2.697	6.3	19.7
5 11	15 34.47	−14 51.4	1.704	2.711	2.3	19.5
5 21	15 24.55	−14 14.1	1.719	2.723	3.3	19.6
5 31	15 15.41	−13 42.2	1.761	2.735	7.3	19.8
6 10	15 7.93	−13 19.1	1.828	2.747	11.1	20.1
6 20	15 2.66	−13 7.1	1.917	2.757	14.3	20.3

508947 2004 SF_{9} 5 15.5 292°.28 6°.2/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.57	−41 17.6	2.398	3.158	13.6	20.9
4 21	15 51.22	−41 6.7	2.283	3.131	11.6	20.7
5 1	15 43.58	−40 35.0	2.189	3.104	9.3	20.5
5 11	15 34.38	−39 40.2	2.119	3.077	7.2	20.3
5 21	15 24.62	−38 22.4	2.076	3.050	6.2	20.2
5 31	15 15.39	−36 45.1	2.060	3.023	7.3	20.2
6 10	15 7.71	−34 55.1	2.072	2.995	9.7	20.3
6 20	15 2.24	−33 0.5	2.108	2.968	12.4	20.4

29957 1999 JR_{91} 5 15.5 161°.12 4°.5/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 52.19	− 5 56.8	2.457	3.304	10.8	18.2
4 21	15 47.26	− 5 8.4	2.389	3.308	8.3	18.1
5 1	15 40.81	− 4 22.8	2.345	3.311	5.9	17.9
5 11	15 33.44	− 3 43.7	2.328	3.314	4.5	17.8
5 21	15 25.82	− 3 14.3	2.339	3.316	5.4	17.9
5 31	15 18.64	− 2 57.2	2.378	3.319	7.7	18.0
6 10	15 12.55	− 2 53.5	2.442	3.321	10.2	18.2
6 20	15 7.97	− 3 3.1	2.527	3.323	12.5	18.4

513040 2017 VM_{5} 5 15.5 157°.67 2°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.21	−14 2.3	2.431	3.279	10.9	21.4
4 21	15 47.31	−13 7.1	2.357	3.283	8.1	21.2
5 1	15 40.85	−12 8.5	2.309	3.287	5.0	21.0
5 11	15 33.46	−11 10.2	2.288	3.291	2.6	20.9
5 21	15 25.81	−10 15.7	2.296	3.294	3.6	20.9
5 31	15 18.65	− 9 28.8	2.333	3.297	6.5	21.1
6 10	15 12.61	− 8 52.3	2.396	3.299	9.4	21.3
6 20	15 8.14	− 8 27.9	2.481	3.302	12.0	21.5

41927 2000 WM_{166} 5 15.5 283°.24 1°.3/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.53	−16 28.6	2.249	3.098	11.6	19.8
4 21	15 47.89	−16 7.5	2.155	3.081	8.7	19.6
5 1	15 41.41	−15 42.1	2.085	3.065	5.3	19.4
5 11	15 33.69	−15 14.5	2.042	3.048	1.9	19.1
5 21	15 25.48	−14 47.2	2.027	3.032	2.8	19.1
5 31	15 17.65	−14 23.3	2.039	3.015	6.4	19.3
6 10	15 10.97	−14 5.8	2.078	2.999	9.8	19.5
6 20	15 6.03	−13 56.7	2.139	2.982	12.9	19.7

250917 2005 WS_{13} 5 15.5 244°.87 0°.3/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.89	−18 26.7	2.483	3.325	10.9	20.9
4 21	15 47.94	−18 20.4	2.398	3.320	8.1	20.7
5 1	15 41.33	−18 9.7	2.336	3.315	5.0	20.5
5 11	15 33.64	−17 55.9	2.303	3.310	1.6	20.2
5 21	15 25.57	−17 40.6	2.297	3.305	2.0	20.2
5 31	15 17.90	−17 26.1	2.321	3.300	5.5	20.5
6 10	15 11.32	−17 15.0	2.371	3.294	8.6	20.7
6 20	15 6.35	−17 9.1	2.444	3.289	11.4	20.8

130118 1999 XR_{80} 5 15.5 256°.74 1°.1/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.96	−17 50.3	2.020	2.869	12.7	20.5
4 21	15 49.10	−17 20.5	1.932	2.859	9.5	20.2
5 1	15 42.20	−16 44.3	1.869	2.849	5.8	20.0
5 11	15 33.95	−16 4.3	1.832	2.839	2.0	19.7
5 21	15 25.21	−15 23.7	1.822	2.828	2.8	19.8
5 31	15 16.95	−14 46.4	1.840	2.817	6.8	20.0
6 10	15 10.04	−14 16.2	1.884	2.806	10.6	20.2
6 20	15 5.09	−13 56.0	1.949	2.795	13.9	20.4

198661 2005 BZ_{18} 5 15.5 134°.35 0°.1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.10	−19 44.8	2.113	2.954	12.5	20.4
4 21	15 50.51	−19 41.7	2.040	2.961	9.4	20.2
5 1	15 42.95	−19 32.9	1.990	2.968	5.7	20.0
5 11	15 34.16	−19 19.2	1.967	2.974	1.8	19.8
5 21	15 24.99	−19 2.6	1.972	2.980	2.2	19.8
5 31	15 16.39	−18 45.7	2.005	2.986	6.0	20.1
6 10	15 9.19	−18 31.7	2.065	2.991	9.6	20.3
6 20	15 3.94	−18 23.1	2.147	2.996	12.6	20.5

366543 2002 QM_{104} 5 15.5 244°.55 0°.5/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.14	−19 30.6	1.871	2.717	13.7	21.8
4 21	15 51.73	−19 7.3	1.778	2.702	10.3	21.6
5 1	15 43.95	−18 36.0	1.708	2.687	6.4	21.3
5 11	15 34.54	−17 58.3	1.663	2.671	2.0	21.0
5 21	15 24.48	−17 17.4	1.647	2.654	2.7	21.0
5 31	15 14.90	−16 37.5	1.658	2.637	7.2	21.2
6 10	15 6.82	−16 3.2	1.694	2.620	11.4	21.4
6 20	15 0.98	−15 38.3	1.752	2.601	15.0	21.6

438446 2006 XD_{22} 5 15.5 228°.33 2°.9/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.01	− 9 6.5	2.754	3.594	10.0	21.6
4 21	15 48.59	− 8 51.2	2.664	3.583	7.5	21.4
5 1	15 41.66	− 8 37.3	2.599	3.572	5.0	21.3
5 11	15 33.75	− 8 26.7	2.563	3.560	3.0	21.1
5 21	15 25.48	− 8 21.6	2.555	3.548	3.8	21.1
5 31	15 17.53	− 8 23.7	2.577	3.535	6.3	21.3
6 10	15 10.52	− 8 34.0	2.626	3.522	9.0	21.4
6 20	15 4.95	− 8 53.0	2.698	3.509	11.4	21.6

103324 2000 AB_{67} 5 15.5 191°.83 3°.2/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.69	−11 4.8	2.009	2.856	12.8	19.8
4 21	15 51.76	−10 40.2	1.931	2.855	9.7	19.6
5 1	15 43.77	−10 15.3	1.877	2.853	6.2	19.4
5 11	15 34.44	− 9 53.3	1.850	2.850	3.4	19.2
5 21	15 24.67	− 9 37.1	1.851	2.847	4.4	19.3
5 31	15 15.44	− 9 29.4	1.879	2.844	7.8	19.5
6 10	15 7.62	− 9 32.3	1.933	2.839	11.2	19.7
6 20	15 1.81	− 9 46.3	2.009	2.834	14.3	19.9

330780 2008 TZ_{54} 5 15.5 104°.88 1°.7/13.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 48.64	−13 52.2	3.424	4.266	8.2	21.7
4 21	15 44.25	−13 13.0	3.358	4.281	6.0	21.6
5 1	15 38.83	−12 32.2	3.319	4.296	3.7	21.4
5 11	15 32.81	−11 51.9	3.308	4.311	1.8	21.3
5 21	15 26.66	−11 14.4	3.327	4.325	2.5	21.4
5 31	15 20.86	−10 41.6	3.375	4.339	4.7	21.5
6 10	15 15.83	−10 15.5	3.450	4.353	6.9	21.7
6 20	15 11.89	− 9 57.0	3.550	4.367	8.8	21.9

1802 Zhang Heng 5 15.5 152°.63 1°.4/14.7 18

4 11	15 53.93	−16 25.5	2.080	2.930	12.3	16.4
4 21	15 48.91	−16 0.4	2.005	2.932	9.2	16.2
5 1	15 41.99	−15 30.9	1.954	2.934	5.6	15.9
5 11	15 33.86	−14 59.6	1.929	2.935	2.0	15.7
5 21	15 25.38	−14 29.2	1.932	2.937	2.9	15.8
5 31	15 17.43	−14 3.2	1.963	2.938	6.6	16.0
6 10	15 10.82	−13 44.5	2.019	2.940	10.1	16.2
6 20	15 6.08	−13 35.1	2.098	2.941	13.1	16.4

308373 2005 RO_{15} 5 15.5 303°.25 1°.1/16.2 17

4 11	15 53.17	−22 59.4	2.050	2.892	12.8	20.7
4 21	15 48.63	−22 56.7	1.957	2.878	9.8	20.5
5 1	15 41.99	−22 45.3	1.888	2.864	6.2	20.2
5 11	15 33.91	−22 25.9	1.844	2.850	2.4	20.0
5 21	15 25.27	−22 0.2	1.828	2.836	2.3	19.9
5 31	15 17.06	−21 31.2	1.839	2.822	6.2	20.2
6 10	15 10.19	−21 3.0	1.875	2.809	10.0	20.4
6 20	15 5.32	−20 39.3	1.934	2.796	13.3	20.5

314136 2005 EA_{190} 5 15.5 115°.91 4°.0/17.6 17

4 11	15 58.98	−29 37.7	1.550	2.382	16.7	21.2
4 21	15 53.51	−29 45.6	1.479	2.387	13.1	21.0
5 1	15 45.16	−29 36.7	1.428	2.392	9.1	20.8
5 11	15 34.93	−29 9.8	1.401	2.397	5.2	20.6
5 21	15 24.12	−28 26.5	1.400	2.402	4.4	20.5
5 31	15 14.19	−27 31.9	1.424	2.407	7.7	20.7
6 10	15 6.37	−26 33.4	1.473	2.412	11.8	21.0
6 20	15 1.37	−25 38.4	1.543	2.416	15.5	21.2

103641 2000 CV_{33} 5 15.5 62°.70 3°.3/13.9 18

4 11	15 55.58	−12 58.6	1.529	2.394	15.2	19.3
4 21	15 50.63	−12 22.6	1.466	2.400	11.4	19.0
5 1	15 43.23	−11 44.5	1.425	2.405	7.1	18.8
5 11	15 34.29	−11 8.4	1.408	2.411	3.6	18.6
5 21	15 24.92	−10 38.7	1.417	2.418	4.8	18.7
5 31	15 16.33	−10 19.5	1.452	2.424	8.8	18.9
6 10	15 9.53	−10 13.6	1.510	2.430	12.9	19.2
6 20	15 5.14	−10 21.8	1.588	2.436	16.4	19.4

496856 1999 VQ_{131} 5 15.5 219°.23 0°.3/15.7 17

4 11	15 58.37	−20 49.0	1.956	2.795	13.5	22.7
4 21	15 52.53	−20 38.9	1.867	2.787	10.2	22.4
5 1	15 44.39	−20 20.9	1.801	2.778	6.3	22.2
5 11	15 34.69	−19 56.0	1.761	2.768	2.1	21.9
5 21	15 24.39	−19 26.4	1.749	2.757	2.4	21.9
5 31	15 14.60	−18 55.5	1.766	2.746	6.7	22.1
6 10	15 6.32	−18 27.7	1.808	2.734	10.7	22.3
6 20	15 0.24	−18 6.5	1.873	2.722	14.2	22.5

170412 2003 UX_{28} 5 15.5 164°.65 0°.3/15.7 17

4 11	15 58.61	−21 19.5	1.910	2.749	13.7	21.7
4 21	15 52.58	−21 3.4	1.834	2.754	10.3	21.5
5 1	15 44.32	−20 38.7	1.782	2.759	6.4	21.2
5 11	15 34.63	−20 6.7	1.756	2.763	2.1	21.0
5 21	15 24.51	−19 30.2	1.758	2.766	2.4	21.0
5 31	15 15.07	−18 53.1	1.788	2.769	6.6	21.3
6 10	15 7.23	−18 19.9	1.844	2.771	10.5	21.5
6 20	15 1.61	−17 54.1	1.922	2.772	13.9	21.7

343642 2010 JC_{42} 5 15.5 351°.99 5°.2/21.9 18

4 11	15 50.91	−45 50.0	4.186	4.894	9.0	20.2
4 21	15 46.19	−46 10.1	4.095	4.893	7.8	20.1
5 1	15 40.15	−46 18.1	4.026	4.892	6.6	20.0
5 11	15 33.27	−46 12.7	3.981	4.892	5.7	19.9
5 21	15 26.13	−45 53.9	3.963	4.891	5.3	19.9
5 31	15 19.31	−45 22.7	3.971	4.890	5.6	19.9
6 10	15 13.38	−44 41.7	4.005	4.890	6.4	20.0
6 20	15 8.75	−43 53.9	4.063	4.889	7.6	20.0

401345 2013 AJ_{103} 5 15.5 261°.26 3°.4/13.4 17

4 11	15 52.99	− 9 0.7	2.380	3.228	11.0	20.8
4 21	15 48.04	− 8 39.7	2.296	3.220	8.4	20.6
5 1	15 41.41	− 8 20.1	2.237	3.211	5.5	20.4
5 11	15 33.71	− 8 4.7	2.205	3.202	3.5	20.3
5 21	15 25.61	− 7 55.9	2.201	3.193	4.3	20.3
5 31	15 17.89	− 7 55.8	2.225	3.184	7.1	20.5
6 10	15 11.27	− 8 5.7	2.274	3.175	10.0	20.6
6 20	15 6.26	− 8 25.9	2.347	3.166	12.7	20.8

142128 2002 RE_{10} 5 15.5 142°.78 3°.8/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 59.49	−28 33.2	1.695	2.523	15.7	20.2
4 21	15 53.74	−28 54.7	1.620	2.527	12.3	20.0
5 1	15 45.27	−29 2.4	1.567	2.531	8.4	19.8
5 11	15 34.98	−28 54.8	1.538	2.535	4.8	19.6
5 21	15 24.09	−28 32.3	1.536	2.538	4.2	19.5
5 31	15 13.95	−27 58.7	1.560	2.541	7.4	19.7
6 10	15 5.73	−27 19.8	1.609	2.544	11.2	20.0
6 20	15 0.16	−26 41.7	1.679	2.547	14.7	20.2

501215 2013 TZ_{153} 5 15.5 285°.97 1°.3/16.1 17

4 11	15 56.36	−22 28.7	1.700	2.547	14.8	21.2
4 21	15 51.45	−22 36.3	1.611	2.534	11.3	21.0
5 1	15 43.94	−22 35.1	1.544	2.520	7.2	20.7
5 11	15 34.60	−22 25.1	1.501	2.507	2.8	20.4
5 21	15 24.49	−22 7.6	1.486	2.494	2.7	20.3
5 31	15 14.89	−21 45.8	1.496	2.480	7.2	20.6
6 10	15 6.95	−21 24.3	1.531	2.467	11.6	20.8
6 20	15 1.48	−21 7.6	1.587	2.454	15.5	21.0

92594 2000 PV_{16} 5 15.5 290°.83 2°.3/14.3 18

4 11	15 54.51	−15 18.9	1.690	2.550	14.2	20.0
4 21	15 50.03	−14 44.7	1.593	2.526	10.7	19.7
5 1	15 43.07	−14 4.6	1.519	2.501	6.7	19.4
5 11	15 34.33	−13 22.1	1.470	2.476	2.8	19.1
5 21	15 24.80	−12 41.3	1.447	2.451	4.1	19.1
5 31	15 15.66	−12 7.0	1.451	2.425	8.5	19.3
6 10	15 8.03	−11 43.7	1.478	2.400	12.9	19.5
6 20	15 2.73	−11 34.3	1.525	2.375	16.8	19.7

164629 1994 AB_{13} 5 15.5 241°.00 0°.3/15.3 18

4 11	15 49.49	−18 30.6	3.450	4.284	8.3	20.4
4 21	15 45.03	−18 19.5	3.356	4.275	6.2	20.3
5 1	15 39.41	−18 5.0	3.289	4.266	3.7	20.1
5 11	15 33.05	−17 48.1	3.250	4.257	1.2	19.9
5 21	15 26.43	−17 30.2	3.240	4.248	1.6	19.9
5 31	15 20.06	−17 13.0	3.261	4.238	4.2	20.1
6 10	15 14.44	−16 58.4	3.309	4.228	6.6	20.2
6 20	15 9.94	−16 47.8	3.381	4.218	8.8	20.4

26714 2001 GL_{1} 5 15.5 70°.08 6°.8/15.8 18

4 11	16 15.61	−23 6.7	1.002	1.853	22.4	18.0
4 21	16 7.92	−25 46.9	0.942	1.862	17.6	17.7
5 1	15 55.14	−28 25.9	0.901	1.870	12.2	17.5
5 11	15 38.40	−30 50.0	0.884	1.879	7.6	17.2
5 21	15 19.85	−32 45.8	0.891	1.888	7.7	17.3
5 31	15 2.39	−34 7.7	0.923	1.898	12.2	17.5
6 10	14 48.53	−35 0.7	0.977	1.907	17.2	17.9
6 20	14 39.65	−35 35.0	1.048	1.916	21.5	18.2

351282 2004 SH_{56} 5 15.5 329°.58 6°.5/19.9 18

4 11	15 53.88	−38 4.1	2.004	2.796	14.9	20.1
4 21	15 49.53	−38 22.6	1.913	2.784	12.4	19.9
5 1	15 42.70	−38 22.2	1.842	2.774	9.8	19.7
5 11	15 34.18	−38 0.2	1.795	2.763	7.4	19.5
5 21	15 25.05	−37 16.7	1.773	2.753	6.5	19.4
5 31	15 16.51	−36 14.7	1.776	2.744	7.9	19.5
6 10	15 9.64	−35 0.8	1.805	2.735	10.5	19.6
6 20	15 5.16	−33 42.3	1.856	2.726	13.4	19.8

236703 2007 EL_{48} 5 15.5 291°.95 5°.3/12.8 16

4 11	15 54.86	−11 29.7	1.287	2.163	16.8	20.6
4 21	15 50.91	−10 23.0	1.200	2.138	12.9	20.3
5 1	15 43.91	− 9 10.5	1.133	2.114	8.5	20.0
5 11	15 34.67	− 7 59.1	1.089	2.089	5.4	19.7
5 21	15 24.40	− 6 56.6	1.070	2.064	7.2	19.7
5 31	15 14.62	− 6 11.2	1.073	2.040	11.9	19.9
6 10	15 6.76	− 5 48.2	1.098	2.015	16.8	20.1
6 20	15 1.79	− 5 49.6	1.140	1.991	21.2	20.3

366272 Medellin 5 15.5 326°.89 9°.5/ 9.2 18

4 11	15 52.08	+ 8 11.8	2.108	2.934	13.1	19.6
4 21	15 47.48	+ 9 8.9	2.045	2.927	11.3	19.5
5 1	15 41.11	+ 9 52.2	2.003	2.920	9.9	19.4
5 11	15 33.62	+10 16.3	1.986	2.913	9.6	19.3
5 21	15 25.78	+10 17.3	1.992	2.906	10.4	19.4
5 31	15 18.44	+ 9 53.9	2.023	2.900	12.0	19.5
6 10	15 12.32	+ 9 7.2	2.074	2.894	14.0	19.6
6 20	15 7.94	+ 8 0.6	2.145	2.889	16.0	19.7

501675 2014 TS_{29} 5 15.5 143°.61 0°.1/15.6 17

4 11	15 58.93	−20 11.5	1.828	2.671	14.1	21.8
4 21	15 52.87	−20 0.5	1.758	2.680	10.6	21.6
5 1	15 44.52	−19 42.1	1.711	2.689	6.5	21.4
5 11	15 34.71	−19 17.6	1.690	2.697	2.1	21.1
5 21	15 24.50	−18 49.4	1.696	2.704	2.5	21.2
5 31	15 15.01	−18 21.4	1.731	2.711	6.8	21.5
6 10	15 7.19	−17 57.6	1.790	2.718	10.7	21.7
6 20	15 1.67	−17 41.2	1.872	2.723	14.1	21.9

243809 2000 SF_{223} 5 15.5 166°.13 2°.2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 58.07	−26 14.1	2.309	3.128	12.3	21.5
4 21	15 51.96	−26 21.7	2.228	3.133	9.5	21.3
5 1	15 43.87	−26 19.6	2.171	3.138	6.3	21.2
5 11	15 34.50	−26 7.4	2.141	3.141	3.1	21.0
5 21	15 24.73	−25 46.4	2.140	3.145	2.7	20.9
5 31	15 15.49	−25 19.1	2.167	3.147	5.7	21.1
6 10	15 7.63	−24 49.4	2.221	3.149	8.9	21.3
6 20	15 1.73	−24 21.2	2.299	3.151	11.8	21.5

118456 1999 VO_{205} 5 15.5 251°.70 5°.5/20.3 18

4 11	15 56.11	−39 52.8	2.721	3.481	12.2	19.8
4 21	15 50.56	−39 52.5	2.617	3.466	10.2	19.6
5 1	15 43.05	−39 35.5	2.534	3.451	8.1	19.5
5 11	15 34.25	−39 0.1	2.477	3.436	6.2	19.3
5 21	15 25.01	−38 6.7	2.447	3.421	5.5	19.3
5 31	15 16.27	−36 57.9	2.445	3.405	6.5	19.3
6 10	15 8.86	−35 38.8	2.470	3.389	8.6	19.4
6 20	15 3.35	−34 15.4	2.520	3.373	10.9	19.5

499811 2011 CW_{107} 5 15.5 138°.54 11°.9/ 6.8 17

4 11	15 54.07	+11 23.7	1.873	2.691	14.8	21.8
4 21	15 49.05	+13 4.8	1.828	2.696	13.1	21.7
5 1	15 42.08	+14 28.4	1.805	2.699	12.1	21.7
5 11	15 33.92	+15 26.7	1.805	2.703	12.0	21.7
5 21	15 25.47	+15 55.0	1.827	2.707	12.9	21.7
5 31	15 17.67	+15 51.6	1.870	2.710	14.5	21.8
6 10	15 11.32	+15 18.6	1.933	2.713	16.3	22.0
6 20	15 6.95	+14 20.3	2.012	2.716	18.0	22.1

41772 2000 VE_{43} 5 15.5 73°.32 1°.4/16.2 18

4 11	15 59.24	−23 3.9	1.395	2.249	17.1	19.3
4 21	15 53.63	−23 4.2	1.339	2.265	12.9	19.1
5 1	15 45.16	−22 53.0	1.304	2.281	8.1	18.8
5 11	15 34.93	−22 31.0	1.292	2.298	3.1	18.6
5 21	15 24.29	−22 0.9	1.306	2.314	2.9	18.6
5 31	15 14.69	−21 27.8	1.345	2.331	7.7	18.9
6 10	15 7.28	−20 57.3	1.408	2.347	12.2	19.2
6 20	15 2.70	−20 34.1	1.492	2.363	16.0	19.5

247653 2002 WE_{28} 5 15.5 336°.22 0°.3/15.3 18

4 11	15 48.91	−17 1.0	3.932	4.766	7.4	20.0
4 21	15 44.47	−17 10.3	3.844	4.763	5.5	19.9
5 1	15 39.02	−17 18.0	3.782	4.759	3.3	19.7
5 11	15 32.93	−17 24.5	3.749	4.756	1.1	19.5
5 21	15 26.62	−17 30.6	3.746	4.753	1.4	19.5
5 31	15 20.52	−17 37.1	3.773	4.750	3.7	19.7
6 10	15 15.06	−17 45.2	3.829	4.748	5.8	19.9
6 20	15 10.57	−17 55.7	3.909	4.745	7.7	20.0

208284 2001 BS_{35} 5 15.5 38°.29 11°.3/23.3 18

4 11	15 59.60	−45 39.4	0.969	1.780	25.9	19.0
4 21	15 55.82	−45 28.1	0.909	1.786	22.2	18.7
5 1	15 47.25	−44 29.9	0.864	1.793	18.0	18.5
5 11	15 35.66	−42 37.9	0.835	1.801	13.8	18.3
5 21	15 23.53	−39 55.0	0.826	1.809	11.4	18.2
5 31	15 13.39	−36 36.1	0.839	1.817	12.4	18.3
6 10	15 6.97	−33 5.3	0.873	1.826	15.9	18.5
6 20	15 4.82	−29 45.0	0.927	1.835	20.1	18.8

69236 1978 VF_{5} 5 15.5 92°.06 1°.2/15.1 18

4 11	15 59.34	−16 8.8	1.499	2.357	15.8	18.9
4 21	15 53.58	−16 11.6	1.435	2.365	11.8	18.7
5 1	15 45.13	−16 11.0	1.392	2.373	7.2	18.4
5 11	15 34.94	−16 8.4	1.374	2.381	2.4	18.1
5 21	15 24.25	−16 6.0	1.383	2.390	3.3	18.2
5 31	15 14.38	−16 6.4	1.417	2.397	8.0	18.5
6 10	15 6.46	−16 12.8	1.475	2.405	12.4	18.8
6 20	15 1.20	−16 26.9	1.555	2.413	16.1	19.0

71884 2000 VK_{59} 5 15.5 99°.29 3°.9/17.4 18

4 11	16 5.08	−28 33.1	1.752	2.569	15.7	19.0
4 21	15 57.57	−29 8.1	1.696	2.596	12.2	18.9
5 1	15 47.41	−29 29.5	1.662	2.623	8.4	18.7
5 11	15 35.62	−29 35.2	1.654	2.648	4.9	18.5
5 21	15 23.49	−29 25.7	1.674	2.674	4.2	18.5
5 31	15 12.37	−29 4.1	1.720	2.698	7.2	18.8
6 10	15 3.33	−28 36.3	1.793	2.722	10.7	19.0
6 20	14 57.01	−28 7.9	1.888	2.744	13.8	19.3

427469 2001 VB_{6} 5 15.5 95°.05 1°.4/14.5 18

4 11	15 56.52	−18 49.5	1.863	2.711	13.6	21.1
4 21	15 50.78	−17 47.1	1.806	2.733	10.1	20.9
5 1	15 43.06	−16 37.2	1.774	2.754	6.1	20.7
5 11	15 34.21	−15 23.8	1.769	2.776	2.1	20.5
5 21	15 25.20	−14 12.1	1.792	2.796	3.1	20.6
5 31	15 17.03	−13 7.5	1.843	2.817	7.1	20.9
6 10	15 10.46	−12 14.5	1.919	2.837	10.7	21.2
6 20	15 5.99	−11 35.6	2.018	2.856	13.7	21.4

176492 2001 XO_{235} 5 15.5 128°.49 0°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 54.04	−16 53.4	2.540	3.380	10.7	21.0
4 21	15 48.66	−16 43.0	2.468	3.390	7.9	20.9
5 1	15 41.71	−16 29.2	2.421	3.399	4.8	20.7
5 11	15 33.81	−16 13.6	2.402	3.409	1.6	20.5
5 21	15 25.63	−15 58.0	2.412	3.418	2.2	20.5
5 31	15 17.93	−15 44.6	2.450	3.426	5.4	20.8
6 10	15 11.36	−15 35.5	2.516	3.435	8.4	21.0
6 20	15 6.36	−15 32.3	2.605	3.443	11.0	21.2

294632 2008 AO_{45} 5 15.5 114°.44 1°.7/14.4 17

4 11	15 53.85	−14 21.7	2.451	3.295	10.9	21.2
4 21	15 48.52	−14 4.7	2.383	3.307	8.1	21.0
5 1	15 41.63	−13 45.8	2.340	3.318	5.0	20.9
5 11	15 33.78	−13 27.1	2.325	3.330	2.1	20.7
5 21	15 25.68	−13 10.6	2.339	3.341	2.8	20.8
5 31	15 18.08	−12 58.5	2.381	3.352	5.9	21.0
6 10	15 11.64	−12 52.9	2.449	3.363	8.8	21.2
6 20	15 6.80	−12 54.8	2.541	3.374	11.4	21.4

29786 1999 CO_{57} 5 15.5 134°.76 5°.9/11.9 18

4 11	15 55.63	− 4 25.8	1.969	2.818	13.0	18.9
4 21	15 50.09	− 3 25.3	1.911	2.829	10.1	18.7
5 1	15 42.67	− 2 29.6	1.876	2.839	7.4	18.6
5 11	15 34.12	− 1 43.6	1.867	2.849	6.0	18.5
5 21	15 25.31	− 1 11.6	1.886	2.858	7.0	18.6
5 31	15 17.14	− 0 56.6	1.930	2.866	9.5	18.7
6 10	15 10.39	− 0 59.4	1.999	2.875	12.3	18.9
6 20	15 5.55	− 1 18.8	2.088	2.882	14.8	19.1

58364 Feierberg 5 15.5 76°.36 4°.3/13.1 18

4 11	15 55.03	−11 0.7	1.647	2.509	14.4	19.6
4 21	15 49.92	−10 1.4	1.593	2.525	10.8	19.4
5 1	15 42.67	− 9 1.6	1.562	2.540	7.0	19.2
5 11	15 34.13	− 8 6.6	1.557	2.555	4.4	19.1
5 21	15 25.34	− 7 21.4	1.578	2.571	5.6	19.2
5 31	15 17.35	− 6 50.4	1.625	2.586	9.0	19.4
6 10	15 11.04	− 6 35.6	1.695	2.601	12.5	19.7
6 20	15 6.92	− 6 37.4	1.786	2.616	15.6	19.9

10352 Kawamura 5 15.5 291°.18 3°.9/16.9 18

4 11	15 59.59	−26 34.9	1.717	2.550	15.3	17.3
4 21	15 54.21	−27 25.9	1.619	2.529	12.1	17.0
5 1	15 45.89	−28 8.5	1.543	2.509	8.4	16.7
5 11	15 35.34	−28 39.4	1.492	2.489	4.8	16.5
5 21	15 23.68	−28 56.7	1.467	2.468	4.4	16.4
5 31	15 12.34	−29 1.2	1.468	2.448	7.9	16.5
6 10	15 2.71	−28 56.8	1.494	2.428	12.0	16.7
6 20	14 55.78	−28 48.6	1.542	2.408	15.9	16.9

230865 2004 RN_{188} 5 15.5 213°.07 0°.5/15.2 17

4 11	15 55.13	−20 8.0	2.250	3.089	11.9	21.3
4 21	15 49.78	−19 30.6	2.161	3.082	8.9	21.1
5 1	15 42.56	−18 45.1	2.097	3.075	5.5	20.9
5 11	15 34.12	−17 53.9	2.060	3.067	1.7	20.6
5 21	15 25.28	−17 0.2	2.052	3.059	2.3	20.7
5 31	15 16.93	−16 8.1	2.073	3.051	6.1	20.9
6 10	15 9.84	−15 21.7	2.120	3.042	9.6	21.1
6 20	15 4.59	−14 44.5	2.191	3.032	12.7	21.3

34973 5157 $T\text{-}_{2}$ 5 15.5 347°.26 1°.5/16.6 18

4 11	15 52.44	−25 46.8	2.065	2.901	13.0	19.2
4 21	15 47.97	−25 19.7	1.983	2.899	9.9	19.0
5 1	15 41.51	−24 40.6	1.925	2.897	6.4	18.8
5 11	15 33.79	−23 50.7	1.892	2.896	2.7	18.6
5 21	15 25.69	−22 53.2	1.887	2.895	2.3	18.5
5 31	15 18.16	−21 52.5	1.909	2.893	5.9	18.8
6 10	15 12.02	−20 53.9	1.958	2.893	9.5	19.0
6 20	15 7.84	−20 1.9	2.029	2.892	12.7	19.2

292560 2006 TR_{70} 5 15.5 180°.48 3°.2/12.9 18

4 11	15 51.91	−10 6.3	2.677	3.522	10.1	21.6
4 21	15 47.00	− 9 18.2	2.600	3.523	7.6	21.5
5 1	15 40.68	− 8 29.8	2.550	3.523	5.0	21.3
5 11	15 33.50	− 7 44.3	2.528	3.524	3.2	21.2
5 21	15 26.05	− 7 4.7	2.534	3.523	4.1	21.2
5 31	15 19.01	− 6 33.9	2.569	3.523	6.6	21.4
6 10	15 12.97	− 6 13.8	2.630	3.522	9.2	21.5
6 20	15 8.34	− 6 5.3	2.714	3.520	11.5	21.7

368918 2006 UN_{87} 5 15.5 238°.73 0°.3/15.7 17

4 11	15 57.72	−21 5.8	1.904	2.745	13.7	22.2
4 21	15 52.17	−20 54.4	1.812	2.733	10.4	21.9
5 1	15 44.27	−20 34.6	1.742	2.719	6.5	21.7
5 11	15 34.73	−20 7.4	1.699	2.706	2.2	21.4
5 21	15 24.53	−19 35.1	1.683	2.691	2.4	21.3
5 31	15 14.82	−19 1.2	1.695	2.676	6.9	21.6
6 10	15 6.62	−18 30.5	1.732	2.661	11.0	21.8
6 20	15 0.66	−18 6.7	1.792	2.645	14.6	22.0

107838 2001 FJ_{72} 5 15.5 87°.43 1°.6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 58.92	−15 42.7	1.539	2.397	15.5	19.7
4 21	15 53.08	−15 32.0	1.482	2.412	11.5	19.5
5 1	15 44.72	−15 17.7	1.446	2.427	7.0	19.2
5 11	15 34.81	−15 2.1	1.435	2.442	2.5	19.0
5 21	15 24.53	−14 48.0	1.451	2.457	3.5	19.1
5 31	15 15.14	−14 38.8	1.493	2.471	7.9	19.4
6 10	15 7.67	−14 37.5	1.559	2.486	12.1	19.7
6 20	15 2.72	−14 45.6	1.646	2.500	15.6	19.9

373528 2001 SS_{243} 5 15.5 203°.61 4°.6/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.90	−31 43.0	2.137	2.938	13.8	22.5
4 21	15 54.54	−32 18.9	2.047	2.934	11.1	22.3
5 1	15 45.71	−32 42.2	1.981	2.930	8.1	22.1
5 11	15 35.19	−32 50.3	1.940	2.924	5.4	21.9
5 21	15 23.98	−32 42.3	1.926	2.919	4.8	21.9
5 31	15 13.28	−32 20.2	1.941	2.913	7.0	22.0
6 10	15 4.16	−31 48.8	1.981	2.906	10.0	22.1
6 20	14 57.37	−31 13.4	2.045	2.898	13.0	22.3

351953 2006 TA_{88} 5 15.5 140°.25 2°.1/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.84	−25 15.6	2.395	3.219	11.8	21.5
4 21	15 50.28	−25 33.7	2.315	3.223	9.0	21.3
5 1	15 42.86	−25 43.8	2.259	3.227	6.0	21.1
5 11	15 34.23	−25 45.4	2.230	3.230	2.9	20.9
5 21	15 25.18	−25 39.1	2.229	3.234	2.6	20.9
5 31	15 16.61	−25 27.0	2.256	3.237	5.5	21.1
6 10	15 9.30	−25 12.1	2.311	3.240	8.6	21.3
6 20	15 3.81	−24 57.6	2.389	3.243	11.4	21.4

314353 2005 TH_{134} 5 15.5 201°.94 3°.6/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.72	−33 27.1	2.939	3.727	10.7	21.9
4 21	15 49.26	−33 32.3	2.846	3.723	8.6	21.7
5 1	15 42.16	−33 25.7	2.776	3.719	6.3	21.6
5 11	15 33.99	−33 6.6	2.733	3.714	4.3	21.4
5 21	15 25.47	−32 35.7	2.718	3.709	3.7	21.4
5 31	15 17.36	−31 55.1	2.733	3.704	5.2	21.5
6 10	15 10.35	−31 8.6	2.774	3.698	7.5	21.6
6 20	15 4.95	−30 20.2	2.841	3.692	9.8	21.7

496521 2014 VG_9 5 15.5 165°.64 0°.6/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.98	−20 2.3	1.816	2.663	14.0	21.4
4 21	15 51.46	−19 24.8	1.742	2.667	10.5	21.2
5 1	15 43.69	−18 38.3	1.691	2.670	6.4	21.0
5 11	15 34.50	−17 45.5	1.665	2.673	2.0	20.7
5 21	15 24.90	−16 50.5	1.668	2.675	2.7	20.7
5 31	15 15.99	−15 58.3	1.698	2.677	7.1	21.0
6 10	15 8.71	−15 13.8	1.753	2.678	11.1	21.2
6 20	15 3.66	−14 40.5	1.830	2.679	14.5	21.5

424989 2009 CF_7 5 15.6 347°.02 6°.7/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.48	− 7 24.7	1.100	1.987	18.1	20.0
4 21	15 49.21	− 6 42.1	1.037	1.979	14.0	19.8
5 1	15 42.83	− 6 3.7	0.992	1.972	9.7	19.5
5 11	15 34.33	− 5 36.8	0.969	1.966	6.8	19.3
5 21	15 25.06	− 5 27.5	0.968	1.961	8.2	19.4
5 31	15 16.60	− 5 39.9	0.989	1.957	12.4	19.6
6 10	15 10.31	− 6 14.8	1.029	1.954	16.9	19.8
6 20	15 7.02	− 7 9.9	1.086	1.953	21.0	20.1

119711 2001 XP_{193} 5 15.6 162°.94 1°.4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.03	−16 29.9	2.225	3.067	11.9	20.4
4 21	15 50.34	−16 0.1	2.150	3.073	8.9	20.2
5 1	15 42.84	−15 25.8	2.099	3.078	5.4	20.0
5 11	15 34.21	−14 49.5	2.076	3.083	2.0	19.8
5 21	15 25.25	−14 14.1	2.082	3.086	2.8	19.8
5 31	15 16.85	−13 43.0	2.116	3.090	6.4	20.1
6 10	15 9.75	−13 19.1	2.177	3.093	9.7	20.3
6 20	15 4.47	−13 4.5	2.261	3.095	12.6	20.5

96073 6677 *P–L* 5 15.6 234°.04 1°.8/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.84	−23 40.3	1.598	2.441	15.8	19.9
4 21	15 54.23	−23 50.3	1.513	2.433	12.1	19.7
5 1	15 45.75	−23 50.0	1.450	2.425	7.8	19.4
5 11	15 35.26	−23 38.7	1.411	2.416	3.3	19.1
5 21	15 23.95	−23 17.5	1.399	2.406	3.0	19.0
5 31	15 13.26	−22 50.1	1.413	2.397	7.6	19.3
6 10	15 4.46	−22 21.9	1.451	2.386	12.2	19.5
6 20	14 58.39	−21 58.1	1.511	2.376	16.2	19.7

465087 2006 UU_{39} 5 15.6 308°.51 0°.3/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.05	−21 17.5	1.368	2.234	16.6	21.4
4 21	15 50.30	−21 2.5	1.279	2.213	12.7	21.1
5 1	15 43.55	−20 35.8	1.210	2.192	8.0	20.8
5 11	15 34.61	−19 59.0	1.163	2.171	2.7	20.4
5 21	15 24.68	−19 15.2	1.142	2.150	3.0	20.4
5 31	15 15.28	−18 30.2	1.144	2.130	8.6	20.6
6 10	15 7.80	−17 50.6	1.169	2.111	13.8	20.9
6 20	15 3.19	−17 21.9	1.213	2.092	18.4	21.1

471637 2012 TD_{59} 5 15.6 255°.05 2°.1/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 55.31	−25 53.9	2.053	2.884	13.2	21.7
4 21	15 50.25	−25 51.6	1.964	2.876	10.2	21.5
5 1	15 43.02	−25 38.5	1.897	2.867	6.7	21.3
5 11	15 34.32	−25 14.5	1.857	2.859	3.2	21.0
5 21	15 25.09	−24 41.2	1.844	2.850	2.7	21.0
5 31	15 16.36	−24 2.0	1.859	2.842	6.2	21.2
6 10	15 9.07	−23 21.7	1.899	2.833	9.9	21.4
6 20	15 3.87	−22 44.7	1.962	2.824	13.2	21.6

304291 2006 SW_{73} 5 15.6 315°.63 4°.4/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.95	−10 6.1	1.957	2.818	12.5	20.9
4 21	15 46.84	− 8 59.7	1.879	2.809	9.5	20.6
5 1	15 40.84	− 7 51.8	1.825	2.801	6.4	20.4
5 11	15 33.61	− 6 47.4	1.798	2.793	4.4	20.3
5 21	15 25.98	− 5 51.7	1.797	2.785	5.6	20.3
5 31	15 18.84	− 5 9.2	1.823	2.778	8.7	20.5
6 10	15 13.00	− 4 42.9	1.873	2.771	11.9	20.7
6 20	15 8.99	− 4 33.7	1.943	2.764	14.9	20.9

36145 1999 RK_{178} 5 15.6 205°.19 6°.4/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.84	− 0 9.8	2.463	3.304	10.9	18.3
4 21	15 46.32	+ 0 56.7	2.396	3.303	8.8	18.2
5 1	15 40.32	+ 1 57.0	2.354	3.302	7.1	18.1
5 11	15 33.41	+ 2 46.6	2.338	3.300	6.4	18.0
5 21	15 26.24	+ 3 21.8	2.350	3.298	7.3	18.1
5 31	15 19.48	+ 3 39.9	2.387	3.296	9.2	18.2
6 10	15 13.75	+ 3 40.3	2.447	3.294	11.3	18.3
6 20	15 9.50	+ 3 23.9	2.529	3.292	13.3	18.5

190450 2000 AZ_{78} 5 15.6 163°.97 2°.3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.53	−12 32.1	2.647	3.488	10.3	20.9
4 21	15 48.95	−11 58.8	2.573	3.494	7.7	20.7
5 1	15 41.88	−11 24.1	2.524	3.500	4.8	20.5
5 11	15 33.90	−10 50.5	2.503	3.505	2.5	20.4
5 21	15 25.67	−10 20.8	2.512	3.509	3.3	20.5
5 31	15 17.89	− 9 57.4	2.550	3.513	6.1	20.6
6 10	15 11.17	− 9 42.3	2.615	3.517	8.8	20.8
6 20	15 5.96	− 9 36.5	2.703	3.519	11.3	21.0

17379 1981 ED_8 5 15.6 104°.01 3°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.00	−27 12.3	1.492	2.333	16.8	18.7
4 21	15 53.56	−27 13.7	1.424	2.340	13.0	18.5
5 1	15 45.24	−26 59.8	1.377	2.347	8.6	18.2
5 11	15 35.04	−26 30.3	1.353	2.354	4.3	18.0
5 21	15 24.31	−25 47.4	1.355	2.361	3.6	18.0
5 31	15 14.49	−24 56.4	1.383	2.368	7.6	18.2
6 10	15 6.79	−24 4.6	1.435	2.374	12.0	18.5
6 20	15 1.91	−23 18.2	1.508	2.381	15.8	18.7

16643 1993 RV_{15} 5 15.6 336°.02 5°.9/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.42	−29 41.5	1.275	2.121	18.8	17.6
4 21	15 53.99	−30 36.0	1.201	2.115	15.1	17.4
5 1	15 46.00	−31 15.2	1.145	2.109	10.8	17.1
5 11	15 35.42	−31 34.7	1.111	2.104	7.0	16.9
5 21	15 23.76	−31 32.4	1.101	2.099	6.2	16.8
5 31	15 12.87	−31 11.1	1.114	2.095	9.5	17.0
6 10	15 4.42	−30 37.9	1.148	2.092	13.9	17.2
6 20	14 59.40	−30 1.5	1.202	2.089	18.0	17.4

39643 1995 KK_4 5 15.6 163°.89 0°.9/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.03	−18 56.9	1.747	2.596	14.4	19.6
4 21	15 52.32	−18 25.1	1.674	2.600	10.7	19.4
5 1	15 44.26	−17 45.4	1.624	2.604	6.6	19.1
5 11	15 34.71	−17 0.5	1.600	2.607	2.1	18.8
5 21	15 24.72	−16 14.2	1.603	2.610	2.9	18.9
5 31	15 15.44	−15 31.2	1.634	2.612	7.4	19.2
6 10	15 7.87	−14 56.2	1.689	2.614	11.4	19.4
6 20	15 2.61	−14 32.2	1.766	2.615	14.9	19.7

48831 1997 YG_3 5 15.6 121°.39 3°.0/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.80	−29 53.1	2.263	3.078	12.7	18.7
4 21	15 49.60	−29 44.5	2.184	3.084	9.9	18.5
5 1	15 42.46	−29 22.8	2.129	3.089	6.8	18.3
5 11	15 34.12	−28 48.1	2.099	3.094	3.9	18.1
5 21	15 25.43	−28 2.3	2.097	3.099	3.2	18.1
5 31	15 17.33	−27 9.1	2.123	3.104	5.7	18.3
6 10	15 10.64	−26 13.4	2.176	3.109	8.8	18.4
6 20	15 5.87	−25 20.0	2.252	3.113	11.7	18.6

196546 2003 PT_{11} 5 15.6 289°.30 7°.9/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.01	− 1 45.4	1.846	2.700	13.5	20.2
4 21	15 48.64	− 0 19.7	1.756	2.672	10.9	19.9
5 1	15 42.11	+ 1 2.7	1.690	2.645	8.7	19.7
5 11	15 34.08	+ 2 14.4	1.648	2.617	7.9	19.6
5 21	15 25.40	+ 3 8.9	1.632	2.589	9.2	19.6
5 31	15 17.08	+ 3 40.8	1.641	2.561	11.9	19.7
6 10	15 10.07	+ 3 47.9	1.672	2.533	15.0	19.9
6 20	15 5.06	+ 3 31.0	1.721	2.504	17.9	20.0

478059 2011 TR_{13} 5 15.6 209°.25 3°.0/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.01	−29 44.7	3.094	3.889	10.1	22.4
4 21	15 50.93	−30 10.2	2.996	3.882	8.0	22.2
5 1	15 43.21	−30 27.2	2.923	3.875	5.6	22.0
5 11	15 34.37	−30 34.6	2.878	3.866	3.5	21.9
5 21	15 25.10	−30 32.3	2.862	3.858	3.1	21.8
5 31	15 16.12	−30 21.7	2.876	3.848	4.9	21.9
6 10	15 8.14	−30 5.2	2.918	3.839	7.3	22.1
6 20	15 1.67	−29 46.0	2.985	3.828	9.6	22.2

237968 2002 RF_{176} 5 15.6 231°.83 0°.5/15.9 18

4 11	15 54.09	−22 17.7	2.187	3.025	12.3	21.1
4 21	15 49.11	−21 54.4	2.100	3.020	9.2	20.9
5 1	15 42.21	−21 22.4	2.037	3.013	5.8	20.7
5 11	15 34.07	−20 42.9	2.001	3.007	2.0	20.4
5 21	15 25.49	−19 58.7	1.993	3.001	2.1	20.4
5 31	15 17.41	−19 13.6	2.013	2.994	5.9	20.7
6 10	15 10.63	−18 31.7	2.059	2.987	9.5	20.9
6 20	15 5.72	−17 56.7	2.128	2.980	12.6	21.1

366720 2003 YL_{27} 5 15.6 242°.66 2°.4/14.3 18

4 11	15 58.64	−13 39.9	1.921	2.768	13.3	21.2
4 21	15 52.82	−13 19.1	1.827	2.751	10.1	21.0
5 1	15 44.68	−12 55.6	1.756	2.734	6.3	20.7
5 11	15 34.91	−12 32.2	1.711	2.715	2.8	20.4
5 21	15 24.45	−12 11.6	1.694	2.696	3.9	20.5
5 31	15 14.39	−11 57.2	1.705	2.676	7.8	20.7
6 10	15 5.76	−11 52.0	1.742	2.655	11.8	20.8
6 20	14 59.29	−11 57.7	1.800	2.634	15.3	21.0

185194 2006 TY_{4} 5 15.6 139°.99 2°.2/13.9 18

4 11	15 53.08	−12 50.6	2.569	3.413	10.5	21.5
4 21	15 47.92	−12 22.6	2.498	3.421	7.8	21.3
5 1	15 41.28	−11 53.3	2.452	3.429	4.9	21.1
5 11	15 33.73	−11 25.2	2.434	3.437	2.4	21.0
5 21	15 25.94	−11 0.8	2.445	3.444	3.2	21.0
5 31	15 18.60	−10 42.4	2.485	3.451	6.0	21.2
6 10	15 12.34	−10 31.9	2.551	3.457	8.8	21.4
6 20	15 7.58	−10 30.3	2.640	3.464	11.3	21.6

299808 2006 SZ_{120} 5 15.6 195°.45 3°.0/12.9 17

4 11	15 51.99	− 9 26.3	3.051	3.891	9.1	22.7
4 21	15 46.95	− 8 44.2	2.969	3.888	6.9	22.5
5 1	15 40.63	− 8 2.2	2.913	3.884	4.6	22.4
5 11	15 33.53	− 7 22.9	2.886	3.880	3.0	22.3
5 21	15 26.18	− 6 49.0	2.888	3.875	3.8	22.3
5 31	15 19.16	− 6 22.8	2.919	3.870	6.0	22.4
6 10	15 13.00	− 6 6.1	2.977	3.864	8.4	22.6
6 20	15 8.10	− 5 59.4	3.058	3.857	10.5	22.7

516849 2011 BA_{165} 5 15.6 2°.86 2°.5/16.7 17

4 11	15 54.46	−25 15.6	1.447	2.302	16.5	20.9
4 21	15 50.30	−25 22.9	1.376	2.301	12.7	20.7
5 1	15 43.34	−25 17.3	1.325	2.301	8.3	20.4
5 11	15 34.50	−24 58.5	1.298	2.301	3.8	20.1
5 21	15 25.03	−24 28.6	1.295	2.302	3.3	20.1
5 31	15 16.31	−23 52.1	1.317	2.304	7.6	20.4
6 10	15 9.58	−23 15.2	1.362	2.306	12.1	20.6
6 20	15 5.57	−22 43.3	1.428	2.310	16.0	20.9

341484 2007 TV_{365} 5 15.6 249°.72 1°.5/14.6 17

4 11	15 53.95	−16 3.0	2.090	2.940	12.3	21.3
4 21	15 49.04	−15 38.0	2.007	2.934	9.2	21.1
5 1	15 42.20	−15 8.8	1.947	2.927	5.6	20.8
5 11	15 34.09	−14 37.8	1.914	2.920	2.1	20.6
5 21	15 25.52	−14 7.9	1.908	2.913	3.0	20.6
5 31	15 17.43	−13 42.4	1.930	2.905	6.7	20.8
6 10	15 10.63	−13 24.5	1.978	2.898	10.3	21.0
6 20	15 5.71	−13 16.0	2.048	2.890	13.4	21.2

196918 2003 TE_{54} 5 15.6 117°.85 1°.4/14.9 17

4 11	15 55.39	−15 53.6	1.941	2.792	13.0	20.5
4 21	15 50.19	−15 43.5	1.866	2.793	9.7	20.3
5 1	15 42.92	−15 30.2	1.815	2.795	6.0	20.1
5 11	15 34.31	−15 15.5	1.790	2.796	2.1	19.8
5 21	15 25.27	−15 1.7	1.792	2.798	2.9	19.9
5 31	15 16.79	−14 51.6	1.822	2.799	6.9	20.1
6 10	15 9.75	−14 47.9	1.877	2.800	10.5	20.4
6 20	15 4.74	−14 52.3	1.954	2.802	13.8	20.6

173577 2001 BB_{64} 5 15.6 145°.84 0°.4/15.4 18

4 11	15 58.67	−19 52.7	1.867	2.709	13.9	20.1
4 21	15 52.64	−19 27.6	1.797	2.719	10.4	19.9
5 1	15 44.39	−18 54.7	1.750	2.728	6.3	19.7
5 11	15 34.76	−18 16.2	1.730	2.737	2.0	19.4
5 21	15 24.78	−17 35.1	1.737	2.745	2.5	19.5
5 31	15 15.51	−16 55.8	1.773	2.752	6.8	19.8
6 10	15 7.89	−16 22.6	1.834	2.759	10.7	20.0
6 20	15 2.48	−15 58.5	1.918	2.765	14.0	20.2

291519 2006 DF_{214} 5 15.6 273°.32 3°.5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 45.00	− 1 51.9	4.349	5.185	6.7	20.6
4 21	15 41.51	− 1 13.1	4.271	5.178	5.3	20.5
5 1	15 37.22	− 0 37.4	4.220	5.171	4.1	20.4
5 11	15 32.44	− 0 7.0	4.196	5.165	3.5	20.3
5 21	15 27.51	+ 0 16.3	4.202	5.158	4.1	20.4
5 31	15 22.78	+ 0 31.4	4.234	5.151	5.3	20.4
6 10	15 18.57	+ 0 37.4	4.293	5.144	6.8	20.5
6 20	15 15.15	+ 0 34.3	4.375	5.137	8.1	20.6

287409 2002 VE_{117} 5 15.6 179°.86 3°.5/17.5 17

4 11	15 59.01	−28 59.4	1.882	2.703	14.6	20.7
4 21	15 53.21	−29 10.2	1.801	2.704	11.5	20.4
5 1	15 44.93	−29 7.4	1.743	2.705	7.9	20.2
5 11	15 35.00	−28 49.9	1.710	2.705	4.5	20.0
5 21	15 24.50	−28 18.7	1.703	2.705	3.8	20.0
5 31	15 14.67	−27 37.3	1.724	2.705	6.8	20.2
6 10	15 6.56	−26 51.5	1.770	2.704	10.5	20.4
6 20	15 0.87	−26 7.0	1.839	2.702	13.8	20.6

333683 2008 TL_{181} 5 15.6 210°.28 6°.9/10.7 18

4 11	15 53.98	− 0 24.2	2.186	3.027	12.1	21.1
4 21	15 48.86	+ 0 38.4	2.115	3.023	9.8	21.0
5 1	15 42.00	+ 1 34.5	2.068	3.018	7.7	20.8
5 11	15 34.02	+ 2 19.0	2.047	3.013	6.9	20.8
5 21	15 25.69	+ 2 47.5	2.053	3.007	7.8	20.8
5 31	15 17.82	+ 2 57.5	2.085	3.001	10.0	20.9
6 10	15 11.17	+ 2 48.3	2.140	2.994	12.4	21.1
6 20	15 6.23	+ 2 21.3	2.216	2.988	14.8	21.2

62107 2000 RF_{97} 5 15.6 184°.58 6°.3/21.2 18

4 11	15 57.71	−42 37.2	2.645	3.389	12.9	18.8
4 21	15 51.82	−42 43.0	2.555	3.389	10.9	18.7
5 1	15 43.86	−42 30.4	2.487	3.389	8.9	18.5
5 11	15 34.61	−41 57.7	2.444	3.388	7.1	18.4
5 21	15 25.00	−41 5.1	2.426	3.387	6.3	18.4
5 31	15 16.02	−39 55.5	2.436	3.386	7.1	18.4
6 10	15 8.55	−38 34.4	2.473	3.385	8.8	18.5
6 20	15 3.14	−37 8.0	2.534	3.383	10.9	18.6

68146 2001 AJ_{44} 5 15.6 209°.82 9°.5/20.2 18

4 11	16 9.48	−44 52.2	2.206	2.933	15.6	20.0
4 21	16 1.73	−46 9.8	2.113	2.925	13.7	19.8
5 1	15 50.60	−47 8.8	2.040	2.917	11.7	19.7
5 11	15 36.94	−47 42.5	1.990	2.907	10.1	19.6
5 21	15 22.09	−47 46.9	1.966	2.897	9.5	19.5
5 31	15 7.73	−47 22.2	1.967	2.886	10.3	19.5
6 10	14 55.44	−46 33.9	1.992	2.874	12.1	19.6
6 20	14 46.27	−45 30.5	2.040	2.861	14.3	19.7

390523 1996 TE_{22} 5 15.6 21°.84 4°.6/17.8 17

4 11	15 57.60	−30 44.1	2.028	2.842	14.0	20.7
4 21	15 52.13	−31 26.6	1.949	2.844	11.2	20.5
5 1	15 44.27	−31 57.1	1.892	2.845	8.1	20.3
5 11	15 34.80	−32 13.1	1.860	2.847	5.3	20.2
5 21	15 24.73	−32 14.1	1.855	2.849	4.8	20.1
5 31	15 15.19	−32 1.7	1.877	2.851	6.9	20.3
6 10	15 7.25	−31 40.4	1.924	2.854	10.0	20.4
6 20	15 1.59	−31 15.3	1.994	2.856	13.0	20.6

436855 2012 SF_{49} 5 15.6 170°.92 0°.1/15.5 17

4 11	15 54.97	−19 46.1	2.124	2.966	12.4	21.7
4 21	15 49.76	−19 32.4	2.045	2.968	9.3	21.5
5 1	15 42.62	−19 12.4	1.990	2.969	5.7	21.3
5 11	15 34.23	−18 47.5	1.962	2.970	1.8	21.1
5 21	15 25.45	−18 20.0	1.962	2.970	2.2	21.1
5 31	15 17.19	−17 53.1	1.990	2.971	6.1	21.3
6 10	15 10.28	−17 30.3	2.044	2.971	9.6	21.5
6 20	15 5.28	−17 14.1	2.121	2.971	12.7	21.8

438133 2005 QB_{181} 5 15.6 241°.43 3°.9/11.9 18

4 11	15 51.39	− 8 22.5	2.694	3.540	10.0	21.6
4 21	15 46.72	− 7 16.0	2.605	3.526	7.6	21.5
5 1	15 40.61	− 6 9.0	2.543	3.512	5.3	21.3
5 11	15 33.58	− 5 5.3	2.509	3.498	4.0	21.2
5 21	15 26.22	− 4 8.9	2.504	3.483	4.9	21.2
5 31	15 19.19	− 3 23.2	2.527	3.468	7.3	21.3
6 10	15 13.10	− 2 50.6	2.575	3.453	9.8	21.5
6 20	15 8.40	− 2 32.1	2.647	3.437	12.1	21.6

315457 2007 XC_{28} 5 15.6 121°.03 3°.1/17.3 17

4 11	16 0.77	−28 23.5	1.823	2.645	15.0	21.9
4 21	15 54.37	−28 26.1	1.757	2.661	11.6	21.7
5 1	15 45.52	−28 14.6	1.713	2.677	7.8	21.5
5 11	15 35.15	−27 48.7	1.694	2.692	4.2	21.3
5 21	15 24.42	−27 10.1	1.702	2.706	3.5	21.3
5 31	15 14.54	−26 23.3	1.738	2.720	6.7	21.5
6 10	15 6.52	−25 34.3	1.800	2.733	10.4	21.7
6 20	15 0.98	−24 48.6	1.885	2.746	13.6	22.0

213436 2001 YN_6 5 15.6 142°.20 3°.5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 51.89	−10 4.1	2.399	3.249	10.9	20.6
4 21	15 47.15	− 9 10.4	2.329	3.254	8.2	20.5
5 1	15 40.87	− 8 16.4	2.284	3.258	5.4	20.3
5 11	15 33.65	− 7 25.9	2.267	3.263	3.6	20.2
5 21	15 26.17	− 6 42.4	2.278	3.267	4.6	20.3
5 31	15 19.17	− 6 9.1	2.316	3.270	7.2	20.4
6 10	15 13.27	− 5 48.2	2.380	3.274	9.9	20.6
6 20	15 8.92	− 5 40.3	2.467	3.278	12.4	20.8

316211 2010 MB_{99} 5 15.6 138°.89 2°.2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.33	−15 47.6	1.995	2.842	12.9	21.5
4 21	15 51.41	−14 54.5	1.930	2.855	9.6	21.3
5 1	15 43.54	−13 56.4	1.888	2.867	5.9	21.1
5 11	15 34.51	−12 57.1	1.874	2.879	2.5	20.9
5 21	15 25.22	−12 0.9	1.889	2.890	3.6	21.0
5 31	15 16.62	−11 12.4	1.931	2.900	7.2	21.3
6 10	15 9.51	−10 35.1	1.999	2.910	10.7	21.5
6 20	15 4.40	−10 10.9	2.090	2.919	13.7	21.7

101934 1999 RS_{22} 5 15.6 281°.00 3°.9/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.56	−28 21.8	1.599	2.433	16.2	19.9
4 21	15 53.65	−28 39.1	1.499	2.409	12.8	19.6
5 1	15 45.67	−28 42.3	1.419	2.385	8.9	19.4
5 11	15 35.39	−28 29.0	1.363	2.361	5.0	19.1
5 21	15 24.00	−27 58.9	1.333	2.336	4.3	19.0
5 31	15 13.02	−27 15.5	1.328	2.311	8.1	19.1
6 10	15 3.90	−26 25.4	1.347	2.285	12.7	19.3
6 20	14 57.63	−25 36.0	1.387	2.260	16.9	19.5

466098 2012 CZ_8 5 15.6 35°.74 0°.8/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.02	−21 58.2	1.295	2.160	17.4	21.7
4 21	15 51.53	−21 51.2	1.236	2.168	13.1	21.4
5 1	15 44.09	−21 33.0	1.196	2.177	8.2	21.1
5 11	15 34.77	−21 5.1	1.179	2.186	2.9	20.9
5 21	15 24.92	−20 30.8	1.187	2.196	2.9	20.9
5 31	15 16.03	−19 55.4	1.219	2.206	8.1	21.2
6 10	15 9.33	−19 25.0	1.274	2.217	12.9	21.5
6 20	15 5.49	−19 3.8	1.349	2.228	16.9	21.8

108855 2001 OU_{94} 5 15.6 281°.29 4°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.06	−29 46.4	1.669	2.499	15.8	19.6
4 21	15 52.26	−29 56.1	1.577	2.484	12.6	19.3
5 1	15 44.64	−29 50.1	1.505	2.468	8.8	19.0
5 11	15 35.02	−29 26.7	1.458	2.453	5.2	18.8
5 21	15 24.55	−28 46.4	1.435	2.437	4.4	18.7
5 31	15 14.64	−27 53.3	1.439	2.422	7.7	18.9
6 10	15 6.57	−26 54.3	1.468	2.407	11.8	19.1
6 20	15 1.18	−25 56.7	1.517	2.391	15.6	19.3

4598 Coradini 5 15.6 223°.44 3°.0/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.16	−11 58.2	2.415	3.265	10.9	17.4
4 21	15 47.43	−11 7.4	2.333	3.259	8.1	17.2
5 1	15 41.11	−10 14.5	2.277	3.253	5.2	17.0
5 11	15 33.77	− 9 23.1	2.247	3.247	3.1	16.8
5 21	15 26.10	− 8 36.7	2.247	3.240	4.1	16.9
5 31	15 18.85	− 7 58.9	2.274	3.234	6.9	17.0
6 10	15 12.68	− 7 32.1	2.327	3.227	9.8	17.2
6 20	15 8.08	− 7 17.7	2.402	3.220	12.5	17.4

123035 2000 SK_{288} 5 15.6 132°.59 6°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.70	−38 10.8	2.019	2.801	15.2	19.5
4 21	15 53.71	−38 22.5	1.943	2.809	12.5	19.3
5 1	15 45.20	−38 14.4	1.887	2.816	9.7	19.2
5 11	15 35.10	−37 44.5	1.856	2.824	7.2	19.0
5 21	15 24.57	−36 53.2	1.850	2.831	6.3	19.0
5 31	15 14.85	−35 44.8	1.871	2.838	7.6	19.1
6 10	15 7.00	−34 26.3	1.918	2.844	10.2	19.2
6 20	15 1.64	−33 5.3	1.989	2.850	13.0	19.4

84668 2002 VS_{82} 5 15.6 252°.20 3°.7/13.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.65	−10 56.8	1.816	2.671	13.7	19.3
4 21	15 51.39	−10 25.3	1.730	2.657	10.4	19.1
5 1	15 43.84	− 9 53.2	1.666	2.643	6.7	18.8
5 11	15 34.71	− 9 24.0	1.629	2.629	3.9	18.6
5 21	15 24.96	− 9 1.6	1.618	2.614	5.0	18.6
5 31	15 15.68	− 8 49.4	1.634	2.599	8.6	18.8
6 10	15 7.86	− 8 49.9	1.674	2.584	12.4	19.0
6 20	15 2.22	− 9 4.0	1.736	2.568	15.9	19.2

11275 1988 SL_3 5 15.6 256°.43 5°.4/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 45.79	+10 12.7	4.563	5.360	7.0	19.1
4 21	15 42.07	+10 48.1	4.498	5.354	6.1	19.0
5 1	15 37.57	+11 16.0	4.457	5.348	5.5	18.9
5 11	15 32.60	+11 34.2	4.442	5.341	5.4	18.9
5 21	15 27.49	+11 41.3	4.453	5.335	5.8	18.9
5 31	15 22.59	+11 36.3	4.490	5.329	6.7	19.0
6 10	15 18.20	+11 19.5	4.550	5.322	7.7	19.1
6 20	15 14.59	+10 51.6	4.631	5.316	8.7	19.1

360693 2004 SF_{47} 5 15.6 281°.56 3°.7/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 59.12	−27 15.1	1.452	2.294	17.1	21.0
4 21	15 54.34	−27 34.8	1.355	2.271	13.5	20.7
5 1	15 46.25	−27 40.7	1.278	2.247	9.3	20.4
5 11	15 35.63	−27 30.2	1.224	2.223	5.0	20.1
5 21	15 23.77	−27 3.0	1.194	2.199	4.3	20.0
5 31	15 12.33	−26 22.6	1.190	2.174	8.6	20.2
6 10	15 2.91	−25 36.0	1.209	2.150	13.6	20.4
6 20	14 56.60	−24 51.1	1.247	2.125	18.1	20.6

505169 2012 SQ_{56} 5 15.6 162°.44 3°.2/18.4 18 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.99	−33 40.0	3.869	4.635	8.8	24.6
4 21	15 52.07	−34 4.7	3.781	4.644	7.1	24.4
5 1	15 43.78	−34 20.2	3.719	4.652	5.2	24.3
5 11	15 34.61	−34 25.7	3.686	4.660	3.7	24.2
5 21	15 25.14	−34 21.0	3.683	4.666	3.3	24.2
5 31	15 16.00	−34 7.2	3.710	4.672	4.4	24.3
6 10	15 7.77	−33 46.9	3.767	4.677	6.1	24.4
6 20	15 0.86	−33 22.6	3.851	4.682	7.9	24.5

89673 2001 YW_{27} 5 15.6 304°.93 1°.4/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.65	−16 1.1	1.544	2.407	15.2	19.2
4 21	15 51.19	−15 58.7	1.454	2.387	11.5	18.9
5 1	15 44.00	−15 52.7	1.385	2.367	7.1	18.6
5 11	15 34.84	−15 44.9	1.340	2.347	2.5	18.3
5 21	15 24.77	−15 37.8	1.320	2.327	3.4	18.3
5 31	15 15.14	−15 34.4	1.326	2.308	8.4	18.5
6 10	15 7.19	−15 38.3	1.356	2.289	13.1	18.7
6 20	15 1.79	−15 51.5	1.406	2.270	17.2	18.9

59541 1999 JE_{31} 5 15.6 290°.18 0°.1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.27	−20 48.7	1.828	2.675	13.9	18.9
4 21	15 51.47	−20 29.2	1.716	2.641	10.6	18.7
5 1	15 44.12	−20 0.1	1.627	2.606	6.7	18.3
5 11	15 34.88	−19 22.5	1.564	2.571	2.2	18.0
5 21	15 24.70	−18 38.9	1.527	2.535	2.6	17.9
5 31	15 14.77	−17 53.6	1.517	2.499	7.5	18.1
6 10	15 6.26	−17 12.1	1.532	2.462	12.0	18.3
6 20	15 0.04	−16 39.1	1.569	2.426	16.1	18.5

367770 2010 WW_{71} 5 15.6 225°.44 0°.1/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.94	−19 30.4	1.799	2.645	14.1	21.5
4 21	15 52.44	−19 24.1	1.715	2.639	10.7	21.3
5 1	15 44.51	−19 11.1	1.654	2.632	6.6	21.0
5 11	15 34.94	−18 52.4	1.618	2.625	2.1	20.7
5 21	15 24.75	−18 30.2	1.610	2.618	2.5	20.7
5 31	15 15.12	−18 8.1	1.629	2.610	7.1	21.0
6 10	15 7.09	−17 49.9	1.673	2.602	11.2	21.2
6 20	15 1.38	−17 38.9	1.739	2.594	14.9	21.4

478104 2011 UL_{74} 5 15.6 208°.05 1°.2/14.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.49	−16 32.7	2.668	3.509	10.2	22.2
4 21	15 47.58	−16 2.9	2.582	3.505	7.6	22.0
5 1	15 41.17	−15 29.2	2.522	3.500	4.6	21.8
5 11	15 33.80	−14 53.5	2.489	3.495	1.7	21.6
5 21	15 26.12	−14 18.5	2.486	3.490	2.5	21.7
5 31	15 18.83	−13 46.9	2.511	3.484	5.5	21.9
6 10	15 12.54	−13 21.3	2.563	3.478	8.4	22.0
6 20	15 7.72	−13 3.6	2.640	3.472	11.0	22.2

504532 2008 SH_2 5 15.6 230°.37 2°.3/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.67	−14 17.6	2.304	3.149	11.5	22.1
4 21	15 49.45	−13 32.1	2.213	3.137	8.6	21.9
5 1	15 42.43	−12 42.6	2.147	3.125	5.4	21.7
5 11	15 34.23	−11 52.2	2.108	3.111	2.6	21.5
5 21	15 25.60	−11 4.4	2.098	3.098	3.6	21.5
5 31	15 17.38	−10 23.1	2.117	3.083	6.9	21.7
6 10	15 10.33	− 9 51.6	2.161	3.068	10.2	21.9
6 20	15 4.99	− 9 31.9	2.229	3.053	13.1	22.0

87426 2000 QH_{101} 5 15.6 209°.53 2°.0/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.23	−14 28.5	2.046	2.894	12.6	19.7
4 21	15 50.79	−14 8.6	1.965	2.890	9.4	19.5
5 1	15 43.32	−13 46.0	1.907	2.886	5.8	19.3
5 11	15 34.53	−13 23.0	1.876	2.881	2.4	19.0
5 21	15 25.27	−13 2.4	1.873	2.876	3.3	19.1
5 31	15 16.50	−12 47.2	1.898	2.870	7.0	19.3
6 10	15 9.10	−12 39.9	1.948	2.865	10.6	19.5
6 20	15 3.65	−12 42.1	2.021	2.858	13.7	19.7

383283 2006 DR_{178} 5 15.6 311°.58 2°.6/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.92	−25 59.6	1.867	2.700	14.2	21.2
4 21	15 51.66	−26 15.4	1.787	2.700	11.0	21.0
5 1	15 44.02	−26 20.5	1.730	2.700	7.3	20.8
5 11	15 34.78	−26 14.3	1.699	2.699	3.7	20.6
5 21	15 24.98	−25 57.5	1.694	2.699	3.2	20.5
5 31	15 15.76	−25 33.2	1.716	2.699	6.6	20.7
6 10	15 8.18	−25 5.9	1.763	2.698	10.4	20.9
6 20	15 2.90	−24 40.3	1.832	2.698	13.8	21.2

140230 2001 SC_{244} 5 15.6 155°.48 3°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 52.70	−10 40.6	2.543	3.389	10.5	21.0
4 21	15 47.69	− 9 58.2	2.471	3.394	7.9	20.9
5 1	15 41.20	− 9 15.4	2.425	3.399	5.1	20.7
5 11	15 33.81	− 8 35.4	2.406	3.404	3.1	20.6
5 21	15 26.16	− 8 1.2	2.416	3.408	4.0	20.6
5 31	15 18.96	− 7 35.4	2.455	3.412	6.6	20.8
6 10	15 12.82	− 7 20.0	2.519	3.416	9.3	21.0
6 20	15 8.17	− 7 15.8	2.606	3.419	11.7	21.2

248328 2005 QL_{18} 5 15.6 250°.01 0°.7/15.1 18

4 11	15 53.27	−17 56.5	2.607	3.446	10.5	21.5
4 21	15 48.30	−17 39.0	2.510	3.431	7.8	21.3
5 1	15 41.69	−17 17.0	2.438	3.416	4.8	21.1
5 11	15 34.00	−16 52.0	2.394	3.401	1.6	20.9
5 21	15 25.89	−16 25.9	2.378	3.385	2.1	20.9
5 31	15 18.11	−16 1.3	2.392	3.369	5.5	21.1
6 10	15 11.33	−15 41.0	2.432	3.352	8.6	21.2
6 20	15 6.10	−15 27.1	2.496	3.335	11.4	21.4

266583 2008 HT_{28} 5 15.6 233°.80 0°.5/15.3 18

4 11	15 57.88	−18 30.2	2.013	2.855	13.0	21.2
4 21	15 52.21	−18 18.4	1.921	2.843	9.8	20.9
5 1	15 44.31	−18 0.7	1.852	2.830	6.0	20.7
5 11	15 34.88	−17 38.6	1.809	2.816	1.9	20.4
5 21	15 24.85	−17 14.2	1.795	2.802	2.5	20.4
5 31	15 15.24	−16 50.7	1.808	2.787	6.8	20.6
6 10	15 7.05	−16 31.8	1.848	2.771	10.7	20.8
6 20	15 0.94	−16 20.4	1.910	2.755	14.1	21.0

497908 2006 VN_{26} 5 15.6 192°.54 0°.3/15.5 17

4 11	15 58.30	−19 17.9	2.081	2.919	12.8	22.4
4 21	15 52.35	−19 6.6	1.997	2.917	9.6	22.2
5 1	15 44.29	−18 49.0	1.938	2.915	5.9	21.9
5 11	15 34.85	−18 26.6	1.905	2.912	1.9	21.6
5 21	15 24.94	−18 1.4	1.901	2.909	2.3	21.7
5 31	15 15.55	−17 36.6	1.925	2.905	6.4	21.9
6 10	15 7.58	−17 15.8	1.976	2.900	10.1	22.1
6 20	15 1.65	−17 1.7	2.050	2.894	13.3	22.3

423836 2006 PD_{17} 5 15.6 269°.86 8°.5/19.2 17

4 11	16 2.68	−38 45.5	1.764	2.548	16.9	21.7
4 21	15 57.00	−39 44.2	1.662	2.526	14.4	21.4
5 1	15 47.92	−40 24.9	1.580	2.504	11.6	21.2
5 11	15 36.21	−40 41.4	1.521	2.480	9.3	21.0
5 21	15 23.18	−40 30.0	1.486	2.457	8.6	20.9
5 31	15 10.55	−39 51.2	1.476	2.433	10.1	20.9
6 10	14 59.97	−38 51.7	1.490	2.409	13.1	21.0
6 20	14 52.56	−37 40.7	1.524	2.384	16.3	21.2

166429 2002 PJ_{23} 5 15.6 270°.89 5°.2/12.1 18

4 11	15 53.23	− 6 36.9	2.067	2.920	12.3	20.6
4 21	15 48.56	− 5 41.6	1.981	2.904	9.5	20.4
5 1	15 41.99	− 4 47.7	1.918	2.887	6.8	20.2
5 11	15 34.13	− 4 0.0	1.882	2.870	5.2	20.1
5 21	15 25.77	− 3 23.0	1.873	2.853	6.3	20.1
5 31	15 17.82	− 3 0.3	1.890	2.835	9.1	20.3
6 10	15 11.08	− 2 54.2	1.931	2.818	12.2	20.4
6 20	15 6.15	− 3 4.6	1.993	2.800	15.0	20.6

121396 1999 TW_{123} 5 15.6 247°.91 3°.6/12.4 17

4 11	15 51.02	−10 4.5	2.564	3.413	10.3	20.1
4 21	15 46.53	− 9 0.0	2.479	3.403	7.8	19.9
5 1	15 40.56	− 7 54.1	2.420	3.393	5.2	19.7
5 11	15 33.64	− 6 50.7	2.388	3.382	3.6	19.6
5 21	15 26.40	− 5 53.7	2.385	3.371	4.6	19.6
5 31	15 19.52	− 5 6.8	2.411	3.360	7.1	19.8
6 10	15 13.64	− 4 32.6	2.462	3.349	9.8	19.9
6 20	15 9.20	− 4 12.2	2.535	3.338	12.3	20.1

211980 2005 AE_{33} 5 15.6 168°.34 4°.1/13.7 18

4 11	15 58.56	−10 3.3	1.670	2.526	14.6	20.3
4 21	15 52.80	− 9 32.2	1.601	2.528	11.1	20.1
5 1	15 44.66	− 9 2.0	1.555	2.531	7.2	19.9
5 11	15 34.99	− 8 36.6	1.533	2.533	4.3	19.7
5 21	15 24.83	− 8 19.7	1.539	2.534	5.4	19.8
5 31	15 15.37	− 8 14.4	1.571	2.535	9.0	20.0
6 10	15 7.60	− 8 22.7	1.627	2.536	12.8	20.2
6 20	15 2.17	− 8 44.6	1.704	2.536	16.1	20.4

141350 2002 AR_{22} 5 15.6 129°.55 0°.4/15.8 18

4 11	15 54.18	−20 49.6	2.471	3.306	11.1	20.8
4 21	15 48.95	−20 46.0	2.395	3.312	8.3	20.6
5 1	15 42.06	−20 36.7	2.343	3.318	5.2	20.4
5 11	15 34.12	−20 22.5	2.318	3.324	1.7	20.2
5 21	15 25.86	−20 5.0	2.322	3.330	1.8	20.2
5 31	15 18.07	−19 46.5	2.354	3.336	5.2	20.4
6 10	15 11.44	−19 29.8	2.414	3.341	8.4	20.6
6 20	15 6.46	−19 17.3	2.497	3.346	11.1	20.8

40301 1999 JU_{93} 5 15.6 332°.61 5°.4/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 54.19	−10 18.8	1.290	2.166	16.7	19.0
4 21	15 50.16	− 9 19.1	1.222	2.161	12.7	18.8
5 1	15 43.33	− 8 18.2	1.176	2.156	8.5	18.5
5 11	15 34.62	− 7 22.7	1.152	2.151	5.5	18.3
5 21	15 25.27	− 6 39.5	1.153	2.146	7.0	18.4
5 31	15 16.68	− 6 14.2	1.176	2.142	11.1	18.6
6 10	15 10.06	− 6 10.0	1.221	2.139	15.5	18.8
6 20	15 6.14	− 6 26.6	1.284	2.136	19.3	19.1

336465 2008 VR_{3} 5 15.6 233°.46 3°.1/13.8 18

4 11	15 54.92	−11 28.2	2.072	2.923	12.3	21.1
4 21	15 49.79	−10 59.3	1.990	2.916	9.3	20.9
5 1	15 42.72	−10 29.7	1.932	2.909	6.0	20.7
5 11	15 34.37	−10 2.5	1.901	2.902	3.3	20.5
5 21	15 25.57	− 9 40.7	1.897	2.895	4.3	20.6
5 31	15 17.24	− 9 27.5	1.921	2.887	7.5	20.8
6 10	15 10.19	− 9 24.9	1.970	2.879	10.9	21.0
6 20	15 5.02	− 9 33.8	2.041	2.871	13.9	21.1

32848 1992 MD 5 15.6 327°.22 14°.4/ 6.9 18

4 11	15 51.74	+ 9 43.2	1.329	2.178	18.0	17.2
4 21	15 48.36	+11 20.8	1.264	2.157	16.0	17.0
5 1	15 42.27	+12 39.5	1.217	2.137	14.7	16.9
5 11	15 34.31	+13 28.0	1.191	2.117	14.6	16.8
5 21	15 25.61	+13 38.1	1.184	2.099	15.8	16.8
5 31	15 17.50	+13 6.1	1.196	2.081	18.1	16.9
6 10	15 11.17	+11 54.5	1.226	2.065	20.7	17.0
6 20	15 7.43	+10 9.4	1.270	2.049	23.3	17.2

242689 2005 TJ_{3} 5 15.6 254°.82 0°.1/15.6 18

4 11	15 54.35	−19 27.1	2.613	3.448	10.6	20.8
4 21	15 49.16	−19 26.5	2.514	3.432	8.0	20.6
5 1	15 42.27	−19 21.4	2.440	3.416	4.9	20.4
5 11	15 34.23	−19 12.4	2.393	3.400	1.6	20.2
5 21	15 25.73	−19 0.8	2.375	3.383	1.9	20.2
5 31	15 17.52	−18 48.6	2.387	3.367	5.3	20.4
6 10	15 10.34	−18 38.3	2.425	3.349	8.5	20.5
6 20	15 4.72	−18 32.2	2.488	3.332	11.3	20.7

106857 2000 YU_{22} 5 15.6 176°.72 4°.0/13.6 17

4 11	15 57.97	−10 17.7	1.750	2.604	14.1	20.1
4 21	15 52.28	− 9 40.9	1.679	2.606	10.7	19.9
5 1	15 44.32	− 9 4.1	1.631	2.607	7.0	19.7
5 11	15 34.89	− 8 31.6	1.609	2.608	4.2	19.5
5 21	15 25.01	− 8 7.2	1.614	2.608	5.3	19.6
5 31	15 15.78	− 7 54.5	1.645	2.608	8.8	19.8
6 10	15 8.15	− 7 55.4	1.701	2.608	12.5	20.0
6 20	15 2.75	− 8 10.3	1.778	2.607	15.7	20.2

385163 2013 UN_{12} 5 15.6 128°.42 5°.8/11.4 17

4 11	15 54.58	− 2 13.6	2.386	3.225	11.3	21.0
4 21	15 49.06	− 1 13.6	2.331	3.241	8.9	20.9
5 1	15 42.02	− 0 19.4	2.302	3.256	6.8	20.8
5 11	15 34.09	+ 0 24.9	2.299	3.271	5.8	20.7
5 21	15 25.98	+ 0 55.7	2.324	3.285	6.6	20.8
5 31	15 18.42	+ 1 10.9	2.376	3.298	8.7	21.0
6 10	15 12.02	+ 1 9.9	2.453	3.311	10.9	21.1
6 20	15 7.22	+ 0 53.7	2.551	3.323	13.0	21.3

239441 2007 TO_{175} 5 15.6 243°.12 0°.7/16.1 17

4 11	15 54.82	−22 10.5	2.172	3.009	12.4	21.2
4 21	15 49.77	−22 2.7	2.084	3.003	9.4	21.0
5 1	15 42.73	−21 47.1	2.021	2.996	5.9	20.8
5 11	15 34.39	−21 24.4	1.983	2.989	2.1	20.5
5 21	15 25.57	−20 56.6	1.974	2.982	2.1	20.5
5 31	15 17.21	−20 26.8	1.992	2.975	5.9	20.7
6 10	15 10.16	−19 58.7	2.037	2.967	9.5	20.9
6 20	15 5.01	−19 35.7	2.105	2.960	12.6	21.1

505095 2011 WH_{33} 5 15.6 251°.61 1°.8/14.5 18

4 11	15 54.35	−13 23.9	2.438	3.282	11.0	20.9
4 21	15 49.17	−13 16.1	2.348	3.271	8.2	20.7
5 1	15 42.27	−13 7.2	2.283	3.260	5.1	20.5
5 11	15 34.23	−12 59.1	2.245	3.250	2.2	20.3
5 21	15 25.76	−12 53.5	2.236	3.238	3.0	20.3
5 31	15 17.64	−12 52.3	2.256	3.227	6.2	20.5
6 10	15 10.60	−12 57.5	2.302	3.216	9.3	20.7
6 20	15 5.18	−13 9.9	2.371	3.204	12.1	20.8

425766 2011 CT_{24} 5 15.6 152°.20 4°.1/17.5 17

4 11	16 1.19	−29 7.7	1.908	2.724	14.6	21.1
4 21	15 54.92	−29 47.0	1.830	2.729	11.6	20.9
5 1	15 46.08	−30 14.3	1.775	2.733	8.1	20.7
5 11	15 35.50	−30 27.4	1.745	2.737	5.0	20.5
5 21	15 24.29	−30 25.6	1.743	2.741	4.4	20.5
5 31	15 13.70	−30 11.0	1.768	2.744	7.1	20.7
6 10	15 4.87	−29 48.5	1.818	2.747	10.5	20.9
6 20	14 58.52	−29 23.5	1.891	2.750	13.7	21.1

49050 1998 RL_{26} 5 15.6 229°.08 2°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.22	−14 4.9	2.045	2.892	12.7	20.7
4 21	15 51.62	−13 32.2	1.955	2.880	9.5	20.5
5 1	15 43.91	−12 56.1	1.889	2.867	6.0	20.2
5 11	15 34.79	−12 19.4	1.849	2.853	2.7	20.0
5 21	15 25.12	−11 45.4	1.838	2.839	3.8	20.0
5 31	15 15.88	−11 17.9	1.855	2.824	7.4	20.2
6 10	15 8.00	−11 0.1	1.897	2.809	11.1	20.4
6 20	15 2.09	−10 53.7	1.961	2.792	14.4	20.6

460345 2014 RG_{24} 5 15.6 149°.00 1°.1/14.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.62	−18 42.4	1.737	2.586	14.5	21.9
4 21	15 52.77	−18 2.6	1.668	2.594	10.8	21.7
5 1	15 44.60	−17 14.8	1.622	2.602	6.6	21.4
5 11	15 34.98	−16 22.2	1.602	2.609	2.2	21.2
5 21	15 24.97	−15 29.1	1.609	2.615	3.1	21.2
5 31	15 15.73	−14 40.5	1.644	2.621	7.4	21.5
6 10	15 8.21	−14 1.1	1.703	2.626	11.5	21.8
6 20	15 3.01	−13 33.9	1.785	2.631	14.9	22.0

306263 2011 RC_{11} 5 15.6 206°.55 6°.5/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.06	−41 1.6	2.668	3.418	12.6	21.4
4 21	15 53.02	−41 39.7	2.576	3.414	10.7	21.3
5 1	15 44.79	−42 2.2	2.506	3.410	8.8	21.2
5 11	15 35.08	−42 6.5	2.461	3.405	7.1	21.0
5 21	15 24.80	−41 51.4	2.443	3.400	6.5	21.0
5 31	15 14.99	−41 18.5	2.451	3.395	7.3	21.0
6 10	15 6.58	−40 32.0	2.485	3.390	9.1	21.1
6 20	15 0.26	−39 37.5	2.543	3.384	11.2	21.3

358522 2007 RH_{318} 5 15.6 1°.44 5°.1/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.36	−27 35.6	1.110	1.973	19.8	19.7
4 21	15 52.69	−28 25.2	1.045	1.971	15.6	19.4
5 1	15 45.35	−28 59.7	0.998	1.970	10.9	19.1
5 11	15 35.39	−29 15.3	0.972	1.970	6.4	18.9
5 21	15 24.43	−29 10.9	0.968	1.971	5.6	18.9
5 31	15 14.41	−28 50.0	0.986	1.973	9.6	19.1
6 10	15 7.00	−28 20.6	1.025	1.976	14.4	19.3
6 20	15 3.15	−27 50.5	1.083	1.980	18.8	19.6

519967 2013 TQ_{165} 5 15.6 279°.09 2°.7/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.32	−14 25.7	1.749	2.608	13.9	21.4
4 21	15 49.63	−13 41.1	1.674	2.606	10.4	21.2
5 1	15 42.74	−12 52.3	1.623	2.603	6.5	20.9
5 11	15 34.41	−12 3.1	1.596	2.601	3.1	20.7
5 21	15 25.63	−11 18.1	1.597	2.598	4.2	20.8
5 31	15 17.44	−10 41.8	1.624	2.595	8.1	21.0
6 10	15 10.80	−10 18.0	1.675	2.593	11.9	21.2
6 20	15 6.31	−10 8.3	1.747	2.590	15.3	21.4

235127 2003 QV_{42} 5 15.6 195°.98 3°.2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.36	−10 47.4	2.343	3.190	11.3	20.9
4 21	15 49.13	−10 5.9	2.264	3.187	8.5	20.7
5 1	15 42.20	− 9 23.7	2.210	3.184	5.5	20.5
5 11	15 34.21	− 8 44.1	2.183	3.181	3.3	20.3
5 21	15 25.87	− 8 10.3	2.185	3.178	4.3	20.4
5 31	15 17.98	− 7 45.4	2.214	3.173	7.1	20.6
6 10	15 11.24	− 7 31.7	2.270	3.169	10.1	20.7
6 20	15 6.16	− 7 29.8	2.348	3.164	12.8	20.9

311216 2005 AZ_{20} 5 15.6 162°.90 0°.2/15.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.63	−21 26.2	1.960	2.796	13.6	21.7
4 21	15 53.38	−21 3.2	1.885	2.803	10.2	21.5
5 1	15 44.93	−20 31.3	1.833	2.809	6.3	21.2
5 11	15 35.10	−19 52.2	1.808	2.814	2.1	21.0
5 21	15 24.87	−19 8.7	1.811	2.819	2.3	21.0
5 31	15 15.32	−18 25.0	1.842	2.823	6.5	21.3
6 10	15 7.37	−17 45.8	1.900	2.826	10.3	21.5
6 20	15 1.59	−17 14.7	1.981	2.828	13.6	21.7

299821 2006 SW_{158} 5 15.6 123°.92 4°.3/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.19	− 8 10.6	2.274	3.125	11.4	21.2
4 21	15 47.48	− 7 12.0	2.207	3.131	8.6	21.0
5 1	15 41.16	− 6 14.4	2.165	3.136	5.9	20.8
5 11	15 33.87	− 5 22.2	2.150	3.141	4.3	20.7
5 21	15 26.31	− 4 39.1	2.163	3.146	5.3	20.8
5 31	15 19.25	− 4 8.5	2.203	3.151	7.8	21.0
6 10	15 13.35	− 3 52.1	2.268	3.156	10.6	21.1
6 20	15 9.06	− 3 50.1	2.355	3.160	13.0	21.3

261321 2005 UH_{217} 5 15.6 174°.69 6°.9/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.13	− 2 16.7	1.907	2.756	13.3	20.7
4 21	15 49.95	− 1 14.4	1.842	2.757	10.6	20.5
5 1	15 42.80	− 0 18.3	1.801	2.758	8.1	20.3
5 11	15 34.42	+ 0 26.1	1.785	2.759	6.9	20.3
5 21	15 25.67	+ 0 54.0	1.795	2.760	7.9	20.3
5 31	15 17.51	+ 1 2.6	1.831	2.760	10.4	20.5
6 10	15 10.76	+ 0 51.4	1.890	2.760	13.2	20.7
6 20	15 5.95	+ 0 21.9	1.969	2.759	15.7	20.8

9080 Takayanagi 5 15.6 207°.09 1°.6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 52.07	−15 41.8	2.649	3.492	10.2	18.4
4 21	15 47.29	−15 4.7	2.565	3.489	7.6	18.2
5 1	15 41.03	−14 24.0	2.506	3.485	4.7	18.0
5 11	15 33.83	−13 41.9	2.476	3.481	1.9	17.8
5 21	15 26.34	−13 1.3	2.474	3.476	2.7	17.9
5 31	15 19.23	−12 25.2	2.501	3.472	5.7	18.0
6 10	15 13.13	−11 56.2	2.554	3.467	8.6	18.2
6 20	15 8.49	−11 36.3	2.632	3.461	11.2	18.4

497330 2005 TW_{168} 5 15.6 147°.56 1°.4/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.96	−17 53.4	2.028	2.874	12.8	22.2
4 21	15 50.50	−17 7.4	1.956	2.881	9.5	22.0
5 1	15 43.10	−16 14.8	1.909	2.888	5.8	21.8
5 11	15 34.50	−15 18.8	1.889	2.895	2.1	21.5
5 21	15 25.60	−14 23.4	1.896	2.901	3.0	21.6
5 31	15 17.32	−13 33.1	1.932	2.907	6.7	21.9
6 10	15 10.47	−12 52.0	1.994	2.912	10.3	22.1
6 20	15 5.59	−12 22.4	2.078	2.917	13.4	22.3

264660 2001 XC_{110} 5 15.6 83°.26 4°.5/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.32	− 6 50.6	1.752	2.600	14.4	20.2
4 21	15 53.77	− 6 42.4	1.701	2.623	10.9	20.0
5 1	15 45.07	− 6 39.3	1.674	2.645	7.3	19.9
5 11	15 35.12	− 6 44.0	1.672	2.668	4.7	19.8
5 21	15 24.93	− 6 58.6	1.698	2.690	5.5	19.8
5 31	15 15.58	− 7 24.1	1.751	2.711	8.6	20.1
6 10	15 7.94	− 8 0.4	1.829	2.733	11.9	20.3
6 20	15 2.54	− 8 46.3	1.928	2.754	14.8	20.6

270513 2002 FF_{32} 5 15.6 87°.75 4°.7/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 1.13	−30 33.1	1.847	2.662	15.1	20.3
4 21	15 54.87	−31 16.8	1.781	2.676	12.0	20.1
5 1	15 46.03	−31 47.0	1.737	2.691	8.6	19.9
5 11	15 35.49	−32 1.0	1.718	2.706	5.6	19.8
5 21	15 24.44	−31 58.5	1.725	2.720	4.9	19.8
5 31	15 14.15	−31 41.9	1.760	2.735	7.3	19.9
6 10	15 5.73	−31 16.4	1.819	2.749	10.5	20.2
6 20	14 59.85	−30 47.9	1.901	2.763	13.5	20.4

235315 2003 UP_{144} 5 15.6 197°.72 1°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.58	−24 30.3	2.409	3.235	11.7	21.2
4 21	15 50.15	−24 17.8	2.321	3.232	8.9	21.0
5 1	15 42.89	−23 56.2	2.258	3.229	5.7	20.8
5 11	15 34.46	−23 26.3	2.221	3.225	2.4	20.5
5 21	15 25.63	−22 49.7	2.214	3.221	2.1	20.5
5 31	15 17.27	−22 9.8	2.235	3.217	5.4	20.7
6 10	15 10.14	−21 30.4	2.283	3.212	8.7	20.9
6 20	15 4.78	−20 55.0	2.355	3.207	11.6	21.1

184970 2005 XF_{36} 5 15.6 138°.86 0°.3/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.97	−21 13.6	2.023	2.862	13.1	21.6
4 21	15 51.35	−21 0.2	1.950	2.870	9.8	21.4
5 1	15 43.68	−20 39.0	1.901	2.877	6.1	21.2
5 11	15 34.71	−20 11.4	1.878	2.884	2.0	20.9
5 21	15 25.38	−19 39.7	1.883	2.891	2.2	20.9
5 31	15 16.67	−19 7.5	1.916	2.898	6.2	21.2
6 10	15 9.44	−18 38.8	1.976	2.904	9.8	21.4
6 20	15 4.25	−18 16.6	2.058	2.910	13.0	21.6

463394 2013 GV_{28} 5 15.6 115°.11 2°.3/14.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.12	−16 54.9	1.469	2.330	16.0	21.9
4 21	15 52.69	−16 1.6	1.408	2.340	11.9	21.7
5 1	15 44.67	−15 0.9	1.368	2.350	7.3	21.5
5 11	15 35.05	−13 57.4	1.354	2.360	2.9	21.2
5 21	15 25.04	−12 56.9	1.365	2.369	4.1	21.3
5 31	15 15.94	−12 5.5	1.403	2.378	8.7	21.6
6 10	15 8.80	−11 28.0	1.464	2.387	13.0	21.9
6 20	15 4.23	−11 6.8	1.545	2.396	16.6	22.1

185492 2007 HA_{8} 5 15.6 78°.92 2°.7/11.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 45.05	− 6 40.8	4.390	5.231	6.5	19.9
4 21	15 41.58	− 5 57.8	4.317	5.234	5.0	19.8
5 1	15 37.34	− 5 16.0	4.272	5.237	3.5	19.7
5 11	15 32.64	− 4 37.7	4.255	5.240	2.7	19.6
5 21	15 27.81	− 4 4.4	4.268	5.243	3.3	19.7
5 31	15 23.19	− 3 37.8	4.309	5.247	4.7	19.8
6 10	15 19.11	− 3 18.9	4.377	5.250	6.2	19.9
6 20	15 15.81	− 3 8.1	4.469	5.253	7.7	20.0

351941 2006 TN_{51} 5 15.6 143°.55 1°.3/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.50	−17 10.5	2.566	3.409	10.5	21.3
4 21	15 47.60	−16 27.5	2.492	3.415	7.8	21.1
5 1	15 41.20	−15 39.8	2.442	3.421	4.7	20.9
5 11	15 33.90	−14 50.0	2.421	3.427	1.8	20.7
5 21	15 26.36	−14 1.1	2.429	3.433	2.5	20.8
5 31	15 19.28	−13 16.5	2.465	3.438	5.6	21.0
6 10	15 13.29	−12 39.3	2.528	3.443	8.6	21.2
6 20	15 8.80	−12 11.3	2.615	3.448	11.1	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
428278 2007 EJ_{53}			5 15.6 102°.46		6°.5/18.9 17	
	h m	° ′			°	m
4 11	16 0.52	−35 22.5	1.805	2.605	16.0	21.4
4 21	15 54.74	−36 7.0	1.731	2.610	13.1	21.2
5 1	15 46.12	−36 34.2	1.677	2.615	10.0	21.1
5 11	15 35.58	−36 40.5	1.647	2.621	7.4	20.9
5 21	15 24.37	−36 25.0	1.642	2.626	6.6	20.9
5 31	15 13.91	−35 50.4	1.663	2.631	8.3	21.0
6 10	15 5.42	−35 3.1	1.709	2.635	11.2	21.2
6 20	14 59.67	−34 10.5	1.776	2.640	14.2	21.4
18128 Wysner			5 15.6 347°.03		0°.3/15.5 18	
4 11	15 52.50	−21 55.4	1.138	2.016	18.4	17.8
4 21	15 49.40	−21 12.3	1.069	2.009	13.9	17.5
5 1	15 43.11	−20 13.3	1.020	2.004	8.6	17.1
5 11	15 34.65	−19 2.0	0.992	2.000	2.7	16.8
5 21	15 25.46	−17 45.1	0.987	1.996	3.4	16.8
5 31	15 17.16	−16 31.5	1.006	1.993	9.3	17.1
6 10	15 11.13	−15 30.1	1.046	1.992	14.7	17.4
6 20	15 8.15	−14 46.4	1.104	1.991	19.2	17.7
311401 2005 TE_{189}			5 15.6 303°.23		0°.3/15.4 16	
4 11	15 52.23	−20 7.8	2.087	2.935	12.4	21.3
4 21	15 47.96	−19 42.2	1.994	2.919	9.3	21.0
5 1	15 41.71	−19 9.0	1.924	2.904	5.7	20.8
5 11	15 34.13	−18 29.8	1.881	2.888	1.8	20.5
5 21	15 26.05	−17 47.7	1.865	2.873	2.3	20.5
5 31	15 18.37	−17 6.5	1.877	2.858	6.3	20.7
6 10	15 11.96	−16 30.3	1.914	2.844	10.1	20.9
6 20	15 7.43	−16 2.3	1.974	2.829	13.3	21.1
479053 2013 AJ_{53}			5 15.6 111°.50		8°.7/ 9.6 18	
4 11	15 53.85	+10 27.1	2.553	3.357	11.7	20.7
4 21	15 48.49	+11 13.9	2.504	3.367	10.2	20.6
5 1	15 41.69	+11 47.0	2.478	3.377	9.0	20.5
5 11	15 34.05	+12 2.3	2.477	3.387	8.7	20.5
5 21	15 26.22	+11 57.5	2.500	3.396	9.3	20.6
5 31	15 18.90	+11 31.9	2.548	3.405	10.6	20.7
6 10	15 12.68	+10 47.1	2.619	3.414	12.1	20.8
6 20	15 7.96	+ 9 45.7	2.710	3.423	13.6	20.9
269968 2000 SC_{335}			5 15.6 276°.87		6°.9/17.9 17	
4 11	16 2.92	−33 54.2	1.856	2.655	15.6	21.2
4 21	15 56.93	−35 10.5	1.758	2.638	12.9	21.0
5 1	15 47.80	−36 14.7	1.682	2.621	10.0	20.8
5 11	15 36.26	−37 1.3	1.631	2.603	7.6	20.6
5 21	15 23.47	−37 26.4	1.605	2.586	7.1	20.5
5 31	15 10.96	−37 29.8	1.606	2.568	9.0	20.6
6 10	15 0.24	−37 15.6	1.631	2.550	12.1	20.7
6 20	14 52.36	−36 50.8	1.678	2.532	15.3	20.9
58781 1998 FX_{72}			5 15.6 156°.63		2°.2/13.9 18	
4 11	15 52.15	−14 33.7	2.353	3.202	11.1	19.4
4 21	15 47.48	−13 46.9	2.278	3.204	8.3	19.2
5 1	15 41.20	−12 56.7	2.227	3.206	5.1	19.0
5 11	15 33.92	−12 6.3	2.204	3.207	2.4	18.8
5 21	15 26.36	−11 19.0	2.209	3.209	3.4	18.9
5 31	15 19.26	−10 38.6	2.242	3.210	6.4	19.1
6 10	15 13.30	−10 7.8	2.301	3.211	9.5	19.3
6 20	15 8.94	− 9 48.2	2.383	3.213	12.2	19.5
66268 1999 JJ_{3}			5 15.6 245°.95		3°.4/14.1 18	
4 11	15 58.63	−11 44.7	1.643	2.499	14.8	18.1
4 21	15 53.15	−11 22.0	1.559	2.488	11.2	17.8
5 1	15 45.11	−10 58.6	1.498	2.476	7.2	17.6
5 11	15 35.28	−10 37.8	1.461	2.464	3.7	17.3
5 21	15 24.73	−10 23.2	1.451	2.451	4.8	17.4
5 31	15 14.70	−10 18.1	1.468	2.438	8.9	17.6
6 10	15 6.33	−10 25.0	1.508	2.424	13.1	17.8
6 20	15 0.39	−10 45.0	1.569	2.410	16.8	18.0
37115 2000 UE_{105}			5 15.6 148°.16		0°.3/15.8 18	
4 11	15 55.53	−19 49.0	2.582	3.414	10.8	19.9
4 21	15 49.94	−19 56.7	2.503	3.420	8.1	19.7
5 1	15 42.71	−19 59.9	2.449	3.425	5.0	19.5
5 11	15 34.42	−19 59.0	2.423	3.430	1.7	19.3
5 21	15 25.80	−19 55.3	2.427	3.435	1.8	19.3
5 31	15 17.60	−19 50.3	2.459	3.439	5.1	19.6
6 10	15 10.51	−19 46.4	2.518	3.443	8.2	19.8
6 20	15 5.05	−19 45.5	2.602	3.447	10.8	19.9
258982 2002 TP_{7}			5 15.6 190°.59		0°.9/15.1 17	
4 11	15 57.92	−17 56.7	2.045	2.887	12.9	21.3
4 21	15 52.11	−17 37.3	1.964	2.886	9.6	21.1
5 1	15 44.20	−17 12.2	1.906	2.884	5.9	20.9
5 11	15 34.94	−16 43.4	1.875	2.882	1.9	20.6
5 21	15 25.21	−16 13.5	1.872	2.879	2.6	20.6
5 31	15 16.03	−15 46.0	1.898	2.876	6.6	20.9
6 10	15 8.27	−15 24.2	1.950	2.871	10.3	21.1
6 20	15 2.53	−15 10.7	2.024	2.867	13.5	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
177098 2003 FL_{94}			5 15.6 53°.96		5°.7/11.9 18	
	h m	° ′			°	m
4 11	15 52.11	− 4 28.4	2.028	2.883	12.4	19.7
4 21	15 47.53	− 3 30.4	1.975	2.896	9.7	19.5
5 1	15 41.24	− 2 37.4	1.946	2.910	7.1	19.4
5 11	15 33.94	− 1 54.0	1.942	2.924	5.7	19.3
5 21	15 26.42	− 1 24.3	1.965	2.938	6.7	19.4
5 31	15 19.49	− 1 10.7	2.014	2.952	9.1	19.6
6 10	15 13.85	− 1 14.1	2.086	2.966	11.7	19.8
6 20	15 9.96	− 1 33.3	2.179	2.981	14.1	20.0
424112 2007 EP_{94}			5 15.6 253°.47		2°.0/16.6 17	
4 11	15 57.24	−24 41.3	1.824	2.662	14.4	21.5
4 21	15 52.05	−24 47.9	1.739	2.655	11.0	21.3
5 1	15 44.39	−24 44.0	1.675	2.647	7.2	21.1
5 11	15 35.05	−24 29.6	1.637	2.640	3.2	20.8
5 21	15 25.06	−24 5.8	1.626	2.633	2.8	20.8
5 31	15 15.62	−23 36.0	1.641	2.625	6.8	21.0
6 10	15 7.80	−23 5.0	1.682	2.617	10.8	21.2
6 20	15 2.32	−22 37.5	1.745	2.609	14.4	21.4
365160 2009 DA_{117}			5 15.6 69°.12		5°.0/13.1 17	
4 11	15 56.00	−10 31.6	1.407	2.276	16.0	21.4
4 21	15 51.23	− 9 31.9	1.345	2.280	12.1	21.2
5 1	15 43.86	− 8 31.3	1.306	2.284	8.0	20.9
5 11	15 34.85	− 7 36.1	1.290	2.288	5.1	20.8
5 21	15 25.37	− 6 52.4	1.299	2.292	6.5	20.9
5 31	15 16.71	− 6 25.1	1.333	2.297	10.3	21.1
6 10	15 9.94	− 6 16.9	1.389	2.301	14.3	21.3
6 20	15 5.71	− 6 27.7	1.464	2.305	17.8	21.6
166008 2002 AL_{112}			5 15.6 114°.47		0°.8/16.0 18	
4 11	16 0.41	−22 29.7	1.587	2.432	15.8	20.6
4 21	15 54.35	−22 17.1	1.525	2.446	11.9	20.4
5 1	15 45.69	−21 53.9	1.484	2.460	7.4	20.1
5 11	15 35.41	−21 21.3	1.468	2.474	2.6	19.9
5 21	15 24.74	−20 42.5	1.479	2.487	2.6	19.9
5 31	15 14.98	−20 2.2	1.517	2.500	7.3	20.2
6 10	15 7.20	−19 25.9	1.579	2.512	11.5	20.5
6 20	15 2.01	−18 57.8	1.663	2.524	15.1	20.8
480802 2016 PV_{59}			5 15.6 337°.77		0°.2/15.6 17	
4 11	15 55.09	−17 29.3	1.525	2.388	15.4	20.6
4 21	15 50.79	−17 51.0	1.444	2.376	11.6	20.3
5 1	15 43.80	−18 9.6	1.384	2.365	7.2	20.0
5 11	15 34.91	−18 25.6	1.348	2.355	2.3	19.7
5 21	15 25.22	−18 39.9	1.337	2.346	2.8	19.7
5 31	15 16.04	−18 54.2	1.352	2.337	7.7	20.0
6 10	15 8.59	−19 11.1	1.391	2.330	12.3	20.2
6 20	15 3.71	−19 33.0	1.450	2.323	16.3	20.4
488387 2016 WM_{47}			5 15.6 251°.28		0°.8/16.3 18	
4 11	15 53.32	−24 12.0	2.947	3.768	9.9	22.1
4 21	15 48.26	−23 43.2	2.839	3.748	7.5	21.9
5 1	15 41.69	−23 5.9	2.756	3.727	4.8	21.7
5 11	15 34.12	−22 21.0	2.701	3.706	1.9	21.4
5 21	15 26.18	−21 30.6	2.676	3.684	1.7	21.4
5 31	15 18.54	−20 37.7	2.681	3.662	4.7	21.6
6 10	15 11.84	−19 45.8	2.714	3.639	7.6	21.7
6 20	15 6.55	−18 58.3	2.772	3.616	10.3	21.9
34668 2000 XW_{39}			5 15.6 82°.16		8°.6/22.4 18	
4 11	16 0.12	−46 48.9	2.419	3.142	14.5	18.1
4 21	15 54.13	−47 32.5	2.344	3.151	12.7	18.0
5 1	15 45.61	−47 55.9	2.289	3.159	10.8	17.9
5 11	15 35.42	−47 55.6	2.255	3.168	9.3	17.8
5 21	15 24.71	−47 30.4	2.246	3.177	8.6	17.8
5 31	15 14.73	−46 42.5	2.262	3.185	9.0	17.8
6 10	15 6.55	−45 37.3	2.303	3.194	10.3	17.9
6 20	15 0.87	−44 21.9	2.366	3.202	12.0	18.0
299985 2006 UQ_{8}			5 15.6 127°.61		0°.5/15.2 18	
4 11	15 53.12	−20 12.3	2.799	3.632	10.0	21.2
4 21	15 47.92	−19 28.2	2.728	3.646	7.4	21.0
5 1	15 41.34	−18 37.9	2.683	3.659	4.5	20.9
5 11	15 33.97	−17 43.7	2.666	3.673	1.4	20.6
5 21	15 26.42	−16 48.5	2.679	3.685	1.9	20.7
5 31	15 19.36	−15 55.5	2.721	3.698	4.9	20.9
6 10	15 13.33	−15 8.1	2.792	3.710	7.7	21.1
6 20	15 8.75	−14 28.6	2.887	3.721	10.1	21.3
80818 2000 CY_{125}			5 15.6 167°.00		1°.9/14.6 17	
4 11	15 58.45	−14 32.8	2.030	2.874	12.8	20.7
4 21	15 52.42	−14 12.9	1.955	2.879	9.6	20.5
5 1	15 44.36	−13 50.4	1.905	2.883	5.9	20.3
5 11	15 34.99	−13 27.4	1.881	2.886	2.5	20.0
5 21	15 25.23	−13 6.8	1.886	2.889	3.3	20.1
5 31	15 16.04	−12 51.5	1.919	2.892	7.0	20.3
6 10	15 8.30	−12 44.0	1.978	2.893	10.5	20.6
6 20	15 2.57	−12 45.8	2.060	2.894	13.6	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
59762 1999 NB_1			5 15.6 318°.98		6°.3/12.8 17	
	h m	° ′			°	m
4 11	15 53.85	− 8 5.2	1.274	2.151	16.8	18.6
4 21	15 50.10	− 7 11.3	1.200	2.137	13.0	18.3
5 1	15 43.46	− 6 18.7	1.147	2.124	9.0	18.0
5 11	15 34.81	− 5 34.4	1.116	2.111	6.4	17.9
5 21	15 25.37	− 5 4.9	1.108	2.099	7.8	17.9
5 31	15 16.56	− 4 55.6	1.124	2.087	11.8	18.1
6 10	15 9.68	− 5 8.8	1.160	2.076	16.2	18.3
6 20	15 5.56	− 5 43.6	1.214	2.066	20.1	18.5
3789 Zhongguo			5 15.6 199°.75		0°.5/15.2 18	
4 11	15 52.34	−18 4.7	3.040	3.875	9.3	18.7
4 21	15 47.38	−17 49.1	2.952	3.871	6.9	18.5
5 1	15 41.07	−17 29.8	2.890	3.867	4.2	18.3
5 11	15 33.91	−17 7.9	2.856	3.863	1.4	18.1
5 21	15 26.46	−16 45.2	2.852	3.859	1.8	18.1
5 31	15 19.34	−16 23.8	2.877	3.854	4.7	18.3
6 10	15 13.11	−16 5.8	2.930	3.849	7.4	18.5
6 20	15 8.18	−15 53.0	3.008	3.843	9.8	18.7
336500 2008 WV_{64}			5 15.6 317°.51		1°.3/14.9 17	
4 11	15 53.45	−18 12.6	1.723	2.581	14.1	21.0
4 21	15 49.14	−17 36.7	1.643	2.574	10.6	20.8
5 1	15 42.55	−16 53.2	1.586	2.567	6.5	20.5
5 11	15 34.45	−16 5.1	1.554	2.561	2.2	20.3
5 21	15 25.83	−15 16.5	1.548	2.555	3.1	20.3
5 31	15 17.78	−14 32.4	1.569	2.549	7.5	20.6
6 10	15 11.29	−13 57.3	1.614	2.543	11.6	20.8
6 20	15 7.00	−13 34.4	1.680	2.537	15.2	21.0
504805 2010 CZ_{94}			5 15.6 136°.86		1°.5/14.8 17	
4 11	15 55.02	−16 16.9	2.061	2.910	12.5	22.0
4 21	15 49.85	−15 52.9	1.988	2.914	9.3	21.8
5 1	15 42.77	−15 24.7	1.939	2.918	5.7	21.6
5 11	15 34.48	−14 54.8	1.916	2.923	2.1	21.4
5 21	15 25.83	−14 26.1	1.922	2.927	2.9	21.5
5 31	15 17.74	−14 1.7	1.955	2.930	6.6	21.7
6 10	15 11.00	−13 44.7	2.013	2.934	10.1	21.9
6 20	15 6.16	−13 36.8	2.094	2.937	13.1	22.1
57644 2001 TV_{201}			5 15.6 260°.23		2°.4/12.9 18	
4 11	15 46.38	− 7 14.3	4.325	5.164	6.6	19.5
4 21	15 42.61	− 6 55.0	4.243	5.160	5.0	19.4
5 1	15 38.02	− 6 37.3	4.188	5.156	3.4	19.3
5 11	15 32.91	− 6 22.7	4.162	5.153	2.4	19.2
5 21	15 27.65	− 6 12.5	4.165	5.149	2.9	19.3
5 31	15 22.58	− 6 7.9	4.197	5.145	4.4	19.4
6 10	15 18.06	− 6 9.7	4.256	5.141	6.1	19.5
6 20	15 14.35	− 6 18.0	4.339	5.137	7.6	19.6
405928 2006 PO_{32}			5 15.6 249°.56		1°.9/13.8 18	
4 11	15 49.50	−11 22.7	3.765	4.603	7.6	21.2
4 21	15 45.08	−11 5.1	3.667	4.587	5.7	21.1
5 1	15 39.60	−10 47.2	3.596	4.570	3.6	20.9
5 11	15 33.45	−10 30.7	3.553	4.554	2.0	20.8
5 21	15 27.05	−10 17.1	3.540	4.537	2.6	20.8
5 31	15 20.85	−10 7.7	3.557	4.519	4.6	20.9
6 10	15 15.28	−10 3.9	3.602	4.502	6.7	21.1
6 20	15 10.70	−10 6.3	3.671	4.484	8.6	21.2
473127 2015 JZ_4			5 15.6 129°.00		3°.4/18.4 18	
4 11	15 56.20	−32 19.7	2.247	3.051	13.1	20.6
4 21	15 50.73	−31 54.5	2.167	3.058	10.4	20.5
5 1	15 43.29	−31 13.4	2.111	3.066	7.3	20.3
5 11	15 34.65	−30 17.0	2.081	3.072	4.4	20.1
5 21	15 25.72	−29 7.6	2.079	3.079	3.5	20.1
5 31	15 17.46	−27 50.0	2.105	3.085	5.8	20.2
6 10	15 10.69	−26 30.3	2.158	3.091	8.9	20.4
6 20	15 5.92	−25 14.2	2.236	3.097	11.8	20.6
191770 2004 TA_{55}			5 15.6 327°.74		1°.3/14.9 18	
4 11	15 54.41	−17 21.2	1.711	2.569	14.2	20.2
4 21	15 49.85	−16 54.7	1.635	2.566	10.6	20.0
5 1	15 42.99	−16 22.0	1.581	2.562	6.5	19.7
5 11	15 34.61	−15 46.0	1.552	2.559	2.3	19.5
5 21	15 25.72	−15 10.3	1.550	2.556	3.2	19.5
5 31	15 17.43	−14 39.0	1.574	2.553	7.5	19.8
6 10	15 10.72	−14 16.3	1.622	2.550	11.6	20.0
6 20	15 6.24	−14 4.5	1.691	2.548	15.1	20.2
503057 2015 FE_{171}			5 15.6 171°.89		1°.2/14.9 17	
4 11	15 55.88	−16 23.1	2.064	2.910	12.6	21.2
4 21	15 50.55	−16 11.3	1.987	2.911	9.4	21.0
5 1	15 43.25	−15 55.7	1.933	2.913	5.7	20.8
5 11	15 34.67	−15 38.3	1.907	2.913	2.0	20.6
5 21	15 25.67	−15 21.3	1.908	2.914	2.7	20.6
5 31	15 17.19	−15 7.5	1.937	2.914	6.5	20.9
6 10	15 10.07	−14 59.6	1.992	2.915	10.1	21.1
6 20	15 4.88	−14 59.4	2.070	2.915	13.2	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
16148 1999 XG_{188}			5 15.6 82°.54		4°.3/18.4 18	
	h m	° ′			°	m
4 11	15 57.23	−31 59.2	1.939	2.752	14.6	18.0
4 21	15 51.85	−32 6.1	1.868	2.763	11.6	17.8
5 1	15 44.13	−31 57.3	1.819	2.773	8.3	17.6
5 11	15 34.95	−31 32.0	1.794	2.783	5.2	17.4
5 21	15 25.37	−30 51.3	1.796	2.794	4.4	17.4
5 31	15 16.53	−29 59.5	1.825	2.804	6.7	17.6
6 10	15 9.39	−29 2.5	1.880	2.815	9.9	17.8
6 20	15 4.57	−28 6.4	1.957	2.825	12.9	18.0
483649 2004 YL_{16}			5 15.6 259°.76		2°.7/12.5 18	
4 11	15 46.27	− 5 53.0	4.357	5.195	6.6	20.8
4 21	15 42.54	− 5 31.3	4.275	5.190	5.1	20.7
5 1	15 37.98	− 5 11.7	4.220	5.185	3.6	20.5
5 11	15 32.93	− 4 55.7	4.193	5.179	2.7	20.5
5 21	15 27.71	− 4 44.7	4.195	5.174	3.2	20.5
5 31	15 22.68	− 4 39.9	4.226	5.168	4.6	20.6
6 10	15 18.19	− 4 41.9	4.284	5.163	6.2	20.7
6 20	15 14.50	− 4 51.0	4.366	5.157	7.7	20.8
374388 2005 UW_{481}			5 15.6 224°.60		5°.4/12.4 17	
4 11	15 57.25	− 3 42.4	2.245	3.083	12.0	22.0
4 21	15 51.45	− 3 4.6	2.160	3.072	9.4	21.8
5 1	15 43.77	− 2 31.4	2.099	3.059	6.9	21.7
5 11	15 34.86	− 2 6.7	2.065	3.046	5.5	21.5
5 21	15 25.48	− 1 54.0	2.059	3.033	6.4	21.6
5 31	15 16.49	− 1 55.5	2.081	3.018	8.8	21.7
6 10	15 8.71	− 2 12.3	2.128	3.003	11.7	21.8
6 20	15 2.68	− 2 43.5	2.196	2.988	14.3	22.0
161206 2002 TG_{292}			5 15.6 263°.56		2°.3/16.9 18	
4 11	15 56.96	−26 29.2	1.697	2.535	15.2	20.3
4 21	15 52.06	−26 17.1	1.608	2.524	11.8	20.1
5 1	15 44.52	−25 50.8	1.541	2.512	7.8	19.8
5 11	15 35.16	−25 10.3	1.498	2.501	3.6	19.5
5 21	15 25.11	−24 17.8	1.482	2.489	3.0	19.4
5 31	15 15.64	−23 18.5	1.492	2.477	7.2	19.7
6 10	15 7.93	−22 18.9	1.526	2.464	11.5	19.9
6 20	15 2.72	−21 25.5	1.583	2.452	15.4	20.1
387724 2003 FC_8			5 15.6 142°.44		11°.9/18.6 18	
4 11	16 15.50	−39 1.5	1.337	2.125	21.2	20.6
4 21	16 7.85	−41 19.6	1.271	2.132	18.1	20.4
5 1	15 55.31	−43 18.2	1.224	2.140	14.9	20.2
5 11	15 38.91	−44 44.7	1.199	2.147	12.5	20.1
5 21	15 20.69	−45 29.9	1.197	2.153	11.9	20.1
5 31	15 3.39	−45 33.3	1.219	2.158	13.5	20.2
6 10	14 49.45	−45 4.1	1.262	2.163	16.3	20.4
6 20	14 40.25	−44 16.1	1.324	2.168	19.2	20.6
140107 2001 SZ_{133}			5 15.7 307°.36		2°.4/13.9 18	
4 11	15 52.38	−14 49.7	2.059	2.914	12.3	19.9
4 21	15 47.94	−13 59.4	1.981	2.911	9.1	19.7
5 1	15 41.64	−13 4.8	1.928	2.908	5.7	19.5
5 11	15 34.17	−12 9.4	1.901	2.905	2.7	19.3
5 21	15 26.32	−11 17.5	1.902	2.902	3.7	19.4
5 31	15 18.98	−10 33.2	1.930	2.900	7.2	19.6
6 10	15 12.92	−10 0.1	1.983	2.897	10.6	19.8
6 20	15 8.68	− 9 40.0	2.058	2.895	13.6	20.0
377850 2006 BU_{198}			5 15.7 43°.65		6°.2/18.9 17	
4 11	15 59.06	−33 29.4	1.493	2.316	17.7	19.6
4 21	15 53.81	−34 9.7	1.440	2.336	14.3	19.4
5 1	15 45.58	−34 30.7	1.406	2.356	10.5	19.3
5 11	15 35.47	−34 29.6	1.394	2.377	7.3	19.1
5 21	15 24.90	−34 6.7	1.407	2.399	6.3	19.1
5 31	15 15.38	−33 26.5	1.445	2.421	8.4	19.3
6 10	15 8.13	−32 36.5	1.506	2.443	11.7	19.5
6 20	15 3.80	−31 44.6	1.589	2.466	14.9	19.8
191304 2003 GD_{44}			5 15.7 345°.67		10°.0/11.2 18	
4 11	15 53.97	+ 2 21.9	1.430	2.289	16.4	19.0
4 21	15 49.76	+ 3 17.2	1.368	2.282	13.5	18.8
5 1	15 43.05	+ 3 59.1	1.326	2.276	11.1	18.6
5 11	15 34.68	+ 4 20.1	1.307	2.271	10.0	18.5
5 21	15 25.76	+ 4 14.9	1.310	2.267	11.0	18.5
5 31	15 17.51	+ 3 41.4	1.336	2.263	13.5	18.7
6 10	15 11.02	+ 2 41.6	1.382	2.260	16.6	18.9
6 20	15 6.95	+ 1 19.9	1.446	2.258	19.5	19.1
35349 1997 LY_{12}			5 15.7 89°.69		1°.4/14.8 18	
4 11	15 53.78	−15 13.1	2.373	3.218	11.2	19.5
4 21	15 48.69	−15 0.0	2.304	3.228	8.3	19.3
5 1	15 41.98	−14 44.5	2.260	3.239	5.1	19.1
5 11	15 34.26	−14 28.5	2.243	3.249	2.0	18.9
5 21	15 26.26	−14 14.1	2.254	3.259	2.6	19.0
5 31	15 18.76	−14 3.4	2.294	3.269	5.8	19.2
6 10	15 12.42	−13 58.5	2.360	3.279	8.9	19.4
6 20	15 7.73	−14 0.7	2.450	3.289	11.6	19.6

180459 2004 CY_5 5 15.7 113°.30 1°.9/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 58.36	−15 46.1	1.749	2.600	14.2	21.0
4 21	15 52.54	−15 18.3	1.687	2.614	10.6	20.8
5 1	15 44.50	−14 46.3	1.649	2.628	6.5	20.6
5 11	15 35.08	−14 13.1	1.636	2.642	2.5	20.4
5 21	15 25.35	−13 42.2	1.651	2.655	3.4	20.4
5 31	15 16.38	−13 17.3	1.692	2.668	7.5	20.7
6 10	15 9.10	−13 1.6	1.759	2.680	11.3	21.0
6 20	15 4.06	−12 56.9	1.847	2.692	14.6	21.2

189356 2008 DF_{16} 5 15.7 230°.32 5°.0/13.0 17

4 11	15 56.52	− 8 17.1	1.723	2.580	14.2	20.7
4 21	15 51.36	− 7 31.6	1.647	2.574	10.8	20.5
5 1	15 43.91	− 6 47.3	1.595	2.568	7.4	20.3
5 11	15 34.95	− 6 9.3	1.568	2.562	5.1	20.1
5 21	15 25.46	− 5 42.1	1.567	2.556	6.2	20.2
5 31	15 16.54	− 5 29.4	1.592	2.549	9.5	20.4
6 10	15 9.18	− 5 33.1	1.641	2.542	13.1	20.6
6 20	15 4.02	− 5 53.1	1.709	2.535	16.4	20.8

153122 2000 SA_{97} 5 15.7 344°.29 0°.3/15.2 18

4 11	15 46.25	−19 15.4	4.039	4.873	7.2	19.2
4 21	15 42.62	−18 44.8	3.952	4.872	5.3	19.1
5 1	15 38.09	−18 10.3	3.892	4.870	3.2	18.9
5 11	15 33.00	−17 33.6	3.861	4.868	1.0	18.7
5 21	15 27.74	−16 56.2	3.860	4.867	1.4	18.8
5 31	15 22.73	−16 20.1	3.888	4.865	3.6	18.9
6 10	15 18.34	−15 47.0	3.944	4.864	5.6	19.1
6 20	15 14.85	−15 18.6	4.026	4.863	7.5	19.2

484827 2009 GE_5 5 15.7 343°.50 22°.4/10.9 18

4 11	16 4.90	+24 17.4	1.048	1.842	25.4	20.2
4 21	15 58.77	+25 28.1	1.006	1.838	23.9	20.1
5 1	15 48.89	+25 55.0	0.977	1.834	22.8	20.0
5 11	15 36.60	+25 24.9	0.963	1.831	22.4	19.9
5 21	15 23.71	+23 51.9	0.964	1.829	22.9	19.9
5 31	15 12.13	+21 18.9	0.982	1.827	24.1	20.0
6 10	15 3.36	+17 57.6	1.015	1.826	25.9	20.1
6 20	14 58.18	+14 3.8	1.063	1.825	27.9	20.3

499316 2009 WG_{89} 5 15.7 194°.68 0°.3/15.4 17

4 11	15 56.54	−19 56.8	2.489	3.321	11.2	23.3
4 21	15 50.79	−19 27.6	2.401	3.318	8.4	23.1
5 1	15 43.32	−18 51.7	2.338	3.315	5.1	22.9
5 11	15 34.74	−18 10.9	2.303	3.310	1.6	22.6
5 21	15 25.80	−17 27.5	2.298	3.305	2.1	22.6
5 31	15 17.30	−16 45.2	2.322	3.299	5.6	22.9
6 10	15 9.98	−16 7.3	2.373	3.293	8.8	23.1
6 20	15 4.34	−15 36.7	2.449	3.286	11.7	23.2

314020 2004 XF_9 5 15.7 249°.76 0°.2/15.6 17

4 11	16 0.84	−18 13.6	1.606	2.455	15.4	20.5
4 21	15 55.12	−18 25.2	1.517	2.442	11.7	20.3
5 1	15 46.54	−18 32.1	1.450	2.429	7.3	20.0
5 11	15 35.92	−18 34.8	1.409	2.416	2.4	19.6
5 21	15 24.39	−18 34.3	1.394	2.402	2.8	19.6
5 31	15 13.34	−18 33.3	1.405	2.388	7.9	19.9
6 10	15 4.07	−18 35.2	1.442	2.373	12.5	20.1
6 20	14 57.45	−18 43.0	1.499	2.358	16.6	20.3

188115 2002 AE_{83} 5 15.7 93°.23 6°.7/12.5 17

4 11	15 57.10	− 2 8.5	1.764	2.613	14.2	19.9
4 21	15 51.56	− 1 31.9	1.706	2.622	11.2	19.7
5 1	15 43.90	− 1 3.5	1.670	2.630	8.4	19.6
5 11	15 34.94	− 0 48.1	1.659	2.639	6.8	19.5
5 21	15 25.64	− 0 49.1	1.675	2.647	7.7	19.6
5 31	15 17.03	− 1 8.1	1.715	2.655	10.2	19.7
6 10	15 9.98	− 1 44.5	1.780	2.663	13.2	19.9
6 20	15 5.05	− 2 36.2	1.864	2.671	15.9	20.2

86922 2000 HZ_{56} 5 15.7 263°.17 1°.4/15.1 17

4 11	16 0.24	−16 9.8	1.579	2.432	15.4	19.4
4 21	15 54.76	−16 4.3	1.484	2.412	11.7	19.1
5 1	15 46.40	−15 54.7	1.411	2.391	7.3	18.8
5 11	15 35.90	−15 42.6	1.363	2.369	2.6	18.4
5 21	15 24.41	−15 30.4	1.341	2.347	3.4	18.4
5 31	15 13.30	−15 21.5	1.346	2.325	8.5	18.7
6 10	15 3.92	−15 19.6	1.374	2.302	13.3	18.9
6 20	14 57.20	−15 27.5	1.423	2.279	17.5	19.1

282426 2003 UO_{381} 5 15.7 336°.98 4°.4/13.1 17

4 11	15 52.70	−10 34.8	1.673	2.539	14.1	20.6
4 21	15 48.57	− 9 40.8	1.601	2.533	10.7	20.4
5 1	15 42.23	− 8 45.8	1.551	2.529	7.0	20.2
5 11	15 34.44	− 7 54.8	1.526	2.524	4.5	20.0
5 21	15 26.18	− 7 12.9	1.527	2.520	5.7	20.1
5 31	15 18.50	− 6 44.7	1.553	2.516	9.2	20.3
6 10	15 12.34	− 6 32.8	1.603	2.513	12.9	20.5
6 20	15 8.32	− 6 38.0	1.672	2.510	16.1	20.7

243326 2008 SA_{178} 5 15.7 162°.09 2°.7/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.91	−29 12.8	2.753	3.554	11.0	22.2
4 21	15 51.75	−29 19.1	2.670	3.561	8.6	22.1
5 1	15 43.88	−29 15.3	2.612	3.568	6.0	21.9
5 11	15 34.93	−29 0.9	2.581	3.574	3.5	21.8
5 21	15 25.65	−28 36.8	2.579	3.579	2.9	21.7
5 31	15 16.84	−28 5.4	2.607	3.584	5.1	21.9
6 10	15 9.21	−27 30.1	2.662	3.588	7.7	22.1
6 20	15 3.28	−26 54.7	2.743	3.591	10.2	22.2

395832 2012 XF_{84} 5 15.7 137°.26 2°.2/17.3 17

4 11	15 54.36	−27 46.3	2.522	3.339	11.5	21.3
4 21	15 49.22	−27 36.8	2.442	3.345	8.9	21.2
5 1	15 42.36	−27 16.8	2.386	3.350	5.9	21.0
5 11	15 34.44	−26 46.7	2.357	3.356	3.1	20.8
5 21	15 26.22	−26 8.3	2.356	3.361	2.5	20.8
5 31	15 18.49	−25 24.4	2.384	3.366	5.1	20.9
6 10	15 11.97	−24 39.3	2.439	3.371	8.1	21.1
6 20	15 7.15	−23 56.6	2.518	3.375	10.8	21.3

207293 2005 GW_{30} 5 15.7 214°.80 0°.2/15.8 17

4 11	15 55.30	−20 28.4	2.243	3.081	12.0	21.3
4 21	15 50.11	−20 20.7	2.158	3.077	9.0	21.1
5 1	15 43.02	−20 6.6	2.097	3.073	5.6	20.9
5 11	15 34.69	−19 47.2	2.063	3.069	1.9	20.6
5 21	15 25.91	−19 24.4	2.057	3.065	2.0	20.6
5 31	15 17.59	−19 1.0	2.079	3.060	5.8	20.9
6 10	15 10.53	−18 40.2	2.128	3.056	9.3	21.1
6 20	15 5.29	−18 24.7	2.200	3.051	12.3	21.3

160353 2003 UV_{162} 5 15.7 246°.87 0°.7/15.3 18 R

4 11	15 56.24	−17 27.9	2.151	2.994	12.3	20.1
4 21	15 50.94	−17 21.7	2.059	2.982	9.2	19.9
5 1	15 43.61	−17 11.3	1.992	2.971	5.7	19.6
5 11	15 34.91	−16 57.9	1.952	2.959	1.9	19.3
5 21	15 25.66	−16 43.5	1.939	2.946	2.4	19.4
5 31	15 16.80	−16 30.6	1.955	2.934	6.3	19.6
6 10	15 9.22	−16 22.1	1.997	2.921	10.0	19.8
6 20	15 3.54	−16 20.2	2.062	2.908	13.2	20.0

512399 2016 PL_{31} 5 15.7 203°.80 2°.7/14.0 17

4 11	15 54.74	−10 44.0	2.439	3.283	11.0	22.0
4 21	15 49.45	−10 28.3	2.359	3.281	8.2	21.8
5 1	15 42.51	−10 13.2	2.303	3.278	5.3	21.6
5 11	15 34.51	−10 0.9	2.274	3.274	2.9	21.5
5 21	15 26.14	− 9 53.5	2.274	3.271	3.7	21.5
5 31	15 18.17	− 9 52.9	2.303	3.267	6.5	21.7
6 10	15 11.30	−10 0.5	2.357	3.263	9.5	21.9
6 20	15 6.03	−10 17.0	2.435	3.259	12.1	22.0

428837 2008 TC_{186} 5 15.7 296°.27 1°.3/15.2 18

4 11	15 59.10	−14 11.7	1.776	2.626	14.1	20.6
4 21	15 53.47	−14 34.3	1.691	2.617	10.6	20.4
5 1	15 45.36	−14 57.3	1.629	2.608	6.6	20.1
5 11	15 35.52	−15 21.1	1.592	2.599	2.4	19.8
5 21	15 24.95	−15 46.5	1.583	2.590	3.0	19.9
5 31	15 14.83	−16 14.5	1.602	2.581	7.4	20.1
6 10	15 6.27	−16 46.4	1.645	2.572	11.5	20.3
6 20	15 0.02	−17 23.2	1.711	2.564	15.2	20.5

159350 2007 DL_{100} 5 15.7 104°.77 5°.3/17.9 18

4 11	16 7.07	−31 17.9	1.970	2.767	14.9	20.0
4 21	15 59.32	−32 26.2	1.905	2.788	11.9	19.8
5 1	15 48.87	−33 21.5	1.863	2.809	8.7	19.7
5 11	15 36.61	−33 59.9	1.848	2.829	6.0	19.6
5 21	15 23.77	−34 19.6	1.860	2.849	5.4	19.6
5 31	15 11.70	−34 21.9	1.901	2.868	7.5	19.7
6 10	15 1.55	−34 11.8	1.968	2.887	10.4	19.9
6 20	14 54.05	−33 55.0	2.058	2.905	13.2	20.2

271749 2004 RF_{337} 5 15.7 124°.13 2°.2/16.9 17

4 11	15 57.79	−25 25.8	1.943	2.774	13.9	20.9
4 21	15 52.25	−25 34.2	1.868	2.780	10.6	20.7
5 1	15 44.44	−25 32.2	1.816	2.786	7.0	20.4
5 11	15 35.17	−25 19.7	1.790	2.792	3.3	20.2
5 21	15 25.44	−24 58.0	1.791	2.797	2.8	20.2
5 31	15 16.33	−24 30.1	1.820	2.803	6.3	20.4
6 10	15 8.81	−24 0.7	1.874	2.808	9.9	20.7
6 20	15 3.49	−23 33.9	1.951	2.813	13.2	20.9

255021 2005 TS_{54} 5 15.7 243°.18 2°.1/13.9 18

4 11	15 52.32	−13 43.7	2.824	3.666	9.7	21.6
4 21	15 47.53	−13 2.0	2.728	3.650	7.3	21.4
5 1	15 41.30	−12 17.5	2.657	3.634	4.6	21.2
5 11	15 34.13	−11 32.5	2.615	3.617	2.3	21.0
5 21	15 26.61	−10 50.0	2.602	3.600	3.1	21.1
5 31	15 19.38	−10 13.0	2.618	3.583	5.8	21.2
6 10	15 13.06	− 9 43.9	2.661	3.565	8.6	21.4
6 20	15 8.11	− 9 24.5	2.728	3.546	11.1	21.5

521053 2015 DA_{237} 5 15.7 32°.81 4°.3/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.94	−29 39.2	1.737	2.563	15.4	21.3
4 21	15 52.77	−30 9.7	1.662	2.566	12.2	21.1
5 1	15 44.97	−30 26.5	1.609	2.569	8.6	20.9
5 11	15 35.39	−30 27.7	1.580	2.573	5.3	20.7
5 21	15 25.18	−30 13.3	1.577	2.576	4.6	20.6
5 31	15 15.66	−29 46.2	1.600	2.580	7.3	20.8
6 10	15 7.96	−29 12.1	1.647	2.584	10.9	21.0
6 20	15 2.81	−28 36.9	1.717	2.588	14.3	21.2

270539 2002 GE_{114} 5 15.7 337°.60 4°.4/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.65	−25 53.6	1.529	2.370	16.5	19.4
4 21	15 54.60	−27 5.6	1.446	2.361	12.9	19.1
5 1	15 46.44	−28 10.0	1.385	2.352	9.0	18.9
5 11	15 35.97	−29 2.7	1.348	2.345	5.3	18.6
5 21	15 24.43	−29 40.9	1.336	2.337	4.9	18.6
5 31	15 13.37	−30 4.4	1.350	2.331	8.3	18.8
6 10	15 4.24	−30 16.7	1.388	2.325	12.5	19.0
6 20	14 58.05	−30 23.2	1.446	2.320	16.3	19.2

159916 2004 WX_2 5 15.7 223°.48 1°.6/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.76	−15 47.0	2.093	2.940	12.4	21.3
4 21	15 50.54	−15 22.5	2.008	2.933	9.3	21.1
5 1	15 43.34	−14 54.1	1.947	2.926	5.7	20.8
5 11	15 34.83	−14 23.9	1.913	2.919	2.2	20.6
5 21	15 25.84	−13 54.9	1.907	2.912	3.1	20.6
5 31	15 17.33	−13 30.5	1.929	2.904	6.8	20.8
6 10	15 10.12	−13 13.6	1.977	2.896	10.3	21.0
6 20	15 4.81	−13 6.2	2.047	2.887	13.5	21.2

248858 2006 TE_{101} 5 15.7 25°.74 0°.3/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.60	−20 58.5	2.015	2.863	12.8	20.1
4 21	15 48.19	−20 19.8	1.941	2.866	9.6	19.9
5 1	15 41.86	−19 32.3	1.890	2.869	5.9	19.6
5 11	15 34.33	−18 38.7	1.865	2.872	1.9	19.4
5 21	15 26.45	−17 42.7	1.868	2.876	2.3	19.4
5 31	15 19.15	−16 48.7	1.898	2.880	6.2	19.7
6 10	15 13.22	−16 1.4	1.954	2.883	9.9	19.9
6 20	15 9.19	−15 23.9	2.032	2.888	13.0	20.1

253095 2002 TH_{270} 5 15.7 355°.06 4°.6/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.89	−28 31.9	1.343	2.191	17.9	19.8
4 21	15 52.67	−29 4.9	1.271	2.188	14.2	19.5
5 1	15 45.23	−29 22.7	1.218	2.186	9.9	19.3
5 11	15 35.55	−29 22.6	1.188	2.184	5.8	19.0
5 21	15 25.01	−29 4.6	1.181	2.183	5.0	19.0
5 31	15 15.27	−28 32.6	1.198	2.183	8.5	19.2
6 10	15 7.75	−27 53.6	1.238	2.183	12.9	19.4
6 20	15 3.33	−27 15.0	1.298	2.184	16.9	19.7

380619 2004 TX_{249} 5 15.7 224°.87 6°.1/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.03	− 1 22.2	2.452	3.287	11.2	21.6
4 21	15 49.68	− 0 22.9	2.369	3.275	9.0	21.5
5 1	15 42.68	+ 0 31.6	2.311	3.262	7.0	21.3
5 11	15 34.60	+ 1 16.7	2.281	3.249	6.1	21.2
5 21	15 26.12	+ 1 48.6	2.278	3.234	7.0	21.3
5 31	15 18.02	+ 2 4.3	2.302	3.219	9.1	21.4
6 10	15 10.97	+ 2 3.0	2.350	3.204	11.5	21.5
6 20	15 5.49	+ 1 45.2	2.420	3.187	13.8	21.6

49719 1999 VE_{50} 5 15.7 103°.53 1°.8/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.95	−24 20.3	1.348	2.198	17.7	18.5
4 21	15 55.30	−24 14.1	1.286	2.210	13.5	18.2
5 1	15 46.59	−23 54.1	1.245	2.221	8.6	18.0
5 11	15 35.91	−23 21.0	1.226	2.231	3.5	17.7
5 21	15 24.70	−22 37.8	1.234	2.242	3.1	17.7
5 31	15 14.53	−21 50.5	1.266	2.252	8.0	18.0
6 10	15 6.65	−21 6.1	1.322	2.262	12.7	18.3
6 20	15 1.77	−20 30.2	1.398	2.272	16.8	18.6

308454 2005 SF_{256} 5 15.7 246°.92 1°.8/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.55	−15 13.0	2.566	3.410	10.5	21.7
4 21	15 47.84	−14 34.5	2.474	3.398	7.8	21.5
5 1	15 41.55	−13 52.3	2.406	3.385	4.9	21.3
5 11	15 34.24	−13 8.7	2.367	3.372	2.1	21.1
5 21	15 26.54	−12 26.7	2.356	3.358	2.9	21.1
5 31	15 19.20	−11 49.6	2.375	3.345	6.0	21.3
6 10	15 12.87	−11 20.2	2.419	3.331	9.0	21.4
6 20	15 8.04	−11 0.4	2.487	3.316	11.7	21.6

507769 2013 YJ_{106} 5 15.7 203°.79 5°.4/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.77	− 2 42.5	2.421	3.258	11.3	22.5
4 21	15 50.20	− 2 3.6	2.344	3.253	8.9	22.3
5 1	15 42.97	− 1 29.9	2.291	3.248	6.6	22.2
5 11	15 34.69	− 1 5.0	2.265	3.242	5.4	22.1
5 21	15 26.05	− 0 52.0	2.267	3.236	6.2	22.1
5 31	15 17.82	− 0 53.0	2.297	3.229	8.4	22.2
6 10	15 10.69	− 1 8.5	2.351	3.221	10.9	22.4
6 20	15 5.17	− 1 37.8	2.428	3.213	13.3	22.5

203969 2003 SR_{157} 5 15.7 236°.04 0°.8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 56.53	−22 33.7	2.493	3.320	11.3	21.7
4 21	15 50.98	−22 24.7	2.392	3.304	8.6	21.5
5 1	15 43.58	−22 8.2	2.315	3.288	5.4	21.3
5 11	15 34.92	−21 44.8	2.267	3.272	2.0	21.0
5 21	15 25.76	−21 16.0	2.247	3.255	1.9	21.0
5 31	15 16.93	−20 44.5	2.256	3.237	5.4	21.2
6 10	15 9.24	−20 13.8	2.292	3.218	8.8	21.3
6 20	15 3.27	−19 47.2	2.353	3.199	11.8	21.5

471807 2012 VB_{104} 5 15.7 292°.20 2°.0/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.87	−13 3.8	1.941	2.791	13.1	21.1
4 21	15 51.60	−13 9.8	1.853	2.779	9.9	20.9
5 1	15 44.13	−13 15.8	1.789	2.768	6.2	20.7
5 11	15 35.14	−13 23.6	1.752	2.757	2.6	20.4
5 21	15 25.52	−13 34.5	1.742	2.746	3.3	20.4
5 31	15 16.32	−13 50.2	1.759	2.734	7.2	20.6
6 10	15 8.50	−14 12.3	1.801	2.723	11.0	20.8
6 20	15 2.73	−14 41.7	1.866	2.713	14.4	21.0

16411 1986 QY_2 5 15.7 277°.94 8°.7/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.24	+ 2 3.6	1.937	2.779	13.4	17.9
4 21	15 49.59	+ 3 23.7	1.853	2.756	11.2	17.7
5 1	15 42.87	+ 4 36.5	1.792	2.733	9.3	17.6
5 11	15 34.73	+ 5 35.0	1.756	2.710	8.8	17.5
5 21	15 26.00	+ 6 13.1	1.745	2.686	9.9	17.5
5 31	15 17.64	+ 6 27.0	1.758	2.662	12.2	17.6
6 10	15 10.56	+ 6 15.6	1.794	2.638	14.9	17.7
6 20	15 5.40	+ 5 40.7	1.847	2.613	17.5	17.8

491504 2012 JK_{11} 5 15.7 239°.01 13°.6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 8.28	+ 9 48.6	1.257	2.082	20.2	21.1
4 21	16 1.08	+10 23.0	1.189	2.073	17.5	20.9
5 1	15 50.39	+10 32.3	1.139	2.064	15.0	20.7
5 11	15 37.25	+10 6.8	1.110	2.054	13.6	20.6
5 21	15 23.17	+ 9 1.4	1.103	2.043	14.4	20.6
5 31	15 9.94	+ 7 16.7	1.119	2.032	16.8	20.7
6 10	14 59.08	+ 4 59.8	1.157	2.021	20.1	20.8
6 20	14 51.51	+ 2 20.6	1.212	2.009	23.3	21.0

497435 2005 XH_{67} 5 15.7 109°.34 0°.3/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.03	−18 58.7	1.900	2.744	13.6	21.9
4 21	15 52.29	−18 52.2	1.833	2.756	10.2	21.7
5 1	15 44.40	−18 39.9	1.790	2.768	6.2	21.5
5 11	15 35.17	−18 23.1	1.773	2.780	2.0	21.2
5 21	15 25.58	−18 4.2	1.784	2.792	2.4	21.3
5 31	15 16.67	−17 46.1	1.822	2.803	6.5	21.5
6 10	15 9.33	−17 32.2	1.887	2.815	10.3	21.8
6 20	15 4.13	−17 25.0	1.973	2.825	13.5	22.0

376057 2010 EH_{147} 5 15.7 174°.60 2°.4/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.75	−12 34.0	2.330	3.171	11.5	22.2
4 21	15 50.99	−12 8.8	2.253	3.174	8.6	22.1
5 1	15 43.49	−11 42.3	2.201	3.177	5.4	21.9
5 11	15 34.87	−11 17.1	2.176	3.179	2.7	21.7
5 21	15 25.92	−10 55.8	2.181	3.180	3.5	21.7
5 31	15 17.44	−10 40.9	2.213	3.180	6.6	21.9
6 10	15 10.17	−10 34.4	2.273	3.180	9.7	22.1
6 20	15 4.62	−10 37.5	2.355	3.179	12.5	22.3

98243 2000 SE_{166} 5 15.7 123°.80 2°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.64	−26 35.5	1.609	2.446	16.0	19.4
4 21	15 53.95	−26 18.8	1.541	2.455	12.3	19.2
5 1	15 45.61	−25 47.2	1.494	2.465	8.0	19.0
5 11	15 35.59	−25 1.5	1.471	2.474	3.7	18.8
5 21	15 25.14	−24 4.8	1.475	2.483	3.0	18.7
5 31	15 15.56	−23 3.0	1.506	2.491	7.1	19.0
6 10	15 7.95	−22 2.9	1.562	2.499	11.3	19.3
6 20	15 2.96	−21 10.6	1.639	2.506	15.0	19.5

208606 2002 CB_{218} 5 15.7 9°.84 6°.0/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.26	−31 5.2	1.326	2.164	18.7	19.6
4 21	15 54.59	−31 48.3	1.256	2.164	15.0	19.4
5 1	15 46.49	−32 13.7	1.205	2.165	10.9	19.2
5 11	15 36.00	−32 17.7	1.176	2.166	7.1	19.0
5 21	15 24.61	−31 59.4	1.170	2.168	6.2	18.9
5 31	15 14.11	−31 22.6	1.188	2.170	9.1	19.1
6 10	15 6.01	−30 35.4	1.229	2.172	13.2	19.3
6 20	15 1.21	−29 46.4	1.290	2.175	17.2	19.5

508593 2017 OU_{60} 5 15.7 232°.55 3°.3/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.96	−12 4.9	1.853	2.706	13.5	21.7
4 21	15 51.67	−11 28.6	1.770	2.697	10.2	21.4
5 1	15 44.16	−10 50.4	1.710	2.687	6.5	21.2
5 11	15 35.15	−10 13.8	1.676	2.677	3.6	21.0
5 21	15 25.59	− 9 42.9	1.669	2.667	4.6	21.0
5 31	15 16.52	− 9 21.5	1.689	2.656	8.3	21.2
6 10	15 8.92	− 9 12.2	1.734	2.645	12.0	21.4
6 20	15 3.43	− 9 16.5	1.800	2.634	15.4	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
93440 2000 SX_{328}			5 15.7 148°.77		0°.7/15.1 18	R
	h m	° ′			°	m
4 11	15 55.84	−22 30.1	1.887	2.730	13.7	19.4
4 21	15 50.67	−21 8.4	1.810	2.733	10.3	19.2
5 1	15 43.41	−19 33.2	1.757	2.735	6.3	19.0
5 11	15 34.86	−17 48.9	1.731	2.738	2.0	18.7
5 21	15 26.01	−16 1.8	1.733	2.740	2.7	18.8
5 31	15 17.86	−14 19.5	1.765	2.742	7.0	19.0
6 10	15 11.27	−12 48.8	1.822	2.744	10.9	19.3
6 20	15 6.78	−11 34.3	1.903	2.746	14.2	19.5
275665 2000 NA_{14}			5 15.7 320°.68		2°.1/16.6 17	
4 11	15 52.52	−24 37.9	1.335	2.198	17.1	20.0
4 21	15 49.59	−24 36.0	1.237	2.168	13.3	19.7
5 1	15 43.55	−24 19.7	1.160	2.138	8.8	19.4
5 11	15 35.13	−23 48.7	1.105	2.110	3.8	19.0
5 21	15 25.53	−23 4.6	1.073	2.082	3.3	18.9
5 31	15 16.32	−22 12.8	1.065	2.055	8.6	19.1
6 10	15 9.03	−21 20.9	1.079	2.028	14.0	19.3
6 20	15 4.73	−20 36.2	1.112	2.003	18.8	19.5
55873 Shiomidake			5 15.7 136°.93		1°.2/16.5 18	
4 11	15 58.93	−23 51.8	2.188	3.014	12.7	19.3
4 21	15 52.76	−23 43.6	2.116	3.027	9.6	19.2
5 1	15 44.62	−23 26.4	2.069	3.040	6.1	19.0
5 11	15 35.26	−23 0.8	2.048	3.053	2.5	18.8
5 21	15 25.58	−22 28.8	2.057	3.064	2.2	18.7
5 31	15 16.54	−21 53.7	2.094	3.075	5.7	19.0
6 10	15 8.95	−21 19.7	2.157	3.086	9.1	19.2
6 20	15 3.35	−20 50.2	2.245	3.096	12.1	19.4
34210 2000 QV_{67}			5 15.7 122°.12		4°.3/12.4 18	
4 11	15 53.12	− 5 11.7	2.668	3.508	10.2	18.7
4 21	15 48.00	− 4 29.4	2.608	3.523	7.9	18.6
5 1	15 41.51	− 3 50.5	2.573	3.536	5.6	18.4
5 11	15 34.23	− 3 18.4	2.566	3.550	4.4	18.4
5 21	15 26.75	− 2 55.6	2.587	3.563	5.1	18.4
5 31	15 19.73	− 2 44.2	2.636	3.575	7.2	18.6
6 10	15 13.72	− 2 45.0	2.711	3.587	9.4	18.8
6 20	15 9.12	− 2 57.6	2.808	3.599	11.5	18.9
181224 2005 TU_{3}			5 15.7 236°.25		5°.8/10.2 18	
4 11	15 51.62	− 0 34.0	2.807	3.642	9.9	20.6
4 21	15 46.98	+ 0 34.0	2.726	3.629	8.0	20.4
5 1	15 40.97	+ 1 37.6	2.670	3.616	6.4	20.3
5 11	15 34.08	+ 2 32.6	2.642	3.603	5.8	20.3
5 21	15 26.88	+ 3 15.2	2.641	3.588	6.6	20.3
5 31	15 19.99	+ 3 42.7	2.668	3.574	8.4	20.4
6 10	15 13.97	+ 3 54.1	2.718	3.559	10.5	20.5
6 20	15 9.27	+ 3 49.5	2.790	3.544	12.4	20.6
106376 2000 VW_{13}			5 15.7 176°.38		1°.6/14.3 18	
4 11	15 52.34	−15 35.8	2.798	3.639	9.8	20.5
4 21	15 47.48	−14 51.8	2.718	3.640	7.3	20.3
5 1	15 41.24	−14 4.2	2.664	3.642	4.5	20.1
5 11	15 34.16	−13 15.5	2.638	3.642	1.9	19.9
5 21	15 26.82	−12 28.5	2.641	3.643	2.7	20.0
5 31	15 19.87	−11 46.5	2.674	3.643	5.5	20.2
6 10	15 13.89	−11 11.9	2.734	3.643	8.2	20.4
6 20	15 9.30	−10 46.4	2.818	3.643	10.6	20.5
228222 1996 XG_{30}			5 15.7 115°.72		0°.6/15.4 17	
4 11	15 57.04	−18 26.9	1.902	2.748	13.5	21.3
4 21	15 51.58	−18 13.8	1.833	2.757	10.1	21.1
5 1	15 44.01	−17 54.9	1.786	2.765	6.2	20.8
5 11	15 35.09	−17 32.2	1.766	2.773	2.0	20.6
5 21	15 25.78	−17 8.1	1.774	2.781	2.5	20.6
5 31	15 17.11	−16 45.9	1.809	2.789	6.6	20.9
6 10	15 9.97	−16 29.1	1.869	2.796	10.4	21.2
6 20	15 4.94	−16 20.0	1.952	2.804	13.6	21.4
98390 2000 TC_{62}			5 15.7 172°.17		3°.7/13.8 18	
4 11	15 59.79	−10 1.8	1.907	2.753	13.5	20.3
4 21	15 53.59	− 9 32.3	1.834	2.757	10.2	20.1
5 1	15 45.23	− 9 3.4	1.786	2.760	6.7	19.9
5 11	15 35.50	− 8 38.7	1.764	2.762	3.9	19.7
5 21	15 25.33	− 8 21.2	1.770	2.764	4.9	19.8
5 31	15 15.78	− 8 14.1	1.803	2.765	8.2	20.0
6 10	15 7.74	− 8 18.9	1.861	2.765	11.7	20.2
6 20	15 1.82	− 8 36.0	1.942	2.765	14.8	20.4
29438 1997 MV			5 15.7 84°.44		6°.7/12.9 18	
4 11	15 58.14	− 5 59.1	1.351	2.217	16.7	18.6
4 21	15 52.98	− 5 9.4	1.293	2.222	13.0	18.4
5 1	15 45.10	− 4 24.8	1.255	2.227	9.1	18.1
5 11	15 35.48	− 3 51.8	1.241	2.232	6.8	18.0
5 21	15 25.37	− 3 35.6	1.252	2.237	7.9	18.1
5 31	15 16.10	− 3 39.7	1.286	2.242	11.4	18.3
6 10	15 8.82	− 4 4.3	1.342	2.247	15.2	18.5
6 20	15 4.20	− 4 47.5	1.416	2.251	18.7	18.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
109143 2001 QC_{57}			5 15.7 241°.25		2°.4/17.0 18	
	h m	° ′			°	m
4 11	15 58.02	−26 26.4	1.862	2.693	14.4	20.4
4 21	15 52.71	−26 26.1	1.772	2.683	11.2	20.2
5 1	15 44.94	−26 13.6	1.705	2.674	7.4	19.9
5 11	15 35.46	−25 48.5	1.663	2.664	3.6	19.7
5 21	15 25.32	−25 12.2	1.647	2.654	3.0	19.6
5 31	15 15.71	−24 28.5	1.659	2.643	6.7	19.8
6 10	15 7.72	−23 43.0	1.697	2.632	10.7	20.0
6 20	15 2.09	−23 1.0	1.756	2.621	14.3	20.2
327733 2006 SE_{300}			5 15.7 213°.21		4°.2/13.4 17	
4 11	15 57.39	− 9 32.7	1.882	2.733	13.4	21.4
4 21	15 51.91	− 8 51.2	1.803	2.728	10.2	21.2
5 1	15 44.27	− 8 9.9	1.748	2.722	6.8	21.0
5 11	15 35.21	− 7 33.0	1.718	2.715	4.3	20.8
5 21	15 25.64	− 7 4.4	1.716	2.708	5.4	20.9
5 31	15 16.59	− 6 47.9	1.741	2.700	8.7	21.1
6 10	15 8.99	− 6 45.4	1.790	2.692	12.2	21.2
6 20	15 3.47	− 6 57.5	1.861	2.683	15.3	21.4
475585 2006 UY_{39}			5 15.7 188°.06		0°.8/15.1 17	
4 11	15 53.11	−18 48.4	2.499	3.339	10.9	22.2
4 21	15 48.25	−18 10.6	2.417	3.339	8.1	22.0
5 1	15 41.81	−17 26.9	2.360	3.338	4.9	21.8
5 11	15 34.36	−16 39.4	2.330	3.337	1.6	21.6
5 21	15 26.62	−15 51.2	2.330	3.336	2.2	21.6
5 31	15 19.31	−15 5.7	2.358	3.335	5.6	21.8
6 10	15 13.10	−14 26.3	2.413	3.333	8.7	22.0
6 20	15 8.46	−13 55.4	2.492	3.331	11.4	22.2
169288 2001 SD_{290}			5 15.7 112°.79		3°.0/17.9 18	
4 11	15 55.44	−30 17.5	2.268	3.080	12.7	19.8
4 21	15 50.24	−30 4.6	2.190	3.087	10.0	19.6
5 1	15 43.12	−29 38.3	2.136	3.095	6.9	19.4
5 11	15 34.79	−28 58.6	2.107	3.101	4.0	19.2
5 21	15 26.15	−28 7.8	2.106	3.108	3.2	19.2
5 31	15 18.10	−27 9.5	2.134	3.115	5.7	19.4
6 10	15 11.45	−26 9.1	2.188	3.121	8.7	19.6
6 20	15 6.73	−25 11.3	2.266	3.128	11.6	19.8
89532 2001 XP_{77}			5 15.7 319°.60		0°.9/15.2 17	
4 11	15 54.32	−19 10.0	1.549	2.410	15.2	19.7
4 21	15 50.16	−18 40.3	1.470	2.402	11.5	19.4
5 1	15 43.44	−18 1.6	1.412	2.394	7.1	19.2
5 11	15 34.99	−17 16.9	1.379	2.386	2.3	18.8
5 21	15 25.90	−16 30.0	1.371	2.379	3.0	18.9
5 31	15 17.44	−15 46.5	1.389	2.372	7.9	19.1
6 10	15 10.70	−15 11.5	1.430	2.365	12.4	19.4
6 20	15 6.41	−14 48.6	1.492	2.359	16.3	19.6
503512 2016 FD_{5}			5 15.7 103°.40		1°.1/15.2 17	
4 11	15 59.31	−18 3.4	1.568	2.421	15.5	22.0
4 21	15 53.57	−17 38.6	1.508	2.436	11.5	21.8
5 1	15 45.32	−17 7.0	1.470	2.450	7.0	21.6
5 11	15 35.54	−16 31.6	1.457	2.464	2.3	21.3
5 21	15 25.38	−15 55.8	1.470	2.477	3.1	21.4
5 31	15 16.09	−15 24.4	1.510	2.490	7.7	21.7
6 10	15 8.70	−15 1.4	1.575	2.503	11.9	22.0
6 20	15 3.79	−14 49.4	1.660	2.516	15.4	22.3
147423 2003 GV_{16}			5 15.7 325°.03		1°.1/15.1 18	
4 11	15 55.43	−15 21.2	2.166	3.012	12.1	19.4
4 21	15 50.27	−15 26.3	2.085	3.009	9.0	19.2
5 1	15 43.20	−15 29.6	2.028	3.007	5.6	19.0
5 11	15 34.86	−15 32.3	1.998	3.004	2.0	18.7
5 21	15 26.07	−15 35.7	1.996	3.002	2.6	18.8
5 31	15 17.71	−15 41.7	2.022	3.000	6.2	19.0
6 10	15 10.61	−15 52.1	2.074	2.998	9.7	19.2
6 20	15 5.35	−16 8.1	2.149	2.996	12.7	19.4
499940 2011 HF_{52}			5 15.7 53°.33		7°.4/10.8 17	
4 11	15 53.73	− 5 6.0	1.553	2.419	15.0	20.9
4 21	15 49.15	− 3 19.4	1.512	2.439	11.6	20.7
5 1	15 42.47	− 1 38.2	1.495	2.459	8.7	20.6
5 11	15 34.57	− 0 10.7	1.502	2.480	7.4	20.6
5 21	15 26.50	+ 0 56.2	1.534	2.501	8.7	20.7
5 31	15 19.28	+ 1 38.4	1.590	2.523	11.4	20.9
6 10	15 13.72	+ 1 55.1	1.669	2.544	14.3	21.1
6 20	15 10.30	+ 1 48.3	1.766	2.566	16.9	21.4
368567 2004 GO_{44}			5 15.7 232°.41		1°.6/14.8 17	
4 11	15 56.31	−17 16.5	1.791	2.643	13.9	21.2
4 21	15 51.28	−16 38.2	1.709	2.637	10.4	20.9
5 1	15 43.97	−15 53.0	1.650	2.630	6.4	20.7
5 11	15 35.14	−15 4.1	1.617	2.623	2.4	20.4
5 21	15 25.77	−14 15.4	1.611	2.616	3.3	20.4
5 31	15 16.97	−13 31.9	1.632	2.608	7.6	20.7
6 10	15 9.70	−12 57.9	1.677	2.600	11.6	20.9
6 20	15 4.64	−12 36.3	1.744	2.592	15.1	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
497900 2006 UT_{358}			5 15.7 241°.98		1°.4/14.9 17	
	h m	° ′			°	m
4 11	15 58.28	−16 35.4	1.919	2.765	13.4	22.4
4 21	15 52.75	−16 15.3	1.826	2.750	10.1	22.2
5 1	15 44.92	−15 50.3	1.756	2.735	6.3	21.9
5 11	15 35.47	−15 22.2	1.713	2.719	2.3	21.6
5 21	15 25.37	−14 54.1	1.697	2.702	3.1	21.6
5 31	15 15.68	−14 29.3	1.709	2.685	7.3	21.8
6 10	15 7.44	−14 11.7	1.746	2.667	11.3	22.0
6 20	15 1.33	−14 3.7	1.805	2.649	14.9	22.2
66813 1999 UQ_{11}			5 15.7 95°.15		6°.7/19.7 18	
4 11	16 1.51	−37 40.0	2.037	2.817	15.1	17.9
4 21	15 55.27	−38 23.6	1.968	2.832	12.5	17.8
5 1	15 46.45	−38 49.6	1.921	2.847	9.8	17.6
5 11	15 35.94	−38 54.8	1.898	2.861	7.5	17.5
5 21	15 24.91	−38 38.6	1.901	2.875	6.7	17.5
5 31	15 14.65	−38 3.6	1.930	2.889	8.0	17.6
6 10	15 6.25	−37 15.7	1.984	2.903	10.3	17.8
6 20	15 0.38	−36 21.8	2.061	2.916	12.8	18.0
181874 1999 HW_{11}			5 15.7 44°.27		0°.2/13.1 18	
4 11	15 33.08	− 8 50.9	44.607	45.449	0.7	23.7
4 21	15 32.47	− 8 47.0	44.534	45.455	0.5	23.6
5 1	15 31.80	− 8 43.3	44.489	45.461	0.3	23.6
5 11	15 31.09	− 8 39.8	44.472	45.466	0.2	23.6
5 21	15 30.37	− 8 36.7	44.484	45.472	0.3	23.6
5 31	15 29.66	− 8 34.0	44.525	45.478	0.4	23.6
6 10	15 28.99	− 8 31.8	44.593	45.484	0.6	23.6
6 20	15 28.39	− 8 30.3	44.686	45.490	0.8	23.7
29688 1998 XM_{92}			5 15.7 50°.26		3°.7/14.0 18	
4 11	15 56.28	−11 51.3	1.482	2.347	15.6	17.6
4 21	15 51.41	−11 19.9	1.423	2.356	11.7	17.3
5 1	15 44.06	−10 48.1	1.386	2.366	7.4	17.1
5 11	15 35.16	−10 19.9	1.374	2.376	4.0	16.9
5 21	15 25.84	− 9 59.4	1.387	2.386	5.0	17.0
5 31	15 17.33	− 9 50.3	1.425	2.396	9.0	17.3
6 10	15 10.65	− 9 54.5	1.486	2.407	13.0	17.5
6 20	15 6.40	−10 12.4	1.567	2.418	16.4	17.8
87849 2000 SR_{212}			5 15.7 260°.99		2°.1/14.3 18	
4 11	15 54.79	−12 41.5	2.567	3.408	10.6	19.8
4 21	15 49.61	−12 26.3	2.466	3.387	8.0	19.6
5 1	15 42.75	−12 10.0	2.390	3.367	5.0	19.4
5 11	15 34.74	−11 54.6	2.343	3.346	2.4	19.1
5 21	15 26.25	−11 42.3	2.323	3.324	3.2	19.2
5 31	15 18.02	−11 35.0	2.333	3.302	6.2	19.3
6 10	15 10.77	−11 34.9	2.370	3.280	9.3	19.5
6 20	15 5.06	−11 43.0	2.430	3.257	12.0	19.6
172997 2006 LO_{1}			5 15.7 329°.57		5°.3/13.7 17	
4 11	15 54.23	− 9 36.8	1.176	2.058	17.6	19.5
4 21	15 50.73	− 9 5.4	1.103	2.044	13.5	19.2
5 1	15 44.13	− 8 35.5	1.050	2.031	9.0	19.0
5 11	15 35.31	− 8 13.0	1.018	2.019	5.6	18.7
5 21	15 25.59	− 8 3.1	1.010	2.007	6.9	18.7
5 31	15 16.51	− 8 10.3	1.023	1.997	11.4	19.0
6 10	15 9.50	− 8 36.5	1.057	1.987	16.2	19.2
6 20	15 5.45	− 9 21.0	1.109	1.979	20.4	19.4
486014 2012 RP_{17}			5 15.7 301°.82		1°.7/17.6 18	
4 11	15 48.42	−27 57.4	4.329	5.133	7.3	21.3
4 21	15 44.32	−28 4.5	4.237	5.131	5.6	21.1
5 1	15 39.24	−28 5.8	4.171	5.130	3.9	21.0
5 11	15 33.54	−28 1.4	4.133	5.128	2.2	20.9
5 21	15 27.64	−27 51.9	4.125	5.126	1.9	20.9
5 31	15 21.94	−27 38.3	4.146	5.124	3.3	21.0
6 10	15 16.86	−27 22.4	4.195	5.122	5.1	21.1
6 20	15 12.72	−27 5.8	4.270	5.120	6.8	21.2
150826 2001 SZ_{19}			5 15.7 172°.96		0°.1/15.7 17	
4 11	15 58.08	−20 1.7	2.069	2.907	12.9	21.3
4 21	15 52.31	−19 50.5	1.990	2.910	9.7	21.0
5 1	15 44.48	−19 32.6	1.935	2.912	6.0	20.8
5 11	15 35.30	−19 9.3	1.907	2.914	1.9	20.6
5 21	15 25.69	−18 42.8	1.907	2.915	2.2	20.6
5 31	15 16.63	−18 16.3	1.935	2.915	6.2	20.8
6 10	15 9.00	−17 53.4	1.989	2.916	9.9	21.1
6 20	15 3.39	−17 37.0	2.067	2.915	13.1	21.3
109212 2001 QR_{83}			5 15.7 155°.18		1°.8/16.9 17	
4 11	15 58.79	−26 5.7	2.319	3.137	12.3	20.2
4 21	15 52.65	−25 57.1	2.241	3.146	9.4	20.1
5 1	15 44.58	−25 38.2	2.187	3.154	6.2	19.9
5 11	15 35.31	−25 9.4	2.160	3.162	2.9	19.7
5 21	15 25.70	−24 32.4	2.162	3.169	2.4	19.6
5 31	15 16.66	−23 50.5	2.193	3.175	5.5	19.9
6 10	15 9.01	−23 8.2	2.252	3.180	8.8	20.1
6 20	15 3.29	−22 29.4	2.334	3.185	11.7	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
138659 2000 RQ_{88}			5 15.7 203°.06		4°.0/18.8 18	
	h m	° ′			°	m
4 11	15 56.36	−33 46.8	2.715	3.503	11.5	20.7
4 21	15 50.85	−33 57.9	2.623	3.500	9.3	20.5
5 1	15 43.51	−33 56.6	2.554	3.496	6.9	20.4
5 11	15 34.98	−33 41.6	2.512	3.492	4.7	20.2
5 21	15 26.03	−33 13.5	2.497	3.487	4.1	20.2
5 31	15 17.50	−32 34.4	2.511	3.482	5.6	20.3
6 10	15 10.18	−31 48.4	2.552	3.477	8.0	20.4
6 20	15 4.61	−30 59.9	2.617	3.471	10.5	20.6
17012 1999 CY_{80}			5 15.7 355°.23		5°.5/12.0 18	
4 11	15 51.13	−12 23.3	1.360	2.238	15.9	16.6
4 21	15 47.81	−10 37.1	1.295	2.235	12.0	16.3
5 1	15 41.98	− 8 44.5	1.252	2.232	8.0	16.1
5 11	15 34.52	− 6 54.5	1.233	2.230	5.5	15.9
5 21	15 26.58	− 5 16.8	1.239	2.229	7.2	16.0
5 31	15 19.39	− 3 59.7	1.269	2.229	11.2	16.2
6 10	15 13.99	− 3 8.3	1.320	2.229	15.2	16.5
6 20	15 11.01	− 2 43.4	1.390	2.230	18.7	16.7
155938 2001 QR_{32}			5 15.7 295°.47		0°.5/15.5 17	
4 11	15 55.98	−20 43.0	1.278	2.145	17.4	20.3
4 21	15 52.23	−20 11.9	1.185	2.120	13.4	20.0
5 1	15 45.21	−19 27.1	1.112	2.095	8.4	19.6
5 11	15 35.74	−18 30.6	1.062	2.070	2.7	19.2
5 21	15 25.09	−17 27.1	1.036	2.044	3.4	19.2
5 31	15 14.92	−16 23.9	1.034	2.019	9.4	19.4
6 10	15 6.77	−15 29.4	1.054	1.995	15.1	19.6
6 20	15 1.70	−14 50.1	1.092	1.970	20.1	19.9
156347 2001 XS_{170}			5 15.7 88°.69		1°.4/15.0 17	R
4 11	15 57.50	−16 38.0	1.762	2.614	14.1	20.8
4 21	15 52.00	−16 19.7	1.701	2.628	10.5	20.6
5 1	15 44.30	−15 57.0	1.662	2.642	6.4	20.4
5 11	15 35.24	−15 32.2	1.650	2.656	2.3	20.2
5 21	15 25.84	−15 8.4	1.664	2.670	3.0	20.2
5 31	15 17.18	−14 48.9	1.705	2.684	7.1	20.5
6 10	15 10.16	−14 36.8	1.772	2.697	10.9	20.8
6 20	15 5.35	−14 34.1	1.860	2.711	14.2	21.0
16863 1997 YJ_{16}			5 15.7 144°.39		3°.4/17.3 18	
4 11	16 3.61	−27 41.2	1.814	2.633	15.2	18.2
4 21	15 56.86	−28 7.9	1.741	2.644	11.8	18.0
5 1	15 47.46	−28 22.4	1.691	2.654	8.1	17.8
5 11	15 36.32	−28 22.9	1.667	2.663	4.5	17.6
5 21	15 24.61	−28 9.7	1.669	2.672	3.8	17.6
5 31	15 13.66	−27 45.8	1.700	2.680	7.0	17.8
6 10	15 4.59	−27 16.3	1.756	2.687	10.7	18.0
6 20	14 58.11	−26 47.0	1.834	2.693	14.0	18.3
198253 2004 TE_{222}			5 15.7 280°.85		8°.1/ 9.6 18	
4 11	15 53.17	− 1 55.5	1.810	2.665	13.7	20.0
4 21	15 48.89	− 0 15.7	1.732	2.648	11.1	19.8
5 1	15 42.51	+ 1 20.7	1.677	2.631	8.8	19.6
5 11	15 34.71	+ 2 45.8	1.647	2.614	8.1	19.5
5 21	15 26.37	+ 3 52.5	1.643	2.597	9.4	19.6
5 31	15 18.48	+ 4 35.3	1.663	2.579	12.0	19.7
6 10	15 11.95	+ 4 52.2	1.705	2.562	15.0	19.8
6 20	15 7.41	+ 4 44.2	1.766	2.545	17.7	20.0
179494 2002 CU_{62}			5 15.7 122°.38		6°.9/11.1 18	
4 11	15 53.93	+ 3 29.1	2.479	3.306	11.3	20.0
4 21	15 48.75	+ 4 8.8	2.419	3.313	9.3	19.8
5 1	15 42.07	+ 4 38.9	2.384	3.319	7.7	19.7
5 11	15 34.49	+ 4 55.5	2.374	3.325	6.9	19.7
5 21	15 26.67	+ 4 56.3	2.391	3.331	7.6	19.8
5 31	15 19.32	+ 4 39.8	2.434	3.337	9.3	19.9
6 10	15 13.05	+ 4 6.9	2.501	3.343	11.3	20.0
6 20	15 8.29	+ 3 19.3	2.589	3.348	13.2	20.2
6887 Hasuo			5 15.7 219°.43		0°.4/15.9 18	
4 11	16 1.32	−20 33.4	1.741	2.582	14.8	17.7
4 21	15 55.30	−20 35.1	1.653	2.574	11.2	17.4
5 1	15 46.63	−20 29.4	1.588	2.565	7.1	17.2
5 11	15 36.09	−20 16.6	1.549	2.555	2.4	16.9
5 21	15 24.81	−19 58.3	1.537	2.545	2.5	16.8
5 31	15 14.05	−19 37.8	1.552	2.534	7.3	17.1
6 10	15 5.00	−19 19.4	1.593	2.523	11.6	17.3
6 20	14 58.45	−19 7.1	1.655	2.511	15.5	17.5
286374 2001 XL_{224}			5 15.7 116°.77		0°.4/15.9 18	
4 11	16 1.17	−21 12.3	1.573	2.419	15.8	21.8
4 21	15 55.05	−21 1.5	1.510	2.433	11.9	21.5
5 1	15 46.31	−20 41.5	1.469	2.447	7.4	21.3
5 11	15 35.92	−20 13.5	1.454	2.460	2.5	21.0
5 21	15 25.12	−19 40.6	1.465	2.473	2.6	21.1
5 31	15 15.21	−19 7.1	1.503	2.486	7.3	21.4
6 10	15 7.27	−18 38.2	1.565	2.498	11.6	21.7
6 20	15 1.94	−18 17.6	1.649	2.509	15.3	21.9

394763 2008 GO_{25} 5 15.7 262°.10 0°.7/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 53.69	−17 28.1	2.469	3.310	10.9	21.6
4 21	15 48.83	−17 19.2	2.378	3.300	8.2	21.4
5 1	15 42.28	−17 6.5	2.312	3.290	5.0	21.2
5 11	15 34.61	−16 51.3	2.274	3.281	1.7	21.0
5 21	15 26.51	−16 35.4	2.264	3.271	2.2	21.0
5 31	15 18.76	−16 21.2	2.282	3.260	5.6	21.2
6 10	15 12.08	−16 11.0	2.327	3.250	8.8	21.4
6 20	15 7.01	−16 6.8	2.396	3.240	11.6	21.6

483924 2006 BV_{61} 5 15.7 119°.18 19°.9/ 8.8 17

4 11	16 4.60	+22 12.1	1.217	2.006	22.8	21.3
4 21	15 57.97	+23 49.6	1.186	2.015	21.2	21.2
5 1	15 48.18	+24 49.5	1.172	2.023	20.2	21.2
5 11	15 36.51	+25 0.7	1.173	2.030	19.9	21.2
5 21	15 24.54	+24 18.8	1.192	2.038	20.6	21.2
5 31	15 13.85	+22 46.0	1.227	2.045	21.8	21.4
6 10	15 5.68	+20 31.3	1.278	2.051	23.5	21.5
6 20	15 0.63	+17 46.1	1.343	2.058	25.1	21.7

243665 1999 VZ_{80} 5 15.7 183°.98 1°.7/14.7 17 R

4 11	15 58.16	−16 27.8	2.116	2.957	12.5	21.8
4 21	15 52.28	−15 49.8	2.035	2.957	9.3	21.6
5 1	15 44.42	−15 6.6	1.979	2.957	5.8	21.4
5 11	15 35.30	−14 20.9	1.951	2.957	2.2	21.2
5 21	15 25.78	−13 36.2	1.951	2.955	3.1	21.2
5 31	15 16.80	−12 56.4	1.980	2.953	6.8	21.4
6 10	15 9.20	−12 25.1	2.035	2.950	10.3	21.7
6 20	15 3.53	−12 4.7	2.113	2.946	13.4	21.8

348962 2006 UM_{38} 5 15.7 338°.69 1°.4/16.3 17

4 11	15 56.78	−21 46.2	1.953	2.793	13.4	20.5
4 21	15 51.65	−22 15.7	1.870	2.789	10.2	20.2
5 1	15 44.26	−22 39.3	1.810	2.784	6.5	20.0
5 11	15 35.31	−22 56.5	1.776	2.780	2.7	19.8
5 21	15 25.74	−23 7.5	1.769	2.777	2.5	19.7
5 31	15 16.63	−23 13.6	1.789	2.773	6.3	20.0
6 10	15 8.97	−23 17.8	1.836	2.770	10.1	20.2
6 20	15 3.44	−23 23.0	1.904	2.767	13.4	20.4

8792 1978 VH_{11} 5 15.7 224°.67 0°.7/15.3 18

4 11	15 56.74	−17 50.5	2.031	2.876	12.8	18.7
4 21	15 51.43	−17 40.9	1.947	2.870	9.6	18.5
5 1	15 44.02	−17 26.4	1.886	2.865	5.9	18.2
5 11	15 35.22	−17 8.5	1.852	2.859	2.0	18.0
5 21	15 25.89	−16 49.3	1.845	2.852	2.5	18.0
5 31	15 17.05	−16 31.9	1.866	2.846	6.5	18.2
6 10	15 9.57	−16 19.3	1.914	2.839	10.3	18.4
6 20	15 4.10	−16 13.9	1.983	2.832	13.5	18.6

222582 2001 WO_{23} 5 15.7 82°.77 3°.6/18.2 18

4 11	15 58.95	−31 30.8	1.791	2.608	15.4	19.9
4 21	15 53.18	−31 8.6	1.729	2.628	12.1	19.7
5 1	15 45.03	−30 28.6	1.689	2.648	8.4	19.5
5 11	15 35.49	−29 31.5	1.674	2.668	4.8	19.4
5 21	15 25.70	−28 20.4	1.686	2.688	3.8	19.3
5 31	15 16.86	−27 1.5	1.725	2.708	6.6	19.5
6 10	15 9.90	−25 42.1	1.790	2.727	10.1	19.8
6 20	15 5.35	−24 28.8	1.878	2.747	13.4	20.0

248510 2005 UN_{519} 5 15.7 236°.73 4°.6/12.2 16

4 11	15 52.32	− 5 6.7	2.554	3.398	10.5	21.6
4 21	15 47.64	− 4 23.6	2.475	3.391	8.2	21.4
5 1	15 41.47	− 3 43.5	2.421	3.384	5.9	21.2
5 11	15 34.35	− 3 10.1	2.393	3.377	4.6	21.1
5 21	15 26.89	− 2 46.2	2.394	3.369	5.5	21.2
5 31	15 19.80	− 2 34.5	2.422	3.362	7.6	21.3
6 10	15 13.69	− 2 35.9	2.475	3.354	10.1	21.4
6 20	15 9.03	− 2 50.5	2.550	3.346	12.4	21.6

403245 2008 WP_{136} 5 15.7 181°.61 1°.2/16.3 16

4 11	16 2.13	−22 16.4	1.666	2.505	15.4	21.7
4 21	15 55.94	−22 25.9	1.588	2.507	11.7	21.4
5 1	15 47.01	−22 26.6	1.532	2.507	7.5	21.2
5 11	15 36.23	−22 18.2	1.502	2.507	2.9	20.9
5 21	15 24.79	−22 2.1	1.498	2.507	2.6	20.9
5 31	15 14.02	−21 41.5	1.522	2.505	7.2	21.1
6 10	15 5.11	−21 21.2	1.571	2.503	11.6	21.4
6 20	14 58.83	−21 5.6	1.641	2.501	15.4	21.6

94014 2000 XJ_{29} 5 15.7 107°.73 3°.3/17.3 18

4 11	16 1.26	−27 12.2	2.005	2.823	14.0	19.8
4 21	15 54.90	−27 51.0	1.934	2.836	10.9	19.6
5 1	15 46.19	−28 19.6	1.886	2.848	7.4	19.4
5 11	15 35.92	−28 36.2	1.864	2.860	4.2	19.2
5 21	15 25.15	−28 40.5	1.870	2.872	3.7	19.2
5 31	15 15.02	−28 34.6	1.904	2.883	6.5	19.4
6 10	15 6.53	−28 22.2	1.964	2.894	9.8	19.6
6 20	15 0.34	−28 7.9	2.047	2.905	12.8	19.8

504645 2008 XF_{33} 5 15.7 213°.82 0°.8/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 56.90	−22 14.8	2.422	3.250	11.5	22.7
4 21	15 51.30	−22 10.5	2.330	3.243	8.8	22.5
5 1	15 43.85	−21 59.2	2.262	3.236	5.5	22.3
5 11	15 35.15	−21 41.3	2.222	3.227	2.1	22.0
5 21	15 25.99	−21 18.4	2.210	3.219	1.9	22.0
5 31	15 17.23	−20 52.9	2.228	3.209	5.5	22.2
6 10	15 9.65	−20 28.3	2.272	3.200	8.8	22.4
6 20	15 3.84	−20 7.5	2.341	3.189	11.8	22.6

109445 2001 QX_{201} 5 15.7 88°.58 0°.5/16.1 18

4 11	15 56.91	−24 6.3	1.705	2.548	14.9	19.1
4 21	15 51.67	−23 15.5	1.640	2.561	11.2	18.9
5 1	15 44.13	−22 11.4	1.598	2.574	7.0	18.7
5 11	15 35.22	−20 57.0	1.581	2.588	2.4	18.4
5 21	15 26.01	−19 37.4	1.592	2.601	2.4	18.4
5 31	15 17.64	−18 19.4	1.630	2.614	6.8	18.8
6 10	15 11.04	−17 9.2	1.694	2.626	10.9	19.0
6 20	15 6.75	−16 11.6	1.779	2.639	14.4	19.3

353702 2011 UY_{390} 5 15.7 183°.16 4°.3/12.2 16

4 11	15 52.45	− 4 29.1	2.911	3.749	9.6	21.8
4 21	15 47.53	− 3 47.8	2.837	3.749	7.4	21.7
5 1	15 41.30	− 3 9.7	2.788	3.749	5.4	21.5
5 11	15 34.28	− 2 38.0	2.768	3.748	4.3	21.5
5 21	15 27.00	− 2 15.2	2.775	3.747	5.0	21.5
5 31	15 20.07	− 2 3.3	2.811	3.746	6.9	21.6
6 10	15 14.04	− 2 3.2	2.873	3.744	9.1	21.8
6 20	15 9.29	− 2 14.8	2.957	3.742	11.1	21.9

297474 2000 TT_{27} 5 15.7 172°.08 2°.2/13.6 18

4 11	15 52.40	−13 40.3	2.894	3.734	9.5	21.1
4 21	15 47.50	−12 45.2	2.815	3.737	7.1	20.9
5 1	15 41.28	−11 47.4	2.763	3.739	4.5	20.8
5 11	15 34.26	−10 49.8	2.740	3.742	2.4	20.6
5 21	15 27.02	− 9 55.6	2.747	3.743	3.2	20.7
5 31	15 20.17	− 9 7.9	2.783	3.744	5.7	20.8
6 10	15 14.24	− 8 29.2	2.846	3.745	8.3	21.0
6 20	15 9.64	− 8 1.1	2.933	3.746	10.6	21.2

191321 2003 JF_{18} 5 15.7 305°.29 6°.3/11.3 18

4 11	15 52.21	− 8 29.0	1.600	2.469	14.5	19.6
4 21	15 48.52	− 6 55.7	1.514	2.446	11.2	19.3
5 1	15 42.47	− 5 19.0	1.451	2.424	8.0	19.1
5 11	15 34.77	− 3 46.5	1.413	2.402	6.3	18.9
5 21	15 26.40	− 2 26.2	1.400	2.380	7.9	19.0
5 31	15 18.48	− 1 25.6	1.411	2.359	11.3	19.1
6 10	15 12.07	− 0 48.8	1.445	2.338	15.1	19.3
6 20	15 7.87	− 0 37.0	1.497	2.317	18.5	19.5

240783 2005 TP_{101} 5 15.7 205°.72 0°.8/16.2 18

4 11	15 56.35	−21 22.9	2.719	3.545	10.5	20.7
4 21	15 50.71	−21 39.3	2.630	3.541	7.9	20.5
5 1	15 43.41	−21 50.8	2.565	3.538	5.0	20.3
5 11	15 35.00	−21 57.5	2.529	3.534	1.9	20.1
5 21	15 26.17	−21 59.9	2.521	3.529	1.8	20.1
5 31	15 17.68	−21 59.5	2.544	3.525	4.9	20.3
6 10	15 10.23	−21 58.3	2.593	3.520	7.9	20.5
6 20	15 4.33	−21 58.5	2.668	3.514	10.5	20.6

425164 2009 TU_{7} 5 15.7 307°.81 4°.3/17.3 17

4 11	15 57.01	−27 34.3	1.418	2.264	17.2	20.7
4 21	15 53.04	−28 7.6	1.321	2.238	13.7	20.4
5 1	15 45.80	−28 28.2	1.244	2.213	9.6	20.1
5 11	15 36.01	−28 33.2	1.189	2.187	5.5	19.8
5 21	15 24.92	−28 21.2	1.159	2.162	4.8	19.7
5 31	15 14.18	−27 54.8	1.152	2.138	8.7	19.9
6 10	15 5.40	−27 20.0	1.169	2.113	13.6	20.0
6 20	14 59.71	−26 44.5	1.204	2.090	18.1	20.2

279109 2009 BX_{150} 5 15.7 212°.59 3°.5/13.3 18

4 11	15 55.79	− 7 43.7	2.740	3.576	10.1	21.3
4 21	15 50.15	− 7 18.4	2.652	3.567	7.7	21.1
5 1	15 43.00	− 6 54.8	2.590	3.558	5.3	21.0
5 11	15 34.86	− 6 35.6	2.556	3.548	3.5	20.8
5 21	15 26.36	− 6 23.0	2.551	3.538	4.3	20.9
5 31	15 18.18	− 6 18.9	2.574	3.526	6.6	21.0
6 10	15 10.97	− 6 24.7	2.625	3.514	9.3	21.1
6 20	15 5.21	− 6 40.5	2.699	3.502	11.6	21.3

185664 1995 AW_{1} 5 15.7 278°.59 3°.0/14.3 17

4 11	15 56.45	−12 59.5	1.657	2.516	14.5	20.5
4 21	15 51.55	−12 33.9	1.581	2.511	10.9	20.3
5 1	15 44.25	−12 6.3	1.527	2.507	6.9	20.0
5 11	15 35.34	−11 40.3	1.499	2.502	3.4	19.8
5 21	15 25.85	−11 19.3	1.496	2.498	4.4	19.8
5 31	15 16.95	−11 7.0	1.520	2.493	8.4	20.1
6 10	15 9.68	−11 6.0	1.567	2.488	12.4	20.3
6 20	15 4.70	−11 17.6	1.636	2.484	16.0	20.5

147245 2002 XV_{77} 5 15.7 99°.26 0°.2/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 59.89	−19 13.8	1.776	2.620	14.4	19.8
4 21	15 53.81	−19 10.7	1.715	2.638	10.8	19.6
5 1	15 45.44	−19 1.3	1.678	2.655	6.6	19.3
5 11	15 35.67	−18 47.0	1.666	2.673	2.1	19.1
5 21	15 25.56	−18 29.9	1.682	2.690	2.4	19.1
5 31	15 16.23	−18 13.2	1.725	2.706	6.7	19.5
6 10	15 8.63	−18 0.5	1.793	2.723	10.6	19.7
6 20	15 3.33	−17 54.3	1.884	2.739	13.9	20.0

427931 2005 VC_{28} 5 15.7 164°.62 1°.3/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.06	−23 30.4	1.906	2.742	13.9	22.1
4 21	15 52.56	−23 29.4	1.829	2.745	10.6	21.9
5 1	15 44.78	−23 19.1	1.774	2.747	6.8	21.6
5 11	15 35.50	−22 59.7	1.744	2.749	2.7	21.4
5 21	15 25.71	−22 33.0	1.742	2.750	2.4	21.4
5 31	15 16.54	−22 2.6	1.768	2.752	6.4	21.6
6 10	15 8.93	−21 32.7	1.819	2.753	10.2	21.9
6 20	15 3.55	−21 7.5	1.893	2.754	13.6	22.1

227533 2005 YH_{84} 5 15.7 155°.55 0°.9/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.87	−18 8.8	2.258	3.097	11.9	21.9
4 21	15 51.20	−17 42.3	2.184	3.104	8.9	21.8
5 1	15 43.71	−17 10.4	2.134	3.111	5.4	21.6
5 11	15 35.10	−16 35.2	2.111	3.118	1.8	21.3
5 21	15 26.17	−15 59.3	2.117	3.123	2.4	21.4
5 31	15 17.78	−15 26.1	2.152	3.129	6.0	21.6
6 10	15 10.69	−14 58.9	2.213	3.133	9.3	21.8
6 20	15 5.39	−14 39.9	2.298	3.137	12.2	22.0

177086 2003 FE_{69} 5 15.7 337°.40 1°.4/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.58	−21 16.4	1.893	2.736	13.7	19.2
4 21	15 51.63	−21 51.7	1.807	2.728	10.4	18.9
5 1	15 44.33	−22 22.0	1.745	2.720	6.7	18.7
5 11	15 35.40	−22 46.6	1.708	2.713	2.7	18.4
5 21	15 25.77	−23 5.0	1.698	2.706	2.5	18.4
5 31	15 16.57	−23 18.7	1.715	2.699	6.5	18.6
6 10	15 8.83	−23 29.9	1.758	2.694	10.4	18.8
6 20	15 3.29	−23 41.7	1.823	2.688	13.8	19.0

202294 2005 CR_{28} 5 15.7 169°.79 0°.9/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.87	−22 49.2	2.405	3.232	11.6	22.0
4 21	15 51.21	−22 43.9	2.323	3.236	8.8	21.8
5 1	15 43.75	−22 31.1	2.266	3.239	5.6	21.6
5 11	15 35.13	−22 11.4	2.236	3.241	2.1	21.3
5 21	15 26.13	−21 46.4	2.235	3.243	1.9	21.3
5 31	15 17.61	−21 18.9	2.263	3.245	5.4	21.6
6 10	15 10.33	−20 52.3	2.318	3.246	8.6	21.8
6 20	15 4.82	−20 29.5	2.397	3.246	11.5	22.0

471896 2013 AO_{174} 5 15.7 209°.85 7°.5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.32	+ 4 53.4	2.610	3.434	10.9	21.4
4 21	15 47.59	+ 6 4.2	2.543	3.430	9.2	21.3
5 1	15 41.42	+ 7 6.2	2.501	3.425	7.9	21.2
5 11	15 34.35	+ 7 54.7	2.485	3.420	7.5	21.2
5 21	15 26.99	+ 8 26.0	2.495	3.414	8.3	21.2
5 31	15 20.01	+ 8 38.1	2.530	3.408	9.9	21.3
6 10	15 14.01	+ 8 30.6	2.588	3.402	11.7	21.4
6 20	15 9.43	+ 8 5.2	2.667	3.396	13.5	21.6

502352 2015 BT_{205} 5 15.7 136°.82 6°.1/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 1.46	−37 23.0	2.091	2.871	14.8	21.8
4 21	15 55.17	−37 45.8	2.015	2.881	12.2	21.7
5 1	15 46.40	−37 50.6	1.961	2.890	9.4	21.5
5 11	15 36.02	−37 35.0	1.931	2.899	7.0	21.4
5 21	15 25.17	−36 58.9	1.928	2.908	6.1	21.3
5 31	15 15.07	−36 5.9	1.951	2.916	7.5	21.4
6 10	15 6.76	−35 2.1	2.000	2.924	10.0	21.6
6 20	15 0.91	−33 54.6	2.073	2.931	12.7	21.8

479844 2014 GE_{15} 5 15.7 257°.24 4°.0/17.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.99	−29 54.4	2.345	3.151	12.6	21.2
4 21	15 53.19	−30 39.5	2.253	3.143	10.0	21.0
5 1	15 45.20	−31 15.1	2.184	3.136	7.2	20.8
5 11	15 35.67	−31 38.7	2.141	3.128	4.7	20.6
5 21	15 25.47	−31 49.4	2.126	3.121	4.2	20.6
5 31	15 15.62	−31 48.2	2.140	3.113	6.3	20.7
6 10	15 7.08	−31 38.4	2.180	3.105	9.2	20.9
6 20	15 0.56	−31 24.0	2.243	3.097	12.0	21.0

393191 2013 CT_{144} 5 15.7 202°.14 4°.0/12.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.24	− 6 59.7	2.675	3.519	10.1	21.7
4 21	15 47.52	− 6 16.0	2.598	3.516	7.7	21.6
5 1	15 41.38	− 5 34.1	2.546	3.513	5.4	21.4
5 11	15 34.34	− 4 57.2	2.521	3.510	4.0	21.3
5 21	15 27.02	− 4 28.2	2.525	3.506	4.8	21.3
5 31	15 20.06	− 4 9.7	2.557	3.502	7.0	21.5
6 10	15 14.05	− 4 3.0	2.614	3.498	9.5	21.6
6 20	15 9.44	− 4 8.4	2.694	3.494	11.7	21.8

300080 2006 UR_{215} 5 15.7 158°.06 3°.8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 56.75	−31 57.5	2.555	3.353	11.9	21.2
4 21	15 51.20	−32 14.2	2.472	3.356	9.5	21.0
5 1	15 43.79	−32 19.1	2.412	3.360	6.9	20.9
5 11	15 35.15	−32 11.1	2.378	3.363	4.5	20.7
5 21	15 26.11	−31 50.7	2.372	3.366	3.9	20.7
5 31	15 17.54	−31 20.0	2.394	3.368	5.7	20.8
6 10	15 10.23	−30 43.1	2.443	3.371	8.2	21.0
6 20	15 4.74	−30 4.2	2.517	3.373	10.8	21.1

74922 1999 TV_{146} 5 15.7 316°.73 0°.7/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.70	−18 7.2	1.230	2.105	17.5	19.3
4 21	15 51.38	−18 6.8	1.141	2.080	13.4	19.0
5 1	15 44.79	−17 59.8	1.072	2.056	8.4	18.6
5 11	15 35.70	−17 47.6	1.024	2.032	2.8	18.2
5 21	15 25.37	−17 32.9	1.000	2.009	3.4	18.1
5 31	15 15.45	−17 20.0	0.999	1.986	9.4	18.4
6 10	15 7.55	−17 13.9	1.019	1.965	15.0	18.6
6 20	15 2.76	−17 18.6	1.057	1.944	19.9	18.9

100016 1989 SD_{8} 5 15.7 207°.87 2°.2/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.13	−26 44.7	2.339	3.154	12.3	20.7
4 21	15 53.11	−26 44.3	2.245	3.147	9.6	20.5
5 1	15 45.04	−26 33.5	2.175	3.140	6.4	20.3
5 11	15 35.59	−26 12.1	2.132	3.131	3.2	20.0
5 21	15 25.62	−25 41.0	2.117	3.123	2.6	20.0
5 31	15 16.11	−25 3.3	2.132	3.113	5.7	20.2
6 10	15 7.91	−24 23.3	2.174	3.102	9.0	20.4
6 20	15 1.67	−23 45.1	2.239	3.091	12.1	20.5

419524 2010 JV_{80} 5 15.7 327°.36 1°.0/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 47.65	−26 13.1	3.813	4.630	7.9	20.4
4 21	15 43.86	−25 42.6	3.717	4.622	6.1	20.2
5 1	15 39.03	−25 4.9	3.647	4.614	3.9	20.1
5 11	15 33.56	−24 21.1	3.605	4.607	1.8	19.9
5 21	15 27.90	−23 32.8	3.592	4.599	1.4	19.9
5 31	15 22.51	−22 42.3	3.610	4.592	3.5	20.0
6 10	15 17.82	−21 52.1	3.655	4.585	5.7	20.2
6 20	15 14.15	−21 4.7	3.727	4.578	7.7	20.3

486073 2012 UM_{18} 5 15.7 267°.31 2°.1/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 47.67	−31 0.8	4.549	5.342	7.1	21.6
4 21	15 43.77	−30 56.9	4.453	5.337	5.6	21.4
5 1	15 38.94	−30 45.9	4.383	5.332	4.0	21.3
5 11	15 33.53	−30 28.3	4.340	5.328	2.5	21.2
5 21	15 27.94	−30 4.5	4.327	5.323	2.1	21.2
5 31	15 22.56	−29 36.1	4.342	5.318	3.3	21.2
6 10	15 17.78	−29 4.9	4.386	5.314	4.9	21.4
6 20	15 13.91	−28 32.8	4.456	5.309	6.5	21.5

250893 2005 VK_{61} 5 15.7 255°.59 2°.0/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.53	−12 41.0	2.602	3.443	10.4	20.8
4 21	15 49.40	−12 30.1	2.507	3.428	7.8	20.6
5 1	15 42.65	−12 18.5	2.436	3.412	5.0	20.4
5 11	15 34.80	−12 8.0	2.394	3.397	2.3	20.2
5 21	15 26.51	−12 0.4	2.380	3.381	3.0	20.2
5 31	15 18.51	−11 57.7	2.395	3.364	6.0	20.4
6 10	15 11.50	−12 1.5	2.436	3.348	9.0	20.6
6 20	15 5.98	−12 12.9	2.502	3.331	11.7	20.7

262165 2006 SE_{102} 5 15.7 95°.89 0°.7/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.34	−19 14.1	1.636	2.487	15.1	21.4
4 21	15 52.82	−18 46.4	1.575	2.502	11.2	21.2
5 1	15 44.91	−18 11.0	1.536	2.516	6.9	20.9
5 11	15 35.53	−17 30.5	1.523	2.530	2.2	20.7
5 21	15 25.80	−16 48.7	1.536	2.544	2.8	20.8
5 31	15 16.90	−16 10.4	1.576	2.557	7.3	21.1
6 10	15 9.80	−15 39.9	1.641	2.571	11.4	21.3
6 20	15 5.09	−15 20.1	1.727	2.584	14.9	21.6

376467 2012 JL_{16} 5 15.7 48°.88 7°.7/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.84	− 4 17.8	1.617	2.480	14.7	20.6
4 21	15 49.43	− 2 35.4	1.558	2.482	11.6	20.4
5 1	15 42.84	− 0 56.7	1.522	2.484	8.8	20.3
5 11	15 34.87	+ 0 30.0	1.510	2.487	7.7	20.2
5 21	15 26.51	+ 1 37.4	1.524	2.489	9.0	20.3
5 31	15 18.84	+ 2 20.4	1.562	2.492	11.8	20.5
6 10	15 12.74	+ 2 37.5	1.622	2.494	14.8	20.7
6 20	15 8.80	+ 2 30.1	1.700	2.497	17.6	20.9

199738 2006 HG_{115} 5 15.7 307°.20 0°.5/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.32	−18 50.9	1.868	2.718	13.5	20.9
4 21	15 50.53	−18 37.9	1.789	2.715	10.2	20.7
5 1	15 43.56	−18 18.7	1.732	2.712	6.3	20.4
5 11	15 35.13	−17 55.1	1.701	2.708	2.0	20.2
5 21	15 26.20	−17 29.4	1.697	2.705	2.5	20.2
5 31	15 17.79	−17 5.3	1.720	2.702	6.7	20.4
6 10	15 10.86	−16 46.3	1.768	2.699	10.7	20.7
6 20	15 6.04	−16 35.3	1.838	2.696	14.1	20.9

466636 2014 WX_{27} 5 15.7 173°.22 0°.2/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 59.81	−20 16.9	1.811	2.652	14.3	22.5
4 21	15 53.94	−20 13.4	1.734	2.655	10.8	22.3
5 1	15 45.68	−20 2.7	1.680	2.657	6.7	22.1
5 11	15 35.83	−19 45.7	1.652	2.658	2.2	21.8
5 21	15 25.44	−19 24.5	1.651	2.659	2.4	21.8
5 31	15 15.68	−19 2.3	1.678	2.660	6.8	22.1
6 10	15 7.58	−18 43.3	1.730	2.660	10.9	22.3
6 20	15 1.79	−18 30.6	1.804	2.659	14.4	22.5

214140 2005 AX_{47} 5 15.7 1°.78 6°.5/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 48.35	−32 7.0	0.942	1.815	21.7	19.0
4 21	15 47.22	−32 26.0	0.882	1.811	17.5	18.7
5 1	15 42.35	−32 17.9	0.839	1.809	12.7	18.5
5 11	15 34.88	−31 40.3	0.814	1.809	8.2	18.2
5 21	15 26.51	−30 35.5	0.809	1.812	6.6	18.1
5 31	15 19.22	−29 12.0	0.825	1.816	9.9	18.3
6 10	15 14.66	−27 42.7	0.859	1.823	14.7	18.6
6 20	15 13.64	−26 19.2	0.912	1.831	19.3	18.9

263444 2008 DY_{86} 5 15.8 300°.08 3°.6/13.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.87	−10 43.0	2.226	3.080	11.5	21.1
4 21	15 47.55	− 9 50.6	2.148	3.075	8.7	20.9
5 1	15 41.54	− 8 57.1	2.095	3.070	5.7	20.7
5 11	15 34.45	− 8 6.4	2.069	3.066	3.7	20.6
5 21	15 27.00	− 7 22.4	2.070	3.061	4.6	20.6
5 31	15 19.99	− 6 48.8	2.098	3.057	7.5	20.8
6 10	15 14.13	− 6 27.9	2.151	3.052	10.5	21.0
6 20	15 9.90	− 6 20.7	2.227	3.048	13.2	21.1

272614 2005 WG_{24} 5 15.8 195°.74 0°.4/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.71	−17 40.2	2.194	3.029	12.3	21.6
4 21	15 53.54	−17 47.3	2.108	3.027	9.3	21.3
5 1	15 45.31	−17 50.9	2.047	3.024	5.7	21.1
5 11	15 35.71	−17 51.4	2.013	3.020	1.9	20.8
5 21	15 25.60	−17 50.2	2.009	3.016	2.2	20.9
5 31	15 15.92	−17 49.0	2.032	3.012	6.1	21.1
6 10	15 7.58	−17 50.4	2.083	3.006	9.7	21.3
6 20	15 1.18	−17 56.5	2.158	3.001	12.8	21.5

35855 1999 JC_{64} 5 15.8 296°.28 0°.9/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.90	−18 54.0	1.684	2.540	14.5	18.8
4 21	15 50.64	−18 27.3	1.588	2.518	11.0	18.5
5 1	15 43.88	−17 52.1	1.515	2.496	6.8	18.2
5 11	15 35.32	−17 10.8	1.467	2.474	2.3	17.9
5 21	15 25.98	−16 26.7	1.445	2.452	3.0	17.8
5 31	15 17.06	−15 44.7	1.448	2.430	7.7	18.1
6 10	15 9.67	−15 10.1	1.476	2.409	12.2	18.3
6 20	15 4.63	−14 46.8	1.525	2.387	16.2	18.5

496971 2002 QO_{32} 5 15.8 270°.98 2°.1/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.94	−24 51.1	1.717	2.554	15.1	21.9
4 21	15 53.83	−24 57.0	1.618	2.534	11.7	21.7
5 1	15 45.95	−24 51.7	1.540	2.512	7.7	21.4
5 11	15 36.04	−24 34.6	1.488	2.491	3.5	21.1
5 21	15 25.19	−24 6.5	1.462	2.469	3.0	21.0
5 31	15 14.73	−23 30.9	1.462	2.447	7.3	21.2
6 10	15 5.94	−22 53.3	1.487	2.424	11.8	21.4
6 20	14 59.70	−22 19.5	1.534	2.401	15.9	21.6

313787 2003 YB_{71} 5 15.8 91°.77 0°.6/15.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.18	−17 52.5	1.569	2.422	15.5	20.6
4 21	15 54.35	−17 52.2	1.508	2.435	11.6	20.3
5 1	15 45.95	−17 46.8	1.469	2.448	7.1	20.1
5 11	15 35.92	−17 37.4	1.454	2.461	2.3	19.8
5 21	15 25.46	−17 26.4	1.466	2.474	2.8	19.9
5 31	15 15.82	−17 16.8	1.505	2.487	7.5	20.2
6 10	15 8.08	−17 12.3	1.568	2.500	11.7	20.5
6 20	15 2.88	−17 15.1	1.652	2.512	15.3	20.7

231243 2005 YJ_{50} 5 15.8 120°.57 8°.1/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.18	+ 1 51.9	1.892	2.732	13.8	20.3
4 21	15 50.88	+ 2 46.8	1.834	2.738	11.3	20.1
5 1	15 43.61	+ 3 31.3	1.799	2.744	9.1	20.0
5 11	15 35.13	+ 3 59.8	1.789	2.749	8.1	19.9
5 21	15 26.33	+ 4 8.6	1.804	2.755	9.0	20.0
5 31	15 18.14	+ 3 55.6	1.844	2.760	11.1	20.1
6 10	15 11.38	+ 3 21.8	1.907	2.765	13.6	20.3
6 20	15 6.58	+ 2 29.9	1.989	2.770	15.9	20.5

268419 2005 UE_{399} 5 15.8 295°.76 1°.5/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.80	−22 50.1	1.696	2.540	14.9	20.5
4 21	15 52.75	−23 3.0	1.615	2.536	11.4	20.3
5 1	15 45.12	−23 7.1	1.556	2.531	7.3	20.0
5 11	15 35.72	−23 2.2	1.522	2.526	3.0	19.7
5 21	15 25.63	−22 49.6	1.514	2.522	2.7	19.7
5 31	15 16.11	−22 32.0	1.533	2.518	7.0	20.0
6 10	15 8.30	−22 14.0	1.576	2.513	11.2	20.2
6 20	15 2.95	−21 59.8	1.641	2.509	14.9	20.4

74812 1999 TN_5 5 15.8 228°.37 1°.3/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.65	−17 41.2	1.696	2.548	14.6	19.7
4 21	15 52.49	−17 12.4	1.615	2.543	10.9	19.5
5 1	15 44.88	−16 36.7	1.556	2.536	6.8	19.2
5 11	15 35.62	−15 56.8	1.523	2.530	2.4	18.9
5 21	15 25.76	−15 16.3	1.517	2.523	3.2	18.9
5 31	15 16.48	−14 39.9	1.537	2.516	7.7	19.2
6 10	15 8.85	−14 12.0	1.582	2.509	11.9	19.4
6 20	15 3.57	−13 55.7	1.648	2.501	15.6	19.6

130487 2000 QJ_{112} 5 15.8 214°.55 0°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.19	−21 4.1	1.900	2.737	13.9	21.1
4 21	15 54.26	−20 50.8	1.810	2.729	10.5	20.8
5 1	15 45.94	−20 29.1	1.744	2.720	6.6	20.6
5 11	15 35.97	−19 59.8	1.705	2.711	2.2	20.3
5 21	15 25.37	−19 25.4	1.693	2.701	2.3	20.3
5 31	15 15.29	−18 49.7	1.709	2.690	6.8	20.5
6 10	15 6.76	−18 17.3	1.751	2.679	10.9	20.7
6 20	15 0.50	−17 52.1	1.815	2.666	14.5	20.9

66620 1999 RZ_{203} 5 15.8 278°.75 8°.0/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.05	−40 8.0	1.914	2.691	16.1	19.4
4 21	15 54.76	−40 53.0	1.825	2.682	13.7	19.2
5 1	15 46.54	−41 18.8	1.756	2.673	11.1	19.0
5 11	15 36.23	−41 20.7	1.709	2.664	8.9	18.9
5 21	15 25.05	−40 56.8	1.687	2.655	8.0	18.8
5 31	15 14.48	−40 9.3	1.690	2.646	9.2	18.9
6 10	15 5.82	−39 4.6	1.717	2.637	11.6	19.0
6 20	14 59.94	−37 51.1	1.766	2.628	14.4	19.1

18332 1987 ON 5 15.8 299°.88 9°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.16	− 0 20.2	1.636	2.494	14.7	18.0
4 21	15 49.20	+ 1 12.0	1.556	2.472	12.1	17.8
5 1	15 42.90	+ 2 38.6	1.498	2.450	9.9	17.6
5 11	15 35.00	+ 3 51.2	1.464	2.429	9.1	17.5
5 21	15 26.42	+ 4 42.4	1.455	2.407	10.5	17.5
5 31	15 18.29	+ 5 6.7	1.468	2.386	13.2	17.6
6 10	15 11.62	+ 5 2.6	1.502	2.365	16.3	17.7
6 20	15 7.13	+ 4 31.8	1.554	2.344	19.3	17.9

176368 2001 TQ_{157} 5 15.8 239°.24 1°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.03	−16 46.6	2.340	3.184	11.4	21.3
4 21	15 49.17	−16 24.2	2.254	3.177	8.5	21.1
5 1	15 42.57	−15 57.7	2.192	3.170	5.2	20.8
5 11	15 34.82	−15 28.8	2.157	3.163	1.9	20.6
5 21	15 26.66	−15 0.3	2.150	3.156	2.5	20.6
5 31	15 18.90	−14 34.9	2.172	3.148	6.0	20.8
6 10	15 12.29	−14 15.6	2.220	3.141	9.3	21.0
6 20	15 7.35	−14 4.3	2.291	3.133	12.2	21.2

405508 2005 BG_2 5 15.8 193°.32 10°.5/22.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 13.77	−50 32.5	2.393	3.073	15.6	21.6
4 21	16 5.26	−51 46.6	2.303	3.071	14.0	21.4
5 1	15 53.18	−52 39.7	2.233	3.067	12.4	21.3
5 11	15 38.46	−53 4.9	2.184	3.063	11.1	21.2
5 21	15 22.59	−52 58.2	2.160	3.057	10.5	21.2
5 31	15 7.39	−52 19.9	2.160	3.050	10.9	21.2
6 10	14 54.51	−51 16.0	2.185	3.043	12.1	21.2
6 20	14 44.96	−49 55.5	2.232	3.034	13.8	21.3

399103 2014 DC_{56} 5 15.8 94°.07 0°.3/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.16	−19 13.7	2.273	3.113	11.8	21.4
4 21	15 49.93	−19 1.6	2.205	3.126	8.8	21.2
5 1	15 42.97	−18 44.3	2.162	3.139	5.4	21.0
5 11	15 34.93	−18 23.1	2.145	3.152	1.7	20.8
5 21	15 26.60	−18 0.2	2.157	3.165	2.0	20.8
5 31	15 18.82	−17 38.4	2.197	3.177	5.6	21.1
6 10	15 12.30	−17 20.4	2.263	3.190	8.9	21.3
6 20	15 7.54	−17 8.4	2.353	3.202	11.7	21.5

300860 2007 YW_{46} 5 15.8 213°.79 2°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.79	−12 54.9	2.318	3.166	11.3	21.1
4 21	15 48.95	−12 29.0	2.239	3.164	8.5	20.9
5 1	15 42.41	−12 1.6	2.184	3.162	5.3	20.7
5 11	15 34.78	−11 35.3	2.157	3.160	2.7	20.6
5 21	15 26.78	−11 12.8	2.157	3.157	3.4	20.6
5 31	15 19.21	−10 56.7	2.186	3.155	6.5	20.8
6 10	15 12.79	−10 49.2	2.240	3.153	9.6	21.0
6 20	15 8.01	−10 51.2	2.317	3.150	12.4	21.2

69803 1998 RL_{20} 5 15.8 168°.05 3°.0/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.97	−11 31.6	2.067	2.916	12.4	18.4
4 21	15 50.72	−11 7.9	1.993	2.918	9.4	18.2
5 1	15 43.55	−10 43.9	1.943	2.919	6.0	18.0
5 11	15 35.16	−10 22.5	1.919	2.921	3.2	17.9
5 21	15 26.37	−10 6.5	1.923	2.922	4.1	17.9
5 31	15 18.09	− 9 58.5	1.955	2.922	7.3	18.1
6 10	15 11.13	−10 0.4	2.012	2.923	10.6	18.3
6 20	15 6.04	−10 12.8	2.091	2.923	13.5	18.5

147849 2005 UG_{76} 5 15.8 263°.09 4°.0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 55.04	−33 52.4	2.438	3.234	12.5	19.8
4 21	15 50.10	−33 45.0	2.344	3.226	10.0	19.6
5 1	15 43.22	−33 22.8	2.272	3.218	7.4	19.5
5 11	15 35.07	−32 45.1	2.226	3.210	4.9	19.3
5 21	15 26.49	−31 53.1	2.208	3.202	4.1	19.2
5 31	15 18.40	−30 50.2	2.217	3.194	5.9	19.3
6 10	15 11.62	−29 41.4	2.254	3.186	8.6	19.5
6 20	15 6.72	−28 32.4	2.315	3.178	11.3	19.6

134371 1995 RH 5 15.8 259°.31 10°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 1.63	+ 8 10.1	1.980	2.791	14.4	20.2
4 21	15 55.25	+ 9 0.8	1.891	2.766	12.4	20.0
5 1	15 46.56	+ 9 37.7	1.824	2.740	10.8	19.9
5 11	15 36.23	+ 9 53.9	1.782	2.713	10.2	19.8
5 21	15 25.18	+ 9 44.6	1.765	2.686	11.1	19.8
5 31	15 14.48	+ 9 7.5	1.772	2.657	13.1	19.8
6 10	15 5.14	+ 8 4.0	1.803	2.628	15.6	19.9
6 20	14 57.89	+ 6 37.8	1.853	2.598	18.1	20.1

253129 2002 VQ_{15} 5 15.8 278°.17 12°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 15.33	−34 6.9	1.117	1.937	22.6	19.8
4 21	16 9.05	−37 10.4	1.041	1.928	19.2	19.5
5 1	15 57.20	−40 6.8	0.984	1.919	15.7	19.2
5 11	15 40.31	−42 38.9	0.949	1.911	13.1	19.1
5 21	15 20.27	−44 29.9	0.936	1.902	13.1	19.0
5 31	15 0.27	−45 31.6	0.947	1.893	15.6	19.1
6 10	14 43.65	−45 50.4	0.977	1.885	19.3	19.3
6 20	14 32.54	−45 41.0	1.024	1.876	23.0	19.5

383253 2006 CJ_{6} 5 15.8 214°.57 5°.0/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.68	−36 3.9	2.524	3.299	12.6	22.2
4 21	15 54.38	−36 18.4	2.425	3.290	10.4	22.0
5 1	15 45.92	−36 18.1	2.348	3.280	7.9	21.8
5 11	15 35.99	−36 0.9	2.297	3.269	5.7	21.6
5 21	15 25.49	−35 26.8	2.274	3.258	5.0	21.6
5 31	15 15.46	−34 38.1	2.279	3.245	6.5	21.6
6 10	15 6.81	−33 39.7	2.311	3.232	9.0	21.8
6 20	15 0.22	−32 37.4	2.368	3.219	11.6	21.9

181082 2005 QC_{37} 5 15.8 268°.87 3°.7/12.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.25	−10 13.0	2.335	3.186	11.1	20.4
4 21	15 47.83	− 9 16.2	2.249	3.173	8.5	20.1
5 1	15 41.76	− 8 18.1	2.187	3.160	5.7	20.0
5 11	15 34.60	− 7 22.6	2.152	3.147	3.8	19.8
5 21	15 27.04	− 6 33.6	2.145	3.134	4.8	19.8
5 31	15 19.85	− 5 55.1	2.166	3.121	7.5	20.0
6 10	15 13.73	− 5 29.5	2.212	3.107	10.5	20.2
6 20	15 9.20	− 5 18.0	2.280	3.094	13.1	20.3

333988 2000 SC_{180} 5 15.8 256°.89 0°.1/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.53	−22 44.9	1.904	2.746	13.6	20.2
4 21	15 50.74	−21 55.3	1.814	2.735	10.3	19.9
5 1	15 43.74	−20 53.3	1.747	2.725	6.4	19.7
5 11	15 35.28	−19 41.4	1.707	2.714	2.1	19.4
5 21	15 26.30	−18 23.9	1.694	2.702	2.3	19.4
5 31	15 17.86	−17 6.8	1.709	2.691	6.7	19.6
6 10	15 10.91	−15 56.4	1.750	2.679	10.8	19.8
6 20	15 6.08	−14 57.4	1.813	2.668	14.4	20.0

225621 2001 BD 5 15.8 103°.02 6°.7/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 1.62	−38 32.5	2.066	2.841	15.1	20.3
4 21	15 55.41	−39 9.1	1.996	2.856	12.5	20.1
5 1	15 46.64	−39 27.4	1.948	2.870	9.9	20.0
5 11	15 36.22	−39 24.3	1.923	2.883	7.6	19.9
5 21	15 25.30	−38 59.6	1.924	2.897	6.8	19.8
5 31	15 15.16	−38 16.1	1.951	2.910	7.9	19.9
6 10	15 6.87	−37 20.0	2.004	2.923	10.2	20.1
6 20	15 1.08	−36 18.3	2.079	2.936	12.7	20.3

22947 Carolsuh 5 15.8 38°.63 0°.9/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.13	−19 5.3	1.258	2.128	17.5	18.2
4 21	15 51.81	−18 37.8	1.202	2.138	13.1	17.9
5 1	15 44.60	−18 1.3	1.166	2.149	8.0	17.7
5 11	15 35.56	−17 19.1	1.153	2.161	2.6	17.4
5 21	15 26.05	−16 36.1	1.165	2.173	3.3	17.4
5 31	15 17.52	−15 58.0	1.201	2.186	8.5	17.8
6 10	15 11.13	−15 30.2	1.259	2.199	13.3	18.1
6 20	15 7.55	−15 15.7	1.336	2.212	17.2	18.4

253604 2003 UE_{24} 5 15.8 234°.05 0°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.72	−20 5.8	1.883	2.721	13.9	21.0
4 21	15 54.79	−20 10.7	1.790	2.709	10.6	20.8
5 1	15 46.38	−20 9.3	1.720	2.696	6.7	20.5
5 11	15 36.20	−20 1.8	1.675	2.682	2.3	20.2
5 21	15 25.26	−19 49.6	1.659	2.667	2.4	20.2
5 31	15 14.74	−19 35.4	1.670	2.652	6.9	20.4
6 10	15 5.75	−19 22.9	1.708	2.637	11.1	20.7
6 20	14 59.07	−19 15.6	1.767	2.620	14.7	20.9

375794 2009 SA_{346} 5 15.8 145°.72 1°.4/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.49	−16 19.4	1.903	2.751	13.4	21.9
4 21	15 52.03	−16 0.8	1.831	2.756	10.0	21.7
5 1	15 44.44	−15 37.9	1.782	2.761	6.2	21.4
5 11	15 35.49	−15 13.2	1.759	2.765	2.3	21.2
5 21	15 26.12	−14 49.3	1.764	2.770	3.0	21.2
5 31	15 17.35	−14 29.5	1.796	2.774	6.9	21.5
6 10	15 10.08	−14 16.9	1.854	2.777	10.7	21.7
6 20	15 4.89	−14 13.5	1.934	2.781	13.9	21.9

430653 2003 SO_{274} 5 15.8 209°.27 4°.4/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.03	− 8 24.6	2.325	3.172	11.3	21.6
4 21	15 49.09	− 7 14.6	2.246	3.167	8.7	21.5
5 1	15 42.50	− 6 4.3	2.192	3.161	6.0	21.3
5 11	15 34.84	− 4 58.3	2.166	3.155	4.5	21.2
5 21	15 26.84	− 4 1.0	2.168	3.149	5.5	21.2
5 31	15 19.26	− 3 16.5	2.198	3.142	8.0	21.4
6 10	15 12.82	− 2 47.2	2.253	3.135	10.8	21.5
6 20	15 7.99	− 2 33.7	2.330	3.127	13.4	21.7

110557 2001 TV_{106} 5 15.8 186°.47 0°.8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.70	−22 4.1	2.262	3.091	12.2	20.1
4 21	15 52.77	−22 1.3	2.178	3.091	9.3	19.9
5 1	15 44.85	−21 51.1	2.117	3.090	5.8	19.6
5 11	15 35.64	−21 34.1	2.083	3.089	2.2	19.4
5 21	15 25.96	−21 11.9	2.078	3.087	2.0	19.4
5 31	15 16.76	−20 47.2	2.102	3.084	5.7	19.6
6 10	15 8.89	−20 23.5	2.153	3.081	9.2	19.8
6 20	15 2.92	−20 3.9	2.228	3.077	12.2	20.0

177255 2003 WC_{25} 5 15.8 296°.11 7°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 6.58	−34 32.6	1.687	2.485	17.0	20.6
4 21	16 0.81	−35 28.3	1.554	2.434	14.3	20.3
5 1	15 51.17	−36 10.8	1.441	2.382	11.2	20.0
5 11	15 38.13	−36 33.0	1.352	2.328	8.3	19.7
5 21	15 22.83	−36 28.7	1.287	2.273	7.7	19.5
5 31	15 7.10	−35 56.1	1.249	2.217	10.4	19.5
6 10	14 53.00	−35 0.3	1.234	2.159	14.7	19.6
6 20	14 42.17	−33 51.2	1.241	2.100	19.3	19.7

86157 1999 RW_{203} 5 15.8 306°.48 5°.2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.87	−33 39.2	2.105	2.909	13.9	19.3
4 21	15 51.25	−34 7.3	2.006	2.891	11.3	19.1
5 1	15 44.24	−34 21.3	1.927	2.872	8.5	18.9
5 11	15 35.52	−34 18.8	1.874	2.854	6.0	18.7
5 21	15 26.04	−33 59.2	1.846	2.836	5.3	18.6
5 31	15 16.95	−33 24.5	1.845	2.818	7.1	18.7
6 10	15 9.31	−32 39.5	1.869	2.801	10.1	18.8
6 20	15 3.90	−31 50.2	1.916	2.783	13.2	19.0

396498 2014 FD_{53} 5 15.8 85°.60 5°.9/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.06	− 3 0.7	2.287	3.132	11.6	21.3
4 21	15 48.20	− 1 45.1	2.238	3.151	9.1	21.2
5 1	15 41.83	− 0 34.7	2.215	3.170	6.9	21.0
5 11	15 34.59	+ 0 25.3	2.218	3.189	5.9	21.0
5 21	15 27.18	+ 1 11.1	2.248	3.208	6.8	21.1
5 31	15 20.33	+ 1 39.9	2.304	3.226	8.9	21.3
6 10	15 14.64	+ 1 50.9	2.385	3.245	11.1	21.4
6 20	15 10.53	+ 1 45.2	2.486	3.263	13.2	21.6

500423 2012 TX_{136} 5 15.8 110°.38 0°.6/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.61	−20 17.3	2.127	2.970	12.4	21.2
4 21	15 49.65	−19 30.7	2.055	2.978	9.2	21.0
5 1	15 42.86	−18 36.1	2.008	2.986	5.6	20.8
5 11	15 34.96	−17 36.1	1.987	2.994	1.8	20.6
5 21	15 26.76	−16 34.9	1.995	3.002	2.3	20.6
5 31	15 19.16	−15 36.8	2.030	3.010	6.1	20.9
6 10	15 12.90	−14 46.3	2.093	3.017	9.6	21.1
6 20	15 8.47	−14 6.3	2.178	3.024	12.6	21.3

393823 2005 SW_{37} 5 15.8 182°.97 2°.4/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.88	−28 6.9	2.958	3.764	10.3	22.1
4 21	15 50.34	−28 18.7	2.869	3.764	8.0	21.9
5 1	15 43.23	−28 22.0	2.805	3.764	5.5	21.8
5 11	15 35.09	−28 16.4	2.769	3.763	3.1	21.6
5 21	15 26.59	−28 2.6	2.761	3.762	2.6	21.6
5 31	15 18.44	−27 42.1	2.783	3.761	4.7	21.7
6 10	15 11.31	−27 18.1	2.832	3.760	7.3	21.9
6 20	15 5.70	−26 53.4	2.907	3.758	9.6	22.0

417906 2007 RW_{138} 5 15.8 266°.72 2°.0/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.63	−16 46.6	1.642	2.496	14.9	22.4
4 21	15 53.58	−16 7.3	1.543	2.472	11.3	22.1
5 1	15 45.82	−15 20.0	1.467	2.447	7.1	21.8
5 11	15 36.08	−14 27.7	1.415	2.421	2.8	21.5
5 21	15 25.43	−13 34.8	1.391	2.395	3.8	21.5
5 31	15 15.16	−12 47.1	1.392	2.369	8.6	21.7
6 10	15 6.49	−12 9.9	1.418	2.341	13.3	21.9
6 20	15 0.31	−11 47.2	1.464	2.313	17.4	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
428222 2006 VV_{136}			5 15.8 221°.55		0°.3/15.6 17	
	h m	° ′			°	m
4 11	15 58.90	−19 24.6	1.995	2.834	13.2	22.4
4 21	15 53.21	−19 12.8	1.905	2.826	10.0	22.2
5 1	15 45.28	−18 54.3	1.839	2.816	6.2	22.0
5 11	15 35.83	−18 30.6	1.799	2.806	2.0	21.7
5 21	15 25.77	−18 3.7	1.788	2.796	2.4	21.7
5 31	15 16.18	−17 37.0	1.804	2.784	6.6	21.9
6 10	15 8.02	−17 14.4	1.846	2.773	10.5	22.1
6 20	15 1.97	−16 58.9	1.911	2.760	14.0	22.3
67156 2000 AY_{197}			5 15.8 90°.97		1°.5/14.6 18	
4 11	15 51.97	−16 26.1	2.543	3.387	10.5	18.9
4 21	15 47.42	−15 45.7	2.471	3.395	7.8	18.8
5 1	15 41.40	−15 1.3	2.425	3.403	4.8	18.6
5 11	15 34.48	−14 15.5	2.405	3.411	1.9	18.4
5 21	15 27.32	−13 31.3	2.415	3.419	2.6	18.5
5 31	15 20.60	−12 51.9	2.453	3.426	5.6	18.7
6 10	15 14.94	−12 19.9	2.518	3.434	8.5	18.9
6 20	15 10.77	−11 57.3	2.606	3.442	11.1	19.1
250301 2003 QR_{37}			5 15.8 269°.57		3°.6/13.8 18	
4 11	15 57.01	−13 16.7	1.587	2.447	15.0	21.0
4 21	15 52.30	−12 25.5	1.497	2.428	11.4	20.7
5 1	15 44.97	−11 29.3	1.430	2.409	7.3	20.4
5 11	15 35.79	−10 32.5	1.387	2.389	3.9	20.2
5 21	15 25.81	− 9 40.7	1.370	2.369	5.2	20.2
5 31	15 16.29	− 8 59.8	1.380	2.349	9.5	20.4
6 10	15 8.41	− 8 34.2	1.412	2.329	13.8	20.6
6 20	15 2.97	− 8 26.2	1.464	2.308	17.7	20.8
521067 2015 DG_{239}			5 15.8 256°.00		3°.1/17.5 17	
4 11	15 57.20	−28 0.1	1.901	2.728	14.3	21.8
4 21	15 52.12	−28 8.2	1.820	2.726	11.2	21.6
5 1	15 44.67	−28 3.6	1.760	2.725	7.6	21.4
5 11	15 35.64	−27 45.8	1.726	2.724	4.2	21.1
5 21	15 26.04	−27 15.8	1.718	2.722	3.4	21.1
5 31	15 17.02	−26 37.2	1.738	2.721	6.5	21.3
6 10	15 9.61	−25 55.1	1.782	2.719	10.2	21.5
6 20	15 4.48	−25 14.9	1.850	2.718	13.5	21.7
131208 2001 DH_{48}			5 15.8 129°.28		0°.9/15.3 18	
4 11	15 57.27	−17 13.9	1.999	2.844	13.0	19.9
4 21	15 51.81	−17 6.7	1.926	2.850	9.7	19.7
5 1	15 44.30	−16 55.4	1.877	2.856	6.0	19.5
5 11	15 35.48	−16 41.4	1.854	2.861	2.0	19.3
5 21	15 26.24	−16 27.0	1.859	2.867	2.5	19.3
5 31	15 17.57	−16 14.7	1.892	2.872	6.4	19.6
6 10	15 10.33	−16 7.4	1.951	2.877	10.1	19.8
6 20	15 5.09	−16 7.1	2.032	2.881	13.2	20.0
343951 2011 KX_{28}			5 15.8 334°.49		6°.9/12.4 17	
4 11	15 53.33	− 4 18.5	1.546	2.411	15.0	19.9
4 21	15 49.40	− 3 32.5	1.473	2.400	11.8	19.7
5 1	15 43.07	− 2 52.3	1.421	2.389	8.7	19.4
5 11	15 35.14	− 2 23.9	1.394	2.379	6.9	19.3
5 21	15 26.60	− 2 12.2	1.390	2.370	8.0	19.4
5 31	15 18.60	− 2 20.4	1.411	2.362	11.1	19.5
6 10	15 12.19	− 2 49.3	1.453	2.354	14.6	19.7
6 20	15 8.05	− 3 37.1	1.515	2.347	17.8	19.9
491184 2011 UY_{56}			5 15.8 192°.03		5°.4/18.9 18	
4 11	16 3.45	−37 26.7	3.018	3.771	11.3	21.7
4 21	15 56.32	−38 26.3	2.924	3.769	9.4	21.5
5 1	15 47.13	−39 14.4	2.854	3.767	7.5	21.4
5 11	15 36.46	−39 48.1	2.811	3.764	5.9	21.3
5 21	15 25.13	−40 5.6	2.797	3.761	5.5	21.3
5 31	15 14.07	−40 7.4	2.811	3.757	6.5	21.3
6 10	15 4.18	−39 56.3	2.853	3.753	8.3	21.4
6 20	14 56.13	−39 36.4	2.920	3.748	10.2	21.6
61359 2000 PW_{13}			5 15.8 241°.72		0°.8/15.3 18	
4 11	15 56.32	−18 44.2	1.806	2.656	13.9	19.2
4 21	15 51.40	−18 18.2	1.725	2.651	10.5	19.0
5 1	15 44.21	−17 44.9	1.667	2.646	6.4	18.7
5 11	15 35.50	−17 6.8	1.634	2.641	2.1	18.4
5 21	15 26.24	−16 27.0	1.629	2.636	2.7	18.5
5 31	15 17.55	−15 50.0	1.650	2.631	7.1	18.7
6 10	15 10.39	−15 20.0	1.697	2.626	11.1	18.9
6 20	15 5.42	−15 0.0	1.765	2.620	14.7	19.1
9861 Jahreiss			5 15.8 195°.35		0°.7/16.1 18	
4 11	16 0.42	−22 39.1	1.708	2.548	15.1	18.9
4 21	15 54.64	−22 18.8	1.627	2.546	11.5	18.7
5 1	15 46.28	−21 47.3	1.568	2.544	7.2	18.4
5 11	15 36.19	−21 6.0	1.535	2.541	2.6	18.1
5 21	15 25.50	−20 17.9	1.528	2.537	2.5	18.1
5 31	15 15.47	−19 27.9	1.549	2.532	7.2	18.4
6 10	15 7.21	−18 41.8	1.595	2.527	11.5	18.6
6 20	15 1.44	−18 4.5	1.663	2.522	15.3	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
308654 2006 BY_{68}			5 15.8 357°.04		0°.5/15.6 17	
	h m	° ′			°	m
4 11	15 56.16	−18 6.7	1.100	1.979	18.8	20.0
4 21	15 52.50	−18 14.3	1.035	1.975	14.2	19.8
5 1	15 45.44	−18 15.7	0.989	1.973	8.8	19.5
5 11	15 36.01	−18 12.2	0.964	1.972	2.9	19.1
5 21	15 25.69	−18 6.2	0.962	1.971	3.3	19.1
5 31	15 16.22	−18 1.8	0.983	1.972	9.3	19.5
6 10	15 9.13	−18 3.4	1.025	1.973	14.7	19.8
6 20	15 5.28	−18 14.1	1.085	1.975	19.3	20.0
273686 2007 ES_{25}			5 15.8 233°.67		0°.1/15.8 18	
4 11	15 57.64	−19 54.5	1.919	2.762	13.5	20.8
4 21	15 52.35	−19 50.1	1.833	2.755	10.2	20.6
5 1	15 44.79	−19 39.1	1.771	2.749	6.4	20.3
5 11	15 35.70	−19 22.6	1.735	2.742	2.1	20.0
5 21	15 26.02	−19 2.4	1.727	2.735	2.3	20.0
5 31	15 16.84	−18 41.7	1.745	2.728	6.6	20.3
6 10	15 9.13	−18 24.2	1.790	2.720	10.6	20.5
6 20	15 3.56	−18 12.9	1.856	2.713	14.0	20.7
307104 2002 CH_{25}			5 15.8 181°.76		2°.4/14.5 16	
4 11	15 59.70	−14 30.2	1.793	2.642	14.1	21.9
4 21	15 53.84	−13 58.2	1.718	2.643	10.6	21.7
5 1	15 45.66	−13 22.6	1.665	2.644	6.6	21.4
5 11	15 35.97	−12 46.4	1.639	2.643	2.9	21.2
5 21	15 25.78	−12 13.4	1.640	2.643	3.9	21.2
5 31	15 16.21	−11 47.5	1.669	2.641	7.8	21.5
6 10	15 8.24	−11 31.9	1.722	2.639	11.7	21.7
6 20	15 2.53	−11 28.4	1.798	2.636	15.1	21.9
250288 2003 OG_{27}			5 15.8 273°.77		4°.7/18.0 17	
4 11	15 59.43	−30 43.2	1.554	2.382	16.9	20.7
4 21	15 54.61	−30 57.4	1.461	2.365	13.5	20.5
5 1	15 46.66	−30 54.6	1.388	2.348	9.7	20.2
5 11	15 36.43	−30 32.0	1.338	2.331	5.9	19.9
5 21	15 25.18	−29 49.6	1.313	2.314	5.0	19.8
5 31	15 14.48	−28 51.5	1.313	2.296	8.2	20.0
6 10	15 5.77	−27 45.6	1.338	2.279	12.5	20.2
6 20	15 0.00	−26 40.4	1.383	2.261	16.6	20.4
235311 2003 UY_{128}			5 15.8 110°.93		1°.3/16.5 17	
4 11	15 57.67	−23 0.0	2.062	2.895	13.1	21.1
4 21	15 52.14	−23 8.1	1.988	2.903	9.9	21.0
5 1	15 44.53	−23 8.3	1.938	2.911	6.3	20.7
5 11	15 35.58	−23 0.8	1.914	2.919	2.6	20.5
5 21	15 26.20	−22 46.9	1.918	2.926	2.2	20.5
5 31	15 17.40	−22 29.1	1.950	2.934	5.9	20.8
6 10	15 10.04	−22 11.2	2.008	2.941	9.5	21.0
6 20	15 4.73	−21 56.3	2.089	2.948	12.6	21.2
287852 2003 SD_{244}			5 15.8 255°.47		1°.8/14.6 17	
4 11	15 55.14	−16 9.2	2.133	2.980	12.2	21.1
4 21	15 50.25	−15 33.2	2.040	2.965	9.2	20.9
5 1	15 43.41	−14 52.1	1.971	2.950	5.7	20.7
5 11	15 35.23	−14 8.4	1.929	2.934	2.3	20.4
5 21	15 26.54	−13 25.5	1.915	2.918	3.1	20.5
5 31	15 18.23	−12 47.4	1.928	2.902	6.8	20.6
6 10	15 11.16	−12 17.7	1.968	2.886	10.4	20.8
6 20	15 5.94	−11 58.8	2.029	2.869	13.6	21.0
160240 2002 JO_{119}			5 15.8 323°.60		7°.0/13.3 18	
4 11	15 55.73	− 3 25.9	1.442	2.306	16.0	18.9
4 21	15 51.61	− 3 7.5	1.354	2.280	12.7	18.6
5 1	15 44.72	− 2 58.0	1.287	2.255	9.3	18.3
5 11	15 35.78	− 3 3.1	1.242	2.231	7.1	18.1
5 21	15 25.88	− 3 26.9	1.222	2.207	8.1	18.1
5 31	15 16.33	− 4 11.8	1.225	2.184	11.5	18.2
6 10	15 8.44	− 5 17.2	1.251	2.162	15.6	18.4
6 20	15 3.11	− 6 40.3	1.295	2.142	19.4	18.6
470274 2007 CL_{38}			5 15.8 93°.79		1°.6/16.9 16	
4 11	15 54.19	−25 28.1	2.430	3.256	11.6	21.9
4 21	15 49.30	−25 22.2	2.352	3.261	8.9	21.7
5 1	15 42.67	−25 7.2	2.297	3.266	5.8	21.5
5 11	15 34.95	−24 43.8	2.269	3.271	2.7	21.3
5 21	15 26.89	−24 13.5	2.269	3.276	2.2	21.3
5 31	15 19.31	−23 39.2	2.298	3.281	5.2	21.5
6 10	15 12.93	−23 4.5	2.353	3.286	8.3	21.7
6 20	15 8.25	−22 32.9	2.432	3.291	11.0	21.9
293050 2006 WJ_{108}			5 15.8 0°.57		1°.7/14.9 17	
4 11	15 55.36	−13 50.3	2.177	3.024	12.0	20.4
4 21	15 50.28	−13 48.9	2.099	3.024	9.0	20.2
5 1	15 43.35	−13 46.5	2.045	3.024	5.6	20.0
5 11	15 35.20	−13 44.8	2.018	3.024	2.3	19.8
5 21	15 26.63	−13 45.4	2.019	3.024	2.9	19.8
5 31	15 18.51	−13 50.2	2.048	3.024	6.4	20.0
6 10	15 11.62	−14 0.9	2.103	3.024	9.7	20.3
6 20	15 6.52	−14 18.5	2.181	3.025	12.7	20.4

219803 2002 AX_{151} 5 15.8 206°.78 1°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 58.46	−25 9.4	2.473	3.290	11.7	21.1
4 21	15 52.54	−25 2.4	2.378	3.284	9.0	20.9
5 1	15 44.73	−24 46.3	2.308	3.276	5.8	20.7
5 11	15 35.66	−24 21.2	2.266	3.268	2.6	20.4
5 21	15 26.12	−23 48.5	2.252	3.259	2.2	20.4
5 31	15 17.00	−23 11.1	2.268	3.249	5.4	20.6
6 10	15 9.10	−22 32.9	2.311	3.239	8.6	20.8
6 20	15 2.99	−21 57.7	2.379	3.228	11.6	20.9

17735 1998 BG_{7} 5 15.8 238°.87 2°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.05	−25 53.3	1.794	2.625	14.8	19.2
4 21	15 54.50	−25 44.9	1.700	2.612	11.5	18.9
5 1	15 46.31	−25 23.5	1.627	2.598	7.6	18.7
5 11	15 36.26	−24 48.9	1.580	2.583	3.5	18.4
5 21	15 25.45	−24 2.9	1.560	2.567	2.8	18.3
5 31	15 15.14	−23 9.9	1.567	2.551	7.0	18.5
6 10	15 6.51	−22 16.1	1.600	2.535	11.3	18.7
6 20	15 0.36	−21 27.5	1.655	2.518	15.1	18.9

473251 2015 MD_{2} 5 15.8 306°.05 4°.8/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.38	− 6 14.6	2.066	2.916	12.4	20.8
4 21	15 49.58	− 5 41.4	1.992	2.913	9.6	20.6
5 1	15 42.92	− 5 11.8	1.942	2.911	6.7	20.5
5 11	15 35.06	− 4 49.5	1.918	2.908	4.9	20.3
5 21	15 26.80	− 4 37.8	1.921	2.905	5.7	20.4
5 31	15 19.02	− 4 39.1	1.951	2.903	8.4	20.5
6 10	15 12.48	− 4 54.2	2.005	2.900	11.4	20.7
6 20	15 7.74	− 5 22.7	2.080	2.898	14.1	20.9

110527 2001 TE_{85} 5 15.8 240°.21 0°.5/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.73	−19 24.4	1.741	2.591	14.3	19.9
4 21	15 51.79	−19 4.1	1.662	2.588	10.8	19.6
5 1	15 44.49	−18 36.2	1.606	2.586	6.7	19.4
5 11	15 35.62	−18 2.7	1.576	2.583	2.2	19.1
5 21	15 26.20	−17 26.7	1.572	2.580	2.6	19.1
5 31	15 17.37	−16 52.4	1.595	2.577	7.1	19.4
6 10	15 10.15	−16 24.3	1.643	2.574	11.3	19.6
6 20	15 5.20	−16 5.6	1.712	2.571	14.9	19.8

361559 2007 RD_{10} 5 15.8 243°.34 4°.0/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.88	−12 28.6	1.752	2.605	14.1	21.2
4 21	15 52.67	−11 21.0	1.663	2.590	10.7	20.9
5 1	15 45.08	−10 8.1	1.597	2.574	7.0	20.7
5 11	15 35.83	− 8 55.3	1.557	2.556	4.2	20.5
5 21	15 25.93	− 7 48.4	1.544	2.539	5.5	20.5
5 31	15 16.51	− 6 53.6	1.559	2.520	9.3	20.7
6 10	15 8.60	− 6 15.3	1.597	2.501	13.3	20.9
6 20	15 2.93	− 5 55.7	1.656	2.482	16.8	21.1

248353 2005 QJ_{132} 5 15.8 253°.72 2°.9/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.48	−11 23.7	2.430	3.277	10.9	21.2
4 21	15 48.74	−10 52.0	2.342	3.266	8.2	21.0
5 1	15 42.36	−10 19.5	2.279	3.255	5.3	20.8
5 11	15 34.89	− 9 49.0	2.243	3.243	3.0	20.6
5 21	15 27.01	− 9 23.2	2.235	3.231	3.8	20.7
5 31	15 19.48	− 9 5.0	2.256	3.219	6.7	20.8
6 10	15 13.00	− 8 56.3	2.302	3.207	9.7	21.0
6 20	15 8.08	− 8 58.3	2.371	3.195	12.4	21.1

423967 2006 UE_{224} 5 15.8 225°.44 0°.1/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.20	−19 49.8	2.008	2.844	13.3	22.4
4 21	15 54.26	−19 49.8	1.915	2.833	10.1	22.1
5 1	15 46.01	−19 43.6	1.846	2.822	6.3	21.9
5 11	15 36.14	−19 31.9	1.803	2.810	2.1	21.6
5 21	15 25.62	−19 16.1	1.789	2.797	2.3	21.6
5 31	15 15.51	−18 59.1	1.803	2.784	6.5	21.8
6 10	15 6.84	−18 44.3	1.843	2.770	10.5	22.0
6 20	15 0.31	−18 35.0	1.906	2.755	14.0	22.2

265017 2003 GC_{34} 5 15.8 313°.49 6°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.82	− 6 23.8	1.642	2.506	14.4	20.0
4 21	15 49.57	− 5 2.9	1.574	2.501	11.2	19.8
5 1	15 43.08	− 3 43.7	1.528	2.497	8.1	19.6
5 11	15 35.15	− 2 33.2	1.507	2.492	6.5	19.5
5 21	15 26.74	− 1 37.8	1.511	2.488	7.8	19.5
5 31	15 18.93	− 1 2.7	1.540	2.484	10.8	19.7
6 10	15 12.66	− 0 49.9	1.592	2.481	14.2	19.9
6 20	15 8.53	− 0 58.9	1.662	2.477	17.2	20.1

390166 2012 VJ_{102} 5 15.8 240°.73 0°.2/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.43	−22 14.4	2.138	2.977	12.5	21.4
4 21	15 49.69	−21 37.9	2.053	2.973	9.4	21.2
5 1	15 43.02	−20 51.8	1.992	2.968	5.9	20.9
5 11	15 35.11	−19 58.1	1.957	2.964	2.0	20.7
5 21	15 26.79	−19 0.1	1.950	2.959	2.1	20.6
5 31	15 18.97	−18 2.3	1.972	2.954	6.0	20.9
6 10	15 12.47	−17 9.4	2.019	2.949	9.6	21.1
6 20	15 7.83	−16 25.1	2.090	2.944	12.8	21.3

73211 2002 JK_{21} 5 15.8 317°.96 1°.5/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 55.07	−23 1.7	1.608	2.460	15.3	19.3
4 21	15 51.01	−23 8.5	1.518	2.443	11.7	19.1
5 1	15 44.28	−23 5.8	1.450	2.427	7.6	18.8
5 11	15 35.64	−22 53.4	1.406	2.411	3.1	18.5
5 21	15 26.16	−22 32.7	1.387	2.396	2.7	18.4
5 31	15 17.15	−22 7.3	1.394	2.381	7.3	18.6
6 10	15 9.82	−21 42.1	1.424	2.366	11.8	18.9
6 20	15 4.99	−21 21.7	1.476	2.353	15.8	19.1

141352 2002 AD_{27} 5 15.8 142°.26 6°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.62	+ 3 18.3	2.907	3.728	10.0	20.4
4 21	15 48.41	+ 4 3.3	2.850	3.739	8.2	20.3
5 1	15 41.93	+ 4 40.2	2.817	3.749	6.8	20.2
5 11	15 34.70	+ 5 5.6	2.812	3.759	6.2	20.2
5 21	15 27.28	+ 5 17.3	2.833	3.768	6.8	20.3
5 31	15 20.26	+ 5 13.9	2.882	3.777	8.3	20.4
6 10	15 14.18	+ 4 55.5	2.954	3.786	10.0	20.5
6 20	15 9.39	+ 4 23.5	3.049	3.794	11.7	20.6

174587 2003 QF_{42} 5 15.8 249°.03 0°.4/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.15	−19 55.1	1.832	2.675	14.1	20.9
4 21	15 53.72	−19 31.7	1.735	2.657	10.7	20.6
5 1	15 45.80	−18 59.7	1.660	2.638	6.7	20.3
5 11	15 36.11	−18 20.6	1.612	2.619	2.2	20.0
5 21	15 25.67	−17 37.3	1.590	2.598	2.6	20.0
5 31	15 15.64	−16 54.2	1.597	2.578	7.3	20.2
6 10	15 7.13	−16 16.6	1.628	2.556	11.6	20.4
6 20	15 0.92	−15 48.3	1.682	2.534	15.4	20.6

233727 2008 SG_{167} 5 15.8 241°.54 0°.2/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.16	−19 17.7	2.134	2.973	12.5	21.0
4 21	15 51.83	−19 10.0	2.041	2.961	9.4	20.7
5 1	15 44.43	−18 56.5	1.972	2.949	5.9	20.5
5 11	15 35.62	−18 38.2	1.930	2.937	1.9	20.2
5 21	15 26.23	−18 17.1	1.916	2.924	2.2	20.2
5 31	15 17.24	−17 56.1	1.930	2.911	6.2	20.4
6 10	15 9.54	−17 38.5	1.970	2.897	9.9	20.6
6 20	15 3.77	−17 27.0	2.033	2.883	13.2	20.8

208243 2000 TK_{45} 5 15.8 281°.67 3°.7/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.71	−11 29.6	1.450	2.313	16.0	20.1
4 21	15 53.86	−11 10.4	1.364	2.295	12.2	19.8
5 1	15 46.11	−10 50.9	1.299	2.278	7.9	19.5
5 11	15 36.27	−10 34.8	1.258	2.260	4.2	19.2
5 21	15 25.48	−10 26.0	1.242	2.243	5.2	19.3
5 31	15 15.16	−10 28.1	1.251	2.225	9.7	19.5
6 10	15 6.63	−10 43.7	1.283	2.207	14.4	19.7
6 20	15 0.79	−11 13.4	1.335	2.189	18.5	19.9

381580 2008 UU_{206} 5 15.8 246°.49 2°.4/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.42	−13 12.5	1.969	2.819	12.9	20.9
4 21	15 51.29	−12 57.2	1.889	2.815	9.7	20.7
5 1	15 44.08	−12 40.5	1.831	2.810	6.1	20.4
5 11	15 35.50	−12 24.8	1.801	2.804	2.8	20.2
5 21	15 26.40	−12 12.8	1.797	2.799	3.6	20.3
5 31	15 17.79	−12 7.2	1.821	2.794	7.2	20.5
6 10	15 10.53	−12 10.0	1.870	2.789	10.9	20.7
6 20	15 5.26	−12 22.5	1.941	2.783	14.1	20.9

227476 2005 WA_{177} 5 15.8 316°.41 0°.9/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.84	−21 53.7	1.714	2.561	14.7	20.5
4 21	15 52.00	−21 52.9	1.635	2.558	11.2	20.3
5 1	15 44.70	−21 43.4	1.578	2.555	7.0	20.0
5 11	15 35.74	−21 26.0	1.546	2.552	2.6	19.8
5 21	15 26.17	−21 2.4	1.541	2.549	2.4	19.7
5 31	15 17.18	−20 36.5	1.561	2.547	6.9	20.0
6 10	15 9.85	−20 12.5	1.607	2.544	11.1	20.2
6 20	15 4.87	−19 54.5	1.674	2.542	14.7	20.5

276906 2004 SD_{36} 5 15.8 328°.32 6°.8/20.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.52	−39 51.7	2.300	3.068	13.9	20.8
4 21	15 52.38	−40 28.6	2.213	3.064	11.8	20.7
5 1	15 44.90	−40 48.7	2.147	3.061	9.5	20.5
5 11	15 35.81	−40 49.0	2.105	3.058	7.6	20.4
5 21	15 26.10	−40 28.7	2.088	3.055	6.8	20.3
5 31	15 16.92	−39 49.8	2.098	3.052	7.8	20.4
6 10	15 9.28	−38 57.1	2.132	3.049	9.8	20.5
6 20	15 3.88	−37 57.0	2.190	3.046	12.2	20.7

313144 2001 DZ_{7} 5 15.8 63°.47 5°.0/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.88	−31 1.5	1.484	2.313	17.5	20.6
4 21	15 54.78	−31 23.3	1.414	2.319	13.9	20.4
5 1	15 46.62	−31 27.5	1.364	2.324	9.9	20.1
5 11	15 36.40	−31 11.7	1.338	2.329	6.2	19.9
5 21	15 25.51	−30 36.8	1.335	2.335	5.2	19.9
5 31	15 15.49	−29 47.3	1.358	2.341	8.1	20.1
6 10	15 7.65	−28 50.9	1.405	2.346	12.0	20.3
6 20	15 2.76	−27 55.6	1.473	2.352	15.7	20.6

68024 2000 YY_{19} 5 15.8 199°.43 3°.0/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 1.37	−28 23.4	2.009	2.824	14.1	19.9
4 21	15 55.20	−28 25.5	1.920	2.820	11.0	19.7
5 1	15 46.60	−28 14.6	1.854	2.816	7.5	19.4
5 11	15 36.37	−27 49.7	1.814	2.811	4.1	19.2
5 21	15 25.53	−27 12.1	1.801	2.805	3.3	19.1
5 31	15 15.25	−26 25.4	1.817	2.798	6.5	19.3
6 10	15 6.59	−25 35.0	1.859	2.791	10.1	19.5
6 20	15 0.24	−24 46.7	1.924	2.783	13.5	19.7

56623 2000 JC_{76} 5 15.8 1°.12 2°.5/14.9 17

4 11	15 55.60	−15 37.6	1.118	1.999	18.4	19.2
4 21	15 51.92	−15 14.1	1.055	1.997	13.9	18.9
5 1	15 45.01	−14 45.3	1.012	1.997	8.6	18.6
5 11	15 35.91	−14 15.1	0.990	1.997	3.4	18.3
5 21	15 26.04	−13 48.3	0.991	1.997	4.5	18.4
5 31	15 17.06	−13 30.5	1.015	1.999	9.9	18.7
6 10	15 10.36	−13 25.7	1.060	2.001	15.0	19.0
6 20	15 6.73	−13 35.9	1.122	2.004	19.4	19.2

290026 2005 QE_{24} 5 15.8 302°.58 3°.6/17.8 18

4 11	15 56.77	−29 5.4	2.178	2.995	13.1	20.2
4 21	15 51.69	−29 34.5	2.089	2.987	10.3	20.0
5 1	15 44.43	−29 52.9	2.022	2.980	7.3	19.8
5 11	15 35.66	−29 59.1	1.981	2.974	4.5	19.6
5 21	15 26.27	−29 53.1	1.968	2.967	3.8	19.6
5 31	15 17.30	−29 36.7	1.981	2.960	6.3	19.7
6 10	15 9.69	−29 13.8	2.021	2.953	9.4	19.9
6 20	15 4.14	−28 48.7	2.083	2.947	12.4	20.1

170840 2004 FM_{38} 5 15.8 78°.78 3°.6/18.1 18

4 11	15 56.82	−30 27.8	2.121	2.935	13.5	19.8
4 21	15 51.59	−30 37.6	2.047	2.944	10.6	19.6
5 1	15 44.25	−30 34.3	1.996	2.953	7.5	19.4
5 11	15 35.55	−30 17.1	1.970	2.961	4.6	19.2
5 21	15 26.45	−29 47.1	1.971	2.970	3.8	19.2
5 31	15 17.95	−29 7.5	1.999	2.979	6.1	19.4
6 10	15 10.95	−28 23.2	2.054	2.988	9.2	19.6
6 20	15 6.04	−27 39.2	2.131	2.997	12.1	19.8

375938 2009 WT_{87} 5 15.8 157°.66 1°.4/16.6 17

4 11	15 58.21	−23 53.2	1.986	2.819	13.5	21.9
4 21	15 52.69	−23 52.9	1.908	2.822	10.3	21.7
5 1	15 44.97	−23 43.3	1.853	2.825	6.6	21.5
5 11	15 35.81	−23 24.6	1.824	2.828	2.8	21.3
5 21	15 26.17	−22 58.6	1.823	2.831	2.4	21.2
5 31	15 17.12	−22 28.4	1.850	2.834	6.1	21.5
6 10	15 9.57	−21 58.5	1.902	2.836	9.9	21.7
6 20	15 4.17	−21 32.7	1.978	2.838	13.1	21.9

296482 2009 HX_{102} 5 15.8 328°.98 0°.3/15.7 17

4 11	15 54.23	−18 35.0	1.188	2.065	17.8	20.3
4 21	15 51.09	−18 39.3	1.108	2.047	13.6	20.0
5 1	15 44.70	−18 36.9	1.046	2.030	8.5	19.6
5 11	15 35.89	−18 29.0	1.007	2.014	2.8	19.2
5 21	15 25.98	−18 18.0	0.990	2.000	3.2	19.2
5 31	15 16.62	−18 8.0	0.997	1.986	9.2	19.5
6 10	15 9.37	−18 4.0	1.025	1.973	14.6	19.7
6 20	15 5.24	−18 9.5	1.070	1.961	19.4	20.0

219617 2001 TP_{119} 5 15.8 208°.74 2°.5/17.6 17

4 11	15 58.13	−29 15.8	2.001	2.819	14.0	20.3
4 21	15 52.69	−28 44.3	1.912	2.815	10.9	20.0
5 1	15 44.99	−27 56.9	1.847	2.811	7.4	19.8
5 11	15 35.81	−26 54.1	1.807	2.806	3.8	19.6
5 21	15 26.17	−25 39.0	1.795	2.801	2.9	19.5
5 31	15 17.16	−24 17.0	1.811	2.795	6.2	19.7
6 10	15 9.73	−22 54.9	1.854	2.789	10.0	19.9
6 20	15 4.51	−21 39.1	1.921	2.783	13.4	20.1

43913 1995 YT 5 15.8 246°.18 1°.1/15.2 18

4 11	15 58.69	−17 49.1	1.983	2.825	13.2	20.0
4 21	15 53.18	−17 22.5	1.884	2.806	10.0	19.8
5 1	15 45.39	−16 49.3	1.809	2.787	6.2	19.5
5 11	15 36.00	−16 11.6	1.761	2.767	2.2	19.2
5 21	15 25.92	−15 32.3	1.740	2.747	2.8	19.2
5 31	15 16.22	−14 55.4	1.748	2.725	7.1	19.4
6 10	15 7.89	−14 25.3	1.781	2.703	11.1	19.6
6 20	15 1.67	−14 5.0	1.837	2.681	14.7	19.8

237020 2008 SK_{26} 5 15.8 188°.01 3°.4/13.3 18

4 11	15 55.32	− 9 55.7	2.548	3.389	10.6	21.7
4 21	15 49.95	− 9 9.4	2.469	3.388	8.1	21.5
5 1	15 43.03	− 8 22.7	2.415	3.387	5.3	21.3
5 11	15 35.13	− 7 39.0	2.389	3.385	3.5	21.2
5 21	15 26.91	− 7 1.5	2.393	3.382	4.3	21.2
5 31	15 19.10	− 6 33.2	2.424	3.379	6.8	21.4
6 10	15 12.35	− 6 15.9	2.482	3.375	9.6	21.5
6 20	15 7.12	− 6 10.5	2.563	3.370	12.1	21.7

215873 2005 EO_{183} 5 15.8 69°.84 0°.5/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 58.48	−19 37.3	1.418	2.277	16.5	21.0
4 21	15 53.36	−19 15.8	1.359	2.289	12.4	20.8
5 1	15 45.53	−18 45.8	1.321	2.302	7.6	20.6
5 11	15 36.00	−18 9.6	1.307	2.315	2.5	20.3
5 21	15 26.02	−17 31.3	1.319	2.327	2.9	20.3
5 31	15 16.97	−16 55.8	1.356	2.340	7.9	20.7
6 10	15 9.93	−16 28.3	1.417	2.353	12.4	21.0
6 20	15 5.55	−16 11.7	1.498	2.366	16.2	21.2

138805 2000 TE_{39} 5 15.8 99°.10 8°.3/21.4 18

4 11	16 7.00	−45 47.8	2.613	3.325	13.7	19.7
4 21	15 59.46	−47 3.5	2.546	3.345	12.0	19.6
5 1	15 49.28	−48 1.3	2.500	3.364	10.3	19.5
5 11	15 37.27	−48 36.8	2.479	3.383	8.9	19.4
5 21	15 24.58	−48 47.8	2.482	3.402	8.3	19.4
5 31	15 12.48	−48 35.5	2.512	3.421	8.8	19.5
6 10	15 2.14	−48 4.3	2.566	3.439	10.0	19.6
6 20	14 54.33	−47 20.5	2.644	3.457	11.6	19.7

367089 2006 QZ_{79} 5 15.8 258°.89 2°.6/13.2 18

4 11	15 49.47	− 9 51.1	3.411	4.252	8.2	21.3
4 21	15 45.35	− 9 15.1	3.319	4.238	6.2	21.1
5 1	15 40.12	− 8 39.0	3.252	4.224	4.1	21.0
5 11	15 34.16	− 8 5.1	3.215	4.210	2.7	20.8
5 21	15 27.94	− 7 35.5	3.206	4.196	3.3	20.9
5 31	15 21.96	− 7 12.3	3.226	4.181	5.3	21.0
6 10	15 16.67	− 6 57.1	3.273	4.167	7.5	21.1
6 20	15 12.44	− 6 50.6	3.345	4.152	9.5	21.2

232262 2002 PD_{163} 5 15.8 12°.60 3°.1/14.1 18

4 11	15 54.37	−12 46.0	1.819	2.677	13.5	20.4
4 21	15 49.82	−12 9.4	1.748	2.678	10.1	20.2
5 1	15 43.19	−11 30.8	1.700	2.679	6.4	20.0
5 11	15 35.22	−10 53.9	1.678	2.680	3.4	19.8
5 21	15 26.82	−10 22.7	1.682	2.681	4.3	19.9
5 31	15 19.00	−10 0.7	1.712	2.683	7.9	20.1
6 10	15 12.61	− 9 50.5	1.767	2.684	11.5	20.3
6 20	15 8.26	− 9 53.3	1.843	2.686	14.7	20.5

423928 2006 SB_{413} 5 15.8 224°.82 2°.1/14.9 17

4 11	16 0.03	−13 50.8	1.880	2.726	13.6	21.4
4 21	15 54.18	−13 42.9	1.794	2.717	10.3	21.2
5 1	15 45.99	−13 33.4	1.731	2.708	6.5	20.9
5 11	15 36.19	−13 24.2	1.694	2.699	2.7	20.7
5 21	15 25.75	−13 17.6	1.685	2.689	3.5	20.7
5 31	15 15.76	−13 16.2	1.703	2.678	7.5	20.9
6 10	15 7.26	−13 22.3	1.747	2.667	11.4	21.1
6 20	15 0.94	−13 37.4	1.813	2.655	14.9	21.3

52081 2002 RM_{71} 5 15.8 354°.98 1°.4/16.5 18

4 11	15 55.01	−24 41.4	1.331	2.190	17.4	19.1
4 21	15 51.20	−24 15.9	1.259	2.188	13.3	18.9
5 1	15 44.44	−23 34.5	1.207	2.186	8.5	18.6
5 11	15 35.71	−22 39.0	1.179	2.184	3.4	18.3
5 21	15 26.31	−21 33.8	1.174	2.184	2.8	18.2
5 31	15 17.73	−20 25.9	1.195	2.183	8.0	18.5
6 10	15 11.22	−19 23.5	1.238	2.184	12.9	18.8
6 20	15 7.54	−18 32.7	1.301	2.185	17.1	19.1

71307 2000 AO_{70} 5 15.8 210°.12 2°.7/14.1 18

4 11	15 55.66	−12 26.4	2.227	3.073	11.8	20.4
4 21	15 50.48	−11 55.3	2.145	3.068	8.9	20.2
5 1	15 43.49	−11 22.6	2.087	3.063	5.6	20.0
5 11	15 35.31	−10 51.2	2.057	3.058	3.0	19.8
5 21	15 26.72	−10 24.2	2.054	3.053	3.8	19.8
5 31	15 18.57	−10 4.5	2.080	3.047	6.9	20.0
6 10	15 11.61	− 9 54.4	2.131	3.041	10.2	20.2
6 20	15 6.41	− 9 55.2	2.205	3.034	13.0	20.4

184167 2004 LS_{16} 5 15.8 295°.26 1°.9/17.1 18

4 11	15 53.90	−26 23.4	2.258	3.086	12.3	19.7
4 21	15 49.46	−26 9.0	2.153	3.063	9.5	19.4
5 1	15 43.03	−25 43.4	2.071	3.040	6.3	19.2
5 11	15 35.21	−25 6.8	2.015	3.017	3.0	18.9
5 21	15 26.80	−24 20.9	1.987	2.994	2.4	18.8
5 31	15 18.74	−23 29.3	1.986	2.971	5.7	19.0
6 10	15 11.89	−22 36.7	2.012	2.948	9.3	19.2
6 20	15 6.89	−21 47.6	2.062	2.925	12.5	19.3

149796 2005 HH_{7} 5 15.8 334°.26 1°.4/15.2 17

4 11	15 54.12	−18 2.1	1.257	2.131	17.2	20.4
4 21	15 50.68	−17 38.3	1.182	2.121	13.0	20.2
5 1	15 44.24	−17 6.0	1.127	2.111	8.1	19.8
5 11	15 35.68	−16 28.4	1.095	2.102	2.8	19.5
5 21	15 26.30	−15 50.0	1.086	2.094	3.6	19.5
5 31	15 17.60	−15 16.5	1.101	2.087	9.0	19.8
6 10	15 10.92	−14 53.5	1.138	2.080	14.1	20.1
6 20	15 7.12	−14 44.4	1.194	2.074	18.5	20.3

187610 2006 YK_{37} 5 15.8 257°.61 1°.3/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 58.92	−23 4.5	1.872	2.708	14.1	20.8
4 21	15 53.59	−23 5.1	1.775	2.691	10.8	20.6
5 1	15 45.77	−22 56.5	1.700	2.674	7.0	20.3
5 11	15 36.16	−22 38.7	1.651	2.656	2.8	20.0
5 21	15 25.76	−22 13.0	1.629	2.637	2.5	19.9
5 31	15 15.76	−21 42.7	1.634	2.618	6.8	20.2
6 10	15 7.28	−21 12.5	1.665	2.599	11.0	20.4
6 20	15 1.09	−20 46.8	1.718	2.579	14.7	20.6

219732 2001 XN_{152} 5 15.8 133°.85 1°.6/16.9 18 R

4 11	15 57.90	−26 11.6	2.003	2.830	13.6	20.1
4 21	15 52.34	−25 42.2	1.929	2.840	10.4	19.9
5 1	15 44.67	−25 0.1	1.879	2.849	6.7	19.6
5 11	15 35.70	−24 6.6	1.854	2.857	2.9	19.4
5 21	15 26.38	−23 5.0	1.858	2.865	2.3	19.4
5 31	15 17.76	−22 0.3	1.889	2.873	6.0	19.6
6 10	15 10.69	−20 57.9	1.947	2.881	9.7	19.9
6 20	15 5.73	−20 2.9	2.029	2.888	12.9	20.1

43632 2002 CQ_{244} 5 15.8 341°.69 4°.1/17.4 18

4 11	15 56.00	−27 12.7	1.202	2.061	18.9	18.6
4 21	15 52.51	−27 40.1	1.129	2.053	14.8	18.4
5 1	15 45.59	−27 52.0	1.073	2.046	10.2	18.1
5 11	15 36.19	−27 46.2	1.040	2.040	5.6	17.8
5 21	15 25.76	−27 23.1	1.029	2.034	4.6	17.7
5 31	15 16.11	−26 47.0	1.041	2.029	8.9	17.9
6 10	15 8.79	−26 5.6	1.074	2.026	13.8	18.2
6 20	15 4.77	−25 26.9	1.127	2.023	18.3	18.4

379412 2010 AO_{59} 5 15.8 107°.45 4°.5/13.4 15

4 11	15 58.05	− 6 12.8	2.139	2.981	12.4	21.0
4 21	15 52.07	− 5 45.6	2.083	3.000	9.5	20.8
5 1	15 44.34	− 5 22.6	2.052	3.019	6.5	20.7
5 11	15 35.56	− 5 6.9	2.047	3.037	4.6	20.6
5 21	15 26.55	− 5 1.1	2.070	3.055	5.4	20.6
5 31	15 18.17	− 5 6.8	2.121	3.072	7.9	20.8
6 10	15 11.14	− 5 24.6	2.197	3.089	10.7	21.0
6 20	15 5.92	− 5 53.8	2.295	3.105	13.2	21.2

64180 2001 TR_{64} 5 15.8 81°.61 1°.1/16.2 18

4 11	16 1.34	−21 14.9	1.355	2.209	17.4	18.8
4 21	15 55.84	−21 30.2	1.291	2.217	13.2	18.6
5 1	15 47.26	−21 36.8	1.247	2.225	8.3	18.3
5 11	15 36.64	−21 34.7	1.227	2.233	3.1	18.0
5 21	15 25.36	−21 25.1	1.233	2.241	2.8	18.0
5 31	15 14.98	−21 11.9	1.263	2.249	8.0	18.3
6 10	15 6.80	−20 59.9	1.317	2.257	12.7	18.6
6 20	15 1.59	−20 53.3	1.391	2.265	16.8	18.9

292786 2006 UE_{222} 5 15.8 323°.64 0°.6/15.5 17

4 11	15 50.96	−21 19.0	1.164	2.043	17.9	20.1
4 21	15 48.73	−20 37.3	1.076	2.017	13.7	19.8
5 1	15 43.29	−19 38.7	1.007	1.992	8.6	19.4
5 11	15 35.46	−18 26.4	0.960	1.968	2.8	19.0
5 21	15 26.51	−17 6.2	0.936	1.944	3.5	18.9
5 31	15 18.09	−15 47.4	0.934	1.922	9.7	19.2
6 10	15 11.74	−14 39.7	0.953	1.901	15.4	19.4
6 20	15 8.47	−13 50.2	0.989	1.882	20.5	19.7

133290 2003 SA_{28} 5 15.8 71°.30 1°.4/16.6 17

4 11	15 58.42	−24 42.6	1.425	2.275	16.9	19.6
4 21	15 53.43	−24 20.6	1.363	2.286	12.9	19.3
5 1	15 45.63	−23 44.2	1.321	2.297	8.2	19.1
5 11	15 36.06	−22 55.2	1.303	2.308	3.3	18.8
5 21	15 26.04	−21 57.4	1.310	2.319	2.7	18.8
5 31	15 16.95	−20 57.3	1.344	2.330	7.5	19.1
6 10	15 9.94	−20 2.1	1.400	2.342	12.1	19.4
6 20	15 5.67	−19 17.0	1.478	2.353	16.0	19.7

420744 2012 TA_{289} 5 15.8 291°.03 0°.8/14.7 15

4 11	15 47.06	−17 25.2	4.294	5.128	6.8	21.4
4 21	15 43.36	−16 39.3	4.202	5.121	5.0	21.3
5 1	15 38.80	−15 50.1	4.138	5.115	3.1	21.1
5 11	15 33.73	−14 59.2	4.103	5.109	1.2	21.0
5 21	15 28.50	−14 8.7	4.099	5.103	1.6	21.0
5 31	15 23.49	−13 20.5	4.125	5.097	3.6	21.2
6 10	15 19.04	−12 36.6	4.179	5.091	5.6	21.3
6 20	15 15.45	−11 58.6	4.259	5.084	7.3	21.4

352100 2006 YM_{53} 5 15.8 11°.15 4°.0/18.6 16

4 11	15 55.12	−32 17.4	2.281	3.086	12.9	20.9
4 21	15 50.30	−32 24.0	2.198	3.087	10.3	20.7
5 1	15 43.48	−32 16.8	2.137	3.088	7.5	20.5
5 11	15 35.34	−31 55.2	2.102	3.088	4.9	20.4
5 21	15 26.77	−31 20.1	2.093	3.089	4.1	20.3
5 31	15 18.72	−30 34.4	2.112	3.090	6.0	20.4
6 10	15 12.04	−29 43.1	2.158	3.091	8.8	20.6
6 20	15 7.31	−28 51.1	2.226	3.093	11.6	20.8

192123 2006 DJ_{59} 5 15.8 152°.49 1°.0/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.04	−23 7.0	2.015	2.851	13.3	20.5
4 21	15 51.77	−22 58.6	1.938	2.854	10.1	20.3
5 1	15 44.39	−22 41.2	1.883	2.857	6.4	20.0
5 11	15 35.65	−22 15.6	1.854	2.860	2.5	19.8
5 21	15 26.46	−21 43.9	1.854	2.862	2.2	19.8
5 31	15 17.83	−21 9.5	1.881	2.864	6.1	20.0
6 10	15 10.67	−20 36.8	1.933	2.866	9.7	20.3
6 20	15 5.56	−20 9.3	2.009	2.868	13.0	20.5

431363 2007 DU_{85} 5 15.8 60°.66 3°.9/17.8 15

4 11	15 59.43	−28 57.8	1.562	2.395	16.6	21.5
4 21	15 54.10	−29 14.3	1.502	2.410	13.0	21.3
5 1	15 46.02	−29 15.4	1.462	2.426	8.9	21.1
5 11	15 36.20	−29 0.1	1.447	2.443	5.1	20.9
5 21	15 25.92	−28 29.8	1.456	2.459	4.2	20.8
5 31	15 16.55	−27 49.1	1.492	2.476	7.3	21.1
6 10	15 9.22	−27 4.3	1.552	2.492	11.2	21.3
6 20	15 4.59	−26 21.8	1.633	2.509	14.6	21.6

491320 2011 WL_{79} 5 15.8 17°.65 0°.3/16.1 17

4 11	15 53.06	−21 54.0	2.113	2.956	12.5	21.0
4 21	15 48.69	−21 31.9	2.037	2.958	9.4	20.8
5 1	15 42.44	−21 1.6	1.984	2.961	5.8	20.6
5 11	15 34.99	−20 24.8	1.957	2.963	2.0	20.4
5 21	15 27.18	−19 44.1	1.958	2.966	2.0	20.4
5 31	15 19.88	−19 3.2	1.986	2.970	5.8	20.6
6 10	15 13.89	−18 26.2	2.040	2.973	9.3	20.8
6 20	15 9.72	−17 56.2	2.117	2.977	12.4	21.0

263193 2007 YE_{46} 5 15.8 16°.31 7°.5/11.3 18

4 11	15 53.33	+ 1 1.3	2.007	2.852	13.0	20.1
4 21	15 48.79	+ 1 52.8	1.946	2.854	10.5	20.0
5 1	15 42.46	+ 2 35.2	1.908	2.856	8.4	19.9
5 11	15 34.99	+ 3 3.3	1.895	2.858	7.5	19.8
5 21	15 27.19	+ 3 13.5	1.907	2.861	8.3	19.9
5 31	15 19.92	+ 3 3.9	1.945	2.864	10.4	20.0
6 10	15 13.92	+ 2 34.8	2.005	2.867	12.8	20.2
6 20	15 9.69	+ 1 48.5	2.085	2.871	15.1	20.3

115263 2003 SN_{172} 5 15.8 180°.27 2°.3/14.5 17

4 11	15 58.50	−15 31.3	1.778	2.628	14.1	20.6
4 21	15 52.99	−14 50.2	1.703	2.629	10.6	20.4
5 1	15 45.20	−14 4.1	1.651	2.630	6.6	20.2
5 11	15 35.93	−13 16.3	1.625	2.630	2.8	19.9
5 21	15 26.18	−12 31.1	1.627	2.630	3.8	20.0
5 31	15 17.06	−11 53.1	1.656	2.629	7.8	20.2
6 10	15 9.54	−11 26.1	1.709	2.628	11.7	20.5
6 20	15 4.24	−11 12.3	1.784	2.626	15.1	20.7

276989 2004 XB_{27} 5 15.8 177°.99 2°.5/14.5 18

4 11	15 57.43	−12 17.8	2.138	2.983	12.3	20.6
4 21	15 51.86	−12 4.4	2.061	2.984	9.2	20.4
5 1	15 44.37	−11 50.5	2.008	2.985	5.8	20.2
5 11	15 35.64	−11 38.4	1.982	2.985	2.8	20.0
5 21	15 26.49	−11 30.3	1.984	2.985	3.6	20.0
5 31	15 17.82	−11 28.6	2.015	2.985	6.9	20.2
6 10	15 10.45	−11 34.8	2.071	2.984	10.2	20.4
6 20	15 4.92	−11 50.0	2.150	2.984	13.2	20.6

198361 2004 VF_{13} 5 15.8 253°.50 2°.6/14.4 18

4 11	15 56.49	−12 56.7	1.998	2.847	12.8	20.2
4 21	15 51.40	−12 32.8	1.910	2.835	9.7	20.0
5 1	15 44.23	−12 7.0	1.846	2.823	6.1	19.8
5 11	15 35.64	−11 42.2	1.808	2.811	3.0	19.5
5 21	15 26.48	−11 21.4	1.797	2.798	3.9	19.6
5 31	15 17.74	−11 7.6	1.814	2.785	7.4	19.8
6 10	15 10.31	−11 3.5	1.856	2.772	11.1	19.9
6 20	15 4.84	−11 10.4	1.920	2.759	14.3	20.1

35864 1999 JG_{68} 5 15.8 269°.54 3°.2/14.0 18

4 11	15 56.75	−12 0.7	1.928	2.779	13.1	19.0
4 21	15 51.76	−11 27.7	1.832	2.758	10.0	18.8
5 1	15 44.56	−10 52.7	1.759	2.736	6.5	18.5
5 11	15 35.78	−10 19.0	1.713	2.714	3.5	18.3
5 21	15 26.32	− 9 50.4	1.693	2.691	4.5	18.3
5 31	15 17.20	− 9 30.6	1.701	2.669	8.1	18.5
6 10	15 9.40	− 9 22.5	1.733	2.646	11.9	18.6
6 20	15 3.64	− 9 27.6	1.787	2.622	15.4	18.8

512505 2016 RJ_{13} 5 15.8 134°.41 5°.8/20.3 18

4 11	15 58.26	−38 54.9	2.479	3.246	13.1	21.5
4 21	15 52.63	−39 12.9	2.397	3.251	10.9	21.3
5 1	15 44.90	−39 14.4	2.338	3.257	8.6	21.2
5 11	15 35.83	−38 57.7	2.303	3.263	6.6	21.1
5 21	15 26.34	−38 22.9	2.294	3.268	5.8	21.0
5 31	15 17.44	−37 32.7	2.313	3.273	6.8	21.1
6 10	15 10.00	−36 32.1	2.358	3.278	8.9	21.2
6 20	15 4.61	−35 26.8	2.427	3.282	11.2	21.4

496312 2013 GH_{102} 5 15.8 16°.16 4°.8/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 58.56	−27 36.6	1.136	1.994	19.8	20.9
4 21	15 54.51	−28 19.4	1.073	1.997	15.6	20.6
5 1	15 46.84	−28 46.5	1.029	2.000	10.8	20.3
5 11	15 36.62	−28 54.6	1.006	2.004	6.2	20.1
5 21	15 25.49	−28 43.5	1.005	2.009	5.2	20.1
5 31	15 15.34	−28 17.1	1.028	2.015	9.2	20.3
6 10	15 7.77	−27 43.4	1.071	2.021	14.0	20.6
6 20	15 3.69	−27 10.4	1.134	2.029	18.3	20.9

157892 1999 RG_{248} 5 15.8 354°.27 3°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.95	−11 18.2	1.620	2.483	14.6	19.7
4 21	15 50.53	−10 41.3	1.549	2.481	11.0	19.5
5 1	15 43.78	−10 3.8	1.502	2.480	7.2	19.3
5 11	15 35.50	− 9 29.8	1.478	2.479	4.1	19.1
5 21	15 26.72	− 9 3.8	1.481	2.478	5.1	19.2
5 31	15 18.55	− 8 49.3	1.509	2.478	8.8	19.4
6 10	15 11.98	− 8 48.9	1.560	2.478	12.7	19.6
6 20	15 7.65	− 9 3.1	1.632	2.478	16.1	19.8

138719 2000 SB_{144} 5 15.8 137°.70 3°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.84	−11 54.0	2.325	3.174	11.2	19.9
4 21	15 48.27	−11 3.3	2.251	3.176	8.4	19.8
5 1	15 42.08	−10 11.0	2.203	3.179	5.4	19.6
5 11	15 34.88	− 9 20.7	2.182	3.181	3.2	19.4
5 21	15 27.39	− 8 36.0	2.189	3.183	4.1	19.5
5 31	15 20.35	− 8 0.3	2.223	3.185	6.9	19.7
6 10	15 14.44	− 7 36.1	2.284	3.187	9.8	19.9
6 20	15 10.11	− 7 24.4	2.366	3.189	12.5	20.0

264504 2001 QK_{135} 5 15.8 306°.22 18°.2/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 11.52	−48 40.0	1.182	1.946	24.7	19.8
4 21	16 6.87	−51 25.3	1.116	1.941	22.5	19.6
5 1	15 56.22	−53 44.8	1.064	1.935	20.4	19.4
5 11	15 40.25	−55 22.1	1.030	1.929	18.7	19.3
5 21	15 21.27	−56 4.1	1.013	1.924	18.2	19.2
5 31	15 3.02	−55 47.5	1.014	1.919	18.9	19.2
6 10	14 49.06	−54 42.6	1.032	1.914	20.6	19.3
6 20	14 41.32	−53 7.1	1.065	1.910	22.9	19.4

119576 2001 VF_{93} 5 15.8 288°.06 9°.4/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.34	+ 2 34.3	1.683	2.528	15.0	19.2
4 21	15 51.61	+ 3 37.4	1.604	2.509	12.5	19.0
5 1	15 44.52	+ 4 30.1	1.547	2.491	10.3	18.8
5 11	15 35.79	+ 5 5.2	1.513	2.472	9.4	18.7
5 21	15 26.38	+ 5 16.9	1.504	2.453	10.5	18.7
5 31	15 17.42	+ 5 1.9	1.518	2.434	13.0	18.8
6 10	15 9.95	+ 4 20.5	1.553	2.415	15.9	18.9
6 20	15 4.68	+ 3 15.9	1.607	2.397	18.8	19.1

295042 2008 EU_{98} 5 15.8 128°.88 3°.4/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.55	−11 32.8	1.674	2.529	14.6	21.0
4 21	15 53.10	−11 7.6	1.607	2.534	11.0	20.7
5 1	15 45.31	−10 42.2	1.562	2.539	7.0	20.5
5 11	15 36.00	−10 20.0	1.543	2.544	3.8	20.3
5 21	15 26.22	−10 4.5	1.550	2.549	4.7	20.4
5 31	15 17.12	− 9 58.8	1.583	2.553	8.4	20.6
6 10	15 9.68	−10 4.9	1.641	2.558	12.2	20.8
6 20	15 4.53	−10 23.1	1.720	2.562	15.6	21.1

378298 2007 ES_{178} 5 15.8 148°.65 6°.2/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.96	− 7 7.6	1.899	2.754	13.2	20.8
4 21	15 50.09	− 5 16.4	1.835	2.758	10.2	20.6
5 1	15 43.29	− 3 25.3	1.796	2.761	7.4	20.4
5 11	15 35.30	− 1 41.7	1.783	2.765	6.2	20.3
5 21	15 26.99	− 0 12.7	1.798	2.768	7.5	20.4
5 31	15 19.28	+ 0 56.0	1.840	2.771	10.2	20.6
6 10	15 12.96	+ 1 41.8	1.905	2.773	13.1	20.8
6 20	15 8.56	+ 2 4.6	1.990	2.776	15.7	21.0

469108 2015 DY_{25} 5 15.8 162°.43 3°.5/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.11	−10 24.3	2.086	2.932	12.4	21.8
4 21	15 51.61	− 9 50.5	2.014	2.937	9.4	21.6
5 1	15 44.21	− 9 16.9	1.967	2.941	6.1	21.4
5 11	15 35.61	− 8 46.8	1.946	2.944	3.7	21.2
5 21	15 26.64	− 8 23.5	1.953	2.948	4.5	21.3
5 31	15 18.21	− 8 9.8	1.988	2.950	7.6	21.5
6 10	15 11.10	− 8 7.5	2.048	2.952	10.8	21.7
6 20	15 5.85	− 8 17.1	2.130	2.954	13.6	21.9

81240 2000 FO_{29} 5 15.8 249°.56 3°.6/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.43	−11 30.5	2.149	3.001	11.9	19.1
4 21	15 48.90	−10 27.0	2.068	2.994	9.0	18.9
5 1	15 42.56	− 9 20.9	2.011	2.987	5.9	18.7
5 11	15 35.07	− 8 16.6	1.982	2.979	3.7	18.5
5 21	15 27.19	− 7 18.8	1.980	2.972	4.8	18.6
5 31	15 19.75	− 6 31.8	2.006	2.964	7.8	18.7
6 10	15 13.50	− 5 58.8	2.056	2.956	10.9	18.9
6 20	15 8.99	− 5 40.9	2.129	2.948	13.8	19.1

70921 1999 VY_{196} 5 15.8 166°.66 5°.6/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 55.77	− 3 26.3	2.237	3.078	11.9	19.9
4 21	15 50.46	− 2 41.2	2.169	3.082	9.3	19.7
5 1	15 43.44	− 2 1.2	2.125	3.084	6.9	19.6
5 11	15 35.34	− 1 30.4	2.108	3.087	5.6	19.5
5 21	15 26.93	− 1 12.0	2.118	3.089	6.4	19.6
5 31	15 19.00	− 1 8.4	2.155	3.091	8.7	19.7
6 10	15 12.26	− 1 20.2	2.217	3.092	11.3	19.9
6 20	15 7.22	− 1 46.5	2.300	3.093	13.7	20.0

521211 2015 FH_{414} 5 15.8 109°.10 5°.2/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.59	− 5 17.0	2.185	3.033	11.9	21.3
4 21	15 48.86	− 4 22.0	2.120	3.039	9.2	21.2
5 1	15 42.45	− 3 30.5	2.080	3.044	6.7	21.0
5 11	15 35.01	− 2 47.0	2.066	3.050	5.3	20.9
5 21	15 27.28	− 2 15.3	2.080	3.055	6.2	21.0
5 31	15 20.05	− 1 58.1	2.120	3.060	8.5	21.1
6 10	15 14.00	− 1 56.5	2.184	3.065	11.2	21.3
6 20	15 9.63	− 2 10.2	2.269	3.070	13.6	21.5

173012 2006 PG_{17} 5 15.8 252°.22 1°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 49.87	−13 48.5	3.682	4.519	7.8	20.9
4 21	15 45.63	−13 24.4	3.583	4.503	5.8	20.7
5 1	15 40.31	−12 58.7	3.511	4.487	3.6	20.5
5 11	15 34.30	−12 33.0	3.467	4.470	1.7	20.4
5 21	15 28.02	−12 9.0	3.453	4.454	2.2	20.4
5 31	15 21.95	−11 48.4	3.469	4.437	4.4	20.5
6 10	15 16.53	−11 32.9	3.512	4.420	6.6	20.7
6 20	15 12.11	−11 23.6	3.580	4.402	8.6	20.8

438673 2008 GY_{15} 5 15.8 318°.43 5°.1/11.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.06	− 7 38.6	2.158	3.014	11.7	21.3
4 21	15 47.10	− 6 16.8	2.081	3.005	9.0	21.1
5 1	15 41.45	− 4 54.9	2.029	2.997	6.5	20.9
5 11	15 34.70	− 3 38.3	2.003	2.989	5.1	20.8
5 21	15 27.59	− 2 32.2	2.005	2.982	6.2	20.9
5 31	15 20.91	− 1 41.2	2.033	2.974	8.8	21.0
6 10	15 15.36	− 1 7.9	2.086	2.967	11.6	21.2
6 20	15 11.44	− 0 52.9	2.159	2.960	14.2	21.3

508935 2004 RK_{53} 5 15.8 221°.62 2°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.53	−26 26.7	2.252	3.070	12.7	21.9
4 21	15 53.68	−26 41.2	2.158	3.061	9.9	21.7
5 1	15 45.66	−26 46.3	2.087	3.051	6.6	21.5
5 11	15 36.15	−26 41.1	2.042	3.041	3.4	21.3
5 21	15 26.02	−26 26.0	2.026	3.031	2.9	21.2
5 31	15 16.30	−26 3.3	2.039	3.020	5.9	21.4
6 10	15 7.91	−25 36.8	2.078	3.008	9.3	21.6
6 20	15 1.53	−25 10.7	2.140	2.996	12.4	21.8

343085 2009 DC_{13} 5 15.8 100°.36 1°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.87	−17 57.9	2.220	3.063	11.9	20.7
4 21	15 49.84	−17 28.7	2.152	3.075	8.9	20.5
5 1	15 43.06	−16 54.3	2.108	3.086	5.4	20.3
5 11	15 35.22	−16 17.1	2.090	3.097	1.9	20.1
5 21	15 27.10	−15 40.0	2.102	3.108	2.4	20.1
5 31	15 19.52	−15 6.3	2.141	3.119	5.9	20.4
6 10	15 13.21	−14 39.1	2.206	3.129	9.2	20.6
6 20	15 8.64	−14 20.5	2.295	3.140	12.1	20.8

436642 2011 QG_{22} 5 15.8 256°.64 3°.4/13.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.36	−11 54.8	2.163	3.015	11.9	21.9
4 21	15 48.85	−10 58.7	2.082	3.008	8.9	21.7
5 1	15 42.55	−10 0.1	2.025	3.001	5.8	21.5
5 11	15 35.10	− 9 3.1	1.995	2.994	3.5	21.3
5 21	15 27.24	− 8 11.9	1.992	2.986	4.5	21.4
5 31	15 19.82	− 7 30.5	2.017	2.978	7.5	21.5
6 10	15 13.59	− 7 2.0	2.067	2.971	10.7	21.7
6 20	15 9.07	− 6 47.7	2.139	2.963	13.6	21.9

8681 Burs 5 15.8 214°.09 1°.0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.18	−16 55.3	2.690	3.527	10.3	18.5
4 21	15 49.18	−16 32.2	2.601	3.521	7.7	18.4
5 1	15 42.64	−16 5.2	2.537	3.514	4.7	18.2
5 11	15 35.11	−15 36.1	2.501	3.507	1.7	17.9
5 21	15 27.22	−15 7.0	2.494	3.500	2.2	18.0
5 31	15 19.68	−14 40.5	2.516	3.492	5.3	18.2
6 10	15 13.13	−14 19.2	2.566	3.484	8.3	18.3
6 20	15 8.05	−14 4.9	2.639	3.475	10.9	18.5

303774 2005 QG_{180} 5 15.8 188°.04 4°.6/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.46	−37 17.1	3.239	3.998	10.4	21.9
4 21	15 52.40	−37 43.5	3.146	3.997	8.6	21.8
5 1	15 44.66	−37 58.1	3.076	3.995	6.7	21.7
5 11	15 35.80	−37 59.3	3.033	3.993	5.1	21.5
5 21	15 26.51	−37 46.9	3.017	3.991	4.6	21.5
5 31	15 17.58	−37 22.1	3.031	3.987	5.5	21.6
6 10	15 9.71	−36 48.2	3.072	3.984	7.3	21.7
6 20	15 3.42	−36 8.9	3.138	3.980	9.2	21.8

65274 2002 GM_{55} 5 15.8 199°.46 1°.5/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 58.94	−17 14.9	1.776	2.624	14.2	19.8
4 21	15 53.44	−16 41.6	1.696	2.621	10.7	19.6
5 1	15 45.57	−16 1.9	1.639	2.618	6.6	19.4
5 11	15 36.14	−15 18.5	1.609	2.615	2.4	19.1
5 21	15 26.16	−14 35.2	1.605	2.611	3.2	19.1
5 31	15 16.78	−13 56.6	1.629	2.606	7.5	19.4
6 10	15 9.00	−13 27.0	1.677	2.601	11.6	19.6
6 20	15 3.48	−13 9.1	1.748	2.595	15.1	19.8

134570 1999 RM_{241} 5 15.8 216°.81 0°.6/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.13	−19 8.5	1.957	2.797	13.4	21.4
4 21	15 53.48	−18 43.5	1.868	2.789	10.1	21.1
5 1	15 45.57	−18 11.1	1.803	2.780	6.3	20.9
5 11	15 36.15	−17 33.3	1.764	2.771	2.1	20.6
5 21	15 26.14	−16 52.9	1.753	2.761	2.5	20.6
5 31	15 16.63	−16 14.0	1.771	2.750	6.8	20.8
6 10	15 8.57	−15 41.0	1.814	2.739	10.8	21.1
6 20	15 2.65	−15 17.2	1.880	2.727	14.2	21.3

122733 2000 SK_{47} 5 15.9 197°.90 3°.5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 46.03	− 2 16.6	4.480	5.314	6.5	19.8
4 21	15 42.57	− 1 29.2	4.407	5.313	5.2	19.7
5 1	15 38.35	− 0 44.6	4.361	5.312	4.0	19.6
5 11	15 33.66	− 0 5.1	4.344	5.311	3.5	19.6
5 21	15 28.82	+ 0 27.6	4.355	5.310	4.0	19.6
5 31	15 24.17	+ 0 52.0	4.394	5.309	5.2	19.7
6 10	15 20.04	+ 1 7.4	4.459	5.308	6.6	19.8
6 20	15 16.67	+ 1 13.4	4.547	5.307	7.9	19.9

178736 2000 TH_{21} 5 15.9 220°.80 1°.8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.47	−13 27.5	2.544	3.384	10.7	20.3
4 21	15 50.22	−13 19.9	2.457	3.378	8.0	20.2
5 1	15 43.33	−13 11.3	2.396	3.372	5.0	20.0
5 11	15 35.37	−13 3.4	2.362	3.366	2.2	19.8
5 21	15 27.01	−12 57.7	2.357	3.360	2.8	19.8
5 31	15 18.99	−12 56.4	2.381	3.353	5.8	20.0
6 10	15 12.02	−13 0.8	2.432	3.346	8.9	20.2
6 20	15 6.59	−13 12.2	2.506	3.339	11.5	20.3

427939 2005 WG 5 15.9 152°.52 0°.9/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.28	−16 16.3	2.129	2.966	12.6	22.2
4 21	15 54.03	−16 21.7	2.054	2.973	9.4	22.1
5 1	15 45.76	−16 24.4	2.003	2.980	5.8	21.8
5 11	15 36.18	−16 25.3	1.980	2.986	2.0	21.6
5 21	15 26.17	−16 25.7	1.985	2.992	2.4	21.6
5 31	15 16.69	−16 27.6	2.019	2.997	6.2	21.9
6 10	15 8.61	−16 33.2	2.080	3.002	9.7	22.1
6 20	15 2.49	−16 43.9	2.164	3.006	12.8	22.3

87310 2000 QE_1 5 15.9 267°.65 4°.7/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.56	−31 39.2	2.026	2.832	14.3	20.1
4 21	15 55.02	−32 6.5	1.919	2.808	11.6	19.9
5 1	15 46.82	−32 20.7	1.834	2.785	8.5	19.6
5 11	15 36.66	−32 19.0	1.773	2.760	5.6	19.4
5 21	15 25.55	−32 0.3	1.740	2.735	4.9	19.3
5 31	15 14.74	−31 26.6	1.733	2.710	7.3	19.4
6 10	15 5.45	−30 43.0	1.753	2.684	10.7	19.5
6 20	14 58.55	−29 55.6	1.795	2.657	14.1	19.7

505986 2015 GT_{30} 5 15.9 35°.10 1°.6/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.88	−23 57.2	1.858	2.696	14.1	21.4
4 21	15 51.91	−24 2.4	1.781	2.698	10.8	21.2
5 1	15 44.64	−23 58.0	1.727	2.700	7.0	21.0
5 11	15 35.84	−23 44.3	1.698	2.702	3.0	20.7
5 21	15 26.53	−23 22.8	1.697	2.704	2.5	20.7
5 31	15 17.80	−22 56.6	1.722	2.707	6.4	20.9
6 10	15 10.63	−22 30.2	1.772	2.709	10.2	21.2
6 20	15 5.68	−22 7.7	1.845	2.712	13.6	21.4

322442 2011 TT_2 5 15.9 253°.94 4°.7/18.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.72	−32 29.3	2.297	3.095	13.0	20.8
4 21	15 53.19	−33 9.3	2.209	3.091	10.5	20.6
5 1	15 45.43	−33 37.5	2.143	3.088	7.8	20.5
5 11	15 36.13	−33 51.4	2.103	3.084	5.5	20.3
5 21	15 26.20	−33 50.3	2.091	3.080	4.8	20.3
5 31	15 16.68	−33 35.7	2.105	3.076	6.6	20.4
6 10	15 8.55	−33 11.5	2.146	3.072	9.3	20.5
6 20	15 2.50	−32 42.5	2.210	3.068	12.0	20.7

1065 Amundsenia 5 15.9 305°.10 7°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.15	−33 45.3	1.411	2.236	18.4	15.5
4 21	15 55.30	−34 37.5	1.304	2.202	15.3	15.2
5 1	15 47.77	−35 13.3	1.216	2.167	11.8	14.9
5 11	15 37.19	−35 26.6	1.150	2.132	8.6	14.6
5 21	15 24.86	−35 13.0	1.106	2.097	7.7	14.5
5 31	15 12.66	−34 32.9	1.086	2.063	10.4	14.5
6 10	15 2.54	−33 33.4	1.087	2.028	14.7	14.6
6 20	14 55.89	−32 24.9	1.108	1.994	19.2	14.8

243592 1998 RQ_4 5 15.9 146°.44 7°.0/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 54.49	+ 6 0.6	2.999	3.809	10.0	21.4
4 21	15 49.06	+ 7 16.7	2.949	3.823	8.5	21.3
5 1	15 42.41	+ 8 24.0	2.924	3.836	7.3	21.3
5 11	15 35.03	+ 9 18.1	2.926	3.849	7.0	21.3
5 21	15 27.47	+ 9 56.0	2.955	3.860	7.7	21.3
5 31	15 20.33	+10 16.0	3.011	3.871	9.0	21.4
6 10	15 14.11	+10 18.3	3.090	3.882	10.5	21.6
6 20	15 9.16	+10 4.0	3.189	3.891	12.0	21.7

520333 2014 GX_{60} 5 15.9 142°.98 4°.6/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.20	− 6 39.2	2.364	3.213	11.1	21.4
4 21	15 47.79	− 5 42.7	2.293	3.213	8.5	21.2
5 1	15 41.82	− 4 48.2	2.247	3.214	6.1	21.1
5 11	15 34.87	− 3 59.8	2.228	3.214	4.6	21.0
5 21	15 27.62	− 3 21.2	2.236	3.214	5.5	21.0
5 31	15 20.80	− 2 55.5	2.271	3.215	7.9	21.2
6 10	15 15.05	− 2 44.1	2.331	3.215	10.5	21.3
6 20	15 10.83	− 2 47.2	2.413	3.215	12.9	21.5

247028 2000 AZ_{70} 5 15.9 266°.17 0°.6/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.41	−23 32.2	2.815	3.638	10.2	20.7
4 21	15 49.46	−23 4.0	2.702	3.613	7.8	20.5
5 1	15 42.91	−22 27.2	2.615	3.587	5.0	20.3
5 11	15 35.27	−21 42.8	2.555	3.560	1.9	20.0
5 21	15 27.17	−20 52.8	2.525	3.533	1.7	20.0
5 31	15 19.33	−20 0.5	2.524	3.506	4.9	20.1
6 10	15 12.45	−19 9.4	2.552	3.478	8.0	20.3
6 20	15 7.03	−18 23.1	2.604	3.450	10.8	20.4

79754 1998 TG_7 5 15.9 173°.52 0°.8/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.80	−22 25.7	2.015	2.847	13.4	20.7
4 21	15 53.89	−22 19.9	1.935	2.850	10.2	20.5
5 1	15 45.78	−22 5.5	1.878	2.852	6.4	20.2
5 11	15 36.23	−21 43.4	1.848	2.854	2.4	20.0
5 21	15 26.19	−21 15.3	1.846	2.855	2.2	20.0
5 31	15 16.73	−20 44.6	1.873	2.855	6.2	20.2
6 10	15 8.77	−20 15.4	1.925	2.856	9.9	20.4
6 20	15 2.94	−19 51.5	2.001	2.855	13.2	20.7

353698 2011 UP_{368} 5 15.9 248°.75 2°.2/14.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.91	−14 28.5	2.388	3.235	11.1	21.4
4 21	15 48.39	−13 42.6	2.303	3.228	8.3	21.2
5 1	15 42.24	−12 53.2	2.244	3.222	5.2	21.0
5 11	15 35.03	−12 3.1	2.211	3.215	2.5	20.8
5 21	15 27.46	−11 15.9	2.207	3.208	3.3	20.9
5 31	15 20.28	−10 35.2	2.232	3.200	6.4	21.1
6 10	15 14.19	−10 3.9	2.282	3.193	9.5	21.2
6 20	15 9.68	− 9 43.8	2.355	3.186	12.3	21.4

457438 2008 UP_{105} 5 15.9 175°.03 0°.1/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 2.37	−19 47.3	1.653	2.496	15.3	22.4
4 21	15 56.24	−19 48.5	1.577	2.499	11.6	22.2
5 1	15 47.43	−19 42.8	1.523	2.501	7.2	21.9
5 11	15 36.82	−19 30.8	1.495	2.502	2.4	21.6
5 21	15 25.57	−19 14.4	1.494	2.503	2.5	21.6
5 31	15 15.00	−18 57.0	1.520	2.503	7.3	21.9
6 10	15 6.26	−18 42.6	1.571	2.502	11.7	22.2
6 20	15 0.08	−18 34.9	1.643	2.501	15.4	22.4

101732 1999 EV_{11} 5 15.9 47°.61 0°.1/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.49	−18 49.1	1.550	2.405	15.6	18.6
4 21	15 53.37	−18 55.9	1.484	2.412	11.7	18.4
5 1	15 45.65	−18 57.0	1.440	2.419	7.3	18.1
5 11	15 36.21	−18 53.2	1.420	2.427	2.4	17.9
5 21	15 26.23	−18 46.4	1.426	2.434	2.6	17.9
5 31	15 16.99	−18 39.7	1.458	2.442	7.3	18.2
6 10	15 9.58	−18 36.4	1.514	2.451	11.7	18.5
6 20	15 4.69	−18 39.4	1.591	2.459	15.4	18.7

436218 2009 YY_{22} 5 15.9 102°.75 1°.6/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.17	−25 57.3	2.221	3.041	12.7	22.2
4 21	15 53.02	−25 38.3	2.160	3.066	9.7	22.0
5 1	15 45.01	−25 8.7	2.122	3.090	6.3	21.9
5 11	15 35.91	−24 29.4	2.112	3.114	2.8	21.7
5 21	15 26.62	−23 43.2	2.130	3.137	2.2	21.7
5 31	15 18.04	−22 53.7	2.177	3.160	5.4	21.9
6 10	15 10.93	−22 5.6	2.251	3.182	8.7	22.2
6 20	15 5.76	−21 22.8	2.349	3.203	11.5	22.4

90929 1997 SQ_{18} 5 15.9 115°.09 3°.9/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 2.98	−28 9.8	1.529	2.359	17.0	18.9
4 21	15 56.99	−28 34.3	1.461	2.369	13.3	18.7
5 1	15 48.00	−28 44.4	1.415	2.379	9.1	18.4
5 11	15 37.02	−28 38.1	1.393	2.389	5.1	18.2
5 21	15 25.42	−28 16.0	1.396	2.399	4.2	18.2
5 31	15 14.70	−27 42.2	1.425	2.408	7.7	18.4
6 10	15 6.14	−27 3.2	1.479	2.417	11.8	18.7
6 20	15 0.47	−26 25.6	1.554	2.426	15.5	18.9

349351 2007 VD_{124} 5 15.9 174.°49 0.°2/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 55.34	−19 59.6	2.432	3.267	11.3	22.4
4 21	15 50.19	−19 41.3	2.351	3.269	8.5	22.2
5 1	15 43.34	−19 16.9	2.294	3.270	5.2	22.0
5 11	15 35.40	−18 47.9	2.264	3.271	1.7	21.8
5 21	15 27.11	−18 16.6	2.264	3.272	1.9	21.8
5 31	15 19.27	−17 45.9	2.291	3.272	5.4	22.0
6 10	15 12.57	−17 18.8	2.346	3.272	8.6	22.2
6 20	15 7.54	−16 57.9	2.425	3.272	11.4	22.4

468190 2015 AB_{195} 5 15.9 322.°50 2.°1/14.9 17

4 11	15 56.81	−15 5.0	1.649	2.506	14.6	21.3
4 21	15 52.00	−14 45.0	1.574	2.504	11.0	21.1
5 1	15 44.78	−14 21.4	1.522	2.502	6.9	20.8
5 11	15 35.94	−13 57.1	1.495	2.500	2.8	20.6
5 21	15 26.54	−13 35.3	1.494	2.498	3.6	20.6
5 31	15 17.74	−13 19.7	1.519	2.497	7.9	20.9
6 10	15 10.57	−13 13.4	1.568	2.495	12.0	21.1
6 20	15 5.72	−13 18.2	1.638	2.493	15.6	21.3

214550 2006 PD_{14} 5 15.9 273.°49 1.°5/15.3 18

4 11	15 59.59	−15 35.0	1.577	2.432	15.3	20.5
4 21	15 54.44	−15 34.9	1.489	2.417	11.6	20.2
5 1	15 46.52	−15 32.0	1.422	2.402	7.3	19.9
5 11	15 36.60	−15 27.9	1.380	2.387	2.7	19.6
5 21	15 25.78	−15 24.5	1.365	2.372	3.3	19.6
5 31	15 15.41	−15 24.9	1.375	2.356	8.2	19.8
6 10	15 6.75	−15 32.1	1.410	2.341	12.8	20.0
6 20	15 0.65	−15 48.1	1.465	2.325	16.9	20.3

59893 1999 RY_{137} 5 15.9 299.°12 6.°6/18.3 18

4 11	15 59.69	−32 12.1	1.430	2.258	18.0	19.2
4 21	15 55.39	−33 2.3	1.336	2.238	14.8	18.9
5 1	15 47.59	−33 36.8	1.262	2.217	11.1	18.6
5 11	15 37.08	−33 50.6	1.210	2.197	7.7	18.4
5 21	15 25.20	−33 40.7	1.182	2.176	6.8	18.3
5 31	15 13.74	−33 8.8	1.178	2.156	9.6	18.4
6 10	15 4.41	−32 22.0	1.196	2.136	13.7	18.5
6 20	14 58.39	−31 29.2	1.233	2.117	17.9	18.7

417493 2006 SP_{6} 5 15.9 275.°47 1.°3/16.5 17

4 11	15 57.86	−24 16.1	1.627	2.471	15.5	21.2
4 21	15 53.20	−23 56.3	1.531	2.451	12.0	20.9
5 1	15 45.77	−23 22.9	1.456	2.431	7.7	20.6
5 11	15 36.36	−22 36.6	1.406	2.411	3.1	20.3
5 21	15 26.06	−21 40.0	1.382	2.391	2.6	20.2
5 31	15 16.24	−20 38.6	1.384	2.370	7.5	20.4
6 10	15 8.14	−19 39.4	1.410	2.349	12.2	20.6
6 20	15 2.61	−18 48.6	1.458	2.328	16.4	20.8

404977 1999 VA_{113} 5 15.9 250.°03 0.°9/15.0 17

4 11	15 50.96	−15 39.4	3.944	4.775	7.4	21.7
4 21	15 46.42	−15 29.2	3.840	4.756	5.5	21.6
5 1	15 40.84	−15 17.2	3.761	4.737	3.4	21.4
5 11	15 34.56	−15 4.3	3.712	4.718	1.3	21.2
5 21	15 28.01	−14 51.9	3.693	4.698	1.7	21.2
5 31	15 21.63	−14 41.2	3.704	4.678	3.9	21.4
6 10	15 15.86	−14 33.7	3.744	4.657	6.1	21.5
6 20	15 11.04	−14 30.4	3.809	4.637	8.0	21.6

466579 2014 UO_{65} 5 15.9 188.°25 4.°1/17.8 17

4 11	16 2.48	−29 12.2	1.746	2.566	15.7	21.9
4 21	15 56.50	−29 38.8	1.665	2.566	12.4	21.7
5 1	15 47.70	−29 51.9	1.605	2.565	8.7	21.5
5 11	15 36.96	−29 49.4	1.570	2.564	5.2	21.3
5 21	15 25.48	−29 30.9	1.562	2.562	4.4	21.2
5 31	15 14.63	−28 59.7	1.580	2.560	7.4	21.4
6 10	15 5.67	−28 21.4	1.623	2.558	11.2	21.6
6 20	14 59.37	−27 42.6	1.689	2.555	14.7	21.8

172648 2003 YM_{56} 5 15.9 83.°47 1.°5/15.2 18

4 11	15 59.83	−16 36.6	1.539	2.394	15.7	20.0
4 21	15 54.17	−16 17.4	1.483	2.411	11.7	19.8
5 1	15 46.01	−15 53.3	1.449	2.429	7.2	19.6
5 11	15 36.31	−15 27.1	1.439	2.446	2.6	19.3
5 21	15 26.26	−15 2.1	1.457	2.463	3.3	19.4
5 31	15 17.09	−14 42.3	1.500	2.480	7.7	19.7
6 10	15 9.81	−14 30.9	1.568	2.497	11.9	20.0
6 20	15 5.01	−14 30.0	1.656	2.513	15.4	20.2

171827 2001 FE_{92} 5 15.9 142.°49 6.°1/12.4 18

4 11	15 58.72	− 4 35.5	1.864	2.710	13.7	20.3
4 21	15 52.92	− 3 36.4	1.804	2.720	10.7	20.1
5 1	15 45.08	− 2 41.9	1.768	2.730	7.8	20.0
5 11	15 36.00	− 1 57.5	1.758	2.740	6.2	19.9
5 21	15 26.59	− 1 27.7	1.774	2.748	7.1	20.0
5 31	15 17.84	− 1 15.3	1.817	2.756	9.8	20.1
6 10	15 10.60	− 1 21.2	1.883	2.764	12.7	20.3
6 20	15 5.40	− 1 44.2	1.971	2.771	15.4	20.5

381549 2008 TA_{51} 5 15.9 77.°97 0.°9/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.35	−21 55.7	1.854	2.696	14.0	21.1
4 21	15 52.23	−21 56.4	1.779	2.699	10.6	20.9
5 1	15 44.84	−21 49.1	1.727	2.703	6.7	20.6
5 11	15 35.97	−21 34.3	1.701	2.707	2.5	20.4
5 21	15 26.59	−21 14.0	1.701	2.710	2.2	20.4
5 31	15 17.81	−20 51.3	1.729	2.714	6.4	20.6
6 10	15 10.58	−20 30.1	1.782	2.717	10.3	20.9
6 20	15 5.55	−20 14.1	1.858	2.721	13.7	21.1

271741 2004 RF_{310} 5 15.9 291.°69 0.°5/15.6 17

4 11	15 55.55	−19 59.3	1.716	2.568	14.4	20.9
4 21	15 51.24	−19 30.2	1.620	2.547	11.0	20.7
5 1	15 44.46	−18 51.4	1.547	2.527	6.8	20.4
5 11	15 35.91	−18 5.2	1.499	2.506	2.3	20.0
5 21	15 26.59	−17 15.0	1.477	2.485	2.7	20.0
5 31	15 17.70	−16 25.9	1.481	2.464	7.5	20.3
6 10	15 10.33	−15 43.4	1.510	2.443	11.9	20.5
6 20	15 5.27	−15 11.9	1.560	2.423	15.9	20.7

512246 2016 AW_{53} 5 15.9 259.°32 5.°3/23.2 18

4 11	15 52.96	−48 32.1	4.530	5.211	8.7	20.9
4 21	15 48.07	−48 42.6	4.433	5.207	7.6	20.8
5 1	15 41.89	−48 40.8	4.358	5.203	6.6	20.7
5 11	15 34.92	−48 25.4	4.306	5.199	5.7	20.6
5 21	15 27.71	−47 56.5	4.281	5.195	5.3	20.6
5 31	15 20.83	−47 15.1	4.282	5.191	5.5	20.6
6 10	15 14.83	−46 23.7	4.309	5.186	6.2	20.6
6 20	15 10.10	−45 25.4	4.361	5.182	7.2	20.7

236579 2006 HE_{101} 5 15.9 208.°64 2.°1/14.6 18

4 11	15 55.51	−14 31.6	2.063	2.912	12.5	20.8
4 21	15 50.58	−14 2.8	1.984	2.910	9.3	20.6
5 1	15 43.71	−13 31.1	1.930	2.908	5.8	20.4
5 11	15 35.58	−12 59.1	1.902	2.906	2.6	20.2
5 21	15 27.02	−12 29.8	1.901	2.904	3.4	20.2
5 31	15 18.95	−12 6.7	1.928	2.902	6.9	20.5
6 10	15 12.18	−11 52.3	1.981	2.899	10.4	20.7
6 20	15 7.27	−11 48.4	2.056	2.897	13.4	20.9

341054 2007 HC_{4} 5 15.9 306.°19 2.°7/14.6 17

4 11	15 55.01	−14 14.4	1.615	2.478	14.7	20.6
4 21	15 50.96	−13 47.3	1.521	2.453	11.1	20.4
5 1	15 44.36	−13 16.3	1.448	2.429	7.1	20.1
5 11	15 35.91	−12 44.6	1.400	2.405	3.2	19.8
5 21	15 26.60	−12 16.1	1.377	2.381	4.2	19.8
5 31	15 17.64	−11 55.2	1.380	2.357	8.6	20.0
6 10	15 10.21	−11 45.8	1.406	2.334	13.1	20.1
6 20	15 5.14	−11 50.1	1.453	2.311	17.1	20.3

191828 2004 VF 5 15.9 297.°01 2.°5/14.7 17

4 11	15 56.18	−14 12.3	1.671	2.529	14.4	20.4
4 21	15 51.78	−13 49.7	1.574	2.505	11.0	20.2
5 1	15 44.85	−13 23.7	1.500	2.480	7.0	19.9
5 11	15 36.07	−12 57.2	1.451	2.456	3.1	19.6
5 21	15 26.43	−12 33.6	1.427	2.431	4.0	19.6
5 31	15 17.12	−12 17.0	1.430	2.407	8.4	19.8
6 10	15 9.31	−12 11.0	1.456	2.382	12.8	20.0
6 20	15 3.82	−12 17.6	1.503	2.358	16.8	20.1

396354 2014 DJ_{82} 5 15.9 36.°80 0.°9/15.3 17

4 11	15 54.17	−17 59.9	1.992	2.842	12.8	21.0
4 21	15 49.61	−17 38.6	1.921	2.847	9.6	20.8
5 1	15 43.11	−17 11.9	1.874	2.853	5.9	20.6
5 11	15 35.38	−16 42.1	1.852	2.859	2.0	20.4
5 21	15 27.27	−16 12.0	1.858	2.866	2.5	20.4
5 31	15 19.72	−15 45.0	1.892	2.872	6.3	20.7
6 10	15 13.52	−15 24.3	1.950	2.879	9.9	20.9
6 20	15 9.23	−15 12.2	2.031	2.886	13.0	21.1

432342 2009 VT_{27} 5 15.9 165.°84 0.°6/16.3 17

4 11	15 57.62	−23 44.3	2.223	3.051	12.4	21.3
4 21	15 52.02	−23 6.5	2.143	3.056	9.4	21.1
5 1	15 44.52	−22 18.3	2.087	3.060	5.9	20.9
5 11	15 35.84	−21 21.5	2.058	3.063	2.2	20.6
5 21	15 26.81	−20 19.4	2.058	3.067	1.9	20.6
5 31	15 18.36	−19 16.5	2.087	3.069	5.7	20.9
6 10	15 11.27	−18 17.7	2.143	3.071	9.2	21.1
6 20	15 6.07	−17 26.9	2.223	3.072	12.2	21.3

102784 1999 VB_{152} 5 15.9 352.°23 1.°7/15.2 17

4 11	15 55.06	−16 23.7	1.217	2.093	17.5	19.3
4 21	15 51.47	−16 11.6	1.148	2.088	13.2	19.1
5 1	15 44.82	−15 54.3	1.100	2.084	8.2	18.8
5 11	15 36.07	−15 34.6	1.074	2.081	3.0	18.5
5 21	15 26.53	−15 16.2	1.071	2.079	3.8	18.5
5 31	15 17.74	−15 3.8	1.092	2.077	9.1	18.8
6 10	15 11.04	−15 1.3	1.135	2.077	14.1	19.1
6 20	15 7.26	−15 11.0	1.196	2.078	18.4	19.3

17681 Tweedledum 5 15.9 153°.25 7°.7/15.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 17.24	+ 0 35.8	1.023	1.868	22.4	16.8
4 21	16 8.84	− 0 20.5	0.956	1.871	17.9	16.5
5 1	15 55.99	− 1 42.5	0.908	1.872	12.8	16.2
5 11	15 39.89	− 3 33.3	0.882	1.874	8.5	16.0
5 21	15 22.49	− 5 49.7	0.882	1.876	8.6	16.0
5 31	15 6.16	− 8 23.4	0.908	1.877	13.1	16.2
6 10	14 52.94	−11 4.2	0.957	1.878	18.3	16.5
6 20	14 43.95	−13 44.3	1.026	1.879	22.9	16.8

234233 2000 SH_{257} 5 15.9 170°.84 2°.3/14.3 17

4 11	15 56.71	−14 5.9	2.267	3.109	11.7	21.5
4 21	15 51.25	−13 27.9	2.191	3.113	8.8	21.3
5 1	15 44.03	−12 46.9	2.139	3.116	5.5	21.1
5 11	15 35.68	−12 6.0	2.115	3.119	2.6	20.9
5 21	15 26.99	−11 28.2	2.120	3.121	3.4	20.9
5 31	15 18.80	−10 57.0	2.153	3.122	6.6	21.1
6 10	15 11.83	−10 35.1	2.212	3.123	9.8	21.3
6 20	15 6.60	−10 23.8	2.294	3.123	12.6	21.5

341744 2007 VL_{267} 5 15.9 71°.01 0°.2/15.7 17

4 11	15 56.00	−19 12.1	2.042	2.885	12.8	21.0
4 21	15 50.92	−19 3.5	1.974	2.897	9.6	20.8
5 1	15 43.90	−18 49.2	1.930	2.908	5.9	20.6
5 11	15 35.65	−18 30.9	1.913	2.920	1.9	20.4
5 21	15 27.06	−18 10.5	1.923	2.931	2.1	20.4
5 31	15 19.05	−17 51.1	1.961	2.943	6.0	20.7
6 10	15 12.43	−17 35.7	2.024	2.955	9.5	20.9
6 20	15 7.73	−17 26.7	2.111	2.966	12.6	21.1

233287 2006 AU_{93} 5 15.9 140°.52 7°.6/20.4 17

4 11	16 1.97	−40 0.1	2.027	2.796	15.5	20.4
4 21	15 56.09	−40 45.2	1.948	2.800	13.1	20.2
5 1	15 47.45	−41 11.6	1.889	2.803	10.6	20.1
5 11	15 36.92	−41 15.2	1.854	2.807	8.4	20.0
5 21	15 25.69	−40 54.9	1.843	2.810	7.6	19.9
5 31	15 15.15	−40 12.9	1.859	2.813	8.6	20.0
6 10	15 6.48	−39 15.4	1.899	2.816	10.8	20.1
6 20	15 0.45	−38 9.9	1.962	2.818	13.4	20.3

344800 2003 YE_{179} 5 15.9 265°.26 2°.0/18.4 18

4 11	15 48.17	−30 34.0	4.566	5.360	7.1	20.9
4 21	15 44.30	−30 29.9	4.472	5.357	5.6	20.7
5 1	15 39.52	−30 19.0	4.404	5.354	4.0	20.6
5 11	15 34.16	−30 1.6	4.363	5.351	2.5	20.5
5 21	15 28.61	−29 38.3	4.351	5.349	2.0	20.5
5 31	15 23.28	−29 10.7	4.369	5.346	3.2	20.6
6 10	15 18.54	−28 40.3	4.415	5.343	4.8	20.7
6 20	15 14.70	−28 9.3	4.487	5.341	6.5	20.8

467967 2012 KA_{1} 5 15.9 316°.89 3°.6/12.6 17

4 11	15 59.59	−22 55.6	1.471	2.320	16.5	20.5
4 21	15 54.38	−19 42.4	1.375	2.304	12.4	20.1
5 1	15 46.37	−15 57.1	1.306	2.287	7.6	19.8
5 11	15 36.54	−11 51.0	1.267	2.271	3.7	19.5
5 21	15 26.15	− 7 42.1	1.260	2.256	6.2	19.6
5 31	15 16.58	− 3 50.8	1.284	2.241	11.3	19.9
6 10	15 8.99	− 0 33.3	1.334	2.226	16.2	20.1
6 20	15 4.06	+ 2 2.8	1.406	2.213	20.2	20.4

211127 2002 GS_{50} 5 15.9 299°.05 6°.0/18.7 17

4 11	15 58.40	−32 43.8	1.417	2.247	18.1	19.7
4 21	15 54.26	−33 6.2	1.329	2.232	14.8	19.4
5 1	15 46.76	−33 8.8	1.260	2.217	10.9	19.1
5 11	15 36.81	−32 48.3	1.213	2.202	7.2	18.9
5 21	15 25.77	−32 3.9	1.190	2.187	6.1	18.8
5 31	15 15.35	−30 59.9	1.191	2.173	8.9	18.9
6 10	15 7.12	−29 45.2	1.214	2.159	13.2	19.1
6 20	15 2.07	−28 29.7	1.258	2.145	17.3	19.3

158097 2000 WH_{164} 5 15.9 193°.37 4°.5/13.2 18

4 11	15 57.43	− 6 21.6	2.264	3.104	11.8	20.2
4 21	15 51.81	− 5 50.5	2.187	3.103	9.1	20.0
5 1	15 44.40	− 5 22.6	2.134	3.100	6.4	19.8
5 11	15 35.83	− 5 1.2	2.108	3.098	4.6	19.7
5 21	15 26.87	− 4 49.1	2.110	3.094	5.3	19.7
5 31	15 18.36	− 4 48.8	2.140	3.090	7.9	19.9
6 10	15 11.03	− 5 1.0	2.196	3.086	10.8	20.0
6 20	15 5.43	− 5 25.6	2.274	3.081	13.4	20.2

232862 2004 TV_{274} 5 15.9 114°.96 0°.2/16.0 17

4 11	15 58.09	−21 33.8	2.278	3.109	12.1	22.2
4 21	15 52.21	−21 11.0	2.213	3.128	9.1	22.0
5 1	15 44.56	−20 40.8	2.173	3.148	5.6	21.8
5 11	15 35.85	−20 4.7	2.160	3.166	1.9	21.6
5 21	15 26.91	−19 25.5	2.176	3.184	1.9	21.6
5 31	15 18.59	−18 46.4	2.221	3.202	5.5	21.9
6 10	15 11.61	−18 11.1	2.292	3.219	8.8	22.1
6 20	15 6.46	−17 42.5	2.388	3.235	11.6	22.3

32194 2000 NY_{27} 5 15.9 8°.08 1°.6/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 54.45	−26 14.7	2.051	2.882	13.2	18.9
4 21	15 49.91	−25 47.1	1.970	2.883	10.1	18.7
5 1	15 43.36	−25 7.1	1.912	2.883	6.6	18.5
5 11	15 35.50	−24 15.9	1.881	2.884	2.9	18.3
5 21	15 27.25	−23 16.6	1.876	2.884	2.3	18.2
5 31	15 19.57	−22 13.8	1.900	2.885	5.8	18.5
6 10	15 13.29	−21 12.9	1.949	2.886	9.5	18.7
6 20	15 8.98	−20 18.5	2.022	2.887	12.7	18.9

59486 1999 JV 5 15.9 20°.41 9°.3/11.6 18

4 11	15 56.62	+ 2 35.3	1.593	2.441	15.6	18.8
4 21	15 51.74	+ 3 29.4	1.535	2.442	12.8	18.6
5 1	15 44.57	+ 4 10.6	1.499	2.445	10.4	18.5
5 11	15 35.92	+ 4 32.4	1.486	2.447	9.3	18.4
5 21	15 26.84	+ 4 30.4	1.497	2.450	10.2	18.5
5 31	15 18.45	+ 4 3.0	1.531	2.453	12.5	18.6
6 10	15 11.69	+ 3 11.7	1.587	2.456	15.3	18.8
6 20	15 7.18	+ 2 0.5	1.662	2.460	17.9	19.0

297871 2002 CW_{109} 5 15.9 156°.76 8°.3/23.5 18

4 11	16 5.37	−51 39.6	3.149	3.812	12.5	21.6
4 21	15 58.16	−52 31.6	3.067	3.819	11.2	21.5
5 1	15 48.54	−53 5.7	3.006	3.825	9.9	21.4
5 11	15 37.27	−53 18.5	2.966	3.832	8.9	21.4
5 21	15 25.39	−53 8.3	2.951	3.837	8.3	21.3
5 31	15 14.07	−52 36.0	2.961	3.843	8.5	21.4
6 10	15 4.36	−51 45.7	2.996	3.848	9.3	21.4
6 20	14 56.96	−50 42.8	3.053	3.852	10.5	21.5

382939 2004 TS_{240} 5 15.9 209°.60 0°.9/16.6 17

4 11	15 57.07	−24 39.9	2.226	3.053	12.5	21.2
4 21	15 51.74	−24 5.5	2.137	3.048	9.5	21.0
5 1	15 44.44	−23 19.9	2.071	3.042	6.1	20.8
5 11	15 35.87	−22 24.5	2.032	3.036	2.4	20.5
5 21	15 26.87	−21 22.2	2.021	3.030	2.0	20.5
5 31	15 18.37	−20 17.5	2.040	3.023	5.7	20.7
6 10	15 11.20	−19 15.7	2.085	3.015	9.3	20.9
6 20	15 5.93	−18 21.0	2.154	3.007	12.5	21.1

114712 2003 GF_{9} 5 15.9 242°.54 6°.1/ 9.7 18

4 11	15 52.48	− 2 50.2	2.520	3.362	10.7	19.4
4 21	15 47.98	− 1 10.0	2.444	3.353	8.6	19.3
5 1	15 41.98	+ 0 27.9	2.393	3.344	6.8	19.1
5 11	15 35.03	+ 1 57.7	2.371	3.335	6.1	19.1
5 21	15 27.75	+ 3 14.4	2.376	3.326	7.2	19.1
5 31	15 20.84	+ 4 13.7	2.409	3.316	9.2	19.2
6 10	15 14.91	+ 4 53.7	2.466	3.306	11.4	19.4
6 20	15 10.42	+ 5 14.2	2.543	3.297	13.5	19.5

336345 2008 TK_{119} 5 15.9 66°.21 0°.6/15.6 17

4 11	15 56.42	−19 34.2	1.753	2.604	14.3	20.5
4 21	15 51.48	−19 7.3	1.691	2.617	10.7	20.3
5 1	15 44.33	−18 32.8	1.651	2.630	6.5	20.1
5 11	15 35.84	−17 53.4	1.637	2.644	2.1	19.8
5 21	15 26.99	−17 12.5	1.649	2.657	2.5	19.9
5 31	15 18.87	−16 34.5	1.688	2.671	6.8	20.2
6 10	15 12.37	−16 3.6	1.753	2.684	10.7	20.4
6 20	15 8.04	−15 42.5	1.839	2.698	14.0	20.7

470075 2006 SS_{321} 5 15.9 161°.91 0°.7/15.4 17

4 11	15 54.89	−17 41.4	2.724	3.559	10.2	22.5
4 21	15 49.69	−17 22.8	2.645	3.564	7.6	22.3
5 1	15 43.00	−17 0.2	2.592	3.568	4.7	22.1
5 11	15 35.37	−16 35.2	2.566	3.572	1.6	21.9
5 21	15 27.46	−16 9.8	2.569	3.576	2.0	22.0
5 31	15 19.94	−15 46.3	2.602	3.579	5.1	22.2
6 10	15 13.44	−15 27.2	2.662	3.582	8.0	22.4
6 20	15 8.40	−15 14.3	2.746	3.585	10.5	22.5

333671 2008 SG_{306} 5 15.9 319°.58 4°.8/12.5 17

4 11	15 52.60	−12 57.7	1.551	2.421	14.8	20.2
4 21	15 49.00	−11 20.2	1.473	2.408	11.2	19.9
5 1	15 43.03	− 9 35.2	1.417	2.396	7.4	19.7
5 11	15 35.47	− 7 50.0	1.386	2.384	4.9	19.5
5 21	15 27.34	− 6 13.1	1.381	2.373	6.4	19.6
5 31	15 19.77	− 4 52.7	1.402	2.362	10.2	19.8
6 10	15 13.80	− 3 54.3	1.445	2.352	14.2	20.0
6 20	15 10.08	− 3 20.0	1.507	2.342	17.7	20.2

139154 2001 FB_{105} 5 15.9 132°.30 0°.7/16.3 18

4 11	16 0.07	−23 2.2	1.793	2.629	14.6	20.4
4 21	15 54.25	−22 38.7	1.723	2.641	11.0	20.2
5 1	15 46.08	−22 4.6	1.677	2.652	6.9	20.0
5 11	15 36.44	−21 21.4	1.656	2.662	2.5	19.7
5 21	15 26.41	−20 32.3	1.663	2.672	2.3	19.7
5 31	15 17.13	−19 42.2	1.698	2.681	6.6	20.0
6 10	15 9.57	−18 56.3	1.758	2.690	10.6	20.2
6 20	15 4.32	−18 18.8	1.840	2.698	14.0	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
171777 2001 BP_{22}			5 15.9 129.°50		3.°5/14.3 18	
	h m	° ′			°	m
4 11	15 59.45	−11 59.6	1.636	2.490	14.9	20.3
4 21	15 53.87	−11 27.6	1.571	2.498	11.2	20.1
5 1	15 45.90	−10 54.8	1.528	2.506	7.2	19.8
5 11	15 36.39	−10 24.8	1.511	2.513	3.8	19.7
5 21	15 26.45	−10 1.5	1.521	2.520	4.7	19.7
5 31	15 17.22	− 9 48.4	1.557	2.527	8.5	20.0
6 10	15 9.72	− 9 47.8	1.617	2.533	12.4	20.2
6 20	15 4.56	−10 0.4	1.698	2.539	15.8	20.4
50 Virginia			5 15.9 245.°44		1.°2/15.1 18	
4 11	15 57.15	−17 11.4	2.332	3.169	11.6	14.3
4 21	15 51.80	−16 43.8	2.231	3.150	8.8	14.1
5 1	15 44.54	−16 10.9	2.154	3.131	5.4	13.8
5 11	15 35.96	−15 34.7	2.105	3.111	2.0	13.6
5 21	15 26.83	−14 57.7	2.085	3.090	2.6	13.6
5 31	15 18.02	−14 23.4	2.093	3.069	6.2	13.8
6 10	15 10.35	−13 55.3	2.128	3.047	9.7	13.9
6 20	15 4.42	−13 35.7	2.187	3.024	12.9	14.1
42256 2001 OA_{63}			5 15.9 216.°40		2.°5/17.1 18	
4 11	16 1.71	−26 11.0	1.687	2.518	15.6	18.9
4 21	15 55.99	−26 15.6	1.601	2.512	12.1	18.7
5 1	15 47.47	−26 7.5	1.536	2.505	8.1	18.4
5 11	15 37.00	−25 45.8	1.496	2.498	3.9	18.1
5 21	15 25.75	−25 11.9	1.483	2.490	3.2	18.1
5 31	15 15.10	−24 29.6	1.497	2.481	7.2	18.3
6 10	15 6.29	−23 45.1	1.536	2.472	11.5	18.5
6 20	15 0.12	−23 4.4	1.596	2.463	15.4	18.7
53241 1999 CU_{128}			5 15.9 349.°33		9.°4/12.3 17	
4 11	15 56.67	+ 1 37.5	1.434	2.290	16.5	18.3
4 21	15 52.11	+ 2 18.6	1.371	2.285	13.5	18.1
5 1	15 44.98	+ 2 46.4	1.329	2.281	10.8	17.9
5 11	15 36.13	+ 2 53.9	1.309	2.278	9.4	17.8
5 21	15 26.70	+ 2 36.9	1.312	2.276	10.3	17.8
5 31	15 17.95	+ 1 53.7	1.338	2.274	12.9	18.0
6 10	15 10.96	+ 0 46.7	1.385	2.272	16.0	18.2
6 20	15 6.44	− 0 39.9	1.452	2.272	19.0	18.4
384578 2010 HL_{14}			5 15.9 223.°62		1.°4/16.8 17	
4 11	15 56.94	−24 40.3	1.995	2.828	13.5	21.4
4 21	15 51.90	−24 27.7	1.910	2.824	10.3	21.2
5 1	15 44.68	−24 4.4	1.848	2.820	6.7	21.0
5 11	15 36.01	−23 31.0	1.812	2.816	2.8	20.7
5 21	15 26.82	−22 49.8	1.804	2.812	2.3	20.7
5 31	15 18.17	−22 4.6	1.823	2.808	6.1	20.9
6 10	15 10.97	−21 20.4	1.868	2.803	9.9	21.1
6 20	15 5.86	−20 41.6	1.936	2.799	13.3	21.3
168865 2000 VX_{41}			5 15.9 223.°46		1.°4/16.7 17	
4 11	16 0.41	−24 14.7	1.802	2.635	14.7	21.3
4 21	15 54.80	−24 4.0	1.712	2.627	11.3	21.1
5 1	15 46.64	−23 41.8	1.645	2.618	7.3	20.8
5 11	15 36.71	−23 8.4	1.603	2.608	3.0	20.5
5 21	15 26.08	−22 26.0	1.589	2.597	2.5	20.5
5 31	15 15.98	−21 38.9	1.602	2.586	6.9	20.7
6 10	15 7.55	−20 52.7	1.640	2.574	11.1	20.9
6 20	15 1.52	−20 12.6	1.701	2.562	14.8	21.1
49649 1999 JC_{46}			5 15.9 280.°40		3.°4/14.1 18	
4 11	15 56.50	−14 47.5	1.481	2.345	15.7	18.3
4 21	15 52.21	−13 50.3	1.394	2.328	11.9	18.0
5 1	15 45.20	−12 45.7	1.330	2.311	7.5	17.7
5 11	15 36.26	−11 38.6	1.290	2.294	3.7	17.4
5 21	15 26.52	−10 35.2	1.275	2.276	5.0	17.4
5 31	15 17.30	− 9 42.4	1.286	2.259	9.6	17.6
6 10	15 9.81	− 9 5.5	1.319	2.242	14.2	17.9
6 20	15 4.87	− 8 47.5	1.372	2.224	18.2	18.1
486633 2013 NN			5 15.9 111.°85		21.°1/10.8 18	
4 11	16 8.65	+22 40.4	1.100	1.891	24.6	21.3
4 21	16 1.37	+24 17.3	1.075	1.905	22.8	21.2
5 1	15 50.65	+25 12.5	1.065	1.919	21.6	21.2
5 11	15 37.94	+25 14.6	1.070	1.932	21.1	21.2
5 21	15 25.01	+24 19.5	1.092	1.945	21.6	21.3
5 31	15 13.62	+22 31.2	1.131	1.957	22.8	21.4
6 10	15 5.04	+20 0.2	1.184	1.968	24.4	21.6
6 20	14 59.85	+17 0.0	1.252	1.979	26.1	21.8
154529 2003 FW_{114}			5 15.9 40.°97		4.°0/17.3 17	
4 11	16 1.78	−26 29.4	1.559	2.394	16.5	19.9
4 21	15 56.20	−27 25.6	1.490	2.401	12.9	19.7
5 1	15 47.66	−28 11.4	1.443	2.408	8.9	19.5
5 11	15 37.07	−28 43.7	1.419	2.416	5.1	19.3
5 21	15 25.72	−29 1.1	1.421	2.423	4.4	19.3
5 31	15 15.08	−29 5.2	1.449	2.431	7.7	19.5
6 10	15 6.45	−29 0.6	1.502	2.439	11.7	19.7
6 20	15 0.65	−28 52.7	1.575	2.448	15.2	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
383949 2008 SG_{281}			5 15.9 192.°31		1.°2/15.2 17	
	h m	° ′			°	m
4 11	15 56.75	−16 28.4	2.188	3.030	12.1	21.7
4 21	15 51.47	−16 13.2	2.107	3.029	9.1	21.5
5 1	15 44.28	−15 54.3	2.050	3.028	5.6	21.3
5 11	15 35.86	−15 33.5	2.020	3.026	2.0	21.1
5 21	15 27.00	−15 13.0	2.018	3.024	2.6	21.1
5 31	15 18.60	−14 55.6	2.045	3.022	6.2	21.3
6 10	15 11.46	−14 44.0	2.097	3.020	9.7	21.5
6 20	15 6.15	−14 40.1	2.173	3.017	12.7	21.7
153838 2001 XG_{17}			5 15.9 117.°75		0.°7/16.3 18	
4 11	15 59.92	−21 40.2	2.023	2.856	13.3	20.5
4 21	15 53.89	−21 38.7	1.956	2.872	10.0	20.3
5 1	15 45.77	−21 29.7	1.913	2.887	6.3	20.1
5 11	15 36.34	−21 14.0	1.896	2.901	2.3	19.9
5 21	15 26.55	−20 53.3	1.907	2.915	2.1	19.9
5 31	15 17.42	−20 30.7	1.946	2.929	6.0	20.1
6 10	15 9.82	−20 9.8	2.012	2.942	9.6	20.4
6 20	15 4.30	−19 53.8	2.101	2.955	12.7	20.6
397018 2005 TR_{124}			5 15.9 135.°60		1.°7/14.6 17	
4 11	15 53.06	−16 6.3	2.511	3.354	10.7	21.5
4 21	15 48.41	−15 21.6	2.436	3.359	8.0	21.3
5 1	15 42.25	−14 32.7	2.385	3.363	4.9	21.1
5 11	15 35.15	−13 42.4	2.363	3.368	2.1	20.9
5 21	15 27.77	−12 54.0	2.369	3.372	2.8	21.0
5 31	15 20.83	−12 10.8	2.403	3.376	5.8	21.2
6 10	15 14.96	−11 35.7	2.465	3.379	8.7	21.4
6 20	15 10.59	−11 10.6	2.549	3.383	11.4	21.6
170491 2003 UJ_{310}			5 15.9 314.°65		3.°8/17.9 17	
4 11	15 56.05	−29 35.4	1.328	2.175	18.2	19.2
4 21	15 52.42	−29 23.9	1.244	2.162	14.4	19.0
5 1	15 45.57	−28 51.5	1.180	2.149	9.9	18.7
5 11	15 36.43	−27 57.3	1.138	2.137	5.4	18.4
5 21	15 26.38	−26 44.0	1.120	2.126	4.2	18.3
5 31	15 17.04	−25 18.4	1.126	2.115	8.3	18.5
6 10	15 9.88	−23 51.0	1.155	2.104	13.2	18.7
6 20	15 5.78	−22 31.1	1.203	2.094	17.7	18.9
213571 2002 NR_5			5 15.9 310.°23		3.°1/14.5 17	
4 11	15 55.23	−14 24.6	1.330	2.202	16.6	20.7
4 21	15 51.62	−13 53.1	1.243	2.181	12.6	20.4
5 1	15 45.04	−13 16.6	1.177	2.159	8.0	20.1
5 11	15 36.28	−12 39.1	1.133	2.138	3.7	19.8
5 21	15 26.50	−12 5.4	1.114	2.118	4.8	19.8
5 31	15 17.18	−11 41.3	1.118	2.098	9.8	20.0
6 10	15 9.70	−11 31.3	1.144	2.078	14.8	20.2
6 20	15 5.00	−11 37.8	1.189	2.059	19.3	20.4
384106 2008 WY_{82}			5 15.9 175.°32		1.°7/14.7 18	
4 11	15 55.79	−15 37.3	2.373	3.214	11.3	21.9
4 21	15 50.56	−15 3.2	2.294	3.216	8.5	21.7
5 1	15 43.64	−14 25.4	2.240	3.217	5.2	21.5
5 11	15 35.64	−13 46.2	2.214	3.218	2.2	21.3
5 21	15 27.30	−13 8.8	2.216	3.219	2.9	21.4
5 31	15 19.41	−12 36.3	2.247	3.219	6.1	21.6
6 10	15 12.69	−12 11.4	2.304	3.219	9.3	21.8
6 20	15 7.62	−11 56.0	2.385	3.219	12.0	22.0
499574 2010 SM_{36}			5 15.9 184.°41		2.°2/17.2 17	
4 11	16 1.33	−26 11.2	2.065	2.884	13.6	22.5
4 21	15 55.16	−26 15.0	1.980	2.885	10.5	22.3
5 1	15 46.70	−26 8.0	1.919	2.885	7.0	22.0
5 11	15 36.71	−25 49.8	1.884	2.884	3.4	21.8
5 21	15 26.17	−25 21.4	1.876	2.882	2.8	21.8
5 31	15 16.18	−24 46.3	1.898	2.880	6.1	22.0
6 10	15 7.73	−24 8.9	1.945	2.877	9.8	22.2
6 20	15 1.46	−23 34.0	2.017	2.873	13.0	22.4
442606 2012 JM_{18}			5 15.9 205.°95		17.°1/ 9.1 17	
4 11	16 6.65	+17 52.1	1.367	2.161	20.5	21.3
4 21	15 59.77	+19 15.2	1.316	2.158	18.7	21.1
5 1	15 49.79	+20 9.1	1.281	2.153	17.5	21.0
5 11	15 37.76	+20 22.9	1.266	2.148	17.1	21.0
5 21	15 25.12	+19 50.4	1.270	2.143	17.9	21.0
5 31	15 13.41	+18 31.5	1.294	2.136	19.5	21.1
6 10	15 3.94	+16 32.6	1.336	2.129	21.6	21.2
6 20	14 57.46	+14 3.6	1.393	2.121	23.8	21.4
496956 2002 AP_{190}			5 15.9 81.°80		7.°6/12.2 17	
4 11	15 57.39	− 0 18.7	1.761	2.607	14.4	20.7
4 21	15 52.04	+ 0 31.2	1.710	2.620	11.5	20.6
5 1	15 44.63	+ 1 11.4	1.680	2.633	8.9	20.4
5 11	15 35.97	+ 1 36.6	1.675	2.646	7.6	20.4
5 21	15 27.01	+ 1 43.1	1.696	2.659	8.5	20.5
5 31	15 18.76	+ 1 29.1	1.742	2.671	10.8	20.6
6 10	15 12.05	+ 0 55.4	1.810	2.684	13.5	20.8
6 20	15 7.40	+ 0 4.8	1.898	2.696	16.0	21.0

135606 2002 JT_{18} 5 15.9 312°.27 4°.0/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 54.70	−13 6.4	1.296	2.171	16.7	20.0
4 21	15 51.21	−12 21.4	1.213	2.152	12.8	19.7
5 1	15 44.77	−11 31.5	1.151	2.133	8.2	19.4
5 11	15 36.19	−10 42.2	1.112	2.115	4.4	19.1
5 21	15 26.66	− 9 59.5	1.096	2.097	5.7	19.2
5 31	15 17.65	− 9 29.6	1.104	2.080	10.4	19.4
6 10	15 10.52	− 9 17.3	1.133	2.063	15.3	19.6
6 20	15 6.17	− 9 24.3	1.180	2.047	19.7	19.8

49922 1999 XP_{174} 5 15.9 210°.84 2°.4/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.19	−13 2.6	1.956	2.799	13.3	19.8
4 21	15 54.30	−12 49.8	1.872	2.794	10.0	19.5
5 1	15 46.18	−12 35.9	1.811	2.787	6.3	19.3
5 11	15 36.55	−12 23.0	1.777	2.781	2.9	19.1
5 21	15 26.34	−12 13.6	1.771	2.773	3.6	19.1
5 31	15 16.60	−12 10.3	1.792	2.765	7.4	19.3
6 10	15 8.29	−12 15.2	1.840	2.756	11.1	19.5
6 20	15 2.06	−12 29.6	1.910	2.747	14.4	19.7

499515 2010 PQ_{24} 5 15.9 297°.92 1°.6/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.52	−23 31.0	1.364	2.220	17.2	21.5
4 21	15 53.57	−23 31.0	1.270	2.197	13.3	21.2
5 1	15 46.40	−23 18.5	1.196	2.174	8.7	20.9
5 11	15 36.79	−22 53.2	1.146	2.151	3.6	20.5
5 21	15 26.00	−22 16.8	1.119	2.128	3.0	20.4
5 31	15 15.62	−21 34.0	1.117	2.105	8.5	20.6
6 10	15 7.21	−20 52.0	1.137	2.083	13.8	20.9
6 20	15 1.81	−20 17.3	1.177	2.061	18.5	21.1

181688 2331 T_{-2} 5 15.9 189°.54 0°.3/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.83	−19 42.5	2.083	2.918	12.9	22.2
4 21	15 53.90	−19 21.8	1.999	2.917	9.7	22.0
5 1	15 45.85	−18 54.1	1.939	2.915	6.0	21.7
5 11	15 36.42	−18 20.8	1.906	2.913	2.0	21.5
5 21	15 26.51	−17 44.8	1.902	2.910	2.2	21.5
5 31	15 17.11	−17 9.4	1.926	2.906	6.3	21.7
6 10	15 9.13	−16 38.8	1.976	2.901	10.0	21.9
6 20	15 3.18	−16 15.9	2.050	2.896	13.3	22.1

428921 2008 WN_{17} 5 15.9 262°.13 1°.7/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.75	−16 46.0	1.994	2.842	12.9	21.4
4 21	15 51.00	−16 8.5	1.902	2.828	9.7	21.2
5 1	15 44.15	−15 24.9	1.834	2.813	6.0	20.9
5 11	15 35.88	−14 38.1	1.792	2.798	2.4	20.7
5 21	15 27.04	−13 51.6	1.778	2.783	3.1	20.7
5 31	15 18.61	−13 9.8	1.792	2.768	7.1	20.9
6 10	15 11.51	−12 36.7	1.830	2.752	10.9	21.1
6 20	15 6.37	−12 15.1	1.891	2.737	14.2	21.3

157846 1998 RT_{22} 5 15.9 230°.78 1°.3/16.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 2.23	−23 14.0	1.714	2.549	15.2	21.3
4 21	15 56.39	−23 12.9	1.621	2.537	11.7	21.1
5 1	15 47.77	−23 1.4	1.551	2.524	7.6	20.8
5 11	15 37.16	−22 39.6	1.506	2.510	3.0	20.5
5 21	15 25.69	−22 8.7	1.488	2.496	2.6	20.4
5 31	15 14.71	−21 32.8	1.497	2.481	7.3	20.7
6 10	15 5.47	−20 57.3	1.531	2.465	11.8	20.9
6 20	14 58.81	−20 27.3	1.587	2.448	15.7	21.1

3016 Meuse 5 15.9 143°.84 1°.5/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.83	−16 15.9	2.081	2.927	12.5	17.0
4 21	15 50.83	−15 52.5	2.005	2.930	9.3	16.8
5 1	15 43.91	−15 25.0	1.954	2.933	5.8	16.5
5 11	15 35.76	−14 55.8	1.929	2.935	2.2	16.3
5 21	15 27.21	−14 27.7	1.932	2.937	2.8	16.4
5 31	15 19.17	−14 3.9	1.963	2.940	6.5	16.6
6 10	15 12.45	−13 47.2	2.019	2.942	10.0	16.8
6 20	15 7.59	−13 39.6	2.098	2.944	13.0	17.0

199544 2006 DG_{212} 5 15.9 184°.94 1°.4/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.69	−24 15.6	2.161	2.990	12.7	21.0
4 21	15 52.30	−24 10.7	2.078	2.990	9.7	20.8
5 1	15 44.87	−23 56.6	2.019	2.990	6.3	20.6
5 11	15 36.09	−23 33.6	1.985	2.989	2.7	20.4
5 21	15 26.85	−23 3.5	1.980	2.988	2.2	20.3
5 31	15 18.11	−22 29.5	2.003	2.987	5.8	20.5
6 10	15 10.74	−21 55.6	2.052	2.985	9.3	20.8
6 20	15 5.33	−21 25.7	2.125	2.983	12.4	21.0

413853 2006 SA_{407} 5 15.9 297°.51 0°.6/16.4 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 51.92	−21 52.3	2.971	3.801	9.6	21.9
4 21	15 47.60	−21 47.5	2.865	3.779	7.3	21.7
5 1	15 41.83	−21 37.0	2.784	3.757	4.6	21.5
5 11	15 35.07	−21 21.6	2.730	3.736	1.7	21.3
5 21	15 27.88	−21 2.5	2.706	3.714	1.5	21.2
5 31	15 20.93	−20 41.7	2.710	3.693	4.5	21.4
6 10	15 14.82	−20 21.6	2.741	3.671	7.4	21.5
6 20	15 10.02	−20 4.5	2.798	3.650	9.9	21.7

439724 2015 DE_{210} 5 15.9 40°.15 4°.8/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 56.82	− 6 50.9	1.737	2.592	14.1	20.5
4 21	15 51.76	− 6 33.2	1.677	2.601	10.8	20.3
5 1	15 44.55	− 6 20.3	1.638	2.610	7.4	20.1
5 11	15 35.98	− 6 15.7	1.625	2.619	5.0	20.0
5 21	15 27.02	− 6 22.1	1.638	2.629	5.7	20.0
5 31	15 18.71	− 6 41.0	1.677	2.639	8.8	20.2
6 10	15 11.94	− 7 12.8	1.741	2.649	12.1	20.4
6 20	15 7.28	− 7 56.4	1.825	2.660	15.1	20.7

61398 2000 QJ_5 5 15.9 289°.08 0°.7/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.75	−21 56.0	1.710	2.557	14.7	19.3
4 21	15 52.16	−21 46.7	1.623	2.546	11.2	19.1
5 1	15 45.07	−21 28.0	1.558	2.535	7.1	18.8
5 11	15 36.23	−21 0.7	1.518	2.524	2.6	18.5
5 21	15 26.69	−20 27.3	1.504	2.513	2.4	18.5
5 31	15 17.65	−19 51.7	1.517	2.502	7.0	18.7
6 10	15 10.22	−19 19.1	1.554	2.491	11.4	18.9
6 20	15 5.15	−18 53.7	1.612	2.481	15.2	19.1

261375 2005 UW_{356} 5 15.9 183°.26 1°.7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.08	−14 26.5	2.920	3.758	9.5	21.6
4 21	15 48.27	−13 52.6	2.838	3.758	7.1	21.5
5 1	15 42.12	−13 16.2	2.782	3.758	4.4	21.3
5 11	15 35.13	−12 39.5	2.754	3.758	2.0	21.1
5 21	15 27.87	−12 5.1	2.756	3.757	2.7	21.2
5 31	15 20.96	−11 35.3	2.787	3.756	5.3	21.3
6 10	15 14.94	−11 12.3	2.845	3.754	7.9	21.5
6 20	15 10.24	−10 57.6	2.927	3.752	10.3	21.7

1282 Utopia 5 15.9 199°.83 7°.1/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.41	−44 7.9	2.764	3.493	12.7	15.9
4 21	15 54.43	−44 42.7	2.673	3.490	11.0	15.7
5 1	15 46.25	−45 0.9	2.603	3.487	9.2	15.6
5 11	15 36.58	−44 59.5	2.557	3.484	7.7	15.5
5 21	15 26.36	−44 37.4	2.537	3.481	7.1	15.5
5 31	15 16.62	−43 56.4	2.543	3.477	7.6	15.5
6 10	15 8.32	−43 0.6	2.575	3.473	9.1	15.6
6 20	15 2.11	−41 55.8	2.630	3.469	10.9	15.7

309180 2007 CU_9 5 15.9 87°.07 3°.4/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.17	−11 26.4	1.676	2.531	14.5	20.5
4 21	15 52.88	−11 2.1	1.612	2.540	11.0	20.2
5 1	15 45.29	−10 37.9	1.571	2.548	7.0	20.0
5 11	15 36.24	−10 17.2	1.555	2.557	3.8	19.9
5 21	15 26.77	−10 3.3	1.566	2.565	4.6	19.9
5 31	15 17.99	− 9 59.2	1.603	2.574	8.3	20.2
6 10	15 10.85	−10 6.6	1.664	2.582	12.0	20.4
6 20	15 5.96	−10 26.0	1.747	2.590	15.3	20.6

181279 Iapyx 5 15.9 95°.13 5°.1/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 46.65	+ 7 3.6	4.406	5.214	7.1	20.1
4 21	15 43.11	+ 7 47.4	4.348	5.219	6.0	20.1
5 1	15 38.79	+ 8 24.5	4.316	5.223	5.3	20.0
5 11	15 34.00	+ 8 52.7	4.310	5.228	5.1	20.0
5 21	15 29.08	+ 9 10.3	4.330	5.232	5.5	20.0
5 31	15 24.37	+ 9 16.4	4.377	5.237	6.4	20.1
6 10	15 20.19	+ 9 10.9	4.448	5.241	7.5	20.2
6 20	15 16.79	+ 8 54.4	4.540	5.246	8.6	20.3

392040 2009 BZ_{86} 5 15.9 217°.07 4°.4/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.54	−33 34.1	2.392	3.184	12.8	21.6
4 21	15 53.01	−33 48.6	2.299	3.178	10.3	21.4
5 1	15 45.37	−33 49.4	2.229	3.172	7.7	21.2
5 11	15 36.30	−33 35.0	2.185	3.166	5.2	21.0
5 21	15 26.69	−33 5.7	2.167	3.159	4.5	21.0
5 31	15 17.54	−32 23.9	2.178	3.152	6.2	21.1
6 10	15 9.75	−31 34.2	2.216	3.144	8.9	21.2
6 20	15 3.95	−30 41.9	2.277	3.136	11.6	21.4

222511 2001 TX_{47} 5 15.9 233°.62 0°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 2.08	−18 17.1	1.990	2.825	13.4	20.4
4 21	15 55.89	−18 41.2	1.897	2.815	10.2	20.2
5 1	15 47.30	−19 2.1	1.829	2.804	6.4	19.9
5 11	15 37.00	−19 19.7	1.787	2.793	2.2	19.6
5 21	15 25.95	−19 34.3	1.773	2.782	2.2	19.6
5 31	15 15.27	−19 46.9	1.789	2.770	6.5	19.9
6 10	15 6.02	−20 0.1	1.830	2.758	10.5	20.1
6 20	14 58.95	−20 15.9	1.895	2.745	14.0	20.3

505493 2013 WA_{49} 5 15.9 238°.98 4°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.27	−32 18.8	2.053	2.856	14.2	21.8
4 21	15 54.70	−32 39.1	1.958	2.845	11.5	21.6
5 1	15 46.61	−32 45.2	1.885	2.834	8.4	21.4
5 11	15 36.77	−32 34.8	1.836	2.822	5.6	21.2
5 21	15 26.19	−32 7.7	1.815	2.810	4.7	21.1
5 31	15 16.08	−31 26.6	1.821	2.797	6.9	21.3
6 10	15 7.53	−30 36.7	1.852	2.784	10.2	21.4
6 20	15 1.31	−29 44.5	1.907	2.771	13.4	21.6

42660 1998 FR_{126} 5 15.9 72°.57 0°.6/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 0.89	−17 25.9	1.449	2.305	16.4	18.8
4 21	15 55.43	−17 36.6	1.382	2.311	12.4	18.6
5 1	15 47.14	−17 43.0	1.337	2.317	7.7	18.3
5 11	15 36.93	−17 45.9	1.315	2.322	2.6	18.0
5 21	15 26.09	−17 47.0	1.320	2.328	2.8	18.0
5 31	15 16.01	−17 48.8	1.350	2.334	7.9	18.3
6 10	15 7.91	−17 54.7	1.404	2.340	12.4	18.6
6 20	15 2.55	−18 7.2	1.478	2.346	16.3	18.9

417282 2006 AZ_{96} 5 15.9 104°.91 14°.7/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 2.96	+24 27.3	1.984	2.721	16.8	20.3
4 21	15 56.00	+25 20.4	1.949	2.732	15.7	20.2
5 1	15 46.97	+25 46.2	1.932	2.742	14.9	20.2
5 11	15 36.75	+25 38.6	1.934	2.752	14.7	20.2
5 21	15 26.37	+24 55.5	1.957	2.763	15.2	20.2
5 31	15 16.84	+23 37.9	2.001	2.772	16.0	20.3
6 10	15 9.01	+21 51.0	2.063	2.782	17.2	20.4
6 20	15 3.35	+19 41.6	2.142	2.792	18.4	20.5

211449 2003 AL_{81} 5 15.9 215°.07 0°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.40	−18 11.6	2.680	3.507	10.6	20.3
4 21	15 52.51	−18 22.7	2.585	3.499	8.0	20.1
5 1	15 44.90	−18 30.6	2.517	3.491	5.0	19.9
5 11	15 36.13	−18 35.8	2.476	3.483	1.7	19.7
5 21	15 26.89	−18 39.0	2.465	3.473	1.8	19.7
5 31	15 17.96	−18 41.7	2.484	3.464	5.1	19.9
6 10	15 10.05	−18 45.6	2.531	3.454	8.2	20.1
6 20	15 3.71	−18 52.6	2.603	3.443	10.9	20.2

16516 Efremlevitan 5 15.9 190°.85 0°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 1.39	−20 16.8	1.801	2.640	14.4	19.0
4 21	15 55.42	−20 10.3	1.720	2.639	10.9	18.8
5 1	15 46.98	−19 56.4	1.662	2.638	6.8	18.5
5 11	15 36.87	−19 36.0	1.629	2.636	2.3	18.2
5 21	15 26.14	−19 11.1	1.624	2.633	2.4	18.2
5 31	15 16.01	−18 45.4	1.647	2.629	6.9	18.5
6 10	15 7.52	−18 23.0	1.695	2.625	11.1	18.7
6 20	15 1.39	−18 7.5	1.765	2.620	14.7	18.9

357879 2005 UK_{432} 5 15.9 136°.45 0°.4/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.37	−18 25.8	2.943	3.774	9.6	22.6
4 21	15 49.21	−18 14.2	2.868	3.785	7.2	22.4
5 1	15 42.70	−17 58.8	2.819	3.795	4.4	22.2
5 11	15 35.35	−17 40.7	2.798	3.805	1.5	22.0
5 21	15 27.75	−17 21.7	2.806	3.814	1.7	22.1
5 31	15 20.53	−17 3.7	2.844	3.823	4.6	22.3
6 10	15 14.25	−16 48.7	2.910	3.832	7.3	22.5
6 20	15 9.34	−16 38.6	3.000	3.840	9.7	22.6

119765 2001 YF_{122} 5 15.9 25°.71 1°.6/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.98	−19 2.0	1.196	2.062	18.5	17.5
4 21	15 55.95	−20 8.6	1.143	2.075	14.0	17.3
5 1	15 47.63	−21 11.4	1.111	2.090	8.9	17.0
5 11	15 37.12	−22 7.5	1.101	2.107	3.5	16.8
5 21	15 25.93	−22 54.9	1.116	2.124	3.1	16.8
5 31	15 15.72	−23 33.9	1.155	2.143	8.3	17.1
6 10	15 7.91	−24 7.3	1.217	2.163	13.0	17.5
6 20	15 3.27	−24 38.4	1.298	2.183	17.1	17.8

518586 2007 TW_{455} 5 15.9 217°.66 0°.4/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.43	−21 10.2	2.237	3.072	12.1	22.2
4 21	15 51.30	−21 3.2	2.151	3.068	9.2	22.0
5 1	15 44.25	−20 49.5	2.089	3.064	5.8	21.8
5 11	15 35.92	−20 29.9	2.054	3.060	2.0	21.5
5 21	15 27.13	−20 6.2	2.047	3.055	1.9	21.5
5 31	15 18.76	−19 41.2	2.068	3.051	5.7	21.8
6 10	15 11.65	−19 18.3	2.115	3.046	9.2	22.0
6 20	15 6.37	−19 0.5	2.186	3.040	12.3	22.1

308337 2005 OY_{31} 5 15.9 266°.98 4°.0/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 53.20	− 8 59.9	2.304	3.153	11.3	20.9
4 21	15 48.74	− 8 11.2	2.221	3.143	8.6	20.7
5 1	15 42.60	− 7 22.6	2.162	3.133	5.9	20.5
5 11	15 35.36	− 6 38.0	2.130	3.123	4.0	20.4
5 21	15 27.72	− 6 1.0	2.125	3.113	4.9	20.4
5 31	15 20.44	− 5 34.8	2.148	3.103	7.6	20.6
6 10	15 14.26	− 5 21.7	2.196	3.093	10.5	20.7
6 20	15 9.67	− 5 22.1	2.266	3.082	13.2	20.9

125389 2001 VG_{84} 5 15.9 103°.93 2°.1/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.64	−15 15.4	1.825	2.675	13.8	19.7
4 21	15 52.31	−14 41.7	1.761	2.688	10.3	19.5
5 1	15 44.86	−14 4.1	1.721	2.700	6.4	19.3
5 11	15 36.10	−13 26.0	1.707	2.712	2.7	19.1
5 21	15 27.00	−12 50.9	1.720	2.723	3.5	19.2
5 31	15 18.58	−12 22.6	1.760	2.734	7.3	19.4
6 10	15 11.70	−12 4.3	1.825	2.746	11.0	19.7
6 20	15 6.93	−11 57.6	1.912	2.756	14.1	19.9

308030 2004 SD_4 5 15.9 331°.64 1°.3/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 52.36	−21 6.2	1.088	1.969	18.7	20.2
4 21	15 49.89	−20 7.1	1.014	1.956	14.2	19.9
5 1	15 44.13	−18 50.3	0.958	1.944	8.9	19.6
5 11	15 36.04	−17 20.3	0.925	1.932	3.0	19.2
5 21	15 27.03	−15 45.4	0.914	1.922	3.9	19.2
5 31	15 18.79	−14 16.5	0.925	1.912	10.0	19.5
6 10	15 12.80	−13 3.6	0.957	1.904	15.6	19.8
6 20	15 9.94	−12 12.8	1.006	1.896	20.5	20.0

180941 2005 MX_2 5 15.9 304°.09 1°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.89	−23 49.6	1.473	2.327	16.3	19.7
4 21	15 52.06	−23 35.9	1.379	2.305	12.6	19.4
5 1	15 45.32	−23 8.9	1.306	2.283	8.2	19.0
5 11	15 36.44	−22 28.8	1.256	2.262	3.3	18.7
5 21	15 26.58	−21 38.4	1.231	2.240	2.7	18.6
5 31	15 17.17	−20 43.1	1.231	2.219	7.9	18.8
6 10	15 9.57	−19 50.1	1.255	2.199	12.9	19.1
6 20	15 4.70	−19 5.8	1.298	2.178	17.4	19.3

85157 1987 SP_5 5 15.9 178°.06 2°.8/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 3.66	−27 12.3	1.957	2.773	14.4	20.5
4 21	15 57.08	−27 24.6	1.874	2.775	11.2	20.3
5 1	15 48.00	−27 25.2	1.814	2.777	7.6	20.1
5 11	15 37.23	−27 13.0	1.780	2.778	4.0	19.8
5 21	15 25.86	−26 48.6	1.774	2.778	3.2	19.8
5 31	15 15.09	−26 15.3	1.796	2.778	6.5	20.0
6 10	15 6.01	−25 38.1	1.845	2.776	10.2	20.2
6 20	14 59.32	−25 2.3	1.916	2.774	13.6	20.4

224336 2005 UQ_{63} 5 15.9 40°.12 0°.5/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.18	−19 0.7	1.578	2.434	15.3	20.4
4 21	15 52.43	−18 50.0	1.511	2.439	11.5	20.1
5 1	15 45.17	−18 32.4	1.465	2.445	7.1	19.9
5 11	15 36.28	−18 9.9	1.444	2.451	2.4	19.6
5 21	15 26.87	−17 45.1	1.448	2.457	2.6	19.6
5 31	15 18.17	−17 22.1	1.479	2.463	7.3	19.9
6 10	15 11.23	−17 5.0	1.534	2.470	11.6	20.2
6 20	15 6.71	−16 56.6	1.610	2.477	15.3	20.4

488866 2005 SV_{100} 5 15.9 182°.47 4°.8/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.01	−35 7.6	2.698	3.476	11.8	21.7
4 21	15 53.22	−35 44.0	2.610	3.476	9.7	21.5
5 1	15 45.46	−36 8.3	2.545	3.476	7.4	21.4
5 11	15 36.37	−36 18.4	2.506	3.476	5.5	21.2
5 21	15 26.75	−36 13.8	2.495	3.476	4.9	21.2
5 31	15 17.53	−35 55.8	2.512	3.475	6.1	21.3
6 10	15 9.54	−35 28.0	2.555	3.474	8.3	21.4
6 20	15 3.38	−34 54.8	2.623	3.473	10.6	21.6

66225 1999 CL_{79} 5 15.9 68°.98 6°.5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.30	− 8 1.3	1.287	2.156	17.2	18.9
4 21	15 53.35	− 6 47.9	1.240	2.172	13.1	18.7
5 1	15 45.70	− 5 37.5	1.214	2.188	9.1	18.5
5 11	15 36.44	− 4 37.6	1.211	2.203	6.6	18.4
5 21	15 26.84	− 3 54.8	1.233	2.219	7.8	18.5
5 31	15 18.22	− 3 33.6	1.278	2.235	11.3	18.8
6 10	15 11.66	− 3 35.2	1.345	2.251	15.1	19.0
6 20	15 7.72	− 3 57.6	1.430	2.267	18.4	19.3

497640 2006 RB_{10} 5 15.9 267°.01 3°.4/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.13	−13 15.5	1.775	2.628	14.0	22.2
4 21	15 53.16	−12 25.1	1.677	2.604	10.7	22.0
5 1	15 45.74	−11 29.6	1.601	2.579	6.9	21.7
5 11	15 36.56	−10 33.1	1.551	2.553	3.7	21.4
5 21	15 26.57	− 9 40.7	1.529	2.527	4.8	21.4
5 31	15 16.92	− 8 57.6	1.532	2.500	8.8	21.6
6 10	15 8.71	− 8 28.3	1.561	2.473	13.0	21.8
6 20	15 2.72	− 8 15.2	1.610	2.445	16.8	22.0

281599 2008 UH_{175} 5 15.9 251°.78 1°.5/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.37	−18 47.7	1.991	2.838	13.0	20.6
4 21	15 50.68	−17 45.2	1.904	2.829	9.7	20.4
5 1	15 43.95	−16 33.4	1.840	2.819	6.0	20.1
5 11	15 35.87	−15 16.0	1.803	2.809	2.2	19.9
5 21	15 27.33	−13 57.8	1.795	2.800	3.1	19.9
5 31	15 19.29	−12 44.8	1.814	2.790	7.0	20.1
6 10	15 12.60	−11 42.1	1.859	2.779	10.8	20.3
6 20	15 7.87	−10 53.4	1.926	2.769	14.1	20.5

497395 2005 VL_{109} 5 15.9 215°.44 0°.4/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.96	−20 43.8	1.906	2.745	13.7	22.2
4 21	15 53.55	−20 44.2	1.822	2.741	10.4	22.0
5 1	15 45.82	−20 37.6	1.762	2.737	6.6	21.7
5 11	15 36.53	−20 24.7	1.727	2.733	2.3	21.4
5 21	15 26.64	−20 7.1	1.720	2.728	2.2	21.4
5 31	15 17.26	−19 47.8	1.740	2.724	6.5	21.7
6 10	15 9.38	−19 30.6	1.786	2.718	10.5	21.9
6 20	15 3.68	−19 18.7	1.854	2.713	13.9	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
34603 2000 TS_{60}			5 15.9 165°.52		3°.5/13.5 18	
	h m	° ′			°	m
4 11	15 55.05	− 7 7.9	2.801	3.637	9.9	19.1
4 21	15 49.77	− 6 46.5	2.727	3.641	7.6	18.9
5 1	15 43.09	− 6 27.6	2.678	3.645	5.2	18.8
5 11	15 35.54	− 6 13.5	2.657	3.648	3.6	18.7
5 21	15 27.71	− 6 6.3	2.665	3.651	4.2	18.7
5 31	15 20.25	− 6 7.6	2.701	3.654	6.4	18.9
6 10	15 13.74	− 6 18.2	2.764	3.656	8.8	19.0
6 20	15 8.59	− 6 38.1	2.851	3.657	11.0	19.2
379624 2011 DM_{8}			5 15.9 102°.96		5°.7/18.9 17	
4 11	16 3.11	−34 5.1	1.917	2.714	15.3	21.1
4 21	15 56.83	−34 48.0	1.849	2.728	12.4	21.0
5 1	15 47.91	−35 15.1	1.801	2.742	9.3	20.8
5 11	15 37.23	−35 23.4	1.779	2.756	6.6	20.7
5 21	15 25.99	−35 12.3	1.782	2.769	5.8	20.6
5 31	15 15.48	−34 44.4	1.813	2.782	7.6	20.8
6 10	15 6.85	−34 5.4	1.868	2.795	10.4	21.0
6 20	15 0.78	−33 21.9	1.947	2.808	13.2	21.2
471352 2011 QH_{78}			5 15.9 211°.36		6°.3/20.3 17	
4 11	16 1.50	−40 49.5	2.824	3.567	12.2	22.5
4 21	15 55.22	−41 32.3	2.728	3.561	10.3	22.4
5 1	15 46.80	−42 0.8	2.654	3.554	8.5	22.3
5 11	15 36.87	−42 12.1	2.605	3.547	6.9	22.1
5 21	15 26.30	−42 4.8	2.583	3.539	6.3	22.1
5 31	15 16.10	−41 40.2	2.588	3.530	7.1	22.1
6 10	15 7.20	−41 1.8	2.619	3.522	8.8	22.2
6 20	15 0.27	−40 14.6	2.675	3.513	10.8	22.3
293926 Harrystine			5 15.9 154°.90		0°.8/15.5 18	
4 11	16 0.69	−19 1.6	1.823	2.664	14.2	21.4
4 21	15 54.72	−18 33.5	1.750	2.672	10.7	21.2
5 1	15 46.45	−17 58.1	1.702	2.679	6.6	21.0
5 11	15 36.71	−17 17.6	1.679	2.686	2.2	20.7
5 21	15 26.54	−16 35.5	1.684	2.692	2.6	20.8
5 31	15 17.06	−15 56.1	1.717	2.697	6.9	21.0
6 10	15 9.21	−15 23.7	1.775	2.701	10.9	21.3
6 20	15 3.62	−15 1.4	1.856	2.705	14.3	21.5
375258 2008 GS_{105}			5 15.9 246°.47		1°.8/14.9 18	
4 11	15 58.65	−15 49.0	1.947	2.792	13.3	21.3
4 21	15 53.31	−15 25.2	1.853	2.776	10.0	21.1
5 1	15 45.71	−14 57.0	1.782	2.760	6.3	20.8
5 11	15 36.52	−14 26.4	1.738	2.743	2.5	20.6
5 21	15 26.67	−13 56.7	1.721	2.726	3.2	20.6
5 31	15 17.20	−13 31.4	1.732	2.708	7.3	20.8
6 10	15 9.10	−13 14.0	1.768	2.690	11.2	21.0
6 20	15 3.09	−13 6.9	1.827	2.671	14.7	21.2
497399 2005 VC_{125}			5 15.9 213°.32		3°.7/18.5 18	
4 11	15 59.54	−32 9.7	2.215	3.015	13.4	22.0
4 21	15 53.85	−32 0.3	2.121	3.009	10.7	21.8
5 1	15 45.94	−31 35.6	2.050	3.002	7.6	21.6
5 11	15 36.57	−30 54.9	2.005	2.994	4.7	21.4
5 21	15 26.67	−29 59.3	1.987	2.986	3.8	21.3
5 31	15 17.31	−28 52.9	1.997	2.977	6.1	21.4
6 10	15 9.43	−27 41.5	2.035	2.968	9.3	21.6
6 20	15 3.66	−26 31.3	2.097	2.958	12.4	21.8
75690 2000 AO_{103}			5 15.9 115°.83		4°.4/13.8 18	
4 11	15 59.21	− 9 31.5	1.694	2.547	14.5	19.9
4 21	15 53.60	− 8 53.3	1.633	2.559	11.0	19.7
5 1	15 45.74	− 8 16.6	1.596	2.570	7.3	19.5
5 11	15 36.47	− 7 45.4	1.583	2.580	4.6	19.4
5 21	15 26.82	− 7 23.8	1.597	2.591	5.5	19.4
5 31	15 17.89	− 7 14.8	1.638	2.601	8.8	19.6
6 10	15 10.62	− 7 20.0	1.702	2.610	12.4	19.9
6 20	15 5.57	− 7 39.3	1.788	2.620	15.5	20.1
327757 2006 UW_{7}			5 15.9 253°.10		0°.3/16.1 17	
4 11	16 0.82	−20 18.3	1.913	2.749	13.8	21.6
4 21	15 55.15	−20 19.6	1.812	2.730	10.6	21.3
5 1	15 46.98	−20 14.3	1.734	2.709	6.7	21.1
5 11	15 37.00	−20 2.7	1.682	2.688	2.3	20.7
5 21	15 26.16	−19 46.1	1.658	2.667	2.3	20.7
5 31	15 15.65	−19 27.5	1.662	2.644	6.8	20.9
6 10	15 6.58	−19 10.6	1.691	2.621	11.1	21.1
6 20	14 59.76	−18 59.1	1.743	2.598	14.9	21.3
37503 2288 $T\text{-}_{2}$			5 15.9 166°.07		0°.2/15.8 18	
4 11	15 55.17	−19 29.3	2.800	3.630	10.1	20.2
4 21	15 49.95	−19 15.9	2.719	3.634	7.6	20.0
5 1	15 43.25	−18 57.7	2.662	3.638	4.7	19.8
5 11	15 35.61	−18 35.9	2.634	3.641	1.6	19.6
5 21	15 27.68	−18 12.2	2.636	3.644	1.7	19.6
5 31	15 20.12	−17 49.0	2.666	3.646	4.8	19.8
6 10	15 13.57	−17 28.6	2.725	3.648	7.7	20.0
6 20	15 8.45	−17 13.2	2.807	3.650	10.2	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
217871 2001 QG_{191}			5 15.9 139°.11		11°.3/ 6.6 17	
	h m	° ′			°	m
4 11	15 56.16	+ 9 26.2	1.941	2.760	14.3	20.2
4 21	15 51.06	+11 29.4	1.898	2.768	12.6	20.0
5 1	15 44.06	+13 17.3	1.878	2.776	11.5	20.0
5 11	15 35.89	+14 41.7	1.882	2.783	11.4	20.0
5 21	15 27.43	+15 37.1	1.909	2.790	12.4	20.1
5 31	15 19.58	+16 1.0	1.959	2.797	14.0	20.2
6 10	15 13.13	+15 54.7	2.028	2.803	15.8	20.3
6 20	15 8.57	+15 22.1	2.114	2.809	17.5	20.5
165034 2000 DX_{60}			5 15.9 3°.99		9°.0/ 9.5 18	
4 11	15 53.46	+ 2 57.8	1.922	2.765	13.5	19.2
4 21	15 49.13	+ 4 25.4	1.864	2.765	11.3	19.1
5 1	15 42.92	+ 5 43.1	1.829	2.765	9.5	18.9
5 11	15 35.53	+ 6 44.1	1.818	2.765	9.0	18.9
5 21	15 27.78	+ 7 23.1	1.831	2.765	10.0	19.0
5 31	15 20.56	+ 7 37.3	1.869	2.766	11.9	19.1
6 10	15 14.65	+ 7 26.7	1.928	2.766	14.2	19.2
6 20	15 10.56	+ 6 53.7	2.005	2.767	16.4	19.4
88658 2001 RK_{74}			5 15.9 274°.20		1°.0/15.4 18	
4 11	15 56.54	−18 53.2	1.707	2.560	14.5	19.6
4 21	15 51.97	−18 20.4	1.622	2.549	10.9	19.4
5 1	15 44.97	−17 39.1	1.558	2.538	6.8	19.1
5 11	15 36.30	−16 52.1	1.520	2.527	2.3	18.8
5 21	15 26.99	−16 3.2	1.509	2.516	2.9	18.8
5 31	15 18.19	−15 17.4	1.523	2.505	7.5	19.0
6 10	15 10.96	−14 39.7	1.563	2.494	11.8	19.3
6 20	15 6.03	−14 13.7	1.623	2.483	15.5	19.5
125159 2001 UV_{93}			5 15.9 301°.98		3°.0/12.6 18	
4 11	15 47.70	− 4 16.9	4.247	5.081	6.9	19.3
4 21	15 43.97	− 3 56.2	4.166	5.076	5.3	19.2
5 1	15 39.41	− 3 38.2	4.112	5.072	3.9	19.1
5 11	15 34.31	− 3 24.7	4.086	5.067	3.0	19.0
5 21	15 29.04	− 3 17.0	4.089	5.063	3.5	19.0
5 31	15 23.97	− 3 16.2	4.121	5.058	4.9	19.1
6 10	15 19.43	− 3 22.9	4.179	5.054	6.4	19.2
6 20	15 15.70	− 3 37.1	4.261	5.049	7.9	19.3
120870 1998 RM_{16}			5 15.9 289°.37		1°.5/16.6 17	
4 11	15 58.45	−23 35.0	1.308	2.166	17.7	20.0
4 21	15 54.38	−23 28.5	1.219	2.147	13.7	19.7
5 1	15 46.99	−23 8.3	1.150	2.127	8.9	19.3
5 11	15 37.12	−22 34.3	1.103	2.108	3.6	19.0
5 21	15 26.09	−21 49.0	1.080	2.089	3.0	18.9
5 31	15 15.56	−20 57.9	1.081	2.069	8.6	19.1
6 10	15 7.12	−20 8.8	1.105	2.050	14.1	19.4
6 20	15 1.78	−19 28.8	1.148	2.031	18.9	19.6
93820 2000 WN_{70}			5 15.9 138°.97		2°.2/17.6 17	
4 11	15 58.29	−28 19.1	2.083	2.902	13.5	19.6
4 21	15 52.79	−27 53.6	2.006	2.909	10.5	19.4
5 1	15 45.20	−27 14.3	1.952	2.917	7.0	19.2
5 11	15 36.31	−26 22.2	1.924	2.924	3.5	19.0
5 21	15 27.06	−25 19.9	1.925	2.931	2.6	18.9
5 31	15 18.47	−24 12.2	1.953	2.937	5.8	19.2
6 10	15 11.39	−23 5.0	2.008	2.943	9.3	19.4
6 20	15 6.38	−22 3.4	2.087	2.949	12.5	19.6
393928 2005 UT_{105}			5 15.9 189°.24		1°.6/14.7 16	
4 11	15 53.18	−15 48.4	2.492	3.335	10.8	21.3
4 21	15 48.62	−15 12.1	2.412	3.335	8.0	21.1
5 1	15 42.50	−14 32.1	2.357	3.335	5.0	20.9
5 11	15 35.40	−13 50.8	2.329	3.334	2.1	20.7
5 21	15 27.97	−13 11.2	2.330	3.334	2.7	20.7
5 31	15 20.94	−12 36.4	2.360	3.333	5.8	20.9
6 10	15 14.97	−12 9.0	2.415	3.332	8.8	21.1
6 20	15 10.52	−11 50.9	2.495	3.332	11.5	21.3
330112 2005 XS_{36}			5 15.9 274°.37		1°.9/16.9 18	
4 11	15 58.91	−25 17.6	1.915	2.746	14.1	20.6
4 21	15 53.84	−25 13.4	1.808	2.720	10.9	20.3
5 1	15 46.24	−24 57.8	1.723	2.693	7.2	20.1
5 11	15 36.79	−24 30.4	1.664	2.666	3.3	19.8
5 21	15 26.46	−23 52.4	1.631	2.639	2.7	19.7
5 31	15 16.42	−23 7.4	1.626	2.611	6.7	19.8
6 10	15 7.84	−22 20.7	1.647	2.583	11.0	20.0
6 20	15 1.54	−21 37.9	1.690	2.554	14.8	20.2
319535 2006 RF_{63}			5 15.9 249°.97		2°.3/17.2 18	
4 11	15 57.62	−25 53.2	2.302	3.123	12.3	20.9
4 21	15 52.35	−26 8.7	2.208	3.113	9.6	20.7
5 1	15 45.03	−26 15.5	2.137	3.103	6.4	20.5
5 11	15 36.31	−26 13.0	2.093	3.093	3.3	20.3
5 21	15 27.00	−26 1.7	2.077	3.083	2.7	20.2
5 31	15 18.05	−25 43.7	2.090	3.072	5.7	20.4
6 10	15 10.36	−25 22.3	2.129	3.062	9.0	20.6
6 20	15 4.55	−25 1.3	2.191	3.051	12.0	20.8

4614 Masamura 5 15.9 294°.11 3°.5/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 56.51	−14 48.2	1.354	2.223	16.5	16.7
4 21	15 52.65	−13 57.2	1.262	2.198	12.6	16.4
5 1	15 45.80	−12 58.2	1.191	2.173	8.1	16.0
5 11	15 36.71	−11 55.9	1.144	2.148	3.9	15.7
5 21	15 26.55	−10 56.7	1.121	2.123	5.2	15.7
5 31	15 16.81	−10 7.8	1.122	2.098	10.2	15.9
6 10	15 8.89	− 9 35.5	1.145	2.074	15.3	16.1
6 20	15 3.75	− 9 22.9	1.187	2.049	19.8	16.3

205134 1999 VQ_{181} 5 15.9 237°.75 0°.4/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.56	−18 29.0	3.890	4.718	7.6	22.4
4 21	15 46.24	−18 10.8	3.789	4.704	5.6	22.2
5 1	15 40.88	−17 49.2	3.715	4.691	3.5	22.0
5 11	15 34.85	−17 25.4	3.670	4.676	1.2	21.8
5 21	15 28.56	−17 0.8	3.655	4.662	1.4	21.8
5 31	15 22.48	−16 36.9	3.670	4.647	3.7	22.0
6 10	15 17.03	−16 15.6	3.713	4.632	5.9	22.1
6 20	15 12.55	−15 58.3	3.781	4.617	7.9	22.3

56680 2000 LM_8 5 15.9 277°.78 4°.4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.13	− 8 15.0	1.826	2.675	13.8	18.1
4 21	15 53.86	− 7 56.3	1.730	2.652	10.7	17.9
5 1	15 46.19	− 7 40.2	1.656	2.629	7.3	17.6
5 11	15 36.78	− 7 30.1	1.608	2.605	4.6	17.4
5 21	15 26.54	− 7 29.4	1.587	2.580	5.5	17.4
5 31	15 16.60	− 7 40.8	1.592	2.556	9.0	17.6
6 10	15 8.03	− 8 5.5	1.622	2.531	12.8	17.7
6 20	15 1.62	− 8 43.7	1.674	2.506	16.3	17.9

350130 2011 RH_2 5 15.9 159°.59 4°.5/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.81	−35 17.5	2.751	3.527	11.7	22.2
4 21	15 52.98	−35 39.7	2.666	3.532	9.5	22.1
5 1	15 45.28	−35 49.2	2.605	3.537	7.2	22.0
5 11	15 36.37	−35 44.5	2.570	3.542	5.2	21.8
5 21	15 27.03	−35 25.6	2.562	3.546	4.6	21.8
5 31	15 18.15	−34 54.5	2.583	3.549	5.8	21.9
6 10	15 10.50	−34 14.9	2.631	3.553	8.0	22.0
6 20	15 4.64	−33 31.3	2.703	3.556	10.2	22.2

127050 2002 GT_{44} 5 15.9 59°.62 0°.4/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.38	−19 59.8	1.829	2.677	13.9	20.3
4 21	15 51.60	−19 36.2	1.753	2.677	10.4	20.1
5 1	15 44.61	−19 4.8	1.700	2.678	6.5	19.9
5 11	15 36.17	−18 27.5	1.672	2.679	2.2	19.6
5 21	15 27.24	−17 47.6	1.671	2.680	2.4	19.6
5 31	15 18.90	−17 9.2	1.698	2.681	6.7	19.9
6 10	15 12.08	−16 36.8	1.749	2.681	10.6	20.1
6 20	15 7.40	−16 13.4	1.822	2.682	14.1	20.3

414152 2007 WM_{26} 5 15.9 346°.85 1°.9/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.06	−14 39.7	1.292	2.159	17.3	20.5
4 21	15 54.48	−14 46.2	1.221	2.156	13.1	20.3
5 1	15 46.82	−14 51.2	1.171	2.153	8.2	20.0
5 11	15 37.01	−14 56.6	1.144	2.150	3.1	19.7
5 21	15 26.37	−15 4.5	1.141	2.148	3.7	19.7
5 31	15 16.43	−15 17.5	1.163	2.146	8.9	20.0
6 10	15 8.54	−15 37.9	1.207	2.145	13.8	20.3
6 20	15 3.58	−16 7.1	1.270	2.145	18.1	20.5

235173 2003 SW_{60} 5 15.9 201°.99 1°.6/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.90	−25 23.9	2.422	3.241	11.8	21.4
4 21	15 52.37	−25 19.4	2.332	3.237	9.1	21.2
5 1	15 44.95	−25 5.7	2.266	3.233	6.0	21.0
5 11	15 36.28	−24 43.0	2.226	3.228	2.8	20.8
5 21	15 27.15	−24 12.7	2.216	3.223	2.2	20.7
5 31	15 18.44	−23 37.5	2.234	3.217	5.3	20.9
6 10	15 10.96	−23 1.4	2.279	3.210	8.6	21.1
6 20	15 5.26	−22 28.1	2.349	3.203	11.5	21.3

491436 2012 FY_{25} 5 15.9 145°.41 2°.0/14.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.34	−16 2.4	1.907	2.752	13.5	22.9
4 21	15 53.58	−15 22.8	1.838	2.761	10.1	22.7
5 1	15 45.70	−14 38.3	1.793	2.771	6.3	22.5
5 11	15 36.51	−13 52.1	1.774	2.779	2.6	22.2
5 21	15 26.96	−13 8.1	1.783	2.787	3.3	22.3
5 31	15 18.06	−12 30.4	1.820	2.795	7.1	22.6
6 10	15 10.68	−12 2.5	1.883	2.801	10.8	22.8
6 20	15 5.38	−11 46.5	1.968	2.808	14.0	23.0

130549 2000 RT 5 15.9 171°.75 2°.0/14.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 0.88	−15 14.2	1.858	2.702	13.9	20.9
4 21	15 54.87	−14 48.0	1.783	2.705	10.4	20.7
5 1	15 46.59	−14 17.8	1.731	2.709	6.5	20.5
5 11	15 36.84	−13 46.5	1.706	2.711	2.7	20.2
5 21	15 26.61	−13 17.3	1.709	2.713	3.4	20.3
5 31	15 16.99	−12 53.7	1.739	2.714	7.4	20.5
6 10	15 8.93	−12 38.9	1.795	2.714	11.2	20.7
6 20	15 3.06	−12 34.9	1.873	2.714	14.5	20.9

499333 2009 WU_{189} 5 15.9 217°.26 0°.3/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 57.81	−22 2.3	2.120	2.953	12.8	22.0
4 21	15 52.50	−21 37.8	2.030	2.946	9.7	21.8
5 1	15 45.12	−21 4.3	1.964	2.939	6.1	21.6
5 11	15 36.36	−20 23.2	1.925	2.931	2.1	21.3
5 21	15 27.09	−19 37.1	1.914	2.923	2.0	21.3
5 31	15 18.29	−18 50.1	1.932	2.914	6.0	21.5
6 10	15 10.84	−18 6.5	1.975	2.905	9.8	21.7
6 20	15 5.35	−17 30.2	2.042	2.895	13.0	21.9

83727 2001 TO_{105} 5 15.9 229°.76 1°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.91	−22 18.2	2.499	3.323	11.3	19.7
4 21	15 52.37	−22 34.2	2.405	3.315	8.7	19.5
5 1	15 44.97	−22 44.4	2.336	3.307	5.6	19.3
5 11	15 36.31	−22 48.7	2.295	3.299	2.3	19.1
5 21	15 27.13	−22 47.6	2.282	3.290	1.9	19.0
5 31	15 18.27	−22 42.8	2.299	3.281	5.2	19.2
6 10	15 10.53	−22 36.8	2.342	3.272	8.5	19.4
6 20	15 4.49	−22 32.2	2.410	3.262	11.3	19.6

381538 2008 SS_{301} 5 15.9 158°.77 4°.7/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.72	− 6 14.7	2.381	3.222	11.3	21.4
4 21	15 50.47	− 5 18.8	2.313	3.228	8.7	21.3
5 1	15 43.64	− 4 25.2	2.270	3.234	6.2	21.1
5 11	15 35.81	− 3 38.2	2.254	3.239	4.7	21.0
5 21	15 27.70	− 3 1.2	2.267	3.244	5.6	21.1
5 31	15 20.06	− 2 37.2	2.307	3.248	7.9	21.2
6 10	15 13.54	− 2 27.5	2.372	3.252	10.5	21.4
6 20	15 8.61	− 2 32.2	2.460	3.256	12.8	21.6

366594 2002 UW_{27} 5 15.9 202°.43 0°.6/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.04	−19 8.2	2.102	2.939	12.7	22.3
4 21	15 53.38	−18 42.4	2.016	2.935	9.6	22.1
5 1	15 45.65	−18 9.8	1.953	2.930	5.9	21.9
5 11	15 36.54	−17 32.2	1.917	2.924	2.0	21.6
5 21	15 26.94	−16 52.4	1.910	2.918	2.3	21.6
5 31	15 17.81	−16 14.2	1.931	2.911	6.3	21.8
6 10	15 10.05	−15 41.5	1.979	2.903	10.1	22.0
6 20	15 4.25	−15 17.4	2.049	2.895	13.3	22.2

224268 2005 ST_{281} 5 15.9 161°.48 0°.1/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.09	−19 28.9	1.889	2.731	13.8	21.2
4 21	15 53.59	−19 22.7	1.813	2.734	10.4	20.9
5 1	15 45.85	−19 10.2	1.760	2.737	6.4	20.7
5 11	15 36.62	−18 52.6	1.733	2.739	2.2	20.4
5 21	15 26.89	−18 32.0	1.733	2.741	2.2	20.4
5 31	15 17.74	−18 11.6	1.761	2.743	6.5	20.7
6 10	15 10.10	−17 54.9	1.814	2.745	10.4	20.9
6 20	15 4.63	−17 44.9	1.890	2.746	13.8	21.2

450839 2007 VB_{246} 5 15.9 219°.96 1°.7/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 50.35	−11 30.5	4.086	4.919	7.1	23.0
4 21	15 46.01	−11 12.5	3.993	4.910	5.3	22.9
5 1	15 40.73	−10 54.4	3.928	4.901	3.4	22.8
5 11	15 34.83	−10 37.5	3.891	4.891	1.9	22.6
5 21	15 28.72	−10 23.1	3.884	4.881	2.3	22.6
5 31	15 22.79	−10 12.7	3.907	4.870	4.2	22.8
6 10	15 17.46	−10 7.3	3.958	4.860	6.1	22.9
6 20	15 13.01	−10 7.7	4.034	4.849	7.9	23.0

262580 2006 VQ_{71} 5 15.9 334°.87 1°.5/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.58	−15 52.9	1.167	2.047	17.9	19.8
4 21	15 51.56	−16 0.3	1.088	2.030	13.6	19.5
5 1	15 45.30	−16 4.9	1.029	2.013	8.6	19.2
5 11	15 36.62	−16 8.5	0.991	1.998	3.1	18.8
5 21	15 26.82	−16 13.6	0.976	1.985	3.6	18.8
5 31	15 17.56	−16 23.2	0.984	1.972	9.4	19.1
6 10	15 10.37	−16 40.7	1.013	1.961	14.8	19.3
6 20	15 6.27	−17 8.0	1.060	1.951	19.5	19.6

388868 2008 QH_{20} 5 15.9 260°.62 4°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 1.32	−29 59.2	2.098	2.906	13.8	21.2
4 21	15 55.61	−30 32.2	1.994	2.886	11.1	21.0
5 1	15 47.36	−30 54.1	1.912	2.866	7.9	20.8
5 11	15 37.24	−31 2.4	1.855	2.845	5.0	20.5
5 21	15 26.21	−30 56.1	1.826	2.823	4.3	20.4
5 31	15 15.45	−30 36.7	1.824	2.801	6.9	20.6
6 10	15 6.13	−30 8.3	1.849	2.779	10.3	20.7
6 20	14 59.07	−29 36.3	1.896	2.756	13.6	20.9

232912 2004 YR_3 5 15.9 139°.82 0°.1/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.82	−20 4.3	1.987	2.829	13.2	21.0
4 21	15 51.79	−19 50.2	1.910	2.831	9.9	20.8
5 1	15 44.69	−19 29.2	1.856	2.833	6.2	20.6
5 11	15 36.24	−19 2.8	1.829	2.835	2.1	20.3
5 21	15 27.33	−18 33.5	1.829	2.837	2.1	20.3
5 31	15 18.96	−18 4.6	1.856	2.839	6.2	20.6
6 10	15 12.00	−17 39.9	1.909	2.841	10.0	20.8
6 20	15 7.05	−17 22.4	1.985	2.843	13.2	21.0

130483 2000 QX_{100} 5 15.9 174°.35 4°.7/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 59.39	− 9 25.3	1.653	2.507	14.8	19.8
4 21	15 53.94	− 8 38.7	1.584	2.509	11.3	19.6
5 1	15 46.12	− 7 52.5	1.537	2.511	7.6	19.4
5 11	15 36.73	− 7 11.9	1.516	2.512	4.9	19.2
5 21	15 26.84	− 6 41.3	1.521	2.513	5.9	19.3
5 31	15 17.60	− 6 24.7	1.551	2.513	9.4	19.5
6 10	15 10.02	− 6 24.2	1.606	2.513	13.1	19.7
6 20	15 4.73	− 6 39.8	1.681	2.512	16.4	19.9

201730 2003 US_{224} 5 15.9 233°.39 1°.6/16.9 18

4 11	15 57.80	−24 57.7	2.323	3.146	12.2	20.9
4 21	15 52.45	−24 54.8	2.227	3.135	9.4	20.7
5 1	15 45.11	−24 42.8	2.155	3.123	6.1	20.5
5 11	15 36.41	−24 21.7	2.109	3.111	2.8	20.3
5 21	15 27.15	−23 52.9	2.092	3.099	2.2	20.2
5 31	15 18.28	−23 19.1	2.103	3.086	5.6	20.4
6 10	15 10.64	−22 44.3	2.141	3.073	9.0	20.6
6 20	15 4.85	−22 12.3	2.203	3.059	12.1	20.8

342830 2008 XQ_{36} 5 15.9 183°.74 0°.8/16.5 17

4 11	15 57.31	−22 24.1	2.156	2.989	12.6	21.9
4 21	15 52.08	−22 17.2	2.074	2.990	9.6	21.7
5 1	15 44.84	−22 2.3	2.016	2.990	6.1	21.5
5 11	15 36.30	−21 40.3	1.984	2.989	2.3	21.2
5 21	15 27.30	−21 13.0	1.980	2.989	2.0	21.2
5 31	15 18.78	−20 43.6	2.004	2.988	5.7	21.4
6 10	15 11.59	−20 15.6	2.055	2.987	9.3	21.7
6 20	15 6.32	−19 52.5	2.128	2.986	12.4	21.9

305370 2008 CQ_{3} 5 15.9 340°.09 4°.9/12.7 17

4 11	15 53.49	− 6 8.4	2.194	3.044	11.8	20.6
4 21	15 49.03	− 5 22.7	2.122	3.042	9.1	20.5
5 1	15 42.87	− 4 39.9	2.075	3.041	6.5	20.3
5 11	15 35.62	− 4 4.1	2.053	3.040	4.9	20.2
5 21	15 28.01	− 3 38.8	2.059	3.039	5.8	20.2
5 31	15 20.84	− 3 26.8	2.091	3.038	8.2	20.4
6 10	15 14.82	− 3 29.3	2.147	3.037	11.0	20.6
6 20	15 10.45	− 3 46.0	2.225	3.037	13.5	20.7

294865 2008 CT_{198} 5 15.9 353°.61 3°.4/14.2 17

4 11	15 54.14	−14 55.8	1.338	2.211	16.4	20.2
4 21	15 50.56	−13 58.7	1.270	2.208	12.4	20.0
5 1	15 44.26	−12 55.2	1.223	2.205	7.8	19.7
5 11	15 36.17	−11 50.8	1.199	2.203	3.8	19.5
5 21	15 27.46	−10 52.1	1.200	2.202	5.0	19.5
5 31	15 19.48	−10 5.7	1.225	2.201	9.5	19.8
6 10	15 13.37	− 9 36.4	1.272	2.201	14.0	20.0
6 20	15 9.83	− 9 25.9	1.338	2.202	17.9	20.3

202727 2007 HP_{90} 5 15.9 315°.60 3°.3/14.9 17

4 11	15 58.10	−12 49.1	1.168	2.044	18.1	20.0
4 21	15 54.18	−12 41.0	1.092	2.030	13.9	19.7
5 1	15 46.92	−12 32.5	1.034	2.017	8.9	19.4
5 11	15 37.19	−12 27.0	0.999	2.004	4.1	19.1
5 21	15 26.35	−12 28.0	0.986	1.991	5.0	19.1
5 31	15 16.10	−12 39.2	0.997	1.979	10.3	19.3
6 10	15 7.98	−13 3.1	1.029	1.968	15.6	19.6
6 20	15 3.02	−13 40.5	1.078	1.957	20.2	19.8

43904 1995 WO 5 15.9 287°.66 3°.6/13.8 18

4 11	15 56.91	−14 25.4	1.593	2.452	15.0	18.9
4 21	15 52.62	−13 21.4	1.491	2.422	11.4	18.6
5 1	15 45.65	−12 8.8	1.412	2.392	7.4	18.3
5 11	15 36.72	−10 52.4	1.358	2.361	3.9	18.0
5 21	15 26.82	− 9 38.5	1.330	2.329	5.2	18.0
5 31	15 17.23	− 8 34.5	1.328	2.298	9.7	18.2
6 10	15 9.18	− 7 46.7	1.349	2.266	14.3	18.3
6 20	15 3.56	− 7 18.5	1.389	2.234	18.5	18.5

517574 2014 UW_{85} 5 15.9 137°.13 0°.1/16.1 18

4 11	15 47.80	−20 24.7	4.667	5.492	6.4	21.8
4 21	15 44.05	−20 14.8	4.583	5.495	4.8	21.7
5 1	15 39.49	−20 1.8	4.525	5.499	3.0	21.6
5 11	15 34.44	−19 46.5	4.496	5.502	1.0	21.4
5 21	15 29.22	−19 29.9	4.497	5.506	1.0	21.4
5 31	15 24.20	−19 13.1	4.528	5.509	2.9	21.6
6 10	15 19.70	−18 57.5	4.587	5.512	4.8	21.7
6 20	15 16.00	−18 44.2	4.672	5.516	6.4	21.8

410246 2007 TL_{67} 5 15.9 191°.85 3°.7/13.9 16

4 11	15 59.00	−12 7.9	1.749	2.600	14.2	21.8
4 21	15 53.60	−11 17.1	1.674	2.600	10.8	21.6
5 1	15 45.90	−10 23.7	1.622	2.598	7.0	21.3
5 11	15 36.68	− 9 32.2	1.596	2.596	4.0	21.2
5 21	15 26.96	− 8 47.4	1.597	2.593	5.0	21.2
5 31	15 17.83	− 8 14.0	1.625	2.590	8.6	21.4
6 10	15 10.26	− 7 55.0	1.677	2.587	12.4	21.6
6 20	15 4.92	− 7 51.7	1.750	2.583	15.7	21.8

297959 2002 GA_{147} 5 15.9 102°.49 1°.7/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 58.10	−24 2.9	2.497	3.317	11.5	20.9
4 21	15 52.41	−24 25.8	2.422	3.328	8.8	20.7
5 1	15 44.95	−24 41.9	2.371	3.339	5.7	20.6
5 11	15 36.33	−24 50.8	2.348	3.349	2.7	20.4
5 21	15 27.32	−24 52.9	2.353	3.360	2.2	20.3
5 31	15 18.76	−24 49.8	2.388	3.370	5.1	20.6
6 10	15 11.40	−24 44.0	2.449	3.380	8.1	20.8
6 20	15 5.76	−24 38.5	2.535	3.390	10.8	20.9

470584 2008 JG_{13} 5 15.9 186°.16 7°.4/ 8.1 18

4 11	15 52.81	+ 5 51.8	2.884	3.700	10.2	21.6
4 21	15 48.13	+ 7 20.1	2.822	3.699	8.7	21.5
5 1	15 42.15	+ 8 40.1	2.786	3.699	7.6	21.4
5 11	15 35.36	+ 9 47.0	2.777	3.697	7.4	21.4
5 21	15 28.32	+10 37.2	2.794	3.696	8.2	21.4
5 31	15 21.61	+11 8.1	2.836	3.694	9.6	21.5
6 10	15 15.79	+11 19.6	2.901	3.692	11.2	21.6
6 20	15 11.24	+11 12.8	2.986	3.689	12.7	21.8

477997 2011 SO_{134} 5 15.9 250°.21 2°.8/13.9 16

4 11	15 53.90	−12 48.5	2.328	3.175	11.3	22.3
4 21	15 49.34	−12 0.8	2.242	3.166	8.5	22.1
5 1	15 43.09	−11 10.3	2.180	3.157	5.5	21.9
5 11	15 35.72	−10 20.5	2.146	3.147	3.0	21.8
5 21	15 27.94	− 9 35.0	2.140	3.137	3.9	21.8
5 31	15 20.55	− 8 57.4	2.162	3.127	6.8	22.0
6 10	15 14.25	− 8 30.5	2.210	3.117	9.9	22.1
6 20	15 9.56	− 8 15.9	2.280	3.107	12.7	22.3

94528 2001 UO_{142} 5 15.9 351°.89 1°.0/16.3 17

4 11	15 59.61	−19 57.3	1.177	2.045	18.6	19.4
4 21	15 55.32	−20 25.2	1.108	2.041	14.2	19.1
5 1	15 47.59	−20 46.6	1.058	2.039	9.0	18.8
5 11	15 37.40	−21 0.9	1.030	2.037	3.3	18.4
5 21	15 26.22	−21 8.6	1.026	2.035	3.0	18.4
5 31	15 15.80	−21 12.4	1.045	2.034	8.8	18.7
6 10	15 7.70	−21 16.6	1.086	2.034	14.1	19.0
6 20	15 2.88	−21 25.4	1.146	2.035	18.6	19.3

465283 2007 TZ_{211} 5 15.9 226°.04 1°.1/16.6 17

4 11	16 1.05	−23 30.3	1.883	2.714	14.2	22.2
4 21	15 55.32	−23 17.4	1.790	2.703	10.9	22.0
5 1	15 47.10	−22 53.9	1.719	2.692	7.0	21.7
5 11	15 37.15	−22 20.2	1.674	2.679	2.8	21.5
5 21	15 26.48	−21 38.4	1.657	2.666	2.3	21.4
5 31	15 16.30	−20 52.6	1.668	2.652	6.7	21.6
6 10	15 7.68	−20 8.3	1.704	2.637	10.9	21.8
6 20	15 1.37	−19 30.2	1.764	2.621	14.6	22.0

71075 1999 XB_{117} 5 15.9 209°.18 1°.0/16.5 18

4 11	16 0.23	−21 32.9	2.377	3.202	11.9	19.8
4 21	15 54.20	−21 50.3	2.286	3.196	9.0	19.6
5 1	15 46.18	−22 2.2	2.218	3.190	5.8	19.4
5 11	15 36.80	−22 8.4	2.179	3.183	2.3	19.2
5 21	15 26.86	−22 9.3	2.168	3.176	2.0	19.1
5 31	15 17.27	−22 6.5	2.186	3.168	5.5	19.3
6 10	15 8.89	−22 2.8	2.232	3.160	8.9	19.5
6 20	15 2.35	−22 0.7	2.302	3.152	11.9	19.7

317835 2003 SH_{333} 5 15.9 250°.64 3°.5/17.6 17

4 11	16 1.01	−28 5.8	1.702	2.529	15.7	21.3
4 21	15 55.71	−28 18.9	1.610	2.516	12.4	21.1
5 1	15 47.57	−28 18.5	1.539	2.503	8.5	20.8
5 11	15 37.36	−28 2.9	1.492	2.490	4.7	20.6
5 21	15 26.26	−27 32.3	1.472	2.476	3.8	20.5
5 31	15 15.65	−26 50.4	1.477	2.461	7.4	20.6
6 10	15 6.82	−26 3.3	1.508	2.447	11.6	20.8
6 20	15 0.65	−25 17.6	1.561	2.432	15.4	21.0

237382 1995 VV_{18} 5 15.9 58°.16 1°.6/16.6 18

4 11	16 2.13	−21 54.5	1.339	2.192	17.7	20.1
4 21	15 56.88	−22 18.9	1.268	2.193	13.5	19.8
5 1	15 48.40	−22 34.8	1.217	2.194	8.7	19.5
5 11	15 37.65	−22 41.0	1.190	2.195	3.5	19.2
5 21	15 26.04	−22 38.3	1.187	2.196	3.0	19.2
5 31	15 15.19	−22 29.7	1.210	2.197	8.1	19.5
6 10	15 6.54	−22 20.1	1.255	2.198	13.0	19.8
6 20	15 0.96	−22 14.5	1.321	2.199	17.3	20.0

399075 2014 CJ_{23} 5 15.9 91°.12 8°.0/10.6 18

4 11	15 54.51	+ 3 48.1	2.185	3.017	12.5	20.2
4 21	15 49.74	+ 4 46.9	2.127	3.021	10.4	20.1
5 1	15 43.28	+ 5 35.4	2.091	3.024	8.7	20.0
5 11	15 35.78	+ 6 8.4	2.081	3.028	8.0	20.0
5 21	15 27.97	+ 6 22.5	2.096	3.032	8.8	20.0
5 31	15 20.66	+ 6 15.9	2.136	3.035	10.5	20.1
6 10	15 14.53	+ 5 49.0	2.198	3.039	12.6	20.3
6 20	15 10.06	+ 5 4.2	2.281	3.043	14.7	20.4

64680 2001 XJ_{70} 5 15.9 52°.02 3°.2/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 1.35	−10 5.9	1.542	2.397	15.6	18.8
4 21	15 55.56	−10 19.0	1.481	2.407	11.8	18.6
5 1	15 47.19	−10 35.5	1.441	2.418	7.6	18.4
5 11	15 37.15	−10 57.4	1.427	2.429	3.8	18.2
5 21	15 26.61	−11 25.8	1.439	2.440	4.4	18.2
5 31	15 16.82	−12 1.4	1.477	2.452	8.3	18.5
6 10	15 8.86	−12 44.7	1.539	2.464	12.4	18.7
6 20	15 3.40	−13 35.0	1.623	2.476	15.8	19.0

483378 2016 TJ_{9} 5 15.9 242°.36 3°.0/13.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 52.87	−13 10.9	2.513	3.359	10.6	21.2
4 21	15 48.41	−11 53.8	2.430	3.354	8.0	21.0
5 1	15 42.43	−10 32.7	2.373	3.349	5.2	20.8
5 11	15 35.49	− 9 11.9	2.345	3.343	3.1	20.7
5 21	15 28.25	− 7 55.8	2.346	3.338	4.1	20.7
5 31	15 21.41	− 6 48.8	2.375	3.333	6.8	20.9
6 10	15 15.58	− 5 54.4	2.431	3.327	9.6	21.1
6 20	15 11.24	− 5 14.4	2.509	3.322	12.1	21.2

311335 2005 OP_{28} 5 15.9 223°.61 4°.3/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.80	−36 33.1	3.081	3.847	10.8	21.9
4 21	15 52.15	−36 37.2	2.977	3.835	8.9	21.8
5 1	15 44.80	−36 28.4	2.896	3.823	6.8	21.6
5 11	15 36.32	−36 5.5	2.842	3.811	4.9	21.5
5 21	15 27.41	−35 28.8	2.815	3.798	4.3	21.4
5 31	15 18.86	−34 40.4	2.818	3.784	5.4	21.5
6 10	15 11.39	−33 44.1	2.849	3.770	7.4	21.6
6 20	15 5.53	−32 44.2	2.905	3.756	9.6	21.7

302205 2001 UM_{133} 5 15.9 293°.04 1°.2/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 57.01	−19 30.4	1.308	2.174	17.2	20.8
4 21	15 53.18	−18 52.9	1.221	2.155	13.1	20.5
5 1	15 46.22	−18 3.3	1.154	2.137	8.2	20.1
5 11	15 36.97	−17 4.5	1.111	2.118	2.8	19.8
5 21	15 26.69	−16 1.6	1.091	2.099	3.5	19.7
5 31	15 16.95	−15 2.1	1.096	2.080	9.2	20.0
6 10	15 9.18	−14 13.3	1.122	2.062	14.5	20.2
6 20	15 4.33	−13 40.6	1.168	2.044	19.2	20.5

211441 2003 AC_{51} 5 15.9 128°.44 4°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.87	− 7 17.9	2.268	3.112	11.7	20.0
4 21	15 50.74	− 6 52.9	2.198	3.117	8.9	19.8
5 1	15 43.91	− 6 30.8	2.152	3.121	6.1	19.6
5 11	15 36.00	− 6 14.6	2.133	3.125	4.2	19.5
5 21	15 27.76	− 6 6.9	2.141	3.129	4.9	19.5
5 31	15 19.98	− 6 9.6	2.177	3.133	7.4	19.7
6 10	15 13.36	− 6 23.7	2.239	3.137	10.2	19.9
6 20	15 8.40	− 6 48.9	2.323	3.141	12.8	20.1

60529 2000 EU_{47} 5 15.9 352°.15 2°.4/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.79	−17 19.3	1.165	2.042	18.1	19.0
4 21	15 52.21	−16 31.4	1.099	2.039	13.6	18.7
5 1	15 45.50	−15 33.8	1.053	2.037	8.5	18.4
5 11	15 36.67	−14 31.7	1.029	2.035	3.3	18.1
5 21	15 27.09	−13 31.6	1.028	2.034	4.4	18.2
5 31	15 18.35	−12 41.3	1.050	2.033	9.8	18.5
6 10	15 11.80	−12 6.7	1.094	2.033	14.9	18.8
6 20	15 8.20	−11 50.9	1.156	2.034	19.2	19.0

499069 2009 EH 5 15.9 84°.03 0°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 1.24	−18 39.8	2.395	3.221	11.7	21.2
4 21	15 54.50	−18 47.1	2.343	3.256	8.7	21.0
5 1	15 46.08	−18 50.1	2.317	3.291	5.4	20.8
5 11	15 36.69	−18 49.5	2.318	3.325	1.8	20.7
5 21	15 27.14	−18 46.5	2.350	3.358	1.8	20.7
5 31	15 18.23	−18 42.9	2.410	3.390	5.2	21.0
6 10	15 10.67	−18 41.1	2.499	3.422	8.3	21.2
6 20	15 4.90	−18 42.7	2.611	3.454	10.9	21.5

215586 2003 GB_{43} 5 15.9 7°.53 5°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 58.02	− 3 54.8	1.637	2.491	14.9	19.0
4 21	15 52.97	− 4 5.5	1.571	2.492	11.6	18.8
5 1	15 45.57	− 4 25.6	1.527	2.495	8.2	18.6
5 11	15 36.63	− 4 58.0	1.507	2.499	5.7	18.4
5 21	15 27.16	− 5 43.8	1.514	2.503	6.3	18.5
5 31	15 18.30	− 6 42.9	1.546	2.509	9.3	18.7
6 10	15 11.04	− 7 53.7	1.602	2.515	12.7	18.9
6 20	15 6.05	− 9 13.7	1.680	2.522	15.9	19.1

409267 2004 RL_{17} 5 15.9 231°.71 2°.5/17.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 3.95	−25 39.2	1.882	2.704	14.6	22.3
4 21	15 57.71	−25 56.3	1.784	2.689	11.4	22.0
5 1	15 48.75	−26 3.2	1.708	2.674	7.7	21.7
5 11	15 37.79	−25 58.4	1.658	2.658	3.8	21.5
5 21	15 25.92	−25 42.1	1.635	2.641	3.1	21.4
5 31	15 14.43	−25 16.6	1.640	2.623	6.9	21.6
6 10	15 4.56	−24 46.9	1.672	2.604	11.1	21.8
6 20	14 57.17	−24 18.3	1.726	2.585	14.8	22.0

277013 2005 AW_{16} 5 15.9 223°.40 5°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	15 56.88	− 2 2.2	2.295	3.131	11.8	20.6
4 21	15 51.56	− 1 18.9	2.215	3.122	9.4	20.4
5 1	15 44.48	− 0 41.1	2.159	3.113	7.2	20.3
5 11	15 36.23	− 0 13.2	2.129	3.103	6.0	20.2
5 21	15 27.55	+ 0 1.6	2.127	3.093	6.8	20.2
5 31	15 19.26	+ 0 0.9	2.152	3.082	9.0	20.3
6 10	15 12.09	− 0 16.0	2.201	3.071	11.5	20.5
6 20	15 6.59	− 0 48.1	2.272	3.060	14.0	20.6

506750 2006 VM_{80} 5 15.9 105°.85 2°.3/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 55.78	−12 17.9	2.277	3.122	11.6	21.4
4 21	15 50.74	−12 6.2	2.201	3.124	8.7	21.2
5 1	15 43.96	−11 54.3	2.150	3.126	5.5	21.0
5 11	15 36.04	−11 44.1	2.126	3.129	2.7	20.8
5 21	15 27.75	−11 37.9	2.130	3.131	3.3	20.8
5 31	15 19.90	−11 37.5	2.162	3.133	6.4	21.0
6 10	15 13.21	−11 44.6	2.220	3.135	9.5	21.2
6 20	15 8.21	−11 59.9	2.301	3.138	12.3	21.4

480641 2015 NJ_{14} 5 16.0 328°.90 1°.4/15.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.79	−15 31.2	2.041	2.891	12.5	20.7
4 21	15 50.31	−15 24.6	1.957	2.883	9.4	20.5
5 1	15 43.85	−15 15.4	1.897	2.875	5.9	20.2
5 11	15 36.05	−15 5.3	1.862	2.868	2.2	20.0
5 21	15 27.73	−14 56.5	1.855	2.861	2.7	20.0
5 31	15 19.81	−14 51.3	1.876	2.855	6.5	20.2
6 10	15 13.16	−14 52.1	1.921	2.849	10.1	20.4
6 20	15 8.38	−15 0.4	1.989	2.843	13.3	20.6

400517 2008 SP_{119} 5 16.0 197°.19 0°.1/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 2.18	−20 26.4	1.745	2.584	14.8	22.5
4 21	15 56.20	−20 9.2	1.662	2.581	11.2	22.3
5 1	15 47.66	−19 43.5	1.602	2.578	7.0	22.0
5 11	15 37.37	−19 10.4	1.567	2.574	2.4	21.7
5 21	15 26.43	−18 32.9	1.560	2.569	2.4	21.7
5 31	15 16.09	−17 55.3	1.581	2.563	7.2	22.0
6 10	15 7.45	−17 22.4	1.627	2.557	11.5	22.2
6 20	15 1.25	−16 58.2	1.695	2.549	15.2	22.4

440893 2006 UE_{144} 5 16.0 187°.10 0°.4/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 54.92	−22 53.0	3.015	3.836	9.7	22.2
4 21	15 49.76	−22 25.0	2.926	3.835	7.3	22.0
5 1	15 43.21	−21 49.8	2.862	3.834	4.6	21.8
5 11	15 35.77	−21 8.8	2.827	3.832	1.7	21.6
5 21	15 28.05	−20 24.0	2.821	3.830	1.5	21.6
5 31	15 20.70	−19 38.1	2.846	3.827	4.4	21.8
6 10	15 14.28	−18 54.4	2.898	3.824	7.2	21.9
6 20	15 9.23	−18 15.5	2.976	3.820	9.6	22.1

286387 2001 YZ_{9} 5 16.0 191°.16 1°.6/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.46	−13 50.3	2.500	3.339	10.9	21.0
4 21	15 51.15	−13 45.9	2.418	3.338	8.2	20.8
5 1	15 44.18	−13 40.5	2.361	3.337	5.1	20.6
5 11	15 36.13	−13 35.4	2.331	3.336	2.2	20.4
5 21	15 27.69	−13 32.4	2.330	3.334	2.7	20.4
5 31	15 19.62	−13 33.1	2.358	3.332	5.7	20.6
6 10	15 12.62	−13 39.3	2.413	3.331	8.8	20.8
6 20	15 7.20	−13 51.9	2.492	3.328	11.5	21.0

109656 2001 RY_{8} 5 16.0 230°.81 0°.6/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 56.24	−21 50.5	2.369	3.201	11.7	20.4
4 21	15 51.20	−21 42.2	2.279	3.194	8.9	20.2
5 1	15 44.31	−21 26.9	2.213	3.186	5.6	20.0
5 11	15 36.20	−21 5.3	2.173	3.179	2.1	19.7
5 21	15 27.61	−20 39.3	2.162	3.171	1.8	19.7
5 31	15 19.41	−20 11.5	2.180	3.163	5.4	19.9
6 10	15 12.38	−19 45.3	2.224	3.154	8.8	20.1
6 20	15 7.07	−19 23.7	2.292	3.146	11.8	20.3

409310 2004 TB_{138} 5 16.0 220°.72 0°.3/16.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 3.49	−19 50.1	1.909	2.742	14.0	22.0
4 21	15 57.15	−19 57.7	1.816	2.731	10.7	21.8
5 1	15 48.29	−19 59.4	1.746	2.720	6.7	21.5
5 11	15 37.62	−19 55.4	1.702	2.708	2.4	21.2
5 21	15 26.17	−19 46.8	1.686	2.695	2.3	21.1
5 31	15 15.13	−19 35.9	1.699	2.681	6.8	21.4
6 10	15 5.61	−19 26.4	1.738	2.666	11.0	21.6
6 20	14 58.41	−19 21.6	1.800	2.651	14.6	21.8

41231 1999 XS_{20} 5 16.0 239°.29 0°.4/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	15 59.45	−17 22.5	2.029	2.869	13.0	18.6
4 21	15 53.88	−17 33.9	1.943	2.863	9.8	18.4
5 1	15 46.13	−17 42.2	1.880	2.856	6.1	18.1
5 11	15 36.86	−17 47.9	1.843	2.850	2.1	17.8
5 21	15 26.98	−17 52.1	1.834	2.843	2.2	17.8
5 31	15 17.51	−17 56.7	1.854	2.835	6.3	18.1
6 10	15 9.39	−18 3.8	1.899	2.828	10.2	18.3
6 20	15 3.31	−18 15.6	1.968	2.821	13.5	18.5