315174 Sellek 10 7.9 124°.01 5°.2/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 29	1 20.73	−12 17.5	2.796	3.612	10.8	20.8
9 8	1 16.04	−13 7.7	2.738	3.626	8.6	20.7
9 18	1 9.82	−13 55.8	2.703	3.641	6.6	20.6
9 28	1 2.54	−14 36.9	2.696	3.655	5.3	20.5
10 8	0 54.78	−15 6.6	2.718	3.668	5.6	20.5
10 18	0 47.19	−15 21.8	2.767	3.681	7.1	20.7
10 28	0 40.40	−15 20.7	2.844	3.694	9.1	20.8
11 7	0 34.91	−15 3.4	2.944	3.706	11.0	21.0

65000 2002 AV_{63} 10 7.9 47°.89 3°.4/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 10.30	− 9 50.2	4.273	5.094	7.2	19.2
9 8	1 7.52	−10 45.0	4.200	5.095	5.7	19.1
9 18	1 3.82	−11 39.9	4.152	5.096	4.3	19.0
9 28	0 59.47	−12 31.5	4.133	5.097	3.4	19.0
10 8	0 54.80	−13 17.0	4.143	5.098	3.7	19.0
10 18	0 50.14	−13 53.8	4.182	5.098	4.9	19.1
10 28	0 45.88	−14 19.9	4.249	5.099	6.3	19.2
11 7	0 42.33	−14 34.3	4.340	5.100	7.7	19.3

119146 2001 PQ_{45} 10 7.9 8°.26 3°.9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 17.05	− 2 41.3	0.813	1.704	23.3	18.6
9 8	1 16.32	− 2 17.3	0.768	1.706	18.5	18.3
9 18	1 11.67	− 1 58.0	0.738	1.711	12.9	18.1
9 28	1 3.97	− 1 37.6	0.726	1.719	6.9	17.8
10 8	0 54.79	− 1 9.8	0.733	1.729	4.1	17.7
10 18	0 46.03	− 0 30.3	0.762	1.743	8.6	18.0
10 28	0 39.45	+ 0 23.6	0.810	1.759	14.2	18.4
11 7	0 36.15	+ 1 31.7	0.877	1.777	19.1	18.7

327165 2005 JC_{16} 10 7.9 90°.13 3°.7/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 27.56	− 0 47.0	1.562	2.387	17.4	21.0
9 8	1 22.45	− 1 29.1	1.511	2.412	13.6	20.8
9 18	1 14.72	− 2 18.5	1.480	2.437	9.3	20.6
9 28	1 5.14	− 3 8.6	1.474	2.461	5.1	20.4
10 8	0 54.79	− 3 52.2	1.495	2.485	3.9	20.4
10 18	0 44.89	− 4 23.1	1.543	2.509	7.1	20.7
10 28	0 36.53	− 4 36.9	1.617	2.532	11.0	20.9
11 7	0 30.46	− 4 32.4	1.715	2.554	14.5	21.2

168106 2006 EK_{41} 10 7.9 81°.89 1°.0/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.49	+11 2.8	1.336	2.151	20.3	20.5
9 8	1 20.04	+10 49.2	1.272	2.163	16.3	20.3
9 18	1 13.56	+10 15.4	1.226	2.175	11.6	20.0
9 28	1 4.75	+ 9 23.9	1.201	2.188	6.2	19.8
10 8	0 54.80	+ 8 21.1	1.201	2.200	1.1	19.5
10 18	0 45.11	+ 7 15.4	1.227	2.212	5.3	19.8
10 28	0 37.03	+ 6 16.3	1.279	2.224	10.4	20.1
11 7	0 31.51	+ 5 31.2	1.353	2.236	14.9	20.4

106437 2000 VL_{51} 10 7.9 226°.26 2°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 24.02	+12 29.6	1.600	2.394	18.4	20.2
9 8	1 20.30	+12 35.8	1.512	2.389	15.0	19.9
9 18	1 13.76	+12 24.4	1.443	2.383	10.9	19.7
9 28	1 4.94	+11 55.8	1.396	2.377	6.3	19.4
10 8	0 54.81	+11 13.3	1.375	2.371	2.3	19.1
10 18	0 44.61	+10 22.6	1.381	2.365	4.9	19.3
10 28	0 35.66	+ 9 31.6	1.413	2.358	9.6	19.5
11 7	0 29.00	+ 8 48.0	1.470	2.352	14.0	19.8

268005 2004 JT_{28} 10 7.9 90°.92 2°.1/ 6.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 23.04	+ 3 40.2	1.618	2.439	17.0	21.1
9 8	1 18.99	+ 2 58.5	1.556	2.456	13.3	20.9
9 18	1 12.43	+ 2 5.0	1.515	2.473	9.1	20.7
9 28	1 4.04	+ 1 5.3	1.499	2.489	4.6	20.5
10 8	0 54.81	+ 0 6.2	1.509	2.505	2.3	20.3
10 18	0 45.85	− 0 44.9	1.547	2.521	6.0	20.6
10 28	0 38.24	− 1 22.0	1.611	2.537	10.2	20.9
11 7	0 32.76	− 1 41.6	1.698	2.552	13.9	21.2

89844 2002 CP_{64} 10 7.9 124°.86 0°.8/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 13.38	+11 2.6	4.703	5.461	7.6	20.2
9 8	1 9.81	+11 3.8	4.609	5.466	6.1	20.1
9 18	1 5.35	+10 59.2	4.539	5.471	4.3	20.0
9 28	1 0.25	+10 49.4	4.497	5.476	2.5	19.8
10 8	0 54.82	+10 35.9	4.484	5.481	0.9	19.7
10 18	0 49.40	+10 20.2	4.503	5.486	1.9	19.8
10 28	0 44.35	+10 4.1	4.552	5.491	3.7	19.9
11 7	0 39.98	+ 9 49.7	4.630	5.495	5.5	20.1

357853 2005 UD_{227} 10 7.9 130°.39 2°.3/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.36	+ 0 20.9	2.367	3.178	12.6	21.1
9 8	1 16.13	− 0 8.8	2.291	3.185	9.9	21.0
9 18	1 10.12	− 0 44.4	2.238	3.192	6.7	20.8
9 28	1 2.79	− 1 22.2	2.211	3.199	3.6	20.6
10 8	0 54.82	− 1 57.6	2.213	3.206	2.4	20.5
10 18	0 46.94	− 2 26.5	2.244	3.212	5.0	20.7
10 28	0 39.94	− 2 45.2	2.303	3.218	8.2	20.9
11 7	0 34.39	− 2 51.3	2.388	3.224	11.0	21.1

358808 2008 EZ_{80} 10 7.9 76°.11 0°.6/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 20.69	+ 5 32.2	2.063	2.868	14.4	21.1
9 8	1 16.75	+ 5 19.9	1.983	2.872	11.4	20.9
9 18	1 10.75	+ 4 57.7	1.925	2.876	7.9	20.7
9 28	1 3.18	+ 4 28.4	1.892	2.881	3.9	20.4
10 8	0 54.81	+ 3 56.1	1.886	2.885	0.7	20.2
10 18	0 46.53	+ 3 25.5	1.909	2.889	4.4	20.5
10 28	0 39.22	+ 3 1.2	1.960	2.893	8.2	20.7
11 7	0 33.58	+ 2 47.0	2.036	2.898	11.6	21.0

317823 2003 SP_{282} 10 7.9 17°.01 2°.1/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 29	1 19.11	+13 1.5	1.600	2.401	18.1	20.3
9 8	1 16.25	+13 1.2	1.522	2.403	14.7	20.0
9 18	1 10.81	+12 42.5	1.463	2.405	10.7	19.8
9 28	1 3.35	+12 6.4	1.426	2.408	6.2	19.6
10 8	0 54.81	+11 17.0	1.415	2.412	2.2	19.3
10 18	0 46.34	+10 20.5	1.430	2.415	4.6	19.5
10 28	0 39.10	+ 9 24.9	1.471	2.419	9.1	19.8
11 7	0 33.98	+ 8 37.6	1.537	2.424	13.2	20.0

301436 2009 DL_{74} 10 8.0 273°.23 1°.9/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.59	+ 3 11.7	1.838	2.736	11.7	21.0
9 18	1 10.17	+ 2 18.3	1.766	2.722	8.0	20.8
9 28	1 2.99	+ 1 17.1	1.718	2.708	4.1	20.5
10 8	0 54.82	+ 0 14.2	1.698	2.694	2.1	20.3
10 18	0 46.58	− 0 43.8	1.705	2.679	5.6	20.6
10 28	0 39.26	− 1 30.2	1.740	2.665	9.7	20.8
11 7	0 33.68	− 2 0.6	1.799	2.650	13.3	21.0
11 17	0 30.36	− 2 12.8	1.878	2.636	16.4	21.2

451840 2013 JM_{41} 10 8.0 12°.60 8°.8/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.55	−19 39.9	1.978	2.867	11.4	20.6
9 18	1 9.90	−20 50.9	1.945	2.869	9.6	20.5
9 28	1 2.72	−21 47.5	1.937	2.870	8.8	20.4
10 8	0 54.82	−22 23.0	1.953	2.873	9.5	20.5
10 18	0 47.10	−22 33.0	1.994	2.875	11.2	20.6
10 28	0 40.44	−22 16.3	2.058	2.878	13.3	20.7
11 7	0 35.50	−21 34.6	2.142	2.881	15.3	20.9
11 17	0 32.68	−20 31.6	2.243	2.884	17.0	21.1

278133 2007 CZ_{47} 10 8.0 292°.15 0°.9/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.97	+10 28.6	1.454	2.344	14.7	21.1
9 18	1 11.61	+ 9 57.7	1.375	2.324	10.6	20.8
9 28	1 3.93	+ 9 9.7	1.318	2.305	5.8	20.5
10 8	0 54.82	+ 8 8.9	1.287	2.285	1.0	20.1
10 18	0 45.49	+ 7 2.6	1.281	2.266	5.1	20.3
10 28	0 37.27	+ 5 59.9	1.302	2.247	10.3	20.6
11 7	0 31.26	+ 5 9.2	1.345	2.227	15.0	20.8
11 17	0 28.14	+ 4 35.9	1.409	2.208	19.0	21.0

183888 2004 CW_{71} 10 8.0 118°.02 1°.5/ 6.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.05	+ 3 23.8	1.604	2.499	13.3	20.2
9 18	1 13.90	+ 2 54.5	1.555	2.510	9.1	20.0
9 28	1 4.84	+ 2 18.7	1.531	2.520	4.6	19.7
10 8	0 54.83	+ 1 41.9	1.533	2.531	1.6	19.6
10 18	0 45.03	+ 1 10.1	1.564	2.541	5.6	19.8
10 28	0 36.56	+ 0 48.6	1.621	2.550	9.9	20.1
11 7	0 30.25	+ 0 41.0	1.702	2.560	13.7	20.4
11 17	0 26.53	+ 0 48.7	1.804	2.569	16.7	20.6

90432 2004 BG_{56} 10 8.0 273°.75 0°.7/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.16	+ 9 55.0	1.531	2.418	14.3	20.5
9 18	1 12.36	+ 9 22.5	1.451	2.399	10.2	20.3
9 28	1 4.29	+ 8 33.9	1.393	2.380	5.5	19.9
10 8	0 54.84	+ 7 33.9	1.362	2.361	0.7	19.6
10 18	0 45.17	+ 6 29.4	1.358	2.342	5.1	19.8
10 28	0 36.58	+ 5 29.0	1.380	2.322	10.1	20.1
11 7	0 30.15	+ 4 40.5	1.425	2.302	14.7	20.3
11 17	0 26.53	+ 4 9.1	1.491	2.282	18.5	20.5

494349 2016 TP_{64} 10 8.0 9°.07 18°.4/ 4.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.66	−37 28.9	1.183	2.004	21.9	19.8
9 18	1 29.78	−37 10.0	1.151	2.007	20.0	19.7
9 28	1 12.75	−36 2.9	1.138	2.011	18.7	19.7
10 8	0 54.85	−33 59.5	1.145	2.017	18.5	19.7
10 18	0 38.48	−31 2.6	1.175	2.024	19.5	19.8
10 28	0 25.48	−27 24.5	1.228	2.033	21.2	19.9
11 7	0 16.71	−23 22.5	1.302	2.044	23.2	20.1
11 17	0 12.18	−19 11.8	1.394	2.056	25.0	20.3

19877 9086 P–L 10 8.0 1°.17 2°.7/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	0 58.15	+14 11.9	0.610	1.551	21.3	17.6
9 18	0 59.48	+13 37.0	0.572	1.543	15.7	17.3
9 28	0 57.96	+12 24.2	0.548	1.539	9.2	16.9
10 8	0 54.84	+10 43.4	0.541	1.539	3.2	16.6
10 18	0 51.73	+ 8 51.6	0.551	1.542	6.4	16.8
10 28	0 50.37	+ 7 9.0	0.579	1.549	12.9	17.2
11 7	0 51.88	+ 5 52.0	0.623	1.560	18.8	17.6
11 17	0 56.67	+ 5 8.1	0.682	1.575	23.7	18.0

363286 2002 GT_{184} 10 8.0 197°.50 3°.9/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 13.92	− 5 47.4	2.548	3.446	8.8	21.2
9 18	1 8.56	− 6 50.1	2.492	3.444	6.3	21.1
9 28	1 2.01	− 7 51.5	2.463	3.441	4.2	20.9
10 8	0 54.85	− 8 46.4	2.462	3.438	4.2	20.9
10 18	0 47.73	− 9 30.2	2.491	3.435	6.2	21.0
10 28	0 41.33	− 9 59.3	2.547	3.431	8.8	21.2
11 7	0 36.20	−10 12.0	2.628	3.428	11.2	21.4
11 17	0 32.72	−10 8.3	2.730	3.423	13.2	21.5

60361 2000 AT_{100} 10 8.0 346°.02 6°.3/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.64	−10 21.3	1.844	2.751	11.2	18.9
9 18	1 9.40	−11 26.0	1.796	2.747	8.4	18.7
9 28	1 2.54	−12 24.5	1.773	2.743	6.5	18.6
10 8	0 54.86	−13 9.7	1.776	2.740	6.8	18.6
10 18	0 47.27	−13 35.9	1.804	2.737	9.1	18.8
10 28	0 40.69	−13 39.7	1.858	2.734	11.9	19.0
11 7	0 35.84	−13 20.9	1.933	2.732	14.7	19.1
11 17	0 33.16	−12 41.2	2.027	2.730	17.0	19.3

193365 2000 UV_{65} 10 8.0 41°.92 4°.2/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.75	+19 11.9	1.143	2.017	19.0	18.8
9 18	1 11.27	+18 33.0	1.113	2.047	14.2	18.6
9 28	1 3.53	+17 25.7	1.104	2.077	9.0	18.4
10 8	0 54.86	+15 56.5	1.118	2.109	4.8	18.3
10 18	0 46.69	+14 16.4	1.156	2.140	5.5	18.4
10 28	0 40.32	+12 37.9	1.219	2.173	9.8	18.8
11 7	0 36.54	+11 12.2	1.305	2.206	14.0	19.1
11 17	0 35.66	+10 5.9	1.411	2.239	17.5	19.4

319196 2005 YU_{164} 10 8.0 264°.42 2°.1/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.94	+13 43.4	2.262	3.122	11.3	20.6
9 18	1 10.21	+13 38.1	2.183	3.113	8.3	20.4
9 28	1 2.97	+13 20.2	2.129	3.105	5.0	20.2
10 8	0 54.87	+12 52.0	2.102	3.096	2.3	20.0
10 18	0 46.70	+12 16.8	2.104	3.087	3.7	20.1
10 28	0 39.30	+11 39.3	2.135	3.078	7.0	20.3
11 7	0 33.40	+11 4.6	2.193	3.070	10.2	20.5
11 17	0 29.46	+10 37.1	2.274	3.061	13.0	20.7

256412 2007 BT_{2} 10 8.0 192°.96 10°.3/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.68	−15 57.3	1.122	1.998	19.1	19.6
9 18	1 32.72	−16 13.0	1.066	1.997	14.9	19.4
9 28	1 14.82	−16 7.0	1.034	1.995	11.2	19.2
10 8	0 54.89	−15 28.4	1.028	1.992	10.5	19.1
10 18	0 35.40	−14 13.2	1.049	1.986	13.4	19.3
10 28	0 18.75	−12 25.3	1.097	1.979	17.8	19.5
11 7	0 6.36	−10 14.3	1.166	1.971	22.0	19.8
11 17	23 58.70	− 7 49.4	1.253	1.960	25.5	20.0

71683 2000 FE_{12} 10 8.0 230°.57 6°.4/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.94	−11 44.8	2.001	2.899	10.9	18.6
9 18	1 11.61	−12 43.5	1.948	2.893	8.3	18.4
9 28	1 3.66	−13 35.2	1.922	2.887	6.6	18.3
10 8	0 54.88	−14 13.2	1.921	2.880	6.8	18.3
10 18	0 46.18	−14 32.5	1.948	2.874	8.9	18.4
10 28	0 38.47	−14 30.1	2.001	2.867	11.7	18.6
11 7	0 32.49	−14 6.0	2.076	2.860	14.3	18.8
11 17	0 28.68	−13 22.3	2.170	2.853	16.5	18.9

475036 2005 UH_{47} 10 8.0 356°.27 2°.4/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.73	+ 2 22.7	1.005	1.930	16.5	20.0
9 18	1 10.41	+ 1 58.1	0.956	1.924	11.4	19.7
9 28	1 3.39	+ 1 25.2	0.926	1.919	5.8	19.4
10 8	0 54.88	+ 0 52.0	0.918	1.916	2.6	19.2
10 18	0 46.42	+ 0 27.1	0.933	1.914	7.5	19.5
10 28	0 39.60	+ 0 17.9	0.970	1.914	13.0	19.8
11 7	0 35.55	+ 0 28.7	1.026	1.916	17.9	20.1
11 17	0 34.82	+ 1 0.2	1.100	1.919	21.9	20.4

398755 2013 AT_{39} 10 8.0 314°.18 3°.0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.38	+15 56.1	1.829	2.690	13.5	21.2
9 18	1 10.76	+15 45.3	1.759	2.688	10.1	21.0
9 28	1 3.33	+15 17.1	1.712	2.686	6.4	20.8
10 8	0 54.89	+14 34.1	1.692	2.684	3.2	20.6
10 18	0 46.44	+13 41.0	1.699	2.682	4.4	20.7
10 28	0 39.01	+12 44.4	1.733	2.680	8.0	20.9
11 7	0 33.42	+11 51.6	1.793	2.678	11.7	21.1
11 17	0 30.17	+11 8.2	1.875	2.676	14.9	21.3

215640 2003 UP_{14} 10 8.0 43°.68 2°.9/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.29	+ 0 19.8	1.114	2.027	16.3	19.5
9 18	1 15.25	+ 0 3.9	1.077	2.039	11.2	19.3
9 28	1 5.67	− 0 15.6	1.061	2.052	5.8	19.1
10 8	0 54.90	− 0 31.9	1.069	2.065	3.1	18.9
10 18	0 44.52	− 0 38.4	1.102	2.079	7.4	19.2
10 28	0 36.01	− 0 30.4	1.159	2.094	12.4	19.6
11 7	0 30.36	− 0 5.8	1.237	2.109	16.8	19.9
11 17	0 27.96	+ 0 35.0	1.333	2.124	20.3	20.2

385787 2006 BM_{76} 10 8.0 50°.47 4°.6/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.84	+17 19.5	1.481	2.341	16.2	20.9
9 18	1 14.10	+17 45.9	1.426	2.351	12.3	20.7
9 28	1 5.10	+17 51.8	1.393	2.361	8.2	20.5
10 8	0 54.91	+17 38.2	1.385	2.372	4.9	20.3
10 18	0 44.81	+17 9.1	1.403	2.383	5.7	20.4
10 28	0 36.13	+16 31.4	1.447	2.394	9.3	20.6
11 7	0 29.85	+15 53.3	1.516	2.405	13.1	20.9
11 17	0 26.47	+15 21.6	1.605	2.417	16.5	21.1

272352 2005 SF_{153} 10 8.0 354°.32 0°.1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.08	+ 9 4.8	1.247	2.151	15.6	20.5
9 18	1 9.62	+ 8 9.0	1.190	2.148	10.9	20.2
9 28	1 2.89	+ 6 55.5	1.155	2.145	5.6	19.9
10 8	0 54.91	+ 5 32.1	1.144	2.143	0.2	19.5
10 18	0 46.97	+ 4 8.8	1.158	2.142	5.7	19.9
10 28	0 40.40	+ 2 56.5	1.196	2.141	11.0	20.2
11 7	0 36.19	+ 2 3.0	1.257	2.141	15.7	20.5
11 17	0 34.85	+ 1 32.5	1.336	2.142	19.5	20.8

355532 2008 AN_{96} 10 8.0 299°.65 3°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.09	− 1 23.3	1.777	2.681	11.7	21.0
9 18	1 10.56	− 2 10.1	1.710	2.669	8.1	20.8
9 28	1 3.24	− 2 59.8	1.668	2.656	4.6	20.5
10 8	0 54.91	− 3 45.9	1.653	2.644	3.6	20.4
10 18	0 46.55	− 4 22.2	1.666	2.631	6.7	20.6
10 28	0 39.17	− 4 43.4	1.704	2.619	10.5	20.8
11 7	0 33.59	− 4 46.8	1.766	2.607	14.0	21.0
11 17	0 30.32	− 4 31.5	1.847	2.596	17.0	21.2

78965 2003 SY_{272} 10 8.0 88°.01 2°.0/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.21	+14 28.0	2.346	3.203	11.1	19.5
9 18	1 9.52	+14 9.1	2.290	3.219	8.1	19.3
9 28	1 2.53	+13 37.5	2.260	3.235	4.9	19.1
10 8	0 54.92	+12 56.2	2.257	3.251	2.2	19.0
10 18	0 47.43	+12 9.2	2.284	3.267	3.4	19.1
10 28	0 40.79	+11 21.4	2.340	3.283	6.5	19.3
11 7	0 35.61	+10 37.9	2.423	3.299	9.4	19.5
11 17	0 32.25	+10 2.4	2.529	3.314	11.9	19.7

242864 2006 GJ_{50} 10 8.0 117°.50 1°.7/ 9.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.16	+14 28.3	1.965	2.829	12.6	20.9
9 18	1 10.35	+13 38.1	1.909	2.842	9.1	20.7
9 28	1 3.01	+12 31.8	1.876	2.855	5.3	20.5
10 8	0 54.92	+11 14.4	1.872	2.868	1.9	20.3
10 18	0 46.98	+ 9 52.0	1.896	2.881	3.8	20.4
10 28	0 40.08	+ 8 32.3	1.949	2.892	7.6	20.7
11 7	0 34.89	+ 7 21.9	2.029	2.904	11.0	20.9
11 17	0 31.81	+ 6 25.5	2.131	2.915	13.9	21.2

81901 2000 LZ_{36} 10 8.0 41°.15 1°.4/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.88	+ 7 21.6	1.465	2.368	13.8	18.1
9 18	1 8.29	+ 5 41.5	1.431	2.389	9.3	17.9
9 28	1 1.98	+ 3 49.9	1.420	2.411	4.5	17.7
10 8	0 54.92	+ 1 56.6	1.436	2.434	1.6	17.5
10 18	0 48.14	+ 0 12.1	1.480	2.457	5.8	17.9
10 28	0 42.64	− 1 14.8	1.549	2.481	10.1	18.2
11 7	0 39.09	− 2 18.5	1.642	2.505	13.8	18.5
11 17	0 37.85	− 2 57.6	1.755	2.529	16.8	18.7

242877 2006 HY_{107} 10 8.0 88°.68 1°.2/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.99	+ 5 23.6	1.789	2.682	12.2	21.1
9 18	1 10.92	+ 4 26.2	1.748	2.702	8.3	20.9
9 28	1 3.28	+ 3 20.8	1.731	2.721	4.1	20.7
10 8	0 54.94	+ 2 13.8	1.743	2.741	1.3	20.6
10 18	0 46.83	+ 1 11.9	1.782	2.760	5.0	20.9
10 28	0 39.88	+ 0 21.3	1.849	2.778	8.9	21.2
11 7	0 34.76	− 0 14.0	1.941	2.797	12.3	21.4
11 17	0 31.85	− 0 32.2	2.054	2.815	15.1	21.6

305463 2008 DN_{25} 10 8.0 274°.86 3°.2/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.80	− 2 11.6	1.992	2.891	10.9	20.4
9 18	1 11.64	− 2 45.7	1.919	2.874	7.6	20.2
9 28	1 3.78	− 3 21.1	1.871	2.858	4.4	19.9
10 8	0 54.94	− 3 52.8	1.851	2.841	3.4	19.8
10 18	0 46.03	− 4 15.5	1.860	2.825	6.2	20.0
10 28	0 38.01	− 4 25.0	1.896	2.808	9.8	20.2
11 7	0 31.65	− 4 19.0	1.956	2.791	13.1	20.4
11 17	0 27.49	− 3 56.8	2.036	2.774	15.9	20.5

211638 2003 UG_{170} 10 8.0 324°.57 2°.3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.67	+13 41.6	1.410	2.296	15.3	20.0
9 18	1 9.39	+13 17.1	1.332	2.277	11.3	19.7
9 28	1 2.85	+12 31.7	1.275	2.258	6.7	19.4
10 8	0 54.94	+11 29.2	1.243	2.239	2.5	19.1
10 18	0 46.82	+10 16.3	1.236	2.222	5.0	19.2
10 28	0 39.81	+ 9 2.9	1.254	2.205	9.9	19.5
11 7	0 34.97	+ 7 58.5	1.295	2.189	14.6	19.7
11 17	0 32.97	+ 7 10.2	1.355	2.174	18.6	19.9

324134 2005 YQ_{65} 10 8.0 257°.25 0°.0/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 14.64	+ 7 46.7	2.228	3.110	10.6	21.6
9 18	1 9.27	+ 7 16.6	2.158	3.105	7.4	21.4
9 28	1 2.49	+ 6 37.5	2.113	3.101	3.8	21.1
10 8	0 54.95	+ 5 53.4	2.097	3.096	0.0	20.8
10 18	0 47.40	+ 5 8.7	2.110	3.091	3.8	21.1
10 28	0 40.65	+ 4 28.4	2.151	3.087	7.4	21.3
11 7	0 35.34	+ 3 57.0	2.218	3.082	10.6	21.5
11 17	0 31.93	+ 3 37.3	2.308	3.077	13.4	21.7

304210 2006 QY_{120} 10 8.0 53°.83 0°.1/ 8.1 16

9 8	1 15.20	+ 9 53.1	1.550	2.440	13.9	20.8
9 18	1 9.86	+ 8 49.5	1.511	2.462	9.6	20.6
9 28	1 2.79	+ 7 32.3	1.495	2.484	4.9	20.4
10 8	0 54.95	+ 6 8.6	1.506	2.506	0.1	20.0
10 18	0 47.39	+ 4 46.8	1.545	2.528	4.7	20.5
10 28	0 41.11	+ 3 35.2	1.610	2.550	9.1	20.8
11 7	0 36.81	+ 2 39.6	1.699	2.573	12.8	21.1
11 17	0 34.86	+ 2 3.2	1.810	2.596	15.9	21.3

154384 2002 YG_{29} 10 8.0 202°.91 3°.2/ 4.9 18

9 8	1 18.15	− 0 43.4	1.851	2.750	11.6	20.5
9 18	1 11.88	− 1 44.0	1.790	2.747	8.0	20.3
9 28	1 3.88	− 2 48.0	1.756	2.743	4.5	20.1
10 8	0 54.96	− 3 48.8	1.748	2.739	3.5	20.0
10 18	0 46.08	− 4 39.6	1.770	2.734	6.6	20.2
10 28	0 38.23	− 5 14.9	1.818	2.728	10.2	20.4
11 7	0 32.19	− 5 31.8	1.890	2.722	13.6	20.6
11 17	0 28.43	− 5 29.6	1.982	2.716	16.4	20.8

302113 2001 MO_{18} 10 8.0 66°.39 5°.8/ 2.7 18

9 8	1 16.68	− 7 11.1	1.658	2.567	12.1	20.7
9 18	1 10.75	− 8 30.9	1.632	2.587	8.7	20.5
9 28	1 3.20	− 9 45.6	1.631	2.608	6.2	20.4
10 8	0 54.96	−10 46.9	1.656	2.628	6.3	20.5
10 18	0 47.03	−11 28.7	1.707	2.649	8.7	20.7
10 28	0 40.36	−11 47.4	1.783	2.670	11.8	20.9
11 7	0 35.62	−11 42.9	1.882	2.690	14.6	21.1
11 17	0 33.15	−11 17.4	1.998	2.711	16.9	21.4

255193 2005 UA_{304} 10 8.0 146°.92 0°.2/ 7.8 18

9 8	1 13.38	+ 8 27.3	2.282	3.163	10.4	20.7
9 18	1 8.32	+ 7 29.0	2.219	3.167	7.2	20.5
9 28	1 1.97	+ 6 20.8	2.182	3.170	3.7	20.2
10 8	0 54.96	+ 5 7.6	2.174	3.173	0.2	20.0
10 18	0 48.01	+ 3 55.1	2.196	3.177	3.8	20.3
10 28	0 41.85	+ 2 49.2	2.247	3.180	7.3	20.5
11 7	0 37.10	+ 1 54.7	2.323	3.182	10.4	20.7
11 17	0 34.12	+ 1 14.5	2.423	3.185	13.0	20.9

152140 2004 UO_{2} 10 8.0 63°.84 5°.1/ 3.5 18

9 8	1 18.25	− 8 10.1	1.935	2.835	11.1	19.1
9 18	1 11.64	− 8 51.0	1.905	2.856	8.0	18.9
9 28	1 3.60	− 9 26.5	1.901	2.878	5.5	18.8
10 8	0 54.96	− 9 51.0	1.925	2.899	5.4	18.9
10 18	0 46.62	−10 0.6	1.976	2.921	7.5	19.0
10 28	0 39.44	− 9 52.9	2.053	2.942	10.3	19.3
11 7	0 34.02	− 9 28.1	2.153	2.963	13.0	19.5
11 17	0 30.71	− 8 47.8	2.274	2.985	15.2	19.7

87291 2000 PG_{18} 10 8.0 19°.61 1°.7/ 6.6 18

9 8	1 14.37	+ 3 55.3	1.484	2.391	13.4	18.6
9 18	1 9.45	+ 3 10.9	1.437	2.397	9.1	18.4
9 28	1 2.67	+ 2 18.6	1.414	2.405	4.6	18.2
10 8	0 54.96	+ 1 25.2	1.416	2.413	1.8	18.0
10 18	0 47.41	+ 0 37.8	1.444	2.422	5.8	18.3
10 28	0 41.08	+ 0 2.9	1.498	2.432	10.2	18.6
11 7	0 36.78	− 0 15.3	1.574	2.443	14.0	18.8
11 17	0 34.93	− 0 15.4	1.671	2.454	17.1	19.1

117759 2005 GP_{60} 10 8.0 120°.38 3°.1/10.7 18

9 8	1 20.64	+15 57.2	1.568	2.431	15.3	20.3
9 18	1 13.82	+15 43.0	1.513	2.443	11.4	20.0
9 28	1 4.93	+15 9.1	1.479	2.454	7.0	19.8
10 8	0 54.98	+14 18.6	1.472	2.465	3.4	19.6
10 18	0 45.17	+13 17.5	1.492	2.475	4.8	19.7
10 28	0 36.73	+12 14.3	1.539	2.485	8.9	20.0
11 7	0 30.54	+11 17.0	1.610	2.495	12.8	20.3
11 17	0 27.07	+10 31.6	1.704	2.504	16.2	20.5

259803 2004 BH_{87} 10 8.0 288°.36 4°.2/11.5 17

9 8	1 17.13	+18 27.0	1.442	2.305	16.4	20.1
9 18	1 11.74	+18 9.9	1.370	2.297	12.5	19.8
9 28	1 4.03	+17 27.9	1.319	2.289	8.2	19.6
10 8	0 54.98	+16 23.5	1.292	2.282	4.6	19.3
10 18	0 45.81	+15 3.0	1.291	2.274	5.4	19.4
10 28	0 37.91	+13 36.3	1.316	2.266	9.6	19.6
11 7	0 32.31	+12 14.4	1.365	2.259	14.0	19.8
11 17	0 29.63	+11 5.8	1.434	2.252	17.8	20.1

479698 2014 DY_{113} 10 8.0 182°.66 6°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.44	+23 4.9	1.894	2.711	14.9	21.2
9 18	1 15.12	+23 47.1	1.821	2.712	12.0	21.0
9 28	1 5.68	+24 8.8	1.770	2.712	9.0	20.8
10 8	0 54.99	+24 8.7	1.745	2.712	6.6	20.7
10 18	0 44.17	+23 48.4	1.747	2.711	6.6	20.7
10 28	0 34.44	+23 13.0	1.777	2.711	8.8	20.8
11 7	0 26.77	+22 29.9	1.832	2.710	11.8	21.0
11 17	0 21.76	+21 46.8	1.909	2.709	14.7	21.2

207579 2006 QM_{2} 10 8.0 129°.86 4°.0/ 3.6 18

9 8	1 15.02	− 3 5.2	2.009	2.912	10.6	20.2
9 18	1 9.53	− 4 27.5	1.963	2.920	7.4	20.0
9 28	1 2.61	− 5 50.4	1.943	2.927	4.6	19.9
10 8	0 54.98	− 7 6.7	1.952	2.934	4.4	19.9
10 18	0 47.48	− 8 9.8	1.989	2.941	6.9	20.1
10 28	0 40.93	− 8 54.9	2.053	2.948	10.0	20.3
11 7	0 35.98	− 9 19.6	2.140	2.954	12.9	20.5
11 17	0 33.02	− 9 24.2	2.247	2.961	15.3	20.7

428622 2008 FS_{48} 10 8.0 291°.88 0°.3/ 7.7 16

9 8	1 13.04	+ 5 34.3	2.999	3.879	8.2	20.9
9 18	1 7.92	+ 5 21.0	2.922	3.869	5.7	20.7
9 28	1 1.74	+ 5 2.9	2.871	3.859	2.9	20.5
10 8	0 54.98	+ 4 42.3	2.850	3.849	0.3	20.3
10 18	0 48.19	+ 4 22.0	2.859	3.839	3.1	20.5
10 28	0 41.95	+ 4 5.1	2.898	3.829	5.9	20.7
11 7	0 36.77	+ 3 54.2	2.963	3.819	8.5	20.9
11 17	0 33.01	+ 3 51.1	3.053	3.809	10.7	21.0

355039 2006 RS_{98} 10 8.0 189°.10 0°.4/ 8.4 18

9 8	1 17.04	+ 8 27.9	1.926	2.809	12.0	21.5
9 18	1 11.09	+ 8 7.8	1.862	2.809	8.4	21.3
9 28	1 3.48	+ 7 37.5	1.822	2.808	4.4	21.0
10 8	0 54.99	+ 7 0.7	1.809	2.808	0.4	20.7
10 18	0 46.51	+ 6 22.3	1.825	2.808	4.1	21.0
10 28	0 39.01	+ 5 47.7	1.869	2.808	8.1	21.3
11 7	0 33.25	+ 5 21.8	1.938	2.808	11.7	21.5
11 17	0 29.68	+ 5 7.6	2.029	2.807	14.7	21.7

224931 2007 DJ_{56} 10 8.0 276°.51 1°.6/ 6.7 18

9 8	1 16.77	+ 5 4.4	1.547	2.447	13.4	21.4
9 18	1 11.33	+ 4 6.6	1.474	2.431	9.3	21.1
9 28	1 3.77	+ 2 57.1	1.425	2.416	4.7	20.8
10 8	0 54.99	+ 1 42.9	1.402	2.400	1.7	20.6
10 18	0 46.08	+ 0 32.2	1.407	2.384	6.0	20.8
10 28	0 38.26	− 0 26.3	1.437	2.368	10.8	21.0
11 7	0 32.50	− 1 6.5	1.490	2.352	15.0	21.3
11 17	0 29.39	− 1 25.5	1.563	2.336	18.6	21.5

257654 1999 UT_{33} 10 8.0 57°.44 0°.6/ 8.5 17

9 8	1 18.72	+10 22.8	1.188	2.085	16.7	20.2
9 18	1 12.66	+ 9 36.9	1.152	2.105	11.7	19.9
9 28	1 4.34	+ 8 33.7	1.138	2.126	6.2	19.7
10 8	0 55.00	+ 7 20.8	1.148	2.147	0.7	19.4
10 18	0 46.04	+ 6 8.0	1.183	2.168	5.4	19.8
10 28	0 38.80	+ 5 5.0	1.243	2.189	10.6	20.1
11 7	0 34.13	+ 4 18.9	1.326	2.211	15.0	20.5
11 17	0 32.40	+ 3 53.1	1.428	2.232	18.5	20.8

113791 2002 TM_{195} 10 8.0 0°.77 2°.9/ 5.6 18

9 8	1 17.28	− 0 23.1	1.677	2.581	12.3	19.3
9 18	1 11.38	− 0 58.3	1.622	2.581	8.5	19.1
9 28	1 3.66	− 1 36.5	1.591	2.580	4.6	18.9
10 8	0 55.00	− 2 11.6	1.587	2.580	3.1	18.8
10 18	0 46.41	− 2 37.8	1.610	2.580	6.4	19.0
10 28	0 38.96	− 2 50.4	1.659	2.581	10.3	19.2
11 7	0 33.43	− 2 46.8	1.732	2.582	13.8	19.4
11 17	0 30.31	− 2 26.5	1.824	2.583	16.8	19.7

201112 2002 HG 10 8.0 138°.81 4°.6/ 4.1 18

9 8	1 18.95	− 5 23.2	1.821	2.723	11.6	20.1
9 18	1 12.37	− 6 11.6	1.773	2.728	8.2	19.9
9 28	1 4.10	− 6 57.8	1.751	2.732	5.3	19.7
10 8	0 55.01	− 7 35.5	1.755	2.737	4.9	19.7
10 18	0 46.06	− 7 59.1	1.787	2.741	7.5	19.9
10 28	0 38.25	− 8 5.2	1.846	2.745	10.8	20.1
11 7	0 32.31	− 7 52.6	1.928	2.749	13.8	20.3
11 17	0 28.67	− 7 22.2	2.029	2.753	16.4	20.5

95058 2002 AM_{58} 10 8.0 112°.00 4°.7/ 2.5 18

9 8	1 14.43	− 6 56.9	2.197	3.100	9.9	19.7
9 18	1 9.03	− 8 10.4	2.156	3.108	7.1	19.6
9 28	1 2.33	− 9 21.1	2.141	3.117	5.0	19.4
10 8	0 55.00	−10 22.4	2.154	3.125	5.1	19.5
10 18	0 47.81	−11 9.2	2.195	3.134	7.3	19.6
10 28	0 41.49	−11 37.7	2.262	3.142	9.9	19.8
11 7	0 36.65	−11 46.9	2.353	3.150	12.4	20.0
11 17	0 33.64	−11 37.4	2.463	3.158	14.5	20.2

61011 2000 KJ_{40} 10 8.0 336°.61 2°.6/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 15.83	+ 2 13.5	1.154	2.072	15.4	18.4
9 18	1 11.11	+ 1 39.4	1.093	2.058	10.7	18.1
9 28	1 3.81	+ 0 57.0	1.053	2.045	5.5	17.8
10 8	0 55.01	+ 0 13.9	1.036	2.033	2.8	17.6
10 18	0 46.10	− 0 21.4	1.043	2.022	7.4	17.9
10 28	0 38.61	− 0 40.8	1.073	2.012	12.7	18.1
11 7	0 33.69	− 0 39.7	1.124	2.003	17.5	18.4
11 17	0 31.96	− 0 16.7	1.192	1.996	21.5	18.6

333876 1997 SY_{27} 10 8.0 115°.25 2°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.03	+13 34.2	1.672	2.540	14.2	21.0
9 18	1 13.33	+13 25.8	1.614	2.550	10.4	20.8
9 28	1 4.67	+13 1.2	1.580	2.559	6.1	20.6
10 8	0 55.01	+12 23.5	1.572	2.567	2.5	20.4
10 18	0 45.46	+11 38.0	1.592	2.576	4.5	20.6
10 28	0 37.15	+10 51.5	1.639	2.584	8.6	20.8
11 7	0 30.93	+10 10.7	1.712	2.592	12.4	21.1
11 17	0 27.28	+ 9 40.7	1.805	2.600	15.6	21.3

228005 2007 QR_{12} 10 8.0 51°.46 0°.5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 8.81	+ 9 37.2	4.317	5.183	6.3	20.2
9 18	1 4.76	+ 9 22.3	4.246	5.184	4.4	20.1
9 28	1 0.05	+ 9 2.4	4.202	5.185	2.4	20.0
10 8	0 55.00	+ 8 39.1	4.188	5.187	0.5	19.8
10 18	0 49.96	+ 8 14.4	4.205	5.188	2.0	19.9
10 28	0 45.29	+ 7 50.5	4.252	5.189	4.0	20.1
11 7	0 41.33	+ 7 29.5	4.327	5.191	5.9	20.2
11 17	0 38.31	+ 7 13.2	4.428	5.192	7.5	20.3

32306 2000 QT_{28} 10 8.0 339°.53 0°.1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.56	+ 7 16.0	1.828	2.718	12.2	18.1
9 18	1 10.16	+ 6 49.9	1.763	2.714	8.5	17.9
9 28	1 3.05	+ 6 13.9	1.722	2.711	4.4	17.6
10 8	0 55.02	+ 5 32.4	1.709	2.708	0.1	17.3
10 18	0 46.99	+ 4 50.8	1.723	2.705	4.4	17.6
10 28	0 39.95	+ 4 14.8	1.764	2.702	8.6	17.9
11 7	0 34.66	+ 3 49.4	1.830	2.700	12.2	18.1
11 17	0 31.60	+ 3 37.4	1.917	2.698	15.3	18.3

450960 2008 KB_2 10 8.0 30°.73 9°.9/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.59	−20 56.3	1.739	2.627	12.8	20.2
9 18	1 11.41	−21 58.0	1.717	2.638	10.8	20.1
9 28	1 3.57	−22 41.8	1.718	2.650	9.9	20.0
10 8	0 55.02	−23 0.8	1.743	2.662	10.4	20.1
10 18	0 46.81	−22 51.6	1.792	2.675	12.1	20.2
10 28	0 39.89	−22 14.1	1.864	2.688	14.2	20.4
11 7	0 34.97	−21 11.4	1.955	2.702	16.3	20.6
11 17	0 32.36	−19 48.3	2.063	2.716	18.0	20.8

7806 Umasslowell 10 8.0 6°.97 0°.7/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.96	+ 5 35.9	1.040	1.957	16.8	16.8
9 18	1 11.20	+ 5 21.2	0.993	1.957	11.7	16.6
9 28	1 3.81	+ 4 54.5	0.967	1.959	5.9	16.3
10 8	0 55.03	+ 4 22.2	0.963	1.962	0.8	15.9
10 18	0 46.37	+ 3 52.2	0.982	1.967	6.4	16.3
10 28	0 39.38	+ 3 32.6	1.025	1.973	12.0	16.7
11 7	0 35.13	+ 3 28.9	1.087	1.980	16.8	17.0
11 17	0 34.13	+ 3 43.4	1.167	1.989	20.8	17.3

508889 2003 SZ_{331} 10 8.0 350°.10 2°.3/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.26	+10 35.4	0.876	1.795	19.0	20.7
9 18	1 9.84	+10 48.6	0.821	1.782	13.9	20.3
9 28	1 3.36	+10 41.2	0.783	1.772	7.9	20.0
10 8	0 55.02	+10 16.8	0.766	1.763	2.5	19.6
10 18	0 46.53	+ 9 42.7	0.769	1.757	6.3	19.8
10 28	0 39.75	+ 9 9.3	0.793	1.753	12.5	20.2
11 7	0 36.07	+ 8 46.5	0.836	1.751	18.1	20.5
11 17	0 36.15	+ 8 40.6	0.895	1.751	22.8	20.8

4946 Askalaphus 10 8.0 94°.23 3°.9/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 9.95	−16 9.9	4.459	5.341	5.7	17.5
9 18	1 5.50	−16 39.5	4.418	5.344	4.6	17.5
9 28	1 0.41	−17 3.6	4.404	5.348	4.0	17.4
10 8	0 55.02	−17 19.9	4.419	5.352	4.2	17.4
10 18	0 49.69	−17 26.6	4.462	5.355	5.2	17.5
10 28	0 44.77	−17 22.5	4.532	5.359	6.4	17.6
11 7	0 40.58	−17 7.5	4.627	5.363	7.6	17.7
11 17	0 37.36	−16 41.9	4.743	5.366	8.7	17.8

303057 2003 YP_{116} 10 8.1 335°.04 4°.5/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.92	− 3 58.3	1.617	2.526	12.4	20.1
9 18	1 11.22	− 4 47.9	1.562	2.521	8.7	19.9
9 28	1 3.63	− 5 37.3	1.532	2.517	5.4	19.7
10 8	0 55.05	− 6 19.2	1.527	2.513	4.8	19.6
10 18	0 46.52	− 6 47.3	1.549	2.509	7.8	19.8
10 28	0 39.14	− 6 56.8	1.596	2.505	11.5	20.0
11 7	0 33.75	− 6 46.0	1.666	2.502	15.0	20.2
11 17	0 30.82	− 6 15.5	1.754	2.499	17.8	20.4

404358 2013 GS_{17} 10 8.1 119°.23 4°.6/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 13.43	− 8 47.7	2.788	3.685	8.2	21.8
9 18	1 8.13	−10 24.1	2.757	3.703	6.1	21.7
9 28	1 1.82	−11 56.4	2.754	3.721	4.7	21.7
10 8	0 55.04	−13 18.8	2.781	3.739	5.0	21.7
10 18	0 48.39	−14 26.7	2.837	3.756	6.8	21.8
10 28	0 42.44	−15 16.9	2.921	3.772	8.8	22.0
11 7	0 37.68	−15 48.1	3.029	3.789	10.8	22.2
11 17	0 34.41	−16 1.1	3.156	3.804	12.4	22.3

485969 2012 HW_{75} 10 8.1 209°.42 3°.3/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.32	− 4 52.5	2.626	3.521	8.7	21.9
9 18	1 9.56	− 5 30.6	2.565	3.517	6.1	21.8
9 28	1 2.61	− 6 7.7	2.532	3.513	3.9	21.6
10 8	0 55.05	− 6 39.4	2.527	3.509	3.5	21.6
10 18	0 47.52	− 7 2.2	2.551	3.504	5.6	21.7
10 28	0 40.69	− 7 12.9	2.604	3.500	8.2	21.9
11 7	0 35.14	− 7 10.1	2.682	3.495	10.6	22.0
11 17	0 31.22	− 6 53.6	2.782	3.489	12.7	22.2

280087 2002 DO_8 10 8.1 278°.32 6°.5/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.89	−10 6.6	1.612	2.513	12.9	19.6
9 18	1 14.66	−10 43.9	1.560	2.509	9.6	19.4
9 28	1 5.38	−11 13.7	1.532	2.505	7.0	19.2
10 8	0 55.06	−11 29.0	1.530	2.501	6.8	19.2
10 18	0 44.86	−11 24.5	1.554	2.497	9.4	19.4
10 28	0 35.97	−10 57.9	1.603	2.493	12.7	19.6
11 7	0 29.28	−10 10.0	1.675	2.489	15.9	19.8
11 17	0 25.26	− 9 3.4	1.766	2.485	18.6	20.0

359943 2011 YG_{75} 10 8.1 306°.31 1°.7/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 9.04	− 1 58.1	4.023	4.916	6.0	20.9
9 18	1 4.97	− 2 26.1	3.956	4.909	4.1	20.7
9 28	1 0.19	− 2 54.7	3.917	4.903	2.3	20.6
10 8	0 55.05	− 3 21.2	3.908	4.896	1.9	20.5
10 18	0 49.91	− 3 43.6	3.928	4.890	3.4	20.6
10 28	0 45.16	− 3 59.5	3.978	4.884	5.3	20.8
11 7	0 41.16	− 4 7.6	4.055	4.878	7.1	20.9
11 17	0 38.16	− 4 7.0	4.156	4.872	8.7	21.0

489066 2005 YB_{251} 10 8.1 345°.69 3°.7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.78	+15 53.6	1.235	2.120	17.2	20.8
9 18	1 10.34	+15 48.0	1.170	2.111	12.9	20.5
9 28	1 3.42	+15 18.5	1.126	2.104	8.1	20.2
10 8	0 55.06	+14 28.0	1.104	2.097	4.1	20.0
10 18	0 46.60	+13 23.2	1.106	2.092	5.5	20.1
10 28	0 39.50	+12 14.1	1.133	2.087	10.3	20.3
11 7	0 34.89	+11 11.6	1.182	2.084	15.0	20.6
11 17	0 33.38	+10 23.4	1.250	2.082	19.0	20.8

490346 2009 DJ_{110} 10 8.1 156°.40 2°.3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.52	+14 6.1	2.103	2.961	12.2	21.4
9 18	1 12.06	+14 1.2	2.036	2.965	8.9	21.2
9 28	1 3.99	+13 42.8	1.994	2.970	5.4	21.0
10 8	0 55.07	+13 13.1	1.980	2.973	2.5	20.8
10 18	0 46.17	+12 36.0	1.994	2.977	3.9	20.9
10 28	0 38.22	+11 56.5	2.037	2.980	7.3	21.1
11 7	0 31.94	+11 20.3	2.106	2.982	10.6	21.4
11 17	0 27.80	+10 51.7	2.199	2.985	13.4	21.6

309951 2009 HV_1 10 8.1 253°.25 2°.1/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.88	+ 1 31.8	1.913	2.810	11.4	20.5
9 18	1 11.00	+ 0 54.5	1.851	2.807	7.8	20.2
9 28	1 3.47	+ 0 12.7	1.814	2.804	4.0	20.0
10 8	0 55.07	− 0 28.5	1.805	2.800	2.3	19.9
10 18	0 46.69	− 1 3.6	1.824	2.796	5.5	20.1
10 28	0 39.28	− 1 27.8	1.870	2.793	9.2	20.3
11 7	0 33.59	− 1 37.8	1.940	2.789	12.6	20.5
11 17	0 30.07	− 1 32.3	2.032	2.785	15.5	20.7

57740 2001 UK_{162} 10 8.1 77°.39 5°.8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.43	− 6 38.3	1.504	2.412	13.2	18.7
9 18	1 12.88	− 7 39.9	1.468	2.424	9.4	18.5
9 28	1 4.41	− 8 37.2	1.457	2.437	6.4	18.3
10 8	0 55.09	− 9 22.0	1.471	2.449	6.2	18.4
10 18	0 46.05	− 9 47.8	1.512	2.462	8.9	18.6
10 28	0 38.41	− 9 51.3	1.577	2.474	12.4	18.8
11 7	0 32.96	− 9 32.2	1.664	2.487	15.6	19.0
11 17	0 30.09	− 8 52.7	1.769	2.499	18.2	19.3

196735 2003 SG_{126} 10 8.1 94°.05 4°.1/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.69	+19 26.4	2.368	3.196	12.0	19.6
9 18	1 12.12	+19 50.8	2.299	3.203	9.3	19.5
9 28	1 4.02	+20 0.3	2.254	3.209	6.5	19.3
10 8	0 55.09	+19 55.3	2.237	3.215	4.3	19.2
10 18	0 46.15	+19 38.0	2.249	3.222	4.6	19.2
10 28	0 38.05	+19 12.3	2.289	3.228	6.9	19.4
11 7	0 31.51	+18 43.4	2.357	3.234	9.6	19.5
11 17	0 26.97	+18 16.1	2.448	3.240	12.1	19.7

124169 2001 OD_{21} 10 8.1 25°.09 0°.9/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 14.88	+ 6 53.9	1.056	1.971	16.8	18.7
9 18	1 10.28	+ 6 4.3	1.019	1.982	11.6	18.4
9 28	1 3.26	+ 5 0.4	1.002	1.994	5.8	18.2
10 8	0 55.08	+ 3 51.2	1.009	2.007	1.0	17.9
10 18	0 47.19	+ 2 47.0	1.039	2.022	6.4	18.3
10 28	0 40.98	+ 1 57.5	1.092	2.038	11.7	18.7
11 7	0 37.37	+ 1 28.6	1.166	2.054	16.3	19.0
11 17	0 36.76	+ 1 22.4	1.258	2.072	20.0	19.3

238886 2005 YB_{64} 10 8.1 12°.52 4°.2/ 5.7 18

9 8	1 15.01	+ 0 22.4	0.771	1.708	18.5	18.8
9 18	1 10.92	− 0 21.4	0.738	1.711	12.8	18.6
9 28	1 3.77	− 1 11.2	0.722	1.716	6.8	18.3
10 8	0 55.09	− 1 55.2	0.727	1.722	4.5	18.2
10 18	0 46.70	− 2 22.8	0.752	1.731	9.4	18.5
10 28	0 40.40	− 2 26.3	0.797	1.741	15.1	18.8
11 7	0 37.31	− 2 3.5	0.859	1.753	20.1	19.2
11 17	0 37.80	− 1 16.2	0.936	1.766	24.1	19.5

35613 1998 HS_{147} 10 8.1 40°.07 5°.6/ 2.5 18

9 8	1 15.97	− 9 1.1	1.923	2.827	11.0	18.3
9 18	1 10.28	− 9 59.5	1.880	2.831	8.1	18.1
9 28	1 3.06	−10 52.7	1.861	2.835	5.9	18.0
10 8	0 55.09	−11 34.2	1.870	2.839	6.1	18.0
10 18	0 47.27	−11 58.6	1.905	2.843	8.3	18.1
10 28	0 40.47	−12 3.0	1.966	2.848	11.1	18.3
11 7	0 35.36	−11 47.0	2.050	2.852	13.8	18.5
11 17	0 32.36	−11 12.0	2.152	2.857	16.1	18.7

68029 2000 YG_{28} 10 8.1 129°.82 2°.7/ 4.4 18

9 8	1 13.09	− 0 30.2	2.549	3.445	8.9	20.0
9 18	1 8.01	− 1 48.4	2.501	3.456	6.1	19.9
9 28	1 1.81	− 3 8.9	2.480	3.467	3.4	19.7
10 8	0 55.09	− 4 26.0	2.489	3.477	2.9	19.7
10 18	0 48.45	− 5 34.5	2.528	3.486	5.2	19.9
10 28	0 42.55	− 6 29.9	2.595	3.496	8.0	20.1
11 7	0 37.90	− 7 9.6	2.688	3.505	10.5	20.2
11 17	0 34.84	− 7 32.6	2.802	3.514	12.6	20.4

161027 2002 FM_{38} 10 8.1 356°.27 0°.9/ 6.5 18

9 8	1 9.31	+ 2 20.7	3.890	4.777	6.4	19.5
9 18	1 5.18	+ 1 58.8	3.825	4.776	4.3	19.4
9 28	1 0.32	+ 1 34.5	3.787	4.776	2.2	19.2
10 8	0 55.08	+ 1 10.1	3.779	4.775	1.0	19.1
10 18	0 49.86	+ 0 47.9	3.801	4.775	2.8	19.3
10 28	0 45.06	+ 0 30.1	3.852	4.774	4.9	19.4
11 7	0 41.03	+ 0 18.7	3.931	4.774	6.9	19.6
11 17	0 38.04	+ 0 14.6	4.035	4.774	8.6	19.7

155902 2001 FA_{184} 10 8.1 232°.02 0°.3/ 7.7 18

9 8	1 15.19	+ 6 20.4	2.420	3.302	9.9	20.2
9 18	1 9.61	+ 5 55.8	2.349	3.297	6.9	20.0
9 28	1 2.72	+ 5 24.2	2.304	3.292	3.5	19.7
10 8	0 55.10	+ 4 49.0	2.288	3.287	0.3	19.5
10 18	0 47.48	+ 4 14.1	2.301	3.281	3.7	19.7
10 28	0 40.59	+ 3 43.9	2.342	3.275	7.1	19.9
11 7	0 35.04	+ 3 21.8	2.411	3.269	10.1	20.1
11 17	0 31.27	+ 3 10.4	2.502	3.263	12.7	20.3

482711 2013 DJ 10 8.1 306°.48 3°.4/ 5.0 18

9 8	1 15.36	− 0 21.0	1.648	2.556	12.2	21.1
9 18	1 10.24	− 1 19.3	1.580	2.540	8.5	20.8
9 28	1 3.22	− 2 22.4	1.537	2.526	4.7	20.6
10 8	0 55.10	− 3 23.2	1.520	2.511	3.7	20.5
10 18	0 46.92	− 4 14.0	1.529	2.497	7.0	20.6
10 28	0 39.75	− 4 48.6	1.564	2.482	11.1	20.8
11 7	0 34.47	− 5 3.0	1.622	2.469	14.8	21.0
11 17	0 31.62	− 4 56.4	1.699	2.455	18.0	21.2

336776 2011 BG_{85} 10 8.1 220°.01 10°.0/18.6 18

9 8	1 20.63	+35 41.7	1.902	2.644	17.5	20.7
9 18	1 14.15	+36 9.4	1.817	2.637	15.2	20.5
9 28	1 5.34	+36 6.5	1.751	2.630	12.9	20.4
10 8	0 55.12	+35 29.9	1.707	2.623	10.9	20.2
10 18	0 44.72	+34 20.4	1.688	2.615	10.0	20.2
10 28	0 35.49	+32 44.1	1.693	2.606	10.7	20.2
11 7	0 28.52	+30 51.6	1.724	2.597	12.7	20.3
11 17	0 24.43	+28 54.5	1.777	2.588	15.2	20.5

351120 2003 WQ_{30} 10 8.1 324°.23 3°.8/11.1 18

9 8	1 14.93	+16 31.4	1.457	2.330	15.7	20.8
9 18	1 10.30	+16 26.5	1.378	2.312	11.9	20.5
9 28	1 3.40	+15 59.9	1.321	2.295	7.7	20.3
10 8	0 55.11	+15 13.4	1.287	2.279	4.1	20.0
10 18	0 46.59	+14 12.3	1.279	2.263	5.2	20.0
10 28	0 39.18	+13 5.3	1.297	2.249	9.6	20.3
11 7	0 33.96	+12 1.8	1.337	2.235	14.0	20.5
11 17	0 31.59	+11 10.0	1.398	2.221	17.9	20.7

222182 2000 CW_{59} 10 8.1 151°.75 1°.5/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.06	+ 4 57.2	1.831	2.722	12.1	20.6
9 18	1 11.80	+ 3 52.9	1.777	2.730	8.3	20.4
9 28	1 3.88	+ 2 40.0	1.748	2.738	4.1	20.2
10 8	0 55.12	+ 1 25.3	1.747	2.744	1.6	20.0
10 18	0 46.49	+ 0 15.6	1.775	2.751	5.3	20.3
10 28	0 38.96	− 0 42.1	1.831	2.756	9.2	20.5
11 7	0 33.24	− 1 23.6	1.911	2.761	12.7	20.8
11 17	0 29.79	− 1 46.6	2.013	2.766	15.6	21.0

334343 2001 XO_{232} 10 8.1 2°.11 3°.7/ 5.9 18

9 8	1 16.62	− 0 47.0	1.034	1.958	16.2	19.3
9 18	1 11.68	− 1 9.2	0.988	1.956	11.2	19.0
9 28	1 4.10	− 1 34.3	0.963	1.955	6.1	18.7
10 8	0 55.12	− 1 54.2	0.961	1.955	4.0	18.6
10 18	0 46.27	− 2 1.7	0.981	1.957	8.2	18.9
10 28	0 39.10	− 1 51.0	1.023	1.961	13.3	19.2
11 7	0 34.70	− 1 20.2	1.086	1.966	17.9	19.5
11 17	0 33.55	− 0 30.1	1.165	1.973	21.7	19.8

100881 1998 HK_{98} 10 8.1 100°.44 0°.1/ 7.9 17

9 8	1 22.71	+ 7 21.9	1.553	2.439	14.2	20.1
9 18	1 15.10	+ 6 56.6	1.511	2.460	9.8	19.9
9 28	1 5.56	+ 6 20.6	1.494	2.482	5.0	19.7
10 8	0 55.14	+ 5 39.2	1.503	2.502	0.1	19.3
10 18	0 45.04	+ 4 58.6	1.540	2.522	4.9	19.8
10 28	0 36.41	+ 4 25.0	1.605	2.542	9.4	20.1
11 7	0 30.05	+ 4 3.2	1.694	2.561	13.2	20.4
11 17	0 26.35	+ 3 55.7	1.804	2.579	16.3	20.6

130250 2000 CD_{116} 10 8.1 53°.25 3°.3/11.5 18

9 8	1 16.27	+17 16.7	2.171	3.018	12.2	19.5
9 18	1 10.50	+17 20.5	2.106	3.024	9.3	19.3
9 28	1 3.22	+17 9.2	2.064	3.031	6.1	19.2
10 8	0 55.13	+16 44.5	2.050	3.037	3.6	19.0
10 18	0 47.06	+16 9.5	2.064	3.043	4.1	19.1
10 28	0 39.88	+15 29.3	2.106	3.050	7.0	19.3
11 7	0 34.29	+14 49.6	2.174	3.057	10.0	19.5
11 17	0 30.73	+14 15.1	2.266	3.063	12.7	19.7

490225 2008 VC_{54} 10 8.1 271°.40 2°.4/10.1 18

9 8	1 18.17	+13 51.7	1.837	2.702	13.3	21.9
9 18	1 12.22	+13 42.0	1.750	2.684	9.8	21.6
9 28	1 4.28	+13 16.4	1.687	2.665	5.9	21.3
10 8	0 55.14	+12 37.3	1.651	2.646	2.5	21.1
10 18	0 45.78	+11 48.9	1.643	2.627	4.3	21.2
10 28	0 37.32	+10 57.8	1.662	2.607	8.5	21.4
11 7	0 30.70	+10 11.0	1.707	2.587	12.4	21.6
11 17	0 26.55	+ 9 34.1	1.773	2.567	15.9	21.8

293942 2007 TS_{15} 10 8.1 326°.28 2°.4/10.2 18

9 8	1 11.76	+15 2.8	1.375	2.261	15.7	19.9
9 18	1 8.17	+14 19.9	1.293	2.236	11.6	19.6
9 28	1 2.34	+13 12.0	1.231	2.213	7.0	19.3
10 8	0 55.12	+11 43.5	1.194	2.190	2.7	19.0
10 18	0 47.66	+10 2.4	1.182	2.169	5.0	19.1
10 28	0 41.28	+ 8 20.7	1.195	2.148	10.1	19.3
11 7	0 37.06	+ 6 49.8	1.231	2.128	14.9	19.5
11 17	0 35.68	+ 5 38.3	1.287	2.110	19.1	19.7

116387 2003 YM_{126} 10 8.1 317°.38 6°.8/ 3.1 18

9 8	1 19.51	−10 2.6	1.531	2.438	13.1	18.7
9 18	1 13.25	−10 43.9	1.470	2.422	9.8	18.5
9 28	1 4.81	−11 18.3	1.432	2.406	7.2	18.3
10 8	0 55.15	−11 37.8	1.420	2.391	7.2	18.3
10 18	0 45.47	−11 36.5	1.432	2.377	9.9	18.4
10 28	0 37.01	−11 11.0	1.469	2.363	13.4	18.6
11 7	0 30.74	−10 21.8	1.528	2.349	16.8	18.8
11 17	0 27.21	− 9 11.7	1.604	2.336	19.8	19.0

379588 2011 BO_{114} 10 8.1 302°.77 3°.0/10.3 18

9 8	1 17.76	+14 47.6	1.370	2.248	16.2	20.9
9 18	1 12.32	+14 34.7	1.299	2.238	12.0	20.6
9 28	1 4.45	+14 0.4	1.250	2.229	7.3	20.4
10 8	0 55.15	+13 7.8	1.224	2.219	3.3	20.1
10 18	0 45.72	+12 3.2	1.225	2.210	5.2	20.2
10 28	0 37.56	+10 56.1	1.251	2.201	10.0	20.4
11 7	0 31.79	+ 9 56.1	1.300	2.192	14.6	20.7
11 17	0 29.03	+ 9 10.5	1.368	2.184	18.6	20.9

483268 2015 TO_{183} 10 8.1 49°.60 0°.0/ 8.1 18

9 8	1 15.94	+ 7 37.2	2.013	2.897	11.5	21.0
9 18	1 10.31	+ 7 11.8	1.950	2.899	8.0	20.8
9 28	1 3.14	+ 6 37.2	1.913	2.901	4.1	20.6
10 8	0 55.16	+ 5 57.4	1.903	2.903	0.0	20.2
10 18	0 47.22	+ 5 17.2	1.922	2.905	4.0	20.6
10 28	0 40.20	+ 4 41.9	1.969	2.906	7.9	20.8
11 7	0 34.81	+ 4 15.8	2.041	2.908	11.3	21.1
11 17	0 31.48	+ 4 1.8	2.135	2.911	14.1	21.3

453725 2011 BA_4 10 8.1 327°.04 5°.1/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 13.70	− 7 19.9	2.056	2.962	10.3	20.9
9 18	1 8.74	− 8 28.3	2.003	2.957	7.4	20.7
9 28	1 2.32	− 9 34.1	1.975	2.952	5.3	20.6
10 8	0 55.16	−10 30.5	1.975	2.947	5.5	20.6
10 18	0 48.03	−11 11.9	2.002	2.943	7.8	20.7
10 28	0 41.78	−11 34.3	2.055	2.938	10.6	20.9
11 7	0 37.05	−11 36.2	2.130	2.934	13.3	21.1
11 17	0 34.26	−11 18.4	2.225	2.930	15.6	21.2

269549 2009 WS_5 10 8.1 0°.61 1°.1/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 8.55	+ 1 37.1	4.023	4.912	6.1	20.5
9 18	1 4.66	+ 1 7.8	3.959	4.912	4.2	20.3
9 28	1 0.08	+ 0 36.4	3.923	4.912	2.1	20.2
10 8	0 55.15	+ 0 5.4	3.917	4.912	1.2	20.1
10 18	0 50.23	− 0 23.0	3.941	4.912	2.9	20.2
10 28	0 45.71	− 0 46.4	3.994	4.912	4.9	20.4
11 7	0 41.93	− 1 3.1	4.075	4.912	6.8	20.5
11 17	0 39.13	− 1 11.8	4.180	4.913	8.4	20.6

267571 2002 QS_{73} 10 8.1 328°.39 4°.6/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.35	+18 59.2	2.115	2.951	12.9	20.0
9 18	1 12.87	+19 39.1	2.036	2.944	10.1	19.8
9 28	1 4.57	+20 3.8	1.980	2.936	7.1	19.6
10 8	0 55.18	+20 12.9	1.951	2.929	4.9	19.5
10 18	0 45.63	+20 7.7	1.949	2.922	5.2	19.5
10 28	0 36.93	+19 52.1	1.976	2.916	7.7	19.7
11 7	0 29.93	+19 31.6	2.029	2.910	10.8	19.8
11 17	0 25.19	+19 11.5	2.106	2.904	13.6	20.0

481679 2007 YZ_{36} 10 8.1 301°.10 5°.1/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.73	− 5 21.0	1.699	2.607	11.9	21.2
9 18	1 11.28	− 6 22.1	1.623	2.580	8.6	20.9
9 28	1 3.84	− 7 23.5	1.571	2.553	5.7	20.7
10 8	0 55.18	− 8 17.6	1.545	2.526	5.6	20.6
10 18	0 46.33	− 8 56.9	1.546	2.499	8.5	20.7
10 28	0 38.42	− 9 15.5	1.572	2.472	12.3	20.9
11 7	0 32.38	− 9 10.9	1.620	2.445	15.8	21.1
11 17	0 28.83	− 8 43.5	1.686	2.419	18.9	21.2

180303 2003 WQ_{140} 10 8.1 339°.76 5°.3/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.78	+19 25.3	1.235	2.104	18.2	19.4
9 18	1 11.83	+19 25.8	1.169	2.098	14.1	19.2
9 28	1 4.27	+18 58.5	1.124	2.092	9.6	18.9
10 8	0 55.18	+18 4.8	1.100	2.088	5.8	18.7
10 18	0 45.99	+16 50.9	1.101	2.083	6.3	18.7
10 28	0 38.24	+15 27.7	1.126	2.080	10.4	18.9
11 7	0 33.11	+14 7.4	1.174	2.077	15.0	19.2
11 17	0 31.21	+12 59.9	1.241	2.075	19.1	19.4

319227 Erichbär 10 8.1 254°.90 0°.4/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.91	+ 5 34.7	2.308	3.190	10.3	20.6
9 18	1 10.90	+ 5 21.3	2.234	3.183	7.1	20.4
9 28	1 3.44	+ 5 1.6	2.187	3.175	3.6	20.2
10 8	0 55.19	+ 4 38.6	2.168	3.167	0.4	19.9
10 18	0 46.89	+ 4 16.1	2.178	3.159	3.9	20.1
10 28	0 39.37	+ 3 58.1	2.217	3.150	7.4	20.4
11 7	0 33.29	+ 3 47.8	2.283	3.142	10.6	20.5
11 17	0 29.11	+ 3 47.6	2.371	3.134	13.3	20.7

127061 2002 GA_{51} 10 8.1 33°.37 2°.4/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.19	− 0 32.4	1.888	2.786	11.4	18.8
9 18	1 11.87	− 0 48.0	1.837	2.792	7.9	18.6
9 28	1 3.93	− 1 5.2	1.811	2.799	4.2	18.4
10 8	0 55.19	− 1 19.6	1.812	2.806	2.6	18.3
10 18	0 46.58	− 1 27.1	1.842	2.813	5.5	18.5
10 28	0 39.04	− 1 24.3	1.898	2.821	9.1	18.8
11 7	0 33.27	− 1 9.3	1.980	2.829	12.4	19.0
11 17	0 29.71	− 0 41.6	2.082	2.837	15.1	19.2

251353 2007 TJ_{114} 10 8.1 42°.12 2°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.24	+10 17.5	1.014	1.914	18.7	19.3
9 18	1 16.26	+10 39.3	0.976	1.929	13.4	19.1
9 28	1 6.43	+10 43.2	0.958	1.944	7.5	18.8
10 8	0 55.21	+10 32.7	0.963	1.960	2.4	18.5
10 18	0 44.36	+10 13.8	0.992	1.977	5.9	18.8
10 28	0 35.55	+ 9 54.6	1.044	1.995	11.4	19.2
11 7	0 29.88	+ 9 42.8	1.117	2.013	16.2	19.5
11 17	0 27.76	+ 9 43.0	1.208	2.032	20.1	19.9

374738 2006 SQ_{111} 10 8.1 46°.19 0°.8/ 8.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.15	+11 49.6	1.172	2.070	16.9	20.8
9 18	1 11.08	+10 46.6	1.128	2.081	11.9	20.6
9 28	1 3.70	+ 9 22.8	1.106	2.094	6.4	20.3
10 8	0 55.19	+ 7 46.6	1.108	2.107	0.9	20.0
10 18	0 46.93	+ 6 9.5	1.134	2.120	5.4	20.3
10 28	0 40.27	+ 4 43.2	1.186	2.134	10.8	20.7
11 7	0 36.11	+ 3 36.6	1.259	2.148	15.4	21.0
11 17	0 34.88	+ 2 53.8	1.352	2.162	19.1	21.3

355330 2007 TZ_{54} 10 8.1 3°.09 1°.1/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 13.87	+ 9 54.5	1.192	2.097	16.1	20.5
9 18	1 9.63	+ 9 38.8	1.139	2.095	11.5	20.2
9 28	1 3.05	+ 9 6.2	1.107	2.095	6.2	19.9
10 8	0 55.19	+ 8 22.1	1.097	2.096	1.2	19.6
10 18	0 47.37	+ 7 33.9	1.112	2.099	5.3	19.9
10 28	0 40.98	+ 6 50.7	1.151	2.103	10.5	20.2
11 7	0 37.00	+ 6 19.8	1.212	2.109	15.2	20.5
11 17	0 35.96	+ 6 5.6	1.291	2.116	19.0	20.7

6265 1985 TW_3 10 8.1 32°.62 2°.6/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.39	+ 2 7.4	0.875	1.799	18.4	15.5
9 18	1 14.36	+ 1 46.9	0.846	1.813	12.6	15.3
9 28	1 5.44	+ 1 19.1	0.836	1.828	6.4	15.0
10 8	0 55.21	+ 0 52.6	0.847	1.844	2.7	14.9
10 18	0 45.48	+ 0 35.6	0.881	1.862	7.8	15.2
10 28	0 37.91	+ 0 34.8	0.936	1.880	13.4	15.6
11 7	0 33.52	+ 0 53.0	1.011	1.900	18.2	16.0
11 17	0 32.65	+ 1 29.8	1.102	1.920	22.0	16.3

330533 2007 XZ_{15} 10 8.1 274°.43 4°.4/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.35	− 2 40.6	1.402	2.309	14.0	21.0
9 18	1 14.77	− 3 24.9	1.334	2.293	9.9	20.7
9 28	1 5.72	− 4 11.3	1.290	2.277	5.8	20.4
10 8	0 55.22	− 4 51.8	1.271	2.260	4.7	20.3
10 18	0 44.58	− 5 18.5	1.277	2.243	8.3	20.5
10 28	0 35.22	− 5 25.7	1.309	2.226	12.9	20.7
11 7	0 28.25	− 5 10.6	1.363	2.209	17.1	20.9
11 17	0 24.31	− 4 33.9	1.434	2.192	20.6	21.1

517976 2015 TT_{368} 10 8.1 114°.04 0°.5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.75	+10 45.0	2.360	3.234	10.4	21.3
9 18	1 7.95	+ 9 52.3	2.295	3.237	7.3	21.1
9 28	1 1.89	+ 8 48.3	2.255	3.240	3.9	20.9
10 8	0 55.19	+ 7 37.6	2.244	3.243	0.5	20.6
10 18	0 48.54	+ 6 25.3	2.262	3.246	3.4	20.9
10 28	0 42.64	+ 5 17.3	2.310	3.248	6.8	21.1
11 7	0 38.08	+ 4 18.6	2.384	3.251	9.9	21.3
11 17	0 35.25	+ 3 32.7	2.482	3.254	12.5	21.5

90727 1992 DP_5 10 8.1 194°.12 0°.0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.68	+ 7 46.6	2.405	3.283	10.1	20.0
9 18	1 9.97	+ 7 18.7	2.336	3.281	7.1	19.8
9 28	1 2.94	+ 6 42.6	2.293	3.280	3.7	19.6
10 8	0 55.20	+ 6 1.9	2.278	3.278	0.1	19.3
10 18	0 47.47	+ 5 20.5	2.294	3.275	3.6	19.6
10 28	0 40.50	+ 4 43.2	2.338	3.273	7.0	19.8
11 7	0 34.90	+ 4 13.8	2.409	3.270	10.0	20.0
11 17	0 31.09	+ 3 54.9	2.503	3.267	12.6	20.2

362328 2010 JB_{74} 10 8.1 80°.42 3°.6/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.05	− 0 15.6	1.172	2.082	15.9	20.8
9 18	1 15.81	− 0 56.6	1.134	2.095	10.9	20.6
9 28	1 6.10	− 1 41.0	1.117	2.107	5.9	20.3
10 8	0 55.23	− 2 20.3	1.126	2.119	3.9	20.2
10 18	0 44.71	− 2 46.9	1.159	2.132	7.9	20.5
10 28	0 36.01	− 2 54.9	1.217	2.144	12.7	20.8
11 7	0 30.08	− 2 42.5	1.296	2.156	16.9	21.1
11 17	0 27.33	− 2 10.5	1.392	2.168	20.3	21.4

25385 1999 UC_3 10 8.1 340°.61 4°.9/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.52	− 2 0.0	1.068	1.997	15.3	17.3
9 18	1 9.03	− 2 48.1	1.005	1.974	10.8	17.0
9 28	1 2.92	− 3 40.3	0.962	1.952	6.4	16.7
10 8	0 55.20	− 4 26.7	0.941	1.932	5.3	16.5
10 18	0 47.28	− 4 57.2	0.942	1.914	9.4	16.7
10 28	0 40.73	− 5 3.8	0.965	1.898	14.5	16.9
11 7	0 36.77	− 4 43.1	1.007	1.884	19.3	17.2
11 17	0 36.06	− 3 55.8	1.064	1.872	23.3	17.4

133624 2003 UP_{126} 10 8.1 115°.85 4°.7/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.91	+23 10.8	1.965	2.788	14.3	19.7
9 18	1 11.07	+22 45.0	1.901	2.800	11.2	19.5
9 28	1 3.56	+21 56.6	1.860	2.811	7.9	19.4
10 8	0 55.21	+20 47.9	1.845	2.822	5.2	19.2
10 18	0 46.97	+19 24.1	1.857	2.833	5.1	19.2
10 28	0 39.80	+17 53.0	1.898	2.843	7.6	19.4
11 7	0 34.45	+16 23.3	1.966	2.853	10.7	19.6
11 17	0 31.34	+15 2.1	2.057	2.863	13.6	19.8

442934 2013 CE_{66} 10 8.1 318°.66 8°.3/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.16	+24 19.3	1.510	2.341	17.4	20.5
9 18	1 13.59	+25 20.2	1.421	2.317	14.4	20.2
9 28	1 5.33	+25 57.7	1.353	2.294	11.2	20.0
10 8	0 55.23	+26 8.3	1.307	2.270	8.8	19.8
10 18	0 44.59	+25 51.4	1.285	2.248	8.6	19.7
10 28	0 34.96	+25 12.0	1.288	2.226	11.0	19.8
11 7	0 27.70	+24 19.2	1.313	2.205	14.6	19.9
11 17	0 23.70	+23 23.7	1.359	2.185	18.1	20.1

82653 2001 PF_{13} 10 8.1 11°.04 0°.3/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 15.51	+ 7 18.0	1.734	2.626	12.6	19.4
9 18	1 10.21	+ 6 40.6	1.674	2.627	8.8	19.2
9 28	1 3.17	+ 5 52.6	1.639	2.628	4.5	19.0
10 8	0 55.21	+ 4 59.1	1.630	2.629	0.3	18.6
10 18	0 47.30	+ 4 6.4	1.648	2.630	4.6	19.0
10 28	0 40.44	+ 3 21.1	1.694	2.632	8.9	19.2
11 7	0 35.41	+ 2 48.2	1.764	2.634	12.6	19.5
11 17	0 32.67	+ 2 30.7	1.855	2.636	15.7	19.7

404965 1998 TP_8 10 8.1 15°.05 2°.3/ 6.5 16

9 8	1 18.21	− 0 3.9	1.549	2.454	13.0	20.8
9 18	1 12.13	− 0 6.8	1.502	2.460	9.0	20.5
9 28	1 4.15	− 0 11.9	1.478	2.468	4.7	20.3
10 8	0 55.22	− 0 14.4	1.481	2.476	2.5	20.2
10 18	0 46.47	− 0 10.4	1.510	2.486	5.9	20.4
10 28	0 38.98	+ 0 3.9	1.565	2.497	10.1	20.7
11 7	0 33.59	+ 0 30.3	1.644	2.508	13.7	21.0
11 17	0 30.71	+ 1 9.1	1.743	2.520	16.8	21.2

398745 2013 AX_{20} 10 8.1 277°.40 6°.1/ 2.0 18

9 8	1 17.08	− 9 0.0	1.882	2.785	11.2	21.0
9 18	1 11.34	−10 12.1	1.813	2.764	8.4	20.8
9 28	1 3.80	−11 20.9	1.770	2.742	6.3	20.6
10 8	0 55.22	−12 18.8	1.754	2.721	6.6	20.6
10 18	0 46.55	−12 58.9	1.764	2.699	9.1	20.7
10 28	0 38.79	−13 16.4	1.800	2.677	12.2	20.8
11 7	0 32.78	−13 10.0	1.858	2.655	15.2	21.0
11 17	0 29.04	−12 40.7	1.934	2.632	17.8	21.2

143836 2003 XL_1 10 8.1 99°.91 3°.2/10.6 17

9 8	1 22.37	+15 35.5	1.506	2.370	15.8	20.1
9 18	1 15.09	+15 28.9	1.457	2.388	11.7	19.9
9 28	1 5.68	+15 2.6	1.431	2.406	7.2	19.7
10 8	0 55.24	+14 20.0	1.431	2.423	3.5	19.5
10 18	0 45.04	+13 26.8	1.457	2.441	4.9	19.7
10 28	0 36.33	+12 31.2	1.511	2.457	9.0	20.0
11 7	0 29.99	+11 41.2	1.589	2.473	13.0	20.2
11 17	0 26.46	+11 2.7	1.689	2.489	16.3	20.5

148523 2001 PH_{53} 10 8.1 29°.21 4°.3/11.3 18

9 8	1 18.71	+16 59.6	1.306	2.178	17.2	19.6
9 18	1 12.93	+17 7.0	1.251	2.183	13.0	19.3
9 28	1 4.74	+16 51.4	1.216	2.189	8.4	19.1
10 8	0 55.24	+16 14.9	1.205	2.196	4.7	18.9
10 18	0 45.80	+15 23.2	1.220	2.203	5.7	19.0
10 28	0 37.86	+14 25.4	1.259	2.210	9.9	19.3
11 7	0 32.44	+13 31.2	1.321	2.218	14.1	19.5
11 17	0 30.07	+12 48.1	1.403	2.226	17.8	19.8

54693 Garymyers 10 8.1 25°.34 0°.8/ 8.6 18

9 8	1 18.79	+ 8 24.9	1.055	1.963	17.5	18.0
9 18	1 13.13	+ 8 21.5	1.014	1.972	12.3	17.7
9 28	1 4.85	+ 8 2.8	0.993	1.982	6.5	17.5
10 8	0 55.24	+ 7 34.0	0.994	1.993	0.9	17.1
10 18	0 45.88	+ 7 2.6	1.020	2.006	5.8	17.5
10 28	0 38.31	+ 6 36.8	1.068	2.019	11.3	17.9
11 7	0 33.56	+ 6 23.1	1.138	2.033	16.1	18.2
11 17	0 32.09	+ 6 25.2	1.226	2.048	19.9	18.5

446028 2013 CH_{74} 10 8.1 264°.06 1°.5/ 9.6 18

9 8	1 15.63	+12 40.6	1.968	2.838	12.3	21.2
9 18	1 10.27	+12 8.3	1.889	2.827	8.9	20.9
9 28	1 3.23	+11 21.2	1.835	2.816	5.1	20.7
10 8	0 55.23	+10 22.9	1.808	2.805	1.6	20.4
10 18	0 47.15	+ 9 18.7	1.809	2.794	3.9	20.6
10 28	0 39.94	+ 8 15.5	1.839	2.782	7.9	20.8
11 7	0 34.39	+ 7 19.6	1.894	2.771	11.6	21.0
11 17	0 31.01	+ 6 36.1	1.971	2.759	14.7	21.2

333267 2012 JH_{32} 10 8.1 190°.21 0°.7/ 8.7 17

9 8	1 19.52	+10 26.5	1.694	2.572	13.6	21.7
9 18	1 13.09	+ 9 49.1	1.628	2.572	9.6	21.4
9 28	1 4.70	+ 8 57.1	1.586	2.571	5.2	21.2
10 8	0 55.24	+ 7 55.4	1.570	2.569	0.8	20.9
10 18	0 45.80	+ 6 50.6	1.583	2.567	4.5	21.1
10 28	0 37.50	+ 5 50.3	1.624	2.564	9.0	21.4
11 7	0 31.22	+ 5 1.3	1.689	2.561	13.0	21.6
11 17	0 27.47	+ 4 27.6	1.776	2.557	16.4	21.9

358950 2008 JD_{31} 10 8.1 162°.99 0°.5/ 8.7 18

9 8	1 13.98	+10 48.0	2.335	3.208	10.6	21.1
9 18	1 8.83	+ 9 57.6	2.269	3.210	7.5	21.0
9 28	1 2.37	+ 8 56.0	2.228	3.213	4.0	20.7
10 8	0 55.24	+ 7 47.3	2.216	3.215	0.6	20.5
10 18	0 48.15	+ 6 36.8	2.234	3.217	3.5	20.7
10 28	0 41.84	+ 5 30.4	2.281	3.219	6.9	20.9
11 7	0 36.92	+ 4 33.0	2.354	3.220	10.0	21.1
11 17	0 33.77	+ 3 48.3	2.451	3.221	12.7	21.3

312417 2008 GU_6 10 8.1 182°.95 1°.5/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 15.69	+ 3 1.2	2.132	3.025	10.6	20.8
9 18	1 10.09	+ 2 23.1	2.071	3.025	7.2	20.6
9 28	1 3.04	+ 1 39.7	2.036	3.025	3.7	20.4
10 8	0 55.24	+ 0 55.7	2.028	3.025	1.6	20.2
10 18	0 47.49	+ 0 15.9	2.050	3.025	4.7	20.5
10 28	0 40.60	− 0 14.9	2.099	3.025	8.2	20.7
11 7	0 35.23	− 0 33.4	2.174	3.024	11.4	20.9
11 17	0 31.80	− 0 37.9	2.270	3.024	14.0	21.1

228679 2002 KH_{14} 10 8.1 131°.61 0°.7/ 7.4 18

9 8	1 15.12	+ 8 31.9	1.882	2.768	12.1	20.5
9 18	1 9.79	+ 7 8.5	1.825	2.776	8.3	20.3
9 28	1 2.90	+ 5 32.6	1.794	2.783	4.2	20.1
10 8	0 55.24	+ 3 51.5	1.791	2.790	0.7	19.8
10 18	0 47.69	+ 2 13.2	1.817	2.796	4.7	20.1
10 28	0 41.14	+ 0 45.7	1.871	2.802	8.7	20.4
11 7	0 36.29	− 0 24.9	1.951	2.808	12.2	20.6
11 17	0 33.54	− 1 15.6	2.053	2.814	15.1	20.8

8064 Lisitsa 10 8.1 63°.74 1°.0/ 8.9 18

9 8	1 20.02	+ 9 36.8	1.691	2.571	13.5	17.2
9 18	1 13.21	+ 9 30.5	1.649	2.593	9.5	17.0
9 28	1 4.64	+ 9 12.6	1.630	2.615	5.1	16.8
10 8	0 55.26	+ 8 46.7	1.638	2.636	1.1	16.5
10 18	0 46.13	+ 8 17.6	1.674	2.658	4.2	16.8
10 28	0 38.29	+ 7 51.0	1.738	2.680	8.4	17.1
11 7	0 32.47	+ 7 31.8	1.826	2.702	12.0	17.4
11 17	0 29.09	+ 7 23.0	1.936	2.723	15.0	17.6

349196 2007 RR_{204} 10 8.1 110°.24 1°.9/ 9.9 18

9 8	1 17.03	+13 32.0	1.837	2.706	13.1	20.7
9 18	1 11.21	+13 4.5	1.777	2.713	9.5	20.5
9 28	1 3.68	+12 21.6	1.740	2.719	5.6	20.3
10 8	0 55.26	+11 27.0	1.730	2.726	2.0	20.1
10 18	0 46.92	+10 26.3	1.748	2.732	4.0	20.3
10 28	0 39.64	+ 9 26.5	1.794	2.739	8.0	20.5
11 7	0 34.18	+ 8 34.1	1.866	2.745	11.6	20.8
11 17	0 31.00	+ 7 53.7	1.959	2.751	14.7	21.0

260280 2004 TB_{25} 10 8.1 61°.48 1°.0/ 9.1 18

9 8	1 15.66	+10 36.7	2.045	2.920	11.7	20.6
9 18	1 10.11	+10 15.1	1.986	2.928	8.3	20.4
9 28	1 3.06	+ 9 42.3	1.952	2.935	4.6	20.2
10 8	0 55.25	+ 9 1.8	1.945	2.943	1.1	19.9
10 18	0 47.52	+ 8 18.1	1.967	2.951	3.7	20.2
10 28	0 40.71	+ 7 36.8	2.017	2.959	7.4	20.4
11 7	0 35.51	+ 7 2.6	2.092	2.967	10.7	20.6
11 17	0 32.34	+ 6 39.2	2.191	2.975	13.6	20.9

478657 2012 TX_{244} 10 8.1 39°.51 2°.2/ 6.5 18

9 8	1 17.77	+ 2 55.1	1.364	2.271	14.3	21.1
9 18	1 12.00	+ 2 12.5	1.320	2.280	9.8	20.8
9 28	1 4.15	+ 1 22.7	1.299	2.290	5.0	20.6
10 8	0 55.27	+ 0 33.1	1.303	2.299	2.3	20.4
10 18	0 46.60	− 0 8.9	1.333	2.310	6.4	20.7
10 28	0 39.34	− 0 36.8	1.388	2.320	10.9	21.0
11 7	0 34.36	− 0 46.9	1.465	2.331	14.9	21.3
11 17	0 32.09	− 0 38.1	1.561	2.343	18.2	21.6

237265 Golobokov 10 8.1 349°.02 1°.7/ 9.8 18

9 8	1 11.61	+15 42.3	1.365	2.249	15.9	19.3
9 18	1 7.92	+14 18.0	1.300	2.244	11.6	19.0
9 28	1 2.15	+12 26.9	1.256	2.239	6.7	18.7
10 8	0 55.25	+10 16.6	1.237	2.235	2.0	18.4
10 18	0 48.36	+ 7 58.8	1.245	2.232	4.8	18.6
10 28	0 42.69	+ 5 47.4	1.279	2.229	9.9	18.9
11 7	0 39.14	+ 3 54.4	1.337	2.228	14.5	19.2
11 17	0 38.23	+ 2 27.1	1.416	2.227	18.3	19.4

61820 2000 QV_{191} 10 8.1 11°.78 5°.0/ 2.2 18

9 8	1 13.22	− 8 54.3	2.254	3.157	9.6	18.7
9 18	1 8.30	− 9 53.9	2.208	3.159	7.1	18.5
9 28	1 2.10	−10 49.1	2.188	3.161	5.3	18.4
10 8	0 55.26	−11 34.4	2.195	3.163	5.4	18.5
10 18	0 48.50	−12 5.1	2.230	3.165	7.4	18.6
10 28	0 42.56	−12 18.1	2.291	3.168	9.9	18.7
11 7	0 38.02	−12 12.6	2.375	3.171	12.3	18.9
11 17	0 35.25	−11 49.4	2.478	3.174	14.4	19.1

250694 2005 QX_{122} 10 8.1 316°.92 0°.1/ 8.0 18

9 8	1 14.86	+ 7 59.3	1.867	2.755	12.0	20.4
9 18	1 9.75	+ 7 21.7	1.798	2.749	8.4	20.2
9 28	1 2.97	+ 6 33.0	1.755	2.743	4.3	19.9
10 8	0 55.28	+ 5 38.1	1.738	2.737	0.1	19.5
10 18	0 47.57	+ 4 42.8	1.749	2.731	4.4	19.9
10 28	0 40.78	+ 3 53.4	1.787	2.726	8.5	20.1
11 7	0 35.69	+ 3 15.4	1.851	2.721	12.1	20.3
11 17	0 32.78	+ 2 52.1	1.935	2.715	15.2	20.5

320462 2007 VM_{249} 10 8.1 341°.90 3°.7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 15.11	+ 2 33.7	1.138	2.057	15.5	20.3
9 18	1 10.58	+ 1 0.2	1.086	2.052	10.7	20.0
9 28	1 3.60	− 0 44.7	1.057	2.048	5.6	19.7
10 8	0 55.29	− 2 28.9	1.051	2.044	4.1	19.6
10 18	0 47.02	− 3 59.6	1.069	2.041	8.5	19.9
10 28	0 40.24	− 5 6.1	1.111	2.039	13.6	20.2
11 7	0 35.97	− 5 42.8	1.173	2.037	18.1	20.4
11 17	0 34.74	− 5 49.3	1.251	2.035	21.8	20.7

482584 2012 XA_{53} 10 8.1 247°.28 7°.0/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.16	−13 25.9	2.077	2.973	10.6	21.6
9 18	1 11.22	−14 41.8	2.020	2.960	8.4	21.5
9 28	1 3.69	−15 50.4	1.990	2.947	7.0	21.4
10 8	0 55.29	−16 44.3	1.986	2.934	7.5	21.4
10 18	0 46.90	−17 17.8	2.009	2.920	9.6	21.5
10 28	0 39.40	−17 27.6	2.057	2.906	12.1	21.6
11 7	0 33.55	−17 13.5	2.126	2.892	14.6	21.8
11 17	0 29.79	−16 37.4	2.214	2.877	16.7	21.9

297090 2010 KK_{123} 10 8.1 51°.60 1°.0/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.76	+11 30.8	1.039	1.940	18.2	20.6
9 18	1 12.97	+10 40.0	1.007	1.961	12.9	20.3
9 28	1 4.68	+ 9 28.5	0.995	1.983	6.9	20.1
10 8	0 55.30	+ 8 5.2	1.007	2.006	1.1	19.8
10 18	0 46.38	+ 6 41.6	1.043	2.028	5.7	20.2
10 28	0 39.35	+ 5 29.0	1.102	2.052	11.2	20.6
11 7	0 35.11	+ 4 35.8	1.183	2.075	15.8	20.9
11 17	0 34.00	+ 4 5.3	1.283	2.099	19.6	21.2

396533 2014 GB_{37} 10 8.1 304°.76 3°.7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.80	+ 2 35.5	1.572	2.482	12.6	19.9
9 18	1 8.54	+ 0 17.7	1.509	2.471	8.6	19.6
9 28	1 2.43	− 2 12.1	1.471	2.460	4.8	19.4
10 8	0 55.29	− 4 42.0	1.461	2.450	4.3	19.4
10 18	0 48.12	− 6 59.1	1.479	2.439	8.0	19.5
10 28	0 41.98	− 8 52.4	1.523	2.429	12.1	19.8
11 7	0 37.71	−10 15.6	1.590	2.420	15.9	20.0
11 17	0 35.83	−11 7.1	1.676	2.410	19.0	20.2

239800 1993 PR_{1} 10 8.1 42°.57 5°.9/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.29	− 5 54.1	1.610	2.523	12.1	20.0
9 18	1 9.39	− 7 39.2	1.571	2.529	8.7	19.8
9 28	1 2.76	− 9 22.2	1.557	2.536	6.2	19.7
10 8	0 55.30	−10 52.9	1.569	2.542	6.5	19.7
10 18	0 47.98	−12 3.1	1.608	2.549	9.2	19.9
10 28	0 41.81	−12 47.3	1.671	2.556	12.5	20.1
11 7	0 37.51	−13 4.3	1.755	2.564	15.5	20.3
11 17	0 35.51	−12 55.6	1.857	2.571	18.0	20.5

519193 2010 PB_{38} 10 8.1 123°.28 3°.5/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.82	− 1 0.0	1.821	2.725	11.5	21.8
9 18	1 10.33	− 2 11.6	1.771	2.729	7.9	21.6
9 28	1 3.23	− 3 26.1	1.745	2.732	4.5	21.4
10 8	0 55.31	− 4 36.1	1.747	2.736	3.8	21.4
10 18	0 47.49	− 5 34.8	1.777	2.739	6.7	21.5
10 28	0 40.70	− 6 16.5	1.833	2.742	10.3	21.8
11 7	0 35.65	− 6 38.4	1.913	2.746	13.5	22.0
11 17	0 32.77	− 6 40.2	2.013	2.749	16.1	22.2

312461 2008 RK_{14} 10 8.1 19°.20 1°.5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 9.18	+15 7.1	4.140	4.984	7.0	20.5
9 18	1 5.15	+14 53.9	4.065	4.985	5.1	20.4
9 28	1 0.40	+14 33.3	4.015	4.985	3.2	20.2
10 8	0 55.28	+14 6.6	3.995	4.986	1.6	20.1
10 18	0 50.16	+13 35.8	4.005	4.987	2.2	20.2
10 28	0 45.43	+13 3.3	4.045	4.988	4.0	20.3
11 7	0 41.45	+12 31.9	4.114	4.989	5.9	20.4
11 17	0 38.47	+12 3.8	4.208	4.990	7.6	20.6

173838 2001 TD_{100} 10 8.1 351°.72 0°.2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.65	+ 4 49.2	1.884	2.773	11.9	19.0
9 18	1 12.40	+ 5 6.6	1.816	2.767	8.3	18.8
9 28	1 4.37	+ 5 18.6	1.774	2.762	4.3	18.5
10 8	0 55.35	+ 5 27.6	1.758	2.757	0.2	18.2
10 18	0 46.29	+ 5 36.3	1.771	2.754	4.3	18.5
10 28	0 38.21	+ 5 48.3	1.812	2.751	8.4	18.8
11 7	0 31.90	+ 6 6.3	1.878	2.748	12.0	19.0
11 17	0 27.90	+ 6 32.3	1.966	2.747	15.0	19.2

168138 2006 GW_{49} 10 8.1 104°.59 0°.1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.81	+ 9 34.8	1.876	2.759	12.3	19.9
9 18	1 10.26	+ 8 23.8	1.825	2.773	8.5	19.7
9 28	1 3.17	+ 7 0.3	1.800	2.787	4.4	19.5
10 8	0 55.34	+ 5 30.9	1.802	2.801	0.1	19.2
10 18	0 47.68	+ 4 3.0	1.833	2.814	4.3	19.5
10 28	0 41.07	+ 2 44.1	1.892	2.828	8.3	19.8
11 7	0 36.18	+ 1 40.1	1.977	2.841	11.8	20.1
11 17	0 33.40	+ 0 54.0	2.084	2.853	14.6	20.3

262053 2006 RA_{8} 10 8.1 300°.85 2°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.89	+12 51.7	1.324	2.207	16.3	20.0
9 18	1 14.03	+12 58.1	1.250	2.192	12.1	19.7
9 28	1 5.53	+12 46.3	1.196	2.178	7.2	19.4
10 8	0 55.38	+12 18.2	1.167	2.163	3.0	19.1
10 18	0 44.96	+11 39.0	1.163	2.149	5.4	19.2
10 28	0 35.81	+10 56.6	1.185	2.135	10.5	19.5
11 7	0 29.17	+10 19.9	1.229	2.121	15.4	19.7
11 17	0 25.77	+ 9 55.4	1.292	2.108	19.5	20.0

443428 2014 HW_{118} 10 8.1 28°.84 5°.1/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.75	− 4 58.3	1.541	2.453	12.6	20.5
9 18	1 10.43	− 6 1.5	1.502	2.461	8.9	20.3
9 28	1 3.32	− 7 2.5	1.487	2.470	5.8	20.2
10 8	0 55.35	− 7 53.5	1.498	2.480	5.5	20.2
10 18	0 47.58	− 8 27.6	1.534	2.490	8.3	20.4
10 28	0 41.04	− 8 40.8	1.596	2.500	11.8	20.6
11 7	0 36.50	− 8 31.8	1.679	2.511	15.0	20.9
11 17	0 34.34	− 8 2.1	1.781	2.523	17.7	21.1

288274 2003 YH_{167} 10 8.1 346°.53 3°.7/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.03	+17 57.3	1.819	2.672	14.0	20.6
9 18	1 11.38	+17 52.4	1.750	2.671	10.7	20.4
9 28	1 3.89	+17 28.7	1.703	2.670	7.0	20.2
10 8	0 55.37	+16 48.0	1.682	2.670	4.1	20.0
10 18	0 46.82	+15 54.7	1.688	2.669	4.7	20.1
10 28	0 39.30	+14 55.7	1.721	2.669	8.0	20.3
11 7	0 33.65	+13 58.4	1.780	2.668	11.6	20.5
11 17	0 30.39	+13 9.3	1.862	2.668	14.7	20.7

284255 2006 GC_{20} 10 8.1 131°.91 2°.2/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.96	+ 1 31.8	1.778	2.675	12.1	21.2
9 18	1 12.57	+ 0 58.1	1.723	2.678	8.3	21.0
9 28	1 4.42	+ 0 19.9	1.693	2.682	4.3	20.8
10 8	0 55.37	− 0 17.4	1.690	2.685	2.3	20.6
10 18	0 46.42	− 0 48.2	1.715	2.689	5.6	20.9
10 28	0 38.58	− 1 7.6	1.767	2.692	9.6	21.1
11 7	0 32.62	− 1 12.7	1.843	2.695	13.1	21.3
11 17	0 29.01	− 1 2.3	1.941	2.698	16.0	21.6

317302 2002 GX_{91} 10 8.1 144°.91 0°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.76	+ 4 44.5	2.557	3.441	9.3	21.3
9 18	1 9.27	+ 4 2.9	2.498	3.448	6.4	21.2
9 28	1 2.60	+ 3 15.8	2.467	3.456	3.2	21.0
10 8	0 55.35	+ 2 27.1	2.464	3.462	1.0	20.8
10 18	0 48.17	+ 1 41.0	2.492	3.469	3.8	21.0
10 28	0 41.73	+ 1 1.8	2.549	3.475	6.9	21.3
11 7	0 36.56	+ 0 32.7	2.632	3.481	9.7	21.4
11 17	0 33.04	+ 0 15.6	2.738	3.486	12.0	21.6

454304 2014 JN_{55} 10 8.1 306°.09 23°.0/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 30.38	−41 2.5	1.042	1.874	23.4	20.2
9 18	1 21.85	−42 50.2	1.024	1.864	23.1	20.1
9 28	1 9.51	−43 47.1	1.020	1.853	23.4	20.1
10 8	0 55.43	−43 40.2	1.030	1.843	24.4	20.1
10 18	0 42.06	−42 25.9	1.054	1.833	25.8	20.2
10 28	0 31.58	−40 10.0	1.090	1.824	27.5	20.3
11 7	0 25.16	−37 5.6	1.138	1.815	29.2	20.5
11 17	0 23.04	−33 26.7	1.195	1.806	30.7	20.6

212523 2006 RB_{55} 10 8.1 57°.01 1°.0/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.15	+ 5 26.4	1.804	2.698	12.1	20.7
9 18	1 10.61	+ 4 45.5	1.749	2.703	8.3	20.5
9 28	1 3.41	+ 3 56.3	1.719	2.709	4.2	20.2
10 8	0 55.38	+ 3 4.2	1.716	2.714	1.0	20.0
10 18	0 47.43	+ 2 15.1	1.741	2.720	4.8	20.3
10 28	0 40.53	+ 1 35.0	1.792	2.726	8.8	20.5
11 7	0 35.40	+ 1 8.1	1.869	2.732	12.4	20.8
11 17	0 32.49	+ 0 56.8	1.966	2.738	15.3	21.0

91179 1998 RR_{26} 10 8.1 33°.07 1°.7/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.59	+11 24.1	1.931	2.804	12.4	19.1
9 18	1 11.59	+11 27.4	1.871	2.810	9.0	18.9
9 28	1 3.92	+11 18.9	1.835	2.816	5.1	18.7
10 8	0 55.39	+11 1.2	1.827	2.823	1.8	18.5
10 18	0 46.90	+10 37.8	1.846	2.830	3.9	18.6
10 28	0 39.41	+10 13.8	1.893	2.837	7.6	18.9
11 7	0 33.67	+ 9 54.0	1.966	2.845	11.1	19.1
11 17	0 30.13	+ 9 42.2	2.061	2.853	14.0	19.3

469902 2005 WF_{99} 10 8.1 346°.57 6°.9/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.88	− 6 48.4	1.142	2.064	15.1	20.3
9 18	1 11.86	− 7 44.2	1.092	2.055	11.0	20.0
9 28	1 4.32	− 8 36.0	1.064	2.047	7.6	19.8
10 8	0 55.39	− 9 13.4	1.059	2.040	7.3	19.8
10 18	0 46.52	− 9 28.0	1.077	2.034	10.6	20.0
10 28	0 39.17	− 9 15.0	1.116	2.030	14.9	20.2
11 7	0 34.41	− 8 34.2	1.175	2.026	18.9	20.4
11 17	0 32.78	− 7 29.0	1.251	2.024	22.3	20.7

377537 2005 GP_{172} 10 8.1 78°.09 1°.8/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.88	+ 3 44.6	1.363	2.263	14.8	21.2
9 18	1 14.71	+ 3 0.3	1.330	2.287	10.1	21.0
9 28	1 5.49	+ 2 8.6	1.321	2.311	5.1	20.7
10 8	0 55.41	+ 1 17.0	1.337	2.334	2.0	20.6
10 18	0 45.74	+ 0 32.7	1.380	2.358	6.1	20.9
10 28	0 37.69	+ 0 2.2	1.449	2.381	10.7	21.3
11 7	0 32.06	− 0 11.1	1.541	2.404	14.6	21.6
11 17	0 29.20	− 0 6.5	1.653	2.426	17.7	21.8

217647 1998 OR_{11} 10 8.1 1°.60 26°.2/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.12	+45 55.1	0.924	1.675	31.3	18.6
9 18	1 18.18	+50 14.0	0.885	1.669	29.9	18.4
9 28	1 8.99	+53 44.9	0.857	1.667	28.6	18.3
10 8	0 55.45	+56 10.7	0.841	1.667	27.5	18.3
10 18	0 40.17	+57 20.4	0.836	1.670	26.7	18.2
10 28	0 27.11	+57 14.9	0.843	1.677	26.2	18.2
11 7	0 19.62	+56 8.3	0.860	1.686	26.3	18.3
11 17	0 19.16	+54 20.1	0.889	1.699	26.7	18.4

428347 2007 LR_{30} 10 8.1 107°.39 1°.5/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 8.85	− 0 55.8	4.326	5.217	5.7	21.5
9 18	1 4.88	− 1 24.6	4.268	5.221	3.9	21.4
9 28	1 0.27	− 1 54.2	4.238	5.225	2.1	21.3
10 8	0 55.35	− 2 22.4	4.238	5.229	1.6	21.2
10 18	0 50.45	− 2 46.9	4.268	5.233	3.0	21.4
10 28	0 45.93	− 3 5.8	4.328	5.236	4.8	21.5
11 7	0 42.10	− 3 17.6	4.415	5.240	6.5	21.6
11 17	0 39.19	− 3 21.5	4.525	5.244	8.0	21.7

261258 2005 UA_{87} 10 8.1 219°.32 2°.3/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.58	− 0 47.5	2.536	3.427	9.2	21.4
9 18	1 10.61	− 1 22.0	2.467	3.419	6.3	21.2
9 28	1 3.35	− 1 58.4	2.425	3.411	3.5	21.0
10 8	0 55.40	− 2 32.7	2.412	3.403	2.5	20.9
10 18	0 47.44	− 3 0.9	2.428	3.394	4.9	21.1
10 28	0 40.19	− 3 19.3	2.474	3.385	7.8	21.3
11 7	0 34.25	− 3 25.8	2.545	3.376	10.6	21.4
11 17	0 30.03	− 3 19.3	2.639	3.366	12.9	21.6

521608 2015 PZ_{319} 10 8.1 310°.30 8°.0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.54	+25 48.5	1.819	2.620	16.1	20.9
9 18	1 17.66	+27 3.4	1.745	2.619	13.3	20.7
9 28	1 7.32	+27 56.5	1.693	2.618	10.5	20.5
10 8	0 55.45	+28 24.4	1.666	2.617	8.4	20.4
10 18	0 43.30	+28 26.7	1.665	2.616	8.2	20.4
10 28	0 32.28	+28 7.3	1.692	2.615	10.0	20.5
11 7	0 23.52	+27 34.2	1.743	2.614	12.7	20.6
11 17	0 17.73	+26 55.9	1.816	2.613	15.4	20.8

382044 2011 DP_{5} 10 8.1 301°.44 2°.7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.27	+ 3 15.7	1.332	2.242	14.4	20.9
9 18	1 11.38	+ 2 9.1	1.260	2.222	10.0	20.6
9 28	1 4.12	+ 0 50.7	1.211	2.202	5.2	20.3
10 8	0 55.41	− 0 30.9	1.187	2.183	2.9	20.1
10 18	0 46.50	− 1 45.5	1.188	2.164	7.3	20.3
10 28	0 38.77	− 2 43.4	1.214	2.145	12.4	20.5
11 7	0 33.34	− 3 18.0	1.261	2.126	17.0	20.7
11 17	0 30.85	− 3 26.9	1.326	2.108	20.9	21.0

184441 2005 NG_{32} 10 8.1 122°.73 0°.8/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.37	+11 23.7	1.607	2.487	14.1	20.5
9 18	1 12.30	+10 31.6	1.552	2.497	10.0	20.3
9 28	1 4.33	+ 9 23.5	1.522	2.507	5.4	20.0
10 8	0 55.41	+ 8 5.4	1.517	2.516	0.9	19.8
10 18	0 46.64	+ 6 45.1	1.541	2.525	4.5	20.0
10 28	0 39.11	+ 5 31.2	1.592	2.534	9.0	20.3
11 7	0 33.65	+ 4 30.8	1.667	2.542	13.0	20.6
11 17	0 30.68	+ 3 48.0	1.764	2.550	16.3	20.8

77663 2001 LR_{14} 10 8.1 206°.43 8°.3/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.51	−17 21.1	2.006	2.897	11.2	19.0
9 18	1 11.48	−18 43.0	1.965	2.894	9.2	18.9
9 28	1 3.85	−19 53.2	1.950	2.892	8.3	18.8
10 8	0 55.42	−20 44.2	1.960	2.889	8.9	18.9
10 18	0 47.09	−21 10.6	1.996	2.885	10.7	19.0
10 28	0 39.79	−21 10.4	2.056	2.882	13.0	19.1
11 7	0 34.22	−20 44.5	2.136	2.878	15.2	19.3
11 17	0 30.80	−19 56.2	2.233	2.875	17.1	19.4

357753 2005 SD_{80} 10 8.1 76°.75 1°.1/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.36	+ 5 1.9	1.978	2.870	11.3	21.2
9 18	1 9.97	+ 4 16.8	1.922	2.875	7.7	21.0
9 28	1 3.07	+ 3 24.2	1.891	2.881	3.9	20.7
10 8	0 55.41	+ 2 29.3	1.888	2.886	1.2	20.6
10 18	0 47.83	+ 1 37.9	1.913	2.892	4.6	20.8
10 28	0 41.19	+ 0 55.4	1.967	2.897	8.4	21.1
11 7	0 36.16	+ 0 25.8	2.045	2.902	11.7	21.3
11 17	0 33.17	+ 0 11.3	2.144	2.908	14.4	21.5

37905 1998 FU_{70} 10 8.1 236°.12 0°.9/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 14.22	+ 9 38.3	1.717	2.605	12.9	18.4
9 18	1 9.41	+ 7 45.2	1.651	2.603	8.9	18.2
9 28	1 2.86	+ 5 35.0	1.611	2.601	4.5	17.9
10 8	0 55.41	+ 3 16.9	1.600	2.598	1.0	17.6
10 18	0 47.99	+ 1 1.6	1.618	2.596	5.3	18.0
10 28	0 41.61	− 0 59.8	1.664	2.593	9.7	18.2
11 7	0 37.02	− 2 39.4	1.735	2.591	13.5	18.4
11 17	0 34.68	− 3 53.2	1.827	2.588	16.7	18.7

178642 2000 JC_{71} 10 8.1 173°.12 3°.6/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.86	+20 19.9	2.372	3.199	12.0	20.5
9 18	1 10.94	+20 2.1	2.297	3.202	9.3	20.3
9 28	1 3.57	+19 27.3	2.247	3.204	6.3	20.2
10 8	0 55.43	+18 37.2	2.224	3.206	3.9	20.0
10 18	0 47.30	+17 35.6	2.230	3.207	4.1	20.0
10 28	0 39.99	+16 28.1	2.265	3.208	6.7	20.2
11 7	0 34.18	+15 21.2	2.328	3.208	9.5	20.4
11 17	0 30.30	+14 20.4	2.415	3.208	12.2	20.6

292127 2006 RK_{73} 10 8.1 330°.23 1°.0/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.57	+ 6 3.9	1.674	2.572	12.7	20.6
9 18	1 9.73	+ 5 13.2	1.609	2.565	8.8	20.4
9 28	1 3.08	+ 4 11.7	1.569	2.559	4.4	20.1
10 8	0 55.43	+ 3 5.6	1.554	2.552	1.1	19.9
10 18	0 47.76	+ 2 2.0	1.567	2.547	5.2	20.1
10 28	0 41.12	+ 1 8.4	1.606	2.541	9.5	20.4
11 7	0 36.31	+ 0 30.1	1.669	2.536	13.4	20.6
11 17	0 33.83	+ 0 10.1	1.752	2.531	16.6	20.8

454221 2013 JK_{9} 10 8.1 76°.04 3°.0/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.26	− 2 27.3	2.124	3.021	10.4	20.7
9 18	1 11.15	− 2 58.2	2.075	3.030	7.2	20.5
9 28	1 3.64	− 3 29.3	2.052	3.038	4.1	20.3
10 8	0 55.44	− 3 55.8	2.058	3.047	3.2	20.3
10 18	0 47.37	− 4 13.7	2.091	3.056	5.7	20.5
10 28	0 40.24	− 4 19.5	2.153	3.064	8.8	20.7
11 7	0 34.68	− 4 11.8	2.239	3.073	11.7	20.9
11 17	0 31.09	− 3 50.2	2.346	3.081	14.1	21.1

515485 2014 BS_{44} 10 8.1 286°.83 0°.4/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.54	+ 9 15.9	1.568	2.456	13.9	22.0
9 18	1 12.04	+ 8 44.8	1.491	2.440	9.9	21.7
9 28	1 4.40	+ 7 59.1	1.437	2.424	5.3	21.4
10 8	0 55.45	+ 7 3.4	1.408	2.407	0.5	21.1
10 18	0 46.34	+ 6 4.4	1.407	2.391	4.9	21.3
10 28	0 38.27	+ 5 10.1	1.432	2.375	9.8	21.6
11 7	0 32.27	+ 4 27.6	1.481	2.358	14.2	21.8
11 17	0 28.94	+ 4 1.6	1.550	2.342	17.9	22.0

488985 2005 UW_{360} 10 8.1 356°.28 0°.4/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.29	+ 7 14.9	1.138	2.049	16.2	20.8
9 18	1 10.79	+ 6 42.7	1.084	2.044	11.4	20.5
9 28	1 3.81	+ 5 55.7	1.050	2.041	5.8	20.2
10 8	0 55.44	+ 5 0.7	1.040	2.039	0.4	19.8
10 18	0 47.10	+ 4 6.7	1.053	2.038	6.0	20.2
10 28	0 40.22	+ 3 22.9	1.091	2.038	11.5	20.5
11 7	0 35.90	+ 2 56.5	1.149	2.039	16.3	20.8
11 17	0 34.66	+ 2 50.6	1.225	2.041	20.3	21.1

268904 2007 BX_{77} 10 8.1 133°.65 2°.5/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.63	+14 13.1	1.748	2.612	14.0	21.2
9 18	1 13.85	+14 4.5	1.688	2.620	10.3	21.0
9 28	1 5.16	+13 39.7	1.652	2.628	6.2	20.8
10 8	0 55.47	+13 1.5	1.642	2.636	2.7	20.6
10 18	0 45.85	+12 14.9	1.660	2.644	4.3	20.7
10 28	0 37.43	+11 26.6	1.706	2.651	8.3	21.0
11 7	0 31.02	+10 43.3	1.777	2.657	12.0	21.2
11 17	0 27.13	+10 10.1	1.871	2.664	15.2	21.4

276745 2004 FE_{23} 10 8.1 280°.95 1°.4/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.33	+ 6 20.6	1.455	2.356	14.0	20.8
9 18	1 11.17	+ 5 10.4	1.391	2.348	9.7	20.5
9 28	1 3.91	+ 3 46.4	1.350	2.340	4.9	20.2
10 8	0 55.46	+ 2 16.7	1.335	2.333	1.5	20.0
10 18	0 46.97	+ 0 50.8	1.346	2.325	6.0	20.2
10 28	0 39.68	− 0 21.7	1.383	2.317	10.9	20.5
11 7	0 34.51	− 1 13.9	1.444	2.310	15.2	20.8
11 17	0 32.02	− 1 42.9	1.523	2.302	18.7	21.0

186484 2002 TE_{109} 10 8.1 18°.79 4°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.74	+17 35.9	1.163	2.043	18.3	19.1
9 18	1 11.09	+17 16.7	1.110	2.047	13.8	18.9
9 28	1 3.94	+16 29.9	1.077	2.052	8.8	18.6
10 8	0 55.46	+15 19.8	1.066	2.058	4.6	18.4
10 18	0 47.06	+13 54.9	1.079	2.065	5.7	18.5
10 28	0 40.22	+12 27.2	1.117	2.072	10.3	18.8
11 7	0 35.98	+11 8.6	1.177	2.081	14.9	19.1
11 17	0 34.84	+10 7.2	1.256	2.090	18.9	19.4

364064 2005 XQ_{53} 10 8.1 258°.25 1°.7/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 17.25	+ 1 41.9	2.113	3.005	10.6	21.2
9 18	1 11.26	+ 1 17.3	2.049	3.003	7.3	21.0
9 28	1 3.77	+ 0 48.8	2.011	3.000	3.8	20.8
10 8	0 55.46	+ 0 20.6	2.001	2.997	1.8	20.6
10 18	0 47.18	− 0 2.9	2.020	2.995	4.8	20.8
10 28	0 39.78	− 0 17.6	2.067	2.992	8.4	21.0
11 7	0 33.94	− 0 20.7	2.140	2.989	11.6	21.2
11 17	0 30.11	− 0 11.0	2.233	2.986	14.3	21.4

189939 2003 SF_{286} 10 8.1 326°.28 3°.9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.98	+18 32.1	1.892	2.744	13.5	19.4
9 18	1 9.36	+18 27.1	1.808	2.728	10.4	19.1
9 28	1 2.94	+18 3.2	1.747	2.712	7.0	18.9
10 8	0 55.46	+17 21.9	1.711	2.697	4.2	18.7
10 18	0 47.83	+16 27.1	1.702	2.683	4.7	18.7
10 28	0 41.05	+15 25.2	1.720	2.669	7.9	18.9
11 7	0 35.98	+14 23.8	1.763	2.655	11.4	19.1
11 17	0 33.18	+13 29.5	1.829	2.643	14.7	19.2

177339 2003 YK_{114} 10 8.1 98°.01 3°.3/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.74	− 1 8.4	1.818	2.720	11.6	19.8
9 18	1 11.05	− 2 2.1	1.763	2.720	8.0	19.6
9 28	1 3.69	− 2 58.3	1.733	2.721	4.5	19.4
10 8	0 55.48	− 3 50.6	1.731	2.721	3.5	19.3
10 18	0 47.33	− 4 32.6	1.756	2.722	6.5	19.5
10 28	0 40.21	− 4 59.5	1.808	2.722	10.1	19.7
11 7	0 34.86	− 5 8.6	1.884	2.722	13.4	19.9
11 17	0 31.73	− 4 59.4	1.979	2.723	16.1	20.1

431763 2008 HN_{15} 10 8.1 220°.11 4°.1/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.25	− 2 29.0	1.716	2.617	12.2	21.3
9 18	1 12.95	− 3 34.6	1.655	2.611	8.5	21.1
9 28	1 4.74	− 4 42.5	1.619	2.604	5.1	20.8
10 8	0 55.50	− 5 45.0	1.610	2.596	4.4	20.8
10 18	0 46.26	− 6 34.9	1.628	2.588	7.5	21.0
10 28	0 38.11	− 7 6.2	1.673	2.580	11.3	21.2
11 7	0 31.90	− 7 16.4	1.742	2.571	14.7	21.4
11 17	0 28.15	− 7 5.5	1.829	2.561	17.7	21.6

372358 2009 HR_{21} 10 8.1 112°.83 1°.0/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.67	+11 20.4	1.497	2.377	14.9	21.6
9 18	1 13.96	+10 37.9	1.448	2.392	10.6	21.4
9 28	1 5.23	+ 9 39.2	1.422	2.407	5.7	21.1
10 8	0 55.51	+ 8 30.1	1.423	2.421	1.1	20.8
10 18	0 46.01	+ 7 18.3	1.451	2.435	4.7	21.1
10 28	0 37.92	+ 6 12.7	1.506	2.448	9.4	21.5
11 7	0 32.09	+ 5 20.0	1.585	2.461	13.5	21.7
11 17	0 28.96	+ 4 44.6	1.685	2.473	16.8	22.0

234090 1999 TQ_{159} 10 8.1 8°.17 1°.0/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 9.61	+11 40.9	0.994	1.908	17.7	18.6
9 18	1 6.95	+10 51.1	0.950	1.911	12.6	18.3
9 28	1 1.84	+ 9 38.1	0.925	1.915	6.9	18.1
10 8	0 55.46	+ 8 10.4	0.922	1.921	1.2	17.7
10 18	0 49.20	+ 6 40.1	0.942	1.930	5.6	18.1
10 28	0 44.47	+ 5 20.0	0.984	1.940	11.3	18.4
11 7	0 42.25	+ 4 20.0	1.047	1.952	16.2	18.7
11 17	0 42.99	+ 3 44.8	1.128	1.967	20.2	19.0

37505 3062 T_{-2} 10 8.2 124°.16 1°.2/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.84	+ 3 47.5	2.378	3.265	9.8	19.3
9 18	1 10.09	+ 3 7.5	2.324	3.276	6.7	19.1
9 28	1 3.09	+ 2 22.4	2.298	3.287	3.4	18.9
10 8	0 55.49	+ 1 36.4	2.300	3.297	1.3	18.8
10 18	0 47.98	+ 0 54.1	2.332	3.308	4.2	19.0
10 28	0 41.29	+ 0 19.8	2.393	3.318	7.4	19.2
11 7	0 35.99	− 0 3.6	2.479	3.327	10.2	19.4
11 17	0 32.45	− 0 14.4	2.589	3.337	12.6	19.6

106608 2000 WM_{116} 10 8.2 53°.74 2°.8/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.93	+14 9.0	1.293	2.173	16.8	18.9
9 18	1 13.84	+13 59.3	1.238	2.179	12.3	18.7
9 28	1 5.33	+13 28.9	1.204	2.184	7.4	18.4
10 8	0 55.52	+12 41.3	1.195	2.190	3.1	18.2
10 18	0 45.79	+11 43.6	1.211	2.196	5.2	18.4
10 28	0 37.58	+10 45.1	1.252	2.203	10.0	18.7
11 7	0 31.90	+ 9 54.7	1.317	2.209	14.5	18.9
11 17	0 29.29	+ 9 18.7	1.401	2.215	18.3	19.2

187961 2001 PL_{2} 10 8.2 41°.97 4°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.88	+17 37.7	1.277	2.150	17.5	19.3
9 18	1 12.38	+17 26.1	1.228	2.161	13.2	19.1
9 28	1 4.54	+16 49.6	1.200	2.173	8.5	18.9
10 8	0 55.51	+15 51.9	1.194	2.185	4.6	18.7
10 18	0 46.65	+14 40.2	1.214	2.198	5.5	18.8
10 28	0 39.33	+13 25.0	1.259	2.212	9.7	19.1
11 7	0 34.50	+12 16.7	1.327	2.226	14.0	19.3
11 17	0 32.63	+11 22.5	1.415	2.240	17.6	19.6

348773 2006 KX_{23} 10 8.2 61°.18 6°.6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.09	− 9 36.5	1.527	2.431	13.2	19.8
9 18	1 13.94	−10 32.6	1.508	2.459	9.7	19.7
9 28	1 5.06	−11 20.1	1.513	2.486	7.0	19.6
10 8	0 55.52	−11 51.4	1.544	2.514	6.9	19.7
10 18	0 46.46	−12 1.9	1.601	2.542	9.3	19.9
10 28	0 38.90	−11 49.7	1.683	2.570	12.4	20.1
11 7	0 33.55	−11 16.3	1.786	2.597	15.2	20.4
11 17	0 30.69	−10 24.7	1.909	2.625	17.5	20.6

510176 2011 BN_{31} 10 8.2 293°.19 2°.3/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.70	+ 3 7.1	1.374	2.280	14.4	22.1
9 18	1 13.14	+ 2 21.6	1.298	2.257	10.0	21.8
9 28	1 5.11	+ 1 25.9	1.243	2.234	5.2	21.4
10 8	0 55.52	+ 0 27.1	1.214	2.211	2.4	21.2
10 18	0 45.66	− 0 26.1	1.211	2.188	6.9	21.4
10 28	0 36.93	− 1 5.4	1.232	2.165	12.1	21.7
11 7	0 30.52	− 1 24.9	1.276	2.142	16.7	21.9
11 17	0 27.14	− 1 22.1	1.337	2.120	20.7	22.1

189945 2003 TP_{3} 10 8.2 345°.89 8°.7/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.76	−18 52.6	1.895	2.783	11.9	19.0
9 18	1 12.42	−19 36.5	1.851	2.777	9.9	18.9
9 28	1 4.38	−20 6.3	1.830	2.772	8.7	18.8
10 8	0 55.51	−20 15.3	1.835	2.767	9.1	18.8
10 18	0 46.79	−19 59.8	1.864	2.763	10.9	18.9
10 28	0 39.19	−19 18.7	1.918	2.759	13.2	19.1
11 7	0 33.46	−18 14.2	1.993	2.756	15.5	19.2
11 17	0 30.01	−16 50.3	2.085	2.753	17.5	19.4

359329 2009 MD_{7} 10 8.2 35°.54 1°.7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.22	+13 38.9	1.795	2.668	13.2	20.4
9 18	1 9.35	+13 1.2	1.738	2.677	9.5	20.2
9 28	1 2.84	+12 7.6	1.706	2.686	5.5	20.0
10 8	0 55.50	+11 2.4	1.699	2.696	1.9	19.7
10 18	0 48.26	+ 9 52.1	1.720	2.706	3.9	19.9
10 28	0 42.05	+ 8 43.9	1.769	2.716	7.9	20.2
11 7	0 37.60	+ 7 44.7	1.843	2.726	11.5	20.4
11 17	0 35.31	+ 6 59.1	1.939	2.737	14.5	20.6

452725 2006 AX_{7} 10 8.2 224°.08 3°.2/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.97	+20 10.8	2.925	3.747	10.1	22.0
9 18	1 9.52	+19 56.9	2.835	3.736	7.8	21.8
9 28	1 2.86	+19 29.1	2.771	3.725	5.4	21.6
10 8	0 55.51	+18 48.5	2.734	3.714	3.5	21.5
10 18	0 48.10	+17 58.0	2.726	3.702	3.6	21.5
10 28	0 41.28	+17 1.7	2.749	3.690	5.7	21.6
11 7	0 35.63	+16 4.5	2.800	3.678	8.2	21.7
11 17	0 31.56	+15 11.0	2.876	3.665	10.5	21.9

123346 2000 VG_{60} 10 8.2 105°.16 0°.7/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.08	+10 39.6	1.673	2.555	13.5	20.0
9 18	1 11.44	+ 9 58.2	1.614	2.559	9.6	19.8
9 28	1 3.97	+ 9 2.2	1.578	2.563	5.2	19.6
10 8	0 55.53	+ 7 56.7	1.568	2.567	0.8	19.3
10 18	0 47.16	+ 6 48.8	1.587	2.571	4.4	19.5
10 28	0 39.92	+ 5 46.1	1.632	2.575	8.8	19.8
11 7	0 34.61	+ 4 55.1	1.702	2.578	12.7	20.1
11 17	0 31.71	+ 4 20.0	1.794	2.582	15.9	20.3

436755 2011 YG_{13} 10 8.2 237°.08 2°.3/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 8.48	− 6 51.9	4.748	5.641	5.2	21.7
9 18	1 4.65	− 7 24.9	4.686	5.634	3.7	21.6
9 28	1 0.22	− 7 56.5	4.652	5.628	2.5	21.5
10 8	0 55.48	− 8 24.6	4.647	5.621	2.5	21.5
10 18	0 50.75	− 8 46.9	4.673	5.614	3.7	21.5
10 28	0 46.35	− 9 2.0	4.728	5.608	5.1	21.6
11 7	0 42.57	− 9 8.6	4.808	5.601	6.6	21.7
11 17	0 39.64	− 9 6.4	4.912	5.594	7.8	21.9

22055 2000 AS_{25} 10 8.2 69°.81 2°.5/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 8.98	− 6 36.1	4.312	5.206	5.6	18.3
9 18	1 5.02	− 7 8.9	4.258	5.208	4.0	18.2
9 28	1 0.42	− 7 40.2	4.233	5.210	2.7	18.1
10 8	0 55.49	− 8 7.5	4.237	5.212	2.7	18.1
10 18	0 50.59	− 8 28.7	4.270	5.214	3.9	18.2
10 28	0 46.07	− 8 42.0	4.332	5.216	5.5	18.3
11 7	0 42.25	− 8 46.3	4.421	5.217	7.0	18.4
11 17	0 39.37	− 8 41.2	4.532	5.219	8.4	18.5

108887 2001 OU_{110} 10 8.2 334°.00 1°.7/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.53	+12 7.4	1.472	2.354	15.0	19.8
9 18	1 12.74	+11 47.4	1.409	2.352	10.9	19.6
9 28	1 4.75	+11 10.3	1.368	2.351	6.2	19.3
10 8	0 55.56	+10 20.0	1.352	2.350	1.9	19.0
10 18	0 46.35	+ 9 23.1	1.363	2.349	4.7	19.2
10 28	0 38.41	+ 8 27.9	1.400	2.348	9.5	19.5
11 7	0 32.69	+ 7 42.1	1.461	2.347	13.8	19.8
11 17	0 29.74	+ 7 10.8	1.542	2.346	17.4	20.0

399380 2001 RC_{16} 10 8.2 332°.25 16°.1/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 15.21	+40 51.7	1.027	1.804	27.3	19.9
9 18	1 11.81	+41 37.4	0.961	1.796	24.6	19.6
9 28	1 4.82	+41 29.5	0.906	1.788	21.5	19.4
10 8	0 55.56	+40 18.8	0.865	1.781	18.5	19.2
10 18	0 46.03	+38 3.5	0.842	1.775	16.4	19.1
10 28	0 38.49	+34 54.7	0.838	1.770	16.3	19.0
11 7	0 34.59	+31 15.4	0.855	1.765	18.3	19.1
11 17	0 34.97	+27 31.8	0.891	1.762	21.5	19.3

268457 2005 WT_{93} 10 8.2 198°.98 7°.6/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.98	+39 41.8	3.183	3.856	12.3	20.7
9 18	1 11.74	+40 0.7	3.091	3.852	10.9	20.6
9 28	1 4.06	+39 58.7	3.020	3.847	9.5	20.5
10 8	0 55.56	+39 34.3	2.971	3.843	8.3	20.4
10 18	0 46.97	+38 48.2	2.948	3.837	7.7	20.3
10 28	0 39.11	+37 43.3	2.951	3.831	7.9	20.3
11 7	0 32.63	+36 25.1	2.981	3.825	8.8	20.4
11 17	0 28.02	+34 59.8	3.036	3.818	10.2	20.5

276027 2002 AJ_{67} 10 8.2 96°.51 4°.6/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.19	− 4 6.4	1.700	2.603	12.2	20.6
9 18	1 12.68	− 5 13.2	1.665	2.621	8.5	20.4
9 28	1 4.50	− 6 18.5	1.656	2.639	5.3	20.2
10 8	0 55.57	− 7 14.8	1.673	2.656	4.9	20.3
10 18	0 46.91	− 7 55.8	1.718	2.673	7.6	20.5
10 28	0 39.50	− 8 17.3	1.789	2.690	11.0	20.7
11 7	0 34.05	− 8 18.2	1.883	2.706	14.0	20.9
11 17	0 30.92	− 7 59.7	1.996	2.722	16.6	21.2

449776 2014 OL_{113} 10 8.2 57°.37 6°.2/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.38	−10 24.6	1.948	2.852	10.8	21.1
9 18	1 9.96	−11 37.4	1.915	2.864	8.1	21.0
9 28	1 3.09	−12 43.4	1.908	2.876	6.3	20.9
10 8	0 55.55	−13 35.7	1.927	2.888	6.6	20.9
10 18	0 48.20	−14 9.1	1.973	2.901	8.7	21.1
10 28	0 41.86	−14 20.7	2.043	2.913	11.3	21.3
11 7	0 37.18	−14 10.5	2.136	2.926	13.8	21.5
11 17	0 34.50	−13 40.3	2.248	2.939	15.8	21.7

444587 2006 UN_{26} 10 8.2 327°.16 1°.3/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.24	+11 56.4	1.638	2.522	13.7	21.5
9 18	1 9.65	+11 21.5	1.565	2.510	9.9	21.2
9 28	1 3.15	+10 29.9	1.515	2.499	5.6	20.9
10 8	0 55.55	+ 9 26.1	1.491	2.489	1.4	20.6
10 18	0 47.87	+ 8 16.7	1.493	2.479	4.4	20.8
10 28	0 41.19	+ 7 9.8	1.522	2.469	8.9	21.1
11 7	0 36.39	+ 6 13.2	1.576	2.460	13.0	21.3
11 17	0 34.03	+ 5 31.9	1.650	2.452	16.5	21.5

247343 2001 UU_{219} 10 8.2 9°.15 1°.3/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 8.07	+ 9 10.4	0.931	1.856	17.5	18.6
9 18	1 5.94	+ 7 28.3	0.890	1.858	12.1	18.3
9 28	1 1.37	+ 5 23.7	0.869	1.862	6.0	18.0
10 8	0 55.52	+ 3 10.6	0.870	1.869	1.4	17.7
10 18	0 49.82	+ 1 5.4	0.894	1.877	7.1	18.1
10 28	0 45.67	− 0 36.8	0.939	1.887	12.8	18.5
11 7	0 44.03	− 1 47.0	1.005	1.899	17.8	18.8
11 17	0 45.30	− 2 22.9	1.087	1.913	21.7	19.1

512943 2017 BQ_{88} 10 8.2 148°.08 3°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.34	+17 25.3	2.253	3.096	12.0	20.9
9 18	1 11.39	+17 29.0	2.182	3.098	9.1	20.8
9 28	1 3.90	+17 17.9	2.135	3.100	6.0	20.6
10 8	0 55.58	+16 53.5	2.115	3.101	3.5	20.4
10 18	0 47.23	+16 18.8	2.123	3.103	4.1	20.5
10 28	0 39.72	+15 38.6	2.161	3.104	6.9	20.6
11 7	0 33.76	+14 58.4	2.224	3.106	9.9	20.8
11 17	0 29.81	+14 23.2	2.312	3.107	12.6	21.0

121772 2000 AA_{20} 10 8.2 133°.04 0°.6/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.64	+ 9 55.6	1.317	2.206	16.0	19.3
9 18	1 14.97	+ 9 21.5	1.263	2.212	11.3	19.0
9 28	1 5.92	+ 8 30.8	1.232	2.218	6.0	18.8
10 8	0 55.61	+ 7 29.5	1.225	2.224	0.7	18.4
10 18	0 45.43	+ 6 25.8	1.246	2.230	5.3	18.8
10 28	0 36.79	+ 5 28.9	1.291	2.235	10.5	19.1
11 7	0 30.67	+ 4 46.2	1.360	2.240	15.0	19.4
11 17	0 27.59	+ 4 21.8	1.449	2.245	18.7	19.6

285524 2000 FQ_{22} 10 8.2 119°.24 3°.6/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.62	− 4 57.9	2.178	3.068	10.5	20.2
9 18	1 14.12	− 5 21.6	2.134	3.083	7.3	20.0
9 28	1 5.18	− 5 43.2	2.116	3.098	4.5	19.9
10 8	0 55.60	− 5 58.2	2.128	3.112	3.8	19.9
10 18	0 46.23	− 6 3.0	2.169	3.126	6.1	20.0
10 28	0 37.90	− 5 55.2	2.238	3.140	9.0	20.2
11 7	0 31.26	− 5 33.9	2.333	3.153	11.8	20.4
11 17	0 26.67	− 4 59.9	2.449	3.165	14.1	20.6

346687 2008 YY_{84} 10 8.2 252°.46 0°.5/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 16.66	+ 7 8.9	1.794	2.683	12.4	21.3
9 18	1 11.12	+ 6 26.9	1.728	2.679	8.6	21.0
9 28	1 3.83	+ 5 34.2	1.688	2.676	4.4	20.8
10 8	0 55.58	+ 4 36.1	1.674	2.673	0.5	20.5
10 18	0 47.33	+ 3 38.8	1.688	2.670	4.7	20.8
10 28	0 40.09	+ 2 49.0	1.730	2.666	8.9	21.0
11 7	0 34.64	+ 2 12.0	1.796	2.663	12.6	21.2
11 17	0 31.47	+ 1 50.9	1.883	2.659	15.7	21.5

226487 2003 SK_{248} 10 8.2 321°.16 1°.2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.60	+ 5 35.6	1.928	2.824	11.3	20.2
9 18	1 8.28	+ 4 37.0	1.854	2.810	7.8	19.9
9 28	1 2.37	+ 3 28.6	1.805	2.795	3.9	19.7
10 8	0 55.56	+ 2 16.1	1.783	2.781	1.3	19.5
10 18	0 48.69	+ 1 6.0	1.789	2.767	4.9	19.7
10 28	0 42.63	+ 0 5.5	1.822	2.754	8.8	19.9
11 7	0 38.13	− 0 40.5	1.880	2.741	12.4	20.1
11 17	0 35.67	− 1 8.7	1.958	2.728	15.4	20.3

261661 2005 YL_{113} 10 8.2 182°.41 3°.8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.30	− 6 7.1	2.599	3.494	8.8	20.6
9 18	1 9.71	− 6 57.1	2.544	3.495	6.3	20.4
9 28	1 2.94	− 7 45.3	2.516	3.495	4.2	20.3
10 8	0 55.58	− 8 27.0	2.518	3.494	4.1	20.3
10 18	0 48.27	− 8 58.1	2.548	3.494	6.0	20.4
10 28	0 41.68	− 9 15.5	2.606	3.493	8.5	20.6
11 7	0 36.35	− 9 17.9	2.688	3.492	10.9	20.7
11 17	0 32.66	− 9 5.2	2.792	3.490	12.9	20.9

284948 2010 ET_{99} 10 8.2 232°.50 1°.9/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.73	+ 3 17.5	1.933	2.827	11.4	20.9
9 18	1 11.11	+ 2 18.4	1.864	2.819	7.8	20.7
9 28	1 3.82	+ 1 11.9	1.821	2.810	4.0	20.4
10 8	0 55.61	+ 0 3.9	1.805	2.801	2.1	20.3
10 18	0 47.37	− 0 58.8	1.819	2.792	5.4	20.5
10 28	0 40.04	− 1 49.9	1.860	2.783	9.3	20.7
11 7	0 34.37	− 2 25.2	1.925	2.773	12.8	20.9
11 17	0 30.87	− 2 42.3	2.011	2.762	15.7	21.1

36117 1999 RD_{135} 10 8.2 7°.32 3°.6/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.85	− 0 13.3	1.747	2.655	11.6	17.2
9 18	1 8.44	− 1 38.8	1.695	2.656	8.0	17.0
9 28	1 2.42	− 3 8.5	1.669	2.657	4.5	16.8
10 8	0 55.58	− 4 34.3	1.670	2.659	3.9	16.8
10 18	0 48.81	− 5 48.3	1.698	2.661	6.9	17.0
10 28	0 43.02	− 6 43.8	1.752	2.663	10.5	17.2
11 7	0 38.93	− 7 17.5	1.829	2.666	13.8	17.4
11 17	0 36.95	− 7 28.9	1.926	2.670	16.5	17.6

159823 2003 SO_{310} 10 8.2 333°.32 4°.7/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.90	− 6 12.7	2.096	3.001	10.1	19.6
9 18	1 8.99	− 7 19.6	2.043	2.997	7.3	19.5
9 28	1 2.65	− 8 24.8	2.015	2.994	5.0	19.3
10 8	0 55.59	− 9 21.8	2.015	2.990	5.0	19.3
10 18	0 48.56	−10 5.0	2.042	2.987	7.3	19.5
10 28	0 42.38	−10 30.3	2.095	2.984	10.2	19.6
11 7	0 37.68	−10 36.2	2.172	2.981	12.9	19.8
11 17	0 34.88	−10 22.8	2.268	2.979	15.2	20.0

20253 1998 EJ_{21} 10 8.2 167°.92 1°.3/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.33	+ 6 17.3	1.490	2.386	14.0	18.9
9 18	1 12.49	+ 5 11.3	1.433	2.388	9.7	18.6
9 28	1 4.60	+ 3 53.0	1.399	2.389	4.9	18.3
10 8	0 55.63	+ 2 30.1	1.392	2.391	1.4	18.1
10 18	0 46.72	+ 1 11.6	1.413	2.392	5.8	18.4
10 28	0 39.08	+ 0 6.2	1.459	2.392	10.5	18.7
11 7	0 33.59	− 0 40.2	1.529	2.393	14.6	18.9
11 17	0 30.75	− 1 5.0	1.619	2.393	18.0	19.2

384368 2009 UX_{116} 10 8.2 307°.09 3°.1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.58	+14 39.1	1.377	2.256	16.1	20.8
9 18	1 12.45	+14 33.1	1.299	2.238	12.0	20.5
9 28	1 4.82	+14 6.2	1.241	2.220	7.4	20.2
10 8	0 55.63	+13 20.8	1.208	2.202	3.4	20.0
10 18	0 46.16	+12 22.4	1.199	2.185	5.2	20.0
10 28	0 37.84	+11 19.9	1.216	2.168	10.1	20.3
11 7	0 31.87	+10 23.2	1.256	2.151	14.9	20.5
11 17	0 28.96	+ 9 39.7	1.316	2.135	19.0	20.7

218227 2002 VD_{76} 10 8.2 45°.29 3°.1/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.18	+ 2 29.3	1.113	2.029	16.1	19.1
9 18	1 12.52	+ 1 22.9	1.084	2.048	10.9	18.9
9 28	1 4.57	+ 0 9.7	1.077	2.068	5.6	18.7
10 8	0 55.62	− 1 0.2	1.094	2.089	3.3	18.6
10 18	0 47.09	− 1 57.0	1.135	2.110	7.5	18.9
10 28	0 40.29	− 2 33.3	1.200	2.132	12.3	19.3
11 7	0 36.06	− 2 46.2	1.285	2.155	16.4	19.6
11 17	0 34.76	− 2 35.9	1.389	2.177	19.8	19.9

487363 2014 QB_{244} 10 8.2 290°.81 4°.4/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 14.52	− 6 35.0	2.256	3.157	9.7	21.3
9 18	1 9.36	− 7 31.9	2.197	3.149	7.0	21.1
9 28	1 2.84	− 8 26.9	2.163	3.141	4.8	21.0
10 8	0 55.60	− 9 14.3	2.158	3.133	4.8	21.0
10 18	0 48.36	− 9 49.0	2.180	3.125	6.9	21.1
10 28	0 41.90	−10 7.5	2.229	3.117	9.7	21.2
11 7	0 36.85	−10 8.1	2.302	3.110	12.3	21.4
11 17	0 33.62	− 9 51.2	2.395	3.102	14.6	21.6

467583 2007 UW_{86} 10 8.2 20°.05 1°.4/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.43	+12 24.6	0.957	1.866	18.8	20.4
9 18	1 10.41	+11 34.8	0.914	1.871	13.4	20.1
9 28	1 3.71	+10 19.9	0.890	1.878	7.4	19.9
10 8	0 55.61	+ 8 48.7	0.888	1.886	1.6	19.5
10 18	0 47.70	+ 7 13.7	0.909	1.896	5.8	19.8
10 28	0 41.54	+ 5 48.8	0.952	1.906	11.7	20.2
11 7	0 38.19	+ 4 44.3	1.015	1.918	16.8	20.5
11 17	0 38.10	+ 4 5.5	1.096	1.931	21.0	20.9

270057 2001 OG_{54} 10 8.2 29°.42 2°.5/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 38.38	+ 4 44.0	0.860	1.759	21.3	19.0
9 18	1 27.83	+ 6 44.7	0.811	1.764	15.3	18.7
9 28	1 13.03	+ 8 41.3	0.784	1.770	8.5	18.4
10 8	0 55.78	+10 28.4	0.779	1.777	2.6	18.1
10 18	0 38.67	+12 1.4	0.800	1.785	7.4	18.4
10 28	0 24.29	+13 20.3	0.845	1.793	13.9	18.8
11 7	0 14.32	+14 29.5	0.911	1.802	19.5	19.2
11 17	0 9.34	+15 34.6	0.993	1.811	23.9	19.5

299231 2005 JT_{130} 10 8.2 355°.95 1°.3/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.81	+ 4 57.3	1.576	2.476	13.1	20.3
9 18	1 10.69	+ 4 15.6	1.517	2.474	9.1	20.1
9 28	1 3.66	+ 3 24.6	1.482	2.473	4.6	19.8
10 8	0 55.62	+ 2 30.4	1.473	2.472	1.4	19.6
10 18	0 47.61	+ 1 40.0	1.491	2.471	5.4	19.9
10 28	0 40.72	+ 1 0.2	1.535	2.471	9.8	20.1
11 7	0 35.79	+ 0 35.9	1.602	2.471	13.8	20.4
11 17	0 33.32	+ 0 29.1	1.690	2.472	17.0	20.6

321112 2008 TV_{124} 10 8.2 309°.09 1°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 8.08	+13 45.4	4.280	5.130	6.6	20.3
9 18	1 4.47	+13 14.3	4.201	5.127	4.8	20.2
9 28	1 0.19	+12 36.1	4.149	5.124	2.9	20.0
10 8	0 55.56	+11 52.5	4.127	5.121	1.2	19.9
10 18	0 50.93	+11 6.0	4.135	5.119	2.0	20.0
10 28	0 46.67	+10 19.1	4.174	5.116	3.9	20.1
11 7	0 43.10	+ 9 34.7	4.241	5.113	5.8	20.2
11 17	0 40.47	+ 8 55.1	4.334	5.110	7.5	20.4

333549 2005 UQ_{97} 10 8.2 57°.91 2°.7/ 6.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.22	+ 1 57.4	1.323	2.231	14.6	20.8
9 18	1 13.06	+ 1 4.6	1.288	2.248	10.0	20.6
9 28	1 4.82	+ 0 6.1	1.275	2.265	5.2	20.3
10 8	0 55.64	− 0 50.0	1.287	2.283	2.9	20.2
10 18	0 46.78	− 1 35.7	1.326	2.300	6.8	20.5
10 28	0 39.45	− 2 4.8	1.389	2.318	11.3	20.8
11 7	0 34.46	− 2 14.2	1.475	2.337	15.2	21.1
11 17	0 32.20	− 2 3.8	1.579	2.355	18.3	21.4

480455 2015 KZ_{159} 10 8.2 91°.49 1°.7/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.61	+ 4 56.6	1.692	2.589	12.6	20.6
9 18	1 11.00	+ 3 42.3	1.647	2.602	8.6	20.3
9 28	1 3.71	+ 2 19.5	1.626	2.616	4.3	20.1
10 8	0 55.63	+ 0 55.5	1.633	2.630	1.9	20.0
10 18	0 47.72	− 0 21.5	1.668	2.643	5.5	20.3
10 28	0 40.97	− 1 24.5	1.729	2.656	9.6	20.5
11 7	0 36.09	− 2 8.9	1.815	2.669	13.1	20.8
11 17	0 33.47	− 2 33.1	1.922	2.682	16.0	21.0

147712 2005 JB_{163} 10 8.2 84°.01 0°.6/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.29	+10 40.5	1.868	2.746	12.5	20.2
9 18	1 10.71	+ 9 56.1	1.815	2.759	8.8	20.0
9 28	1 3.55	+ 8 58.9	1.788	2.773	4.7	19.8
10 8	0 55.63	+ 7 53.9	1.787	2.786	0.7	19.5
10 18	0 47.84	+ 6 47.4	1.816	2.800	4.0	19.8
10 28	0 41.10	+ 5 46.2	1.872	2.813	8.0	20.1
11 7	0 36.10	+ 4 55.9	1.953	2.826	11.5	20.3
11 17	0 33.24	+ 4 20.1	2.057	2.839	14.4	20.5

126778 2002 EV_{3} 10 8.2 130°.65 1°.1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.40	+11 12.6	1.996	2.865	12.2	21.2
9 18	1 12.82	+10 49.2	1.939	2.877	8.7	21.0
9 28	1 4.64	+10 13.6	1.907	2.889	4.8	20.8
10 8	0 55.66	+ 9 29.5	1.903	2.900	1.3	20.6
10 18	0 46.79	+ 8 41.7	1.927	2.911	3.8	20.8
10 28	0 38.95	+ 7 56.1	1.981	2.922	7.6	21.1
11 7	0 32.87	+ 7 17.9	2.060	2.931	11.0	21.3
11 17	0 28.96	+ 6 50.8	2.163	2.941	13.9	21.5

430627 2003 QM_{15} 10 8.2 355°.12 3°.6/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 7.52	+16 14.3	0.826	1.739	20.4	19.3
9 18	1 6.01	+15 43.6	0.773	1.729	15.4	19.0
9 28	1 1.64	+14 37.7	0.737	1.722	9.5	18.6
10 8	0 55.60	+13 2.7	0.721	1.717	4.2	18.3
10 18	0 49.49	+11 11.2	0.725	1.714	6.1	18.4
10 28	0 45.03	+ 9 21.0	0.749	1.713	12.1	18.8
11 7	0 43.48	+ 7 48.0	0.792	1.715	17.7	19.1
11 17	0 45.39	+ 6 42.4	0.851	1.720	22.5	19.4

32109 2000 KQ_{70} 10 8.2 169°.98 0°.9/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.42	+10 28.9	1.952	2.823	12.4	20.1
9 18	1 13.63	+10 6.4	1.887	2.827	8.8	19.9
9 28	1 5.11	+ 9 31.8	1.847	2.830	4.8	19.7
10 8	0 55.67	+ 8 48.8	1.834	2.833	1.0	19.4
10 18	0 46.27	+ 8 2.2	1.851	2.835	4.0	19.7
10 28	0 37.90	+ 7 18.0	1.897	2.836	8.0	19.9
11 7	0 31.32	+ 6 41.5	1.968	2.837	11.6	20.1
11 17	0 27.03	+ 6 16.6	2.062	2.837	14.6	20.4

273246 2006 KZ_{49} 10 8.2 271°.36 2°.2/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.75	+16 43.7	2.545	3.391	10.7	21.3
9 18	1 8.87	+16 7.1	2.449	3.371	8.0	21.0
9 28	1 2.64	+15 15.5	2.379	3.350	5.1	20.8
10 8	0 55.63	+14 11.3	2.337	3.329	2.5	20.6
10 18	0 48.50	+12 58.6	2.324	3.307	3.3	20.7
10 28	0 42.00	+11 43.0	2.341	3.286	6.4	20.8
11 7	0 36.76	+10 30.6	2.386	3.264	9.4	21.0
11 17	0 33.24	+ 9 26.4	2.455	3.242	12.2	21.1

144048 2004 BW_{29} 10 8.2 63°.46 5°.5/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.92	+21 35.9	1.854	2.684	14.7	19.4
9 18	1 13.51	+22 1.7	1.787	2.688	11.6	19.2
9 28	1 5.15	+22 7.2	1.742	2.693	8.4	19.0
10 8	0 55.68	+21 52.5	1.722	2.697	5.9	18.9
10 18	0 46.17	+21 20.2	1.730	2.701	5.9	18.9
10 28	0 37.74	+20 36.0	1.764	2.705	8.3	19.1
11 7	0 31.27	+19 47.5	1.824	2.710	11.5	19.3
11 17	0 27.31	+19 1.8	1.906	2.714	14.4	19.5

431655 2008 BC_{52} 10 8.2 234°.33 1°.9/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.91	+12 0.4	1.649	2.520	14.2	22.0
9 18	1 15.10	+11 54.2	1.572	2.511	10.4	21.7
9 28	1 6.06	+11 32.9	1.519	2.500	6.0	21.5
10 8	0 55.70	+10 59.1	1.493	2.490	2.1	21.2
10 18	0 45.18	+10 17.6	1.494	2.478	4.6	21.3
10 28	0 35.76	+ 9 35.2	1.523	2.466	9.2	21.6
11 7	0 28.48	+ 8 59.0	1.576	2.454	13.4	21.8
11 17	0 23.94	+ 8 34.1	1.650	2.442	17.0	22.0

348746 2006 HK_{15} 10 8.2 152°.48 4°.6/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.89	− 7 28.5	2.174	3.065	10.4	21.6
9 18	1 13.69	− 8 9.0	2.126	3.074	7.5	21.4
9 28	1 5.04	− 8 45.7	2.105	3.081	5.1	21.3
10 8	0 55.69	− 9 13.4	2.113	3.089	4.8	21.3
10 18	0 46.49	− 9 27.7	2.150	3.095	7.0	21.4
10 28	0 38.30	− 9 26.1	2.214	3.101	9.8	21.6
11 7	0 31.76	− 9 8.1	2.302	3.107	12.4	21.8
11 17	0 27.29	− 8 34.6	2.412	3.112	14.6	22.0

401733 2013 JX_{23} 10 8.2 33°.47 4°.5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.12	− 6 30.1	2.045	2.945	10.6	19.8
9 18	1 11.20	− 7 9.7	1.995	2.948	7.6	19.6
9 28	1 3.80	− 7 46.3	1.971	2.951	5.0	19.4
10 8	0 55.67	− 8 14.5	1.975	2.954	4.7	19.4
10 18	0 47.64	− 8 29.8	2.006	2.957	7.0	19.6
10 28	0 40.57	− 8 29.2	2.064	2.961	9.9	19.8
11 7	0 35.12	− 8 11.8	2.146	2.964	12.7	20.0
11 17	0 31.69	− 7 38.4	2.248	2.968	15.1	20.2

114961 2003 QD_{61} 10 8.2 30°.98 2°.6/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.38	+ 2 29.2	1.304	2.216	14.5	18.7
9 18	1 11.19	+ 1 36.0	1.265	2.227	9.9	18.5
9 28	1 3.93	+ 0 35.9	1.248	2.239	5.1	18.3
10 8	0 55.67	− 0 22.7	1.256	2.252	2.8	18.1
10 18	0 47.64	− 1 11.7	1.289	2.265	6.7	18.4
10 28	0 41.03	− 1 44.3	1.347	2.279	11.2	18.7
11 7	0 36.69	− 1 56.9	1.426	2.294	15.2	19.0
11 17	0 35.02	− 1 48.9	1.525	2.309	18.5	19.3

128625 2004 RO_{4} 10 8.2 73°.91 5°.8/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.12	−10 1.8	2.050	2.951	10.5	19.6
9 18	1 10.47	−11 5.3	2.012	2.960	7.8	19.4
9 28	1 3.40	−12 2.8	1.999	2.968	6.0	19.3
10 8	0 55.66	−12 47.9	2.013	2.977	6.2	19.4
10 18	0 48.08	−13 15.9	2.055	2.986	8.2	19.5
10 28	0 41.46	−13 23.8	2.122	2.995	10.8	19.7
11 7	0 36.45	−13 11.4	2.211	3.004	13.3	19.9
11 17	0 33.41	−12 40.3	2.320	3.012	15.3	20.1

355494 2007 XN_{19} 10 8.2 315°.59 6°.8/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 16.12	+25 43.0	1.712	2.532	16.2	20.6
9 18	1 11.13	+25 49.9	1.631	2.521	13.2	20.3
9 28	1 4.03	+25 30.3	1.571	2.511	10.0	20.1
10 8	0 55.68	+24 44.0	1.535	2.501	7.4	20.0
10 18	0 47.16	+23 34.2	1.524	2.492	6.9	19.9
10 28	0 39.70	+22 8.4	1.539	2.483	9.1	20.0
11 7	0 34.27	+20 36.9	1.578	2.474	12.3	20.2
11 17	0 31.47	+19 9.4	1.640	2.465	15.6	20.4

10876 1996 UB 10 8.2 43°.02 0°.4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.97	+ 9 22.2	1.956	2.836	11.9	17.5
9 18	1 10.55	+ 8 50.3	1.892	2.837	8.4	17.3
9 28	1 3.53	+ 8 7.1	1.852	2.838	4.5	17.1
10 8	0 55.67	+ 7 16.8	1.840	2.839	0.5	16.8
10 18	0 47.83	+ 6 24.7	1.856	2.840	4.0	17.1
10 28	0 40.93	+ 5 36.9	1.901	2.841	7.9	17.3
11 7	0 35.67	+ 4 58.5	1.970	2.842	11.4	17.5
11 17	0 32.52	+ 4 33.0	2.062	2.843	14.4	17.8

150628 2001 AX_{32} 10 8.2 344°.30 6°.5/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.06	−11 15.4	1.850	2.752	11.4	18.9
9 18	1 11.32	−12 7.8	1.801	2.748	8.6	18.8
9 28	1 3.93	−12 52.9	1.776	2.744	6.7	18.6
10 8	0 55.68	−13 24.1	1.778	2.741	6.9	18.7
10 18	0 47.52	−13 36.1	1.806	2.738	9.1	18.8
10 28	0 40.40	−13 26.4	1.859	2.736	11.9	19.0
11 7	0 35.06	−12 54.9	1.934	2.734	14.6	19.1
11 17	0 31.93	−12 4.0	2.028	2.732	17.0	19.3

470493 2008 BJ_{53} 10 8.2 132°.31 4°.5/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.16	− 4 2.6	1.770	2.670	12.0	21.5
9 18	1 13.40	− 5 12.4	1.729	2.683	8.4	21.3
9 28	1 4.94	− 6 21.4	1.714	2.696	5.3	21.2
10 8	0 55.70	− 7 21.9	1.726	2.708	4.8	21.2
10 18	0 46.67	− 8 7.5	1.766	2.719	7.5	21.3
10 28	0 38.83	− 8 33.7	1.832	2.730	10.9	21.6
11 7	0 32.92	− 8 39.2	1.922	2.740	14.0	21.8
11 17	0 29.34	− 8 24.7	2.031	2.750	16.5	22.0

487169 2014 OT_{268} 10 8.2 357°.06 2°.4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.46	− 0 32.1	2.092	2.988	10.6	20.6
9 18	1 11.46	− 0 57.2	2.033	2.987	7.3	20.3
9 28	1 3.97	− 1 24.2	1.999	2.987	4.0	20.1
10 8	0 55.69	− 1 48.7	1.994	2.987	2.6	20.1
10 18	0 47.46	− 2 6.4	2.017	2.987	5.3	20.2
10 28	0 40.13	− 2 13.7	2.067	2.987	8.7	20.4
11 7	0 34.38	− 2 8.4	2.143	2.987	11.8	20.6
11 17	0 30.65	− 1 49.7	2.240	2.987	14.4	20.8

448652 2010 VK_{110} 10 8.2 54°.17 3°.1/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.21	− 0 56.7	1.827	2.730	11.5	20.6
9 18	1 10.63	− 1 47.8	1.787	2.744	7.9	20.4
9 28	1 3.51	− 2 40.7	1.772	2.759	4.4	20.2
10 8	0 55.68	− 3 29.0	1.784	2.775	3.4	20.2
10 18	0 48.04	− 4 7.2	1.824	2.790	6.2	20.4
10 28	0 41.47	− 4 30.7	1.890	2.805	9.6	20.7
11 7	0 36.63	− 4 37.5	1.980	2.821	12.7	20.9
11 17	0 33.91	− 4 27.4	2.090	2.837	15.3	21.1

50505 2000 DP_{98} 10 8.2 49°.01 3°.2/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.82	− 0 54.9	1.749	2.651	12.0	18.8
9 18	1 11.90	− 1 38.2	1.697	2.654	8.3	18.5
9 28	1 4.24	− 2 23.9	1.669	2.657	4.6	18.3
10 8	0 55.70	− 3 5.9	1.668	2.659	3.4	18.3
10 18	0 47.25	− 3 38.1	1.694	2.662	6.4	18.5
10 28	0 39.89	− 3 56.0	1.747	2.665	10.1	18.7
11 7	0 34.39	− 3 57.0	1.824	2.668	13.5	18.9
11 17	0 31.19	− 3 40.8	1.921	2.672	16.3	19.1

157694 2006 AY_{2} 10 8.2 348°.48 1°.8/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 11.92	+ 5 14.4	1.940	2.838	11.2	19.6
9 18	1 7.74	+ 3 41.7	1.878	2.835	7.6	19.4
9 28	1 2.08	+ 1 59.1	1.842	2.832	3.8	19.1
10 8	0 55.65	+ 0 14.1	1.834	2.830	2.0	19.0
10 18	0 49.25	− 1 25.2	1.855	2.828	5.3	19.2
10 28	0 43.70	− 2 50.9	1.903	2.826	9.1	19.5
11 7	0 39.67	− 3 57.8	1.976	2.825	12.4	19.7
11 17	0 37.59	− 4 43.3	2.070	2.824	15.2	19.9

41197 1999 VU_{228} 10 8.2 187°.71 0°.6/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.80	+ 6 11.0	2.406	3.289	9.9	19.8
9 18	1 9.50	+ 5 28.8	2.339	3.288	6.8	19.6
9 28	1 2.93	+ 4 39.3	2.300	3.288	3.5	19.4
10 8	0 55.68	+ 3 46.6	2.288	3.287	0.6	19.2
10 18	0 48.44	+ 2 55.3	2.307	3.286	3.8	19.5
10 28	0 41.95	+ 2 10.3	2.354	3.285	7.2	19.7
11 7	0 36.79	+ 1 35.3	2.427	3.283	10.2	19.9
11 17	0 33.37	+ 1 12.9	2.524	3.281	12.7	20.0

91064 1998 FL_{63} 10 8.2 302°.91 1°.9/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 16.64	+ 3 52.7	1.570	2.472	13.1	18.9
9 18	1 11.35	+ 2 59.6	1.506	2.464	9.1	18.7
9 28	1 4.08	+ 1 57.4	1.466	2.456	4.6	18.4
10 8	0 55.70	+ 0 52.9	1.452	2.449	2.0	18.2
10 18	0 47.29	− 0 6.2	1.465	2.442	6.0	18.4
10 28	0 39.99	− 0 52.5	1.504	2.435	10.4	18.7
11 7	0 34.68	− 1 21.0	1.566	2.428	14.4	18.9
11 17	0 31.89	− 1 29.7	1.647	2.421	17.7	19.1

54504 2000 OV_{54} 10 8.2 248°.53 0°.3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.73	+ 7 22.5	1.992	2.877	11.5	19.2
9 18	1 10.37	+ 6 42.2	1.926	2.876	8.0	19.0
9 28	1 3.46	+ 5 52.1	1.886	2.874	4.1	18.7
10 8	0 55.70	+ 4 57.0	1.873	2.872	0.3	18.4
10 18	0 47.96	+ 4 2.3	1.888	2.870	4.2	18.7
10 28	0 41.11	+ 3 14.1	1.932	2.868	8.1	19.0
11 7	0 35.87	+ 2 37.2	2.001	2.866	11.6	19.2
11 17	0 32.69	+ 2 14.4	2.092	2.864	14.5	19.4

354479 2004 ES 10 8.2 259°.22 1°.0/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.27	+ 3 36.6	2.214	3.096	10.7	21.4
9 18	1 13.57	+ 3 21.0	2.126	3.075	7.4	21.1
9 28	1 5.17	+ 3 0.0	2.065	3.053	3.8	20.9
10 8	0 55.76	+ 2 37.1	2.033	3.031	1.1	20.6
10 18	0 46.17	+ 2 16.1	2.031	3.008	4.4	20.8
10 28	0 37.32	+ 2 1.4	2.057	2.985	8.2	21.0
11 7	0 30.01	+ 1 56.3	2.110	2.962	11.6	21.2
11 17	0 24.79	+ 2 2.8	2.185	2.937	14.6	21.4

439971 2001 VM_{23} 10 8.2 334°.86 5°.0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.05	− 6 19.7	1.623	2.529	12.5	19.7
9 18	1 12.97	− 6 48.4	1.564	2.519	9.0	19.5
9 28	1 4.90	− 7 13.7	1.529	2.511	5.9	19.3
10 8	0 55.76	− 7 29.3	1.519	2.502	5.3	19.2
10 18	0 46.62	− 7 29.8	1.536	2.494	8.0	19.4
10 28	0 38.63	− 7 12.0	1.579	2.487	11.7	19.6
11 7	0 32.67	− 6 35.2	1.644	2.480	15.1	19.8
11 17	0 29.25	− 5 40.8	1.728	2.474	18.0	20.0

513757 2012 VW_{114} 10 8.2 230°.58 8°.1/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.50	−17 31.4	2.037	2.922	11.3	21.2
9 18	1 13.67	−18 32.7	1.988	2.914	9.3	21.0
9 28	1 5.15	−19 22.2	1.963	2.906	8.1	21.0
10 8	0 55.76	−19 52.9	1.964	2.897	8.6	21.0
10 18	0 46.45	−20 0.3	1.992	2.888	10.4	21.1
10 28	0 38.18	−19 42.2	2.044	2.878	12.8	21.2
11 7	0 31.70	−19 0.2	2.118	2.869	15.1	21.4
11 17	0 27.45	−17 57.3	2.209	2.858	17.1	21.5

425650 2010 VY_{209} 10 8.2 252°.79 0°.4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.58	+ 6 22.7	1.495	2.386	14.3	21.3
9 18	1 14.98	+ 6 3.1	1.425	2.377	10.1	21.0
9 28	1 6.07	+ 5 32.7	1.378	2.367	5.2	20.7
10 8	0 55.79	+ 4 56.1	1.358	2.357	0.4	20.3
10 18	0 45.39	+ 4 19.5	1.364	2.346	5.3	20.7
10 28	0 36.20	+ 3 49.9	1.397	2.336	10.3	20.9
11 7	0 29.28	+ 3 32.7	1.453	2.325	14.7	21.2
11 17	0 25.23	+ 3 31.2	1.529	2.314	18.4	21.4

45759 2000 KQ_{41} 10 8.2 58°.38 0°.3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.78	+ 7 43.2	1.841	2.729	12.2	18.7
9 18	1 10.47	+ 6 58.5	1.783	2.733	8.5	18.5
9 28	1 3.53	+ 6 3.1	1.749	2.737	4.3	18.3
10 8	0 55.75	+ 5 2.4	1.742	2.742	0.3	18.0
10 18	0 48.03	+ 4 2.5	1.764	2.746	4.4	18.3
10 28	0 41.30	+ 3 10.1	1.813	2.750	8.5	18.6
11 7	0 36.30	+ 2 30.1	1.887	2.755	12.0	18.8
11 17	0 33.46	+ 2 5.6	1.982	2.759	15.0	19.0

39865 1998 DB_{22} 10 8.2 282°.40 1°.6/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.71	+ 3 31.3	1.980	2.874	11.2	19.8
9 18	1 10.37	+ 2 45.6	1.917	2.871	7.7	19.6
9 28	1 3.48	+ 1 53.3	1.879	2.868	3.9	19.3
10 8	0 55.75	+ 0 59.7	1.869	2.866	1.7	19.2
10 18	0 48.04	+ 0 10.6	1.887	2.863	5.0	19.4
10 28	0 41.22	− 0 28.5	1.932	2.860	8.7	19.6
11 7	0 36.00	− 0 53.9	2.003	2.857	12.1	19.8
11 17	0 32.84	− 1 3.4	2.094	2.854	14.9	20.0

38269 Gueymard 10 8.2 342°.13 2°.7/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.34	+14 35.5	2.059	2.916	12.4	19.5
9 18	1 12.25	+14 44.3	1.988	2.915	9.2	19.3
9 28	1 4.48	+14 39.6	1.941	2.914	5.8	19.1
10 8	0 55.77	+14 22.8	1.922	2.913	2.9	18.9
10 18	0 47.02	+13 57.3	1.930	2.913	4.0	19.0
10 28	0 39.17	+13 27.7	1.967	2.912	7.4	19.2
11 7	0 32.99	+12 59.4	2.030	2.911	10.7	19.4
11 17	0 28.97	+12 37.2	2.116	2.911	13.6	19.6

442421 2011 UN_{125} 10 8.2 149°.26 0°.4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.24	+ 5 35.6	2.097	2.977	11.2	21.6
9 18	1 13.42	+ 5 25.9	2.035	2.982	7.8	21.4
9 28	1 5.01	+ 5 9.6	2.000	2.987	4.0	21.1
10 8	0 55.79	+ 4 49.9	1.992	2.992	0.4	20.9
10 18	0 46.62	+ 4 30.7	2.015	2.996	4.1	21.2
10 28	0 38.40	+ 4 16.1	2.066	3.000	7.8	21.4
11 7	0 31.85	+ 4 9.6	2.143	3.003	11.1	21.6
11 17	0 27.42	+ 4 13.2	2.242	3.006	13.9	21.8

193417 2000 WJ_{69} 10 8.2 174°.97 4°.3/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.68	+18 55.6	1.802	2.646	14.5	19.8
9 18	1 13.39	+19 0.0	1.732	2.647	11.1	19.6
9 28	1 5.14	+18 44.8	1.685	2.648	7.5	19.4
10 8	0 55.79	+18 11.3	1.664	2.648	4.6	19.2
10 18	0 46.40	+17 23.5	1.670	2.649	5.0	19.3
10 28	0 38.08	+16 27.9	1.703	2.649	8.2	19.4
11 7	0 31.73	+15 32.4	1.762	2.649	11.8	19.7
11 17	0 27.89	+14 43.6	1.843	2.648	14.9	19.9

442462 2011 UO_{268} 10 8.2 22°.31 4°.6/13.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.37	+22 2.1	1.678	2.520	15.5	20.5
9 18	1 9.73	+21 27.5	1.612	2.523	12.0	20.3
9 28	1 3.23	+20 27.3	1.568	2.527	8.3	20.1
10 8	0 55.75	+19 4.8	1.549	2.532	5.2	19.9
10 18	0 48.32	+17 26.5	1.556	2.536	5.1	19.9
10 28	0 42.00	+15 41.9	1.591	2.541	8.2	20.1
11 7	0 37.61	+14 1.4	1.651	2.547	11.8	20.3
11 17	0 35.63	+12 33.2	1.733	2.553	15.1	20.6

12546 1998 QJ_{21} 10 8.2 57°.72 0°.4/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.79	+ 6 56.7	1.938	2.826	11.7	17.7
9 18	1 10.33	+ 6 18.9	1.891	2.841	8.1	17.5
9 28	1 3.40	+ 5 32.4	1.869	2.857	4.1	17.3
10 8	0 55.76	+ 4 42.2	1.874	2.873	0.4	17.0
10 18	0 48.28	+ 3 53.7	1.908	2.889	4.2	17.4
10 28	0 41.79	+ 3 12.4	1.969	2.905	8.0	17.6
11 7	0 36.96	+ 2 42.4	2.056	2.922	11.3	17.9
11 17	0 34.15	+ 2 26.1	2.164	2.938	14.0	18.1

318146 2004 PV_{69} 10 8.2 9°.09 3°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.06	+ 0 53.6	1.460	2.376	13.0	19.5
9 18	1 8.14	− 0 23.4	1.414	2.378	8.9	19.2
9 28	1 2.41	− 1 45.9	1.392	2.382	4.9	19.0
10 8	0 55.75	− 3 5.0	1.395	2.387	3.7	19.0
10 18	0 49.19	− 4 12.1	1.424	2.393	7.2	19.2
10 28	0 43.77	− 4 59.9	1.477	2.400	11.2	19.4
11 7	0 40.28	− 5 24.8	1.553	2.409	14.9	19.7
11 17	0 39.13	− 5 26.5	1.647	2.418	17.9	19.9

521342 2015 LX_{44} 10 8.2 232°.34 0°.8/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.17	+ 7 14.0	1.795	2.683	12.4	21.7
9 18	1 11.59	+ 6 9.8	1.723	2.674	8.7	21.4
9 28	1 4.20	+ 4 53.1	1.676	2.665	4.4	21.1
10 8	0 55.79	+ 3 30.3	1.657	2.655	0.9	20.9
10 18	0 47.33	+ 2 9.1	1.666	2.645	5.0	21.1
10 28	0 39.84	+ 0 57.3	1.703	2.635	9.3	21.4
11 7	0 34.15	+ 0 1.1	1.764	2.624	13.1	21.6
11 17	0 30.77	− 0 35.9	1.847	2.613	16.4	21.8

252696 2002 CL_{33} 10 8.2 273°.64 1°.4/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.03	+ 9 31.7	1.345	2.232	15.8	20.4
9 18	1 16.24	+ 9 37.3	1.277	2.224	11.4	20.2
9 28	1 6.83	+ 9 28.8	1.231	2.217	6.3	19.9
10 8	0 55.86	+ 9 9.3	1.211	2.209	1.5	19.5
10 18	0 44.74	+ 8 43.9	1.216	2.201	5.2	19.8
10 28	0 34.99	+ 8 19.5	1.247	2.193	10.5	20.1
11 7	0 27.79	+ 8 3.0	1.301	2.185	15.2	20.3
11 17	0 23.79	+ 7 59.0	1.375	2.178	19.2	20.6

245290 2005 CB_{29} 10 8.2 138°.36 0°.5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.97	+ 6 26.5	1.789	2.678	12.4	21.2
9 18	1 12.07	+ 5 54.8	1.728	2.679	8.7	21.0
9 28	1 4.41	+ 5 13.7	1.691	2.680	4.4	20.8
10 8	0 55.81	+ 4 28.1	1.682	2.681	0.5	20.5
10 18	0 47.25	+ 3 43.6	1.701	2.682	4.6	20.8
10 28	0 39.73	+ 3 6.4	1.747	2.683	8.8	21.1
11 7	0 34.05	+ 2 40.9	1.818	2.684	12.5	21.3
11 17	0 30.67	+ 2 29.9	1.910	2.685	15.6	21.5

72151 2000 YL_{96} 10 8.2 238°.29 0°.8/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.07	+ 6 17.7	1.836	2.726	12.1	19.5
9 18	1 11.47	+ 5 30.8	1.768	2.720	8.4	19.3
9 28	1 4.13	+ 4 33.8	1.725	2.714	4.3	19.0
10 8	0 55.82	+ 3 32.2	1.709	2.707	0.9	18.8
10 18	0 47.48	+ 2 32.4	1.721	2.701	4.8	19.0
10 28	0 40.10	+ 1 41.0	1.761	2.694	9.0	19.3
11 7	0 34.49	+ 1 3.2	1.825	2.688	12.7	19.5
11 17	0 31.13	+ 0 41.9	1.911	2.681	15.8	19.7

115218 2003 SF_{140} 10 8.2 299°.78 1°.6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 12.92	+14 28.2	2.243	3.105	11.3	19.0
9 18	1 8.39	+13 38.6	2.165	3.098	8.3	18.8
9 28	1 2.47	+12 34.0	2.113	3.091	4.9	18.6
10 8	0 55.78	+11 18.0	2.088	3.084	1.8	18.4
10 18	0 49.07	+ 9 56.3	2.092	3.077	3.4	18.5
10 28	0 43.11	+ 8 35.4	2.125	3.070	6.9	18.7
11 7	0 38.55	+ 7 21.8	2.185	3.063	10.2	18.9
11 17	0 35.81	+ 6 20.3	2.268	3.056	13.0	19.1

66366 1999 JS_{95} 10 8.2 41°.44 4°.3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.84	+ 1 0.2	1.082	2.003	16.0	18.3
9 18	1 11.80	− 0 32.1	1.048	2.014	10.9	18.1
9 28	1 4.38	− 2 10.5	1.036	2.027	6.0	17.9
10 8	0 55.83	− 3 42.6	1.048	2.040	4.7	17.9
10 18	0 47.60	− 4 56.7	1.083	2.053	8.7	18.1
10 28	0 41.03	− 5 44.5	1.142	2.068	13.5	18.4
11 7	0 37.04	− 6 3.2	1.220	2.082	17.6	18.7
11 17	0 36.03	− 5 53.9	1.316	2.097	21.0	19.0

13463 Antiphos 10 8.2 332°.00 2°.1/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 10.04	+18 15.8	4.330	5.155	7.0	18.5
9 18	1 5.89	+18 10.8	4.250	5.155	5.4	18.3
9 28	1 1.02	+17 57.4	4.197	5.154	3.6	18.2
10 8	0 55.77	+17 36.9	4.172	5.154	2.3	18.1
10 18	0 50.51	+17 10.7	4.177	5.154	2.4	18.1
10 28	0 45.62	+16 41.3	4.212	5.154	3.9	18.2
11 7	0 41.45	+16 11.2	4.276	5.153	5.6	18.4
11 17	0 38.28	+15 42.9	4.366	5.153	7.2	18.5

509009 2005 JF_{62} 10 8.2 151°.74 0°.4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.40	+10 28.9	2.368	3.237	10.6	21.8
9 18	1 10.63	+ 9 39.4	2.306	3.246	7.5	21.6
9 28	1 3.56	+ 8 39.3	2.270	3.254	4.0	21.4
10 8	0 55.83	+ 7 32.6	2.263	3.262	0.5	21.1
10 18	0 48.17	+ 6 24.6	2.286	3.269	3.4	21.4
10 28	0 41.33	+ 5 20.8	2.339	3.276	6.9	21.6
11 7	0 35.91	+ 4 26.3	2.418	3.281	9.9	21.8
11 17	0 32.28	+ 3 44.1	2.522	3.287	12.5	22.0

481522 2007 FS_{49} 10 8.2 145°.50 4°.0/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.44	− 7 57.9	2.632	3.522	8.9	21.3
9 18	1 11.88	− 8 28.4	2.583	3.529	6.4	21.2
9 28	1 4.14	− 8 55.2	2.562	3.536	4.4	21.1
10 8	0 55.84	− 9 14.4	2.569	3.543	4.2	21.1
10 18	0 47.66	− 9 22.6	2.606	3.550	6.0	21.2
10 28	0 40.26	− 9 17.8	2.671	3.556	8.4	21.4
11 7	0 34.21	− 8 59.4	2.762	3.562	10.7	21.5
11 17	0 29.86	− 8 27.9	2.874	3.567	12.6	21.7

362598 2010 WM_{21} 10 8.2 96°.00 5°.7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.12	−11 36.3	2.211	3.105	10.2	20.5
9 18	1 11.82	−12 20.5	2.171	3.113	7.7	20.4
9 28	1 4.16	−12 57.7	2.156	3.121	5.9	20.3
10 8	0 55.85	−13 22.5	2.168	3.129	6.0	20.3
10 18	0 47.70	−13 31.1	2.208	3.137	7.9	20.5
10 28	0 40.50	−13 21.5	2.275	3.144	10.3	20.6
11 7	0 34.86	−12 54.0	2.365	3.152	12.7	20.8
11 17	0 31.16	−12 10.1	2.474	3.159	14.6	21.0

272104 2005 JF_{24} 10 8.2 234°.61 2°.9/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.98	− 3 26.2	2.724	3.618	8.5	21.0
9 18	1 9.57	− 4 1.7	2.660	3.612	5.9	20.8
9 28	1 3.00	− 4 37.1	2.622	3.606	3.6	20.6
10 8	0 55.83	− 5 8.6	2.614	3.600	3.0	20.6
10 18	0 48.66	− 5 32.5	2.635	3.593	5.1	20.7
10 28	0 42.14	− 5 45.8	2.684	3.587	7.7	20.9
11 7	0 36.81	− 5 46.7	2.760	3.581	10.1	21.0
11 17	0 33.03	− 5 34.7	2.857	3.574	12.2	21.2

395918 2013 AG_{90} 10 8.2 301°.52 4°.1/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.00	− 3 38.7	1.762	2.666	11.8	20.6
9 18	1 12.12	− 4 26.4	1.705	2.661	8.3	20.4
9 28	1 4.46	− 5 14.1	1.673	2.657	5.1	20.2
10 8	0 55.86	− 5 55.4	1.667	2.653	4.4	20.1
10 18	0 47.29	− 6 24.2	1.689	2.649	7.2	20.3
10 28	0 39.78	− 6 36.1	1.737	2.645	10.8	20.5
11 7	0 34.11	− 6 29.2	1.808	2.642	14.1	20.7
11 17	0 30.76	− 6 3.8	1.898	2.638	16.9	20.9

304529 2006 UZ_{263} 10 8.2 10°.77 2°.1/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.71	+15 21.1	1.619	2.492	14.4	20.0
9 18	1 9.29	+14 29.7	1.556	2.494	10.5	19.8
9 28	1 3.04	+13 17.8	1.517	2.496	6.3	19.6
10 8	0 55.82	+11 50.7	1.502	2.498	2.4	19.3
10 18	0 48.65	+10 16.3	1.515	2.501	4.2	19.5
10 28	0 42.56	+ 8 44.0	1.555	2.504	8.5	19.7
11 7	0 38.37	+ 7 22.7	1.619	2.508	12.5	20.0
11 17	0 36.53	+ 6 18.2	1.706	2.513	15.9	20.2

267968 2004 FR_{93} 10 8.2 191°.93 1°.5/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.08	+ 4 34.9	1.769	2.661	12.4	21.3
9 18	1 12.89	+ 3 41.0	1.706	2.660	8.6	21.1
9 28	1 4.87	+ 2 38.3	1.669	2.658	4.3	20.8
10 8	0 55.87	+ 1 33.1	1.659	2.656	1.6	20.6
10 18	0 46.90	+ 0 32.3	1.677	2.654	5.4	20.9
10 28	0 38.99	− 0 17.4	1.723	2.651	9.5	21.1
11 7	0 32.96	− 0 51.3	1.793	2.647	13.2	21.4
11 17	0 29.30	− 1 7.2	1.883	2.643	16.3	21.6

142883 2002 VQ_{41} 10 8.2 50°.56 1°.2/ 9.4 18

9 8	1 15.88	+12 1.1	1.754	2.631	13.2	19.7
9 18	1 10.65	+11 22.0	1.694	2.637	9.5	19.5
9 28	1 3.70	+10 27.8	1.659	2.642	5.3	19.2
10 8	0 55.85	+ 9 23.2	1.650	2.648	1.3	19.0
10 18	0 48.06	+ 8 14.8	1.669	2.654	4.1	19.2
10 28	0 41.33	+ 7 10.0	1.715	2.660	8.2	19.5
11 7	0 36.42	+ 6 15.4	1.786	2.666	12.0	19.7
11 17	0 33.77	+ 5 35.3	1.879	2.672	15.1	19.9

519247 2010 XL_{92} 10 8.2 237°.87 5°.5/ 1.2 17

9 8	1 16.91	−13 37.8	2.721	3.608	8.8	22.5
9 18	1 10.94	−14 29.0	2.660	3.595	6.8	22.3
9 28	1 3.73	−15 13.8	2.625	3.581	5.6	22.2
10 8	0 55.86	−15 47.3	2.619	3.567	5.9	22.2
10 18	0 47.99	−16 5.8	2.641	3.552	7.5	22.3
10 28	0 40.79	−16 6.8	2.689	3.537	9.6	22.4
11 7	0 34.86	−15 50.0	2.762	3.522	11.7	22.6
11 17	0 30.58	−15 16.5	2.854	3.506	13.5	22.7

154624 2003 SS_{260} 10 8.2 119°.33 1°.0/ 9.4 18

9 8	1 15.34	+11 30.8	2.482	3.348	10.3	20.5
9 18	1 9.87	+11 2.5	2.422	3.358	7.3	20.3
9 28	1 3.18	+10 24.0	2.386	3.368	4.1	20.1
10 8	0 55.86	+ 9 38.3	2.380	3.377	1.1	19.9
10 18	0 48.60	+ 8 49.7	2.403	3.387	3.1	20.1
10 28	0 42.11	+ 8 2.7	2.455	3.396	6.3	20.3
11 7	0 36.95	+ 7 21.8	2.534	3.405	9.2	20.5
11 17	0 33.49	+ 6 50.2	2.638	3.414	11.7	20.7

3778 Regge 10 8.2 298°.55 0°.4/ 8.7 18

9 8	1 16.41	+ 9 8.8	1.949	2.830	12.0	17.0
9 18	1 10.96	+ 8 42.3	1.881	2.826	8.5	16.8
9 28	1 3.87	+ 8 4.8	1.837	2.823	4.5	16.6
10 8	0 55.87	+ 7 20.0	1.820	2.819	0.5	16.3
10 18	0 47.86	+ 6 33.2	1.831	2.815	4.0	16.5
10 28	0 40.75	+ 5 50.2	1.871	2.812	8.0	16.8
11 7	0 35.29	+ 5 16.0	1.935	2.808	11.6	17.0
11 17	0 31.97	+ 4 54.3	2.022	2.805	14.6	17.2

195786 2002 PY_{166} 10 8.2 179°.07 0°.0/ 8.3 18

9 8	1 13.24	+ 9 13.2	2.661	3.534	9.4	20.4
9 18	1 8.40	+ 8 19.2	2.592	3.535	6.6	20.2
9 28	1 2.41	+ 7 16.0	2.550	3.536	3.4	20.0
10 8	0 55.84	+ 6 7.8	2.537	3.536	0.1	19.7
10 18	0 49.29	+ 4 59.1	2.554	3.536	3.2	20.0
10 28	0 43.39	+ 3 55.1	2.601	3.536	6.4	20.2
11 7	0 38.68	+ 3 0.0	2.675	3.535	9.2	20.4
11 17	0 35.52	+ 2 16.9	2.773	3.534	11.6	20.6

481532 2007 LE 10 8.2 143°.06 15°.0/26.0 17

9 8	1 39.21	−37 29.0	1.845	2.637	16.2	24.0
9 18	1 26.59	−39 5.8	1.845	2.660	15.2	24.0
9 28	1 11.70	−40 7.7	1.868	2.682	15.0	24.0
10 8	0 56.06	−40 27.3	1.913	2.702	15.5	24.1
10 18	0 41.28	−40 3.3	1.980	2.719	16.5	24.2
10 28	0 28.76	−39 0.0	2.066	2.735	17.8	24.4
11 7	0 19.33	−37 25.6	2.168	2.748	18.9	24.5
11 17	0 13.24	−35 28.8	2.284	2.760	19.9	24.7

40854 1999 TU_{107} 10 8.2 2°.74 6°.2/14.3 18

9 8	1 12.37	+24 22.9	1.293	2.144	18.7	17.3
9 18	1 8.83	+23 54.2	1.230	2.142	14.9	17.0
9 28	1 2.98	+22 51.3	1.185	2.142	10.7	16.8
10 8	0 55.86	+21 16.6	1.163	2.143	7.1	16.6
10 18	0 48.74	+19 18.3	1.165	2.145	6.6	16.6
10 28	0 42.97	+17 9.3	1.192	2.148	9.7	16.8
11 7	0 39.54	+15 4.3	1.242	2.152	13.8	17.0
11 17	0 38.97	+13 14.9	1.313	2.157	17.6	17.3

41402 2000 AV_{186} 10 8.2 241°.25 5°.3/ 1.9 18

9 8	1 14.98	− 9 29.1	2.300	3.200	9.6	18.4
9 18	1 9.74	−10 38.5	2.247	3.194	7.2	18.2
9 28	1 3.16	−11 43.9	2.219	3.189	5.5	18.1
10 8	0 55.87	−12 39.2	2.220	3.183	5.7	18.1
10 18	0 48.61	−13 19.1	2.248	3.177	7.7	18.2
10 28	0 42.13	−13 40.3	2.302	3.171	10.2	18.4
11 7	0 37.05	−13 41.7	2.379	3.165	12.6	18.5
11 17	0 33.78	−13 24.1	2.476	3.159	14.7	18.7

417739 2007 CZ_{65} 10 8.2 207°.66 2°.7/11.4 18

9 8	1 15.28	+17 21.0	2.355	3.199	11.5	20.9
9 18	1 10.00	+16 55.1	2.278	3.197	8.7	20.7
9 28	1 3.33	+16 13.9	2.226	3.194	5.6	20.5
10 8	0 55.88	+15 19.7	2.201	3.191	3.0	20.3
10 18	0 48.42	+14 16.6	2.205	3.187	3.6	20.4
10 28	0 41.71	+13 10.4	2.238	3.184	6.6	20.6
11 7	0 36.42	+12 7.1	2.299	3.180	9.6	20.8
11 17	0 32.98	+11 11.7	2.383	3.176	12.3	20.9

486153 2012 XG_{95} 10 8.2 285°.40 9°.0/18.6 17

9 8	1 16.58	+34 27.7	1.833	2.593	17.5	21.0
9 18	1 11.53	+34 22.7	1.745	2.582	15.0	20.8
9 28	1 4.35	+33 44.8	1.676	2.572	12.4	20.6
10 8	0 55.91	+32 32.4	1.629	2.562	10.1	20.5
10 18	0 47.35	+30 47.9	1.607	2.551	9.0	20.4
10 28	0 39.91	+28 39.2	1.610	2.541	9.9	20.4
11 7	0 34.56	+26 18.4	1.640	2.531	12.3	20.5
11 17	0 31.88	+23 58.1	1.694	2.520	15.1	20.7

58480 1996 RJ_{33} 10 8.2 344°.75 1°.1/ 6.3 18

9 8	1 9.64	+ 1 22.0	4.160	5.047	6.0	19.4
9 18	1 5.61	+ 0 57.8	4.095	5.046	4.1	19.2
9 28	1 0.90	+ 0 31.8	4.058	5.046	2.1	19.1
10 8	0 55.83	+ 0 6.2	4.050	5.045	1.1	19.0
10 18	0 50.78	− 0 16.9	4.073	5.045	2.8	19.2
10 28	0 46.11	− 0 35.4	4.125	5.044	4.8	19.3
11 7	0 42.15	− 0 47.5	4.205	5.044	6.6	19.4
11 17	0 39.15	− 0 52.1	4.309	5.043	8.2	19.6

266148 2006 UT_{30} 10 8.2 268°.87 0°.9/ 7.6 18

9 8	1 21.36	+ 4 58.9	1.464	2.359	14.3	21.5
9 18	1 14.87	+ 4 39.2	1.397	2.351	10.0	21.2
9 28	1 6.08	+ 4 10.2	1.354	2.343	5.1	20.9
10 8	0 55.96	+ 3 37.0	1.337	2.336	1.0	20.6
10 18	0 45.75	+ 3 5.9	1.346	2.328	5.6	20.9
10 28	0 36.79	+ 2 43.3	1.382	2.320	10.5	21.2
11 7	0 30.12	+ 2 34.1	1.441	2.312	14.9	21.4
11 17	0 26.32	+ 2 40.9	1.519	2.303	18.5	21.7

41206 Sciannameo 10 8.2 0°.21 11°.7/28.5 18

9 8	1 15.71	−18 15.7	1.234	2.145	15.2	17.7
9 18	1 11.01	−19 53.4	1.203	2.142	12.8	17.5
9 28	1 4.03	−21 12.2	1.193	2.140	11.7	17.5
10 8	0 55.90	−22 0.3	1.205	2.140	12.6	17.5
10 18	0 47.99	−22 11.0	1.238	2.141	14.9	17.6
10 28	0 41.58	−21 42.6	1.291	2.142	17.7	17.8
11 7	0 37.59	−20 39.3	1.361	2.146	20.4	18.0
11 17	0 36.44	−19 7.4	1.446	2.150	22.7	18.2

183556 2003 JQ_{13} 10 8.2 92°.85 1°.0/ 7.0 18

9 8	1 15.08	+ 5 56.4	2.223	3.109	10.5	20.9
9 18	1 9.72	+ 4 52.0	2.177	3.128	7.1	20.7
9 28	1 3.10	+ 3 40.4	2.158	3.147	3.6	20.5
10 8	0 55.89	+ 2 27.0	2.167	3.165	1.1	20.3
10 18	0 48.83	+ 1 17.7	2.206	3.184	4.2	20.6
10 28	0 42.65	+ 0 18.0	2.274	3.202	7.6	20.9
11 7	0 37.91	− 0 28.3	2.368	3.219	10.5	21.1
11 17	0 34.96	− 0 59.2	2.484	3.237	13.0	21.3

259449 2003 SF_{58} 10 8.2 57°.63 7°.1/16.8 18

9 8	1 16.99	+29 56.4	2.101	2.881	14.9	19.7
9 18	1 11.38	+30 7.8	2.040	2.895	12.4	19.6
9 28	1 4.08	+29 54.7	1.999	2.910	9.9	19.5
10 8	0 55.91	+29 17.2	1.981	2.925	7.8	19.4
10 18	0 47.80	+28 18.1	1.990	2.940	7.1	19.4
10 28	0 40.72	+27 3.7	2.026	2.956	8.2	19.5
11 7	0 35.43	+25 41.9	2.087	2.971	10.3	19.6
11 17	0 32.37	+24 20.7	2.173	2.987	12.6	19.8

50581 2000 EA_{42} 10 8.2 60°.68 0°.1/ 8.2 18

9 8	1 16.97	+ 7 54.2	1.813	2.699	12.4	19.1
9 18	1 11.39	+ 7 20.0	1.753	2.702	8.7	18.9
9 28	1 4.10	+ 6 35.2	1.717	2.704	4.5	18.6
10 8	0 55.92	+ 5 44.4	1.708	2.707	0.1	18.3
10 18	0 47.77	+ 4 53.5	1.727	2.710	4.3	18.6
10 28	0 40.65	+ 4 8.8	1.773	2.712	8.5	18.9
11 7	0 35.30	+ 3 35.4	1.845	2.715	12.2	19.1
11 17	0 32.20	+ 3 16.3	1.937	2.718	15.2	19.3

228493 2001 SL_{241} 10 8.2 125°.85 0°.4/ 7.9 17

9 8	1 17.72	+ 8 23.1	1.642	2.531	13.4	20.3
9 18	1 11.99	+ 7 23.5	1.587	2.537	9.3	20.0
9 28	1 4.43	+ 6 11.1	1.555	2.543	4.8	19.8
10 8	0 55.92	+ 4 52.2	1.550	2.549	0.4	19.5
10 18	0 47.52	+ 3 34.8	1.573	2.555	4.9	19.8
10 28	0 40.27	+ 2 27.0	1.623	2.560	9.3	20.1
11 7	0 34.98	+ 1 34.8	1.698	2.566	13.2	20.4
11 17	0 32.11	+ 1 1.5	1.793	2.571	16.4	20.6

77250 2001 FQ_{45} 10 8.2 149°.92 0°.6/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 16.94	+10 12.4	1.842	2.721	12.6	19.5
9 18	1 11.37	+ 9 34.1	1.778	2.723	8.9	19.3
9 28	1 4.10	+ 8 42.9	1.739	2.724	4.8	19.1
10 8	0 55.92	+ 7 43.3	1.727	2.726	0.7	18.8
10 18	0 47.77	+ 6 41.3	1.743	2.727	4.1	19.1
10 28	0 40.63	+ 5 44.0	1.787	2.728	8.2	19.3
11 7	0 35.24	+ 4 57.0	1.856	2.730	11.9	19.5
11 17	0 32.09	+ 4 24.4	1.947	2.731	15.0	19.8

404068 2012 DN_{59} 10 8.2 290°.92 2°.5/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.82	+ 1 19.3	2.104	3.003	10.4	21.1
9 18	1 9.07	+ 0 12.4	2.038	2.995	7.1	20.9
9 28	1 2.88	− 0 59.8	1.998	2.987	3.8	20.6
10 8	0 55.89	− 2 11.3	1.986	2.979	2.7	20.5
10 18	0 48.89	− 3 15.6	2.003	2.971	5.5	20.7
10 28	0 42.69	− 4 7.3	2.047	2.963	9.0	20.9
11 7	0 37.93	− 4 42.4	2.115	2.955	12.1	21.1
11 17	0 35.07	− 4 59.4	2.205	2.947	14.7	21.3

243313 2008 RH_{3} 10 8.2 335°.59 0°.5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 9.33	+ 9 51.6	3.975	4.841	6.7	20.0
9 18	1 5.46	+ 9 28.9	3.901	4.838	4.8	19.9
9 28	1 0.85	+ 9 0.6	3.853	4.836	2.6	19.7
10 8	0 55.85	+ 8 28.4	3.835	4.833	0.5	19.5
10 18	0 50.85	+ 7 54.7	3.848	4.831	2.1	19.7
10 28	0 46.25	+ 7 22.1	3.890	4.829	4.3	19.9
11 7	0 42.39	+ 6 53.1	3.961	4.827	6.3	20.0
11 17	0 39.54	+ 6 29.8	4.056	4.825	8.1	20.1

87324 2000 QH_{11} 10 8.2 32°.02 3°.5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.66	+15 20.1	1.277	2.156	17.1	19.0
9 18	1 13.07	+15 21.2	1.228	2.166	12.7	18.8
9 28	1 5.13	+15 0.6	1.199	2.176	7.9	18.5
10 8	0 55.95	+14 21.6	1.194	2.188	3.9	18.3
10 18	0 46.91	+13 30.6	1.214	2.199	5.3	18.5
10 28	0 39.38	+12 36.4	1.260	2.212	9.7	18.8
11 7	0 34.34	+11 48.3	1.327	2.225	14.0	19.1
11 17	0 32.27	+11 12.4	1.415	2.239	17.7	19.3

250967 2006 FN_{45} 10 8.2 112°.26 2°.3/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.74	+ 3 23.2	1.442	2.340	14.3	21.0
9 18	1 14.83	+ 2 22.0	1.400	2.356	9.8	20.8
9 28	1 5.88	+ 1 13.2	1.382	2.372	5.0	20.6
10 8	0 55.98	+ 0 4.8	1.391	2.387	2.4	20.5
10 18	0 46.35	− 0 54.8	1.427	2.402	6.3	20.8
10 28	0 38.18	− 1 38.8	1.489	2.416	10.8	21.1
11 7	0 32.32	− 2 3.2	1.574	2.430	14.7	21.3
11 17	0 29.17	− 2 7.2	1.678	2.442	17.8	21.6

478959 2012 XL_{67} 10 8.2 296°.91 13°.0/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.04	−29 55.3	1.762	2.616	14.3	20.8
9 18	1 14.32	−31 22.7	1.736	2.613	13.3	20.8
9 28	1 5.61	−32 25.0	1.733	2.609	13.1	20.7
10 8	0 55.97	−32 54.1	1.751	2.606	13.9	20.8
10 18	0 46.56	−32 46.2	1.790	2.603	15.3	20.9
10 28	0 38.54	−32 1.7	1.848	2.599	17.1	21.0
11 7	0 32.72	−30 45.3	1.924	2.596	18.7	21.2
11 17	0 29.51	−29 3.2	2.013	2.593	20.2	21.3

187252 2005 SA_{229} 10 8.2 353°.32 0°.4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.00	+ 8 39.6	1.724	2.612	12.9	20.6
9 18	1 10.83	+ 8 15.9	1.660	2.609	9.1	20.4
9 28	1 3.87	+ 7 40.6	1.620	2.607	4.8	20.1
10 8	0 55.93	+ 6 58.0	1.606	2.605	0.4	19.8
10 18	0 47.98	+ 6 13.7	1.620	2.604	4.3	20.1
10 28	0 41.04	+ 5 34.0	1.660	2.603	8.6	20.4
11 7	0 35.94	+ 5 4.3	1.725	2.603	12.5	20.6
11 17	0 33.15	+ 4 48.1	1.811	2.603	15.7	20.8

257273 2009 HC_{1} 10 8.2 136°.96 1°.7/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.18	+ 3 18.6	1.596	2.488	13.5	20.9
9 18	1 15.78	+ 2 43.2	1.546	2.499	9.3	20.7
9 28	1 6.38	+ 2 1.0	1.521	2.510	4.7	20.4
10 8	0 56.00	+ 1 18.1	1.522	2.520	1.8	20.2
10 18	0 45.80	+ 0 40.7	1.552	2.529	5.7	20.5
10 28	0 36.94	+ 0 14.6	1.609	2.538	10.0	20.8
11 7	0 30.27	+ 0 3.3	1.690	2.546	13.8	21.1
11 17	0 26.26	+ 0 8.3	1.791	2.553	16.9	21.3

295069 2008 EE_{125} 10 8.3 182°.62 2°.1/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.80	+ 3 13.5	1.680	2.575	12.8	21.3
9 18	1 13.46	+ 2 15.5	1.621	2.576	8.8	21.1
9 28	1 5.22	+ 1 9.9	1.587	2.576	4.5	20.9
10 8	0 55.97	+ 0 3.5	1.580	2.576	2.3	20.7
10 18	0 46.78	− 0 56.4	1.601	2.575	5.9	20.9
10 28	0 38.72	− 1 43.0	1.649	2.574	10.1	21.2
11 7	0 32.64	− 2 12.0	1.721	2.572	13.9	21.4
11 17	0 29.03	− 2 21.7	1.813	2.570	17.0	21.6

396633 2001 UY_{214} 10 8.3 354°.52 3°.6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.27	− 2 48.2	1.707	2.609	12.2	20.4
9 18	1 13.06	− 3 12.0	1.651	2.607	8.5	20.2
9 28	1 5.00	− 3 35.7	1.620	2.606	4.9	19.9
10 8	0 55.97	− 3 54.0	1.615	2.605	3.7	19.9
10 18	0 47.00	− 4 1.8	1.637	2.604	6.7	20.1
10 28	0 39.15	− 3 55.5	1.685	2.603	10.4	20.3
11 7	0 33.23	− 3 33.6	1.757	2.603	13.9	20.5
11 17	0 29.72	− 2 56.2	1.850	2.604	16.8	20.7

9458 1998 FF_{97} 10 8.3 155°.84 1°.8/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.44	+14 3.6	2.056	2.915	12.3	18.6
9 18	1 12.28	+13 33.2	1.991	2.921	9.0	18.4
9 28	1 4.54	+12 48.1	1.950	2.927	5.3	18.2
10 8	0 55.96	+11 51.7	1.937	2.933	2.0	18.0
10 18	0 47.44	+10 49.2	1.954	2.938	3.7	18.1
10 28	0 39.87	+ 9 47.0	1.999	2.942	7.4	18.4
11 7	0 33.98	+ 8 51.3	2.071	2.946	10.8	18.6
11 17	0 30.20	+ 8 6.5	2.165	2.950	13.7	18.8

236537 2006 HH_{35} 10 8.3 99°.83 1°.3/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.76	+ 3 59.2	1.895	2.784	11.9	20.9
9 18	1 13.12	+ 3 23.1	1.851	2.803	8.1	20.7
9 28	1 4.91	+ 2 41.0	1.833	2.821	4.1	20.5
10 8	0 55.99	+ 1 57.9	1.842	2.840	1.4	20.4
10 18	0 47.26	+ 1 19.2	1.880	2.858	4.8	20.7
10 28	0 39.66	+ 0 49.7	1.946	2.875	8.6	20.9
11 7	0 33.85	+ 0 32.9	2.037	2.892	11.9	21.2
11 17	0 30.23	+ 0 30.1	2.150	2.909	14.6	21.4

350886 2002 QZ_{118} 10 8.3 11°.70 2°.3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.85	+12 21.5	1.424	2.307	15.3	20.6
9 18	1 12.41	+12 22.7	1.366	2.310	11.2	20.4
9 28	1 4.80	+12 7.4	1.331	2.313	6.6	20.1
10 8	0 55.99	+11 38.7	1.320	2.316	2.5	19.9
10 18	0 47.20	+11 2.0	1.335	2.321	4.7	20.1
10 28	0 39.71	+10 24.5	1.376	2.326	9.3	20.3
11 7	0 34.45	+ 9 53.3	1.440	2.332	13.5	20.6
11 17	0 31.95	+ 9 33.6	1.524	2.338	17.1	20.9

195468 2002 GM_{115} 10 8.3 234°.10 3°.7/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.12	− 1 21.3	1.811	2.713	11.6	20.3
9 18	1 11.54	− 2 32.7	1.750	2.707	8.1	20.0
9 28	1 4.23	− 3 47.6	1.714	2.701	4.7	19.8
10 8	0 55.98	− 4 58.4	1.706	2.694	4.0	19.8
10 18	0 47.72	− 5 58.0	1.726	2.687	7.0	19.9
10 28	0 40.45	− 6 40.3	1.772	2.680	10.6	20.2
11 7	0 34.94	− 7 2.1	1.841	2.673	14.0	20.4
11 17	0 31.68	− 7 3.0	1.930	2.665	16.8	20.6

364063 2005 XZ_{29} 10 8.3 174°.78 5°.3/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.18	− 9 26.8	2.241	3.139	9.9	21.3
9 18	1 10.58	−10 26.2	2.192	3.139	7.3	21.1
9 28	1 3.62	−11 21.0	2.169	3.140	5.5	21.0
10 8	0 55.97	−12 5.3	2.174	3.140	5.6	21.0
10 18	0 48.40	−12 34.4	2.207	3.140	7.6	21.1
10 28	0 41.68	−12 45.2	2.266	3.140	10.2	21.3
11 7	0 36.42	−12 37.1	2.349	3.141	12.6	21.5
11 17	0 33.02	−12 11.1	2.451	3.140	14.7	21.7

351345 2005 AO_{27} 10 8.3 6°.12 23°.7/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.75	−40 22.7	0.939	1.793	23.8	19.6
9 18	1 15.34	−43 7.4	0.943	1.792	23.8	19.7
9 28	1 6.47	−44 54.4	0.961	1.793	24.6	19.7
10 8	0 56.03	−45 32.9	0.991	1.794	25.8	19.8
10 18	0 46.24	−45 2.1	1.033	1.795	27.3	20.0
10 28	0 39.02	−43 28.8	1.085	1.798	28.7	20.1
11 7	0 35.40	−41 5.3	1.145	1.801	30.0	20.3
11 17	0 35.57	−38 4.3	1.212	1.805	31.0	20.4

20503 Adamtazi 10 8.3 53°.31 0°.7/ 8.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.63	+ 9 44.7	1.968	2.846	12.0	18.4
9 18	1 11.07	+ 9 23.0	1.908	2.852	8.5	18.2
9 28	1 3.94	+ 8 50.2	1.874	2.859	4.6	17.9
10 8	0 56.00	+ 8 10.3	1.867	2.865	0.8	17.7
10 18	0 48.12	+ 7 27.9	1.888	2.872	3.8	17.9
10 28	0 41.19	+ 6 48.6	1.936	2.879	7.7	18.2
11 7	0 35.91	+ 6 17.3	2.011	2.886	11.1	18.4
11 17	0 32.72	+ 5 57.2	2.108	2.893	14.0	18.6

294809 2008 CT_{94} 10 8.3 120°.03 2°.5/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.25	+ 1 39.2	1.537	2.435	13.5	21.0
9 18	1 14.51	+ 0 54.3	1.488	2.445	9.3	20.8
9 28	1 5.78	+ 0 4.1	1.464	2.453	4.9	20.6
10 8	0 56.05	− 0 44.6	1.467	2.462	2.7	20.5
10 18	0 46.50	− 1 25.0	1.497	2.470	6.3	20.7
10 28	0 38.27	− 1 51.2	1.553	2.478	10.6	21.0
11 7	0 32.22	− 2 0.1	1.632	2.486	14.3	21.3
11 17	0 28.80	− 1 50.9	1.731	2.493	17.4	21.5

304896 2007 RS_{223} 10 8.3 79°.81 1°.2/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.53	+ 3 17.8	1.767	2.654	12.7	20.8
9 18	1 15.75	+ 3 8.2	1.729	2.679	8.7	20.6
9 28	1 6.28	+ 2 53.5	1.716	2.705	4.4	20.4
10 8	0 56.07	+ 2 37.8	1.731	2.730	1.2	20.2
10 18	0 46.17	+ 2 25.3	1.776	2.754	4.8	20.6
10 28	0 37.59	+ 2 20.0	1.848	2.779	8.8	20.8
11 7	0 31.05	+ 2 24.6	1.945	2.803	12.2	21.1
11 17	0 26.92	+ 2 40.4	2.064	2.827	15.0	21.4

78014 2002 JC_{56} 10 8.3 85°.31 0°.9/ 7.5 18

9 8	1 18.77	+ 5 28.1	1.694	2.586	12.9	19.7
9 18	1 12.70	+ 4 54.5	1.641	2.593	8.9	19.4
9 28	1 4.82	+ 4 12.3	1.612	2.601	4.5	19.2
10 8	0 56.03	+ 3 26.8	1.609	2.608	0.9	19.0
10 18	0 47.34	+ 2 44.1	1.635	2.615	4.9	19.3
10 28	0 39.80	+ 2 10.0	1.688	2.623	9.1	19.5
11 7	0 34.20	+ 1 49.0	1.765	2.630	12.9	19.8
11 17	0 30.97	+ 1 43.3	1.862	2.637	15.9	20.0

263509 2008 EF_{129} 10 8.3 296°.73 3°.4/ 5.8 18

9 8	1 19.69	+ 0 22.0	1.344	2.253	14.4	20.2
9 18	1 13.86	− 0 25.4	1.282	2.242	10.0	19.9
9 28	1 5.64	− 1 18.5	1.243	2.232	5.5	19.7
10 8	0 56.05	− 2 9.5	1.228	2.222	3.6	19.5
10 18	0 46.39	− 2 50.0	1.240	2.212	7.5	19.7
10 28	0 38.03	− 3 13.1	1.275	2.202	12.2	20.0
11 7	0 32.04	− 3 15.1	1.333	2.193	16.6	20.2
11 17	0 29.01	− 2 55.2	1.408	2.184	20.2	20.4

168380 1997 HX_{16} 10 8.3 27°.08 0°.8/ 8.9 18

9 8	1 13.78	+11 57.5	1.323	2.218	15.6	19.6
9 18	1 9.53	+10 53.6	1.278	2.229	11.0	19.4
9 28	1 3.26	+ 9 30.7	1.254	2.241	6.0	19.1
10 8	0 55.99	+ 7 56.5	1.255	2.254	0.9	18.8
10 18	0 48.89	+ 6 21.1	1.282	2.268	4.9	19.1
10 28	0 43.13	+ 4 55.3	1.334	2.282	9.8	19.5
11 7	0 39.52	+ 3 47.1	1.409	2.298	14.0	19.8
11 17	0 38.48	+ 3 0.8	1.505	2.314	17.5	20.0

333187 2012 FA_{22} 10 8.3 159°.22 2°.8/ 4.9 18

9 8	1 15.50	− 2 8.6	2.520	3.415	9.1	21.4
9 18	1 10.00	− 2 55.3	2.465	3.418	6.3	21.2
9 28	1 3.31	− 3 42.8	2.437	3.422	3.7	21.1
10 8	0 56.00	− 4 26.7	2.437	3.425	3.0	21.0
10 18	0 48.75	− 5 2.6	2.467	3.428	5.2	21.2
10 28	0 42.24	− 5 27.1	2.525	3.430	8.0	21.3
11 7	0 37.01	− 5 38.0	2.608	3.432	10.5	21.5
11 17	0 33.44	− 5 34.8	2.713	3.435	12.7	21.7

443764 2015 MG_{44} 10 8.3 131°.63 1°.1/ 7.0 18

9 8	1 16.55	+ 6 59.9	1.866	2.754	12.1	21.0
9 18	1 11.02	+ 5 38.5	1.811	2.763	8.3	20.8
9 28	1 3.91	+ 4 6.3	1.783	2.772	4.1	20.5
10 8	0 56.02	+ 2 30.6	1.782	2.780	1.2	20.3
10 18	0 48.23	+ 0 59.2	1.811	2.789	4.9	20.6
10 28	0 41.46	− 0 20.2	1.868	2.796	8.9	20.9
11 7	0 36.41	− 1 22.2	1.950	2.804	12.3	21.1
11 17	0 33.49	− 2 4.3	2.053	2.811	15.2	21.3

334349 2001 YA_{21} 10 8.3 26°.54 4°.1/11.6 18

9 8	1 17.00	+17 31.0	1.246	2.121	17.7	20.0
9 18	1 12.02	+17 20.1	1.194	2.128	13.3	19.8
9 28	1 4.66	+16 43.7	1.163	2.137	8.6	19.6
10 8	0 56.04	+15 45.6	1.155	2.146	4.6	19.4
10 18	0 47.52	+14 33.2	1.171	2.156	5.5	19.5
10 28	0 40.49	+13 17.0	1.212	2.166	9.8	19.7
11 7	0 35.95	+12 7.7	1.276	2.177	14.2	20.0
11 17	0 34.38	+11 12.9	1.359	2.189	17.9	20.3

420787 2013 GP_{93} 10 8.3 73°.10 1°.6/ 6.9 18

9 8	1 20.97	+ 1 18.5	2.119	3.005	10.9	21.1
9 18	1 13.82	+ 1 10.6	2.077	3.028	7.5	20.9
9 28	1 5.25	+ 0 59.9	2.062	3.050	3.8	20.7
10 8	0 56.06	+ 0 50.1	2.075	3.072	1.6	20.6
10 18	0 47.08	+ 0 44.4	2.118	3.094	4.5	20.9
10 28	0 39.16	+ 0 45.9	2.190	3.115	7.9	21.1
11 7	0 32.91	+ 0 56.7	2.287	3.137	10.9	21.4
11 17	0 28.71	+ 1 17.5	2.407	3.158	13.4	21.6

438095 2005 BW_{4} 10 8.3 300°.15 12°.6/21.8 18

9 8	1 22.22	+41 16.9	1.868	2.567	19.0	20.4
9 18	1 15.85	+42 24.4	1.791	2.564	17.2	20.2
9 28	1 6.82	+42 59.9	1.731	2.561	15.3	20.1
10 8	0 56.10	+42 58.3	1.690	2.558	13.6	20.0
10 18	0 45.08	+42 18.2	1.670	2.556	12.7	19.9
10 28	0 35.29	+41 3.7	1.673	2.553	12.8	19.9
11 7	0 28.01	+39 24.6	1.698	2.550	14.0	20.0
11 17	0 23.96	+37 32.8	1.745	2.547	15.8	20.1

161647 2006 BO_{69} 10 8.3 52°.79 5°.3/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.59	− 4 37.2	1.428	2.339	13.5	19.2
9 18	1 12.68	− 5 43.5	1.393	2.352	9.5	19.0
9 28	1 4.82	− 6 47.7	1.381	2.364	6.1	18.8
10 8	0 56.05	− 7 41.2	1.394	2.377	5.7	18.9
10 18	0 47.53	− 8 16.8	1.433	2.390	8.6	19.1
10 28	0 40.40	− 8 30.1	1.497	2.404	12.3	19.3
11 7	0 35.45	− 8 20.2	1.582	2.417	15.7	19.6
11 17	0 33.08	− 7 48.9	1.686	2.431	18.5	19.8

344641 Szeleczky 10 8.3 42°.43 1°.9/ 9.9 18

9 8	1 16.85	+13 24.8	1.463	2.343	15.2	20.6
9 18	1 11.59	+12 51.8	1.412	2.354	11.0	20.4
9 28	1 4.32	+12 0.2	1.383	2.365	6.3	20.2
10 8	0 56.04	+10 55.2	1.379	2.376	2.1	19.9
10 18	0 47.89	+ 9 44.3	1.401	2.387	4.5	20.1
10 28	0 41.03	+ 8 36.3	1.450	2.399	9.0	20.4
11 7	0 36.31	+ 7 39.1	1.523	2.412	13.1	20.7
11 17	0 34.18	+ 6 57.7	1.616	2.424	16.5	21.0

86494 2000 DT_{19} 10 8.3 157°.78 1°.4/ 9.6 18

9 8	1 21.21	+11 55.2	1.912	2.778	12.8	20.6
9 18	1 14.32	+11 35.1	1.849	2.785	9.3	20.4
9 28	1 5.67	+11 1.5	1.811	2.791	5.3	20.2
10 8	0 56.09	+10 17.9	1.800	2.797	1.6	19.9
10 18	0 46.56	+ 9 29.2	1.818	2.802	3.9	20.1
10 28	0 38.10	+ 8 41.6	1.865	2.807	7.9	20.4
11 7	0 31.50	+ 8 1.0	1.938	2.811	11.5	20.6
11 17	0 27.22	+ 7 31.5	2.033	2.814	14.6	20.8

17455 1990 SH_{7} 10 8.3 25°.90 1°.8/ 6.6 18

9 8	1 16.24	+ 3 6.0	1.806	2.704	11.9	18.4
9 18	1 10.89	+ 2 24.8	1.751	2.707	8.2	18.1
9 28	1 3.89	+ 1 37.4	1.721	2.711	4.2	17.9
10 8	0 56.04	+ 0 49.4	1.718	2.715	1.9	17.8
10 18	0 48.26	+ 0 6.8	1.742	2.719	5.2	18.0
10 28	0 41.48	− 0 25.1	1.794	2.723	9.1	18.3
11 7	0 36.45	− 0 42.6	1.869	2.728	12.6	18.5
11 17	0 33.60	− 0 44.0	1.966	2.732	15.5	18.7

228113 2008 TZ_{50} 10 8.3 10°.48 0°.3/ 7.6 18

9 8	1 9.13	+ 5 22.9	4.260	5.138	6.0	20.2
9 18	1 5.30	+ 4 58.7	4.192	5.139	4.2	20.0
9 28	1 0.80	+ 4 31.0	4.152	5.139	2.1	19.9
10 8	0 55.96	+ 4 1.8	4.141	5.140	0.4	19.7
10 18	0 51.13	+ 3 33.4	4.161	5.140	2.3	19.9
10 28	0 46.66	+ 3 7.9	4.211	5.141	4.3	20.1
11 7	0 42.88	+ 2 47.3	4.289	5.141	6.2	20.2
11 17	0 40.03	+ 2 33.2	4.391	5.142	7.8	20.3

344712 2003 UZ_{6} 10 8.3 23°.69 20°.0/12.1 17

9 8	1 18.15	+58 3.7	1.300	1.908	29.5	18.9
9 18	1 14.37	+59 36.6	1.262	1.927	28.0	18.8
9 28	1 6.43	+60 16.6	1.231	1.947	26.2	18.7
10 8	0 56.10	+59 56.0	1.208	1.969	24.3	18.6
10 18	0 45.93	+58 32.0	1.197	1.992	22.4	18.6
10 28	0 38.49	+56 10.1	1.201	2.017	20.9	18.6
11 7	0 35.27	+53 4.2	1.221	2.044	20.1	18.6
11 17	0 36.57	+49 32.3	1.259	2.071	20.1	18.7

408416 2013 GP_{134} 10 8.3 114°.49 3°.3/ 5.0 18

9 8	1 17.62	− 3 7.8	2.177	3.073	10.2	21.3
9 18	1 11.60	− 3 44.5	2.125	3.078	7.1	21.1
9 28	1 4.18	− 4 21.1	2.099	3.084	4.2	20.9
10 8	0 56.05	− 4 52.7	2.101	3.089	3.5	20.9
10 18	0 48.02	− 5 15.0	2.132	3.094	5.8	21.1
10 28	0 40.88	− 5 24.4	2.191	3.098	8.9	21.3
11 7	0 35.26	− 5 19.5	2.274	3.103	11.7	21.5
11 17	0 31.58	− 5 0.0	2.378	3.108	14.1	21.6

291620 2006 HN_{4} 10 8.3 249°.50 0°.4/ 8.8 17

9 8	1 13.55	+10 42.6	2.706	3.574	9.4	21.4
9 18	1 8.73	+ 9 46.0	2.619	3.558	6.7	21.2
9 28	1 2.71	+ 8 38.5	2.558	3.542	3.6	20.9
10 8	0 56.02	+ 7 23.7	2.527	3.526	0.4	20.6
10 18	0 49.26	+ 6 6.6	2.527	3.510	3.1	20.9
10 28	0 43.09	+ 4 52.5	2.556	3.493	6.4	21.0
11 7	0 38.07	+ 3 46.4	2.613	3.476	9.3	21.2
11 17	0 34.62	+ 2 52.1	2.695	3.458	11.8	21.4

280083 2002 CK_{294} 10 8.3 124°.89 8°.2/30.6 18

9 8	1 19.90	−15 3.6	1.774	2.670	12.2	19.8
9 18	1 13.38	−16 22.7	1.741	2.678	9.7	19.7
9 28	1 5.14	−17 30.0	1.733	2.686	8.3	19.6
10 8	0 56.09	−18 17.6	1.750	2.693	8.7	19.7
10 18	0 47.25	−18 40.2	1.793	2.701	10.7	19.8
10 28	0 39.63	−18 35.6	1.860	2.708	13.3	20.0
11 7	0 33.96	−18 5.4	1.948	2.715	15.7	20.2
11 17	0 30.63	−17 13.1	2.053	2.721	17.7	20.4

277949 2006 RE_4 10 8.3 121°.64 6°.0/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 17.58	+ 1 52.3	1.114	2.031	15.9	19.8
9 18	1 12.45	− 1 34.8	1.073	2.038	10.9	19.6
9 28	1 4.88	− 5 13.4	1.058	2.045	6.6	19.4
10 8	0 56.09	− 8 42.0	1.069	2.052	7.0	19.4
10 18	0 47.50	−11 40.2	1.107	2.058	11.3	19.7
10 28	0 40.52	−13 54.4	1.169	2.064	16.0	20.0
11 7	0 36.13	−15 20.8	1.251	2.070	20.0	20.3
11 17	0 34.75	−16 2.8	1.348	2.075	23.1	20.5

487163 2014 OK_{253} 10 8.3 328°.42 0°.9/ 7.5 17

9 8	1 16.75	+ 4 31.8	1.836	2.730	11.9	21.1
9 18	1 11.36	+ 4 12.6	1.766	2.719	8.3	20.9
9 28	1 4.21	+ 3 46.2	1.720	2.710	4.2	20.6
10 8	0 56.07	+ 3 17.0	1.702	2.700	1.0	20.4
10 18	0 47.86	+ 2 49.9	1.711	2.691	4.7	20.6
10 28	0 40.57	+ 2 29.9	1.747	2.683	8.8	20.9
11 7	0 35.01	+ 2 21.0	1.807	2.675	12.5	21.1
11 17	0 31.70	+ 2 25.5	1.889	2.667	15.6	21.3

66968 1999 XU_{53} 10 8.3 45°.34 0°.8/ 8.9 18

9 8	1 18.16	+10 48.1	1.179	2.076	16.8	19.0
9 18	1 12.76	+10 4.7	1.137	2.089	11.9	18.8
9 28	1 5.00	+ 9 2.7	1.115	2.103	6.4	18.5
10 8	0 56.09	+ 7 49.5	1.118	2.117	0.9	18.2
10 18	0 47.42	+ 6 34.8	1.146	2.132	5.3	18.6
10 28	0 40.36	+ 5 28.9	1.198	2.147	10.6	18.9
11 7	0 35.83	+ 4 39.5	1.272	2.162	15.1	19.2
11 17	0 34.26	+ 4 10.7	1.366	2.178	18.8	19.5

53288 1999 GO_1 10 8.3 91°.83 0°.4/ 8.7 18

9 8	1 17.03	+ 9 4.8	1.948	2.828	12.0	18.6
9 18	1 11.40	+ 8 36.4	1.887	2.832	8.5	18.4
9 28	1 4.16	+ 7 57.1	1.850	2.836	4.5	18.2
10 8	0 56.08	+ 7 11.1	1.840	2.839	0.5	17.9
10 18	0 48.03	+ 6 23.5	1.859	2.843	3.9	18.2
10 28	0 40.93	+ 5 40.2	1.906	2.846	7.9	18.4
11 7	0 35.51	+ 5 6.1	1.978	2.850	11.4	18.7
11 17	0 32.21	+ 4 44.4	2.072	2.853	14.3	18.9

256877 2008 DW_{24} 10 8.3 141°.79 0°.1/ 8.2 18

9 8	1 17.81	+ 7 13.7	2.409	3.285	10.2	21.1
9 18	1 11.66	+ 6 50.6	2.349	3.293	7.1	21.0
9 28	1 4.20	+ 6 20.1	2.316	3.302	3.7	20.8
10 8	0 56.08	+ 5 45.6	2.311	3.310	0.1	20.5
10 18	0 48.02	+ 5 11.0	2.336	3.318	3.5	20.8
10 28	0 40.77	+ 4 40.5	2.390	3.325	6.9	21.0
11 7	0 34.93	+ 4 17.7	2.472	3.332	9.8	21.2
11 17	0 30.89	+ 4 4.9	2.576	3.338	12.3	21.4

516945 2012 BA_{101} 10 8.3 161°.94 1°.7/10.7 18

9 8	1 15.02	+14 49.7	3.084	3.928	9.1	22.7
9 18	1 9.57	+14 25.3	3.013	3.934	6.7	22.6
9 28	1 3.08	+13 50.6	2.968	3.940	4.1	22.4
10 8	0 56.06	+13 7.7	2.952	3.945	1.8	22.3
10 18	0 49.07	+12 19.9	2.967	3.950	2.7	22.3
10 28	0 42.67	+11 30.9	3.013	3.954	5.2	22.5
11 7	0 37.36	+10 44.8	3.086	3.958	7.7	22.7
11 17	0 33.49	+10 4.9	3.185	3.962	9.9	22.8

164030 2003 UJ_{245} 10 8.3 3°.61 1°.2/ 7.3 18

9 8	1 16.41	+ 5 12.2	1.410	2.314	14.2	19.6
9 18	1 11.40	+ 4 33.3	1.355	2.313	9.8	19.3
9 28	1 4.31	+ 3 44.3	1.323	2.313	5.0	19.0
10 8	0 56.10	+ 2 51.5	1.316	2.314	1.3	18.8
10 18	0 47.94	+ 2 2.6	1.334	2.316	5.7	19.1
10 28	0 41.02	+ 1 24.8	1.378	2.318	10.4	19.4
11 7	0 36.24	+ 1 3.3	1.445	2.320	14.6	19.6
11 17	0 34.11	+ 1 0.4	1.531	2.324	18.0	19.9

346808 2009 CK_{30} 10 8.3 319°.24 2°.0/ 6.5 18

9 8	1 17.12	+ 2 46.2	1.670	2.570	12.5	20.9
9 18	1 11.70	+ 2 2.3	1.608	2.565	8.7	20.7
9 28	1 4.42	+ 1 11.5	1.570	2.560	4.5	20.4
10 8	0 56.11	+ 0 20.0	1.558	2.554	2.2	20.2
10 18	0 47.79	− 0 25.7	1.574	2.550	5.8	20.5
10 28	0 40.52	− 0 59.2	1.616	2.545	9.9	20.7
11 7	0 35.14	− 1 16.7	1.681	2.540	13.7	20.9
11 17	0 32.15	− 1 16.3	1.767	2.536	16.9	21.2

236467 2006 FB_7 10 8.3 179°.39 0°.9/ 7.4 18

9 8	1 18.63	+ 5 25.3	2.017	2.902	11.4	21.2
9 18	1 12.47	+ 4 47.0	1.953	2.903	7.9	21.0
9 28	1 4.72	+ 4 0.8	1.915	2.904	4.0	20.8
10 8	0 56.12	+ 3 11.6	1.906	2.904	0.9	20.6
10 18	0 47.55	+ 2 24.6	1.925	2.904	4.5	20.8
10 28	0 39.91	+ 1 45.3	1.972	2.904	8.3	21.1
11 7	0 33.92	+ 1 17.9	2.045	2.903	11.7	21.3
11 17	0 30.05	+ 1 4.6	2.140	2.901	14.6	21.5

257996 2001 ES_4 10 8.3 294°.87 2°.8/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 15.34	+ 0 14.4	2.059	2.957	10.6	20.4
9 18	1 10.34	− 0 42.9	1.975	2.931	7.4	20.1
9 28	1 3.71	− 1 45.6	1.917	2.904	4.1	19.9
10 8	0 56.09	− 2 47.6	1.886	2.878	3.0	19.8
10 18	0 48.31	− 3 42.8	1.884	2.851	5.9	19.9
10 28	0 41.25	− 4 25.3	1.909	2.824	9.5	20.1
11 7	0 35.68	− 4 51.2	1.959	2.798	12.9	20.3
11 17	0 32.15	− 4 58.6	2.028	2.771	15.8	20.4

284209 2006 BL_{219} 10 8.3 113°.66 5°.4/14.0 17

9 8	1 22.55	+24 24.0	2.190	2.991	13.7	21.4
9 18	1 15.14	+24 36.6	2.132	3.013	11.0	21.2
9 28	1 6.06	+24 28.9	2.098	3.035	8.1	21.1
10 8	0 56.16	+24 1.5	2.090	3.056	5.9	21.0
10 18	0 46.38	+23 17.3	2.111	3.076	5.6	21.0
10 28	0 37.68	+22 22.1	2.161	3.096	7.4	21.2
11 7	0 30.80	+21 22.9	2.237	3.115	10.0	21.4
11 17	0 26.17	+20 26.2	2.337	3.133	12.5	21.6

325493 2009 RF_{18} 10 8.3 53°.60 2°.1/ 6.8 16

9 8	1 21.09	+ 5 2.2	1.123	2.031	16.6	20.3
9 18	1 14.48	+ 3 50.6	1.105	2.065	11.3	20.1
9 28	1 5.71	+ 2 30.2	1.109	2.100	5.6	19.9
10 8	0 56.14	+ 1 11.2	1.137	2.134	2.2	19.8
10 18	0 47.19	+ 0 3.7	1.190	2.169	6.7	20.2
10 28	0 40.10	− 0 44.7	1.268	2.203	11.5	20.5
11 7	0 35.63	− 1 10.5	1.368	2.238	15.6	20.9
11 17	0 34.04	− 1 13.7	1.486	2.272	18.8	21.2

477806 2011 DA_5 10 8.3 238°.13 6°.3/13.9 18

9 8	1 20.27	+24 13.8	1.724	2.545	16.0	21.2
9 18	1 14.17	+24 21.8	1.643	2.536	12.9	21.0
9 28	1 5.84	+24 4.7	1.583	2.528	9.6	20.7
10 8	0 56.17	+23 22.2	1.548	2.519	6.9	20.6
10 18	0 46.31	+22 17.4	1.538	2.509	6.6	20.5
10 28	0 37.53	+20 57.9	1.556	2.499	9.1	20.7
11 7	0 30.87	+19 33.7	1.599	2.489	12.5	20.8
11 17	0 26.97	+18 14.1	1.664	2.479	15.8	21.0

351180 2004 BE_{84} 10 8.3 160°.50 0°.7/ 9.1 18

9 8	1 17.54	+10 21.9	2.415	3.281	10.5	21.8
9 18	1 11.52	+ 9 53.1	2.350	3.287	7.4	21.6
9 28	1 4.17	+ 9 14.3	2.310	3.293	4.1	21.4
10 8	0 56.12	+ 8 28.9	2.300	3.298	0.8	21.1
10 18	0 48.11	+ 7 41.0	2.319	3.303	3.3	21.3
10 28	0 40.90	+ 6 55.5	2.368	3.307	6.7	21.6
11 7	0 35.09	+ 6 16.9	2.444	3.310	9.7	21.8
11 17	0 31.09	+ 5 48.2	2.543	3.313	12.3	22.0

365679 2010 VM_{87} 10 8.3 154°.84 1°.1/ 7.2 18

9 8	1 16.83	+ 3 56.1	2.349	3.234	10.0	21.5
9 18	1 11.04	+ 3 27.7	2.287	3.237	6.9	21.3
9 28	1 3.92	+ 2 54.1	2.252	3.240	3.5	21.1
10 8	0 56.11	+ 2 19.1	2.245	3.243	1.1	20.9
10 18	0 48.34	+ 1 46.8	2.268	3.246	4.1	21.1
10 28	0 41.36	+ 1 21.3	2.319	3.248	7.4	21.3
11 7	0 35.78	+ 1 5.7	2.397	3.250	10.4	21.5
11 17	0 32.00	+ 1 1.7	2.497	3.252	12.9	21.7

140228 2001 SV_{242} 10 8.3 330°.98 1°.2/ 7.1 18

9 8	1 15.85	+ 5 2.5	1.824	2.719	12.0	20.1
9 18	1 10.69	+ 4 16.2	1.761	2.716	8.3	19.9
9 28	1 3.86	+ 3 21.4	1.723	2.713	4.2	19.6
10 8	0 56.11	+ 2 23.6	1.712	2.710	1.3	19.4
10 18	0 48.37	+ 1 29.1	1.728	2.707	4.9	19.7
10 28	0 41.59	+ 0 44.2	1.772	2.705	9.0	19.9
11 7	0 36.52	+ 0 13.4	1.840	2.702	12.6	20.1
11 17	0 33.63	− 0 0.9	1.929	2.700	15.6	20.3

118671 2000 KL_{63} 10 8.3 193°.98 1°.1/ 9.5 18

9 8	1 18.41	+13 1.4	2.161	3.022	11.8	20.9
9 18	1 12.31	+12 7.5	2.086	3.019	8.5	20.7
9 28	1 4.65	+10 58.7	2.036	3.016	4.8	20.5
10 8	0 56.14	+ 9 39.4	2.014	3.012	1.3	20.2
10 18	0 47.62	+ 8 15.7	2.023	3.007	3.6	20.4
10 28	0 39.97	+ 6 54.4	2.062	3.002	7.4	20.6
11 7	0 33.89	+ 5 42.3	2.127	2.995	10.9	20.8
11 17	0 29.86	+ 4 44.0	2.216	2.988	13.8	21.0

384304 2009 SA_{39} 10 8.3 322°.07 0°.7/ 8.8 18

9 8	1 17.09	+ 9 37.2	1.265	2.164	15.9	21.2
9 18	1 12.29	+ 9 13.2	1.195	2.149	11.4	20.9
9 28	1 4.98	+ 8 32.0	1.147	2.134	6.2	20.6
10 8	0 56.15	+ 7 38.6	1.122	2.121	0.9	20.2
10 18	0 47.11	+ 6 40.7	1.122	2.107	5.4	20.5
10 28	0 39.33	+ 5 47.8	1.146	2.095	10.9	20.8
11 7	0 33.97	+ 5 8.2	1.192	2.083	15.8	21.0
11 17	0 31.70	+ 4 47.1	1.257	2.072	19.9	21.3

22741 1998 SQ_{154} 10 8.3 203°.35 1°.5/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 17.96	+12 32.1	2.079	2.944	12.0	18.8
9 18	1 12.06	+12 9.4	2.007	2.942	8.7	18.5
9 28	1 4.55	+11 33.5	1.959	2.939	5.0	18.3
10 8	0 56.15	+10 47.4	1.939	2.935	1.7	18.1
10 18	0 47.71	+ 9 55.9	1.947	2.932	3.7	18.2
10 28	0 40.14	+ 9 4.7	1.984	2.928	7.4	18.5
11 7	0 34.19	+ 8 19.6	2.048	2.923	10.9	18.7
11 17	0 30.34	+ 7 44.9	2.134	2.919	13.8	18.9

132364 2002 GN_{67} 10 8.3 254°.95 3°.2/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.10	− 2 5.7	1.796	2.692	12.1	20.5
9 18	1 15.14	− 2 28.6	1.728	2.681	8.5	20.3
9 28	1 6.23	− 2 52.5	1.684	2.670	4.8	20.1
10 8	0 56.20	− 3 12.0	1.668	2.659	3.4	20.0
10 18	0 46.11	− 3 22.3	1.680	2.648	6.4	20.1
10 28	0 37.07	− 3 19.3	1.719	2.636	10.3	20.3
11 7	0 29.95	− 3 1.1	1.782	2.624	13.9	20.5
11 17	0 25.30	− 2 27.4	1.866	2.612	16.9	20.7

510353 2011 SN_{197} 10 8.3 92°.13 0°.2/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.25	+ 9 3.7	1.803	2.686	12.7	21.7
9 18	1 11.63	+ 8 22.9	1.746	2.693	8.9	21.5
9 28	1 4.33	+ 7 30.2	1.714	2.700	4.7	21.2
10 8	0 56.16	+ 6 30.6	1.708	2.707	0.3	20.9
10 18	0 48.07	+ 5 30.5	1.731	2.715	4.2	21.2
10 28	0 41.03	+ 4 36.6	1.782	2.722	8.4	21.5
11 7	0 35.79	+ 3 54.2	1.857	2.729	12.0	21.7
11 17	0 32.77	+ 3 26.7	1.954	2.736	15.0	22.0

243876 2000 XU_{40} 10 8.3 332°.44 9°.2/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.15	+25 9.9	1.393	2.223	18.7	18.6
9 18	1 15.38	+26 24.5	1.317	2.210	15.5	18.4
9 28	1 6.76	+27 13.7	1.261	2.198	12.3	18.1
10 8	0 56.24	+27 33.1	1.226	2.186	9.7	18.0
10 18	0 45.27	+27 22.0	1.215	2.175	9.4	17.9
10 28	0 35.52	+26 45.8	1.228	2.165	11.6	18.0
11 7	0 28.39	+25 54.6	1.263	2.156	14.9	18.2
11 17	0 24.70	+24 59.5	1.318	2.148	18.3	18.4

279281 2009 WY_{32} 10 8.3 300°.18 2°.6/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.98	+ 1 51.7	1.452	2.357	13.8	21.0
9 18	1 13.30	+ 1 10.4	1.386	2.345	9.6	20.7
9 28	1 5.40	+ 0 22.2	1.344	2.333	5.1	20.4
10 8	0 56.20	− 0 26.2	1.326	2.322	2.7	20.2
10 18	0 46.90	− 1 7.3	1.335	2.311	6.6	20.4
10 28	0 38.78	− 1 34.1	1.369	2.300	11.3	20.7
11 7	0 32.85	− 1 42.5	1.426	2.289	15.5	20.9
11 17	0 29.70	− 1 31.0	1.502	2.278	19.0	21.1

13229 Echion 10 8.3 232°.57 0°.5/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 9.18	+ 9 51.9	4.662	5.524	5.9	19.1
9 18	1 5.34	+ 9 34.2	4.585	5.521	4.2	19.0
9 28	1 0.87	+ 9 11.8	4.535	5.517	2.3	18.9
10 8	0 56.07	+ 8 46.0	4.514	5.513	0.5	18.7
10 18	0 51.26	+ 8 18.8	4.525	5.508	1.8	18.8
10 28	0 46.78	+ 7 52.3	4.566	5.504	3.7	19.0
11 7	0 42.92	+ 7 28.5	4.635	5.500	5.5	19.1
11 17	0 39.94	+ 7 9.1	4.730	5.496	7.0	19.2

146296 2001 HW_{52} 10 8.3 85°.97 2°.1/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.73	+ 3 1.5	1.462	2.360	14.1	19.9
9 18	1 14.82	+ 2 13.4	1.425	2.381	9.7	19.7
9 28	1 5.96	+ 1 19.0	1.412	2.401	4.9	19.5
10 8	0 56.22	+ 0 25.4	1.425	2.422	2.2	19.3
10 18	0 46.79	− 0 20.3	1.465	2.442	6.1	19.6
10 28	0 38.84	− 0 51.9	1.532	2.461	10.4	19.9
11 7	0 33.14	− 1 6.3	1.622	2.481	14.2	20.2
11 17	0 30.09	− 1 2.5	1.732	2.500	17.2	20.5

299141 2005 EN_{246} 10 8.3 10°.07 0°.4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.38	+ 8 8.5	1.676	2.561	13.3	20.7
9 18	1 13.29	+ 7 58.7	1.614	2.561	9.4	20.5
9 28	1 5.27	+ 7 38.2	1.576	2.562	5.0	20.3
10 8	0 56.20	+ 7 10.6	1.564	2.563	0.5	19.9
10 18	0 47.13	+ 6 41.0	1.580	2.564	4.4	20.2
10 28	0 39.18	+ 6 15.1	1.622	2.565	8.8	20.5
11 7	0 33.20	+ 5 57.9	1.690	2.566	12.7	20.7
11 17	0 29.70	+ 5 52.7	1.778	2.568	16.0	21.0

67270 2000 FJ_{12} 10 8.3 282°.07 1°.7/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.91	+ 0 47.7	2.299	3.186	10.2	18.5
9 18	1 13.37	+ 0 40.5	2.217	3.167	7.1	18.3
9 28	1 5.26	+ 0 30.9	2.161	3.148	3.7	18.0
10 8	0 56.22	+ 0 22.1	2.133	3.129	1.8	17.8
10 18	0 47.04	+ 0 17.5	2.136	3.110	4.6	18.0
10 28	0 38.60	+ 0 20.3	2.167	3.091	8.1	18.2
11 7	0 31.62	+ 0 33.0	2.225	3.072	11.3	18.4
11 17	0 26.62	+ 0 56.6	2.305	3.053	14.0	18.5

383494 2007 BB_{56} 10 8.3 347°.15 4°.0/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.86	− 1 2.6	1.414	2.323	13.8	20.4
9 18	1 13.12	− 2 1.9	1.362	2.322	9.6	20.1
9 28	1 5.25	− 3 4.8	1.333	2.321	5.5	19.9
10 8	0 56.23	− 4 2.7	1.329	2.320	4.3	19.8
10 18	0 47.27	− 4 47.6	1.351	2.319	7.7	20.0
10 28	0 39.62	− 5 13.2	1.399	2.318	12.0	20.3
11 7	0 34.18	− 5 16.8	1.468	2.318	15.9	20.5
11 17	0 31.47	− 4 58.3	1.555	2.318	19.1	20.8

515572 2014 HC_{102} 10 8.3 58°.50 2°.8/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.46	+ 0 28.9	1.768	2.669	11.9	21.4
9 18	1 11.79	− 0 19.3	1.717	2.674	8.2	21.2
9 28	1 4.43	− 1 11.1	1.691	2.679	4.4	21.0
10 8	0 56.22	− 2 0.6	1.691	2.684	2.9	20.9
10 18	0 48.09	− 2 41.4	1.719	2.690	6.0	21.1
10 28	0 41.03	− 3 8.5	1.774	2.695	9.8	21.3
11 7	0 35.78	− 3 19.0	1.852	2.701	13.2	21.6
11 17	0 32.77	− 3 12.1	1.951	2.706	16.0	21.8

489105 2006 BS_{217} 10 8.3 219°.33 3°.5/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.97	+22 25.7	2.974	3.782	10.3	21.9
9 18	1 9.72	+22 3.6	2.883	3.773	8.1	21.8
9 28	1 3.28	+21 26.1	2.817	3.764	5.8	21.6
10 8	0 56.18	+20 34.6	2.779	3.754	3.9	21.5
10 18	0 49.03	+19 32.0	2.770	3.743	3.8	21.4
10 28	0 42.48	+18 22.6	2.791	3.732	5.6	21.5
11 7	0 37.07	+17 11.9	2.840	3.721	8.0	21.7
11 17	0 33.21	+16 4.7	2.916	3.709	10.3	21.8

451376 2011 AS_{63} 10 8.3 288°.39 0°.3/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.81	+ 8 34.4	2.197	3.075	10.9	21.8
9 18	1 10.56	+ 8 10.5	2.119	3.064	7.7	21.6
9 28	1 3.81	+ 7 37.1	2.067	3.053	4.1	21.4
10 8	0 56.20	+ 6 57.4	2.042	3.041	0.4	21.0
10 18	0 48.52	+ 6 15.9	2.047	3.030	3.7	21.3
10 28	0 41.58	+ 5 37.7	2.080	3.019	7.4	21.5
11 7	0 36.10	+ 5 7.2	2.138	3.008	10.7	21.7
11 17	0 32.54	+ 4 47.8	2.220	2.997	13.6	21.9

511496 2014 OU_{41} 10 8.3 89°.28 1°.5/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.60	+12 18.1	2.185	3.049	11.5	21.1
9 18	1 11.66	+12 3.8	2.129	3.063	8.3	20.9
9 28	1 4.30	+11 37.9	2.097	3.076	4.8	20.8
10 8	0 56.22	+11 3.3	2.093	3.090	1.7	20.6
10 18	0 48.23	+10 23.9	2.119	3.103	3.4	20.7
10 28	0 41.14	+ 9 44.9	2.173	3.116	6.9	21.0
11 7	0 35.60	+ 9 11.0	2.253	3.129	10.0	21.2
11 17	0 32.01	+ 8 45.7	2.357	3.142	12.7	21.4

379559 2011 AF_{57} 10 8.3 157°.18 1°.4/ 7.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.26	+ 4 38.4	1.792	2.681	12.4	21.9
9 18	1 13.74	+ 3 51.1	1.735	2.687	8.6	21.7
9 28	1 5.45	+ 2 55.8	1.704	2.693	4.3	21.5
10 8	0 56.25	+ 1 58.3	1.700	2.698	1.4	21.3
10 18	0 47.14	+ 1 5.1	1.725	2.702	5.1	21.6
10 28	0 39.13	+ 0 22.2	1.777	2.706	9.2	21.8
11 7	0 33.00	− 0 6.0	1.854	2.709	12.8	22.1
11 17	0 29.22	− 0 17.6	1.952	2.712	15.8	22.3

229362 2005 QW_{112} 10 8.3 356°.63 5°.7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.48	− 3 17.4	0.851	1.788	17.2	18.4
9 18	1 10.23	− 3 50.6	0.807	1.779	12.2	18.1
9 28	1 4.04	− 4 23.6	0.781	1.772	7.3	17.8
10 8	0 56.22	− 4 45.8	0.776	1.767	6.0	17.8
10 18	0 48.42	− 4 48.2	0.791	1.766	10.0	18.0
10 28	0 42.37	− 4 24.9	0.826	1.766	15.3	18.3
11 7	0 39.27	− 3 35.4	0.878	1.769	20.0	18.6
11 17	0 39.64	− 2 22.6	0.946	1.775	24.0	18.8

421930 2014 QD_{240} 10 8.3 72°.61 2°.2/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.08	+14 17.1	2.255	3.111	11.5	21.5
9 18	1 11.35	+14 13.6	2.190	3.117	8.5	21.4
9 28	1 4.17	+13 57.5	2.149	3.123	5.2	21.2
10 8	0 56.23	+13 30.9	2.135	3.129	2.4	21.0
10 18	0 48.29	+12 57.3	2.151	3.134	3.5	21.1
10 28	0 41.19	+12 21.3	2.195	3.140	6.7	21.3
11 7	0 35.58	+11 47.9	2.266	3.146	9.8	21.5
11 17	0 31.90	+11 21.2	2.360	3.152	12.5	21.7

382511 2001 SV_{24} 10 8.3 24°.33 0°.5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.30	+11 22.7	0.975	1.887	18.2	19.5
9 18	1 9.66	+10 18.1	0.941	1.900	12.8	19.2
9 28	1 3.53	+ 8 51.3	0.926	1.916	6.8	19.0
10 8	0 56.21	+ 7 12.7	0.933	1.932	0.7	18.6
10 18	0 49.17	+ 5 35.3	0.964	1.950	5.7	19.0
10 28	0 43.81	+ 4 12.0	1.017	1.970	11.4	19.4
11 7	0 41.07	+ 3 11.5	1.091	1.991	16.2	19.8
11 17	0 41.30	+ 2 37.3	1.183	2.013	20.1	20.1

312793 2010 VR_{180} 10 8.3 216.°80 0.°9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 9.19	+ 1 55.6	4.586	5.470	5.5	20.9
9 18	1 5.36	+ 1 28.9	4.517	5.467	3.8	20.8
9 28	1 0.91	+ 1 0.3	4.477	5.465	1.9	20.7
10 8	0 56.14	+ 0 31.8	4.466	5.462	1.0	20.6
10 18	0 51.37	+ 0 5.4	4.486	5.459	2.5	20.7
10 28	0 46.93	− 0 16.9	4.536	5.456	4.3	20.9
11 7	0 43.12	− 0 33.4	4.614	5.452	6.0	21.0
11 17	0 40.19	− 0 43.1	4.716	5.449	7.5	21.1

13385 1998 XO_{79} 10 8.3 44.°63 2.°0/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 8.65	− 2 35.9	4.163	5.056	5.8	18.0
9 18	1 5.03	− 3 21.6	4.106	5.059	4.0	17.9
9 28	1 0.75	− 4 7.7	4.078	5.061	2.4	17.7
10 8	0 56.13	− 4 51.4	4.079	5.064	2.1	17.7
10 18	0 51.53	− 5 30.0	4.110	5.067	3.5	17.8
10 28	0 47.31	− 6 1.4	4.171	5.069	5.3	18.0
11 7	0 43.78	− 6 23.9	4.258	5.072	7.0	18.1
11 17	0 41.19	− 6 36.6	4.368	5.075	8.4	18.2

41649 2000 SA_{279} 10 8.3 242.°96 2.°5/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.00	+ 2 9.9	1.497	2.397	13.8	18.2
9 18	1 14.67	+ 1 24.1	1.432	2.389	9.6	17.9
9 28	1 6.12	+ 0 31.1	1.391	2.380	5.0	17.6
10 8	0 56.30	− 0 22.3	1.376	2.371	2.6	17.4
10 18	0 46.41	− 1 8.5	1.388	2.362	6.5	17.7
10 28	0 37.73	− 1 40.6	1.425	2.353	11.1	17.9
11 7	0 31.26	− 1 54.3	1.486	2.344	15.3	18.2
11 17	0 27.56	− 1 48.0	1.566	2.334	18.7	18.4

316495 2010 VV_{99} 10 8.3 92.°84 4.°4/11.6 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.26	+17 39.8	1.404	2.263	17.0	20.5
9 18	1 16.29	+17 48.4	1.352	2.276	12.9	20.3
9 28	1 6.93	+17 34.4	1.320	2.289	8.4	20.1
10 8	0 56.33	+16 59.7	1.313	2.301	4.8	19.9
10 18	0 45.85	+16 9.8	1.332	2.314	5.6	20.0
10 28	0 36.89	+15 13.1	1.377	2.326	9.5	20.3
11 7	0 30.45	+14 19.0	1.447	2.338	13.5	20.5
11 17	0 27.04	+13 34.8	1.537	2.350	17.0	20.8

146982 2002 NX_{55} 10 8.3 32.°21 2.°6/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.60	+ 2 32.6	0.941	1.862	17.7	19.1
9 18	1 13.98	+ 2 0.3	0.914	1.880	12.1	18.9
9 28	1 5.73	+ 1 20.4	0.906	1.898	6.2	18.7
10 8	0 56.29	+ 0 42.0	0.921	1.918	2.7	18.5
10 18	0 47.31	+ 0 13.7	0.959	1.940	7.4	18.9
10 28	0 40.31	+ 0 2.4	1.019	1.962	12.7	19.3
11 7	0 36.22	+ 0 10.9	1.099	1.985	17.3	19.6
11 17	0 35.38	+ 0 39.0	1.196	2.009	20.9	19.9

181444 2006 TB_{14} 10 8.3 291.°73 2.°5/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.09	− 0 29.9	1.858	2.752	11.8	19.8
9 18	1 14.47	− 0 41.6	1.785	2.738	8.2	19.5
9 28	1 5.94	− 0 55.2	1.736	2.724	4.5	19.3
10 8	0 56.32	− 1 6.3	1.716	2.710	2.6	19.1
10 18	0 46.58	− 1 10.8	1.723	2.696	5.7	19.3
10 28	0 37.81	− 1 4.6	1.758	2.682	9.6	19.5
11 7	0 30.85	− 0 45.6	1.818	2.669	13.3	19.7
11 17	0 26.28	− 0 13.1	1.899	2.655	16.3	19.9

45907 2000 YC_{35} 10 8.3 183.°49 3.°1/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.87	+ 0 55.7	1.602	2.502	13.0	19.0
9 18	1 13.67	− 0 8.3	1.546	2.502	9.0	18.7
9 28	1 5.51	− 1 17.9	1.514	2.502	4.9	18.5
10 8	0 56.30	− 2 25.4	1.509	2.502	3.3	18.4
10 18	0 47.15	− 3 23.0	1.532	2.501	6.7	18.6
10 28	0 39.19	− 4 4.2	1.581	2.500	10.9	18.9
11 7	0 33.26	− 4 25.1	1.653	2.499	14.6	19.1
11 17	0 29.87	− 4 25.2	1.745	2.497	17.7	19.3

487164 2014 OM_{254} 10 8.3 26.°39 8.°5/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.95	+30 23.2	1.994	2.768	15.8	21.5
9 18	1 14.54	+31 18.8	1.924	2.772	13.4	21.3
9 28	1 6.05	+31 50.3	1.875	2.777	11.0	21.2
10 8	0 56.33	+31 55.3	1.849	2.781	9.1	21.1
10 18	0 46.45	+31 34.6	1.848	2.786	8.5	21.0
10 28	0 37.61	+30 52.5	1.873	2.792	9.5	21.1
11 7	0 30.76	+29 56.9	1.923	2.797	11.6	21.3
11 17	0 26.49	+28 56.2	1.996	2.803	13.9	21.4

325735 2009 VM_{55} 10 8.3 36.°93 0.°1/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.55	+ 7 41.1	2.064	2.947	11.3	20.1
9 18	1 11.03	+ 7 23.7	2.006	2.953	7.9	19.9
9 28	1 4.03	+ 6 57.6	1.973	2.959	4.2	19.7
10 8	0 56.27	+ 6 26.5	1.967	2.966	0.2	19.4
10 18	0 48.55	+ 5 54.7	1.989	2.973	3.8	19.7
10 28	0 41.73	+ 5 26.9	2.040	2.980	7.5	20.0
11 7	0 36.47	+ 5 7.1	2.117	2.987	10.8	20.2
11 17	0 33.20	+ 4 58.0	2.215	2.995	13.6	20.4

126674 2002 CR_{216} 10 8.3 243.°16 1.°3/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 15.77	+ 4 2.6	2.177	3.067	10.5	20.3
9 18	1 10.48	+ 3 19.0	2.110	3.063	7.2	20.1
9 28	1 3.76	+ 2 29.0	2.070	3.058	3.7	19.9
10 8	0 56.27	+ 1 37.2	2.057	3.054	1.4	19.7
10 18	0 48.76	+ 0 48.8	2.073	3.050	4.5	19.9
10 28	0 42.05	+ 0 8.9	2.117	3.045	8.0	20.1
11 7	0 36.80	− 0 18.6	2.187	3.041	11.2	20.3
11 17	0 33.44	− 0 31.9	2.279	3.036	13.9	20.5

85797 1998 VD_{49} 10 8.3 331.°84 3.°2/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.01	+ 1 53.1	1.153	2.071	15.4	18.1
9 18	1 11.67	+ 1 1.5	1.091	2.056	10.8	17.8
9 28	1 4.75	+ 0 0.5	1.050	2.041	5.7	17.5
10 8	0 56.30	− 1 0.9	1.031	2.027	3.4	17.3
10 18	0 47.69	− 1 52.8	1.037	2.014	7.8	17.6
10 28	0 40.43	− 2 26.0	1.066	2.002	13.1	17.8
11 7	0 35.67	− 2 35.4	1.115	1.992	17.8	18.1
11 17	0 34.07	− 2 19.6	1.180	1.982	21.8	18.3

180429 2004 BY_{84} 10 8.3 193.°92 1.°5/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.92	+ 4 27.5	1.815	2.704	12.3	21.2
9 18	1 13.59	+ 3 34.7	1.750	2.702	8.5	21.0
9 28	1 5.45	+ 2 33.4	1.711	2.700	4.3	20.7
10 8	0 56.33	+ 1 29.6	1.700	2.697	1.6	20.5
10 18	0 47.21	+ 0 30.1	1.717	2.694	5.3	20.8
10 28	0 39.13	− 0 18.5	1.762	2.690	9.4	21.0
11 7	0 32.89	− 0 51.8	1.832	2.685	13.1	21.2
11 17	0 28.99	− 1 7.4	1.922	2.680	16.1	21.4

437954 2002 TT_{57} 10 8.3 53.°75 4.°7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.27	+21 8.3	1.701	2.542	15.3	20.5
9 18	1 11.89	+20 55.5	1.640	2.551	11.9	20.3
9 28	1 4.59	+20 19.7	1.600	2.559	8.3	20.1
10 8	0 56.30	+19 23.0	1.586	2.568	5.2	20.0
10 18	0 48.05	+18 10.8	1.598	2.577	5.2	20.0
10 28	0 40.96	+16 51.2	1.637	2.586	8.2	20.2
11 7	0 35.84	+15 33.4	1.701	2.595	11.7	20.4
11 17	0 33.19	+14 24.8	1.788	2.604	14.8	20.7

130368 2000 GF_{121} 10 8.3 323.°35 0.°0/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.91	+ 7 54.6	1.973	2.859	11.6	19.9
9 18	1 10.09	+ 7 27.1	1.897	2.846	8.2	19.6
9 28	1 3.65	+ 6 49.4	1.846	2.834	4.3	19.4
10 8	0 56.27	+ 6 5.6	1.822	2.821	0.2	19.0
10 18	0 48.81	+ 5 20.6	1.826	2.810	4.0	19.3
10 28	0 42.15	+ 4 40.2	1.858	2.798	8.0	19.5
11 7	0 37.07	+ 4 9.3	1.914	2.787	11.6	19.7
11 17	0 34.05	+ 3 51.3	1.993	2.777	14.7	19.9

516640 2008 GC_{98} 10 8.3 200.°70 2.°9/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.95	− 2 1.9	2.523	3.416	9.1	22.5
9 18	1 10.44	− 2 56.5	2.460	3.413	6.3	22.3
9 28	1 3.69	− 3 52.5	2.424	3.409	3.7	22.1
10 8	0 56.27	− 4 45.2	2.418	3.405	3.1	22.1
10 18	0 48.87	− 5 29.8	2.440	3.400	5.3	22.2
10 28	0 42.17	− 6 2.3	2.492	3.395	8.2	22.4
11 7	0 36.74	− 6 20.5	2.568	3.389	10.8	22.6
11 17	0 32.99	− 6 23.5	2.666	3.384	13.0	22.7

378199 2006 YL_{21} 10 8.3 108.°68 4.°6/ 4.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.82	− 3 28.1	1.542	2.446	13.1	20.7
9 18	1 14.27	− 4 27.5	1.499	2.455	9.2	20.5
9 28	1 5.78	− 5 26.5	1.480	2.464	5.6	20.4
10 8	0 56.34	− 6 17.4	1.487	2.473	4.9	20.3
10 18	0 47.09	− 6 53.2	1.521	2.481	7.9	20.5
10 28	0 39.17	− 7 9.2	1.581	2.490	11.6	20.8
11 7	0 33.38	− 7 4.0	1.663	2.498	15.1	21.0
11 17	0 30.16	− 6 38.6	1.764	2.506	17.9	21.3

516356 2017 BR_{123} 10 8.3 165.°47 2.°6/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.25	− 1 12.0	2.389	3.282	9.5	21.2
9 18	1 10.66	− 1 56.2	2.331	3.285	6.6	21.0
9 28	1 3.80	− 2 42.1	2.301	3.287	3.7	20.8
10 8	0 56.28	− 3 24.9	2.298	3.288	2.8	20.8
10 18	0 48.80	− 4 0.2	2.325	3.290	5.2	20.9
10 28	0 42.09	− 4 24.3	2.381	3.291	8.1	21.1
11 7	0 36.74	− 4 34.9	2.461	3.293	10.9	21.3
11 17	0 33.14	− 4 31.2	2.564	3.294	13.2	21.5

78084 2002 LO_{23} 10 8.3 93.°07 5.°7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.72	− 5 30.5	1.415	2.322	13.9	19.3
9 18	1 14.92	− 6 41.4	1.381	2.337	9.9	19.1
9 28	1 6.10	− 7 49.1	1.371	2.352	6.5	18.9
10 8	0 56.35	− 8 44.4	1.387	2.367	6.1	19.0
10 18	0 46.92	− 9 20.0	1.429	2.382	9.0	19.2
10 28	0 38.98	− 9 31.9	1.495	2.397	12.7	19.4
11 7	0 33.35	− 9 19.7	1.584	2.411	16.0	19.7
11 17	0 30.43	− 8 45.7	1.690	2.425	18.8	19.9

501541 2014 JJ_{40} 10 8.3 140°.79 2°.8/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 17.22	+ 0 8.2	1.947	2.844	11.2	21.8
9 18	1 11.56	− 0 45.3	1.892	2.847	7.7	21.6
9 28	1 4.33	− 1 42.1	1.862	2.850	4.2	21.4
10 8	0 56.30	− 2 36.5	1.861	2.853	3.0	21.3
10 18	0 48.33	− 3 22.3	1.887	2.855	5.8	21.5
10 28	0 41.32	− 3 54.8	1.941	2.858	9.3	21.7
11 7	0 35.96	− 4 10.9	2.019	2.860	12.5	22.0
11 17	0 32.68	− 4 9.9	2.118	2.862	15.2	22.2

79178 1993 FN_{54} 10 8.3 60°.76 2°.3/ 6.7 17

9 8	1 21.38	+ 2 48.3	1.291	2.196	15.1	19.3
9 18	1 14.79	+ 2 7.2	1.257	2.216	10.4	19.1
9 28	1 6.06	+ 1 19.4	1.245	2.235	5.3	18.9
10 8	0 56.36	+ 0 32.6	1.259	2.255	2.4	18.7
10 18	0 47.00	− 0 5.9	1.298	2.276	6.4	19.0
10 28	0 39.25	− 0 29.7	1.363	2.296	11.0	19.4
11 7	0 33.95	− 0 35.8	1.450	2.317	15.0	19.7
11 17	0 31.47	− 0 23.5	1.555	2.337	18.3	19.9

519265 2011 AJ_{82} 10 8.3 175°.62 0°.3/ 8.0 17

9 8	1 15.29	+ 6 49.0	2.611	3.488	9.4	21.9
9 18	1 9.96	+ 6 18.2	2.544	3.490	6.5	21.7
9 28	1 3.43	+ 5 40.6	2.503	3.490	3.4	21.5
10 8	0 56.28	+ 4 59.5	2.492	3.491	0.3	21.3
10 18	0 49.13	+ 4 18.8	2.510	3.491	3.4	21.5
10 28	0 42.67	+ 3 42.6	2.558	3.492	6.5	21.8
11 7	0 37.43	+ 3 14.3	2.632	3.492	9.3	21.9
11 17	0 33.82	+ 2 56.4	2.730	3.491	11.7	22.1

246358 2007 TX_{331} 10 8.3 3°.32 2°.0/10.2 18

9 8	1 17.02	+13 49.0	1.767	2.636	13.5	20.1
9 18	1 11.65	+13 22.6	1.700	2.636	9.9	19.9
9 28	1 4.48	+12 39.7	1.657	2.636	5.9	19.7
10 8	0 56.31	+11 44.0	1.640	2.636	2.2	19.4
10 18	0 48.13	+10 41.2	1.651	2.636	4.1	19.6
10 28	0 40.98	+ 9 38.6	1.689	2.637	8.1	19.8
11 7	0 35.67	+ 8 43.3	1.753	2.637	11.9	20.0
11 17	0 32.68	+ 8 0.6	1.838	2.637	15.2	20.3

445917 Ola 10 8.3 19°.44 11°.2/30.4 18

9 8	1 20.94	−19 23.8	1.340	2.239	15.1	19.9
9 18	1 14.55	−20 29.3	1.312	2.243	12.6	19.8
9 28	1 5.96	−21 14.8	1.305	2.249	11.3	19.7
10 8	0 56.36	−21 31.1	1.321	2.256	11.8	19.8
10 18	0 47.09	−21 13.6	1.360	2.263	13.8	19.9
10 28	0 39.44	−20 22.2	1.419	2.271	16.4	20.1
11 7	0 34.25	−19 1.8	1.498	2.279	19.0	20.3
11 17	0 31.92	−17 18.6	1.592	2.289	21.2	20.5

137489 1999 UN_{45} 10 8.3 326°.30 5°.0/12.1 18

9 8	1 14.36	+18 45.6	1.132	2.012	18.7	19.4
9 18	1 10.79	+18 37.5	1.056	1.992	14.5	19.1
9 28	1 4.45	+17 59.0	0.999	1.972	9.8	18.8
10 8	0 56.32	+16 51.4	0.963	1.953	5.6	18.5
10 18	0 47.83	+15 21.2	0.950	1.935	6.2	18.5
10 28	0 40.64	+13 41.0	0.960	1.919	11.0	18.7
11 7	0 36.11	+12 5.1	0.991	1.903	16.2	19.0
11 17	0 35.00	+10 45.5	1.041	1.889	20.9	19.2

384730 2011 KR_{3} 10 8.3 88°.76 8°.3/ 1.1 16

9 8	1 21.19	−15 3.2	1.712	2.606	12.6	20.5
9 18	1 14.26	−16 20.9	1.692	2.628	9.9	20.4
9 28	1 5.65	−17 25.4	1.696	2.649	8.4	20.3
10 8	0 56.36	−18 9.0	1.726	2.670	8.8	20.4
10 18	0 47.42	−18 27.0	1.782	2.690	10.7	20.6
10 28	0 39.83	−18 18.2	1.861	2.711	13.2	20.8
11 7	0 34.27	−17 44.5	1.962	2.731	15.5	21.0
11 17	0 31.07	−16 50.0	2.080	2.750	17.5	21.2

227508 2005 YS_{2} 10 8.3 248°.84 4°.8/ 4.3 18

9 8	1 19.55	− 4 16.7	1.652	2.556	12.4	20.4
9 18	1 13.47	− 5 16.4	1.594	2.550	8.8	20.1
9 28	1 5.45	− 6 16.2	1.560	2.543	5.6	19.9
10 8	0 56.36	− 7 8.3	1.553	2.536	5.1	19.9
10 18	0 47.27	− 7 45.8	1.572	2.529	8.0	20.1
10 28	0 39.30	− 8 3.6	1.617	2.522	11.7	20.3
11 7	0 33.30	− 7 59.6	1.685	2.515	15.1	20.5
11 17	0 29.80	− 7 34.6	1.771	2.507	18.0	20.7

213977 2003 YL_{150} 10 8.3 224°.75 1°.2/ 7.0 18

9 8	1 17.16	+ 4 27.9	2.219	3.105	10.5	21.3
9 18	1 11.48	+ 3 42.5	2.146	3.097	7.3	21.0
9 28	1 4.31	+ 2 50.0	2.100	3.088	3.7	20.8
10 8	0 56.32	+ 1 55.1	2.081	3.079	1.3	20.6
10 18	0 48.29	+ 1 3.0	2.093	3.069	4.4	20.8
10 28	0 41.03	+ 0 19.0	2.132	3.059	8.0	21.0
11 7	0 35.23	− 0 12.8	2.198	3.049	11.3	21.2
11 17	0 31.36	− 0 30.2	2.285	3.038	14.0	21.4

43037 1999 VH_{37} 10 8.3 218°.98 2°.5/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 15.37	+17 20.8	2.656	3.495	10.5	19.5
9 18	1 10.11	+16 58.6	2.573	3.488	7.9	19.3
9 28	1 3.58	+16 22.6	2.515	3.481	5.1	19.1
10 8	0 56.33	+15 35.0	2.485	3.474	2.8	19.0
10 18	0 49.03	+14 39.1	2.485	3.467	3.3	19.0
10 28	0 42.37	+13 39.7	2.514	3.459	6.0	19.2
11 7	0 36.97	+12 42.1	2.571	3.451	8.8	19.3
11 17	0 33.24	+11 50.8	2.653	3.442	11.3	19.5

435002 2006 UD_{283} 10 8.3 271°.53 0°.3/ 8.1 18

9 8	1 20.60	+ 7 16.0	1.543	2.432	14.0	21.9
9 18	1 14.55	+ 6 48.4	1.464	2.415	10.0	21.6
9 28	1 6.19	+ 6 8.4	1.409	2.397	5.2	21.3
10 8	0 56.43	+ 5 20.7	1.379	2.378	0.3	20.8
10 18	0 46.41	+ 4 31.9	1.377	2.360	5.2	21.2
10 28	0 37.46	+ 3 49.4	1.401	2.341	10.2	21.4
11 7	0 30.65	+ 3 19.7	1.449	2.322	14.7	21.7
11 17	0 26.63	+ 3 6.8	1.517	2.303	18.4	21.9

103604 2000 CH_{18} 10 8.3 242°.43 0°.1/ 8.2 18

9 8	1 16.75	+ 8 22.2	1.835	2.719	12.4	19.7
9 18	1 11.40	+ 7 37.2	1.769	2.718	8.7	19.5
9 28	1 4.34	+ 6 40.6	1.729	2.716	4.5	19.3
10 8	0 56.36	+ 5 37.3	1.715	2.715	0.2	18.9
10 18	0 48.38	+ 4 33.9	1.730	2.713	4.3	19.2
10 28	0 41.36	+ 3 37.2	1.772	2.711	8.5	19.5
11 7	0 36.08	+ 2 52.7	1.840	2.709	12.2	19.7
11 17	0 33.01	+ 2 23.8	1.928	2.708	15.3	19.9

510275 2011 KF_{8} 10 8.3 86°.12 7°.5/ 2.5 18

9 8	1 22.34	−12 46.5	1.645	2.542	12.9	20.9
9 18	1 15.16	−13 43.2	1.616	2.558	9.8	20.7
9 28	1 6.18	−14 29.2	1.610	2.574	7.8	20.6
10 8	0 56.42	−14 57.0	1.631	2.589	7.9	20.7
10 18	0 46.99	−15 2.1	1.677	2.605	10.0	20.8
10 28	0 38.94	−14 42.8	1.748	2.620	12.8	21.1
11 7	0 33.00	−14 0.9	1.841	2.635	15.5	21.3
11 17	0 29.56	−12 59.8	1.952	2.649	17.7	21.5

287718 2003 QK_{95} 10 8.3 268°.96 1°.6/ 9.7 17

9 8	1 17.97	+13 38.6	1.388	2.269	15.8	21.2
9 18	1 12.74	+12 48.2	1.321	2.264	11.5	20.9
9 28	1 5.22	+11 35.7	1.276	2.259	6.6	20.6
10 8	0 56.40	+10 6.7	1.256	2.254	1.9	20.3
10 18	0 47.51	+ 8 30.3	1.262	2.248	4.8	20.5
10 28	0 39.89	+ 6 57.8	1.295	2.243	10.0	20.8
11 7	0 34.55	+ 5 39.1	1.350	2.238	14.6	21.0
11 17	0 32.07	+ 4 40.7	1.426	2.233	18.4	21.3

228494 2001 SV_{252} 10 8.3 9°.10 2°.8/ 6.7 18

9 8	1 20.41	+ 0 40.0	1.162	2.075	15.7	18.8
9 18	1 14.55	+ 0 25.9	1.114	2.076	10.9	18.5
9 28	1 6.16	+ 0 7.6	1.088	2.078	5.8	18.2
10 8	0 56.43	− 0 8.3	1.085	2.081	2.9	18.1
10 18	0 46.81	− 0 15.6	1.107	2.086	7.1	18.3
10 28	0 38.78	− 0 8.8	1.153	2.091	12.1	18.6
11 7	0 33.38	+ 0 14.6	1.219	2.097	16.6	18.9
11 17	0 31.13	+ 0 54.8	1.304	2.104	20.2	19.2

287091 2002 RG_{82} 10 8.3 19°.05 0°.2/ 8.2 18

9 8	1 15.36	+ 8 41.6	1.489	2.384	14.1	19.7
9 18	1 10.65	+ 7 50.7	1.435	2.388	9.9	19.4
9 28	1 4.01	+ 6 45.8	1.404	2.393	5.1	19.2
10 8	0 56.36	+ 5 33.6	1.399	2.398	0.2	18.8
10 18	0 48.78	+ 4 22.1	1.420	2.404	4.9	19.2
10 28	0 42.39	+ 3 19.8	1.467	2.410	9.5	19.5
11 7	0 38.00	+ 2 32.9	1.538	2.417	13.6	19.7
11 17	0 36.09	+ 2 5.0	1.628	2.424	17.0	20.0

121706 1999 XE_{95} 10 8.3 227°.93 4°.3/ 2.7 18

9 8	1 15.40	− 8 10.8	2.674	3.568	8.6	20.3
9 18	1 10.06	− 9 9.4	2.612	3.559	6.3	20.1
9 28	1 3.52	−10 5.3	2.578	3.550	4.6	20.0
10 8	0 56.35	−10 53.7	2.572	3.540	4.7	20.0
10 18	0 49.17	−11 30.1	2.595	3.530	6.5	20.1
10 28	0 42.63	−11 51.4	2.645	3.520	8.9	20.2
11 7	0 37.31	−11 56.2	2.720	3.509	11.1	20.4
11 17	0 33.57	−11 44.7	2.815	3.498	13.1	20.5

219112 1998 SW_{77} 10 8.3 314°.15 1°.9/ 6.6 18

9 8	1 14.69	+ 6 10.6	1.288	2.197	14.9	19.3
9 18	1 10.61	+ 4 48.4	1.218	2.179	10.4	19.0
9 28	1 4.20	+ 3 9.2	1.170	2.161	5.3	18.7
10 8	0 56.37	+ 1 22.3	1.147	2.144	2.1	18.4
10 18	0 48.37	− 0 20.6	1.149	2.128	6.8	18.7
10 28	0 41.54	− 1 47.4	1.176	2.112	12.1	18.9
11 7	0 36.96	− 2 49.7	1.224	2.097	16.8	19.1
11 17	0 35.27	− 3 23.6	1.290	2.082	20.8	19.4

219962 2002 JM_{72} 10 8.3 61°.90 1°.6/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 13.94	+15 14.4	2.091	2.952	12.1	19.5
9 18	1 9.22	+14 11.3	2.033	2.964	8.8	19.3
9 28	1 3.12	+12 52.1	2.000	2.977	5.2	19.1
10 8	0 56.33	+11 21.9	1.994	2.990	1.8	18.9
10 18	0 49.65	+ 9 47.3	2.018	3.003	3.4	19.0
10 28	0 43.86	+ 8 15.7	2.070	3.016	7.0	19.3
11 7	0 39.58	+ 6 53.9	2.150	3.029	10.3	19.5
11 17	0 37.18	+ 5 46.6	2.253	3.042	13.1	19.7

129583 1997 SV_{14} 10 8.3 312°.56 1°.0/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 9.96	+12 33.4	4.033	4.887	6.9	19.6
9 18	1 6.03	+12 16.3	3.953	4.881	5.0	19.4
9 28	1 1.36	+11 52.4	3.899	4.876	2.9	19.3
10 8	0 56.29	+11 23.4	3.875	4.870	1.1	19.1
10 18	0 51.19	+10 51.4	3.881	4.865	2.1	19.2
10 28	0 46.48	+10 19.0	3.917	4.859	4.1	19.4
11 7	0 42.50	+ 9 48.8	3.981	4.854	6.1	19.5
11 17	0 39.53	+ 9 22.9	4.071	4.849	7.9	19.6

518989 2010 JB_{21} 10 8.4 142°.14 1°.7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.75	+ 2 45.5	1.781	2.672	12.3	21.2
9 18	1 14.16	+ 2 17.4	1.724	2.677	8.5	21.0
9 28	1 5.77	+ 1 43.7	1.692	2.681	4.4	20.8
10 8	0 56.44	+ 1 9.6	1.688	2.685	1.8	20.6
10 18	0 47.19	+ 0 40.3	1.712	2.689	5.2	20.8
10 28	0 39.04	+ 0 20.7	1.763	2.692	9.3	21.1
11 7	0 32.79	+ 0 14.3	1.839	2.695	12.9	21.3
11 17	0 28.90	+ 0 22.4	1.936	2.698	15.8	21.6

257199 2008 RW_{58} 10 8.4 339°.26 0°.5/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 9.55	+ 5 0.4	3.926	4.806	6.5	20.4
9 18	1 5.74	+ 4 30.4	3.856	4.804	4.4	20.2
9 28	1 1.21	+ 3 56.6	3.814	4.801	2.2	20.1
10 8	0 56.29	+ 3 21.4	3.801	4.799	0.5	19.9
10 18	0 51.37	+ 2 47.3	3.818	4.797	2.5	20.1
10 28	0 46.84	+ 2 16.8	3.866	4.795	4.7	20.2
11 7	0 43.06	+ 1 52.2	3.941	4.793	6.7	20.4
11 17	0 40.28	+ 1 35.0	4.040	4.791	8.4	20.5

152069 2004 QV_{21} 10 8.4 85°.28 1°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.95	+13 46.5	2.127	2.988	11.9	20.3
9 18	1 11.28	+13 19.6	2.073	3.004	8.7	20.2
9 28	1 4.19	+12 39.2	2.043	3.021	5.1	20.0
10 8	0 56.40	+11 49.0	2.041	3.037	2.0	19.8
10 18	0 48.72	+10 53.6	2.068	3.053	3.5	19.9
10 28	0 41.97	+ 9 58.8	2.124	3.069	6.9	20.2
11 7	0 36.79	+ 9 10.1	2.206	3.085	10.1	20.4
11 17	0 33.56	+ 8 31.6	2.311	3.100	12.8	20.6

356898 2011 YT_{29} 10 8.4 222°.31 1°.0/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 9.16	+13 8.0	4.565	5.415	6.2	21.5
9 18	1 5.42	+12 46.8	4.486	5.412	4.5	21.4
9 28	1 1.03	+12 19.3	4.434	5.409	2.7	21.3
10 8	0 56.31	+11 47.2	4.412	5.407	1.1	21.2
10 18	0 51.57	+11 12.3	4.420	5.404	1.8	21.2
10 28	0 47.18	+10 36.9	4.459	5.401	3.7	21.4
11 7	0 43.43	+10 3.4	4.526	5.398	5.5	21.5
11 17	0 40.57	+ 9 33.9	4.620	5.395	7.0	21.6

180996 2005 NT_{23} 10 8.4 37°.91 0°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.43	+10 5.2	1.811	2.694	12.6	20.2
9 18	1 10.48	+ 9 15.4	1.752	2.698	8.9	20.0
9 28	1 3.88	+ 8 12.4	1.716	2.702	4.7	19.7
10 8	0 56.41	+ 7 1.5	1.708	2.707	0.5	19.4
10 18	0 49.00	+ 5 49.4	1.727	2.711	4.1	19.7
10 28	0 42.57	+ 4 43.4	1.774	2.716	8.3	20.0
11 7	0 37.86	+ 3 49.6	1.846	2.721	11.9	20.2
11 17	0 35.31	+ 3 11.7	1.940	2.726	15.0	20.4

309650 2008 DF_{20} 10 8.4 222°.73 0°.8/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.17	+ 5 21.7	2.300	3.183	10.3	21.9
9 18	1 11.48	+ 4 45.8	2.227	3.176	7.2	21.7
9 28	1 4.36	+ 4 2.8	2.180	3.168	3.7	21.4
10 8	0 56.44	+ 3 16.8	2.162	3.161	0.8	21.2
10 18	0 48.48	+ 2 32.3	2.173	3.152	4.0	21.4
10 28	0 41.27	+ 1 54.3	2.213	3.144	7.6	21.7
11 7	0 35.48	+ 1 26.6	2.279	3.135	10.7	21.8
11 17	0 31.55	+ 1 11.6	2.368	3.126	13.4	22.0

221508 2006 DB_{134} 10 8.4 341°.28 1°.7/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.61	+ 2 38.9	2.031	2.926	10.9	20.3
9 18	1 10.50	+ 2 0.8	1.968	2.922	7.5	20.0
9 28	1 3.87	+ 1 17.3	1.930	2.919	3.9	19.8
10 8	0 56.43	+ 0 33.4	1.920	2.916	1.8	19.7
10 18	0 48.98	− 0 5.8	1.938	2.914	4.9	19.9
10 28	0 42.39	− 0 35.4	1.984	2.911	8.5	20.1
11 7	0 37.34	− 0 51.9	2.054	2.909	11.8	20.3
11 17	0 34.27	− 0 53.7	2.146	2.907	14.5	20.5

46429 2002 JP_{63} 10 8.4 34°.90 1°.4/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.61	+ 5 13.3	1.161	2.069	16.2	18.9
9 18	1 13.96	+ 4 33.9	1.116	2.076	11.2	18.6
9 28	1 5.86	+ 3 43.1	1.093	2.084	5.7	18.3
10 8	0 56.50	+ 2 48.7	1.094	2.092	1.5	18.1
10 18	0 47.31	+ 1 59.5	1.119	2.101	6.3	18.4
10 28	0 39.73	+ 1 23.8	1.168	2.110	11.6	18.8
11 7	0 34.74	+ 1 6.7	1.239	2.120	16.1	19.1
11 17	0 32.80	+ 1 10.0	1.328	2.130	19.8	19.4

65166 2002 CJ_{165} 10 8.4 43°.80 6°.5/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.76	−10 8.6	1.807	2.713	11.4	18.4
9 18	1 10.61	−11 30.4	1.773	2.723	8.6	18.2
9 28	1 3.89	−12 45.3	1.765	2.733	6.7	18.1
10 8	0 56.43	−13 45.6	1.782	2.744	7.0	18.2
10 18	0 49.14	−14 25.4	1.826	2.755	9.2	18.3
10 28	0 42.90	−14 41.3	1.894	2.766	11.9	18.5
11 7	0 38.39	−14 33.4	1.984	2.778	14.5	18.7
11 17	0 35.98	−14 3.7	2.092	2.790	16.7	18.9

53985 2000 GG_{77} 10 8.4 30°.10 2°.3/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.49	+ 2 3.5	1.299	2.206	14.9	17.6
9 18	1 14.41	+ 1 35.2	1.252	2.211	10.3	17.4
9 28	1 6.05	+ 1 0.8	1.227	2.217	5.4	17.1
10 8	0 56.51	+ 0 27.1	1.227	2.224	2.4	16.9
10 18	0 47.12	+ 0 0.8	1.253	2.231	6.5	17.2
10 28	0 39.20	− 0 11.9	1.304	2.239	11.3	17.5
11 7	0 33.70	− 0 7.9	1.376	2.247	15.5	17.8
11 17	0 31.10	+ 0 13.8	1.468	2.255	18.9	18.1

14812 Rosario 10 8.4 97°.44 2°.3/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.93	+ 0 31.0	1.657	2.547	13.2	17.9
9 18	1 17.67	+ 0 17.5	1.617	2.568	9.1	17.7
9 28	1 7.54	+ 0 1.3	1.601	2.589	4.8	17.5
10 8	0 56.57	− 0 12.7	1.614	2.609	2.3	17.4
10 18	0 45.91	− 0 20.3	1.655	2.629	5.7	17.6
10 28	0 36.67	− 0 17.6	1.723	2.649	9.7	17.9
11 7	0 29.64	− 0 2.7	1.817	2.668	13.2	18.2
11 17	0 25.21	+ 0 24.8	1.931	2.687	16.1	18.4

223615 2004 HP_{72} 10 8.4 329°.47 0°.3/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 9.51	+ 6 1.2	4.112	4.989	6.3	20.5
9 18	1 5.71	+ 5 33.4	4.041	4.987	4.3	20.4
9 28	1 1.21	+ 5 1.7	3.998	4.985	2.2	20.3
10 8	0 56.34	+ 4 28.1	3.985	4.984	0.3	20.1
10 18	0 51.48	+ 3 55.0	4.002	4.982	2.3	20.3
10 28	0 46.99	+ 3 24.8	4.049	4.980	4.4	20.4
11 7	0 43.21	+ 2 59.8	4.124	4.979	6.3	20.5
11 17	0 40.39	+ 2 41.5	4.224	4.977	8.0	20.7

230324 2002 CU_{83} 10 8.4 151°.75 2°.8/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.06	+ 0 58.2	1.818	2.715	11.8	20.2
9 18	1 12.27	− 0 7.1	1.764	2.720	8.1	20.0
9 28	1 4.81	− 1 17.3	1.735	2.724	4.4	19.8
10 8	0 56.48	− 2 25.3	1.735	2.727	3.0	19.7
10 18	0 48.23	− 3 24.2	1.762	2.730	6.1	19.9
10 28	0 41.01	− 4 8.3	1.816	2.734	9.8	20.1
11 7	0 35.56	− 4 34.0	1.894	2.736	13.2	20.3
11 17	0 32.33	− 4 40.5	1.993	2.739	16.0	20.6

520147 2014 BL_{69} 10 8.4 92°.10 1°.4/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.89	+12 22.4	1.786	2.657	13.3	21.3
9 18	1 12.86	+11 52.7	1.733	2.671	9.6	21.1
9 28	1 5.10	+11 8.6	1.704	2.685	5.4	20.8
10 8	0 56.49	+10 14.2	1.702	2.699	1.6	20.6
10 18	0 48.01	+ 9 15.4	1.728	2.713	4.0	20.8
10 28	0 40.65	+ 8 19.1	1.782	2.727	8.0	21.1
11 7	0 35.16	+ 7 31.4	1.861	2.740	11.6	21.3
11 17	0 31.97	+ 6 56.6	1.963	2.754	14.7	21.6

299151 2005 EB_{284} 10 8.4 90°.08 0°.2/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.19	+ 7 2.1	1.860	2.738	12.6	20.1
9 18	1 15.74	+ 7 3.1	1.811	2.755	8.8	19.9
9 28	1 6.56	+ 6 55.8	1.787	2.773	4.6	19.7
10 8	0 56.55	+ 6 43.3	1.791	2.791	0.3	19.4
10 18	0 46.71	+ 6 29.5	1.825	2.808	4.1	19.7
10 28	0 38.05	+ 6 18.6	1.886	2.825	8.1	20.0
11 7	0 31.32	+ 6 14.6	1.974	2.842	11.6	20.3
11 17	0 26.95	+ 6 19.7	2.083	2.858	14.5	20.5

206501 2003 UD_{109} 10 8.4 278°.00 0°.8/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.50	+ 5 43.3	1.763	2.653	12.5	20.5
9 18	1 12.73	+ 5 12.6	1.697	2.648	8.7	20.3
9 28	1 5.13	+ 4 32.9	1.655	2.643	4.5	20.0
10 8	0 56.51	+ 3 49.0	1.639	2.638	0.8	19.7
10 18	0 47.84	+ 3 6.8	1.652	2.633	4.8	20.0
10 28	0 40.17	+ 2 32.2	1.691	2.628	9.0	20.2
11 7	0 34.34	+ 2 9.8	1.756	2.623	12.8	20.5
11 17	0 30.87	+ 2 2.4	1.841	2.618	16.0	20.7

436528 2011 FW_{133} 10 8.4 193°.99 0°.4/ 8.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.12	+ 9 31.2	1.807	2.684	12.9	22.8
9 18	1 13.83	+ 8 58.4	1.739	2.683	9.2	22.6
9 28	1 5.70	+ 8 12.9	1.696	2.681	4.9	22.3
10 8	0 56.53	+ 7 19.2	1.680	2.679	0.6	22.0
10 18	0 47.35	+ 6 23.2	1.692	2.676	4.2	22.3
10 28	0 39.19	+ 5 31.6	1.732	2.673	8.6	22.5
11 7	0 32.90	+ 4 50.3	1.798	2.669	12.4	22.7
11 17	0 28.99	+ 4 23.2	1.885	2.665	15.6	23.0

513160 2003 UR_{321} 10 8.4 67°.95 0°.5/ 8.7 18

9 8	1 19.61	+ 8 51.2	1.634	2.518	13.7	21.2
9 18	1 13.48	+ 8 29.8	1.582	2.529	9.6	20.9
9 28	1 5.48	+ 7 56.6	1.554	2.541	5.1	20.7
10 8	0 56.52	+ 7 16.1	1.553	2.552	0.6	20.4
10 18	0 47.69	+ 6 34.0	1.579	2.563	4.4	20.7
10 28	0 40.06	+ 5 56.7	1.632	2.575	8.8	21.0
11 7	0 34.45	+ 5 29.5	1.709	2.586	12.6	21.3
11 17	0 31.30	+ 5 15.7	1.808	2.598	15.8	21.5

386089 2007 OD_{8} 10 8.4 56°.90 7°.9/ 1.3 18

9 8	1 18.04	−10 29.5	1.437	2.348	13.5	19.9
9 18	1 12.33	−12 15.6	1.420	2.371	10.1	19.8
9 28	1 4.79	−13 51.2	1.426	2.394	8.1	19.7
10 8	0 56.49	−15 6.0	1.458	2.418	8.5	19.8
10 18	0 48.56	−15 53.2	1.515	2.442	10.9	20.0
10 28	0 42.04	−16 9.9	1.595	2.466	13.8	20.3
11 7	0 37.65	−15 57.8	1.695	2.490	16.6	20.5
11 17	0 35.72	−15 20.8	1.811	2.514	18.8	20.8

98058 2000 RH_{46} 10 8.4 16°.23 3°.6/10.2 18 R

9 8	1 20.52	+11 45.8	0.882	1.789	20.1	17.8
9 18	1 15.22	+12 28.5	0.841	1.795	14.8	17.5
9 28	1 6.75	+12 50.4	0.818	1.802	8.9	17.2
10 8	0 56.57	+12 53.2	0.816	1.811	3.9	17.0
10 18	0 46.53	+12 41.9	0.835	1.822	6.3	17.2
10 28	0 38.50	+12 25.5	0.876	1.835	11.8	17.5
11 7	0 33.75	+12 13.0	0.937	1.848	17.0	17.9
11 17	0 32.77	+12 11.0	1.015	1.864	21.2	18.2

356915 2012 BG_{61} 10 8.4 312°.97 1°.0/10.3 18

9 8	1 10.36	+12 36.0	4.106	4.958	6.8	21.1
9 18	1 6.33	+12 22.8	4.027	4.954	5.0	20.9
9 28	1 1.56	+12 3.0	3.974	4.950	2.9	20.8
10 8	0 56.40	+11 38.2	3.951	4.946	1.2	20.6
10 18	0 51.22	+11 10.4	3.959	4.943	2.0	20.7
10 28	0 46.41	+10 41.9	3.996	4.939	4.0	20.8
11 7	0 42.33	+10 15.4	4.062	4.935	6.0	21.0
11 17	0 39.26	+ 9 52.8	4.154	4.932	7.7	21.1

37338 2001 RF_{93} 10 8.4 332°.17 2°.4/ 5.3 18

9 8	1 12.50	+ 1 32.8	2.220	3.119	9.9	18.5
9 18	1 8.26	+ 0 19.6	2.156	3.113	6.8	18.3
9 28	1 2.71	− 0 59.0	2.119	3.107	3.7	18.1
10 8	0 56.44	− 2 16.8	2.109	3.101	2.6	18.1
10 18	0 50.16	− 3 27.7	2.128	3.096	5.3	18.2
10 28	0 44.61	− 4 26.1	2.175	3.091	8.5	18.4
11 7	0 40.38	− 5 8.1	2.247	3.086	11.5	18.6
11 17	0 37.91	− 5 32.1	2.340	3.081	14.0	18.8

451329 2010 VK_{88} 10 8.4 313°.41 3°.7/12.3 18

9 8	1 15.37	+19 15.0	2.011	2.855	13.2	20.8
9 18	1 10.51	+18 57.3	1.932	2.847	10.2	20.6
9 28	1 3.97	+18 20.5	1.877	2.840	6.9	20.3
10 8	0 56.49	+17 26.8	1.847	2.833	4.1	20.2
10 18	0 48.92	+16 20.4	1.844	2.825	4.4	20.2
10 28	0 42.20	+15 8.1	1.870	2.819	7.4	20.3
11 7	0 37.10	+13 57.2	1.922	2.812	10.7	20.5
11 17	0 34.14	+12 54.4	1.996	2.805	13.8	20.7

407089 2009 SH_{259} 10 8.4 93°.86 0°.5/ 8.9 18

9 8	1 19.48	+ 8 20.9	2.236	3.108	11.0	20.8
9 18	1 13.03	+ 8 17.4	2.178	3.119	7.7	20.6
9 28	1 5.15	+ 8 5.8	2.146	3.130	4.2	20.4
10 8	0 56.54	+ 7 48.6	2.142	3.141	0.6	20.2
10 18	0 47.99	+ 7 29.5	2.168	3.152	3.5	20.4
10 28	0 40.33	+ 7 12.2	2.223	3.163	7.0	20.7
11 7	0 34.22	+ 7 0.4	2.305	3.174	10.1	20.9
11 17	0 30.06	+ 6 56.8	2.410	3.184	12.7	21.1

276778 2004 HD_{65} 10 8.4 126°.46 0°.8/ 9.1 16

9 8	1 20.98	+10 21.3	1.720	2.596	13.5	21.7
9 18	1 14.39	+ 9 50.9	1.665	2.607	9.6	21.5
9 28	1 5.95	+ 9 7.2	1.634	2.618	5.2	21.3
10 8	0 56.56	+ 8 14.8	1.630	2.629	0.9	21.0
10 18	0 47.30	+ 7 19.8	1.654	2.639	4.2	21.3
10 28	0 39.22	+ 6 29.1	1.707	2.649	8.5	21.6
11 7	0 33.13	+ 5 48.4	1.784	2.658	12.3	21.8
11 17	0 29.47	+ 5 21.7	1.883	2.667	15.5	22.1

210639 2000 GU_{50} 10 8.4 111°.38 1°.5/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.31	+ 2 38.5	1.904	2.794	11.8	20.4
9 18	1 13.81	+ 2 20.4	1.846	2.798	8.1	20.2
9 28	1 5.63	+ 1 57.5	1.813	2.801	4.2	20.0
10 8	0 56.56	+ 1 34.0	1.807	2.804	1.5	19.8
10 18	0 47.54	+ 1 14.6	1.830	2.808	4.9	20.1
10 28	0 39.54	+ 1 3.4	1.881	2.811	8.7	20.3
11 7	0 33.31	+ 1 3.5	1.957	2.814	12.2	20.5
11 17	0 29.33	+ 1 16.2	2.055	2.817	15.0	20.7

513491 2009 FM 10 8.4 235°.01 1°.2/ 9.4 18

9 8	1 21.66	+10 13.7	2.185	3.049	11.5	21.7
9 18	1 14.80	+10 15.4	2.102	3.038	8.3	21.5
9 28	1 6.21	+10 7.2	2.045	3.026	4.7	21.3
10 8	0 56.59	+ 9 51.1	2.015	3.013	1.3	21.0
10 18	0 46.82	+ 9 30.3	2.016	3.000	3.7	21.2
10 28	0 37.85	+ 9 9.1	2.046	2.986	7.4	21.4
11 7	0 30.48	+ 8 52.0	2.103	2.972	10.9	21.6
11 17	0 25.24	+ 8 42.6	2.183	2.958	13.9	21.7

83923 2001 VR_{16} 10 8.4 17°.53 5°.5/14.8 18

9 8	1 15.81	+25 10.0	2.227	3.034	13.3	18.2
9 18	1 10.71	+25 19.5	2.155	3.037	10.8	18.1
9 28	1 4.04	+25 9.1	2.105	3.040	8.2	17.9
10 8	0 56.51	+24 39.1	2.081	3.044	6.1	17.8
10 18	0 48.93	+23 52.1	2.083	3.047	5.7	17.8
10 28	0 42.20	+22 53.3	2.112	3.052	7.3	17.9
11 7	0 37.02	+21 49.7	2.168	3.056	9.8	18.0
11 17	0 33.88	+20 47.6	2.248	3.061	12.3	18.2

142768 2002 UA_{6} 10 8.4 264°.16 2°.5/ 5.7 18

9 8	1 15.68	+ 2 21.2	1.967	2.864	11.1	19.6
9 18	1 10.68	+ 1 6.8	1.895	2.851	7.7	19.4
9 28	1 4.05	− 0 15.0	1.849	2.838	4.1	19.2
10 8	0 56.51	− 1 37.4	1.831	2.825	2.6	19.1
10 18	0 48.90	− 2 53.4	1.841	2.811	5.8	19.2
10 28	0 42.10	− 3 55.9	1.879	2.798	9.5	19.4
11 7	0 36.88	− 4 40.5	1.942	2.784	12.9	19.6
11 17	0 33.73	− 5 5.1	2.025	2.770	15.8	19.8

90318 2003 FO_{49} 10 8.4 68°.36 2°.7/ 5.3 18

9 8	1 14.91	+ 1 20.4	1.960	2.860	11.0	19.2
9 18	1 9.98	+ 0 3.8	1.912	2.869	7.5	19.0
9 28	1 3.60	− 1 17.4	1.890	2.878	4.1	18.8
10 8	0 56.50	− 2 36.3	1.895	2.887	2.9	18.8
10 18	0 49.50	− 3 46.0	1.929	2.897	5.8	19.0
10 28	0 43.42	− 4 40.9	1.990	2.906	9.2	19.2
11 7	0 38.91	− 5 17.4	2.076	2.916	12.3	19.4
11 17	0 36.35	− 5 34.7	2.182	2.925	14.8	19.7

274827 2009 PR_{11} 10 8.4 39°.25 3°.0/10.3 18

9 8	1 21.82	+12 59.1	1.120	2.010	18.2	19.6
9 18	1 15.59	+13 10.4	1.080	2.025	13.3	19.4
9 28	1 6.75	+13 1.3	1.060	2.042	7.9	19.1
10 8	0 56.62	+12 35.3	1.063	2.059	3.3	18.9
10 18	0 46.74	+11 58.8	1.091	2.077	5.4	19.1
10 28	0 38.65	+11 20.9	1.142	2.095	10.4	19.5
11 7	0 33.36	+10 49.9	1.216	2.115	15.0	19.8
11 17	0 31.32	+10 31.4	1.309	2.134	18.7	20.1

131173 2001 CN_{38} 10 8.4 210°.72 3°.3/ 5.4 18

9 8	1 21.21	− 2 51.2	2.079	2.971	10.8	20.2
9 18	1 14.40	− 3 24.3	2.014	2.966	7.6	20.0
9 28	1 5.94	− 3 57.9	1.976	2.960	4.5	19.8
10 8	0 56.60	− 4 26.9	1.965	2.954	3.5	19.8
10 18	0 47.24	− 4 46.5	1.984	2.947	6.1	19.9
10 28	0 38.81	− 4 53.1	2.031	2.940	9.4	20.1
11 7	0 32.04	− 4 44.8	2.102	2.933	12.5	20.3
11 17	0 27.41	− 4 21.4	2.195	2.925	15.1	20.5

222066 1998 XM_{59} 10 8.4 340°.94 7°.9/17.7 18

9 8	1 13.96	+31 36.6	1.910	2.690	16.2	18.4
9 18	1 9.77	+31 35.6	1.827	2.680	13.8	18.2
9 28	1 3.69	+31 5.9	1.763	2.672	11.1	18.1
10 8	0 56.51	+30 6.6	1.721	2.664	8.9	17.9
10 18	0 49.22	+28 40.6	1.705	2.657	7.9	17.8
10 28	0 42.90	+26 54.8	1.714	2.650	9.0	17.9
11 7	0 38.42	+24 59.6	1.749	2.644	11.4	18.0
11 17	0 36.33	+23 5.2	1.808	2.639	14.1	18.2

8506 1991 CN 10 8.4 215°.40 0°.7/ 8.9 18

9 8	1 22.01	+ 9 26.7	1.543	2.425	14.5	17.5
9 18	1 15.46	+ 9 8.1	1.476	2.421	10.3	17.2
9 28	1 6.69	+ 8 35.8	1.432	2.417	5.6	16.9
10 8	0 56.64	+ 7 53.9	1.414	2.413	0.9	16.6
10 18	0 46.53	+ 7 8.4	1.424	2.409	4.7	16.9
10 28	0 37.62	+ 6 26.6	1.461	2.404	9.5	17.2
11 7	0 30.91	+ 5 55.0	1.521	2.399	13.8	17.4
11 17	0 26.98	+ 5 37.6	1.602	2.393	17.4	17.6

71230 1999 YR_{17} 10 8.4 322°.05 4°.0/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.37	− 5 10.8	1.847	2.744	11.7	17.4
9 18	1 14.77	− 5 18.4	1.774	2.726	8.4	17.2
9 28	1 6.26	− 5 23.3	1.726	2.709	5.1	17.0
10 8	0 56.63	− 5 20.6	1.705	2.692	4.1	16.9
10 18	0 46.89	− 5 6.5	1.712	2.676	6.8	17.0
10 28	0 38.12	− 4 38.2	1.747	2.660	10.4	17.2
11 7	0 31.18	− 3 54.9	1.805	2.645	13.8	17.4
11 17	0 26.63	− 2 57.4	1.884	2.630	16.8	17.6

513936 2014 DT_{66} 10 8.4 256°.42 6°.5/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.13	− 6 51.6	1.735	2.644	11.6	21.4
9 18	1 10.38	− 9 9.6	1.688	2.642	8.5	21.2
9 28	1 3.92	−11 26.2	1.667	2.640	6.6	21.1
10 8	0 56.54	−13 30.3	1.674	2.637	7.2	21.2
10 18	0 49.19	−15 12.0	1.708	2.635	9.9	21.3
10 28	0 42.84	−16 24.7	1.767	2.633	13.0	21.5
11 7	0 38.23	−17 6.6	1.847	2.630	15.8	21.7
11 17	0 35.84	−17 19.1	1.945	2.628	18.2	21.9

488292 2016 UL_{27} 10 8.4 15°.24 0°.8/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.43	+ 8 25.7	1.046	1.962	16.9	19.6
9 18	1 9.11	+ 7 18.7	1.006	1.969	11.7	19.3
9 28	1 3.42	+ 5 54.1	0.987	1.978	6.0	19.0
10 8	0 56.52	+ 4 22.1	0.989	1.988	0.8	18.7
10 18	0 49.80	+ 2 54.6	1.016	2.001	6.1	19.1
10 28	0 44.58	+ 1 43.2	1.065	2.014	11.6	19.5
11 7	0 41.82	+ 0 55.2	1.136	2.029	16.2	19.8
11 17	0 41.91	+ 0 33.3	1.224	2.046	20.0	20.1

268828 2006 VD_{172} 10 8.4 314°.34 6°.0/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.99	− 5 14.3	1.336	2.250	14.1	20.0
9 18	1 13.51	− 6 24.0	1.281	2.240	10.1	19.7
9 28	1 5.72	− 7 33.1	1.249	2.231	6.7	19.5
10 8	0 56.62	− 8 31.6	1.241	2.222	6.4	19.5
10 18	0 47.50	− 9 10.8	1.258	2.214	9.6	19.7
10 28	0 39.69	− 9 24.6	1.298	2.206	13.7	19.9
11 7	0 34.21	− 9 11.4	1.359	2.198	17.5	20.1
11 17	0 31.59	− 8 33.1	1.437	2.191	20.8	20.3

449792 2014 OK_{222} 10 8.4 336°.12 5°.0/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.22	− 7 10.2	1.967	2.868	10.9	20.2
9 18	1 11.66	− 7 58.7	1.912	2.865	7.9	20.1
9 28	1 4.54	− 8 44.2	1.884	2.861	5.4	19.9
10 8	0 56.58	− 9 20.3	1.882	2.858	5.3	19.9
10 18	0 48.67	− 9 42.1	1.907	2.855	7.5	20.0
10 28	0 41.69	− 9 45.9	1.958	2.852	10.5	20.2
11 7	0 36.34	− 9 30.9	2.032	2.849	13.4	20.4
11 17	0 33.07	− 8 57.9	2.127	2.847	15.8	20.6

487070 2014 OV_{98} 10 8.4 126°.12 2°.5/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.69	+16 25.7	2.454	3.298	11.1	21.8
9 18	1 11.11	+16 12.2	2.387	3.306	8.3	21.7
9 28	1 4.19	+15 45.3	2.345	3.313	5.3	21.5
10 8	0 56.58	+15 7.0	2.331	3.321	2.8	21.3
10 18	0 48.98	+14 21.0	2.345	3.328	3.4	21.4
10 28	0 42.16	+13 32.1	2.390	3.335	6.2	21.6
11 7	0 36.71	+12 45.3	2.461	3.341	9.1	21.8
11 17	0 33.05	+12 5.0	2.556	3.348	11.6	22.0

392983 2012 XY_{58} 10 8.4 272°.03 2°.9/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.14	− 1 3.7	1.791	2.685	12.1	20.0
9 18	1 15.37	− 1 22.8	1.719	2.672	8.5	19.8
9 28	1 6.60	− 1 43.7	1.671	2.658	4.7	19.5
10 8	0 56.69	− 2 1.5	1.651	2.644	3.0	19.4
10 18	0 46.65	− 2 11.4	1.659	2.630	6.1	19.6
10 28	0 37.61	− 2 9.1	1.694	2.616	10.1	19.8
11 7	0 30.48	− 1 52.3	1.753	2.601	13.8	20.0
11 17	0 25.82	− 1 20.6	1.834	2.587	16.9	20.2

401538 2013 EO_{108} 10 8.4 100°.28 0°.6/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.27	+10 1.0	1.998	2.874	11.9	21.4
9 18	1 11.70	+ 9 31.9	1.936	2.879	8.5	21.2
9 28	1 4.57	+ 8 51.5	1.899	2.883	4.6	21.0
10 8	0 56.61	+ 8 3.6	1.889	2.888	0.8	20.7
10 18	0 48.68	+ 7 13.3	1.908	2.892	3.7	21.0
10 28	0 41.67	+ 6 26.4	1.955	2.897	7.6	21.2
11 7	0 36.29	+ 5 48.2	2.027	2.901	11.1	21.4
11 17	0 32.99	+ 5 21.9	2.122	2.905	14.0	21.6

315887 2008 KV_{26} 10 8.4 101°.67 2°.7/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.88	− 0 35.1	2.300	3.195	9.8	21.0
9 18	1 10.48	− 1 35.5	2.255	3.209	6.7	20.8
9 28	1 3.83	− 2 37.8	2.238	3.224	3.8	20.6
10 8	0 56.59	− 3 36.6	2.248	3.238	2.9	20.6
10 18	0 49.46	− 4 26.9	2.288	3.252	5.3	20.8
10 28	0 43.16	− 5 4.4	2.356	3.266	8.3	21.0
11 7	0 38.25	− 5 26.8	2.449	3.279	11.0	21.2
11 17	0 35.10	− 5 33.5	2.564	3.293	13.2	21.4

223394 2003 SM_{106} 10 8.4 57°.02 5°.8/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.75	+23 53.3	2.073	2.883	14.1	19.5
9 18	1 14.19	+24 27.0	2.015	2.900	11.3	19.3
9 28	1 5.90	+24 40.9	1.979	2.916	8.5	19.2
10 8	0 56.67	+24 34.7	1.969	2.933	6.3	19.1
10 18	0 47.47	+24 10.6	1.986	2.950	6.0	19.1
10 28	0 39.30	+23 33.6	2.031	2.967	7.8	19.3
11 7	0 32.94	+22 50.3	2.102	2.984	10.3	19.4
11 17	0 28.86	+22 7.3	2.196	3.002	12.8	19.7

193641 2001 DH_{16} 10 8.4 290°.09 1°.7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 9.60	− 2 4.6	4.343	5.233	5.7	19.6
9 18	1 5.78	− 2 35.4	4.279	5.230	3.9	19.5
9 28	1 1.31	− 3 6.7	4.242	5.227	2.3	19.4
10 8	0 56.49	− 3 36.1	4.236	5.224	1.8	19.3
10 18	0 51.68	− 4 1.3	4.259	5.221	3.2	19.5
10 28	0 47.22	− 4 20.6	4.312	5.217	4.9	19.6
11 7	0 43.43	− 4 32.2	4.392	5.214	6.6	19.7
11 17	0 40.56	− 4 35.6	4.496	5.211	8.1	19.8

381117 2007 DA_{40} 10 8.4 256°.57 2°.4/ 4.7 16 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.15	− 2 22.7	3.273	4.166	7.3	21.8
9 18	1 7.73	− 3 8.2	3.204	4.156	5.0	21.6
9 28	1 2.38	− 3 54.7	3.163	4.147	3.0	21.5
10 8	0 56.54	− 4 38.5	3.151	4.138	2.5	21.5
10 18	0 50.68	− 5 16.4	3.169	4.128	4.3	21.6
10 28	0 45.30	− 5 45.3	3.216	4.118	6.6	21.7
11 7	0 40.84	− 6 3.2	3.289	4.108	8.7	21.8
11 17	0 37.62	− 6 9.2	3.385	4.099	10.5	22.0

224731 2006 CK_{9} 10 8.4 199°.83 0°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.60	+ 9 43.2	2.457	3.330	10.1	20.4
9 18	1 9.66	+ 8 57.5	2.387	3.329	7.1	20.2
9 28	1 3.46	+ 8 1.9	2.342	3.327	3.8	20.0
10 8	0 56.59	+ 7 0.1	2.326	3.325	0.4	19.7
10 18	0 49.71	+ 5 57.0	2.340	3.323	3.3	20.0
10 28	0 43.53	+ 4 57.9	2.383	3.321	6.7	20.2
11 7	0 38.63	+ 4 7.3	2.453	3.319	9.7	20.4
11 17	0 35.41	+ 3 28.7	2.546	3.317	12.2	20.6

159922 2004 YS_{26} 10 8.4 353°.26 4°.6/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.84	− 5 35.0	1.989	2.893	10.6	19.6
9 18	1 10.01	− 6 38.8	1.936	2.891	7.6	19.4
9 28	1 3.69	− 7 41.2	1.909	2.889	5.1	19.2
10 8	0 56.60	− 8 35.7	1.909	2.888	5.0	19.2
10 18	0 49.54	− 9 16.4	1.937	2.887	7.3	19.4
10 28	0 43.35	− 9 39.1	1.990	2.886	10.3	19.6
11 7	0 38.71	− 9 42.2	2.067	2.885	13.1	19.7
11 17	0 36.04	− 9 26.0	2.163	2.885	15.5	19.9

137421 1999 TR_{199} 10 8.4 141°.40 3°.8/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.92	+18 6.8	1.592	2.445	15.6	19.5
9 18	1 14.65	+17 53.0	1.529	2.451	11.9	19.3
9 28	1 6.26	+17 17.3	1.487	2.456	7.7	19.1
10 8	0 56.70	+16 22.4	1.471	2.461	4.3	18.9
10 18	0 47.17	+15 13.9	1.482	2.465	4.9	18.9
10 28	0 38.87	+14 0.5	1.520	2.469	8.7	19.2
11 7	0 32.76	+12 51.2	1.583	2.473	12.7	19.4
11 17	0 29.34	+11 53.2	1.668	2.477	16.1	19.7

157286 2004 RS_{287} 10 8.4 21°.26 0°.4/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.28	+ 6 9.6	1.749	2.641	12.5	19.2
9 18	1 11.85	+ 5 51.3	1.695	2.646	8.7	19.0
9 28	1 4.69	+ 5 24.6	1.664	2.652	4.5	18.7
10 8	0 56.64	+ 4 53.6	1.660	2.659	0.4	18.4
10 18	0 48.65	+ 4 23.6	1.684	2.666	4.4	18.8
10 28	0 41.71	+ 3 59.8	1.734	2.674	8.6	19.0
11 7	0 36.58	+ 3 46.3	1.809	2.682	12.2	19.3
11 17	0 33.70	+ 3 45.5	1.905	2.691	15.2	19.5

389484 2010 EF_{110} 10 8.4 113°.24 0°.5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.26	+ 9 38.5	1.923	2.799	12.3	21.8
9 18	1 13.07	+ 9 5.6	1.869	2.812	8.7	21.6
9 28	1 5.27	+ 8 21.3	1.840	2.825	4.7	21.4
10 8	0 56.67	+ 7 30.1	1.839	2.837	0.6	21.1
10 18	0 48.18	+ 6 37.4	1.866	2.850	3.9	21.4
10 28	0 40.73	+ 5 49.3	1.921	2.862	7.8	21.7
11 7	0 35.03	+ 5 10.8	2.003	2.873	11.3	21.9
11 17	0 31.49	+ 4 45.3	2.106	2.885	14.2	22.1

401232 2012 AC_{17} 10 8.4 274°.19 6°.8/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.95	−12 33.3	2.123	3.022	10.3	20.3
9 18	1 10.05	−14 8.2	2.077	3.018	8.0	20.2
9 28	1 3.71	−15 36.5	2.057	3.015	6.8	20.1
10 8	0 56.61	−16 50.5	2.064	3.011	7.4	20.1
10 18	0 49.54	−17 44.3	2.098	3.007	9.3	20.2
10 28	0 43.31	−18 14.0	2.157	3.003	11.7	20.4
11 7	0 38.56	−18 19.3	2.237	3.000	14.0	20.5
11 17	0 35.72	−18 1.8	2.335	2.996	16.0	20.7

302786 2002 XY_{45} 10 8.4 291°.74 3°.8/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 17.71	+18 35.9	1.939	2.784	13.6	20.8
9 18	1 12.44	+18 25.9	1.838	2.755	10.5	20.6
9 28	1 5.20	+17 56.4	1.761	2.725	7.1	20.3
10 8	0 56.68	+17 8.5	1.709	2.695	4.2	20.1
10 18	0 47.82	+16 5.7	1.684	2.665	4.7	20.1
10 28	0 39.70	+14 54.6	1.687	2.635	8.1	20.2
11 7	0 33.27	+13 43.4	1.717	2.605	11.9	20.4
11 17	0 29.22	+12 39.6	1.768	2.575	15.4	20.5

173778 2001 SK_{22} 10 8.4 159°.79 0°.9/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.19	+10 11.9	2.348	3.214	10.8	20.8
9 18	1 12.88	+ 9 56.6	2.282	3.219	7.7	20.6
9 28	1 5.15	+ 9 31.7	2.242	3.224	4.3	20.4
10 8	0 56.67	+ 8 59.9	2.230	3.228	1.0	20.1
10 18	0 48.21	+ 8 25.1	2.248	3.232	3.3	20.3
10 28	0 40.57	+ 7 51.7	2.296	3.236	6.8	20.6
11 7	0 34.38	+ 7 23.8	2.370	3.239	9.9	20.8
11 17	0 30.09	+ 7 4.8	2.468	3.242	12.5	21.0

108854 2001 OQ_{94} 10 8.4 8°.39 2°.4/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.88	+ 3 15.4	0.996	1.919	16.8	18.6
9 18	1 11.70	+ 2 37.9	0.953	1.920	11.7	18.3
9 28	1 4.88	+ 1 50.7	0.930	1.922	6.0	18.0
10 8	0 56.66	+ 1 2.5	0.929	1.927	2.5	17.8
10 18	0 48.56	+ 0 23.0	0.951	1.933	7.3	18.2
10 28	0 42.10	+ 0 0.3	0.995	1.940	12.7	18.5
11 7	0 38.35	− 0 1.0	1.059	1.949	17.4	18.8
11 17	0 37.78	+ 0 19.9	1.140	1.960	21.3	19.1

218081 2002 GS_{117} 10 8.4 103°.36 3°.1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.65	− 0 47.6	2.169	3.069	10.1	19.9
9 18	1 9.76	− 2 2.3	2.116	3.072	7.0	19.7
9 28	1 3.53	− 3 19.9	2.090	3.076	4.0	19.5
10 8	0 56.61	− 4 33.8	2.091	3.079	3.4	19.5
10 18	0 49.74	− 5 38.1	2.122	3.083	5.9	19.6
10 28	0 43.67	− 6 27.7	2.179	3.086	9.0	19.8
11 7	0 39.03	− 6 59.6	2.262	3.090	11.8	20.0
11 17	0 36.20	− 7 13.0	2.365	3.093	14.2	20.2

441224 2007 VH_{84} 10 8.4 22°.08 1°.0/ 9.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.58	+ 9 53.1	1.674	2.554	13.6	21.5
9 18	1 13.60	+ 9 44.9	1.612	2.556	9.7	21.3
9 28	1 5.68	+ 9 24.3	1.574	2.558	5.4	21.1
10 8	0 56.70	+ 8 54.8	1.562	2.560	1.2	20.8
10 18	0 47.72	+ 8 21.2	1.577	2.562	4.2	21.0
10 28	0 39.84	+ 7 49.6	1.620	2.565	8.6	21.3
11 7	0 33.94	+ 7 25.6	1.687	2.568	12.5	21.5
11 17	0 30.52	+ 7 13.0	1.775	2.571	15.8	21.8

449362 2013 GX_{72} 10 8.4 323°.76 0°.6/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.20	+ 6 40.9	1.857	2.747	12.0	21.2
9 18	1 11.11	+ 5 59.1	1.791	2.743	8.4	20.9
9 28	1 4.34	+ 5 7.4	1.750	2.738	4.3	20.7
10 8	0 56.64	+ 4 10.9	1.736	2.735	0.6	20.4
10 18	0 48.93	+ 3 15.6	1.749	2.731	4.5	20.7
10 28	0 42.13	+ 2 28.0	1.790	2.727	8.6	20.9
11 7	0 37.02	+ 1 52.9	1.856	2.724	12.2	21.2
11 17	0 34.06	+ 1 33.3	1.943	2.721	15.3	21.4

127010 2002 GO_{11} 10 8.4 121°.50 7°.3/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.46	−14 2.7	1.919	2.810	11.6	19.6
9 18	1 14.52	−15 4.2	1.886	2.822	9.1	19.4
9 28	1 5.99	−15 55.5	1.877	2.834	7.4	19.4
10 8	0 56.72	−16 29.8	1.895	2.845	7.7	19.4
10 18	0 47.67	−16 42.4	1.940	2.856	9.6	19.5
10 28	0 39.79	−16 31.7	2.010	2.866	12.1	19.7
11 7	0 33.75	−15 58.8	2.102	2.876	14.5	19.9
11 17	0 29.95	−15 6.7	2.212	2.886	16.5	20.1

339211 2004 TN_{272} 10 8.4 41°.12 0°.6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.94	+ 5 39.1	1.548	2.440	13.8	20.4
9 18	1 14.61	+ 5 24.4	1.492	2.444	9.7	20.1
9 28	1 6.22	+ 5 0.8	1.459	2.447	5.0	19.9
10 8	0 56.73	+ 4 32.9	1.452	2.451	0.6	19.6
10 18	0 47.29	+ 4 6.2	1.473	2.455	5.0	19.9
10 28	0 39.09	+ 3 46.5	1.520	2.460	9.6	20.2
11 7	0 33.02	+ 3 38.2	1.591	2.464	13.6	20.4
11 17	0 29.58	+ 3 43.6	1.682	2.468	16.9	20.7

427952 2005 WY_{198} 10 8.4 308°.73 0°.5/ 9.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.19	+ 9 32.1	2.800	3.671	9.1	21.7
9 18	1 8.64	+ 9 10.1	2.717	3.657	6.4	21.5
9 28	1 2.94	+ 8 39.8	2.660	3.644	3.5	21.3
10 8	0 56.60	+ 8 4.1	2.631	3.630	0.6	21.0
10 18	0 50.19	+ 7 26.0	2.632	3.617	2.9	21.2
10 28	0 44.32	+ 6 49.7	2.663	3.603	5.9	21.4
11 7	0 39.54	+ 6 18.6	2.720	3.590	8.7	21.5
11 17	0 36.24	+ 5 55.8	2.801	3.577	11.1	21.7

181464 2006 TL_{54} 10 8.4 25°.27 1°.0/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.24	+ 8 9.2	1.001	1.909	18.2	18.8
9 18	1 15.42	+ 8 19.7	0.961	1.919	12.9	18.6
9 28	1 6.81	+ 8 15.2	0.941	1.930	7.0	18.3
10 8	0 56.76	+ 8 0.2	0.943	1.942	1.1	18.0
10 18	0 46.94	+ 7 41.2	0.969	1.956	5.7	18.3
10 28	0 38.98	+ 7 26.2	1.018	1.971	11.4	18.7
11 7	0 33.99	+ 7 21.4	1.087	1.986	16.3	19.0
11 17	0 32.41	+ 7 30.6	1.174	2.003	20.3	19.4

169856 2002 RD_{42} 10 8.4 20°.15 3°.6/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.46	− 0 29.4	1.624	2.531	12.5	19.5
9 18	1 11.37	− 1 39.2	1.574	2.533	8.6	19.3
9 28	1 4.49	− 2 52.7	1.547	2.535	4.9	19.1
10 8	0 56.67	− 4 2.1	1.547	2.537	3.9	19.0
10 18	0 48.92	− 4 59.7	1.574	2.540	7.0	19.2
10 28	0 42.26	− 5 39.3	1.627	2.543	10.8	19.5
11 7	0 37.48	− 5 57.8	1.702	2.547	14.3	19.7
11 17	0 35.04	− 5 55.0	1.797	2.550	17.2	19.9

268718 2006 HH_{61} 10 8.4 279°.92 1°.8/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.39	+ 0 51.6	2.310	3.197	10.1	20.6
9 18	1 13.15	+ 0 38.9	2.230	3.180	7.0	20.4
9 28	1 5.38	+ 0 23.3	2.176	3.163	3.7	20.1
10 8	0 56.71	+ 0 8.5	2.150	3.146	1.8	20.0
10 18	0 47.92	− 0 1.9	2.154	3.129	4.6	20.1
10 28	0 39.86	− 0 4.6	2.187	3.111	8.0	20.3
11 7	0 33.23	+ 0 2.9	2.246	3.094	11.2	20.5
11 17	0 28.52	+ 0 22.0	2.327	3.076	13.9	20.7

134812 2000 EA_{192} 10 8.4 174°.76 0°.9/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.13	+11 2.8	2.156	3.024	11.5	20.7
9 18	1 12.27	+10 34.9	2.088	3.025	8.2	20.5
9 28	1 4.89	+ 9 55.4	2.045	3.027	4.6	20.3
10 8	0 56.69	+ 9 7.7	2.030	3.028	1.1	20.0
10 18	0 48.49	+ 8 16.4	2.044	3.028	3.5	20.2
10 28	0 41.14	+ 7 27.3	2.087	3.029	7.2	20.4
11 7	0 35.34	+ 6 45.4	2.156	3.029	10.6	20.6
11 17	0 31.54	+ 6 14.3	2.249	3.028	13.4	20.8

429821 2012 KO_{48} 10 8.4 139°.68 3°.8/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.93	− 1 40.9	1.628	2.527	12.9	21.6
9 18	1 15.13	− 2 35.2	1.580	2.535	9.0	21.4
9 28	1 6.41	− 3 31.2	1.557	2.542	5.2	21.2
10 8	0 56.75	− 4 21.8	1.560	2.550	4.0	21.2
10 18	0 47.23	− 5 0.2	1.592	2.557	7.0	21.4
10 28	0 38.96	− 5 21.5	1.649	2.563	10.9	21.6
11 7	0 32.77	− 5 23.4	1.730	2.569	14.4	21.9
11 17	0 29.10	− 5 6.2	1.831	2.574	17.3	22.1

520715 2014 QO_{468} 10 8.4 89°.17 0°.3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.19	+ 6 30.7	2.347	3.228	10.2	21.4
9 18	1 10.78	+ 6 4.2	2.286	3.233	7.1	21.2
9 28	1 4.06	+ 5 30.6	2.251	3.238	3.7	21.0
10 8	0 56.66	+ 4 53.6	2.244	3.243	0.3	20.7
10 18	0 49.30	+ 4 17.2	2.267	3.248	3.6	21.0
10 28	0 42.70	+ 3 45.7	2.318	3.254	7.0	21.2
11 7	0 37.48	+ 3 22.8	2.396	3.259	10.0	21.4
11 17	0 34.02	+ 3 10.7	2.496	3.264	12.5	21.6

291130 2005 YO_{207} 10 8.4 283°.05 2°.6/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.85	+ 0 9.9	2.158	3.055	10.3	20.6
9 18	1 10.71	− 0 38.7	2.089	3.044	7.1	20.3
9 28	1 4.10	− 1 31.0	2.046	3.033	3.9	20.1
10 8	0 56.67	− 2 21.7	2.030	3.022	2.7	20.0
10 18	0 49.19	− 3 5.6	2.043	3.011	5.4	20.2
10 28	0 42.47	− 3 37.8	2.083	3.000	8.8	20.4
11 7	0 37.20	− 3 55.2	2.148	2.990	11.9	20.6
11 17	0 33.83	− 3 56.5	2.235	2.979	14.5	20.7

355791 2008 SW_{85} 10 8.4 93°.78 2°.3/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 11.32	+19 40.6	4.390	5.204	7.1	21.4
9 18	1 7.03	+19 40.7	4.311	5.206	5.5	21.3
9 28	1 2.01	+19 32.3	4.257	5.207	3.9	21.2
10 8	0 56.59	+19 16.1	4.232	5.209	2.6	21.1
10 18	0 51.16	+18 53.8	4.236	5.210	2.6	21.1
10 28	0 46.09	+18 27.4	4.271	5.212	3.9	21.2
11 7	0 41.75	+17 59.4	4.334	5.213	5.5	21.3
11 17	0 38.39	+17 32.5	4.424	5.214	7.1	21.4

165012 2000 CJ_{84} 10 8.4 281°.58 5°.9/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.16	+22 24.7	1.868	2.692	14.9	19.7
9 18	1 14.91	+22 57.7	1.784	2.680	11.9	19.5
9 28	1 6.52	+23 10.6	1.722	2.668	8.8	19.3
10 8	0 56.79	+23 2.4	1.686	2.657	6.4	19.1
10 18	0 46.78	+22 34.6	1.676	2.645	6.3	19.1
10 28	0 37.70	+21 52.3	1.693	2.633	8.7	19.2
11 7	0 30.55	+21 3.2	1.735	2.621	11.9	19.4
11 17	0 26.00	+20 14.9	1.800	2.610	15.0	19.6

515338 2013 AP_{136} 10 8.4 90°.72 3°.3/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 17.08	− 0 57.0	1.868	2.769	11.4	21.2
9 18	1 11.63	− 1 58.0	1.816	2.772	7.9	21.0
9 28	1 4.58	− 3 1.7	1.789	2.775	4.5	20.8
10 8	0 56.70	− 4 1.5	1.789	2.779	3.5	20.7
10 18	0 48.90	− 4 50.9	1.818	2.782	6.3	20.9
10 28	0 42.07	− 5 24.8	1.873	2.786	9.8	21.1
11 7	0 36.93	− 5 40.6	1.951	2.789	13.0	21.3
11 17	0 33.91	− 5 37.7	2.050	2.792	15.7	21.5

243384 2008 YA_{40} 10 8.4 286°.61 0°.2/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.33	+ 7 38.5	1.714	2.601	13.0	21.0
9 18	1 12.78	+ 7 8.2	1.643	2.593	9.2	20.8
9 28	1 5.31	+ 6 26.5	1.597	2.584	4.8	20.5
10 8	0 56.74	+ 5 38.2	1.576	2.576	0.2	20.1
10 18	0 48.08	+ 4 49.1	1.584	2.567	4.6	20.4
10 28	0 40.41	+ 4 6.0	1.618	2.559	9.0	20.7
11 7	0 34.61	+ 3 34.5	1.677	2.550	13.0	20.9
11 17	0 31.23	+ 3 18.0	1.757	2.542	16.3	21.1

254592 2005 GQ_{70} 10 8.4 272°.50 1°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.71	+11 20.3	1.410	2.295	15.4	21.0
9 18	1 14.08	+10 49.2	1.342	2.288	11.1	20.7
9 28	1 6.11	+10 0.2	1.296	2.281	6.2	20.4
10 8	0 56.78	+ 8 58.0	1.275	2.273	1.4	20.1
10 18	0 47.32	+ 7 50.1	1.280	2.266	4.9	20.3
10 28	0 39.10	+ 6 45.9	1.311	2.259	10.0	20.6
11 7	0 33.17	+ 5 53.5	1.366	2.251	14.6	20.9
11 17	0 30.12	+ 5 18.5	1.440	2.244	18.4	21.1

294846 2008 CK_{167} 10 8.4 160°.32 0°.4/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.68	+ 6 42.2	1.803	2.683	12.8	21.5
9 18	1 15.61	+ 6 12.8	1.743	2.690	8.9	21.3
9 28	1 6.69	+ 5 33.9	1.709	2.696	4.6	21.0
10 8	0 56.80	+ 4 50.2	1.702	2.701	0.4	20.7
10 18	0 46.97	+ 4 7.3	1.724	2.706	4.5	21.0
10 28	0 38.27	+ 3 31.1	1.774	2.709	8.8	21.3
11 7	0 31.51	+ 3 6.1	1.850	2.712	12.5	21.5
11 17	0 27.17	+ 2 55.2	1.946	2.715	15.6	21.8

461269 2015 XU_{60} 10 8.4 271°.94 2°.9/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.43	+19 33.1	2.443	3.276	11.5	21.5
9 18	1 9.72	+18 51.3	2.350	3.260	8.8	21.3
9 28	1 3.60	+17 51.7	2.281	3.244	5.9	21.1
10 8	0 56.68	+16 36.8	2.240	3.227	3.3	20.9
10 18	0 49.66	+15 10.8	2.228	3.210	3.6	20.9
10 28	0 43.31	+13 40.3	2.246	3.193	6.4	21.1
11 7	0 38.28	+12 12.1	2.292	3.176	9.5	21.2
11 17	0 35.04	+10 52.3	2.362	3.159	12.3	21.4

91605 1999 TC_{20} 10 8.4 39°.64 2°.1/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.80	+ 2 6.3	1.958	2.855	11.1	18.3
9 18	1 10.70	+ 1 14.8	1.904	2.859	7.6	18.1
9 28	1 4.09	+ 0 18.4	1.875	2.864	4.0	17.9
10 8	0 56.71	− 0 37.4	1.874	2.869	2.3	17.8
10 18	0 49.39	− 1 26.6	1.902	2.875	5.2	18.0
10 28	0 42.99	− 2 4.1	1.956	2.880	8.8	18.3
11 7	0 38.17	− 2 26.5	2.035	2.886	12.0	18.5
11 17	0 35.36	− 2 32.5	2.135	2.892	14.7	18.7

17762 1998 DY_{34} 10 8.4 274°.75 0°.1/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.32	+ 7 34.1	2.018	2.900	11.5	18.2
9 18	1 11.84	+ 7 6.3	1.947	2.894	8.1	18.0
9 28	1 4.74	+ 6 29.0	1.901	2.888	4.3	17.8
10 8	0 56.74	+ 5 46.1	1.883	2.882	0.2	17.4
10 18	0 48.69	+ 5 2.7	1.893	2.876	4.0	17.7
10 28	0 41.49	+ 4 24.2	1.932	2.870	7.9	18.0
11 7	0 35.89	+ 3 55.2	1.995	2.864	11.4	18.2
11 17	0 32.35	+ 3 38.8	2.081	2.858	14.4	18.4

435151 2007 JM_{29} 10 8.4 88°.21 3°.1/ 5.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.28	− 0 12.2	1.677	2.574	12.7	21.3
9 18	1 14.52	− 1 2.2	1.641	2.596	8.7	21.1
9 28	1 6.04	− 1 54.4	1.630	2.617	4.8	21.0
10 8	0 56.80	− 2 42.4	1.646	2.638	3.2	20.9
10 18	0 47.83	− 3 20.0	1.690	2.659	6.3	21.1
10 28	0 40.13	− 3 42.6	1.760	2.679	10.0	21.4
11 7	0 34.43	− 3 48.0	1.855	2.699	13.3	21.7
11 17	0 31.09	− 3 36.2	1.970	2.719	16.0	21.9

405245 2003 SP_{179} 10 8.4 350°.24 1°.5/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.35	+ 1 35.3	1.885	2.777	11.8	19.9
9 18	1 14.00	+ 1 37.6	1.820	2.773	8.2	19.7
9 28	1 5.88	+ 1 36.8	1.781	2.769	4.3	19.4
10 8	0 56.80	+ 1 36.2	1.769	2.766	1.5	19.2
10 18	0 47.69	+ 1 39.5	1.785	2.763	4.8	19.5
10 28	0 39.56	+ 1 50.0	1.829	2.761	8.8	19.7
11 7	0 33.20	+ 2 10.0	1.898	2.760	12.3	19.9
11 17	0 29.12	+ 2 40.6	1.989	2.759	15.2	20.1

48269 2002 AX_{166} 10 8.4 166°.29 1°.8/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 8.87	− 2 11.7	4.492	5.383	5.5	19.4
9 18	1 5.30	− 2 56.7	4.432	5.384	3.8	19.2
9 28	1 1.11	− 3 42.2	4.401	5.385	2.2	19.1
10 8	0 56.60	− 4 25.7	4.400	5.386	1.9	19.1
10 18	0 52.10	− 5 4.8	4.429	5.387	3.2	19.2
10 28	0 47.94	− 5 37.2	4.487	5.387	4.9	19.3
11 7	0 44.41	− 6 1.6	4.573	5.388	6.5	19.5
11 17	0 41.75	− 6 16.9	4.682	5.388	7.9	19.6

312462 2008 RG_{17} 10 8.4 290°.46 1°.1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 10.43	+13 9.9	4.224	5.074	6.7	21.2
9 18	1 6.44	+12 56.4	4.144	5.069	4.9	21.0
9 28	1 1.73	+12 36.4	4.090	5.065	2.9	20.9
10 8	0 56.63	+12 11.2	4.066	5.060	1.2	20.7
10 18	0 51.51	+11 42.9	4.072	5.056	2.0	20.8
10 28	0 46.75	+11 13.6	4.108	5.051	3.9	20.9
11 7	0 42.70	+10 46.0	4.173	5.047	5.8	21.1
11 17	0 39.62	+10 22.1	4.263	5.042	7.5	21.2

99770 2002 JU_{106} 10 8.4 42°.91 4°.9/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.15	+23 20.6	2.052	2.872	13.8	18.9
9 18	1 11.05	+23 12.2	1.984	2.879	11.0	18.8
9 28	1 4.33	+22 42.7	1.939	2.885	8.0	18.6
10 8	0 56.74	+21 53.7	1.919	2.892	5.5	18.5
10 18	0 49.16	+20 49.0	1.926	2.899	5.2	18.5
10 28	0 42.50	+19 35.2	1.961	2.906	7.3	18.6
11 7	0 37.51	+18 19.9	2.022	2.914	10.2	18.8
11 17	0 34.63	+17 10.0	2.107	2.921	13.0	19.0

399589 2003 TR_{44} 10 8.4 26°.61 3°.6/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.23	+17 54.8	1.818	2.672	14.0	20.2
9 18	1 11.19	+17 50.7	1.760	2.681	10.6	20.0
9 28	1 4.42	+17 28.1	1.724	2.691	7.0	19.9
10 8	0 56.75	+16 49.5	1.714	2.701	4.0	19.7
10 18	0 49.12	+15 59.4	1.731	2.713	4.5	19.7
10 28	0 42.52	+15 4.2	1.774	2.724	7.6	20.0
11 7	0 37.70	+14 11.1	1.844	2.736	11.0	20.2
11 17	0 35.11	+13 25.9	1.935	2.749	14.0	20.4

147686 2004 PJ_{66} 10 8.4 34°.68 4°.7/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.61	+21 3.7	1.937	2.771	14.0	19.6
9 18	1 12.15	+21 7.6	1.870	2.775	11.0	19.5
9 28	1 4.95	+20 51.7	1.826	2.780	7.8	19.3
10 8	0 56.78	+20 17.2	1.806	2.785	5.1	19.1
10 18	0 48.59	+19 27.7	1.814	2.790	5.1	19.1
10 28	0 41.37	+18 29.4	1.849	2.796	7.6	19.3
11 7	0 35.91	+17 29.7	1.910	2.801	10.8	19.5
11 17	0 32.71	+16 35.1	1.994	2.807	13.7	19.7

390654 2002 QW_{87} 10 8.4 82°.94 0°.4/ 8.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.66	+ 7 49.1	1.412	2.301	15.1	21.8
9 18	1 15.71	+ 7 4.1	1.375	2.326	10.5	21.6
9 28	1 6.73	+ 6 7.0	1.362	2.350	5.4	21.4
10 8	0 56.85	+ 5 4.7	1.375	2.374	0.4	21.1
10 18	0 47.32	+ 4 5.1	1.415	2.398	5.1	21.5
10 28	0 39.32	+ 3 15.7	1.482	2.422	9.8	21.8
11 7	0 33.65	+ 2 41.7	1.572	2.445	13.8	22.1
11 17	0 30.70	+ 2 25.5	1.683	2.467	17.0	22.4

376554 2013 OE_{9} 10 8.4 83°.92 4°.2/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.98	− 0 45.8	1.320	2.227	14.7	20.8
9 18	1 15.31	− 2 0.4	1.288	2.247	10.1	20.6
9 28	1 6.55	− 3 17.1	1.279	2.267	5.8	20.4
10 8	0 56.84	− 4 26.5	1.296	2.286	4.5	20.4
10 18	0 47.50	− 5 20.0	1.340	2.306	7.9	20.6
10 28	0 39.73	− 5 51.6	1.408	2.325	12.1	20.9
11 7	0 34.36	− 5 59.6	1.497	2.344	15.8	21.2
11 17	0 31.76	− 5 45.0	1.606	2.363	18.8	21.5

182239 2001 DS_{78} 10 8.4 127°.91 0°.5/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.74	+ 5 11.6	3.543	4.420	7.2	21.6
9 18	1 8.07	+ 4 41.7	3.484	4.430	4.9	21.5
9 28	1 2.59	+ 4 7.8	3.453	4.440	2.5	21.3
10 8	0 56.69	+ 3 32.4	3.451	4.449	0.5	21.1
10 18	0 50.83	+ 2 58.2	3.480	4.459	2.7	21.3
10 28	0 45.46	+ 2 28.2	3.538	4.468	5.1	21.5
11 7	0 40.96	+ 2 4.5	3.625	4.476	7.2	21.7
11 17	0 37.63	+ 1 48.9	3.736	4.485	9.0	21.8

439731 2015 FN_{39} 10 8.4 172°.82 0°.4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 9.07	+ 9 44.5	4.675	5.537	5.9	21.5
9 18	1 5.43	+ 9 17.8	4.601	5.538	4.1	21.4
9 28	1 1.19	+ 8 46.1	4.556	5.538	2.3	21.3
10 8	0 56.63	+ 8 11.3	4.540	5.539	0.4	21.1
10 18	0 52.07	+ 7 35.5	4.555	5.539	1.8	21.2
10 28	0 47.84	+ 7 0.7	4.601	5.540	3.7	21.4
11 7	0 44.23	+ 6 29.2	4.675	5.540	5.5	21.5
11 17	0 41.47	+ 6 2.8	4.775	5.540	7.0	21.6

408014 2012 ER_4 10 8.4 192°.65 2°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 14.23	− 0 4.5	2.803	3.694	8.4	21.9
9 18	1 9.31	− 1 15.0	2.739	3.692	5.8	21.7
9 28	1 3.30	− 2 28.4	2.704	3.690	3.3	21.5
10 8	0 56.72	− 3 39.9	2.698	3.687	2.6	21.5
10 18	0 50.15	− 4 44.8	2.722	3.684	4.7	21.6
10 28	0 44.18	− 5 38.7	2.776	3.681	7.4	21.8
11 7	0 39.31	− 6 18.8	2.856	3.677	9.8	21.9
11 17	0 35.91	− 6 43.7	2.958	3.673	11.9	22.1

224041 2005 MP_9 10 8.4 62°.38 4°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.57	+18 4.4	1.376	2.237	17.2	19.8
9 18	1 15.32	+18 9.6	1.323	2.248	13.1	19.6
9 28	1 6.72	+17 51.4	1.291	2.260	8.6	19.4
10 8	0 56.87	+17 12.0	1.284	2.272	5.0	19.2
10 18	0 47.12	+16 17.0	1.302	2.284	5.5	19.3
10 28	0 38.84	+15 15.3	1.345	2.296	9.4	19.6
11 7	0 33.02	+14 16.7	1.413	2.309	13.5	19.8
11 17	0 30.17	+13 28.4	1.501	2.321	17.0	20.1

306318 2011 SL_{90} 10 8.4 52°.60 1°.4/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.94	+11 24.9	1.711	2.587	13.6	20.6
9 18	1 13.11	+11 10.7	1.654	2.595	9.8	20.4
9 28	1 5.45	+10 42.7	1.620	2.602	5.5	20.2
10 8	0 56.82	+10 4.6	1.613	2.611	1.6	19.9
10 18	0 48.25	+ 9 21.7	1.633	2.619	4.1	20.1
10 28	0 40.79	+ 8 40.2	1.681	2.627	8.3	20.4
11 7	0 35.24	+ 8 6.1	1.753	2.636	12.0	20.6
11 17	0 32.08	+ 7 43.5	1.847	2.645	15.2	20.9

220960 2005 MC_{15} 10 8.4 81°.77 8°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.35	+27 17.8	1.511	2.322	18.3	20.0
9 18	1 15.90	+27 41.5	1.454	2.335	15.1	19.8
9 28	1 7.05	+27 35.3	1.416	2.348	11.6	19.6
10 8	0 56.89	+26 58.4	1.401	2.360	8.8	19.5
10 18	0 46.78	+25 54.7	1.410	2.373	8.1	19.5
10 28	0 38.13	+24 32.7	1.446	2.386	9.9	19.6
11 7	0 31.94	+23 4.2	1.505	2.398	13.0	19.8
11 17	0 28.76	+21 39.7	1.586	2.410	16.1	20.1

393149 2013 BR_{75} 10 8.4 100°.91 0°.2/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 10.21	+ 5 58.3	4.324	5.198	6.1	21.2
9 18	1 6.25	+ 5 37.5	4.256	5.201	4.2	21.1
9 28	1 1.63	+ 5 13.0	4.216	5.203	2.1	21.0
10 8	0 56.66	+ 4 46.9	4.206	5.205	0.2	20.8
10 18	0 51.70	+ 4 21.1	4.226	5.207	2.1	21.0
10 28	0 47.10	+ 3 57.9	4.277	5.209	4.2	21.1
11 7	0 43.18	+ 3 39.0	4.355	5.211	6.0	21.3
11 17	0 40.18	+ 3 26.2	4.459	5.213	7.6	21.4

26191 1997 CZ_2 10 8.4 176°.86 1°.8/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.95	+ 3 29.6	1.834	2.723	12.2	19.7
9 18	1 14.42	+ 2 38.8	1.773	2.725	8.4	19.5
9 28	1 6.11	+ 1 41.0	1.738	2.727	4.3	19.3
10 8	0 56.85	+ 0 42.0	1.731	2.728	1.9	19.1
10 18	0 47.64	− 0 11.7	1.753	2.728	5.3	19.3
10 28	0 39.47	− 0 54.1	1.802	2.728	9.3	19.6
11 7	0 33.14	− 1 21.0	1.876	2.727	12.9	19.8
11 17	0 29.14	− 1 30.7	1.971	2.726	15.9	20.0

377026 2002 RU_{204} 10 8.4 358°.22 1°.0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.73	+ 7 5.9	1.030	1.946	17.0	20.3
9 18	1 10.99	+ 6 16.8	0.979	1.942	11.9	20.0
9 28	1 4.63	+ 5 10.8	0.948	1.939	6.1	19.7
10 8	0 56.80	+ 3 56.9	0.939	1.938	1.0	19.4
10 18	0 48.97	+ 2 46.1	0.953	1.937	6.5	19.7
10 28	0 42.66	+ 1 49.5	0.990	1.939	12.2	20.0
11 7	0 38.98	+ 1 14.8	1.046	1.941	17.2	20.3
11 17	0 38.46	+ 1 5.0	1.121	1.945	21.3	20.6

101407 1998 VQ_3 10 8.4 23°.50 1°.2/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.38	+ 4 37.6	1.557	2.455	13.4	19.7
9 18	1 12.83	+ 4 6.5	1.504	2.459	9.3	19.5
9 28	1 5.34	+ 3 27.1	1.474	2.463	4.8	19.2
10 8	0 56.84	+ 2 45.1	1.470	2.468	1.3	19.0
10 18	0 48.40	+ 2 6.7	1.493	2.473	5.3	19.3
10 28	0 41.13	+ 1 38.1	1.542	2.479	9.7	19.5
11 7	0 35.88	+ 1 23.7	1.614	2.485	13.6	19.8
11 17	0 33.12	+ 1 25.2	1.707	2.491	16.8	20.0

262013 2006 QN_{82} 10 8.4 61°.57 1°.9/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.85	+ 4 56.7	1.198	2.103	16.0	20.2
9 18	1 14.73	+ 3 59.7	1.163	2.121	11.0	19.9
9 28	1 6.33	+ 2 52.4	1.150	2.140	5.6	19.7
10 8	0 56.87	+ 1 43.8	1.161	2.159	1.9	19.5
10 18	0 47.75	+ 0 43.2	1.198	2.178	6.4	19.9
10 28	0 40.27	− 0 1.3	1.260	2.197	11.3	20.2
11 7	0 35.33	− 0 25.2	1.343	2.216	15.6	20.5
11 17	0 33.31	− 0 27.5	1.445	2.236	19.0	20.8

44087 1998 FG_{99} 10 8.4 129°.91 3°.3/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.08	+17 27.3	1.588	2.443	15.5	18.9
9 18	1 14.77	+17 1.9	1.528	2.452	11.7	18.7
9 28	1 6.37	+16 14.9	1.490	2.461	7.4	18.5
10 8	0 56.88	+15 9.7	1.479	2.470	3.8	18.3
10 18	0 47.47	+13 52.9	1.494	2.478	4.7	18.3
10 28	0 39.33	+12 33.4	1.537	2.486	8.6	18.6
11 7	0 33.35	+11 20.3	1.604	2.493	12.6	18.9
11 17	0 30.04	+10 20.5	1.694	2.500	16.0	19.1

38090 1999 JN_2 10 8.4 33°.39 5°.6/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.40	− 1 55.9	0.942	1.869	17.1	17.3
9 18	1 13.36	− 3 12.9	0.916	1.883	11.9	17.1
9 28	1 5.70	− 4 30.6	0.910	1.899	7.1	16.9
10 8	0 56.85	− 5 36.6	0.926	1.915	6.0	16.9
10 18	0 48.40	− 6 20.5	0.964	1.933	9.8	17.2
10 28	0 41.84	− 6 36.3	1.024	1.952	14.5	17.5
11 7	0 38.09	− 6 23.2	1.103	1.971	18.7	17.8
11 17	0 37.49	− 5 44.5	1.198	1.991	22.0	18.2

106164 2000 TA_{65} 10 8.4 282°.65 0°.4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.90	+ 9 1.8	2.043	2.921	11.6	20.2
9 18	1 11.57	+ 8 34.4	1.971	2.915	8.2	20.0
9 28	1 4.64	+ 7 56.3	1.923	2.909	4.4	19.7
10 8	0 56.82	+ 7 11.3	1.903	2.902	0.5	19.4
10 18	0 48.93	+ 6 24.3	1.912	2.896	3.8	19.7
10 28	0 41.88	+ 5 40.9	1.948	2.889	7.7	19.9
11 7	0 36.39	+ 5 6.1	2.011	2.883	11.2	20.1
11 17	0 32.95	+ 4 43.3	2.095	2.877	14.2	20.3

448786 2011 SG_{162} 10 8.4 320°.07 1°.8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.99	+13 51.4	1.595	2.472	14.3	20.2
9 18	1 10.66	+13 10.6	1.517	2.458	10.5	19.9
9 28	1 4.33	+12 10.1	1.462	2.444	6.2	19.6
10 8	0 56.81	+10 54.2	1.433	2.430	2.1	19.4
10 18	0 49.13	+ 9 29.9	1.430	2.417	4.3	19.5
10 28	0 42.44	+ 8 6.6	1.454	2.404	8.9	19.7
11 7	0 37.67	+ 6 53.2	1.502	2.392	13.2	19.9
11 17	0 35.39	+ 5 56.2	1.571	2.380	16.9	20.2

450735 2007 GW_{47} 10 8.4 302°.41 6°.8/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.42	−15 37.4	2.218	3.103	10.5	20.5
9 18	1 13.81	−16 14.6	2.168	3.099	8.4	20.3
9 28	1 5.71	−16 42.0	2.144	3.096	7.0	20.2
10 8	0 56.87	−16 53.9	2.147	3.093	7.2	20.2
10 18	0 48.11	−16 46.9	2.177	3.089	8.9	20.3
10 28	0 40.30	−16 19.4	2.233	3.086	11.1	20.5
11 7	0 34.10	−15 32.5	2.311	3.083	13.4	20.6
11 17	0 29.92	−14 28.6	2.410	3.080	15.3	20.8

79329 1996 RC_{23} 10 8.4 124°.32 0°.7/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.92	+ 6 24.2	2.047	2.932	11.3	20.5
9 18	1 11.47	+ 5 36.6	1.988	2.938	7.8	20.3
9 28	1 4.52	+ 4 40.5	1.955	2.943	4.0	20.1
10 8	0 56.81	+ 3 40.8	1.950	2.949	0.8	19.8
10 18	0 49.16	+ 2 43.2	1.974	2.954	4.2	20.1
10 28	0 42.39	+ 1 53.5	2.026	2.959	8.0	20.4
11 7	0 37.19	+ 1 16.1	2.103	2.964	11.3	20.6
11 17	0 33.97	+ 0 53.4	2.203	2.969	14.0	20.8

449732 2014 NC_{30} 10 8.4 347°.92 4°.5/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.99	− 3 19.0	1.800	2.709	11.3	20.5
9 18	1 9.62	− 4 41.6	1.746	2.704	8.0	20.3
9 28	1 3.63	− 6 5.6	1.717	2.700	5.1	20.2
10 8	0 56.78	− 7 23.0	1.715	2.697	4.9	20.1
10 18	0 49.94	− 8 26.4	1.739	2.694	7.6	20.3
10 28	0 44.02	− 9 10.0	1.790	2.692	10.9	20.5
11 7	0 39.74	− 9 31.2	1.863	2.689	14.0	20.7
11 17	0 37.55	− 9 29.9	1.955	2.688	16.6	20.9

24587 Kapaneus 10 8.5 213°.43 1°.9/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 8.91	− 2 7.7	4.333	5.225	5.6	18.6
9 18	1 5.37	− 3 8.9	4.273	5.225	3.9	18.5
9 28	1 1.19	− 4 10.9	4.241	5.224	2.3	18.4
10 8	0 56.68	− 5 10.8	4.240	5.224	2.1	18.4
10 18	0 52.17	− 6 5.7	4.269	5.224	3.5	18.5
10 28	0 48.01	− 6 53.0	4.328	5.223	5.2	18.6
11 7	0 44.50	− 7 30.8	4.415	5.223	6.8	18.7
11 17	0 41.90	− 7 58.3	4.524	5.222	8.3	18.8

177547 2004 FJ_{67} 10 8.5 278°.71 2°.9/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.20	+ 0 12.9	1.890	2.789	11.4	19.9
9 18	1 11.82	− 0 40.2	1.827	2.783	7.9	19.7
9 28	1 4.79	− 1 37.4	1.789	2.777	4.3	19.5
10 8	0 56.84	− 2 32.5	1.779	2.771	3.0	19.4
10 18	0 48.87	− 3 19.5	1.796	2.765	6.0	19.6
10 28	0 41.81	− 3 52.8	1.841	2.759	9.6	19.8
11 7	0 36.43	− 4 9.2	1.909	2.754	13.0	20.0
11 17	0 33.18	− 4 7.7	1.998	2.748	15.8	20.2

103961 2000 DM_{77} 10 8.5 47°.34 0°.7/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.59	+ 9 6.5	1.704	2.586	13.3	18.8
9 18	1 13.59	+ 8 54.4	1.647	2.592	9.5	18.6
9 28	1 5.73	+ 8 30.8	1.613	2.598	5.1	18.3
10 8	0 56.88	+ 7 59.4	1.605	2.604	0.8	18.0
10 18	0 48.08	+ 7 25.4	1.626	2.611	4.2	18.3
10 28	0 40.39	+ 6 54.5	1.673	2.617	8.5	18.6
11 7	0 34.63	+ 6 31.9	1.745	2.624	12.3	18.8
11 17	0 31.27	+ 6 21.1	1.839	2.631	15.5	19.1

167070 2003 RQ_{2} 10 8.5 324°.82 1°.7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.27	+ 5 3.3	1.532	2.433	13.4	19.6
9 18	1 11.49	+ 4 1.6	1.469	2.426	9.3	19.4
9 28	1 4.72	+ 2 49.0	1.429	2.419	4.8	19.1
10 8	0 56.84	+ 1 32.6	1.415	2.412	1.8	18.9
10 18	0 48.91	+ 0 21.0	1.428	2.406	5.8	19.1
10 28	0 42.07	− 0 37.7	1.466	2.400	10.4	19.4
11 7	0 37.19	− 1 17.8	1.528	2.395	14.4	19.6
11 17	0 34.81	− 1 36.5	1.609	2.390	17.8	19.9

191564 2003 WZ_{112} 10 8.5 340°.81 1°.7/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.99	+12 33.7	2.034	2.903	12.0	19.7
9 18	1 10.97	+12 21.6	1.962	2.898	8.8	19.5
9 28	1 4.35	+11 56.7	1.914	2.893	5.2	19.2
10 8	0 56.83	+11 21.6	1.892	2.888	1.9	19.0
10 18	0 49.25	+10 40.5	1.899	2.884	3.6	19.1
10 28	0 42.49	+ 9 58.9	1.933	2.880	7.3	19.4
11 7	0 37.29	+ 9 22.3	1.993	2.877	10.8	19.6
11 17	0 34.14	+ 8 54.8	2.076	2.873	13.7	19.8

223827 2004 TC_{122} 10 8.5 32°.38 4°.2/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.87	− 5 54.8	1.874	2.770	11.6	19.4
9 18	1 14.95	− 6 7.2	1.825	2.776	8.3	19.2
9 28	1 6.35	− 6 16.1	1.802	2.783	5.2	19.0
10 8	0 56.92	− 6 16.9	1.806	2.790	4.3	19.0
10 18	0 47.63	− 6 6.1	1.838	2.798	6.7	19.2
10 28	0 39.46	− 5 41.4	1.897	2.806	10.0	19.4
11 7	0 33.14	− 5 2.5	1.980	2.814	13.0	19.6
11 17	0 29.09	− 4 10.5	2.084	2.822	15.6	19.8

285863 2001 HD_{58} 10 8.5 139°.33 5°.5/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.44	− 6 41.6	1.688	2.587	12.5	20.7
9 18	1 15.47	− 7 45.6	1.646	2.597	9.0	20.6
9 28	1 6.65	− 8 46.0	1.628	2.606	6.1	20.4
10 8	0 56.94	− 9 35.2	1.638	2.615	5.8	20.4
10 18	0 47.41	−10 6.8	1.675	2.623	8.4	20.6
10 28	0 39.14	−10 17.1	1.738	2.630	11.7	20.8
11 7	0 32.90	−10 5.5	1.823	2.638	14.8	21.0
11 17	0 29.12	− 9 33.7	1.927	2.644	17.3	21.2

344988 2005 AQ_{2} 10 8.5 327°.55 3°.6/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.25	− 0 4.3	1.373	2.284	13.9	19.9
9 18	1 12.41	− 0 53.7	1.308	2.270	9.7	19.6
9 28	1 5.32	− 1 48.5	1.266	2.256	5.4	19.3
10 8	0 56.89	− 2 40.8	1.249	2.242	3.8	19.2
10 18	0 48.33	− 3 22.5	1.257	2.229	7.5	19.4
10 28	0 40.94	− 3 46.4	1.290	2.217	12.1	19.6
11 7	0 35.74	− 3 48.7	1.343	2.206	16.3	19.8
11 17	0 33.33	− 3 28.7	1.415	2.196	19.8	20.1

408086 2012 HO_{56} 10 8.5 261°.84 2°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.98	+16 25.7	2.378	3.225	11.3	20.9
9 18	1 10.84	+16 6.2	2.294	3.214	8.5	20.7
9 28	1 4.26	+15 32.1	2.233	3.203	5.4	20.5
10 8	0 56.84	+14 45.6	2.200	3.191	2.8	20.3
10 18	0 49.33	+13 50.4	2.196	3.180	3.5	20.4
10 28	0 42.50	+12 51.9	2.221	3.168	6.5	20.5
11 7	0 37.04	+11 55.7	2.273	3.156	9.7	20.7
11 17	0 33.42	+11 6.8	2.349	3.144	12.4	20.9

451621 2012 FA_{33} 10 8.5 162°.02 3°.0/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.79	− 5 2.0	2.932	3.819	8.2	21.9
9 18	1 11.71	− 5 33.8	2.877	3.825	5.8	21.8
9 28	1 4.55	− 6 4.2	2.850	3.830	3.6	21.6
10 8	0 56.86	− 6 29.6	2.852	3.834	3.2	21.6
10 18	0 49.22	− 6 47.0	2.885	3.839	5.0	21.7
10 28	0 42.25	− 6 53.8	2.947	3.842	7.3	21.9
11 7	0 36.43	− 6 48.8	3.035	3.846	9.6	22.1
11 17	0 32.12	− 6 32.0	3.145	3.849	11.5	22.2

34619 2000 UX_{53} 10 8.5 230°.56 4°.5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.65	− 6 32.7	2.171	3.069	10.2	18.4
9 18	1 11.94	− 7 23.2	2.115	3.066	7.3	18.2
9 28	1 4.79	− 8 11.4	2.085	3.063	5.0	18.0
10 8	0 56.87	− 8 51.7	2.082	3.059	4.8	18.0
10 18	0 48.98	− 9 19.1	2.108	3.056	6.9	18.2
10 28	0 41.93	− 9 30.2	2.161	3.053	9.8	18.3
11 7	0 36.38	− 9 23.7	2.237	3.049	12.5	18.5
11 17	0 32.76	− 9 0.2	2.334	3.046	14.8	18.7

520768 2014 SM_{79} 10 8.5 125°.98 2°.1/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.76	− 0 1.0	2.530	3.417	9.3	21.7
9 18	1 11.79	− 0 33.4	2.478	3.429	6.4	21.5
9 28	1 4.62	− 1 7.8	2.453	3.439	3.5	21.4
10 8	0 56.86	− 1 40.2	2.457	3.450	2.2	21.3
10 18	0 49.19	− 2 6.8	2.491	3.460	4.5	21.5
10 28	0 42.28	− 2 24.4	2.554	3.470	7.4	21.7
11 7	0 36.69	− 2 30.8	2.643	3.480	10.0	21.9
11 17	0 32.79	− 2 25.1	2.754	3.489	12.2	22.0

439280 2012 UP_{65} 10 8.5 45°.08 0°.6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.77	+10 23.9	1.399	2.289	15.1	20.5
9 18	1 12.50	+ 9 40.2	1.354	2.303	10.7	20.2
9 28	1 5.19	+ 8 40.7	1.331	2.317	5.7	20.0
10 8	0 56.89	+ 7 32.0	1.333	2.332	0.7	19.7
10 18	0 48.76	+ 6 22.2	1.362	2.347	4.7	20.0
10 28	0 41.97	+ 5 19.9	1.416	2.363	9.5	20.3
11 7	0 37.36	+ 4 32.1	1.494	2.379	13.6	20.6
11 17	0 35.35	+ 4 2.4	1.592	2.395	17.0	20.9

488039 2015 UN_{43} 10 8.5 205°.72 5°.4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.93	−10 24.2	2.309	3.204	9.7	21.5
9 18	1 11.37	−11 22.1	2.258	3.203	7.3	21.3
9 28	1 4.46	−12 14.8	2.234	3.201	5.6	21.2
10 8	0 56.86	−12 56.6	2.238	3.200	5.8	21.2
10 18	0 49.30	−13 23.1	2.269	3.198	7.6	21.4
10 28	0 42.56	−13 31.3	2.326	3.196	10.1	21.5
11 7	0 37.23	−13 20.6	2.407	3.195	12.5	21.7
11 17	0 33.72	−12 52.1	2.507	3.193	14.5	21.8

450565 2006 FM_{46} 10 8.5 227°.52 3°.8/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.63	+25 52.0	3.341	4.121	9.9	22.6
9 18	1 10.31	+25 21.0	3.239	4.106	8.0	22.5
9 28	1 3.88	+24 34.0	3.162	4.091	6.0	22.3
10 8	0 56.84	+23 31.9	3.112	4.076	4.3	22.2
10 18	0 49.74	+22 17.4	3.093	4.060	3.9	22.2
10 28	0 43.17	+20 54.6	3.105	4.043	5.3	22.2
11 7	0 37.66	+19 29.0	3.146	4.025	7.4	22.3
11 17	0 33.57	+18 5.6	3.215	4.007	9.4	22.5

118528 2000 EY_{39} 10 8.5 105°.17 0°.7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.52	+ 6 33.7	1.638	2.525	13.5	19.7
9 18	1 14.87	+ 5 55.6	1.591	2.541	9.4	19.5
9 28	1 6.36	+ 5 7.8	1.568	2.556	4.8	19.2
10 8	0 56.95	+ 4 15.8	1.572	2.571	0.7	19.0
10 18	0 47.72	+ 3 26.2	1.604	2.585	4.8	19.3
10 28	0 39.74	+ 2 45.3	1.663	2.599	9.1	19.6
11 7	0 33.81	+ 2 17.8	1.746	2.613	12.9	19.9
11 17	0 30.36	+ 2 6.0	1.851	2.626	16.0	20.1

441663 2008 WL_{134} 10 8.5 296°.12 12°.4/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.17	−27 26.8	1.773	2.639	13.7	20.9
9 18	1 13.35	−29 15.4	1.748	2.636	12.6	20.9
9 28	1 5.61	−30 41.4	1.746	2.633	12.5	20.9
10 8	0 56.92	−31 35.9	1.766	2.630	13.4	20.9
10 18	0 48.36	−31 54.1	1.808	2.627	14.9	21.0
10 28	0 41.03	−31 35.7	1.869	2.625	16.7	21.1
11 7	0 35.74	−30 44.2	1.946	2.622	18.5	21.3
11 17	0 32.93	−29 25.4	2.037	2.619	19.9	21.4

348022 2003 SA_{392} 10 8.5 30°.42 3°.1/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.17	+ 0 31.2	1.607	2.510	12.8	20.6
9 18	1 12.65	− 0 23.1	1.555	2.512	8.8	20.4
9 28	1 5.27	− 1 21.9	1.526	2.515	4.8	20.1
10 8	0 56.90	− 2 18.0	1.525	2.518	3.2	20.0
10 18	0 48.61	− 3 4.5	1.550	2.521	6.5	20.3
10 28	0 41.45	− 3 35.4	1.601	2.524	10.5	20.5
11 7	0 36.23	− 3 47.5	1.675	2.527	14.1	20.7
11 17	0 33.43	− 3 40.3	1.769	2.530	17.1	21.0

391933 2008 UE_{345} 10 8.5 228°.32 1°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.60	+13 1.5	2.185	3.045	11.7	21.6
9 18	1 12.76	+12 28.2	2.102	3.034	8.5	21.4
9 28	1 5.30	+11 41.0	2.043	3.022	5.0	21.2
10 8	0 56.91	+10 42.9	2.012	3.009	1.6	20.9
10 18	0 48.41	+ 9 39.0	2.011	2.996	3.5	21.0
10 28	0 40.68	+ 8 35.3	2.039	2.982	7.3	21.3
11 7	0 34.47	+ 7 37.9	2.094	2.968	10.8	21.4
11 17	0 30.29	+ 6 51.6	2.172	2.953	13.8	21.6

478735 2012 UA_{67} 10 8.5 27°.97 4°.9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.24	− 1 1.0	1.008	1.934	16.3	19.7
9 18	1 11.69	− 2 16.6	0.986	1.953	11.2	19.5
9 28	1 4.80	− 3 33.4	0.985	1.974	6.5	19.3
10 8	0 56.88	− 4 40.0	1.006	1.997	5.3	19.3
10 18	0 49.37	− 5 26.8	1.051	2.021	8.9	19.6
10 28	0 43.59	− 5 47.8	1.118	2.046	13.4	20.0
11 7	0 40.36	− 5 42.0	1.204	2.073	17.4	20.3
11 17	0 39.99	− 5 11.9	1.308	2.100	20.6	20.6

264385 2000 DR_{85} 10 8.5 232°.07 2°.1/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.04	+ 2 34.2	1.898	2.787	11.8	21.4
9 18	1 14.62	+ 1 47.1	1.822	2.774	8.2	21.2
9 28	1 6.33	+ 0 53.2	1.772	2.760	4.3	20.9
10 8	0 56.97	− 0 1.9	1.750	2.746	2.2	20.8
10 18	0 47.47	− 0 51.8	1.757	2.731	5.5	21.0
10 28	0 38.89	− 1 30.6	1.792	2.715	9.5	21.2
11 7	0 32.07	− 1 54.1	1.851	2.699	13.2	21.4
11 17	0 27.57	− 2 0.4	1.932	2.682	16.3	21.5

144139 2004 BC_{91} 10 8.5 229°.07 2°.0/ 6.6 18

9 8	1 20.06	+ 3 34.5	1.753	2.645	12.5	21.0
9 18	1 14.01	+ 2 36.7	1.682	2.635	8.7	20.7
9 28	1 6.03	+ 1 30.2	1.637	2.625	4.5	20.5
10 8	0 56.95	+ 0 21.6	1.618	2.615	2.1	20.3
10 18	0 47.78	− 0 41.8	1.628	2.603	5.7	20.5
10 28	0 39.60	− 1 32.9	1.665	2.592	9.9	20.7
11 7	0 33.29	− 2 6.9	1.727	2.579	13.8	20.9
11 17	0 29.40	− 2 21.6	1.809	2.566	17.0	21.1

38904 2000 SG_{162} 10 8.5 3°.42 12°.1/29.0 18

9 8	1 17.02	−17 55.0	1.146	2.059	15.9	17.6
9 18	1 12.35	−19 32.5	1.116	2.058	13.3	17.5
9 28	1 5.23	−20 50.3	1.108	2.058	12.1	17.4
10 8	0 56.91	−21 36.0	1.120	2.059	12.9	17.5
10 18	0 48.80	−21 42.6	1.153	2.061	15.3	17.6
10 28	0 42.29	−21 8.9	1.206	2.065	18.2	17.8
11 7	0 38.32	−19 59.3	1.275	2.070	21.0	18.0
11 17	0 37.31	−18 21.0	1.359	2.076	23.4	18.3

487497 2014 SR_{288} 10 8.5 16°.50 15°.4/26.6 17

9 8	1 24.90	+46 19.7	1.770	2.431	21.1	20.4
9 18	1 18.46	+48 19.4	1.714	2.440	19.6	20.3
9 28	1 8.83	+49 44.4	1.672	2.450	18.0	20.2
10 8	0 57.08	+50 27.8	1.648	2.461	16.6	20.1
10 18	0 44.86	+50 26.8	1.641	2.473	15.6	20.1
10 28	0 34.07	+49 44.6	1.654	2.486	15.4	20.1
11 7	0 26.26	+48 30.5	1.686	2.501	15.8	20.2
11 17	0 22.26	+46 56.4	1.738	2.516	16.8	20.3

54095 2000 HS_{1} 10 8.5 338°.83 3°.8/ 6.0 18

9 8	1 20.72	− 1 19.4	1.255	2.167	15.0	17.4
9 18	1 14.95	− 1 47.0	1.198	2.159	10.5	17.1
9 28	1 6.68	− 2 17.1	1.163	2.151	5.9	16.9
10 8	0 56.99	− 2 42.3	1.151	2.145	4.0	16.7
10 18	0 47.24	− 2 55.6	1.165	2.139	7.7	16.9
10 28	0 38.90	− 2 51.4	1.203	2.133	12.5	17.2
11 7	0 33.04	− 2 27.6	1.262	2.129	16.8	17.4
11 17	0 30.25	− 1 44.4	1.338	2.125	20.5	17.7

288270 2003 YD_{161} 10 8.5 201°.20 0°.4/ 8.8 18

9 8	1 18.70	+10 53.9	1.493	2.378	14.7	20.8
9 18	1 13.24	+ 9 54.6	1.430	2.377	10.5	20.5
9 28	1 5.67	+ 8 37.6	1.390	2.376	5.6	20.2
10 8	0 56.94	+ 7 9.3	1.375	2.374	0.6	19.9
10 18	0 48.21	+ 5 38.7	1.388	2.373	4.8	20.2
10 28	0 40.67	+ 4 15.8	1.428	2.371	9.7	20.5
11 7	0 35.26	+ 3 8.6	1.491	2.369	14.0	20.7
11 17	0 32.50	+ 2 21.8	1.575	2.368	17.6	21.0

114884 2003 QD_{15} 10 8.5 336°.27 9°.9/16.5 17

9 8	1 18.62	+30 22.5	1.715	2.504	17.4	19.0
9 18	1 13.58	+31 31.5	1.629	2.486	15.0	18.8
9 28	1 6.09	+32 15.2	1.563	2.469	12.5	18.6
10 8	0 56.98	+32 29.5	1.518	2.452	10.5	18.4
10 18	0 47.39	+32 13.4	1.496	2.436	9.9	18.4
10 28	0 38.75	+31 30.7	1.499	2.422	11.1	18.4
11 7	0 32.25	+30 29.9	1.524	2.408	13.4	18.5
11 17	0 28.70	+29 21.2	1.570	2.396	16.1	18.6

488203 2015 XG_{255} 10 8.5 290°.95 7°.1/29.3 18

9 8	1 14.96	−14 11.6	2.199	3.096	10.1	20.9
9 18	1 10.19	−15 44.8	2.141	3.078	8.1	20.8
9 28	1 3.95	−17 11.2	2.109	3.060	7.1	20.7
10 8	0 56.87	−18 23.4	2.103	3.042	7.8	20.7
10 18	0 49.72	−19 15.2	2.124	3.024	9.7	20.8
10 28	0 43.32	−19 42.7	2.169	3.006	12.0	20.9
11 7	0 38.35	−19 45.3	2.235	2.988	14.3	21.0
11 17	0 35.28	−19 24.3	2.319	2.970	16.3	21.2

346497 2008 UO_{76} 10 8.5 21°.25 1°.3/ 7.5 18

9 8	1 20.59	+ 3 57.3	1.475	2.373	14.0	20.4
9 18	1 14.51	+ 3 38.9	1.421	2.376	9.8	20.2
9 28	1 6.31	+ 3 13.0	1.390	2.379	5.0	19.9
10 8	0 56.98	+ 2 44.9	1.384	2.383	1.3	19.7
10 18	0 47.71	+ 2 20.4	1.405	2.386	5.5	20.0
10 28	0 39.71	+ 2 5.1	1.453	2.391	10.1	20.3
11 7	0 33.90	+ 2 3.2	1.523	2.395	14.1	20.5
11 17	0 30.77	+ 2 16.2	1.613	2.400	17.5	20.8

365475 2010 PF_{26} 10 8.5 309°.03 3°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 10.80	− 9 2.3	4.221	5.111	5.8	20.3
9 18	1 6.70	− 9 34.6	4.166	5.110	4.3	20.2
9 28	1 1.92	−10 4.4	4.139	5.109	3.1	20.1
10 8	0 56.79	−10 29.1	4.141	5.107	3.2	20.1
10 18	0 51.67	−10 46.4	4.172	5.106	4.3	20.2
10 28	0 46.94	−10 54.8	4.232	5.105	5.9	20.3
11 7	0 42.92	−10 53.4	4.318	5.104	7.4	20.5
11 17	0 39.86	−10 41.9	4.426	5.102	8.7	20.6

511836 2015 FZ_{304} 10 8.5 100°.67 4°.2/ 4.0 17

9 8	1 17.13	− 1 3.9	1.726	2.630	12.0	20.5
9 18	1 11.75	− 2 49.6	1.685	2.643	8.3	20.3
9 28	1 4.73	− 4 37.9	1.670	2.655	5.0	20.2
10 8	0 56.91	− 6 19.5	1.683	2.668	4.5	20.2
10 18	0 49.24	− 7 45.8	1.723	2.680	7.4	20.4
10 28	0 42.66	− 8 50.5	1.790	2.692	10.9	20.6
11 7	0 37.88	− 9 30.5	1.880	2.703	14.0	20.8
11 17	0 35.29	− 9 46.3	1.989	2.715	16.6	21.1

479250 2013 EJ_{40} 10 8.5 323°.05 6°.3/ 3.7 18

9 8	1 18.68	− 7 3.1	1.423	2.335	13.5	20.5
9 18	1 13.41	− 7 56.4	1.359	2.316	9.9	20.2
9 28	1 5.86	− 8 46.9	1.318	2.298	6.9	20.0
10 8	0 56.97	− 9 25.7	1.301	2.281	6.6	20.0
10 18	0 47.95	− 9 45.3	1.310	2.264	9.6	20.1
10 28	0 40.08	− 9 40.6	1.342	2.248	13.5	20.3
11 7	0 34.40	− 9 10.5	1.395	2.232	17.3	20.5
11 17	0 31.52	− 8 16.8	1.465	2.218	20.5	20.7

24568 6794 P–L 10 8.5 231°.39 2°.1/ 6.7 18

9 8	1 20.14	+ 3 37.3	1.591	2.487	13.3	19.1
9 18	1 14.18	+ 2 41.3	1.526	2.481	9.2	18.8
9 28	1 6.17	+ 1 36.3	1.485	2.474	4.8	18.5
10 8	0 56.99	+ 0 29.2	1.470	2.466	2.2	18.3
10 18	0 47.74	− 0 32.1	1.483	2.459	6.0	18.6
10 28	0 39.61	− 1 20.3	1.522	2.451	10.5	18.8
11 7	0 33.50	− 1 50.2	1.584	2.442	14.5	19.1
11 17	0 29.99	− 1 59.9	1.667	2.434	17.8	19.3

43367 2000 VL_{47} 10 8.5 62°.48 6°.3/ 4.4 18

9 8	1 25.25	− 9 40.7	1.525	2.423	13.6	17.8
9 18	1 17.52	−10 6.2	1.486	2.434	10.0	17.6
9 28	1 7.76	−10 23.6	1.472	2.446	7.0	17.5
10 8	0 57.06	−10 26.3	1.483	2.458	6.6	17.5
10 18	0 46.66	−10 10.3	1.521	2.470	9.0	17.7
10 28	0 37.75	− 9 34.0	1.584	2.482	12.3	17.9
11 7	0 31.16	− 8 39.0	1.670	2.495	15.5	18.1
11 17	0 27.29	− 7 28.0	1.776	2.507	18.1	18.4

211265 2002 RF_{62} 10 8.5 335°.90 3°.2/ 6.7 18

9 8	1 23.63	− 2 15.5	1.431	2.333	14.1	18.9
9 18	1 16.87	− 2 6.3	1.364	2.320	10.0	18.6
9 28	1 7.69	− 1 56.1	1.320	2.308	5.6	18.4
10 8	0 57.07	− 1 40.3	1.302	2.296	3.3	18.2
10 18	0 46.31	− 1 14.9	1.310	2.285	6.8	18.4
10 28	0 36.82	− 0 37.1	1.344	2.276	11.4	18.6
11 7	0 29.67	+ 0 14.3	1.402	2.267	15.6	18.9
11 17	0 25.50	+ 1 18.7	1.478	2.259	19.1	19.1

95658 2002 GF_{115} 10 8.5 325°.92 3°.8/ 5.1 18

9 8	1 18.70	− 4 2.8	1.980	2.878	11.0	19.4
9 18	1 12.82	− 4 35.3	1.920	2.874	7.7	19.2
9 28	1 5.32	− 5 7.2	1.886	2.870	4.7	19.0
10 8	0 56.96	− 5 33.1	1.879	2.865	4.0	18.9
10 18	0 48.61	− 5 48.2	1.900	2.861	6.4	19.1
10 28	0 41.19	− 5 49.1	1.948	2.858	9.7	19.3
11 7	0 35.40	− 5 34.2	2.020	2.854	12.8	19.5
11 17	0 31.73	− 5 3.7	2.112	2.851	15.4	19.6

490496 2009 UN_{17} 10 8.5 348°.34 2°.1/10.1 18

9 8	1 11.87	+13 29.6	1.004	1.910	18.3	20.6
9 18	1 9.20	+12 54.8	0.943	1.898	13.5	20.2
9 28	1 3.85	+11 53.0	0.902	1.887	7.9	19.9
10 8	0 56.90	+10 30.1	0.881	1.878	2.5	19.6
10 18	0 49.78	+ 8 56.9	0.883	1.871	5.5	19.7
10 28	0 44.10	+ 7 27.2	0.907	1.866	11.4	20.0
11 7	0 41.05	+ 6 13.7	0.951	1.862	16.8	20.3
11 17	0 41.27	+ 5 24.3	1.013	1.861	21.3	20.6

518002 2015 VM_{5} 10 8.5 321°.97 5°.3/ 3.1 18

9 8	1 15.30	− 5 47.6	1.759	2.667	11.5	20.7
9 18	1 10.67	− 7 1.9	1.697	2.653	8.3	20.4
9 28	1 4.29	− 8 15.7	1.660	2.639	5.8	20.3
10 8	0 56.92	− 9 21.0	1.649	2.626	5.7	20.2
10 18	0 49.49	−10 10.5	1.664	2.613	8.4	20.4
10 28	0 42.97	−10 38.7	1.705	2.601	11.7	20.5
11 7	0 38.17	−10 43.5	1.767	2.589	14.9	20.7
11 17	0 35.60	−10 25.4	1.849	2.578	17.6	20.9

383487 2007 BV_{28} 10 8.5 256°.64 0°.5/ 9.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 13.07	+ 9 49.9	3.284	4.149	8.0	22.3
9 18	1 8.49	+ 9 26.4	3.202	4.139	5.7	22.2
9 28	1 2.95	+ 8 55.8	3.147	4.129	3.1	22.0
10 8	0 56.87	+ 8 20.4	3.121	4.119	0.6	21.8
10 18	0 50.74	+ 7 42.9	3.125	4.109	2.5	21.9
10 28	0 45.08	+ 7 6.7	3.159	4.099	5.1	22.1
11 7	0 40.36	+ 6 34.9	3.221	4.089	7.6	22.2
11 17	0 36.90	+ 6 10.1	3.308	4.078	9.7	22.4

446574 2014 OT_{132} 10 8.5 355°.25 5°.1/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.05	+20 21.7	1.785	2.626	14.7	20.6
9 18	1 12.71	+20 42.7	1.714	2.623	11.6	20.4
9 28	1 5.42	+20 43.9	1.664	2.621	8.2	20.2
10 8	0 56.99	+20 25.6	1.640	2.619	5.5	20.0
10 18	0 48.43	+19 50.7	1.642	2.618	5.5	20.0
10 28	0 40.87	+19 5.2	1.670	2.617	8.2	20.2
11 7	0 35.20	+18 16.5	1.723	2.617	11.6	20.4
11 17	0 31.98	+17 31.6	1.799	2.618	14.7	20.6

153423 2001 QN_{203} 10 8.5 335°.18 3°.3/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.75	+ 1 4.0	1.179	2.095	15.4	19.0
9 18	1 13.04	+ 0 20.7	1.119	2.082	10.7	18.7
9 28	1 5.78	− 0 29.8	1.080	2.070	5.8	18.4
10 8	0 57.01	− 1 19.1	1.064	2.059	3.5	18.2
10 18	0 48.11	− 1 58.3	1.072	2.049	7.6	18.5
10 28	0 40.56	− 2 19.4	1.104	2.040	12.8	18.7
11 7	0 35.51	− 2 18.1	1.156	2.032	17.4	19.0
11 17	0 33.56	− 1 53.8	1.226	2.025	21.3	19.2

245688 2006 BP_{131} 10 8.5 74°.38 5°.9/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.30	+21 41.1	1.652	2.482	16.2	20.2
9 18	1 17.05	+22 15.0	1.599	2.500	12.8	20.1
9 28	1 7.64	+22 26.3	1.568	2.519	9.2	19.9
10 8	0 57.09	+22 15.0	1.563	2.537	6.4	19.8
10 18	0 46.64	+21 44.3	1.584	2.555	6.3	19.8
10 28	0 37.54	+21 0.8	1.631	2.574	8.8	20.0
11 7	0 30.72	+20 12.8	1.704	2.592	12.0	20.3
11 17	0 26.67	+19 28.1	1.799	2.610	15.0	20.5

167850 2005 CC_{76} 10 8.5 54°.93 0°.9/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.09	+10 22.5	1.638	2.519	13.8	20.0
9 18	1 13.32	+10 0.7	1.583	2.527	9.9	19.8
9 28	1 5.66	+ 9 25.3	1.551	2.535	5.4	19.5
10 8	0 57.00	+ 8 40.7	1.545	2.543	1.1	19.2
10 18	0 48.42	+ 7 52.8	1.566	2.552	4.2	19.5
10 28	0 40.99	+ 7 8.3	1.615	2.560	8.6	19.8
11 7	0 35.54	+ 6 33.3	1.688	2.569	12.5	20.0
11 17	0 32.53	+ 6 11.5	1.782	2.578	15.7	20.3

301212 2009 AG_{44} 10 8.5 147°.16 1°.8/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.61	+ 3 17.7	2.043	2.933	11.0	21.4
9 18	1 11.98	+ 2 20.5	1.986	2.939	7.6	21.2
9 28	1 4.87	+ 1 17.2	1.955	2.944	3.9	21.0
10 8	0 56.98	+ 0 13.4	1.953	2.949	1.9	20.8
10 18	0 49.14	− 0 44.8	1.979	2.953	5.0	21.1
10 28	0 42.21	− 1 32.0	2.034	2.958	8.5	21.3
11 7	0 36.86	− 2 4.4	2.113	2.962	11.7	21.5
11 17	0 33.50	− 2 20.2	2.214	2.966	14.4	21.7

355776 2008 RM_{123} 10 8.5 40°.02 0°.6/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 9.77	+ 4 38.3	4.142	5.022	6.2	21.2
9 18	1 6.03	+ 4 5.8	4.076	5.023	4.2	21.0
9 28	1 1.60	+ 3 29.9	4.037	5.025	2.2	20.9
10 8	0 56.83	+ 2 53.0	4.028	5.026	0.6	20.7
10 18	0 52.05	+ 2 17.3	4.049	5.027	2.4	20.9
10 28	0 47.65	+ 1 45.4	4.101	5.028	4.5	21.1
11 7	0 43.94	+ 1 19.3	4.180	5.030	6.4	21.2
11 17	0 41.18	+ 1 0.6	4.284	5.031	8.0	21.3

437854 1999 XW_{16} 10 8.5 7°.08 19°.0/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 8.58	+55 32.8	1.221	1.870	29.5	19.2
9 18	1 7.65	+56 24.0	1.163	1.872	27.9	19.0
9 28	1 3.27	+56 19.1	1.112	1.876	26.0	18.9
10 8	0 56.89	+55 9.4	1.071	1.882	23.7	18.7
10 18	0 50.53	+52 50.8	1.042	1.890	21.5	18.6
10 28	0 46.27	+49 28.7	1.031	1.901	19.7	18.6
11 7	0 45.40	+45 19.6	1.039	1.914	19.0	18.6
11 17	0 48.28	+40 46.6	1.068	1.929	19.5	18.7

97131 1999 VV_{111} 10 8.5 227°.65 1°.1/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.86	+ 4 6.6	2.291	3.177	10.2	19.9
9 18	1 11.41	+ 3 34.6	2.224	3.174	7.1	19.7
9 28	1 4.56	+ 2 56.8	2.184	3.172	3.6	19.4
10 8	0 56.97	+ 2 17.4	2.171	3.169	1.1	19.3
10 18	0 49.36	+ 1 40.5	2.188	3.166	4.1	19.5
10 28	0 42.51	+ 1 10.8	2.233	3.163	7.5	19.7
11 7	0 37.06	+ 0 51.5	2.305	3.160	10.6	19.9
11 17	0 33.43	+ 0 44.7	2.398	3.157	13.2	20.1

288798 2004 RQ_{152} 10 8.5 0°.47 4°.9/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 16.54	+22 32.5	1.991	2.817	14.0	20.3
9 18	1 11.49	+22 27.7	1.918	2.817	11.1	20.2
9 28	1 4.72	+22 1.8	1.867	2.816	8.0	20.0
10 8	0 56.98	+21 16.2	1.841	2.816	5.4	19.8
10 18	0 49.19	+20 14.6	1.842	2.817	5.2	19.8
10 28	0 42.31	+19 3.5	1.870	2.817	7.5	20.0
11 7	0 37.12	+17 50.6	1.925	2.818	10.6	20.1
11 17	0 34.13	+16 43.2	2.003	2.818	13.5	20.3

134912 2000 YC_{44} 10 8.5 358°.57 2°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.79	+13 51.6	1.112	2.005	18.0	19.2
9 18	1 13.18	+13 36.1	1.055	2.002	13.3	18.9
9 28	1 5.88	+12 57.0	1.018	2.000	8.0	18.6
10 8	0 57.04	+11 58.8	1.003	1.999	3.1	18.3
10 18	0 48.14	+10 49.7	1.012	1.999	5.4	18.5
10 28	0 40.76	+ 9 41.1	1.044	2.000	10.8	18.8
11 7	0 36.05	+ 8 43.4	1.098	2.002	15.8	19.1
11 17	0 34.60	+ 8 3.8	1.171	2.005	20.0	19.4

23259 Miwadagakuen 10 8.5 267°.15 6°.9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.56	− 7 30.9	1.409	2.318	13.8	18.1
9 18	1 14.67	− 8 53.4	1.355	2.310	10.2	17.8
9 28	1 6.50	−10 13.0	1.325	2.301	7.3	17.7
10 8	0 57.07	−11 19.2	1.319	2.293	7.4	17.6
10 18	0 47.62	−12 3.2	1.339	2.284	10.3	17.8
10 28	0 39.45	−12 19.2	1.382	2.275	14.1	18.0
11 7	0 33.55	−12 6.5	1.446	2.266	17.7	18.2
11 17	0 30.47	−11 27.4	1.526	2.258	20.7	18.4

152848 1999 VU_{164} 10 8.5 184°.16 7°.2/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.51	−21 52.0	2.853	3.712	9.3	20.0
9 18	1 14.35	−22 32.4	2.810	3.712	7.9	19.9
9 28	1 5.99	−23 0.9	2.795	3.712	7.2	19.9
10 8	0 57.05	−23 13.0	2.806	3.711	7.5	19.9
10 18	0 48.23	−23 6.0	2.845	3.710	8.7	20.0
10 28	0 40.23	−22 39.2	2.910	3.708	10.3	20.1
11 7	0 33.60	−21 53.9	2.997	3.706	11.9	20.3
11 17	0 28.71	−20 52.5	3.104	3.704	13.3	20.4

426170 2012 JY_{2} 10 8.5 193°.77 1°.6/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.63	+ 3 50.0	1.659	2.549	13.2	21.8
9 18	1 15.85	+ 3 14.2	1.596	2.547	9.2	21.6
9 28	1 7.04	+ 2 30.6	1.557	2.546	4.7	21.3
10 8	0 57.10	+ 1 45.0	1.546	2.543	1.6	21.1
10 18	0 47.15	+ 1 3.6	1.562	2.541	5.4	21.3
10 28	0 38.35	+ 0 32.6	1.606	2.537	9.9	21.6
11 7	0 31.61	+ 0 16.3	1.674	2.533	13.8	21.8
11 17	0 27.44	+ 0 16.5	1.763	2.529	17.0	22.0

328559 2009 RY_{73} 10 8.5 359°.05 1°.4/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.08	+10 7.9	1.946	2.818	12.4	20.3
9 18	1 13.91	+10 20.3	1.878	2.817	8.9	20.1
9 28	1 5.97	+10 22.4	1.835	2.816	5.1	19.9
10 8	0 57.06	+10 16.4	1.819	2.816	1.6	19.7
10 18	0 48.08	+10 5.2	1.831	2.816	3.8	19.8
10 28	0 40.04	+ 9 53.3	1.872	2.816	7.7	20.1
11 7	0 33.73	+ 9 45.1	1.938	2.817	11.2	20.3
11 17	0 29.66	+ 9 44.0	2.026	2.818	14.2	20.5

286943 2002 PN_{162} 10 8.5 265°.09 4°.8/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.53	− 2 26.7	1.436	2.344	13.6	20.3
9 18	1 13.88	− 3 42.9	1.381	2.339	9.6	20.1
9 28	1 6.07	− 5 2.0	1.349	2.334	5.9	19.9
10 8	0 57.06	− 6 14.4	1.343	2.329	5.2	19.8
10 18	0 48.05	− 7 11.2	1.363	2.324	8.4	20.0
10 28	0 40.28	− 7 45.6	1.408	2.319	12.6	20.2
11 7	0 34.70	− 7 54.8	1.474	2.314	16.4	20.4
11 17	0 31.82	− 7 39.3	1.558	2.309	19.5	20.7

298648 2004 BX_{105} 10 8.5 327°.11 3°.9/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.21	− 1 54.0	1.593	2.499	12.7	20.0
9 18	1 12.83	− 2 40.8	1.532	2.490	8.9	19.7
9 28	1 5.49	− 3 29.8	1.496	2.482	5.2	19.5
10 8	0 57.04	− 4 14.1	1.485	2.475	4.1	19.4
10 18	0 48.56	− 4 46.8	1.500	2.467	7.2	19.6
10 28	0 41.15	− 5 2.7	1.541	2.460	11.1	19.8
11 7	0 35.70	− 4 59.0	1.605	2.454	14.8	20.0
11 17	0 32.74	− 4 35.7	1.688	2.448	17.9	20.2

439075 2011 KZ_{28} 10 8.5 61°.58 6°.9/15.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.92	+27 32.4	1.538	2.350	18.0	20.9
9 18	1 14.00	+27 15.0	1.492	2.376	14.6	20.8
9 28	1 6.02	+26 26.8	1.466	2.402	10.9	20.6
10 8	0 57.07	+25 9.9	1.463	2.429	7.8	20.5
10 18	0 48.39	+23 31.1	1.487	2.456	7.0	20.5
10 28	0 41.17	+21 41.0	1.536	2.482	8.9	20.7
11 7	0 36.24	+19 51.3	1.611	2.509	12.0	21.0
11 17	0 33.99	+18 11.8	1.709	2.535	15.0	21.2

480991 2004 BB_{138} 10 8.5 276°.05 0°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.40	+ 8 40.2	1.850	2.731	12.5	21.6
9 18	1 12.79	+ 8 13.9	1.782	2.728	8.8	21.3
9 28	1 5.41	+ 7 36.5	1.738	2.724	4.7	21.1
10 8	0 57.05	+ 6 51.9	1.721	2.720	0.4	20.7
10 18	0 48.63	+ 6 5.7	1.733	2.717	4.1	21.0
10 28	0 41.17	+ 5 23.8	1.772	2.713	8.3	21.3
11 7	0 35.46	+ 4 51.5	1.836	2.710	12.0	21.5
11 17	0 31.99	+ 4 32.4	1.922	2.706	15.2	21.7

444940 2008 CX_{40} 10 8.5 271°.22 0°.0/ 8.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.05	+ 8 40.6	2.087	2.965	11.4	22.2
9 18	1 11.81	+ 7 57.7	2.000	2.945	8.1	21.9
9 28	1 4.91	+ 7 3.2	1.939	2.925	4.3	21.7
10 8	0 57.03	+ 6 1.2	1.905	2.904	0.2	21.3
10 18	0 48.97	+ 4 57.3	1.901	2.884	4.0	21.6
10 28	0 41.65	+ 3 58.0	1.924	2.862	8.0	21.8
11 7	0 35.84	+ 3 8.8	1.974	2.841	11.6	22.0
11 17	0 32.07	+ 2 33.8	2.046	2.819	14.7	22.1

24582 2085 $T\text{-}_2$ 10 8.5 249°.77 1°.2/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.75	+10 55.2	1.946	2.816	12.4	19.1
9 18	1 13.76	+10 39.4	1.867	2.805	9.0	18.9
9 28	1 5.95	+10 11.1	1.812	2.794	5.1	18.6
10 8	0 57.08	+ 9 33.2	1.785	2.783	1.3	18.4
10 18	0 48.06	+ 8 50.4	1.786	2.771	3.9	18.5
10 28	0 39.91	+ 8 8.5	1.815	2.759	8.0	18.8
11 7	0 33.48	+ 7 33.1	1.870	2.747	11.7	19.0
11 17	0 29.30	+ 7 8.5	1.948	2.734	14.9	19.2

439255 2012 TD_{286} 10 8.5 15°.16 3°.4/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.44	+ 0 11.9	1.220	2.134	15.1	20.5
9 18	1 13.25	− 0 27.5	1.176	2.138	10.5	20.3
9 28	1 5.76	− 1 11.1	1.154	2.144	5.7	20.0
10 8	0 57.07	− 1 50.9	1.155	2.150	3.6	19.9
10 18	0 48.52	− 2 19.4	1.182	2.157	7.4	20.2
10 28	0 41.43	− 2 30.4	1.232	2.165	12.0	20.5
11 7	0 36.75	− 2 21.4	1.303	2.174	16.2	20.7
11 17	0 34.94	− 1 52.5	1.393	2.184	19.6	21.0

347574 2000 YL_{113} 10 8.5 271°.24 7°.9/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.21	+28 14.6	1.855	2.647	16.1	20.2
9 18	1 15.18	+28 49.5	1.768	2.634	13.5	20.0
9 28	1 6.88	+28 59.6	1.701	2.621	10.8	19.8
10 8	0 57.14	+28 42.7	1.658	2.608	8.6	19.7
10 18	0 47.07	+27 59.6	1.641	2.595	8.0	19.6
10 28	0 37.97	+26 55.8	1.649	2.581	9.6	19.7
11 7	0 30.89	+25 40.2	1.683	2.568	12.3	19.8
11 17	0 26.54	+24 22.5	1.738	2.554	15.2	20.0

187956 2001 OA_{49} 10 8.5 75°.02 7°.1/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.86	+24 34.4	1.495	2.317	18.0	19.2
9 18	1 17.59	+25 3.2	1.448	2.340	14.4	19.1
9 28	1 7.98	+25 4.2	1.421	2.363	10.7	18.9
10 8	0 57.18	+24 37.7	1.418	2.386	7.7	18.8
10 18	0 46.57	+23 47.5	1.440	2.408	7.3	18.8
10 28	0 37.52	+22 42.3	1.489	2.431	9.5	19.0
11 7	0 30.99	+21 32.6	1.562	2.453	12.7	19.3
11 17	0 27.46	+20 27.5	1.656	2.475	15.8	19.5

272370 2005 SF_{210} 10 8.5 58°.01 2°.6/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.46	+15 52.6	1.374	2.247	16.4	20.2
9 18	1 13.14	+15 11.0	1.323	2.259	12.1	20.0
9 28	1 5.66	+14 6.6	1.293	2.271	7.3	19.8
10 8	0 57.08	+12 44.9	1.288	2.283	3.0	19.5
10 18	0 48.63	+11 14.6	1.309	2.296	4.6	19.7
10 28	0 41.57	+ 9 46.4	1.357	2.308	9.2	20.0
11 7	0 36.78	+ 8 29.9	1.428	2.321	13.5	20.3
11 17	0 34.74	+ 7 31.2	1.520	2.334	17.1	20.6

133064 2003 FF_{47} 10 8.5 76°.56 0°.4/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.98	+ 6 33.2	1.211	2.107	16.6	19.9
9 18	1 17.76	+ 6 14.4	1.170	2.123	11.6	19.7
9 28	1 8.07	+ 5 43.7	1.152	2.140	6.0	19.4
10 8	0 57.19	+ 5 7.3	1.157	2.157	0.4	19.1
10 18	0 46.60	+ 4 32.2	1.189	2.173	5.6	19.5
10 28	0 37.75	+ 4 5.9	1.246	2.189	10.8	19.9
11 7	0 31.62	+ 3 53.5	1.325	2.206	15.3	20.2
11 17	0 28.62	+ 3 57.3	1.424	2.222	18.9	20.5

25326 Lawrencesun 10 8.5 24°.35 2°.0/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.08	+ 2 54.1	1.745	2.644	12.2	18.2
9 18	1 11.84	+ 2 9.6	1.691	2.647	8.4	17.9
9 28	1 4.89	+ 1 19.0	1.662	2.651	4.4	17.7
10 8	0 57.05	+ 0 28.0	1.659	2.655	2.0	17.6
10 18	0 49.26	− 0 17.1	1.683	2.659	5.4	17.8
10 28	0 42.50	− 0 50.5	1.734	2.664	9.3	18.0
11 7	0 37.52	− 1 8.7	1.809	2.669	12.9	18.3
11 17	0 34.76	− 1 10.0	1.905	2.675	15.8	18.5

478862 2012 VW_{78} 10 8.5 329°.75 2°.1/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.16	+ 3 6.6	1.498	2.400	13.6	20.9
9 18	1 12.92	+ 2 23.7	1.436	2.393	9.4	20.6
9 28	1 5.59	+ 1 32.8	1.397	2.387	4.9	20.3
10 8	0 57.09	+ 0 40.6	1.384	2.381	2.2	20.1
10 18	0 48.53	− 0 5.7	1.397	2.375	6.0	20.4
10 28	0 41.11	− 0 39.1	1.436	2.370	10.6	20.6
11 7	0 35.75	− 0 55.2	1.498	2.365	14.7	20.9
11 17	0 32.99	− 0 52.1	1.579	2.360	18.1	21.1

259704 2003 YX_{35} 10 8.5 13°.45 6°.5/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.02	− 4 30.6	0.951	1.879	16.9	18.5
9 18	1 13.33	− 5 32.1	0.916	1.882	12.0	18.2
9 28	1 5.91	− 6 31.4	0.900	1.887	7.7	18.0
10 8	0 57.10	− 7 16.9	0.907	1.893	6.9	18.0
10 18	0 48.52	− 7 39.1	0.935	1.901	10.5	18.2
10 28	0 41.73	− 7 32.8	0.984	1.910	15.1	18.5
11 7	0 37.77	− 6 58.2	1.052	1.920	19.4	18.8
11 17	0 37.07	− 5 58.7	1.135	1.931	22.8	19.1

360228 1999 TH_{321} 10 8.5 18°.61 0°.9/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.17	+ 6 22.9	1.673	2.569	12.8	20.5
9 18	1 10.56	+ 5 33.6	1.620	2.574	8.8	20.3
9 28	1 4.24	+ 4 34.3	1.591	2.580	4.5	20.1
10 8	0 57.03	+ 3 31.0	1.588	2.586	0.9	19.8
10 18	0 49.88	+ 2 30.8	1.612	2.593	4.8	20.1
10 28	0 43.76	+ 1 40.3	1.663	2.601	9.0	20.4
11 7	0 39.43	+ 1 4.7	1.737	2.609	12.7	20.6
11 17	0 37.31	+ 0 46.4	1.833	2.618	15.8	20.9

320972 2008 HE_{61} 10 8.5 3°.80 6°.4/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.62	− 9 1.7	1.740	2.648	11.7	19.9
9 18	1 10.83	−10 19.1	1.696	2.648	8.7	19.8
9 28	1 4.36	−11 31.5	1.676	2.648	6.6	19.6
10 8	0 57.03	−12 30.7	1.682	2.649	6.8	19.7
10 18	0 49.77	−13 10.4	1.714	2.651	9.2	19.8
10 28	0 43.53	−13 26.3	1.770	2.652	12.1	20.0
11 7	0 39.04	−13 18.0	1.848	2.655	14.9	20.2
11 17	0 36.72	−12 47.2	1.944	2.658	17.3	20.4

342379 2008 UB_{29} 10 8.5 35°.99 6°.4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.93	− 9 8.9	1.408	2.310	14.3	20.2
9 18	1 17.51	− 9 30.7	1.367	2.318	10.5	20.0
9 28	1 7.89	− 9 44.4	1.349	2.326	7.2	19.8
10 8	0 57.21	− 9 43.4	1.356	2.334	6.6	19.8
10 18	0 46.79	− 9 23.2	1.390	2.343	9.2	20.0
10 28	0 37.91	− 8 42.2	1.448	2.352	12.8	20.2
11 7	0 31.48	− 7 42.0	1.528	2.362	16.2	20.5
11 17	0 27.91	− 6 25.8	1.627	2.372	19.0	20.7

91426 1999 PE_4 10 8.5 2°.71 5°.3/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.30	− 3 4.4	1.297	2.220	13.7	18.5
9 18	1 8.90	− 4 25.7	1.253	2.218	9.6	18.3
9 28	1 3.48	− 5 48.3	1.232	2.218	6.1	18.1
10 8	0 57.00	− 7 1.9	1.234	2.219	5.8	18.0
10 18	0 50.57	− 7 57.2	1.261	2.223	9.0	18.2
10 28	0 45.36	− 8 27.7	1.311	2.227	12.9	18.5
11 7	0 42.20	− 8 31.1	1.382	2.233	16.6	18.7
11 17	0 41.55	− 8 8.6	1.469	2.241	19.6	19.0

465008 2006 GV_{14} 10 8.5 66°.88 1°.5/ 7.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.33	+ 7 8.8	1.168	2.072	16.5	21.4
9 18	1 14.46	+ 5 47.8	1.135	2.093	11.3	21.2
9 28	1 6.31	+ 4 13.1	1.124	2.114	5.7	20.9
10 8	0 57.13	+ 2 35.4	1.137	2.135	1.6	20.7
10 18	0 48.31	+ 1 6.1	1.176	2.157	6.3	21.1
10 28	0 41.16	− 0 4.8	1.239	2.178	11.4	21.5
11 7	0 36.54	− 0 51.7	1.325	2.199	15.7	21.8
11 17	0 34.83	− 1 13.3	1.429	2.220	19.2	22.1

284840 2009 BR_{69} 10 8.5 324°.41 8°.4/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.56	+26 3.7	1.546	2.364	17.7	20.6
9 18	1 15.02	+26 55.3	1.467	2.352	14.7	20.4
9 28	1 6.93	+27 21.2	1.408	2.341	11.5	20.2
10 8	0 57.18	+27 18.5	1.371	2.330	9.0	20.0
10 18	0 47.06	+26 47.7	1.358	2.319	8.5	20.0
10 28	0 38.05	+25 54.7	1.370	2.309	10.5	20.1
11 7	0 31.37	+24 49.4	1.406	2.300	13.7	20.2
11 17	0 27.78	+23 42.4	1.462	2.291	16.9	20.4

7493 Hirzo 10 8.5 303°.86 3°.4/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.92	+16 53.7	1.635	2.496	14.9	17.2
9 18	1 12.81	+16 40.7	1.558	2.485	11.3	16.9
9 28	1 5.59	+16 7.3	1.503	2.474	7.3	16.7
10 8	0 57.13	+15 15.7	1.473	2.464	3.8	16.5
10 18	0 48.49	+14 11.1	1.469	2.453	4.7	16.5
10 28	0 40.87	+13 1.5	1.492	2.443	8.6	16.7
11 7	0 35.23	+11 55.6	1.540	2.433	12.7	16.9
11 17	0 32.19	+11 0.6	1.609	2.423	16.3	17.1

4891 Blaga 10 8.5 139°.69 0°.6/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 16.55	+ 9 54.7	2.436	3.305	10.3	17.5
9 18	1 11.15	+ 9 30.2	2.370	3.309	7.3	17.3
9 28	1 4.46	+ 8 56.4	2.329	3.312	4.0	17.1
10 8	0 57.07	+ 8 16.4	2.317	3.316	0.7	16.9
10 18	0 49.69	+ 7 34.2	2.335	3.319	3.2	17.1
10 28	0 43.05	+ 6 54.3	2.382	3.323	6.5	17.3
11 7	0 37.74	+ 6 20.8	2.455	3.326	9.5	17.5
11 17	0 34.15	+ 5 56.8	2.552	3.329	12.1	17.7

391584 2007 TB_{366} 10 8.5 3°.28 1°.7/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.19	+ 4 19.2	1.488	2.390	13.7	20.7
9 18	1 12.19	+ 3 31.4	1.433	2.390	9.5	20.5
9 28	1 5.19	+ 2 34.4	1.400	2.390	4.9	20.2
10 8	0 57.11	+ 1 35.2	1.393	2.390	1.8	20.0
10 18	0 49.05	+ 0 41.2	1.412	2.391	5.7	20.3
10 28	0 42.14	− 0 0.4	1.457	2.393	10.3	20.6
11 7	0 37.28	− 0 24.6	1.525	2.395	14.3	20.8
11 17	0 34.94	− 0 29.5	1.612	2.397	17.6	21.1

441889 2010 CH_{161} 10 8.5 102°.28 5°.1/ 3.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.46	− 5 11.2	1.807	2.709	11.6	21.8
9 18	1 12.65	− 6 40.5	1.771	2.725	8.3	21.6
9 28	1 5.26	− 8 7.8	1.761	2.740	5.6	21.5
10 8	0 57.12	− 9 24.7	1.779	2.755	5.5	21.5
10 18	0 49.16	−10 24.5	1.823	2.770	8.0	21.7
10 28	0 42.30	−11 2.4	1.894	2.784	11.0	21.9
11 7	0 37.20	−11 17.3	1.988	2.798	13.9	22.1
11 17	0 34.27	−11 10.3	2.101	2.812	16.2	22.3

143925 2003 YO_{89} 10 8.5 303°.62 6°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.11	+21 4.3	1.360	2.209	18.0	19.6
9 18	1 16.36	+21 47.1	1.280	2.192	14.4	19.4
9 28	1 7.77	+22 5.9	1.219	2.175	10.5	19.1
10 8	0 57.27	+21 58.4	1.181	2.159	7.4	18.9
10 18	0 46.29	+21 26.0	1.167	2.143	7.4	18.8
10 28	0 36.47	+20 35.7	1.178	2.127	10.8	19.0
11 7	0 29.22	+19 38.0	1.212	2.111	15.0	19.2
11 17	0 25.37	+18 43.5	1.265	2.096	19.0	19.4

514765 2007 EL_{115} 10 8.5 121°.94 2°.0/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.33	+ 0 8.1	2.487	3.374	9.5	21.5
9 18	1 12.29	− 0 19.1	2.433	3.384	6.5	21.4
9 28	1 5.02	− 0 48.2	2.407	3.393	3.5	21.2
10 8	0 57.12	− 1 15.6	2.409	3.403	2.1	21.1
10 18	0 49.31	− 1 37.5	2.441	3.412	4.5	21.3
10 28	0 42.27	− 1 50.7	2.502	3.421	7.4	21.5
11 7	0 36.57	− 1 53.2	2.589	3.429	10.1	21.7
11 17	0 32.60	− 1 44.1	2.699	3.438	12.4	21.9

287377 2002 VW_{12} 10 8.5 14°.65 0°.7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.14	+ 5 24.0	1.498	2.395	13.9	19.9
9 18	1 13.54	+ 5 7.5	1.444	2.398	9.7	19.6
9 28	1 5.90	+ 4 42.1	1.413	2.402	5.0	19.4
10 8	0 57.17	+ 4 12.8	1.407	2.406	0.7	19.1
10 18	0 48.48	+ 3 45.2	1.428	2.411	5.0	19.4
10 28	0 41.01	+ 3 25.3	1.474	2.416	9.6	19.7
11 7	0 35.63	+ 3 17.5	1.544	2.422	13.7	20.0
11 17	0 32.84	+ 3 24.0	1.635	2.429	17.0	20.2

290830 2005 VC_{135} 10 8.5 123°.70 3°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.42	+20 32.7	2.231	3.060	12.6	20.8
9 18	1 11.95	+20 25.3	2.159	3.063	9.8	20.6
9 28	1 4.96	+20 0.4	2.110	3.066	6.8	20.5
10 8	0 57.13	+19 19.5	2.088	3.069	4.4	20.3
10 18	0 49.26	+18 26.0	2.094	3.072	4.4	20.3
10 28	0 42.23	+17 25.5	2.129	3.075	6.8	20.5
11 7	0 36.73	+16 24.6	2.190	3.078	9.7	20.7
11 17	0 33.22	+15 29.0	2.276	3.080	12.5	20.9

324258 2006 BH_{212} 10 8.5 226°.50 1°.9/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.53	+ 1 45.3	2.475	3.365	9.4	21.2
9 18	1 10.45	+ 0 56.5	2.408	3.360	6.5	21.0
9 28	1 4.11	+ 0 3.5	2.367	3.355	3.4	20.8
10 8	0 57.09	− 0 49.3	2.355	3.350	2.0	20.7
10 18	0 50.04	− 1 37.0	2.373	3.344	4.5	20.9
10 28	0 43.67	− 2 15.4	2.419	3.339	7.6	21.1
11 7	0 38.56	− 2 41.4	2.491	3.333	10.4	21.3
11 17	0 35.11	− 2 53.3	2.585	3.327	12.8	21.4

145618 2006 QX_{78} 10 8.5 13°.02 6°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.70	− 4 55.2	1.395	2.312	13.3	18.8
9 18	1 10.46	− 6 31.0	1.355	2.316	9.5	18.6
9 28	1 4.28	− 8 5.7	1.338	2.320	6.5	18.5
10 8	0 57.10	− 9 28.6	1.346	2.325	6.5	18.5
10 18	0 50.03	−10 30.5	1.379	2.331	9.5	18.7
10 28	0 44.17	−11 5.7	1.436	2.338	13.1	18.9
11 7	0 40.34	−11 12.6	1.514	2.345	16.4	19.1
11 17	0 38.98	−10 53.1	1.608	2.354	19.2	19.4

494462 2016 VJ_{12} 10 8.5 25°.63 0°.2/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 16.89	+ 9 6.5	1.228	2.129	16.0	20.5
9 18	1 12.18	+ 8 27.8	1.184	2.139	11.3	20.2
9 28	1 5.23	+ 7 33.4	1.162	2.150	6.0	20.0
10 8	0 57.16	+ 6 30.3	1.164	2.163	0.4	19.6
10 18	0 49.24	+ 5 27.4	1.190	2.176	5.2	20.0
10 28	0 42.75	+ 4 33.6	1.242	2.190	10.3	20.3
11 7	0 38.62	+ 3 55.8	1.315	2.206	14.7	20.6
11 17	0 37.27	+ 3 37.2	1.408	2.222	18.3	20.9

523043 2016 PH_{127} 10 8.5 266°.43 3°.0/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.17	+13 10.7	1.663	2.525	14.6	21.0
9 18	1 17.93	+13 42.2	1.587	2.517	10.9	20.8
9 28	1 8.34	+13 59.9	1.535	2.509	6.8	20.5
10 8	0 57.32	+14 4.3	1.508	2.501	3.3	20.3
10 18	0 46.07	+13 57.8	1.510	2.493	4.8	20.4
10 28	0 35.90	+13 45.2	1.539	2.485	8.9	20.6
11 7	0 27.90	+13 32.6	1.594	2.477	13.0	20.8
11 17	0 22.72	+13 25.4	1.670	2.469	16.5	21.1

404623 2014 GP_{47} 10 8.5 218°.37 3°.3/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.75	− 3 9.2	2.171	3.060	10.5	21.3
9 18	1 14.95	− 3 42.5	2.103	3.052	7.4	21.1
9 28	1 6.53	− 4 16.0	2.061	3.044	4.4	20.9
10 8	0 57.23	− 4 44.9	2.047	3.035	3.5	20.8
10 18	0 47.88	− 5 4.6	2.063	3.025	5.9	20.9
10 28	0 39.39	− 5 11.5	2.107	3.015	9.2	21.1
11 7	0 32.49	− 5 3.6	2.177	3.005	12.2	21.3
11 17	0 27.65	− 4 40.9	2.268	2.993	14.8	21.5

293147 2006 YK_{5} 10 8.5 107°.32 5°.1/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.02	− 4 59.2	1.554	2.456	13.2	20.4
9 18	1 15.37	− 5 58.8	1.512	2.466	9.3	20.2
9 28	1 6.78	− 6 56.4	1.495	2.477	6.0	20.0
10 8	0 57.24	− 7 44.0	1.504	2.486	5.4	20.0
10 18	0 47.89	− 8 15.0	1.540	2.496	8.2	20.2
10 28	0 39.86	− 8 25.2	1.601	2.505	11.8	20.4
11 7	0 33.96	− 8 13.7	1.685	2.515	15.1	20.7
11 17	0 30.63	− 7 42.0	1.787	2.524	17.9	20.9

68097 2000 YJ_{115} 10 8.5 300°.88 5°.6/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.35	− 5 40.8	1.600	2.507	12.6	18.8
9 18	1 12.98	− 6 51.2	1.541	2.497	9.1	18.5
9 28	1 5.64	− 8 0.8	1.507	2.487	6.2	18.3
10 8	0 57.19	− 9 0.9	1.499	2.478	5.9	18.3
10 18	0 48.70	− 9 44.0	1.516	2.468	8.7	18.5
10 28	0 41.29	−10 4.5	1.559	2.459	12.3	18.7
11 7	0 35.83	−10 0.7	1.623	2.450	15.8	18.9
11 17	0 32.86	− 9 33.6	1.706	2.441	18.6	19.1

494621 2017 CF_{3} 10 8.5 255°.79 3°.1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.48	− 1 25.7	2.357	3.253	9.6	21.5
9 18	1 10.51	− 2 30.7	2.287	3.241	6.7	21.3
9 28	1 4.20	− 3 38.6	2.243	3.228	3.9	21.1
10 8	0 57.12	− 4 43.7	2.228	3.216	3.3	21.0
10 18	0 49.99	− 5 40.6	2.242	3.203	5.7	21.1
10 28	0 43.53	− 6 24.3	2.284	3.190	8.7	21.3
11 7	0 38.39	− 6 52.0	2.351	3.177	11.5	21.5
11 17	0 34.98	− 7 2.4	2.439	3.163	13.9	21.6

80674 2000 BW_{19} 10 8.5 102°.36 1°.5/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.30	+ 5 5.1	1.622	2.512	13.4	19.9
9 18	1 14.77	+ 4 8.7	1.579	2.531	9.2	19.7
9 28	1 6.43	+ 3 3.8	1.561	2.549	4.7	19.5
10 8	0 57.23	+ 1 57.3	1.570	2.567	1.5	19.3
10 18	0 48.25	+ 0 56.5	1.607	2.585	5.3	19.6
10 28	0 40.55	+ 0 8.1	1.671	2.602	9.5	19.9
11 7	0 34.87	− 0 23.8	1.759	2.619	13.2	20.2
11 17	0 31.64	− 0 37.4	1.868	2.635	16.2	20.4

324414 2006 SM_{247} 10 8.5 39°.54 1°.0/ 7.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.30	+ 6 55.9	1.091	1.999	17.0	20.2
9 18	1 13.99	+ 6 7.4	1.053	2.012	11.8	19.9
9 28	1 6.21	+ 5 4.9	1.036	2.026	6.0	19.7
10 8	0 57.22	+ 3 56.9	1.042	2.041	1.0	19.4
10 18	0 48.48	+ 2 53.7	1.072	2.056	6.1	19.8
10 28	0 41.42	+ 2 4.5	1.126	2.072	11.5	20.1
11 7	0 36.99	+ 1 35.4	1.202	2.088	16.1	20.5
11 17	0 35.62	+ 1 28.2	1.295	2.105	19.8	20.8

441900 2010 EC_{68} 10 8.5 175°.42 0°.6/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.59	+ 5 10.6	2.051	2.929	11.6	21.7
9 18	1 15.58	+ 4 58.8	1.985	2.931	8.1	21.5
9 28	1 6.88	+ 4 40.5	1.946	2.932	4.2	21.3
10 8	0 57.27	+ 4 19.1	1.935	2.933	0.6	21.0
10 18	0 47.66	+ 3 58.6	1.953	2.934	4.2	21.3
10 28	0 38.99	+ 3 43.2	2.000	2.934	8.0	21.5
11 7	0 32.04	+ 3 36.6	2.074	2.934	11.4	21.7
11 17	0 27.28	+ 3 40.8	2.169	2.933	14.3	21.9

397919 2008 VQ_{73} 10 8.5 11°.23 7°.0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.55	−10 12.3	1.523	2.426	13.3	20.6
9 18	1 15.16	−11 2.0	1.478	2.427	10.0	20.4
9 28	1 6.73	−11 44.1	1.456	2.428	7.4	20.3
10 8	0 57.26	−12 10.5	1.460	2.429	7.3	20.3
10 18	0 47.92	−12 15.7	1.489	2.431	9.8	20.4
10 28	0 39.89	−11 56.7	1.542	2.433	13.0	20.6
11 7	0 34.02	−11 14.5	1.617	2.435	16.2	20.9
11 17	0 30.79	−10 12.0	1.710	2.438	18.9	21.1

340411 2006 FC_1 10 8.5 315°.48 0°.1/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.61	+ 8 6.2	1.581	2.469	13.8	20.7
9 18	1 13.93	+ 7 43.5	1.515	2.464	9.8	20.5
9 28	1 6.17	+ 7 8.7	1.473	2.459	5.2	20.2
10 8	0 57.24	+ 6 26.4	1.456	2.455	0.3	19.8
10 18	0 48.24	+ 5 42.6	1.466	2.451	4.6	20.2
10 28	0 40.35	+ 5 4.2	1.504	2.447	9.3	20.4
11 7	0 34.49	+ 4 36.9	1.564	2.443	13.5	20.7
11 17	0 31.21	+ 4 24.4	1.646	2.440	16.9	20.9

79748 1998 SG_{157} 10 8.5 351°.64 0°.7/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.79	+ 6 8.5	1.166	2.073	16.2	19.1
9 18	1 13.81	+ 5 46.2	1.110	2.068	11.4	18.8
9 28	1 6.27	+ 5 11.3	1.074	2.064	6.0	18.5
10 8	0 57.25	+ 4 30.0	1.062	2.061	0.7	18.1
10 18	0 48.17	+ 3 50.2	1.074	2.058	5.9	18.5
10 28	0 40.52	+ 3 20.1	1.109	2.057	11.4	18.8
11 7	0 35.43	+ 3 5.9	1.166	2.056	16.2	19.1
11 17	0 33.47	+ 3 10.5	1.242	2.056	20.2	19.3

465166 2007 EL 10 8.5 58°.72 34°.1/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	3 2.99	+32 3.4	0.470	1.264	47.5	20.2
9 18	2 38.82	+43 16.6	0.466	1.302	41.9	20.1
9 28	1 57.36	+52 35.9	0.484	1.342	37.5	20.1
10 8	1 0.01	+58 20.0	0.524	1.382	35.0	20.2
10 18	0 1.37	+60 6.6	0.581	1.423	34.1	20.5
10 28	23 18.47	+59 11.9	0.652	1.462	34.2	20.8
11 7	22 55.13	+57 12.4	0.732	1.502	34.7	21.1
11 17	22 47.06	+55 5.7	0.819	1.540	35.1	21.4

385365 2002 PU_{174} 10 8.5 124°.60 6°.1/ 1.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.32	−10 53.0	2.131	3.024	10.5	21.0
9 18	1 13.10	−12 12.6	2.098	3.040	7.9	20.9
9 28	1 5.48	−13 25.5	2.092	3.055	6.2	20.8
10 8	0 57.21	−14 24.8	2.113	3.070	6.5	20.9
10 18	0 49.10	−15 5.5	2.162	3.084	8.4	21.0
10 28	0 41.98	−15 24.7	2.237	3.097	10.8	21.2
11 7	0 36.44	−15 22.3	2.335	3.110	13.1	21.4
11 17	0 32.88	−15 0.2	2.452	3.123	15.1	21.6

164677 1997 GA_4 10 8.5 154°.41 0°.5/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.58	+ 6 2.0	1.914	2.797	12.0	20.3
9 18	1 14.25	+ 5 38.8	1.853	2.800	8.4	20.1
9 28	1 6.21	+ 5 7.5	1.816	2.804	4.4	19.8
10 8	0 57.25	+ 4 32.3	1.808	2.806	0.5	19.5
10 18	0 48.32	+ 3 58.0	1.827	2.809	4.3	19.8
10 28	0 40.37	+ 3 29.9	1.875	2.812	8.3	20.1
11 7	0 34.18	+ 3 12.0	1.949	2.814	11.8	20.3
11 17	0 30.21	+ 3 6.8	2.044	2.816	14.8	20.5

391969 2008 WK_{132} 10 8.5 25°.52 1°.6/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.26	+ 6 48.6	1.344	2.248	14.7	20.0
9 18	1 10.94	+ 5 23.2	1.295	2.254	10.1	19.8
9 28	1 4.58	+ 3 44.2	1.270	2.261	5.1	19.5
10 8	0 57.17	+ 2 1.0	1.270	2.268	1.7	19.3
10 18	0 49.86	+ 0 24.4	1.297	2.276	6.0	19.6
10 28	0 43.81	− 0 55.4	1.348	2.285	10.8	19.9
11 7	0 39.88	− 1 52.1	1.422	2.294	15.0	20.2
11 17	0 38.52	− 2 23.4	1.515	2.304	18.3	20.5

412336 2013 LH 10 8.5 124°.73 0°.9/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.45	+ 5 12.2	2.455	3.337	9.8	22.0
9 18	1 11.05	+ 4 32.0	2.398	3.346	6.7	21.8
9 28	1 4.42	+ 3 45.7	2.367	3.355	3.4	21.6
10 8	0 57.16	+ 2 57.5	2.365	3.363	0.9	21.4
10 18	0 49.96	+ 2 11.6	2.393	3.372	3.7	21.7
10 28	0 43.51	+ 1 32.5	2.450	3.380	6.9	21.9
11 7	0 38.36	+ 1 3.5	2.533	3.388	9.8	22.1
11 17	0 34.90	+ 0 46.7	2.639	3.396	12.2	22.3

100695 1997 YK_{11} 10 8.5 239°.34 4°.9/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.19	+18 29.6	1.461	2.315	16.7	20.0
9 18	1 16.76	+18 45.2	1.391	2.311	12.9	19.8
9 28	1 7.81	+18 38.4	1.341	2.306	8.8	19.5
10 8	0 57.35	+18 9.7	1.316	2.302	5.3	19.3
10 18	0 46.69	+17 23.1	1.316	2.297	5.8	19.4
10 28	0 37.30	+16 26.6	1.343	2.292	9.6	19.6
11 7	0 30.32	+15 29.7	1.394	2.287	13.8	19.8
11 17	0 26.40	+14 40.7	1.465	2.282	17.5	20.0

442385 2011 UD_{22} 10 8.5 318°.26 2°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.14	+14 43.8	1.857	2.717	13.4	21.1
9 18	1 13.40	+14 37.3	1.787	2.716	10.0	20.9
9 28	1 5.84	+14 15.2	1.741	2.715	6.2	20.7
10 8	0 57.24	+13 39.7	1.721	2.714	2.9	20.4
10 18	0 48.59	+12 55.2	1.729	2.713	4.1	20.5
10 28	0 40.90	+12 7.9	1.764	2.712	7.8	20.8
11 7	0 35.00	+11 24.2	1.825	2.711	11.4	21.0
11 17	0 31.42	+10 49.5	1.908	2.710	14.6	21.2

111953 2002 GD_{62} 10 8.5 358°.83 2°.8/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.04	+ 4 16.2	0.925	1.852	17.4	18.0
9 18	1 10.77	+ 3 9.1	0.879	1.847	12.1	17.7
9 28	1 4.75	+ 1 47.7	0.851	1.844	6.2	17.4
10 8	0 57.19	+ 0 23.6	0.846	1.843	3.0	17.2
10 18	0 49.63	− 0 50.2	0.862	1.843	7.9	17.5
10 28	0 43.69	− 1 42.1	0.899	1.845	13.7	17.8
11 7	0 40.50	− 2 5.8	0.956	1.848	18.7	18.1
11 17	0 40.59	− 2 0.4	1.028	1.853	22.8	18.4

449493 2014 FT_{52} 10 8.5 102°.27 6°.9/ 6.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.56	− 9 43.4	1.012	1.908	19.1	20.4
9 18	1 29.30	− 9 16.7	0.965	1.913	14.1	20.1
9 28	1 14.42	− 8 35.8	0.939	1.918	9.0	19.9
10 8	0 57.69	− 7 34.5	0.937	1.923	6.9	19.8
10 18	0 41.36	− 6 11.5	0.962	1.928	10.3	20.0
10 28	0 27.59	− 4 29.5	1.012	1.933	15.3	20.3
11 7	0 17.73	− 2 34.0	1.084	1.938	20.0	20.6
11 17	0 12.23	− 0 30.4	1.173	1.942	23.7	20.9

345848 2007 OX_2 10 8.5 49°.45 8°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.10	+29 37.1	1.417	2.224	19.6	19.8
9 18	1 14.37	+29 38.1	1.374	2.250	16.1	19.6
9 28	1 6.36	+29 4.8	1.350	2.277	12.5	19.5
10 8	0 57.27	+27 58.5	1.348	2.304	9.4	19.4
10 18	0 48.45	+26 25.2	1.369	2.332	8.3	19.4
10 28	0 41.22	+24 36.1	1.417	2.360	9.8	19.6
11 7	0 36.46	+22 44.0	1.488	2.388	12.7	19.8
11 17	0 34.58	+21 0.2	1.582	2.416	15.6	20.1

293932 2007 TO_6 10 8.5 32°.72 6°.9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.83	+23 55.7	1.692	2.512	16.3	19.9
9 18	1 16.30	+24 41.3	1.625	2.515	13.2	19.7
9 28	1 7.49	+25 4.0	1.579	2.518	10.0	19.5
10 8	0 57.34	+25 2.2	1.557	2.522	7.5	19.4
10 18	0 47.05	+24 37.7	1.561	2.526	7.2	19.4
10 28	0 37.92	+23 56.2	1.591	2.530	9.3	19.5
11 7	0 30.99	+23 6.2	1.646	2.534	12.3	19.7
11 17	0 26.86	+22 16.3	1.723	2.539	15.3	19.9

392806 2012 TT_{213} 10 8.5 294°.84 2°.6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.23	+13 45.9	1.619	2.489	14.6	20.8
9 18	1 14.46	+13 44.1	1.545	2.480	10.8	20.6
9 28	1 6.52	+13 25.6	1.494	2.471	6.6	20.3
10 8	0 57.30	+12 52.7	1.467	2.462	2.9	20.1
10 18	0 47.90	+12 10.1	1.468	2.453	4.5	20.2
10 28	0 39.55	+11 24.6	1.496	2.445	8.8	20.4
11 7	0 33.25	+10 43.6	1.548	2.437	13.0	20.6
11 17	0 29.61	+10 12.9	1.621	2.428	16.5	20.9

320228 2007 JC_3 10 8.5 109°.14 2°.3/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.17	− 0 37.9	2.491	3.380	9.4	21.1
9 18	1 12.19	− 1 8.9	2.443	3.393	6.5	21.0
9 28	1 4.99	− 1 41.4	2.421	3.407	3.6	20.8
10 8	0 57.22	− 2 11.3	2.427	3.420	2.4	20.8
10 18	0 49.54	− 2 35.0	2.464	3.432	4.6	20.9
10 28	0 42.65	− 2 49.3	2.529	3.445	7.5	21.1
11 7	0 37.09	− 2 52.2	2.621	3.457	10.1	21.3
11 17	0 33.24	− 2 43.0	2.734	3.469	12.3	21.5

30032 Kuszmaul 10 8.5 191°.64 0°.2/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.75	+ 9 10.6	1.820	2.697	12.9	20.6
9 18	1 14.50	+ 8 33.7	1.752	2.696	9.1	20.4
9 28	1 6.41	+ 7 44.4	1.709	2.694	4.9	20.1
10 8	0 57.30	+ 6 47.3	1.693	2.692	0.4	19.8
10 18	0 48.15	+ 5 48.5	1.706	2.690	4.2	20.1
10 28	0 40.02	+ 4 54.8	1.747	2.686	8.5	20.3
11 7	0 33.72	+ 4 12.0	1.813	2.683	12.3	20.6
11 17	0 29.78	+ 3 43.9	1.900	2.679	15.5	20.8

481917 2009 BY_{75} 10 8.5 329°.75 8°.4/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.43	−10 16.4	1.372	2.289	13.6	20.2
9 18	1 11.22	−12 1.9	1.320	2.274	10.4	20.0
9 28	1 4.84	−13 42.4	1.290	2.259	8.5	19.8
10 8	0 57.22	−15 5.6	1.284	2.246	9.2	19.8
10 18	0 49.53	−16 1.8	1.302	2.233	12.0	19.9
10 28	0 43.00	−16 24.9	1.342	2.221	15.4	20.1
11 7	0 38.60	−16 14.3	1.401	2.210	18.7	20.3
11 17	0 36.89	−15 33.0	1.476	2.199	21.5	20.5

170913 2004 XH_{121} 10 8.5 310°.23 6°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.77	+21 9.6	1.261	2.118	18.7	19.8
9 18	1 14.70	+21 18.8	1.189	2.108	14.8	19.5
9 28	1 6.88	+20 59.1	1.137	2.098	10.5	19.3
10 8	0 57.34	+20 10.5	1.106	2.089	6.8	19.0
10 18	0 47.52	+18 57.8	1.099	2.080	6.8	19.0
10 28	0 39.04	+17 31.3	1.117	2.071	10.5	19.2
11 7	0 33.17	+16 4.1	1.157	2.062	15.0	19.4
11 17	0 30.65	+14 47.2	1.217	2.054	19.1	19.7

12575 Palmaria 10 8.5 319°.20 1°.8/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.81	+ 4 22.4	1.264	2.169	15.3	17.9
9 18	1 14.46	+ 3 42.5	1.202	2.160	10.7	17.6
9 28	1 6.62	+ 2 51.6	1.162	2.152	5.6	17.3
10 8	0 57.32	+ 1 57.0	1.146	2.144	1.8	17.1
10 18	0 47.91	+ 1 7.3	1.156	2.136	6.4	17.4
10 28	0 39.83	+ 0 30.7	1.190	2.129	11.6	17.6
11 7	0 34.18	+ 0 13.0	1.245	2.123	16.3	17.9
11 17	0 31.57	+ 0 16.4	1.319	2.116	20.2	18.1

231782 2000 CV_{14} 10 8.5 280°.12 1°.3/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.28	+ 5 1.1	1.867	2.757	12.0	21.1
9 18	1 12.90	+ 4 14.4	1.783	2.734	8.4	20.8
9 28	1 5.66	+ 3 17.9	1.723	2.711	4.4	20.5
10 8	0 57.28	+ 2 17.1	1.690	2.688	1.3	20.3
10 18	0 48.67	+ 1 18.2	1.686	2.665	5.0	20.5
10 28	0 40.87	+ 0 28.1	1.709	2.641	9.3	20.7
11 7	0 34.75	− 0 7.9	1.757	2.617	13.2	20.9
11 17	0 30.91	− 0 26.5	1.825	2.593	16.5	21.1

344978 2004 XX_{118} 10 8.5 291°.31 3°.5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.99	+16 54.1	1.690	2.547	14.6	21.4
9 18	1 13.68	+16 47.3	1.601	2.526	11.2	21.1
9 28	1 6.19	+16 20.7	1.534	2.504	7.3	20.9
10 8	0 57.31	+15 35.8	1.492	2.482	3.9	20.6
10 18	0 48.11	+14 36.7	1.477	2.461	4.8	20.6
10 28	0 39.80	+13 31.0	1.489	2.439	8.7	20.8
11 7	0 33.44	+12 27.3	1.525	2.417	12.9	21.0
11 17	0 29.71	+11 33.2	1.584	2.396	16.6	21.2

12890 1998 QG_{43} 10 8.5 178°.11 3°.9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.17	− 3 29.4	2.197	3.097	10.0	17.6
9 18	1 10.32	− 4 44.6	2.143	3.097	7.0	17.4
9 28	1 4.11	− 6 0.5	2.115	3.097	4.5	17.3
10 8	0 57.19	− 7 10.6	2.116	3.097	4.2	17.3
10 18	0 50.30	− 8 9.2	2.144	3.097	6.5	17.4
10 28	0 44.18	− 8 51.4	2.200	3.097	9.4	17.6
11 7	0 39.46	− 9 15.1	2.280	3.097	12.1	17.8
11 17	0 36.55	− 9 19.7	2.380	3.097	14.4	18.0

101543 1998 YK_{21} 10 8.5 348°.13 0°.5/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.35	+ 6 39.0	1.885	2.775	11.8	19.8
9 18	1 10.69	+ 6 5.3	1.819	2.770	8.3	19.6
9 28	1 4.40	+ 5 22.2	1.777	2.766	4.3	19.3
10 8	0 57.21	+ 4 34.4	1.762	2.761	0.5	19.0
10 18	0 49.99	+ 3 47.4	1.775	2.758	4.3	19.3
10 28	0 43.63	+ 3 7.1	1.815	2.755	8.3	19.6
11 7	0 38.88	+ 2 38.3	1.880	2.752	11.9	19.8
11 17	0 36.22	+ 2 23.6	1.966	2.750	14.9	20.0

386680 2009 VS_{57} 10 8.5 329°.09 2°.9/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.39	+ 2 23.4	1.201	2.115	15.3	20.8
9 18	1 12.89	+ 1 35.3	1.137	2.099	10.7	20.5
9 28	1 5.86	+ 0 37.6	1.094	2.085	5.7	20.1
10 8	0 57.30	− 0 21.3	1.075	2.071	3.0	19.9
10 18	0 48.55	− 1 12.0	1.080	2.058	7.3	20.2
10 28	0 41.08	− 1 45.7	1.109	2.046	12.5	20.4
11 7	0 36.05	− 1 57.0	1.158	2.035	17.3	20.7
11 17	0 34.10	− 1 44.5	1.224	2.025	21.2	20.9

380786 2005 VF_{88} 10 8.5 293°.55 3°.8/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.52	− 7 47.9	2.933	3.827	8.0	20.9
9 18	1 9.65	− 8 28.1	2.867	3.814	5.8	20.8
9 28	1 3.71	− 9 6.0	2.827	3.801	4.1	20.6
10 8	0 57.19	− 9 37.3	2.815	3.788	4.0	20.6
10 18	0 50.63	− 9 58.9	2.833	3.775	5.7	20.7
10 28	0 44.62	−10 7.8	2.878	3.762	7.9	20.8
11 7	0 39.67	−10 3.0	2.949	3.749	10.1	21.0
11 17	0 36.15	− 9 44.4	3.040	3.736	12.0	21.1

243490 2009 UF_{19} 10 8.5 24°.82 2°.9/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 11.52	− 7 58.9	4.064	4.954	6.0	19.5
9 18	1 7.31	− 8 28.9	4.010	4.956	4.4	19.4
9 28	1 2.40	− 8 56.7	3.984	4.957	3.1	19.3
10 8	0 57.13	− 9 19.6	3.988	4.959	3.0	19.3
10 18	0 51.88	− 9 35.5	4.020	4.960	4.2	19.4
10 28	0 47.03	− 9 42.7	4.082	4.962	5.9	19.5
11 7	0 42.92	− 9 40.1	4.169	4.963	7.5	19.6
11 17	0 39.82	− 9 27.6	4.279	4.965	8.9	19.7

399885 2005 WY_{21} 10 8.6 68°.31 3°.5/ 5.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.17	− 3 25.6	2.015	2.911	10.9	21.1
9 18	1 13.14	− 4 1.0	1.966	2.919	7.6	20.9
9 28	1 5.59	− 4 35.8	1.944	2.928	4.6	20.8
10 8	0 57.30	− 5 4.9	1.949	2.936	3.7	20.7
10 18	0 49.11	− 5 23.8	1.982	2.944	6.1	20.9
10 28	0 41.89	− 5 29.0	2.042	2.953	9.3	21.1
11 7	0 36.30	− 5 19.1	2.127	2.961	12.2	21.3
11 17	0 32.75	− 4 54.3	2.232	2.969	14.7	21.5

31828 1999 VU_{199} 10 8.6 113°.53 5°.3/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.78	−11 4.9	2.562	3.454	9.0	17.9
9 18	1 11.20	−12 19.8	2.531	3.472	6.8	17.8
9 28	1 4.48	−13 28.8	2.528	3.490	5.4	17.8
10 8	0 57.25	−14 26.3	2.553	3.507	5.7	17.8
10 18	0 50.14	−15 8.1	2.606	3.524	7.3	17.9
10 28	0 43.81	−15 31.6	2.685	3.540	9.4	18.1
11 7	0 38.78	−15 36.5	2.789	3.556	11.4	18.3
11 17	0 35.37	−15 23.8	2.912	3.572	13.1	18.5

131144 2001 BF_{63} 10 8.6 257°.91 5°.1/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.09	− 4 36.1	1.810	2.715	11.5	19.6
9 18	1 11.98	− 6 11.0	1.750	2.705	8.2	19.3
9 28	1 5.12	− 7 47.1	1.715	2.694	5.6	19.2
10 8	0 57.29	− 9 15.7	1.707	2.684	5.6	19.2
10 18	0 49.40	−10 28.6	1.726	2.673	8.3	19.3
10 28	0 42.43	−11 19.5	1.771	2.662	11.6	19.5
11 7	0 37.17	−11 45.7	1.839	2.651	14.8	19.7
11 17	0 34.13	−11 47.3	1.925	2.640	17.4	19.8

231692 1997 WK_{14} 10 8.6 276°.66 2°.5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 10.81	− 6 52.9	4.418	5.308	5.6	20.3
9 18	1 6.80	− 7 21.8	4.359	5.306	4.0	20.2
9 28	1 2.13	− 7 49.2	4.327	5.303	2.7	20.1
10 8	0 57.13	− 8 12.6	4.325	5.300	2.6	20.1
10 18	0 52.13	− 8 30.1	4.353	5.297	3.8	20.2
10 28	0 47.49	− 8 39.9	4.410	5.294	5.4	20.3
11 7	0 43.52	− 8 41.0	4.493	5.292	6.9	20.4
11 17	0 40.46	− 8 33.0	4.599	5.289	8.2	20.5

478932 2012 XO_{14} 10 8.6 339°.88 9°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.97	+29 39.9	1.427	2.237	19.3	20.7
9 18	1 12.65	+30 11.1	1.351	2.227	16.4	20.5
9 28	1 5.79	+30 9.6	1.294	2.218	13.2	20.3
10 8	0 57.34	+29 32.8	1.258	2.209	10.5	20.1
10 18	0 48.61	+28 22.6	1.244	2.202	9.5	20.0
10 28	0 41.12	+26 47.1	1.254	2.195	11.0	20.1
11 7	0 36.05	+24 59.1	1.287	2.190	14.0	20.2
11 17	0 34.11	+23 11.6	1.341	2.185	17.3	20.4

50997 2000 GB_{97} 10 8.6 130°.57 1°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.22	+12 44.0	2.010	2.875	12.3	19.0
9 18	1 12.59	+12 12.5	1.946	2.881	8.9	18.8
9 28	1 5.38	+11 27.2	1.907	2.887	5.1	18.6
10 8	0 57.32	+10 31.9	1.895	2.892	1.6	18.4
10 18	0 49.28	+ 9 31.7	1.912	2.898	3.6	18.6
10 28	0 42.17	+ 8 33.1	1.958	2.903	7.4	18.8
11 7	0 36.69	+ 7 41.8	2.029	2.908	10.8	19.0
11 17	0 33.30	+ 7 2.3	2.124	2.913	13.8	19.2

204546 2005 EW_{187} 10 8.6 183°.03 0°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.87	+ 8 30.2	2.392	3.262	10.4	21.4
9 18	1 12.86	+ 7 56.6	2.322	3.263	7.4	21.2
9 28	1 5.47	+ 7 14.0	2.278	3.263	3.9	21.0
10 8	0 57.33	+ 6 26.1	2.263	3.262	0.3	20.7
10 18	0 49.17	+ 5 37.1	2.278	3.261	3.4	21.0
10 28	0 41.77	+ 4 52.1	2.323	3.260	6.9	21.2
11 7	0 35.77	+ 4 15.3	2.395	3.257	10.0	21.4
11 17	0 31.59	+ 3 49.7	2.489	3.254	12.6	21.6

489065 2005 YO_{234} 10 8.6 249°.23 0°.6/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.92	+ 6 2.0	2.412	3.291	10.0	22.8
9 18	1 11.56	+ 5 29.1	2.333	3.280	7.0	22.6
9 28	1 4.82	+ 4 48.9	2.281	3.268	3.6	22.4
10 8	0 57.29	+ 4 5.1	2.258	3.257	0.6	22.1
10 18	0 49.68	+ 3 22.0	2.264	3.245	3.7	22.4
10 28	0 42.74	+ 2 44.2	2.299	3.232	7.2	22.6
11 7	0 37.12	+ 2 15.6	2.360	3.220	10.3	22.8
11 17	0 33.25	+ 1 58.8	2.445	3.207	12.9	22.9

46821 1998 MV_{31} 10 8.6 85°.45 8°.7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.66	−13 10.0	1.426	2.327	14.2	18.0
9 18	1 16.54	−14 31.4	1.404	2.347	11.0	17.9
9 28	1 7.41	−15 39.8	1.406	2.367	8.9	17.8
10 8	0 57.42	−16 25.9	1.432	2.386	9.1	17.9
10 18	0 47.83	−16 44.0	1.482	2.406	11.4	18.1
10 28	0 39.82	−16 32.4	1.557	2.425	14.3	18.3
11 7	0 34.16	−15 53.8	1.651	2.443	17.0	18.5
11 17	0 31.21	−14 52.8	1.762	2.461	19.3	18.8

521974 2015 VK_{162} 10 8.6 26°98 6°0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.05	−10 6.2	1.843	2.743	11.6	20.3
9 18	1 13.15	−10 48.7	1.802	2.750	8.6	20.2
9 28	1 5.63	−11 24.5	1.786	2.757	6.4	20.1
10 8	0 57.33	−11 47.3	1.796	2.765	6.3	20.1
10 18	0 49.18	−11 52.8	1.833	2.773	8.4	20.2
10 28	0 42.10	−11 38.5	1.895	2.782	11.2	20.4
11 7	0 36.80	−11 4.7	1.980	2.791	13.9	20.6
11 17	0 33.67	−10 13.5	2.084	2.800	16.2	20.8

351118 2003 WE_{3} 10 8.6 317°99 2°7/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.89	+15 48.8	1.521	2.393	15.2	20.8
9 18	1 11.58	+15 18.7	1.441	2.376	11.4	20.6
9 28	1 5.11	+14 26.5	1.383	2.359	7.1	20.3
10 8	0 57.31	+13 15.4	1.349	2.343	3.2	20.0
10 18	0 49.30	+11 52.2	1.341	2.328	4.6	20.1
10 28	0 42.30	+10 26.5	1.360	2.313	9.1	20.3
11 7	0 37.32	+ 9 8.1	1.402	2.299	13.5	20.5
11 17	0 35.00	+ 8 4.7	1.466	2.285	17.4	20.7

425687 2011 AQ_{53} 10 8.6 256°34 5°7/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.39	− 5 56.1	1.558	2.462	13.1	21.1
9 18	1 15.24	− 7 2.9	1.497	2.451	9.5	20.8
9 28	1 6.94	− 8 8.5	1.460	2.440	6.4	20.6
10 8	0 57.42	− 9 4.3	1.449	2.429	6.1	20.6
10 18	0 47.83	− 9 42.4	1.465	2.417	9.0	20.7
10 28	0 39.38	− 9 57.4	1.505	2.405	12.7	20.9
11 7	0 33.04	− 9 47.8	1.568	2.393	16.3	21.1
11 17	0 29.36	− 9 14.9	1.648	2.381	19.3	21.3

349288 2007 TP_{377} 10 8.6 245°47 1°3/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.74	+ 3 44.3	1.927	2.816	11.7	21.5
9 18	1 13.76	+ 3 15.7	1.859	2.810	8.2	21.3
9 28	1 6.05	+ 2 40.7	1.816	2.804	4.2	21.0
10 8	0 57.37	+ 2 3.7	1.800	2.798	1.4	20.8
10 18	0 48.64	+ 1 30.1	1.813	2.792	4.8	21.0
10 28	0 40.82	+ 1 4.8	1.854	2.786	8.7	21.3
11 7	0 34.69	+ 0 51.5	1.919	2.779	12.3	21.5
11 17	0 30.76	+ 0 52.4	2.007	2.773	15.2	21.7

100886 1998 HR_{108} 10 8.6 85°10 5°4/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.01	− 4 19.8	1.398	2.303	14.1	19.1
9 18	1 16.12	− 5 32.1	1.369	2.325	10.0	19.0
9 28	1 7.21	− 6 42.0	1.363	2.346	6.3	18.8
10 8	0 57.42	− 7 40.5	1.384	2.367	5.7	18.8
10 18	0 48.00	− 8 20.1	1.430	2.388	8.6	19.1
10 28	0 40.10	− 8 36.6	1.502	2.408	12.3	19.3
11 7	0 34.52	− 8 29.4	1.595	2.428	15.7	19.6
11 17	0 31.63	− 8 0.7	1.707	2.448	18.4	19.9

312696 2010 OK_{14} 10 8.6 58°45 2°8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.83	+14 31.5	1.991	2.846	12.8	20.5
9 18	1 14.50	+14 44.7	1.925	2.851	9.6	20.3
9 28	1 6.43	+14 44.2	1.883	2.855	6.0	20.1
10 8	0 57.39	+14 31.5	1.868	2.860	3.0	19.9
10 18	0 48.32	+14 9.6	1.881	2.865	4.0	20.0
10 28	0 40.19	+13 43.3	1.923	2.869	7.4	20.2
11 7	0 33.80	+13 18.1	1.991	2.874	10.8	20.5
11 17	0 29.65	+12 58.6	2.081	2.879	13.7	20.7

481601 2007 TU_{319} 10 8.6 0°74 0°7/ 9.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.83	+11 12.6	1.389	2.282	15.1	20.7
9 18	1 10.75	+10 21.8	1.330	2.280	10.8	20.5
9 28	1 4.60	+ 9 12.6	1.292	2.279	5.9	20.2
10 8	0 57.29	+ 7 51.6	1.280	2.278	0.9	19.9
10 18	0 49.97	+ 6 27.5	1.293	2.279	4.7	20.2
10 28	0 43.83	+ 5 10.4	1.332	2.281	9.7	20.4
11 7	0 39.77	+ 4 8.5	1.393	2.283	14.0	20.7
11 17	0 38.30	+ 3 26.7	1.475	2.287	17.7	21.0

187987 2001 RJ_{43} 10 8.6 52°58 2°4/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.14	+ 3 28.9	1.259	2.165	15.3	20.3
9 18	1 14.34	+ 2 31.3	1.224	2.183	10.5	20.1
9 28	1 6.37	+ 1 25.8	1.211	2.201	5.4	19.9
10 8	0 57.38	+ 0 21.1	1.223	2.220	2.5	19.7
10 18	0 48.69	− 0 34.2	1.261	2.239	6.5	20.0
10 28	0 41.53	− 1 12.7	1.324	2.258	11.2	20.4
11 7	0 36.75	− 1 30.8	1.408	2.278	15.2	20.7
11 17	0 34.75	− 1 27.8	1.511	2.297	18.5	21.0

33880 2000 JD_{65} 10 8.6 177°18 3°4/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.19	− 1 21.9	2.081	2.973	10.8	19.4
9 18	1 13.89	− 2 30.9	2.024	2.975	7.5	19.2
9 28	1 6.04	− 3 42.4	1.993	2.977	4.4	19.1
10 8	0 57.38	− 4 49.8	1.991	2.979	3.6	19.0
10 18	0 48.76	− 5 47.1	2.018	2.979	6.2	19.2
10 28	0 41.05	− 6 29.2	2.074	2.979	9.5	19.4
11 7	0 34.94	− 6 53.2	2.154	2.978	12.5	19.6
11 17	0 30.89	− 6 58.7	2.254	2.976	15.0	19.8

329874 2005 AR_{26} 10 8.6 289°86 4°7/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 15.97	− 6 54.1	2.245	3.144	9.8	20.7
9 18	1 11.01	− 7 59.8	2.173	3.123	7.2	20.5
9 28	1 4.58	− 9 4.3	2.127	3.103	5.1	20.3
10 8	0 57.31	−10 1.6	2.109	3.082	5.1	20.3
10 18	0 49.92	−10 45.8	2.119	3.061	7.3	20.4
10 28	0 43.23	−11 12.7	2.155	3.041	10.1	20.5
11 7	0 37.92	−11 20.1	2.215	3.020	12.8	20.7
11 17	0 34.45	−11 8.0	2.295	2.999	15.2	20.8

488553 2001 TC_{253} 10 8.6 344°37 2°9/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.17	− 3 40.3	2.419	3.307	9.6	21.0
9 18	1 13.72	− 3 50.7	2.357	3.306	6.8	20.9
9 28	1 5.91	− 4 0.1	2.321	3.305	4.0	20.7
10 8	0 57.38	− 4 5.0	2.315	3.304	3.0	20.6
10 18	0 48.87	− 4 2.2	2.338	3.303	5.2	20.8
10 28	0 41.15	− 3 49.4	2.390	3.302	8.1	21.0
11 7	0 34.84	− 3 25.5	2.468	3.301	10.8	21.1
11 17	0 30.35	− 2 50.4	2.568	3.300	13.1	21.3

88391 2001 QU_{10} 10 8.6 50°35 3°1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.56	+14 7.0	1.350	2.224	16.6	18.9
9 18	1 16.20	+14 15.7	1.298	2.235	12.3	18.6
9 28	1 7.47	+14 5.4	1.268	2.245	7.5	18.4
10 8	0 57.46	+13 38.6	1.263	2.257	3.4	18.2
10 18	0 47.54	+13 0.8	1.283	2.268	5.0	18.3
10 28	0 39.08	+12 19.8	1.329	2.280	9.5	18.6
11 7	0 33.09	+11 43.6	1.398	2.292	13.7	18.9
11 17	0 30.08	+11 18.0	1.488	2.304	17.3	19.2

253802 2003 XQ_{23} 10 8.6 47°91 6°9/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.15	− 7 9.8	1.108	2.022	16.3	19.7
9 18	1 17.27	− 7 58.0	1.080	2.038	11.7	19.5
9 28	1 7.92	− 8 39.4	1.074	2.056	7.9	19.4
10 8	0 57.48	− 9 4.4	1.092	2.073	7.1	19.4
10 18	0 47.48	− 9 6.6	1.133	2.092	10.2	19.6
10 28	0 39.37	− 8 43.6	1.197	2.110	14.2	19.9
11 7	0 34.03	− 7 56.9	1.282	2.129	17.9	20.2
11 17	0 31.83	− 6 50.4	1.383	2.149	20.9	20.5

315149 2007 EF_{213} 10 8.6 191°56 1°9/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.78	+14 0.0	2.880	3.722	9.7	21.0
9 18	1 13.39	+14 3.8	2.800	3.720	7.2	20.8
9 28	1 5.74	+13 57.7	2.747	3.718	4.4	20.6
10 8	0 57.38	+13 43.2	2.723	3.715	2.1	20.5
10 18	0 48.95	+13 22.5	2.730	3.712	3.0	20.5
10 28	0 41.14	+12 59.0	2.767	3.709	5.7	20.7
11 7	0 34.54	+12 36.2	2.832	3.705	8.3	20.9
11 17	0 29.56	+12 17.6	2.923	3.701	10.7	21.0

322196 2010 XV_{78} 10 8.6 306°91 2°4/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 10.32	− 5 46.0	4.254	5.146	5.7	20.3
9 18	1 6.50	− 6 22.1	4.195	5.144	4.1	20.1
9 28	1 2.01	− 6 57.2	4.164	5.142	2.7	20.0
10 8	0 57.17	− 7 28.6	4.162	5.140	2.6	20.0
10 18	0 52.34	− 7 54.2	4.191	5.138	3.8	20.1
10 28	0 47.86	− 8 11.8	4.248	5.136	5.5	20.2
11 7	0 44.07	− 8 20.4	4.331	5.134	7.1	20.4
11 17	0 41.21	− 8 19.4	4.437	5.132	8.5	20.5

160939 2002 AJ_{2} 10 8.6 179°91 3°3/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 37.21	+ 9 30.5	1.158	2.032	18.8	18.7
9 18	1 27.23	+10 52.1	1.094	2.033	13.9	18.4
9 28	1 13.65	+12 3.0	1.053	2.033	8.3	18.1
10 8	0 57.83	+13 0.6	1.038	2.033	3.5	17.9
10 18	0 41.75	+13 43.9	1.050	2.033	6.3	18.0
10 28	0 27.56	+14 16.4	1.088	2.033	11.9	18.3
11 7	0 16.84	+14 44.1	1.149	2.032	16.9	18.6
11 17	0 10.34	+15 13.2	1.230	2.032	21.1	18.9

226304 2003 BE_{82} 10 8.6 308°58 1°5/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.93	+ 5 28.4	1.345	2.249	14.7	19.9
9 18	1 13.20	+ 4 39.3	1.271	2.229	10.4	19.6
9 28	1 6.06	+ 3 36.7	1.219	2.209	5.4	19.3
10 8	0 57.41	+ 2 27.8	1.191	2.189	1.6	19.0
10 18	0 48.49	+ 1 21.4	1.189	2.170	6.2	19.2
10 28	0 40.68	+ 0 27.0	1.212	2.151	11.5	19.5
11 7	0 35.11	− 0 8.3	1.256	2.133	16.2	19.7
11 17	0 32.47	− 0 20.9	1.319	2.116	20.2	19.9

118012 1313 $T\text{-}_{2}$ 10 8.6 352°48 2°8/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.39	+11 24.1	1.298	2.185	16.4	19.3
9 18	1 15.66	+11 59.3	1.234	2.178	12.1	19.1
9 28	1 7.35	+12 20.0	1.192	2.173	7.3	18.8
10 8	0 57.48	+12 27.2	1.173	2.169	3.0	18.5
10 18	0 47.43	+12 24.1	1.180	2.166	5.2	18.7
10 28	0 38.70	+12 16.5	1.211	2.164	10.0	18.9
11 7	0 32.46	+12 10.9	1.265	2.163	14.6	19.2
11 17	0 29.37	+12 12.9	1.339	2.163	18.5	19.5

366629 2003 SA_{44} 10 8.6 5°.99 4°.9/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 16.79	+21 38.3	1.899	2.732	14.3	20.3
9 18	1 11.84	+21 44.6	1.829	2.733	11.3	20.1
9 28	1 5.10	+21 30.4	1.781	2.734	8.1	19.9
10 8	0 57.36	+20 56.7	1.758	2.735	5.5	19.8
10 18	0 49.54	+20 6.9	1.761	2.737	5.3	19.8
10 28	0 42.67	+19 7.4	1.792	2.740	7.7	19.9
11 7	0 37.54	+18 5.7	1.848	2.743	10.9	20.1
11 17	0 34.68	+17 8.7	1.927	2.746	13.8	20.3

280382 2003 UM_{97} 10 8.6 300°.98 7°.8/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 33.94	−11 52.1	1.300	2.191	16.0	19.8
9 18	1 24.88	−11 52.7	1.219	2.162	12.3	19.5
9 28	1 12.45	−11 39.8	1.160	2.132	8.9	19.3
10 8	0 57.78	−11 4.8	1.127	2.103	8.0	19.1
10 18	0 42.59	−10 2.2	1.120	2.074	10.9	19.2
10 28	0 28.82	− 8 31.4	1.139	2.045	15.4	19.4
11 7	0 18.03	− 6 36.4	1.181	2.016	19.9	19.6
11 17	0 11.07	− 4 23.6	1.241	1.988	23.8	19.8

338584 2003 SA_{134} 10 8.6 301°.04 4°.0/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 31.82	+13 20.7	1.704	2.554	14.9	19.7
9 18	1 22.75	+14 35.0	1.626	2.548	11.3	19.5
9 28	1 11.06	+15 37.9	1.573	2.542	7.3	19.2
10 8	0 57.71	+16 27.5	1.547	2.536	4.2	19.0
10 18	0 44.01	+17 3.1	1.552	2.531	5.4	19.1
10 28	0 31.45	+17 27.2	1.586	2.525	9.3	19.3
11 7	0 21.22	+17 44.8	1.645	2.520	13.1	19.6
11 17	0 14.07	+18 1.2	1.728	2.515	16.5	19.8

132786 2002 PB_{132} 10 8.6 352°.95 1°.0/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.49	+ 4 12.4	2.146	3.033	10.7	19.0
9 18	1 12.03	+ 3 50.8	2.081	3.032	7.5	18.8
9 28	1 5.10	+ 3 23.5	2.042	3.030	3.8	18.6
10 8	0 57.37	+ 2 54.3	2.031	3.029	1.0	18.4
10 18	0 49.62	+ 2 27.3	2.049	3.029	4.1	18.6
10 28	0 42.68	+ 2 7.0	2.095	3.028	7.7	18.9
11 7	0 37.23	+ 1 56.5	2.166	3.028	10.9	19.1
11 17	0 33.71	+ 1 57.9	2.259	3.028	13.7	19.3

175293 2005 LD_{23} 10 8.6 255°.37 4°.3/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.87	+20 25.5	2.070	2.901	13.4	20.4
9 18	1 13.25	+20 25.1	1.987	2.892	10.5	20.2
9 28	1 5.86	+20 6.1	1.928	2.884	7.3	20.0
10 8	0 57.41	+19 29.3	1.894	2.875	4.7	19.8
10 18	0 48.82	+18 38.1	1.888	2.865	4.8	19.8
10 28	0 41.05	+17 38.1	1.910	2.856	7.4	19.9
11 7	0 34.94	+16 36.7	1.958	2.847	10.7	20.1
11 17	0 31.03	+15 40.2	2.030	2.837	13.7	20.3

102414 1999 TA_{182} 10 8.6 293°.27 2°.1/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.64	+11 48.9	1.673	2.545	14.1	19.9
9 18	1 15.56	+11 57.7	1.589	2.526	10.4	19.7
9 28	1 7.24	+11 52.9	1.528	2.507	6.2	19.4
10 8	0 57.50	+11 36.1	1.492	2.488	2.3	19.1
10 18	0 47.43	+11 11.1	1.484	2.470	4.4	19.2
10 28	0 38.30	+10 43.6	1.504	2.451	8.9	19.4
11 7	0 31.16	+10 19.9	1.547	2.433	13.2	19.6
11 17	0 26.70	+10 5.4	1.612	2.414	16.9	19.8

373618 2002 FM 10 8.6 99°.02 3°.6/13.3 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.42	+21 34.7	3.012	3.811	10.4	22.3
9 18	1 15.05	+21 44.3	2.960	3.844	8.1	22.1
9 28	1 6.52	+21 40.2	2.933	3.876	5.8	22.0
10 8	0 57.45	+21 23.2	2.936	3.908	3.9	22.0
10 18	0 48.49	+20 55.7	2.969	3.938	3.9	22.0
10 28	0 40.33	+20 21.1	3.033	3.968	5.5	22.1
11 7	0 33.49	+19 43.8	3.126	3.998	7.6	22.3
11 17	0 28.32	+19 8.0	3.244	4.026	9.6	22.5

159115 2004 VJ_{19} 10 8.6 355°.95 2°.4/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.47	+ 0 48.6	1.730	2.631	12.1	19.5
9 18	1 12.28	+ 0 19.8	1.672	2.628	8.4	19.3
9 28	1 5.31	− 0 13.0	1.637	2.626	4.5	19.1
10 8	0 57.38	− 0 44.2	1.629	2.624	2.5	18.9
10 18	0 49.45	− 1 8.6	1.648	2.623	5.7	19.1
10 28	0 42.51	− 1 21.3	1.693	2.622	9.6	19.4
11 7	0 37.36	− 1 19.4	1.762	2.622	13.1	19.6
11 17	0 34.48	− 1 2.0	1.851	2.623	16.1	19.8

302626 2002 RU_{4} 10 8.6 350°.72 6°.3/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.81	+24 37.4	1.665	2.490	16.3	20.6
9 18	1 12.82	+24 42.0	1.593	2.487	13.2	20.4
9 28	1 5.72	+24 20.5	1.541	2.485	9.8	20.2
10 8	0 57.41	+23 33.3	1.513	2.484	7.0	20.0
10 18	0 48.98	+22 24.3	1.510	2.482	6.5	20.0
10 28	0 41.64	+21 1.4	1.534	2.481	8.8	20.1
11 7	0 36.34	+19 34.6	1.582	2.480	12.1	20.3
11 17	0 33.66	+18 13.3	1.653	2.480	15.4	20.5

324737 2007 EA_{191} 10 8.6 40°.65 0°.5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 14.93	+ 7 49.6	2.073	2.957	11.2	20.5
9 18	1 10.26	+ 6 50.1	2.012	2.961	7.8	20.3
9 28	1 4.16	+ 5 40.4	1.977	2.965	4.0	20.1
10 8	0 57.32	+ 4 26.0	1.970	2.969	0.5	19.8
10 18	0 50.50	+ 3 13.1	1.991	2.973	4.0	20.1
10 28	0 44.51	+ 2 8.0	2.041	2.977	7.7	20.4
11 7	0 39.99	+ 1 15.7	2.116	2.982	11.0	20.6
11 17	0 37.36	+ 0 39.3	2.214	2.986	13.8	20.8

514327 2016 NU_{67} 10 8.6 333°.50 5°.7/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.82	− 3 15.4	1.244	2.161	14.6	21.0
9 18	1 13.05	− 4 35.3	1.191	2.153	10.4	20.7
9 28	1 5.90	− 5 57.6	1.160	2.145	6.6	20.5
10 8	0 57.42	− 7 11.3	1.153	2.138	6.1	20.4
10 18	0 48.89	− 8 6.3	1.170	2.132	9.5	20.6
10 28	0 41.70	− 8 35.2	1.211	2.126	13.9	20.8
11 7	0 36.86	− 8 35.4	1.271	2.121	17.9	21.1
11 17	0 34.93	− 8 8.2	1.349	2.116	21.3	21.3

339186 2004 TP_{162} 10 8.6 109°.26 4°.2/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.99	− 4 43.5	1.689	2.583	12.7	20.2
9 18	1 17.47	− 5 2.7	1.638	2.589	9.0	19.9
9 28	1 7.99	− 5 19.5	1.611	2.594	5.5	19.8
10 8	0 57.53	− 5 28.6	1.612	2.599	4.3	19.7
10 18	0 47.19	− 5 25.4	1.641	2.604	7.0	19.9
10 28	0 38.11	− 5 7.1	1.696	2.609	10.7	20.1
11 7	0 31.13	− 4 33.1	1.776	2.614	14.1	20.3
11 17	0 26.70	− 3 44.5	1.876	2.619	16.9	20.6

487074 2014 OV_{100} 10 8.6 331°.41 5°.3/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.40	− 5 22.8	1.873	2.782	10.9	20.1
9 18	1 9.38	− 7 1.5	1.814	2.770	7.9	19.9
9 28	1 3.78	− 8 40.7	1.781	2.759	5.6	19.7
10 8	0 57.30	−10 11.8	1.775	2.749	5.8	19.7
10 18	0 50.77	−11 26.8	1.796	2.739	8.3	19.8
10 28	0 45.07	−12 19.7	1.842	2.729	11.4	20.0
11 7	0 40.93	−12 47.9	1.910	2.720	14.4	20.2
11 17	0 38.80	−12 51.4	1.997	2.712	16.9	20.4

261758 2006 BV_{44} 10 8.6 197°.89 5°.1/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.31	− 9 57.9	2.425	3.318	9.4	20.3
9 18	1 11.74	−10 52.2	2.373	3.317	7.0	20.1
9 28	1 4.89	−11 41.9	2.348	3.316	5.3	20.0
10 8	0 57.36	−12 21.6	2.350	3.314	5.4	20.0
10 18	0 49.87	−12 47.1	2.381	3.313	7.2	20.1
10 28	0 43.14	−12 55.5	2.438	3.311	9.6	20.3
11 7	0 37.76	−12 46.1	2.519	3.309	11.9	20.4
11 17	0 34.12	−12 19.9	2.621	3.307	13.9	20.6

407020 2009 SA_{28} 10 8.6 308°.34 0°.5/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.66	+ 6 16.5	2.026	2.912	11.3	21.6
9 18	1 11.63	+ 5 47.4	1.949	2.898	8.0	21.3
9 28	1 4.98	+ 5 9.7	1.897	2.885	4.1	21.1
10 8	0 57.38	+ 4 27.5	1.872	2.871	0.5	20.8
10 18	0 49.66	+ 3 45.7	1.876	2.858	4.2	21.0
10 28	0 42.71	+ 3 9.7	1.907	2.845	8.1	21.2
11 7	0 37.30	+ 2 44.1	1.963	2.832	11.6	21.4
11 17	0 33.93	+ 2 31.7	2.041	2.819	14.6	21.6

386967 2011 YS_{34} 10 8.6 260°.16 1°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 10.87	+14 3.9	4.421	5.264	6.6	21.4
9 18	1 6.91	+13 51.5	4.338	5.259	4.8	21.3
9 28	1 2.26	+13 32.4	4.283	5.254	3.0	21.2
10 8	0 57.23	+13 8.0	4.256	5.249	1.4	21.0
10 18	0 52.17	+12 40.1	4.260	5.244	1.9	21.1
10 28	0 47.46	+12 11.0	4.295	5.239	3.7	21.2
11 7	0 43.41	+11 42.9	4.358	5.234	5.6	21.3
11 17	0 40.30	+11 18.1	4.447	5.229	7.2	21.5

82317 2001 KZ_{59} 10 8.6 32°.88 8°.7/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.73	− 6 53.0	0.952	1.883	16.5	17.2
9 18	1 11.54	− 9 7.2	0.940	1.904	12.0	17.0
9 28	1 4.96	−11 11.2	0.948	1.927	9.0	16.9
10 8	0 57.36	−12 49.6	0.979	1.952	9.4	17.0
10 18	0 50.22	−13 52.1	1.031	1.977	12.6	17.3
10 28	0 44.86	−14 14.9	1.104	2.004	16.3	17.6
11 7	0 42.07	−14 1.0	1.195	2.031	19.7	17.9
11 17	0 42.12	−13 16.3	1.301	2.059	22.4	18.2

346500 2008 UV_{86} 10 8.6 34°.94 0°.7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.55	+ 6 20.2	1.470	2.365	14.2	20.9
9 18	1 13.93	+ 5 46.7	1.416	2.370	10.0	20.7
9 28	1 6.24	+ 5 2.5	1.386	2.375	5.2	20.4
10 8	0 57.45	+ 4 13.5	1.381	2.380	0.7	20.1
10 18	0 48.72	+ 3 26.5	1.403	2.386	5.1	20.5
10 28	0 41.24	+ 2 48.6	1.451	2.392	9.8	20.7
11 7	0 35.89	+ 2 25.0	1.522	2.398	13.9	21.0
11 17	0 33.16	+ 2 18.3	1.613	2.405	17.3	21.3

170737 2004 BC_{95} 10 8.6 306°.37 1°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 15.17	+14 12.4	1.634	2.509	14.2	20.1
9 18	1 11.03	+13 10.6	1.542	2.482	10.4	19.8
9 28	1 4.86	+11 46.2	1.474	2.455	6.1	19.5
10 8	0 57.39	+10 3.7	1.431	2.429	1.7	19.1
10 18	0 49.64	+ 8 11.5	1.416	2.403	4.3	19.2
10 28	0 42.76	+ 6 20.3	1.428	2.377	9.2	19.5
11 7	0 37.73	+ 4 40.8	1.465	2.351	13.7	19.7
11 17	0 35.21	+ 3 20.7	1.523	2.326	17.6	19.9

304386 2006 SS_{394} 10 8.6 293°.43 0°.0/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.24	+ 8 37.1	1.836	2.720	12.4	21.4
9 18	1 12.21	+ 7 59.4	1.757	2.704	8.8	21.2
9 28	1 5.36	+ 7 9.4	1.701	2.688	4.7	20.9
10 8	0 57.43	+ 6 11.4	1.672	2.672	0.3	20.5
10 18	0 49.33	+ 5 11.5	1.672	2.655	4.3	20.8
10 28	0 42.07	+ 4 16.7	1.698	2.640	8.6	21.0
11 7	0 36.51	+ 3 33.1	1.749	2.624	12.5	21.3
11 17	0 33.21	+ 3 4.5	1.822	2.608	15.8	21.4

267146 2000 FS_{24} 10 8.6 239°.14 6°.2/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.70	− 8 36.6	1.769	2.667	12.1	20.7
9 18	1 15.31	− 9 47.1	1.707	2.655	9.0	20.5
9 28	1 6.97	−10 54.2	1.670	2.642	6.6	20.3
10 8	0 57.52	−11 49.5	1.660	2.629	6.6	20.3
10 18	0 48.00	−12 26.1	1.677	2.616	9.1	20.4
10 28	0 39.51	−12 39.3	1.719	2.602	12.4	20.6
11 7	0 32.92	−12 28.3	1.784	2.587	15.5	20.8
11 17	0 28.77	−11 54.5	1.866	2.572	18.2	20.9

148657 2001 SX_{124} 10 8.6 47°.66 4°.0/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.96	+17 4.1	1.384	2.250	16.8	19.7
9 18	1 15.12	+17 4.6	1.329	2.258	12.7	19.4
9 28	1 6.95	+16 42.7	1.295	2.267	8.2	19.2
10 8	0 57.52	+16 0.9	1.285	2.275	4.4	19.0
10 18	0 48.13	+15 5.2	1.301	2.285	5.2	19.1
10 28	0 40.12	+14 4.2	1.342	2.294	9.3	19.4
11 7	0 34.50	+13 7.3	1.407	2.304	13.4	19.6
11 17	0 31.78	+12 21.6	1.492	2.314	17.0	19.9

21182 1994 EC_{2} 10 8.6 338°.19 1°.6/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.85	+ 0 50.1	0.946	1.843	20.0	15.8
9 18	1 30.27	+ 3 16.9	0.869	1.820	14.7	15.4
9 28	1 15.92	+ 5 58.4	0.813	1.800	8.2	15.0
10 8	0 58.07	+ 8 49.0	0.782	1.781	1.7	14.5
10 18	0 39.01	+11 37.9	0.779	1.764	7.4	14.8
10 28	0 21.70	+14 15.3	0.802	1.749	14.6	15.2
11 7	0 8.50	+16 37.3	0.847	1.736	20.8	15.5
11 17	0 0.59	+18 45.6	0.910	1.726	25.7	15.8

106570 2000 WY_{89} 10 8.6 20°.83 10°.2/ 2.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.07	−16 39.1	1.277	2.178	15.5	18.1
9 18	1 17.17	−17 23.1	1.245	2.184	12.4	17.9
9 28	1 7.91	−17 49.6	1.234	2.191	10.4	17.8
10 8	0 57.57	−17 49.7	1.246	2.198	10.5	17.9
10 18	0 47.56	−17 19.2	1.282	2.206	12.7	18.0
10 28	0 39.25	−16 18.2	1.340	2.216	15.6	18.2
11 7	0 33.53	−14 51.2	1.417	2.225	18.6	18.4
11 17	0 30.82	−13 4.3	1.512	2.236	21.1	18.7

322200 2010 XC_{83} 10 8.6 0°.46 5°.8/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.97	− 9 33.2	1.945	2.845	11.0	19.7
9 18	1 12.45	−10 27.9	1.897	2.845	8.2	19.5
9 28	1 5.35	−11 17.2	1.873	2.844	6.1	19.4
10 8	0 57.43	−11 54.7	1.876	2.844	6.2	19.4
10 18	0 49.58	−12 15.2	1.906	2.844	8.3	19.5
10 28	0 42.68	−12 15.6	1.962	2.845	11.1	19.7
11 7	0 37.43	−11 55.6	2.040	2.846	13.8	19.9
11 17	0 34.27	−11 16.6	2.137	2.847	16.1	20.1

16156 2000 AP_{39} 10 8.6 106°.13 5°.0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.27	+25 40.1	2.553	3.344	12.2	17.9
9 18	1 12.48	+25 40.8	2.487	3.359	9.9	17.8
9 28	1 5.32	+25 23.3	2.444	3.374	7.5	17.6
10 8	0 57.44	+24 48.2	2.427	3.388	5.5	17.5
10 18	0 49.58	+23 58.3	2.439	3.402	5.1	17.5
10 28	0 42.54	+22 58.3	2.479	3.416	6.5	17.6
11 7	0 36.92	+21 54.4	2.546	3.429	8.7	17.8
11 17	0 33.13	+20 52.2	2.638	3.442	11.0	18.0

53986 2000 GH_{77} 10 8.6 16°.94 3°.2/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.86	− 1 28.9	1.690	2.589	12.5	18.8
9 18	1 14.65	− 1 53.5	1.636	2.591	8.7	18.6
9 28	1 6.57	− 2 19.4	1.606	2.593	4.9	18.4
10 8	0 57.51	− 2 41.2	1.603	2.595	3.3	18.3
10 18	0 48.50	− 2 53.8	1.627	2.598	6.3	18.5
10 28	0 40.61	− 2 53.1	1.678	2.601	10.1	18.8
11 7	0 34.66	− 2 37.3	1.752	2.604	13.6	19.0
11 17	0 31.12	− 2 6.2	1.847	2.608	16.5	19.2

487849 2015 TJ_{101} 10 8.6 268°.94 1°.5/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 15.73	+ 3 46.2	2.273	3.161	10.2	21.4
9 18	1 10.80	+ 2 56.1	2.201	3.153	7.0	21.2
9 28	1 4.49	+ 1 59.6	2.155	3.144	3.6	21.0
10 8	0 57.39	+ 1 1.5	2.138	3.134	1.6	20.8
10 18	0 50.24	+ 0 6.9	2.149	3.125	4.4	21.0
10 28	0 43.80	− 0 38.9	2.189	3.116	7.9	21.2
11 7	0 38.72	− 1 12.1	2.255	3.107	11.0	21.4
11 17	0 35.43	− 1 30.5	2.342	3.098	13.6	21.6

223980 2004 YM_{25} 10 8.6 296°.81 7°.6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.69	−15 53.5	2.172	3.065	10.4	19.4
9 18	1 10.87	−17 22.8	2.118	3.049	8.5	19.2
9 28	1 4.55	−18 43.6	2.089	3.034	7.6	19.2
10 8	0 57.40	−19 48.4	2.086	3.018	8.2	19.2
10 18	0 50.19	−20 31.5	2.109	3.002	10.1	19.3
10 28	0 43.76	−20 49.5	2.157	2.987	12.3	19.4
11 7	0 38.79	−20 42.1	2.225	2.972	14.6	19.5
11 17	0 35.74	−20 11.3	2.310	2.956	16.5	19.7

15659 2141 $T\text{-}_{2}$ 10 8.6 38°.84 0°.3/ 8.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.62	+ 8 18.0	1.796	2.678	12.8	17.9
9 18	1 13.76	+ 8 3.1	1.735	2.681	9.0	17.6
9 28	1 6.11	+ 7 37.9	1.699	2.684	4.9	17.4
10 8	0 57.49	+ 7 6.0	1.689	2.688	0.5	17.1
10 18	0 48.88	+ 6 32.4	1.707	2.692	4.1	17.4
10 28	0 41.30	+ 6 2.7	1.753	2.696	8.3	17.6
11 7	0 35.53	+ 5 41.6	1.824	2.700	12.0	17.9
11 17	0 32.06	+ 5 32.2	1.916	2.704	15.1	18.1

322965 2002 JR_{150} 10 8.6 98°.98 3°.6/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.62	+17 19.6	1.498	2.354	16.3	21.2
9 18	1 16.74	+17 5.0	1.449	2.373	12.2	21.0
9 28	1 7.70	+16 28.8	1.421	2.391	7.8	20.8
10 8	0 57.58	+15 34.1	1.419	2.409	4.0	20.6
10 18	0 47.65	+14 27.6	1.443	2.427	4.8	20.7
10 28	0 39.15	+13 18.0	1.495	2.444	8.8	21.0
11 7	0 32.98	+12 14.2	1.571	2.461	12.7	21.3
11 17	0 29.60	+11 22.8	1.669	2.477	16.1	21.6

390350 2013 CU_{141} 10 8.6 220°.49 0°.6/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 11.16	+10 23.9	4.535	5.392	6.1	21.5
9 18	1 7.10	+10 12.2	4.459	5.391	4.4	21.4
9 28	1 2.38	+ 9 55.5	4.409	5.389	2.5	21.3
10 8	0 57.30	+ 9 35.2	4.389	5.387	0.7	21.1
10 18	0 52.20	+ 9 13.1	4.400	5.385	1.8	21.2
10 28	0 47.44	+ 8 51.2	4.442	5.383	3.7	21.3
11 7	0 43.33	+ 8 31.6	4.512	5.381	5.5	21.5
11 17	0 40.12	+ 8 16.0	4.608	5.379	7.1	21.6

169907 2002 RS_{233} 10 8.6 228°.99 0°.3/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.24	+ 7 47.4	1.840	2.724	12.4	20.4
9 18	1 12.79	+ 7 7.5	1.775	2.723	8.7	20.2
9 28	1 5.61	+ 6 16.7	1.735	2.722	4.6	20.0
10 8	0 57.48	+ 5 19.9	1.722	2.721	0.3	19.6
10 18	0 49.33	+ 4 23.2	1.736	2.719	4.3	20.0
10 28	0 42.13	+ 3 33.1	1.779	2.718	8.4	20.2
11 7	0 36.66	+ 2 54.9	1.846	2.717	12.1	20.4
11 17	0 33.41	+ 2 31.8	1.935	2.715	15.2	20.6

481973 2009 FP_{22} 10 8.6 175°.33 3°.1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.57	− 1 54.4	2.383	3.276	9.6	22.0
9 18	1 11.96	− 3 0.0	2.326	3.278	6.7	21.8
9 28	1 5.05	− 4 7.3	2.296	3.280	4.0	21.6
10 8	0 57.45	− 5 10.7	2.295	3.281	3.3	21.6
10 18	0 49.88	− 6 5.0	2.323	3.282	5.6	21.8
10 28	0 43.07	− 6 45.7	2.380	3.282	8.5	21.9
11 7	0 37.61	− 7 10.4	2.462	3.282	11.2	22.1
11 17	0 33.90	− 7 18.3	2.565	3.282	13.5	22.3

356922 2012 CP_{5} 10 8.6 195°.20 4°.9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.78	− 9 8.9	2.416	3.309	9.5	20.8
9 18	1 12.11	−10 2.8	2.363	3.308	7.0	20.7
9 28	1 5.12	−10 52.7	2.336	3.306	5.2	20.6
10 8	0 57.46	−11 33.2	2.338	3.304	5.2	20.6
10 18	0 49.82	−11 59.9	2.367	3.302	7.0	20.7
10 28	0 42.95	−12 10.1	2.424	3.300	9.5	20.8
11 7	0 37.44	−12 2.7	2.504	3.298	11.9	21.0
11 17	0 33.69	−11 38.5	2.605	3.295	13.9	21.2

509433 2007 EV_{150} 10 8.6 191°.07 0°.9/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.74	+ 5 29.3	1.901	2.783	12.1	22.4
9 18	1 15.20	+ 4 57.5	1.835	2.782	8.5	22.2
9 28	1 6.88	+ 4 17.6	1.793	2.781	4.4	22.0
10 8	0 57.57	+ 3 34.0	1.780	2.779	0.9	21.7
10 18	0 48.23	+ 2 52.3	1.796	2.776	4.5	22.0
10 28	0 39.87	+ 2 17.9	1.839	2.773	8.6	22.2
11 7	0 33.29	+ 1 55.3	1.909	2.769	12.3	22.4
11 17	0 29.00	+ 1 46.8	1.999	2.765	15.3	22.7

487160 2014 OO_{246} 10 8.6 43°.95 4°.1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.72	+18 42.1	1.960	2.800	13.6	21.0
9 18	1 13.81	+18 56.8	1.896	2.808	10.5	20.8
9 28	1 6.15	+18 54.2	1.855	2.815	7.2	20.6
10 8	0 57.53	+18 35.5	1.840	2.823	4.5	20.5
10 18	0 48.88	+18 3.6	1.853	2.832	4.7	20.5
10 28	0 41.21	+17 24.0	1.894	2.840	7.5	20.7
11 7	0 35.29	+16 43.2	1.960	2.849	10.6	20.9
11 17	0 31.63	+16 6.7	2.049	2.858	13.5	21.1

72597 2001 FW_{10} 10 8.6 102°.48 0°.7/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.16	+ 7 0.8	2.424	3.305	9.9	19.0
9 18	1 10.24	+ 5 54.7	2.371	3.318	6.9	18.8
9 28	1 4.12	+ 4 40.8	2.343	3.331	3.5	18.6
10 8	0 57.42	+ 3 24.0	2.345	3.344	0.8	18.4
10 18	0 50.79	+ 2 9.9	2.377	3.356	3.7	18.7
10 28	0 44.91	+ 1 3.8	2.438	3.369	7.0	18.9
11 7	0 40.31	+ 0 10.0	2.525	3.381	9.8	19.1
11 17	0 37.36	− 0 29.3	2.636	3.393	12.2	19.3

377295 2004 FA_{67} 10 8.6 81°.04 2°.3/ 6.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.43	+ 2 41.3	1.462	2.360	14.1	20.6
9 18	1 15.79	+ 1 54.4	1.424	2.379	9.7	20.4
9 28	1 7.15	+ 1 1.5	1.409	2.398	5.1	20.2
10 8	0 57.59	+ 0 9.6	1.421	2.417	2.4	20.0
10 18	0 48.29	− 0 34.2	1.459	2.435	6.0	20.3
10 28	0 40.41	− 1 4.0	1.524	2.454	10.3	20.6
11 7	0 34.74	− 1 16.3	1.611	2.472	14.1	20.9
11 17	0 31.70	− 1 10.5	1.719	2.490	17.2	21.2

333056 2011 SE_{226} 10 8.6 191°.10 2°.9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.29	+18 9.5	2.317	3.154	11.9	21.4
9 18	1 12.63	+17 44.5	2.240	3.153	9.1	21.3
9 28	1 5.48	+17 3.2	2.187	3.151	5.9	21.1
10 8	0 57.50	+16 8.0	2.161	3.149	3.2	20.9
10 18	0 49.48	+15 2.9	2.164	3.147	3.7	20.9
10 28	0 42.24	+13 53.9	2.197	3.144	6.6	21.1
11 7	0 36.46	+12 47.3	2.257	3.140	9.7	21.3
11 17	0 32.60	+11 48.4	2.342	3.136	12.5	21.5

2759 Idomeneus 10 8.6 195°.23 1°.8/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 9.29	− 2 8.6	4.630	5.520	5.4	17.5
9 18	1 5.80	− 2 58.7	4.568	5.519	3.7	17.4
9 28	1 1.70	− 3 49.4	4.535	5.518	2.2	17.2
10 8	0 57.29	− 4 38.2	4.531	5.517	1.9	17.2
10 18	0 52.88	− 5 22.6	4.559	5.516	3.2	17.3
10 28	0 48.78	− 6 0.5	4.616	5.514	4.8	17.4
11 7	0 45.29	− 6 30.1	4.700	5.513	6.4	17.6
11 17	0 42.65	− 6 50.5	4.808	5.512	7.7	17.7

275384 2011 AJ_{74} 10 8.6 257°.63 5°.6/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.51	+25 46.6	2.424	3.218	12.8	20.9
9 18	1 12.89	+26 3.1	2.340	3.212	10.5	20.7
9 28	1 5.68	+26 0.8	2.278	3.206	8.0	20.6
10 8	0 57.53	+25 39.6	2.242	3.200	6.1	20.5
10 18	0 49.23	+25 1.2	2.234	3.194	5.7	20.4
10 28	0 41.67	+24 10.1	2.253	3.189	7.2	20.5
11 7	0 35.58	+23 12.2	2.299	3.183	9.5	20.6
11 17	0 31.48	+22 14.1	2.370	3.177	12.0	20.8

517498 2014 QL_{299} 10 8.6 142°.12 2°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.79	+15 1.2	2.421	3.268	11.1	21.5
9 18	1 12.89	+14 56.3	2.352	3.273	8.3	21.3
9 28	1 5.59	+14 38.9	2.308	3.279	5.2	21.1
10 8	0 57.53	+14 11.0	2.292	3.284	2.5	21.0
10 18	0 49.46	+13 35.8	2.305	3.288	3.4	21.0
10 28	0 42.15	+12 57.8	2.348	3.293	6.3	21.2
11 7	0 36.24	+12 21.8	2.417	3.297	9.3	21.4
11 17	0 32.17	+11 51.8	2.511	3.301	11.8	21.6

335721 2007 CJ_{41} 10 8.6 171°.29 2°.6/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.39	+14 57.5	1.839	2.694	13.8	22.0
9 18	1 15.78	+14 50.5	1.771	2.697	10.2	21.8
9 28	1 7.24	+14 27.3	1.726	2.699	6.3	21.5
10 8	0 57.63	+13 50.2	1.708	2.701	3.0	21.3
10 18	0 47.97	+13 3.6	1.718	2.702	4.1	21.4
10 28	0 39.35	+12 14.1	1.756	2.703	7.9	21.6
11 7	0 32.65	+11 28.3	1.821	2.703	11.7	21.9
11 17	0 28.37	+10 51.6	1.907	2.703	14.8	22.1

346545 2008 UL_{302} 10 8.6 218°.39 4°.5/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.34	+22 57.7	2.235	3.048	13.1	21.4
9 18	1 13.52	+22 39.8	2.148	3.040	10.4	21.2
9 28	1 6.03	+22 1.5	2.084	3.031	7.5	21.0
10 8	0 57.56	+21 4.1	2.046	3.021	5.0	20.9
10 18	0 48.97	+19 51.0	2.037	3.011	4.8	20.8
10 28	0 41.19	+18 28.7	2.056	3.001	7.1	21.0
11 7	0 34.99	+17 4.7	2.104	2.990	10.1	21.1
11 17	0 30.88	+15 46.3	2.175	2.978	13.0	21.3

497227 2005 AN_{27} 10 8.6 165°.07 17°.0/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.23	−28 41.9	1.191	2.069	18.1	20.5
9 18	1 17.04	−31 42.3	1.180	2.072	17.1	20.4
9 28	1 8.05	−34 7.0	1.190	2.074	17.3	20.5
10 8	0 57.67	−35 41.8	1.219	2.075	18.6	20.6
10 18	0 47.55	−36 20.6	1.266	2.077	20.6	20.7
10 28	0 39.30	−36 5.1	1.328	2.078	22.6	20.9
11 7	0 33.97	−35 3.2	1.403	2.078	24.5	21.1
11 17	0 31.99	−33 25.0	1.487	2.079	26.0	21.2

64761 2001 XZ_{171} 10 8.6 316°.26 0°.1/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.07	+ 8 11.6	1.935	2.817	11.9	19.6
9 18	1 11.95	+ 7 35.0	1.867	2.814	8.4	19.4
9 28	1 5.19	+ 6 47.7	1.824	2.810	4.5	19.1
10 8	0 57.52	+ 5 54.3	1.808	2.807	0.2	18.8
10 18	0 49.81	+ 5 0.2	1.820	2.803	4.0	19.1
10 28	0 42.97	+ 4 11.6	1.859	2.800	8.0	19.3
11 7	0 37.74	+ 3 33.7	1.925	2.797	11.6	19.6
11 17	0 34.62	+ 3 9.8	2.011	2.794	14.7	19.8

163096 2002 AQ_{105} 10 8.6 354°.81 2°.4/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.70	+12 24.6	1.054	1.951	18.4	18.8
9 18	1 14.83	+12 21.4	0.998	1.947	13.5	18.5
9 28	1 7.08	+11 56.5	0.961	1.945	8.0	18.2
10 8	0 57.64	+11 13.9	0.946	1.943	2.8	17.9
10 18	0 48.09	+10 21.1	0.954	1.941	5.5	18.1
10 28	0 40.12	+ 9 28.7	0.985	1.941	11.2	18.4
11 7	0 34.98	+ 8 46.6	1.037	1.942	16.4	18.7
11 17	0 33.30	+ 8 21.4	1.107	1.944	20.7	19.0

344063 1995 SM_{13} 10 8.6 42°.93 1°.9/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.26	+11 18.6	1.381	2.263	15.8	20.5
9 18	1 15.93	+11 24.5	1.334	2.277	11.5	20.3
9 28	1 7.36	+11 15.0	1.309	2.291	6.6	20.1
10 8	0 57.65	+10 53.3	1.309	2.306	2.2	19.9
10 18	0 48.08	+10 24.7	1.335	2.321	4.6	20.1
10 28	0 39.94	+ 9 56.1	1.387	2.337	9.3	20.4
11 7	0 34.18	+ 9 34.0	1.463	2.353	13.4	20.7
11 17	0 31.25	+ 9 22.8	1.559	2.370	16.9	20.9

70974 1999 XE_{23} 10 8.6 356°.37 1°.6/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.76	+ 3 19.5	1.043	1.962	16.6	17.8
9 18	1 12.68	+ 3 14.9	0.990	1.955	11.6	17.5
9 28	1 5.91	+ 3 2.1	0.957	1.948	6.1	17.2
10 8	0 57.58	+ 2 47.0	0.946	1.944	1.6	16.9
10 18	0 49.17	+ 2 36.6	0.958	1.942	6.5	17.2
10 28	0 42.25	+ 2 37.4	0.992	1.942	12.0	17.6
11 7	0 37.99	+ 2 53.9	1.047	1.944	17.0	17.8
11 17	0 36.97	+ 3 27.5	1.119	1.948	21.0	18.1

102908 1999 XO_{19} 10 8.6 357°.46 3°.0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.02	+15 7.8	1.074	1.967	18.5	18.1
9 18	1 12.18	+14 43.4	1.017	1.963	13.8	17.8
9 28	1 5.65	+13 52.4	0.979	1.960	8.4	17.5
10 8	0 57.57	+12 39.7	0.963	1.959	3.5	17.2
10 18	0 49.41	+11 14.4	0.970	1.958	5.4	17.3
10 28	0 42.73	+ 9 49.5	1.001	1.959	10.8	17.6
11 7	0 38.70	+ 8 36.8	1.052	1.961	15.8	17.9
11 17	0 37.90	+ 7 44.3	1.122	1.964	20.1	18.2

383181 2005 WM_{149} 10 8.6 249°.37 1°.3/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.56	+11 30.5	1.674	2.548	13.9	21.2
9 18	1 14.68	+11 10.6	1.602	2.542	10.1	21.0
9 28	1 6.75	+10 35.7	1.554	2.536	5.8	20.7
10 8	0 57.64	+ 9 49.4	1.532	2.529	1.6	20.4
10 18	0 48.41	+ 8 57.3	1.537	2.523	4.2	20.6
10 28	0 40.21	+ 8 6.6	1.570	2.516	8.7	20.9
11 7	0 33.99	+ 7 24.1	1.627	2.510	12.8	21.1
11 17	0 30.30	+ 6 54.6	1.706	2.503	16.3	21.3

85994 1999 JV_{41} 10 8.6 150°.82 1°.8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.11	+ 2 7.0	2.419	3.305	9.7	20.3
9 18	1 12.33	+ 1 21.9	2.362	3.312	6.7	20.1
9 28	1 5.26	+ 0 32.6	2.332	3.320	3.5	19.9
10 8	0 57.55	− 0 16.1	2.331	3.326	1.9	19.8
10 18	0 49.88	− 0 59.9	2.360	3.333	4.4	20.0
10 28	0 42.98	− 1 34.5	2.417	3.338	7.5	20.2
11 7	0 37.43	− 1 56.9	2.501	3.344	10.3	20.4
11 17	0 33.62	− 2 5.9	2.607	3.349	12.7	20.6

324832 2007 JG_{3} 10 8.6 101°.88 4°.0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.61	− 5 41.1	2.256	3.151	10.0	20.1
9 18	1 12.75	− 6 19.0	2.204	3.154	7.1	19.9
9 28	1 5.51	− 6 54.8	2.177	3.157	4.6	19.8
10 8	0 57.56	− 7 23.7	2.179	3.160	4.2	19.8
10 18	0 49.67	− 7 41.5	2.209	3.163	6.3	19.9
10 28	0 42.62	− 7 45.3	2.266	3.166	9.0	20.1
11 7	0 37.02	− 7 33.7	2.348	3.168	11.7	20.3
11 17	0 33.28	− 7 7.2	2.452	3.171	14.0	20.5

315907 2008 RF_{20} 10 8.6 330°.17 0°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 10.39	+ 8 45.4	3.890	4.758	6.8	20.4
9 18	1 6.69	+ 8 15.2	3.814	4.754	4.8	20.3
9 28	1 2.24	+ 7 39.5	3.765	4.749	2.6	20.1
10 8	0 57.38	+ 7 0.4	3.746	4.745	0.3	19.9
10 18	0 52.50	+ 6 20.5	3.757	4.740	2.1	20.1
10 28	0 48.00	+ 5 42.6	3.798	4.736	4.4	20.3
11 7	0 44.25	+ 5 9.1	3.867	4.732	6.5	20.4
11 17	0 41.51	+ 4 42.3	3.961	4.728	8.3	20.5

1564 Srbija 10 8.6 336°.33 2°.0/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.13	+ 4 41.3	1.758	2.658	12.0	15.0
9 18	1 9.35	+ 3 25.1	1.688	2.645	8.3	14.7
9 28	1 3.89	+ 1 58.4	1.643	2.633	4.3	14.4
10 8	0 57.48	+ 0 28.4	1.625	2.621	2.1	14.3
10 18	0 50.97	− 0 56.7	1.634	2.611	5.5	14.5
10 28	0 45.32	− 2 8.8	1.670	2.600	9.6	14.7
11 7	0 41.30	− 3 2.2	1.730	2.591	13.3	14.9
11 17	0 39.40	− 3 34.2	1.810	2.582	16.4	15.1

151447 2002 GZ_{54} 10 8.6 171°.42 0°.2/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.80	+ 7 41.7	2.565	3.438	9.7	20.9
9 18	1 11.42	+ 7 5.4	2.498	3.441	6.8	20.7
9 28	1 4.81	+ 6 21.3	2.457	3.443	3.6	20.5
10 8	0 57.54	+ 5 33.0	2.445	3.444	0.2	20.2
10 18	0 50.27	+ 4 44.6	2.463	3.446	3.3	20.5
10 28	0 43.68	+ 4 0.7	2.511	3.447	6.5	20.7
11 7	0 38.35	+ 3 25.1	2.585	3.447	9.4	20.9
11 17	0 34.66	+ 3 0.3	2.684	3.448	11.8	21.1

59590 1999 JL_{57} 10 8.6 50°.10 5°.0/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.42	− 3 30.1	1.268	2.178	14.9	17.7
9 18	1 15.83	− 4 24.8	1.246	2.204	10.4	17.6
9 28	1 7.17	− 5 17.4	1.246	2.232	6.3	17.4
10 8	0 57.67	− 5 59.2	1.272	2.259	5.2	17.4
10 18	0 48.62	− 6 23.8	1.323	2.287	8.3	17.7
10 28	0 41.23	− 6 27.3	1.398	2.315	12.2	18.0
11 7	0 36.25	− 6 9.4	1.494	2.343	15.7	18.3
11 17	0 34.01	− 5 32.2	1.609	2.372	18.5	18.6

521905 2015 TP_{385} 10 8.6 235°.00 6°.0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.68	−11 23.5	2.274	3.170	9.9	21.0
9 18	1 11.46	−12 37.2	2.223	3.165	7.6	20.9
9 28	1 4.87	−13 45.4	2.199	3.161	6.1	20.8
10 8	0 57.55	−14 41.7	2.202	3.157	6.4	20.8
10 18	0 50.24	−15 20.8	2.232	3.153	8.2	20.9
10 28	0 43.72	−15 39.5	2.288	3.148	10.6	21.1
11 7	0 38.60	−15 37.2	2.367	3.143	13.0	21.2
11 17	0 35.30	−15 15.0	2.464	3.139	14.9	21.4

202904 1995 UF_{23} 10 8.6 92°.54 1°.3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.97	+11 43.9	1.726	2.599	13.6	20.6
9 18	1 14.10	+11 21.1	1.666	2.605	9.8	20.4
9 28	1 6.38	+10 43.8	1.630	2.611	5.6	20.2
10 8	0 57.65	+ 9 56.1	1.620	2.618	1.6	19.9
10 18	0 48.96	+ 9 3.6	1.638	2.624	4.0	20.1
10 28	0 41.35	+ 8 13.1	1.684	2.630	8.2	20.4
11 7	0 35.64	+ 7 30.9	1.754	2.636	12.1	20.7
11 17	0 32.32	+ 7 1.3	1.846	2.642	15.3	20.9

204631 2005 XH_{64} 10 8.6 225°.65 2°.7/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.37	+ 2 36.1	1.443	2.341	14.2	20.7
9 18	1 16.14	+ 1 38.8	1.380	2.335	9.9	20.4
9 28	1 7.59	+ 0 32.9	1.340	2.329	5.3	20.1
10 8	0 57.73	− 0 33.8	1.326	2.322	2.8	19.9
10 18	0 47.79	− 1 32.8	1.339	2.314	6.7	20.2
10 28	0 39.08	− 2 16.2	1.378	2.306	11.4	20.4
11 7	0 32.63	− 2 39.2	1.440	2.298	15.6	20.7
11 17	0 29.02	− 2 40.2	1.520	2.290	19.1	20.9

70504 1999 TR_{99} 10 8.6 282°.32 2°.9/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.56	+ 4 17.4	1.706	2.605	12.4	18.9
9 18	1 11.06	+ 2 12.7	1.641	2.598	8.5	18.6
9 28	1 4.81	− 0 4.2	1.602	2.591	4.5	18.4
10 8	0 57.57	− 2 23.1	1.591	2.584	3.2	18.3
10 18	0 50.28	− 4 32.8	1.610	2.577	6.7	18.5
10 28	0 43.94	− 6 23.0	1.656	2.571	10.8	18.7
11 7	0 39.33	− 7 47.3	1.725	2.564	14.4	18.9
11 17	0 36.97	− 8 43.4	1.815	2.557	17.4	19.1

362855 2012 BN_{36} 10 8.6 73°.26 0°.7/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.00	+ 6 18.3	2.029	2.915	11.3	21.4
9 18	1 11.80	+ 5 34.6	1.969	2.919	7.9	21.2
9 28	1 5.09	+ 4 42.4	1.935	2.923	4.1	20.9
10 8	0 57.58	+ 3 46.6	1.928	2.927	0.8	20.7
10 18	0 50.10	+ 2 52.7	1.950	2.931	4.2	21.0
10 28	0 43.49	+ 2 6.4	2.000	2.935	7.9	21.2
11 7	0 38.43	+ 1 32.1	2.075	2.940	11.3	21.4
11 17	0 35.34	+ 1 12.2	2.172	2.944	14.0	21.6

466079 2012 AJ_{13} 10 8.6 104°.91 4°.1/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.22	− 0 23.3	1.341	2.246	14.6	20.9
9 18	1 15.89	− 1 35.3	1.298	2.257	10.2	20.7
9 28	1 7.35	− 2 51.3	1.279	2.266	5.8	20.5
10 8	0 57.72	− 4 1.6	1.285	2.276	4.3	20.4
10 18	0 48.26	− 4 57.4	1.318	2.286	7.8	20.6
10 28	0 40.27	− 5 32.1	1.375	2.295	12.1	20.9
11 7	0 34.63	− 5 42.9	1.454	2.304	16.0	21.2
11 17	0 31.81	− 5 30.5	1.552	2.313	19.2	21.4

515933 2015 RC_{3} 10 8.6 51°.92 8°.6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.99	−12 39.7	1.617	2.525	12.4	20.6
9 18	1 11.27	−15 0.0	1.595	2.539	9.8	20.5
9 28	1 4.83	−17 9.2	1.597	2.553	8.6	20.4
10 8	0 57.57	−18 56.2	1.626	2.567	9.4	20.5
10 18	0 50.48	−20 13.1	1.680	2.582	11.6	20.7
10 28	0 44.53	−20 56.4	1.756	2.597	14.2	20.9
11 7	0 40.43	−21 7.1	1.852	2.612	16.6	21.1
11 17	0 38.58	−20 48.9	1.964	2.628	18.6	21.3

445202 2009 DG_{73} 10 8.6 175°.67 0°.5/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.44	+ 9 34.6	2.218	3.087	11.2	22.0
9 18	1 13.45	+ 9 9.2	2.150	3.089	8.0	21.8
9 28	1 5.95	+ 8 33.6	2.107	3.090	4.3	21.6
10 8	0 57.65	+ 7 51.4	2.092	3.091	0.7	21.3
10 18	0 49.32	+ 7 6.9	2.107	3.092	3.5	21.5
10 28	0 41.82	+ 6 25.2	2.151	3.092	7.1	21.7
11 7	0 35.82	+ 5 50.9	2.222	3.092	10.4	21.9
11 17	0 31.77	+ 5 27.4	2.316	3.091	13.2	22.1

335773 2007 ER_{178} 10 8.6 130°.88 0°.8/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.46	+11 45.0	1.759	2.632	13.4	21.2
9 18	1 13.70	+10 56.6	1.700	2.640	9.6	21.0
9 28	1 6.15	+ 9 53.0	1.665	2.648	5.3	20.8
10 8	0 57.67	+ 8 39.4	1.656	2.655	1.1	20.5
10 18	0 49.24	+ 7 22.8	1.676	2.662	4.0	20.7
10 28	0 41.88	+ 6 10.9	1.724	2.668	8.3	21.0
11 7	0 36.38	+ 5 10.7	1.797	2.675	12.1	21.2
11 17	0 33.19	+ 4 26.3	1.893	2.680	15.2	21.5

449071 2012 FO_{51} 10 8.6 295°.51 0°.1/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.10	+ 6 1.7	2.125	3.002	11.2	20.5
9 18	1 14.73	+ 6 4.7	2.051	2.995	7.9	20.3
9 28	1 6.70	+ 6 1.2	2.002	2.988	4.2	20.1
10 8	0 57.72	+ 5 53.8	1.982	2.981	0.2	19.7
10 18	0 48.63	+ 5 45.7	1.990	2.974	3.8	20.0
10 28	0 40.36	+ 5 40.7	2.028	2.967	7.6	20.2
11 7	0 33.67	+ 5 42.1	2.092	2.960	11.0	20.4
11 17	0 29.07	+ 5 52.2	2.178	2.953	13.9	20.6

71285 2000 AB_{51} 10 8.6 316°.77 0°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.33	+ 7 57.8	1.604	2.492	13.7	18.8
9 18	1 13.91	+ 7 38.9	1.534	2.482	9.7	18.5
9 28	1 6.42	+ 7 8.3	1.486	2.473	5.2	18.3
10 8	0 57.71	+ 6 30.3	1.465	2.464	0.4	17.9
10 18	0 48.86	+ 5 50.4	1.470	2.455	4.6	18.2
10 28	0 41.04	+ 5 15.4	1.502	2.446	9.2	18.4
11 7	0 35.20	+ 4 50.9	1.558	2.438	13.4	18.7
11 17	0 31.91	+ 4 40.7	1.634	2.430	16.9	18.9

2850 Mozhaiskij 10 8.6 285°.61 5°.4/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.88	− 4 50.7	1.531	2.438	13.1	16.3
9 18	1 14.24	− 6 1.3	1.477	2.432	9.4	16.1
9 28	1 6.55	− 7 11.5	1.446	2.427	6.2	15.9
10 8	0 57.72	− 8 12.7	1.440	2.422	5.8	15.9
10 18	0 48.88	− 8 56.9	1.461	2.416	8.7	16.0
10 28	0 41.20	− 9 18.4	1.507	2.411	12.4	16.2
11 7	0 35.58	− 9 15.5	1.574	2.406	15.9	16.5
11 17	0 32.53	− 8 49.3	1.660	2.400	18.9	16.7

141214 2001 XC_{219} 10 8.6 89°.43 0°.8/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.60	+ 5 39.2	1.975	2.860	11.6	20.2
9 18	1 12.96	+ 5 7.3	1.915	2.864	8.1	20.0
9 28	1 5.74	+ 4 27.6	1.880	2.868	4.2	19.7
10 8	0 57.67	+ 3 44.6	1.873	2.871	0.8	19.5
10 18	0 49.62	+ 3 3.5	1.894	2.875	4.3	19.8
10 28	0 42.49	+ 2 29.5	1.943	2.879	8.1	20.0
11 7	0 36.98	+ 2 6.6	2.017	2.882	11.5	20.2
11 17	0 33.54	+ 1 57.2	2.113	2.886	14.4	20.4

495297 2013 TJ_{159} 10 8.6 17°.65 0°.1/ 7.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	0 59.48	+ 3 44.5	37.030	37.908	0.8	22.4
9 18	0 58.78	+ 3 39.6	36.966	37.913	0.5	22.3
9 28	0 58.01	+ 3 34.4	36.930	37.917	0.3	22.3
10 8	0 57.21	+ 3 29.1	36.924	37.922	0.1	22.3
10 18	0 56.42	+ 3 24.0	36.947	37.927	0.3	22.3
10 28	0 55.65	+ 3 19.1	37.001	37.931	0.5	22.3
11 7	0 54.94	+ 3 14.8	37.082	37.936	0.8	22.4
11 17	0 54.32	+ 3 11.1	37.190	37.940	1.0	22.4

116115 2003 WL_{136} 10 8.6 344°.52 6°.9/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 15.98	+32 17.0	2.328	3.085	14.2	19.1
9 18	1 11.22	+32 7.7	2.245	3.084	12.1	18.9
9 28	1 4.87	+31 33.6	2.183	3.082	9.8	18.8
10 8	0 57.63	+30 34.6	2.144	3.080	7.8	18.7
10 18	0 50.35	+29 13.4	2.132	3.079	6.9	18.6
10 28	0 43.90	+27 35.9	2.147	3.077	7.8	18.7
11 7	0 39.01	+25 50.2	2.189	3.076	9.8	18.8
11 17	0 36.15	+24 4.7	2.256	3.075	12.1	18.9

472001 2013 WL_{41} 10 8.6 318°.47 1°.7/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.45	+ 4 12.3	1.220	2.128	15.6	21.0
9 18	1 14.58	+ 3 43.4	1.148	2.107	11.0	20.7
9 28	1 7.03	+ 3 3.5	1.097	2.088	5.8	20.4
10 8	0 57.78	+ 2 19.1	1.070	2.069	1.7	20.0
10 18	0 48.20	+ 1 38.4	1.068	2.050	6.5	20.3
10 28	0 39.84	+ 1 9.8	1.089	2.032	12.1	20.6
11 7	0 33.95	+ 0 59.6	1.132	2.016	17.1	20.8
11 17	0 31.27	+ 1 10.4	1.192	2.000	21.3	21.0

412720 2014 OX_{316} 10 8.6 73°.35 5°.6/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.28	− 9 24.2	2.110	3.008	10.4	20.3
9 18	1 11.91	−10 30.5	2.069	3.015	7.7	20.1
9 28	1 5.13	−11 31.8	2.053	3.023	5.8	20.0
10 8	0 57.66	−12 21.7	2.064	3.030	5.9	20.0
10 18	0 50.28	−12 55.1	2.103	3.037	7.9	20.2
10 28	0 43.79	−13 9.0	2.168	3.044	10.5	20.4
11 7	0 38.81	−13 2.7	2.255	3.051	12.9	20.5
11 17	0 35.74	−12 37.4	2.363	3.058	15.0	20.7

184325 2005 GN_{60} 10 8.6 75°.54 4°.1/11.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.55	+16 36.0	1.361	2.224	17.2	20.4
9 18	1 17.72	+16 49.1	1.310	2.237	13.0	20.2
9 28	1 8.45	+16 40.5	1.279	2.250	8.4	20.0
10 8	0 57.87	+16 12.3	1.273	2.263	4.6	19.8
10 18	0 47.39	+15 29.4	1.293	2.277	5.4	19.9
10 28	0 38.43	+14 40.3	1.339	2.290	9.5	20.2
11 7	0 32.01	+13 53.8	1.409	2.303	13.6	20.4
11 17	0 28.64	+13 17.0	1.499	2.316	17.2	20.7

324788 2007 GU_{75} 10 8.6 6°.08 0°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.75	+10 19.9	2.040	2.918	11.6	20.3
9 18	1 10.29	+ 9 26.9	1.975	2.919	8.2	20.1
9 28	1 4.36	+ 8 21.5	1.934	2.919	4.4	19.9
10 8	0 57.63	+ 7 8.6	1.921	2.920	0.5	19.5
10 18	0 50.90	+ 5 54.2	1.937	2.921	3.7	19.8
10 28	0 44.98	+ 4 45.0	1.980	2.923	7.5	20.1
11 7	0 40.54	+ 3 46.8	2.049	2.924	10.9	20.3
11 17	0 38.02	+ 3 3.4	2.141	2.926	13.8	20.5

60623 2000 FW_{13} 10 8.6 114°.01 4°.8/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.17	− 4 23.1	1.554	2.455	13.3	18.9
9 18	1 16.40	− 5 11.3	1.508	2.462	9.4	18.7
9 28	1 7.63	− 5 58.2	1.486	2.469	5.9	18.5
10 8	0 57.83	− 6 36.4	1.491	2.476	5.0	18.5
10 18	0 48.18	− 6 59.5	1.522	2.482	7.8	18.6
10 28	0 39.82	− 7 3.6	1.579	2.488	11.6	18.9
11 7	0 33.62	− 6 47.4	1.658	2.495	15.0	19.1
11 17	0 30.02	− 6 12.2	1.757	2.500	17.9	19.3

437311 2013 CF_{217} 10 8.6 288°.66 1°.0/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 10.06	+ 2 20.0	4.284	5.167	5.9	21.2
9 18	1 6.44	+ 1 44.7	4.212	5.161	4.1	21.1
9 28	1 2.15	+ 1 7.0	4.168	5.155	2.1	20.9
10 8	0 57.50	+ 0 29.1	4.154	5.149	1.1	20.8
10 18	0 52.83	− 0 6.6	4.170	5.144	2.6	20.9
10 28	0 48.50	− 0 37.6	4.216	5.138	4.6	21.1
11 7	0 44.83	− 1 2.2	4.290	5.132	6.4	21.2
11 17	0 42.08	− 1 18.9	4.388	5.126	8.0	21.3

312633 2009 WE_{5} 10 8.6 305°.26 2°.8/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 10.99	+22 46.3	4.268	5.065	7.6	20.5
9 18	1 7.14	+22 34.6	4.181	5.061	6.0	20.4
9 28	1 2.54	+22 12.7	4.119	5.057	4.4	20.3
10 8	0 57.53	+21 41.4	4.085	5.054	3.1	20.2
10 18	0 52.48	+21 2.5	4.080	5.050	2.9	20.2
10 28	0 47.81	+20 18.5	4.105	5.046	4.0	20.2
11 7	0 43.86	+19 32.5	4.159	5.042	5.6	20.4
11 17	0 40.92	+18 47.4	4.240	5.039	7.2	20.5

156924 2003 FC_{59} 10 8.6 270°.15 1°.9/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.98	+ 3 21.7	1.655	2.549	13.0	20.6
9 18	1 15.10	+ 2 40.7	1.578	2.531	9.1	20.3
9 28	1 7.10	+ 1 51.4	1.526	2.514	4.8	20.0
10 8	0 57.82	+ 0 59.7	1.499	2.496	2.0	19.8
10 18	0 48.32	+ 0 12.3	1.501	2.478	5.7	20.0
10 28	0 39.79	− 0 24.0	1.529	2.460	10.2	20.2
11 7	0 33.21	− 0 44.2	1.580	2.442	14.3	20.4
11 17	0 29.19	− 0 46.1	1.652	2.423	17.8	20.6

62767 2000 UQ_{17} 10 8.6 293°.40 6°.9/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.45	− 9 57.7	1.585	2.486	13.1	19.3
9 18	1 16.11	−10 48.3	1.523	2.471	9.8	19.1
9 28	1 7.60	−11 32.9	1.485	2.457	7.3	18.9
10 8	0 57.85	−12 3.1	1.472	2.443	7.2	18.9
10 18	0 48.01	−12 12.6	1.486	2.428	9.7	19.0
10 28	0 39.30	−11 57.5	1.523	2.414	13.2	19.2
11 7	0 32.70	−11 17.9	1.583	2.400	16.5	19.4
11 17	0 28.78	−10 16.5	1.660	2.386	19.4	19.6

34662 2000 WA_{172} 10 8.7 229°.55 6°.7/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.26	− 9 25.2	1.802	2.705	11.6	19.1
9 18	1 12.91	−11 7.1	1.752	2.700	8.8	18.9
9 28	1 5.80	−12 44.9	1.726	2.694	6.9	18.8
10 8	0 57.74	−14 9.4	1.728	2.688	7.3	18.8
10 18	0 49.67	−15 12.6	1.756	2.683	9.7	18.9
10 28	0 42.58	−15 49.8	1.809	2.676	12.6	19.1
11 7	0 37.24	−15 59.8	1.883	2.670	15.4	19.3
11 17	0 34.15	−15 44.3	1.975	2.663	17.8	19.4

323594 2004 TV_{279} 10 8.7 184°.49 0°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.39	+11 26.8	2.528	3.391	10.2	21.2
9 18	1 11.23	+10 52.5	2.456	3.391	7.3	21.0
9 28	1 4.80	+10 7.7	2.410	3.390	4.1	20.8
10 8	0 57.68	+ 9 15.5	2.392	3.390	1.0	20.6
10 18	0 50.54	+ 8 20.2	2.404	3.389	3.0	20.8
10 28	0 44.08	+ 7 26.7	2.446	3.388	6.3	21.0
11 7	0 38.88	+ 6 39.6	2.514	3.387	9.2	21.2
11 17	0 35.35	+ 6 2.4	2.607	3.385	11.8	21.3

168323 1992 ED_{23} 10 8.7 210°.58 3°.5/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.42	− 0 20.1	1.478	2.377	13.9	20.4
9 18	1 16.82	− 1 7.9	1.419	2.374	9.7	20.2
9 28	1 7.97	− 1 59.9	1.384	2.371	5.5	19.9
10 8	0 57.88	− 2 48.5	1.375	2.368	3.7	19.8
10 18	0 47.76	− 3 26.4	1.393	2.364	7.1	20.0
10 28	0 38.91	− 3 47.5	1.437	2.359	11.5	20.3
11 7	0 32.30	− 3 48.8	1.503	2.355	15.5	20.5
11 17	0 28.48	− 3 29.8	1.589	2.350	18.8	20.7

294784 2008 CD_{50} 10 8.7 164°.78 2°.6/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.95	− 3 45.0	3.409	4.300	7.0	20.4
9 18	1 8.55	− 4 33.0	3.352	4.302	4.9	20.2
9 28	1 3.29	− 5 20.9	3.323	4.304	3.1	20.1
10 8	0 57.59	− 6 5.2	3.323	4.306	2.8	20.1
10 18	0 51.89	− 6 42.7	3.353	4.307	4.3	20.2
10 28	0 46.67	− 7 10.7	3.412	4.309	6.4	20.3
11 7	0 42.34	− 7 27.6	3.497	4.310	8.4	20.5
11 17	0 39.19	− 7 32.6	3.605	4.311	10.1	20.6

378236 2007 BD_{101} 10 8.7 259°.92 3°.6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.08	− 0 2.3	1.626	2.526	12.8	21.2
9 18	1 14.42	− 1 8.2	1.557	2.513	9.0	21.0
9 28	1 6.72	− 2 19.9	1.513	2.500	5.1	20.7
10 8	0 57.81	− 3 29.6	1.495	2.486	3.8	20.6
10 18	0 48.76	− 4 29.2	1.504	2.472	7.0	20.8
10 28	0 40.73	− 5 11.6	1.540	2.458	11.2	21.0
11 7	0 34.65	− 5 32.8	1.598	2.444	15.0	21.2
11 17	0 31.10	− 5 31.7	1.676	2.429	18.3	21.4

221056 2005 QG_{133} 10 8.7 5°.96 2°.5/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.55	+ 9 38.3	1.026	1.928	18.4	18.3
9 18	1 16.92	+10 24.4	0.975	1.927	13.5	18.0
9 28	1 8.28	+10 55.8	0.943	1.928	7.8	17.8
10 8	0 57.90	+11 13.7	0.934	1.931	2.8	17.5
10 18	0 47.46	+11 21.3	0.948	1.935	5.7	17.7
10 28	0 38.71	+11 25.0	0.985	1.941	11.2	18.0
11 7	0 32.96	+11 31.6	1.043	1.948	16.2	18.3
11 17	0 30.80	+11 46.3	1.119	1.957	20.4	18.6

74345 1998 VY_{45} 10 8.7 338°.53 8°.6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.32	+24 15.2	1.394	2.229	18.4	18.1
9 18	1 15.27	+25 21.8	1.317	2.214	15.2	17.9
9 28	1 7.48	+26 3.7	1.259	2.201	11.8	17.6
10 8	0 57.86	+26 17.1	1.224	2.188	9.2	17.5
10 18	0 47.78	+26 1.9	1.211	2.176	8.8	17.4
10 28	0 38.83	+25 23.5	1.223	2.166	11.0	17.5
11 7	0 32.36	+24 31.9	1.257	2.156	14.5	17.7
11 17	0 29.18	+23 37.6	1.310	2.148	18.0	17.9

488343 2016 VT_{18} 10 8.7 6°.62 0°.8/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.27	+ 5 42.9	1.220	2.116	16.5	19.3
9 18	1 19.21	+ 6 32.4	1.164	2.116	11.8	19.1
9 28	1 9.39	+ 7 14.5	1.130	2.117	6.4	18.8
10 8	0 57.97	+ 7 50.2	1.121	2.120	1.0	18.4
10 18	0 46.51	+ 8 21.7	1.138	2.124	5.3	18.7
10 28	0 36.61	+ 8 52.5	1.179	2.129	10.6	19.1
11 7	0 29.47	+ 9 26.4	1.244	2.135	15.3	19.4
11 17	0 25.70	+10 6.4	1.328	2.142	19.2	19.6

136098 2003 *DD* 10 8.7 331.°56 2.°4/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.99	+13 54.6	1.824	2.688	13.4	19.7
9 18	1 13.51	+13 50.5	1.752	2.684	9.9	19.5
9 28	1 6.18	+13 31.2	1.704	2.680	6.1	19.3
10 8	0 57.77	+12 59.2	1.682	2.676	2.7	19.1
10 18	0 49.26	+12 18.7	1.687	2.672	4.0	19.1
10 28	0 41.69	+11 35.8	1.720	2.669	7.9	19.4
11 7	0 35.91	+10 56.8	1.778	2.666	11.6	19.6
11 17	0 32.45	+10 26.8	1.858	2.663	14.8	19.8

490995 2011 FK_{147} 10 8.7 294.°20 4.°1/ 4.6 17

9 8	1 19.58	− 5 22.6	2.224	3.118	10.2	21.6
9 18	1 13.74	− 6 0.4	2.138	3.088	7.3	21.3
9 28	1 6.27	− 6 37.5	2.078	3.058	4.8	21.1
10 8	0 57.78	− 7 8.7	2.046	3.028	4.3	21.0
10 18	0 49.08	− 7 29.1	2.042	2.997	6.6	21.1
10 28	0 41.05	− 7 34.8	2.066	2.967	9.7	21.3
11 7	0 34.46	− 7 23.7	2.114	2.936	12.8	21.4
11 17	0 29.84	− 6 55.8	2.183	2.905	15.4	21.6

347105 2010 HO_{103} 10 8.7 241.°86 2.°7/11.7 18

9 8	1 17.67	+18 30.1	2.011	2.854	13.2	21.1
9 18	1 12.50	+17 35.1	1.925	2.843	10.0	20.8
9 28	1 5.62	+16 18.8	1.863	2.831	6.4	20.6
10 8	0 57.74	+14 44.9	1.828	2.819	3.1	20.4
10 18	0 49.75	+12 59.5	1.822	2.807	3.8	20.4
10 28	0 42.60	+11 11.4	1.845	2.794	7.5	20.6
11 7	0 37.09	+ 9 29.5	1.896	2.781	11.1	20.8
11 17	0 33.72	+ 8 0.9	1.970	2.767	14.4	21.0

94226 2001 BA_{61} 10 8.7 324.°13 15.°5/27.6 18

9 8	1 18.95	+47 55.7	1.645	2.309	22.4	18.5
9 18	1 14.59	+48 48.2	1.560	2.295	20.9	18.3
9 28	1 7.20	+49 0.7	1.487	2.281	19.1	18.1
10 8	0 57.84	+48 25.9	1.429	2.268	17.3	18.0
10 18	0 48.10	+47 0.2	1.389	2.256	16.0	17.8
10 28	0 39.81	+44 47.5	1.370	2.244	15.5	17.8
11 7	0 34.41	+41 59.2	1.372	2.233	16.1	17.8
11 17	0 32.63	+38 51.3	1.395	2.223	17.7	17.9

352662 2008 RM_{14} 10 8.7 30.°93 1.°5/11.4 18

9 8	1 11.42	+15 10.2	4.123	4.962	7.1	20.6
9 18	1 7.42	+14 57.4	4.047	4.964	5.3	20.4
9 28	1 2.69	+14 37.1	3.997	4.965	3.3	20.3
10 8	0 57.56	+14 10.7	3.976	4.967	1.7	20.2
10 18	0 52.42	+13 40.1	3.985	4.968	2.1	20.2
10 28	0 47.65	+13 7.8	4.025	4.970	3.9	20.4
11 7	0 43.61	+12 36.4	4.093	4.972	5.8	20.5
11 17	0 40.58	+12 8.3	4.187	4.973	7.5	20.6

71057 1999 XE_{96} 10 8.7 332.°26 4.°8/13.1 18

9 8	1 18.27	+20 58.9	1.666	2.508	15.6	17.8
9 18	1 13.21	+20 50.3	1.594	2.505	12.2	17.5
9 28	1 6.09	+20 18.3	1.542	2.501	8.5	17.3
10 8	0 57.78	+19 24.3	1.515	2.498	5.4	17.1
10 18	0 49.35	+18 13.0	1.515	2.494	5.3	17.1
10 28	0 41.98	+16 52.8	1.541	2.492	8.4	17.3
11 7	0 36.59	+15 33.0	1.592	2.489	12.1	17.5
11 17	0 33.75	+14 22.0	1.665	2.487	15.5	17.7

365917 2011 WK_{136} 10 8.7 107.°14 3.°9/ 5.9 17

9 8	1 25.16	− 0 44.9	1.363	2.263	14.8	20.8
9 18	1 17.90	− 1 39.9	1.324	2.279	10.3	20.6
9 28	1 8.43	− 2 37.5	1.308	2.295	5.8	20.3
10 8	0 57.92	− 3 29.4	1.318	2.310	4.0	20.3
10 18	0 47.68	− 4 7.9	1.355	2.325	7.4	20.5
10 28	0 38.99	− 4 27.6	1.418	2.339	11.7	20.8
11 7	0 32.74	− 4 26.3	1.502	2.352	15.6	21.1
11 17	0 29.36	− 4 4.9	1.606	2.366	18.7	21.4

258442 2001 XP_{241} 10 8.7 324.°43 3.°5/ 5.6 18

9 8	1 18.93	− 1 57.0	1.825	2.725	11.7	20.4
9 18	1 13.36	− 2 38.0	1.765	2.720	8.2	20.2
9 28	1 6.05	− 3 20.6	1.729	2.715	4.8	20.0
10 8	0 57.78	− 3 58.9	1.721	2.710	3.6	19.9
10 18	0 49.49	− 4 27.2	1.739	2.706	6.4	20.1
10 28	0 42.16	− 4 41.0	1.785	2.702	10.0	20.3
11 7	0 36.56	− 4 37.9	1.854	2.698	13.3	20.5
11 17	0 33.19	− 4 17.7	1.943	2.694	16.2	20.7

408049 2012 FO_{72} 10 8.7 202.°09 5.°0/ 2.3 18

9 8	1 18.83	−12 25.4	2.833	3.716	8.6	21.2
9 18	1 12.78	−13 9.2	2.777	3.712	6.6	21.1
9 28	1 5.57	−13 47.3	2.749	3.708	5.2	21.0
10 8	0 57.75	−14 15.2	2.749	3.703	5.3	21.0
10 18	0 49.95	−14 29.6	2.778	3.698	6.8	21.1
10 28	0 42.82	−14 28.4	2.834	3.692	8.9	21.2
11 7	0 36.90	−14 11.2	2.915	3.686	10.9	21.3
11 17	0 32.55	−13 38.9	3.017	3.680	12.6	21.5

23544 1993 *XW* 10 8.7 324.°89 11.°0/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.15	−28 4.8	2.090	2.945	12.4	17.4
9 18	1 14.09	−29 16.1	2.058	2.938	11.3	17.3
9 28	1 6.36	−30 7.5	2.048	2.932	11.0	17.3
10 8	0 57.80	−30 32.4	2.061	2.926	11.7	17.3
10 18	0 49.35	−30 27.1	2.097	2.920	13.0	17.4
10 28	0 41.96	−29 51.3	2.153	2.914	14.7	17.5
11 7	0 36.36	−28 47.8	2.229	2.909	16.3	17.6
11 17	0 32.96	−27 21.3	2.319	2.904	17.7	17.8

224259 2005 SE_{246} 10 8.7 212.°63 0.°3/ 8.9 18

9 8	1 19.90	+ 9 49.2	1.700	2.579	13.5	20.6
9 18	1 14.20	+ 9 5.8	1.632	2.576	9.6	20.3
9 28	1 6.56	+ 8 8.3	1.588	2.573	5.2	20.1
10 8	0 57.82	+ 7 1.6	1.570	2.569	0.5	19.7
10 18	0 49.03	+ 5 52.8	1.581	2.565	4.3	20.0
10 28	0 41.27	+ 4 49.6	1.619	2.561	8.9	20.3
11 7	0 35.41	+ 3 58.6	1.682	2.557	12.9	20.5
11 17	0 31.98	+ 3 23.9	1.765	2.552	16.2	20.7

123941 2001 EM_{18} 10 8.7 158.°59 4.°3/ 2.6 18

9 8	1 15.67	− 7 15.3	2.706	3.600	8.5	19.7
9 18	1 10.60	− 8 34.0	2.658	3.605	6.2	19.6
9 28	1 4.43	− 9 50.6	2.638	3.610	4.5	19.5
10 8	0 57.69	−10 59.4	2.647	3.615	4.6	19.5
10 18	0 50.98	−11 55.7	2.685	3.619	6.4	19.6
10 28	0 44.92	−12 36.1	2.751	3.623	8.6	19.8
11 7	0 40.04	−12 59.0	2.841	3.627	10.8	19.9
11 17	0 36.67	−13 4.6	2.952	3.630	12.6	20.1

60998 2000 KE_{28} 10 8.7 328.°10 0.°6/ 8.2 18

9 8	1 20.82	+ 7 38.6	1.211	2.111	16.3	18.8
9 18	1 15.38	+ 6 56.2	1.153	2.108	11.5	18.5
9 28	1 7.36	+ 5 58.3	1.116	2.105	6.1	18.2
10 8	0 57.88	+ 4 51.9	1.103	2.102	0.6	17.8
10 18	0 48.33	+ 3 46.3	1.115	2.100	5.8	18.2
10 28	0 40.21	+ 2 51.3	1.152	2.097	11.3	18.5
11 7	0 34.62	+ 2 14.3	1.211	2.095	16.1	18.8
11 17	0 32.16	+ 1 58.9	1.288	2.094	20.1	19.1

93358 2000 SS_{261} 10 8.7 11.°19 2.°9/ 6.4 18

9 8	1 21.09	+ 0 24.7	1.510	2.412	13.5	19.1
9 18	1 15.10	− 0 11.0	1.456	2.412	9.4	18.9
9 28	1 7.04	− 0 50.7	1.425	2.413	5.1	18.6
10 8	0 57.86	− 1 28.1	1.419	2.414	3.0	18.5
10 18	0 48.70	− 1 56.6	1.441	2.415	6.4	18.7
10 28	0 40.76	− 2 10.9	1.488	2.417	10.7	19.0
11 7	0 34.94	− 2 7.9	1.558	2.418	14.6	19.2
11 17	0 31.73	− 1 47.2	1.648	2.420	17.8	19.4

38137 1999 JH_{56} 10 8.7 205.°35 1.°8/ 7.1 18

9 8	1 20.97	+ 5 15.0	1.539	2.432	13.8	19.9
9 18	1 15.06	+ 4 8.7	1.476	2.430	9.6	19.6
9 28	1 7.05	+ 2 51.1	1.438	2.426	5.0	19.3
10 8	0 57.86	+ 1 29.5	1.425	2.423	1.8	19.1
10 18	0 48.63	+ 0 13.0	1.440	2.418	5.8	19.4
10 28	0 40.55	− 0 50.2	1.482	2.414	10.5	19.6
11 7	0 34.56	− 1 34.1	1.547	2.409	14.6	19.9
11 17	0 31.19	− 1 56.2	1.632	2.403	18.0	20.1

644 Cosima 10 8.7 357.°19 0.°9/ 8.0 18

9 8	1 17.43	+ 6 20.3	1.305	2.209	15.1	14.3
9 18	1 12.82	+ 5 46.0	1.248	2.205	10.6	14.0
9 28	1 5.95	+ 4 59.4	1.213	2.203	5.5	13.7
10 8	0 57.80	+ 4 7.0	1.202	2.201	0.9	13.4
10 18	0 49.61	+ 3 16.7	1.217	2.200	5.5	13.7
10 28	0 42.68	+ 2 36.5	1.256	2.201	10.6	14.0
11 7	0 38.00	+ 2 12.5	1.317	2.202	15.0	14.3
11 17	0 36.11	+ 2 7.5	1.397	2.204	18.7	14.5

19551 Peterborden 10 8.7 9.°19 2.°5/10.6 18

9 8	1 12.72	+15 32.5	0.917	1.822	19.8	16.4
9 18	1 10.06	+14 38.2	0.870	1.823	14.6	16.1
9 28	1 4.65	+13 12.1	0.841	1.826	8.7	15.8
10 8	0 57.72	+11 22.6	0.833	1.830	3.0	15.5
10 18	0 50.82	+ 9 23.4	0.847	1.837	5.5	15.7
10 28	0 45.55	+ 7 31.3	0.884	1.844	11.4	16.1
11 7	0 43.01	+ 6 0.0	0.940	1.854	16.7	16.4
11 17	0 43.69	+ 4 57.0	1.014	1.865	21.1	16.7

137464 1999 TV_{320} 10 8.7 22.°87 3.°2/ 7.0 17

9 8	1 24.46	− 0 27.4	1.059	1.972	16.9	19.1
9 18	1 17.95	− 0 30.4	1.018	1.979	11.9	18.8
9 28	1 8.68	− 0 35.7	0.997	1.987	6.4	18.6
10 8	0 57.97	− 0 37.0	1.000	1.995	3.3	18.4
10 18	0 47.47	− 0 28.4	1.026	2.005	7.4	18.7
10 28	0 38.79	− 0 5.8	1.076	2.016	12.5	19.0
11 7	0 33.00	+ 0 32.4	1.146	2.027	17.1	19.3
11 17	0 30.59	+ 1 25.8	1.235	2.040	20.9	19.6

315211 2007 RX_{52} 10 8.7 152°.28 3°.2/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 24.28	+16 16.6	1.553	2.410	15.8	21.1
9 18	1 17.42	+16 5.4	1.491	2.417	11.8	20.9
9 28	1 8.31	+15 33.9	1.451	2.423	7.5	20.7
10 8	0 57.96	+14 44.8	1.437	2.429	3.7	20.5
10 18	0 47.60	+13 43.7	1.449	2.434	4.7	20.5
10 28	0 38.54	+12 39.1	1.489	2.438	8.9	20.8
11 7	0 31.75	+11 39.6	1.554	2.442	13.0	21.1
11 17	0 27.78	+10 51.8	1.641	2.445	16.5	21.3

326028 2010 XM_{18} 10 8.7 287°.97 3°.6/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.56	− 2 27.2	2.110	3.008	10.4	20.7
9 18	1 11.60	− 3 27.8	2.039	2.993	7.3	20.5
9 28	1 5.12	− 4 30.7	1.994	2.978	4.5	20.3
10 8	0 57.76	− 5 29.7	1.977	2.963	3.8	20.2
10 18	0 50.30	− 6 19.0	1.988	2.948	6.3	20.3
10 28	0 43.59	− 6 53.4	2.025	2.932	9.5	20.5
11 7	0 38.33	− 7 10.1	2.088	2.917	12.6	20.7
11 17	0 35.01	− 7 8.3	2.170	2.902	15.2	20.8

49202 1998 SE_{111} 10 8.7 330°.86 0°.7/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.57	+10 1.6	1.151	2.054	16.7	18.2
9 18	1 12.64	+ 9 32.9	1.082	2.037	12.1	17.8
9 28	1 6.07	+ 8 44.7	1.033	2.021	6.7	17.5
10 8	0 57.83	+ 7 42.3	1.006	2.005	1.0	17.1
10 18	0 49.30	+ 6 34.6	1.004	1.991	5.5	17.3
10 28	0 42.03	+ 5 32.4	1.025	1.978	11.3	17.6
11 7	0 37.27	+ 4 45.4	1.066	1.966	16.5	17.9
11 17	0 35.72	+ 4 19.4	1.126	1.955	20.9	18.1

60704 2000 GK_{55} 10 8.7 16°.87 4°.8/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.60	− 6 14.1	1.216	2.123	15.7	17.5
9 18	1 19.14	− 5 51.5	1.176	2.132	11.2	17.3
9 28	1 9.18	− 5 22.6	1.158	2.142	6.8	17.1
10 8	0 58.01	− 4 42.8	1.164	2.154	4.9	17.0
10 18	0 47.14	− 3 49.7	1.196	2.167	7.9	17.2
10 28	0 38.02	− 2 42.9	1.253	2.182	12.2	17.5
11 7	0 31.62	− 1 23.9	1.333	2.198	16.2	17.8
11 17	0 28.38	+ 0 4.9	1.431	2.215	19.5	18.1

465011 2006 HQ_{14} 10 8.7 67°.07 1°.7/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.23	+ 3 36.6	1.175	2.076	16.6	20.7
9 18	1 18.82	+ 3 13.7	1.141	2.097	11.5	20.5
9 28	1 8.97	+ 2 43.0	1.130	2.119	5.9	20.3
10 8	0 57.99	+ 2 11.1	1.142	2.141	1.8	20.1
10 18	0 47.42	+ 1 45.3	1.181	2.162	6.2	20.4
10 28	0 38.67	+ 1 31.5	1.244	2.184	11.2	20.8
11 7	0 32.66	+ 1 33.5	1.330	2.206	15.6	21.1
11 17	0 29.79	+ 1 52.0	1.434	2.227	19.0	21.4

74918 1999 TE_{144} 10 8.7 52°.37 2°.3/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.80	+ 2 48.4	1.086	1.994	17.1	18.7
9 18	1 17.84	+ 2 16.9	1.059	2.019	11.8	18.5
9 28	1 8.43	+ 1 38.4	1.054	2.044	6.1	18.2
10 8	0 57.96	+ 1 1.0	1.073	2.070	2.4	18.1
10 18	0 47.99	+ 0 32.3	1.116	2.096	6.7	18.4
10 28	0 39.92	+ 0 18.4	1.183	2.123	11.7	18.8
11 7	0 34.66	+ 0 22.3	1.272	2.150	16.0	19.2
11 17	0 32.52	+ 0 44.1	1.380	2.177	19.4	19.5

478811 2012 VO_{2} 10 8.7 89°.42 6°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.33	+27 19.4	1.727	2.533	16.6	20.9
9 18	1 13.87	+27 3.6	1.661	2.541	13.6	20.7
9 28	1 6.40	+26 19.2	1.615	2.550	10.2	20.5
10 8	0 57.85	+25 7.3	1.594	2.558	7.4	20.4
10 18	0 49.32	+23 33.1	1.598	2.567	6.6	20.4
10 28	0 41.98	+21 45.6	1.630	2.575	8.5	20.5
11 7	0 36.68	+19 55.8	1.687	2.583	11.6	20.7
11 17	0 33.92	+18 13.6	1.768	2.592	14.7	20.9

186692 2004 BD_{17} 10 8.7 234°.41 0°.7/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.49	+ 5 46.3	1.794	2.676	12.8	20.9
9 18	1 16.75	+ 5 20.5	1.716	2.663	9.0	20.6
9 28	1 7.97	+ 4 45.4	1.663	2.650	4.7	20.3
10 8	0 57.96	+ 4 5.6	1.638	2.636	0.7	20.0
10 18	0 47.76	+ 3 26.5	1.641	2.622	4.7	20.3
10 28	0 38.52	+ 2 54.1	1.672	2.607	9.2	20.5
11 7	0 31.17	+ 2 33.3	1.728	2.592	13.2	20.7
11 17	0 26.32	+ 2 27.1	1.805	2.575	16.5	20.9

476888 2008 VT_{73} 10 8.7 37°.76 3°.7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.54	− 0 56.7	1.385	2.292	14.1	20.7
9 18	1 14.73	− 1 41.0	1.343	2.301	9.8	20.5
9 28	1 6.82	− 2 27.7	1.324	2.311	5.5	20.3
10 8	0 57.87	− 3 9.2	1.330	2.322	3.9	20.2
10 18	0 49.09	− 3 38.5	1.362	2.333	7.2	20.4
10 28	0 41.67	− 3 50.5	1.419	2.344	11.4	20.7
11 7	0 36.48	− 3 43.1	1.498	2.356	15.1	21.0
11 17	0 33.96	− 3 16.7	1.596	2.369	18.3	21.2

221417 2005 YA_{144} 10 8.7 57°.20 0°.8/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 17.47	+ 5 33.7	2.067	2.953	11.2	20.0
9 18	1 12.13	+ 5 0.2	2.013	2.962	7.7	19.8
9 28	1 5.33	+ 4 19.5	1.983	2.971	4.0	19.6
10 8	0 57.78	+ 3 36.2	1.981	2.980	0.8	19.4
10 18	0 50.29	+ 2 54.9	2.008	2.989	4.1	19.7
10 28	0 43.67	+ 2 20.8	2.063	2.999	7.7	19.9
11 7	0 38.59	+ 1 57.5	2.143	3.008	10.9	20.1
11 17	0 35.44	+ 1 47.2	2.246	3.018	13.6	20.3

68284 2001 FJ_{17} 10 8.7 344°.04 2°.1/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.17	+11 41.5	1.354	2.248	15.2	17.2
9 18	1 9.80	+ 8 23.1	1.284	2.239	10.5	16.9
9 28	1 4.35	+ 4 34.0	1.241	2.231	5.2	16.5
10 8	0 57.74	+ 0 31.0	1.227	2.224	2.4	16.3
10 18	0 51.07	− 3 24.6	1.244	2.217	7.3	16.6
10 28	0 45.54	− 6 52.4	1.290	2.212	12.6	16.9
11 7	0 42.05	− 9 39.3	1.360	2.208	17.0	17.2
11 17	0 41.12	−11 41.0	1.450	2.204	20.6	17.4

367037 2006 DT_{79} 10 8.7 137°.08 2°.1/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.70	+13 6.5	1.463	2.333	15.8	21.5
9 18	1 17.76	+12 53.5	1.405	2.341	11.6	21.3
9 28	1 8.51	+12 22.7	1.370	2.349	6.8	21.0
10 8	0 58.00	+11 37.6	1.360	2.356	2.5	20.8
10 18	0 47.53	+10 44.4	1.377	2.363	4.6	21.0
10 28	0 38.44	+ 9 51.3	1.421	2.369	9.3	21.3
11 7	0 31.71	+ 9 6.1	1.490	2.375	13.6	21.5
11 17	0 27.88	+ 8 34.2	1.579	2.381	17.2	21.8

475406 2006 JP_{16} 10 8.7 69°.99 3°.5/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.71	− 1 14.5	1.656	2.556	12.6	21.1
9 18	1 14.62	− 1 59.3	1.610	2.565	8.8	20.9
9 28	1 6.71	− 2 45.9	1.588	2.574	5.0	20.7
10 8	0 57.89	− 3 27.9	1.592	2.583	3.6	20.6
10 18	0 49.18	− 3 59.1	1.624	2.592	6.5	20.8
10 28	0 41.64	− 4 14.9	1.682	2.602	10.3	21.1
11 7	0 36.05	− 4 13.1	1.763	2.611	13.7	21.3
11 17	0 32.84	− 3 53.8	1.865	2.620	16.6	21.5

449730 2014 NR_{25} 10 8.7 60°.46 3°.5/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.77	− 1 41.8	1.955	2.855	11.0	20.9
9 18	1 11.65	− 2 48.6	1.913	2.868	7.6	20.7
9 28	1 5.08	− 3 56.7	1.896	2.881	4.5	20.6
10 8	0 57.79	− 4 59.5	1.907	2.894	3.7	20.6
10 18	0 50.61	− 5 51.1	1.946	2.908	6.3	20.7
10 28	0 44.37	− 6 26.8	2.011	2.921	9.4	21.0
11 7	0 39.71	− 6 44.2	2.101	2.935	12.4	21.2
11 17	0 37.01	− 6 43.3	2.211	2.948	14.8	21.4

44915 1999 VR_{27} 10 8.7 29°.81 3°.3/11.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.40	+16 3.6	0.977	1.870	19.8	17.4
9 18	1 13.13	+15 34.1	0.939	1.885	14.7	17.2
9 28	1 6.17	+14 36.3	0.920	1.900	9.0	16.9
10 8	0 57.86	+13 16.8	0.922	1.917	3.9	16.7
10 18	0 49.78	+11 46.6	0.947	1.936	5.4	16.9
10 28	0 43.47	+10 19.4	0.996	1.955	10.7	17.2
11 7	0 39.94	+ 9 6.7	1.065	1.975	15.5	17.6
11 17	0 39.59	+ 8 15.4	1.153	1.996	19.6	17.9

236924 2007 TS_{160} 10 8.7 21°.35 1°.8/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.45	+ 1 3.9	1.222	2.127	15.8	18.4
9 18	1 17.69	+ 1 23.5	1.180	2.138	11.0	18.2
9 28	1 8.47	+ 1 39.8	1.160	2.149	5.8	17.9
10 8	0 58.01	+ 1 56.8	1.164	2.162	1.8	17.7
10 18	0 47.76	+ 2 18.2	1.194	2.176	6.0	18.0
10 28	0 39.14	+ 2 47.4	1.248	2.191	10.9	18.4
11 7	0 33.14	+ 3 26.5	1.326	2.207	15.2	18.7
11 17	0 30.22	+ 4 15.9	1.422	2.224	18.7	19.0

483975 2006 BK_{251} 10 8.7 184°.87 0°.1/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.75	+ 8 26.7	2.624	3.494	9.6	22.4
9 18	1 11.46	+ 7 56.0	2.554	3.494	6.8	22.3
9 28	1 4.96	+ 7 17.4	2.510	3.494	3.6	22.1
10 8	0 57.79	+ 6 34.0	2.494	3.493	0.3	21.8
10 18	0 50.60	+ 5 49.7	2.509	3.493	3.1	22.0
10 28	0 44.07	+ 5 8.7	2.553	3.491	6.3	22.2
11 7	0 38.74	+ 4 34.9	2.625	3.490	9.1	22.4
11 17	0 35.03	+ 4 11.0	2.720	3.488	11.6	22.6

310288 2011 UB_{78} 10 8.7 16°.18 1°.4/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.82	+11 12.5	1.605	2.485	14.1	20.5
9 18	1 13.50	+10 57.7	1.545	2.487	10.2	20.3
9 28	1 6.23	+10 28.5	1.508	2.490	5.8	20.0
10 8	0 57.87	+ 9 48.7	1.496	2.494	1.6	19.8
10 18	0 49.51	+ 9 3.9	1.511	2.498	4.2	20.0
10 28	0 42.24	+ 8 20.8	1.553	2.502	8.6	20.2
11 7	0 36.94	+ 7 45.8	1.620	2.507	12.6	20.5
11 17	0 34.12	+ 7 23.3	1.707	2.512	15.9	20.7

222027 1998 SK_{113} 10 8.7 36°.35 2°.8/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.14	− 0 0.6	1.798	2.698	11.8	19.3
9 18	1 12.71	− 0 38.9	1.754	2.709	8.2	19.2
9 28	1 5.67	− 1 19.8	1.734	2.721	4.5	19.0
10 8	0 57.84	− 1 57.8	1.741	2.734	2.9	18.9
10 18	0 50.12	− 2 27.3	1.775	2.747	5.7	19.1
10 28	0 43.43	− 2 44.2	1.836	2.760	9.3	19.3
11 7	0 38.48	− 2 45.8	1.921	2.773	12.6	19.6
11 17	0 35.67	− 2 31.8	2.026	2.787	15.3	19.8

56150 1999 CT_{103} 10 8.7 217°.21 1°.1/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.56	+12 1.7	2.003	2.867	12.4	19.6
9 18	1 14.53	+11 26.8	1.925	2.859	9.0	19.4
9 28	1 6.73	+10 37.8	1.871	2.851	5.1	19.2
10 8	0 57.91	+ 9 38.3	1.844	2.842	1.4	18.9
10 18	0 48.98	+ 8 33.5	1.847	2.832	3.7	19.0
10 28	0 40.90	+ 7 30.4	1.878	2.822	7.8	19.3
11 7	0 34.50	+ 6 35.3	1.936	2.811	11.5	19.5
11 17	0 30.29	+ 5 52.7	2.016	2.799	14.6	19.7

48003 2001 BZ_{49} 10 8.7 170°.00 1°.4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.01	+12 54.5	2.871	3.721	9.5	20.0
9 18	1 12.27	+12 42.4	2.798	3.724	6.9	19.8
9 28	1 5.36	+12 20.7	2.752	3.727	4.1	19.6
10 8	0 57.83	+11 51.6	2.734	3.729	1.6	19.5
10 18	0 50.26	+11 17.8	2.747	3.731	2.8	19.5
10 28	0 43.32	+10 43.0	2.790	3.733	5.5	19.7
11 7	0 37.54	+10 11.1	2.861	3.734	8.2	19.9
11 17	0 33.30	+ 9 45.3	2.957	3.735	10.5	20.1

397749 2008 FU_{59} 10 8.7 91°.12 2°.5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.89	+ 0 5.8	2.201	3.093	10.3	20.9
9 18	1 12.30	− 0 45.1	2.157	3.109	7.1	20.8
9 28	1 5.38	− 1 38.5	2.139	3.125	3.9	20.6
10 8	0 57.82	− 2 29.0	2.149	3.141	2.7	20.5
10 18	0 50.38	− 3 11.8	2.188	3.156	5.1	20.7
10 28	0 43.81	− 3 42.7	2.255	3.172	8.2	20.9
11 7	0 38.70	− 3 59.2	2.348	3.187	11.1	21.2
11 17	0 35.41	− 4 0.6	2.462	3.202	13.4	21.4

518284 2017 AD 10 8.7 207°.61 5°.0/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.48	−10 17.8	2.619	3.509	8.9	21.6
9 18	1 11.96	−11 16.5	2.563	3.505	6.7	21.5
9 28	1 5.22	−12 11.0	2.534	3.500	5.2	21.4
10 8	0 57.82	−12 56.0	2.534	3.495	5.3	21.4
10 18	0 50.42	−13 27.2	2.562	3.489	7.0	21.5
10 28	0 43.70	−13 42.0	2.617	3.483	9.2	21.6
11 7	0 38.23	−13 39.2	2.696	3.477	11.4	21.8
11 17	0 34.40	−13 19.6	2.795	3.470	13.3	21.9

403031 2007 YG_{14} 10 8.7 217°.33 5°.9/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.92	+27 16.9	2.463	3.242	13.0	21.6
9 18	1 14.71	+27 33.2	2.374	3.235	10.7	21.4
9 28	1 6.82	+27 29.9	2.308	3.227	8.4	21.2
10 8	0 57.93	+27 6.4	2.267	3.219	6.5	21.1
10 18	0 48.87	+26 24.3	2.254	3.210	6.0	21.1
10 28	0 40.53	+25 28.0	2.270	3.201	7.4	21.1
11 7	0 33.72	+24 23.9	2.312	3.191	9.7	21.3
11 17	0 28.95	+23 18.6	2.379	3.181	12.1	21.4

226022 2002 EX_{112} 10 8.7 6°.27 0°.1/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 11.78	+ 6 39.7	3.914	4.786	6.7	20.4
9 18	1 7.71	+ 6 21.9	3.844	4.786	4.7	20.2
9 28	1 2.89	+ 5 59.9	3.802	4.787	2.4	20.1
10 8	0 57.68	+ 5 35.6	3.789	4.788	0.2	19.8
10 18	0 52.45	+ 5 11.3	3.806	4.789	2.2	20.1
10 28	0 47.61	+ 4 49.2	3.854	4.790	4.4	20.2
11 7	0 43.52	+ 4 31.7	3.929	4.791	6.5	20.4
11 17	0 40.46	+ 4 20.3	4.029	4.792	8.2	20.5

346613 2008 WB_{81} 10 8.7 348°.38 2°.7/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.06	+ 2 45.1	1.319	2.229	14.5	19.8
9 18	1 12.57	+ 1 49.4	1.262	2.223	10.1	19.5
9 28	1 5.85	+ 0 44.9	1.227	2.218	5.3	19.2
10 8	0 57.88	− 0 20.2	1.217	2.213	2.8	19.0
10 18	0 49.85	− 1 17.1	1.232	2.209	6.7	19.3
10 28	0 43.04	− 1 57.7	1.271	2.207	11.5	19.5
11 7	0 38.43	− 2 17.1	1.332	2.204	15.8	19.8
11 17	0 36.57	− 2 13.8	1.412	2.203	19.3	20.0

102299 1999 TV_{86} 10 8.7 354°.93 1°.4/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.37	+ 6 38.0	1.046	1.961	17.0	19.0
9 18	1 12.47	+ 5 42.1	0.994	1.956	11.9	18.7
9 28	1 5.93	+ 4 29.8	0.961	1.952	6.2	18.3
10 8	0 57.89	+ 3 10.3	0.951	1.950	1.4	18.0
10 18	0 49.78	+ 1 54.9	0.964	1.948	6.6	18.4
10 28	0 43.17	+ 0 55.1	1.000	1.948	12.3	18.7
11 7	0 39.16	+ 0 18.4	1.057	1.949	17.3	19.0
11 17	0 38.33	+ 0 7.7	1.130	1.951	21.4	19.3

111461 2001 XN_{259} 10 8.7 334°.22 2°.1/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.88	+ 2 1.6	2.309	3.203	9.8	19.8
9 18	1 9.60	+ 0 58.6	2.244	3.198	6.7	19.6
9 28	1 4.04	− 0 9.6	2.205	3.193	3.6	19.4
10 8	0 57.76	− 1 17.6	2.194	3.188	2.2	19.3
10 18	0 51.46	− 2 19.8	2.212	3.183	4.8	19.4
10 28	0 45.84	− 3 11.1	2.258	3.178	8.0	19.6
11 7	0 41.50	− 3 47.8	2.329	3.174	10.9	19.8
11 17	0 38.84	− 4 8.3	2.422	3.170	13.4	20.0

389374 2009 WE_{2} 10 8.7 307°.76 1°.9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.56	+ 4 7.1	1.348	2.252	14.7	21.2
9 18	1 14.48	+ 3 25.4	1.277	2.234	10.4	20.9
9 28	1 6.98	+ 2 32.8	1.228	2.217	5.4	20.6
10 8	0 57.97	+ 1 36.2	1.203	2.201	2.0	20.3
10 18	0 48.70	+ 0 43.9	1.204	2.184	6.3	20.6
10 28	0 40.58	+ 0 4.4	1.230	2.168	11.5	20.8
11 7	0 34.73	− 0 16.4	1.277	2.153	16.1	21.1
11 17	0 31.81	− 0 15.9	1.344	2.138	20.0	21.3

263360 2008 CK_{147} 10 8.7 304°.81 3°.3/ 5.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.11	+ 3 37.8	1.256	2.166	15.0	20.6
9 18	1 12.82	+ 2 5.3	1.189	2.150	10.5	20.3
9 28	1 6.10	+ 0 18.3	1.144	2.134	5.6	20.0
10 8	0 57.91	− 1 32.2	1.124	2.119	3.5	19.8
10 18	0 49.51	− 3 13.9	1.129	2.103	7.8	20.0
10 28	0 42.30	− 4 34.8	1.158	2.088	12.9	20.3
11 7	0 37.39	− 5 27.5	1.209	2.074	17.6	20.5
11 17	0 35.44	− 5 49.8	1.276	2.060	21.4	20.7

340961 2007 EW_{92} 10 8.7 307°.93 0°.6/ 9.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.37	+10 15.0	2.714	3.582	9.4	21.1
9 18	1 9.90	+ 9 51.1	2.623	3.561	6.8	20.9
9 28	1 4.21	+ 9 18.1	2.558	3.540	3.8	20.6
10 8	0 57.80	+ 8 38.5	2.521	3.519	0.8	20.4
10 18	0 51.25	+ 7 55.8	2.513	3.498	2.9	20.5
10 28	0 45.22	+ 7 14.3	2.535	3.478	6.0	20.7
11 7	0 40.30	+ 6 38.0	2.583	3.457	9.0	20.9
11 17	0 36.90	+ 6 10.2	2.656	3.437	11.5	21.0

177346 2003 YG_{130} 10 8.7 252°.36 5°.4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.28	− 7 54.7	1.997	2.895	10.9	19.8
9 18	1 13.57	− 8 57.7	1.937	2.885	8.1	19.6
9 28	1 6.21	− 9 57.8	1.902	2.876	5.8	19.5
10 8	0 57.93	−10 48.2	1.894	2.866	5.7	19.4
10 18	0 49.62	−11 22.8	1.914	2.856	8.0	19.6
10 28	0 42.18	−11 37.8	1.960	2.846	10.9	19.7
11 7	0 36.36	−11 31.7	2.029	2.835	13.8	19.9
11 17	0 32.65	−11 5.6	2.117	2.825	16.2	20.1

434935 2006 TO_{124} 10 8.7 265°.26 0°.3/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.98	+ 6 57.3	1.579	2.465	14.0	21.9
9 18	1 16.69	+ 6 37.2	1.501	2.449	10.0	21.7
9 28	1 8.10	+ 6 5.9	1.445	2.432	5.3	21.4
10 8	0 58.07	+ 5 27.5	1.416	2.415	0.4	21.0
10 18	0 47.76	+ 4 48.1	1.414	2.398	4.9	21.3
10 28	0 38.49	+ 4 14.4	1.440	2.381	9.9	21.5
11 7	0 31.30	+ 3 52.4	1.489	2.363	14.3	21.7
11 17	0 26.89	+ 3 45.7	1.558	2.345	18.0	21.9

385734 2005 UQ_{444} 10 8.7 328°.41 25°.1/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.12	−41 47.8	0.900	1.747	25.1	19.5
9 18	1 19.43	−44 30.3	0.895	1.739	25.3	19.5
9 28	1 9.77	−46 14.4	0.904	1.731	26.1	19.6
10 8	0 58.16	−46 47.5	0.924	1.724	27.4	19.6
10 18	0 47.03	−46 6.7	0.955	1.718	29.0	19.7
10 28	0 38.63	−44 18.2	0.994	1.712	30.5	19.9
11 7	0 34.18	−41 34.9	1.041	1.707	31.9	20.0
11 17	0 33.90	−38 10.3	1.096	1.703	33.2	20.1

404049 2012 DR_{9} 10 8.7 271°.22 3°.3/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.71	+17 6.3	2.184	3.026	12.4	21.4
9 18	1 13.89	+17 14.4	2.105	3.020	9.4	21.2
9 28	1 6.41	+17 7.9	2.050	3.014	6.3	21.0
10 8	0 57.96	+16 47.7	2.022	3.009	3.6	20.9
10 18	0 49.37	+16 16.7	2.022	3.003	4.1	20.9
10 28	0 41.57	+15 39.5	2.051	2.997	7.0	21.1
11 7	0 35.31	+15 1.9	2.106	2.992	10.2	21.3
11 17	0 31.12	+14 29.0	2.185	2.986	13.0	21.4

258684 2002 EX_{157} 10 8.7 12°.26 0°.4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 10.55	+ 5 54.1	3.931	4.807	6.6	20.5
9 18	1 6.87	+ 5 18.9	3.863	4.808	4.5	20.3
9 28	1 2.48	+ 4 39.6	3.823	4.809	2.3	20.2
10 8	0 57.70	+ 3 58.5	3.812	4.811	0.4	20.0
10 18	0 52.91	+ 3 18.2	3.832	4.812	2.4	20.2
10 28	0 48.51	+ 2 41.5	3.881	4.813	4.6	20.4
11 7	0 44.84	+ 2 10.6	3.959	4.815	6.6	20.5
11 17	0 42.16	+ 1 47.3	4.061	4.817	8.3	20.6

517899 2015 TB_{85} 10 8.7 25°.70 6°.9/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.22	−13 29.5	1.843	2.733	12.1	20.3
9 18	1 16.25	−13 55.1	1.800	2.739	9.3	20.2
9 28	1 7.55	−14 10.5	1.783	2.745	7.3	20.1
10 8	0 58.03	−14 10.0	1.791	2.751	7.2	20.1
10 18	0 48.68	−13 50.1	1.827	2.758	9.0	20.2
10 28	0 40.52	−13 9.6	1.888	2.765	11.7	20.4
11 7	0 34.26	−12 10.3	1.972	2.773	14.3	20.6
11 17	0 30.33	−10 55.0	2.076	2.781	16.6	20.8

288533 2004 GX_9 10 8.7 302°.35 0°.8/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.20	+ 7 43.8	1.887	2.773	12.0	21.2
9 18	1 11.47	+ 6 35.9	1.821	2.771	8.4	21.0
9 28	1 5.12	+ 5 16.1	1.780	2.768	4.3	20.7
10 8	0 57.87	+ 3 50.7	1.766	2.765	0.8	20.5
10 18	0 50.60	+ 2 26.9	1.781	2.762	4.5	20.8
10 28	0 44.20	+ 1 12.3	1.824	2.760	8.5	21.0
11 7	0 39.42	+ 0 12.9	1.891	2.757	12.1	21.2
11 17	0 36.71	− 0 28.2	1.981	2.754	15.1	21.4

369520 2010 VW_{216} 10 8.7 358°.85 4°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.78	+19 22.2	1.099	1.976	19.4	20.7
9 18	1 12.84	+19 1.1	1.040	1.973	15.0	20.4
9 28	1 6.19	+18 8.3	1.000	1.971	10.0	20.1
10 8	0 57.95	+16 47.1	0.980	1.971	5.5	19.9
10 18	0 49.62	+15 6.3	0.985	1.971	5.9	19.9
10 28	0 42.78	+13 19.6	1.012	1.972	10.5	20.2
11 7	0 38.61	+11 41.5	1.062	1.974	15.4	20.5
11 17	0 37.70	+10 22.1	1.131	1.977	19.7	20.7

390478 2013 YP_{147} 10 8.7 72°.02 5°.6/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.67	− 5 30.1	1.559	2.465	12.9	20.4
9 18	1 13.95	− 6 51.8	1.524	2.479	9.2	20.2
9 28	1 6.39	− 8 10.7	1.513	2.492	6.2	20.1
10 8	0 57.95	− 9 18.0	1.528	2.506	6.0	20.1
10 18	0 49.71	−10 6.4	1.569	2.520	8.6	20.3
10 28	0 42.70	−10 31.3	1.636	2.533	12.0	20.5
11 7	0 37.70	−10 31.9	1.724	2.547	15.1	20.8
11 17	0 35.09	−10 9.8	1.830	2.561	17.7	21.0

126769 2002 DE_{13} 10 8.7 84°.63 1°.0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.71	+ 5 22.0	2.158	3.042	10.8	20.0
9 18	1 12.24	+ 4 39.3	2.108	3.057	7.5	19.8
9 28	1 5.41	+ 3 49.8	2.084	3.071	3.8	19.6
10 8	0 57.90	+ 2 58.2	2.088	3.086	1.0	19.4
10 18	0 50.49	+ 2 9.6	2.121	3.100	4.0	19.7
10 28	0 43.94	+ 1 28.9	2.182	3.115	7.5	19.9
11 7	0 38.87	+ 0 59.8	2.269	3.129	10.6	20.1
11 17	0 35.66	+ 0 44.2	2.379	3.143	13.2	20.3

117297 2004 UH_8 10 8.7 308°.23 3°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.30	+18 53.6	2.181	3.021	12.5	19.6
9 18	1 11.47	+18 30.3	2.104	3.017	9.6	19.4
9 28	1 5.11	+17 49.4	2.050	3.013	6.4	19.2
10 8	0 57.89	+16 53.3	2.022	3.009	3.6	19.1
10 18	0 50.60	+15 46.1	2.023	3.005	3.9	19.1
10 28	0 44.09	+14 34.2	2.052	3.001	6.8	19.3
11 7	0 39.06	+13 24.3	2.108	2.998	10.0	19.4
11 17	0 35.97	+12 22.3	2.188	2.994	12.8	19.6

521625 2015 PV_{321} 10 8.7 89°.34 1°.9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.94	+13 30.3	1.918	2.782	12.9	21.3
9 18	1 13.39	+13 10.3	1.853	2.786	9.5	21.1
9 28	1 6.14	+12 35.5	1.812	2.789	5.6	20.9
10 8	0 57.96	+11 49.3	1.797	2.793	2.1	20.7
10 18	0 49.77	+10 56.6	1.811	2.796	3.7	20.8
10 28	0 42.51	+10 3.7	1.852	2.800	7.5	21.0
11 7	0 36.96	+ 9 16.7	1.919	2.803	11.1	21.2
11 17	0 33.59	+ 8 40.3	2.009	2.807	14.1	21.5

309044 2006 UB_{246} 10 8.7 186°.26 0°.3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.58	+ 7 27.7	1.964	2.845	11.8	21.5
9 18	1 13.09	+ 6 54.5	1.899	2.845	8.3	21.2
9 28	1 5.97	+ 6 11.7	1.859	2.845	4.4	21.0
10 8	0 57.95	+ 5 23.6	1.846	2.845	0.3	20.7
10 18	0 49.92	+ 4 35.6	1.862	2.845	4.0	21.0
10 28	0 42.77	+ 3 53.4	1.906	2.845	8.0	21.2
11 7	0 37.25	+ 3 21.6	1.975	2.845	11.5	21.5
11 17	0 33.82	+ 3 3.3	2.066	2.845	14.4	21.7

147872 2006 QT_{24} 10 8.7 336°.45 1°.1/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.84	+ 8 30.6	1.394	2.286	15.1	19.1
9 18	1 14.70	+ 8 44.7	1.320	2.269	10.9	18.8
9 28	1 7.13	+ 8 47.3	1.268	2.253	6.1	18.5
10 8	0 58.04	+ 8 40.9	1.240	2.238	1.3	18.1
10 18	0 48.65	+ 8 29.8	1.238	2.224	4.8	18.3
10 28	0 40.35	+ 8 19.7	1.261	2.212	9.9	18.6
11 7	0 34.29	+ 8 16.5	1.306	2.200	14.5	18.8
11 17	0 31.15	+ 8 24.3	1.372	2.189	18.5	19.0

482205 2010 VF_{173} 10 8.7 181°.78 6°.1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.30	−14 43.4	2.564	3.447	9.4	21.2
9 18	1 13.23	−15 33.3	2.517	3.448	7.4	21.0
9 28	1 5.91	−16 15.2	2.497	3.448	6.2	21.0
10 8	0 57.95	−16 44.2	2.504	3.448	6.4	21.0
10 18	0 50.04	−16 56.7	2.539	3.447	7.9	21.1
10 28	0 42.91	−16 50.6	2.600	3.447	10.0	21.2
11 7	0 37.12	−16 26.3	2.684	3.446	12.0	21.4
11 17	0 33.06	−15 45.2	2.789	3.445	13.7	21.5

367816 2011 AP_{60} 10 8.7 266°.15 1°.7/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.93	+13 25.9	2.445	3.299	10.8	21.5
9 18	1 12.53	+13 14.1	2.357	3.284	8.0	21.3
9 28	1 5.67	+12 50.7	2.294	3.269	4.8	21.1
10 8	0 57.94	+12 17.6	2.258	3.253	2.0	20.9
10 18	0 50.06	+11 38.0	2.253	3.237	3.2	20.9
10 28	0 42.81	+10 56.7	2.276	3.221	6.5	21.1
11 7	0 36.88	+10 18.3	2.326	3.205	9.6	21.3
11 17	0 32.75	+ 9 47.1	2.401	3.189	12.4	21.5

202421 2005 UQ_{513} 10 8.7 229°.47 0°.5/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	0 59.77	+34 23.9	47.213	47.891	0.9	20.4
9 18	0 59.05	+34 23.4	47.120	47.889	0.8	20.4
9 28	0 58.27	+34 21.6	47.049	47.886	0.7	20.4
10 8	0 57.46	+34 18.7	47.003	47.884	0.6	20.4
10 18	0 56.64	+34 14.8	46.984	47.882	0.5	20.4
10 28	0 55.86	+34 9.9	46.991	47.879	0.5	20.4
11 7	0 55.13	+34 4.3	47.026	47.877	0.6	20.4
11 17	0 54.48	+33 58.1	47.087	47.875	0.7	20.4

289490 2005 EC_{107} 10 8.7 181°.46 2°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.47	+15 20.1	2.103	2.957	12.3	20.7
9 18	1 12.98	+14 39.8	2.031	2.957	9.1	20.5
9 28	1 5.90	+13 43.4	1.983	2.958	5.5	20.3
10 8	0 57.96	+12 34.5	1.963	2.957	2.3	20.1
10 18	0 50.00	+11 18.4	1.972	2.957	3.5	20.2
10 28	0 42.88	+10 2.1	2.009	2.956	7.1	20.4
11 7	0 37.33	+ 8 52.3	2.074	2.955	10.5	20.6
11 17	0 33.82	+ 7 54.1	2.162	2.953	13.5	20.8

266733 2009 RO_{68} 10 8.7 302°.54 0°.4/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.09	+ 6 43.3	2.101	2.984	11.1	21.0
9 18	1 12.07	+ 6 14.3	2.023	2.970	7.8	20.8
9 28	1 5.46	+ 5 36.6	1.970	2.957	4.1	20.5
10 8	0 57.94	+ 4 54.0	1.944	2.943	0.4	20.2
10 18	0 50.29	+ 4 11.5	1.947	2.930	3.9	20.4
10 28	0 43.38	+ 3 34.1	1.978	2.917	7.8	20.7
11 7	0 37.95	+ 3 6.6	2.035	2.904	11.2	20.9
11 17	0 34.48	+ 2 51.7	2.114	2.891	14.2	21.0

153576 2001 SJ_{230} 10 8.7 224°.72 0°.5/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.59	+ 6 51.8	1.869	2.749	12.4	20.2
9 18	1 15.36	+ 6 19.2	1.795	2.741	8.8	20.0
9 28	1 7.26	+ 5 36.5	1.746	2.733	4.6	19.7
10 8	0 58.07	+ 4 48.3	1.724	2.723	0.5	19.4
10 18	0 48.76	+ 4 0.2	1.731	2.714	4.4	19.6
10 28	0 40.37	+ 3 18.3	1.766	2.704	8.7	19.9
11 7	0 33.76	+ 2 47.8	1.827	2.693	12.5	20.1
11 17	0 29.47	+ 2 31.8	1.909	2.682	15.7	20.3

174765 2003 WZ_{25} 10 8.7 339°.23 21°.6/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.37	+52 57.1	1.502	2.127	25.5	19.0
9 18	1 20.67	+55 41.5	1.430	2.109	24.6	18.8
9 28	1 11.42	+57 49.8	1.368	2.092	23.6	18.7
10 8	0 58.40	+59 10.1	1.319	2.077	22.7	18.6
10 18	0 43.62	+59 33.6	1.283	2.063	22.0	18.5
10 28	0 30.19	+58 58.4	1.261	2.050	21.6	18.4
11 7	0 20.92	+57 32.1	1.252	2.039	21.7	18.4
11 17	0 17.39	+55 28.0	1.258	2.029	22.3	18.4

298093 2002 RQ_{46} 10 8.7 12°.49 1°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.55	+ 9 58.4	1.400	2.284	15.5	19.6
9 18	1 16.41	+10 23.2	1.343	2.287	11.3	19.3
9 28	1 7.92	+10 35.0	1.308	2.291	6.5	19.1
10 8	0 58.11	+10 36.0	1.298	2.295	2.1	18.8
10 18	0 48.27	+10 30.0	1.314	2.301	4.6	19.0
10 28	0 39.74	+10 22.4	1.356	2.307	9.4	19.3
11 7	0 33.55	+10 18.9	1.422	2.314	13.7	19.6
11 17	0 30.27	+10 23.7	1.508	2.322	17.3	19.8

256736 2008 BK_4 10 8.7 336°.61 0°.1/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.16	+ 7 5.8	1.077	1.984	17.2	20.4
9 18	1 15.32	+ 6 55.7	1.015	1.973	12.3	20.0
9 28	1 7.59	+ 6 31.2	0.973	1.963	6.6	19.7
10 8	0 58.10	+ 5 57.8	0.954	1.953	0.4	19.2
10 18	0 48.37	+ 5 22.9	0.958	1.945	5.9	19.6
10 28	0 40.10	+ 4 55.4	0.985	1.937	11.9	19.9
11 7	0 34.59	+ 4 42.6	1.033	1.931	17.1	20.2
11 17	0 32.52	+ 4 48.1	1.098	1.925	21.5	20.5

46863 1998 QE_{75} 10 8.7 196.°00 7.°0/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.98	+27 19.0	2.062	2.850	14.9	19.2
9 18	1 16.44	+27 51.9	1.984	2.849	12.4	19.0
9 28	1 7.90	+28 2.6	1.927	2.847	9.7	18.8
10 8	0 58.14	+27 49.7	1.894	2.845	7.6	18.7
10 18	0 48.19	+27 14.7	1.888	2.843	7.0	18.7
10 28	0 39.17	+26 22.3	1.910	2.841	8.5	18.8
11 7	0 32.00	+25 20.4	1.957	2.839	11.0	18.9
11 17	0 27.29	+24 16.9	2.028	2.836	13.6	19.1

428601 2008 ET_{92} 10 8.7 201.°11 9.°8/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.80	−23 49.7	2.184	3.045	11.6	22.1
9 18	1 16.69	−25 26.9	2.145	3.040	10.3	22.0
9 28	1 7.86	−26 48.2	2.132	3.034	9.8	22.0
10 8	0 58.13	−27 45.8	2.144	3.027	10.5	22.0
10 18	0 48.44	−28 14.9	2.181	3.019	12.1	22.1
10 28	0 39.74	−28 13.6	2.241	3.010	13.9	22.2
11 7	0 32.82	−27 44.2	2.320	3.000	15.7	22.4
11 17	0 28.12	−26 50.6	2.415	2.989	17.2	22.5

294744 2008 CW_4 10 8.7 193.°76 0.°1/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.16	+ 7 34.6	3.778	4.645	7.0	21.6
9 18	1 8.74	+ 7 4.3	3.703	4.643	4.9	21.5
9 28	1 3.51	+ 6 28.8	3.656	4.641	2.6	21.3
10 8	0 57.84	+ 5 50.4	3.639	4.639	0.2	21.1
10 18	0 52.16	+ 5 11.7	3.653	4.636	2.3	21.3
10 28	0 46.89	+ 4 35.6	3.697	4.633	4.6	21.5
11 7	0 42.42	+ 4 4.6	3.770	4.629	6.8	21.6
11 17	0 39.03	+ 3 40.8	3.868	4.626	8.6	21.8

42821 1999 NV_{11} 10 8.7 12.°30 6.°0/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.19	+17 0.8	0.785	1.692	22.0	17.2
9 18	1 12.17	+17 39.4	0.748	1.697	16.9	16.9
9 28	1 5.97	+17 46.4	0.727	1.704	11.4	16.7
10 8	0 58.01	+17 23.4	0.724	1.714	6.7	16.5
10 18	0 50.11	+16 37.6	0.741	1.727	7.1	16.6
10 28	0 44.15	+15 41.5	0.778	1.742	11.7	16.9
11 7	0 41.38	+14 48.9	0.833	1.759	16.8	17.2
11 17	0 42.26	+14 9.3	0.906	1.779	21.1	17.6

231625 2009 SO_{255} 10 8.7 312.°94 12.°3/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.68	−32 49.6	2.125	2.960	12.9	19.5
9 18	1 13.26	−34 25.9	2.096	2.948	12.3	19.4
9 28	1 6.10	−35 39.7	2.090	2.935	12.5	19.4
10 8	0 58.01	−36 23.8	2.105	2.922	13.3	19.4
10 18	0 49.96	−36 34.3	2.140	2.910	14.6	19.5
10 28	0 42.93	−36 10.6	2.194	2.898	16.0	19.6
11 7	0 37.68	−35 15.9	2.263	2.886	17.3	19.7
11 17	0 34.66	−33 54.9	2.346	2.875	18.5	19.8

226446 2003 SB_{71} 10 8.7 281.°13 4.°1/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.25	+21 15.1	2.314	3.137	12.4	20.0
9 18	1 12.17	+21 9.6	2.227	3.127	9.8	19.9
9 28	1 5.54	+20 46.6	2.164	3.116	6.9	19.7
10 8	0 57.99	+20 7.0	2.127	3.105	4.5	19.5
10 18	0 50.29	+19 13.8	2.118	3.095	4.4	19.5
10 28	0 43.30	+18 12.3	2.138	3.084	6.8	19.6
11 7	0 37.75	+17 8.9	2.184	3.073	9.7	19.8
11 17	0 34.14	+16 9.6	2.255	3.063	12.4	19.9

327514 2006 BF_{54} 10 8.7 250.°35 4.°8/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.54	− 7 40.1	2.482	3.378	9.1	21.0
9 18	1 10.76	− 9 7.1	2.419	3.366	6.7	20.9
9 28	1 4.71	−10 32.7	2.383	3.354	5.0	20.7
10 8	0 57.93	−11 50.5	2.376	3.342	5.2	20.7
10 18	0 51.10	−12 54.7	2.398	3.329	7.2	20.8
10 28	0 44.90	−13 41.0	2.446	3.316	9.7	21.0
11 7	0 39.93	−14 7.3	2.518	3.303	12.0	21.1
11 17	0 36.62	−14 13.7	2.610	3.289	14.1	21.3

179886 2002 UU_{20} 10 8.7 32.°74 1.°4/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.60	+10 36.3	0.965	1.870	19.0	18.7
9 18	1 15.32	+10 22.4	0.934	1.889	13.5	18.5
9 28	1 7.35	+ 9 49.1	0.923	1.910	7.5	18.3
10 8	0 58.10	+ 9 2.7	0.933	1.931	1.7	18.0
10 18	0 49.21	+ 8 12.6	0.967	1.955	5.4	18.3
10 28	0 42.21	+ 7 28.6	1.023	1.979	11.0	18.7
11 7	0 38.07	+ 6 58.6	1.101	2.004	15.8	19.1
11 17	0 37.17	+ 6 46.4	1.196	2.030	19.7	19.4

315934 2008 SV_{279} 10 8.7 335.°23 0.°0/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.08	+ 7 9.5	3.748	4.619	7.0	20.3
9 18	1 8.01	+ 6 51.8	3.672	4.614	4.9	20.2
9 28	1 3.14	+ 6 29.4	3.624	4.609	2.6	20.0
10 8	0 57.83	+ 6 4.3	3.605	4.604	0.2	19.8
10 18	0 52.49	+ 5 38.9	3.616	4.599	2.3	20.0
10 28	0 47.55	+ 5 15.5	3.657	4.595	4.6	20.1
11 7	0 43.38	+ 4 56.7	3.726	4.590	6.7	20.3
11 17	0 40.29	+ 4 44.1	3.820	4.586	8.6	20.4

371421 2006 SA_{103} 10 8.7 18.°23 0.°3/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 16.52	+ 9 10.9	1.005	1.916	17.8	20.2
9 18	1 12.56	+ 8 16.5	0.962	1.922	12.6	19.9
9 28	1 5.99	+ 7 2.7	0.939	1.929	6.6	19.6
10 8	0 58.02	+ 5 38.8	0.937	1.937	0.4	19.2
10 18	0 50.16	+ 4 16.5	0.959	1.946	5.9	19.6
10 28	0 43.91	+ 3 7.8	1.004	1.956	11.7	20.0
11 7	0 40.31	+ 2 20.9	1.070	1.968	16.6	20.3
11 17	0 39.83	+ 1 59.2	1.153	1.980	20.6	20.6

427756 2004 TH_3 10 8.7 326.°46 0.°1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.30	+ 5 21.1	1.005	1.915	17.9	20.4
9 18	1 17.91	+ 5 42.2	0.937	1.896	12.9	20.0
9 28	1 9.19	+ 5 53.7	0.888	1.878	7.0	19.6
10 8	0 58.26	+ 5 59.2	0.861	1.860	0.5	19.1
10 18	0 46.81	+ 6 3.6	0.857	1.844	6.3	19.5
10 28	0 36.83	+ 6 13.6	0.876	1.829	12.7	19.8
11 7	0 29.91	+ 6 34.6	0.914	1.815	18.4	20.0
11 17	0 26.91	+ 7 9.9	0.969	1.803	23.2	20.3

470408 2007 UH_{101} 10 8.7 29.°44 1.°4/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.35	+11 57.6	1.068	1.966	18.1	21.0
9 18	1 14.50	+11 21.6	1.022	1.973	13.1	20.7
9 28	1 7.01	+10 23.6	0.995	1.981	7.4	20.4
10 8	0 58.09	+ 9 10.5	0.991	1.989	1.7	20.1
10 18	0 49.28	+ 7 52.6	1.011	1.998	5.3	20.4
10 28	0 42.09	+ 6 41.6	1.054	2.008	10.9	20.7
11 7	0 37.60	+ 5 47.0	1.119	2.019	15.9	21.0
11 17	0 36.30	+ 5 13.9	1.202	2.030	19.9	21.3

317404 2002 PT_{132} 10 8.7 75.°56 1.°3/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.34	+ 6 8.3	1.365	2.255	15.4	21.1
9 18	1 17.88	+ 5 10.9	1.339	2.290	10.6	20.9
9 28	1 8.43	+ 4 3.9	1.336	2.324	5.4	20.7
10 8	0 58.18	+ 2 55.2	1.360	2.358	1.3	20.5
10 18	0 48.42	+ 1 53.2	1.411	2.391	5.5	20.9
10 28	0 40.30	+ 1 5.0	1.488	2.424	10.1	21.2
11 7	0 34.59	+ 0 34.8	1.589	2.456	13.9	21.6
11 17	0 31.62	+ 0 23.7	1.710	2.487	17.0	21.8

43361 2000 UA_{50} 10 8.7 194.°29 1.°2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.63	+12 18.2	1.618	2.490	14.4	19.1
9 18	1 15.58	+11 37.6	1.550	2.488	10.5	18.9
9 28	1 7.45	+10 39.6	1.505	2.487	6.0	18.6
10 8	0 58.14	+ 9 29.1	1.487	2.485	1.5	18.3
10 18	0 48.76	+ 8 13.1	1.496	2.482	4.3	18.5
10 28	0 40.51	+ 7 0.4	1.533	2.479	8.9	18.8
11 7	0 34.30	+ 5 58.7	1.595	2.475	13.1	19.0
11 17	0 30.69	+ 5 13.4	1.677	2.471	16.6	19.3

11251 Icarion 10 8.7 120.°80 1.°0/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 10.95	+ 2 2.7	4.287	5.169	5.9	19.2
9 18	1 7.14	+ 1 33.9	4.221	5.169	4.1	19.1
9 28	1 2.65	+ 1 3.0	4.183	5.170	2.1	18.9
10 8	0 57.82	+ 0 32.1	4.174	5.170	1.0	18.8
10 18	0 52.98	+ 0 3.5	4.196	5.170	2.6	19.0
10 28	0 48.49	− 0 20.6	4.248	5.170	4.5	19.1
11 7	0 44.67	− 0 38.5	4.327	5.170	6.3	19.2
11 17	0 41.77	− 0 49.0	4.431	5.170	7.9	19.4

491567 2012 RG_3 10 8.7 276.°06 15.°1/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 36.69	−18 46.4	1.154	2.040	18.0	20.8
9 18	1 28.26	−21 57.0	1.070	1.992	15.8	20.5
9 28	1 15.33	−25 5.6	1.009	1.941	15.1	20.3
10 8	0 58.76	−27 48.0	0.972	1.886	17.1	20.2
10 18	0 40.39	−29 40.7	0.957	1.828	21.0	20.2
10 28	0 22.87	−30 29.9	0.962	1.767	25.8	20.3
11 7	0 8.59	−30 16.0	0.980	1.703	30.4	20.4
11 17	23 59.01	−29 8.3	1.007	1.635	34.6	20.5

436541 2011 GF_{33} 10 8.7 198.°83 1.°5/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.80	+13 28.2	1.719	2.587	13.9	21.5
9 18	1 14.22	+12 46.4	1.650	2.585	10.2	21.3
9 28	1 6.70	+11 47.0	1.604	2.584	5.9	21.1
10 8	0 58.11	+10 34.5	1.585	2.582	1.8	20.8
10 18	0 49.45	+ 9 15.6	1.593	2.579	4.0	20.9
10 28	0 41.83	+ 7 58.7	1.630	2.577	8.4	21.2
11 7	0 36.10	+ 6 51.7	1.691	2.574	12.4	21.4
11 17	0 32.79	+ 5 59.8	1.775	2.571	15.8	21.7

440883 2006 TX_{110} 10 8.7 27.°02 3.°0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.98	+ 0 48.3	1.635	2.537	12.6	20.8
9 18	1 12.85	− 0 6.8	1.585	2.542	8.7	20.6
9 28	1 5.92	− 1 6.5	1.559	2.547	4.8	20.4
10 8	0 58.05	− 2 3.7	1.559	2.553	3.1	20.3
10 18	0 50.24	− 2 51.5	1.587	2.559	6.2	20.5
10 28	0 43.51	− 3 24.2	1.640	2.565	10.1	20.8
11 7	0 38.64	− 3 38.5	1.716	2.571	13.7	21.0
11 17	0 36.08	− 3 33.6	1.813	2.578	16.6	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
426078 2012 DB_{23}		10 8.7 174°.43 3°.9/11.6 17				
	h m	° ′			°	m
9 8	1 23.17	+16 49.4	1.399	2.261	16.8	21.5
9 18	1 16.99	+16 49.3	1.334	2.262	12.8	21.3
9 28	1 8.34	+16 27.0	1.291	2.262	8.3	21.0
10 8	0 58.23	+15 44.5	1.271	2.262	4.4	20.8
10 18	0 48.02	+14 47.2	1.278	2.262	5.2	20.8
10 28	0 39.13	+13 44.1	1.311	2.262	9.5	21.1
11 7	0 32.67	+12 44.8	1.367	2.262	13.9	21.3
11 17	0 29.23	+11 56.9	1.444	2.262	17.7	21.6
18150 Lopez-Moreno		10 8.7 240°.10 3°.0/ 4.5 18				
9 8	1 14.52	− 2 41.3	2.762	3.655	8.4	18.0
9 18	1 9.94	− 3 45.8	2.696	3.648	5.9	17.8
9 28	1 4.24	− 4 51.6	2.659	3.641	3.6	17.7
10 8	0 57.95	− 5 54.0	2.650	3.634	3.2	17.6
10 18	0 51.61	− 6 48.2	2.671	3.626	5.2	17.8
10 28	0 45.85	− 7 30.4	2.720	3.619	7.7	17.9
11 7	0 41.18	− 7 58.1	2.794	3.611	10.1	18.1
11 17	0 37.97	− 8 10.5	2.891	3.603	12.2	18.2
263334 2008 CJ_{77}		10 8.7 154°.67 4°.9/ 4.7 18				
9 8	1 21.88	− 3 12.4	1.478	2.383	13.6	20.3
9 18	1 15.75	− 4 22.0	1.429	2.385	9.6	20.1
9 28	1 7.52	− 5 32.6	1.403	2.387	6.0	19.9
10 8	0 58.17	− 6 35.3	1.404	2.389	5.2	19.9
10 18	0 48.89	− 7 22.0	1.430	2.391	8.2	20.0
10 28	0 40.87	− 7 47.1	1.482	2.392	12.1	20.3
11 7	0 35.02	− 7 48.5	1.555	2.393	15.8	20.5
11 17	0 31.83	− 7 27.2	1.648	2.395	18.8	20.7
73381 2002 LY_{7}		10 8.7 330°.60 5°.2/ 4.6 18				
9 8	1 18.70	− 1 34.3	1.203	2.119	15.1	18.9
9 18	1 13.94	− 3 0.0	1.150	2.112	10.6	18.6
9 28	1 6.73	− 4 30.7	1.119	2.106	6.5	18.4
10 8	0 58.12	− 5 55.1	1.112	2.100	5.6	18.3
10 18	0 49.46	− 7 1.8	1.129	2.094	9.2	18.5
10 28	0 42.17	− 7 42.5	1.170	2.089	13.8	18.7
11 7	0 37.28	− 7 53.8	1.230	2.085	18.0	19.0
11 17	0 35.38	− 7 36.5	1.308	2.081	21.5	19.2
28351 Andrewfeldman		10 8.7 153°.49 3°.2/ 6.3 18				
9 8	1 23.14	+ 0 58.8	1.449	2.348	14.1	18.7
9 18	1 16.68	+ 0 3.5	1.396	2.352	9.8	18.4
9 28	1 8.03	− 0 57.4	1.368	2.355	5.4	18.2
10 8	0 58.21	− 1 56.0	1.365	2.359	3.3	18.1
10 18	0 48.45	− 2 44.4	1.389	2.361	6.8	18.3
10 28	0 40.01	− 3 16.1	1.439	2.364	11.3	18.6
11 7	0 33.81	− 3 27.4	1.511	2.366	15.2	18.8
11 17	0 30.37	− 3 18.1	1.603	2.368	18.5	19.0
225158 2008 GP_{77}		10 8.7 27°.76 4°.0/ 5.5 18				
9 8	1 17.37	+ 1 34.9	1.190	2.105	15.3	20.1
9 18	1 12.85	+ 0 4.6	1.148	2.111	10.6	19.9
9 28	1 6.04	− 1 33.2	1.129	2.119	5.8	19.7
10 8	0 58.07	− 3 7.1	1.134	2.127	4.2	19.6
10 18	0 50.23	− 4 25.8	1.164	2.136	8.0	19.8
10 28	0 43.81	− 5 20.6	1.218	2.145	12.7	20.1
11 7	0 39.74	− 5 47.7	1.292	2.155	16.8	20.4
11 17	0 38.45	− 5 47.2	1.384	2.166	20.1	20.7
391493 2007 OJ_{7}		10 8.7 59°.50 11°.7/16.4 18				
9 8	1 38.62	+31 39.4	1.576	2.335	19.9	20.2
9 18	1 28.21	+33 54.5	1.527	2.359	17.1	20.1
9 28	1 14.47	+35 39.3	1.498	2.382	14.3	20.0
10 8	0 58.67	+36 46.1	1.493	2.406	12.3	19.9
10 18	0 42.62	+37 12.2	1.514	2.430	11.7	19.9
10 28	0 28.29	+37 2.6	1.560	2.454	12.7	20.1
11 7	0 17.15	+36 28.2	1.630	2.478	14.6	20.3
11 17	0 9.93	+35 41.8	1.720	2.502	16.8	20.5
60847 2000 HC_{64}		10 8.7 143°.88 2°.9/11.0 18				
9 8	1 23.17	+15 38.1	1.416	2.281	16.5	18.6
9 18	1 16.86	+15 13.8	1.355	2.287	12.3	18.4
9 28	1 8.20	+14 27.6	1.317	2.292	7.5	18.1
10 8	0 58.23	+13 23.4	1.303	2.297	3.3	17.9
10 18	0 48.26	+12 8.2	1.316	2.302	4.7	18.0
10 28	0 39.66	+10 52.1	1.355	2.306	9.4	18.3
11 7	0 33.43	+ 9 44.4	1.418	2.309	13.8	18.6
11 17	0 30.12	+ 8 51.9	1.502	2.313	17.5	18.8
234260 2000 VV_{3}		10 8.7 329°.99 0°.9/ 9.4 18				
9 8	1 18.17	+10 16.5	1.355	2.247	15.4	19.9
9 18	1 13.54	+ 9 54.2	1.285	2.234	11.2	19.6
9 28	1 6.55	+ 9 15.2	1.237	2.222	6.2	19.3
10 8	0 58.13	+ 8 24.1	1.212	2.211	1.2	18.9
10 18	0 49.50	+ 7 27.9	1.213	2.200	4.8	19.1
10 28	0 42.01	+ 6 35.3	1.240	2.190	10.0	19.4
11 7	0 36.76	+ 5 54.4	1.288	2.181	14.7	19.7
11 17	0 34.38	+ 5 30.2	1.357	2.173	18.7	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
164129 2003 YB_{21}		10 8.7 6°.65 10°.2/ 2.2 18				
	h m	° ′			°	m
9 8	1 13.25	−11 39.9	0.893	1.828	16.9	17.8
9 18	1 10.38	−12 51.1	0.866	1.829	13.1	17.6
9 28	1 4.85	−13 47.8	0.858	1.833	10.5	17.5
10 8	0 58.00	−14 17.6	0.870	1.840	10.8	17.5
10 18	0 51.36	−14 12.8	0.902	1.850	13.6	17.7
10 28	0 46.40	−13 31.6	0.952	1.862	17.2	18.0
11 7	0 44.08	−12 18.0	1.020	1.877	20.7	18.2
11 17	0 44.78	−10 38.7	1.103	1.894	23.7	18.5
410908 2009 SR_{155}		10 8.7 289°.15 0°.5/ 9.2 17				
9 8	1 21.73	+ 7 50.8	2.213	3.084	11.2	20.5
9 18	1 15.39	+ 7 58.2	2.124	3.064	8.0	20.2
9 28	1 7.33	+ 7 58.1	2.061	3.044	4.4	20.0
10 8	0 58.20	+ 7 52.5	2.025	3.024	0.7	19.7
10 18	0 48.83	+ 7 44.2	2.019	3.004	3.6	19.9
10 28	0 40.15	+ 7 37.0	2.043	2.984	7.4	20.1
11 7	0 32.96	+ 7 34.6	2.092	2.964	10.9	20.2
11 17	0 27.83	+ 7 39.9	2.165	2.944	13.9	20.4
512866 2016 VE_{19}		10 8.7 194°.03 0°.2/ 8.6 18				
9 8	1 20.37	+ 7 12.9	1.978	2.856	11.9	21.3
9 18	1 14.40	+ 6 49.5	1.911	2.856	8.4	21.1
9 28	1 6.74	+ 6 17.0	1.869	2.855	4.4	20.8
10 8	0 58.16	+ 5 39.4	1.855	2.854	0.3	20.5
10 18	0 49.53	+ 5 1.4	1.869	2.853	4.0	20.8
10 28	0 41.80	+ 4 28.3	1.912	2.851	8.0	21.0
11 7	0 35.73	+ 4 4.7	1.980	2.850	11.5	21.3
11 17	0 31.81	+ 3 53.3	2.070	2.848	14.5	21.5
460990 2014 WP_{346}		10 8.7 276°.48 5°.6/16.2 17				
9 8	1 16.86	+28 18.2	2.687	3.461	12.1	21.0
9 18	1 11.81	+28 24.6	2.598	3.454	10.1	20.8
9 28	1 5.35	+28 12.3	2.532	3.446	8.0	20.7
10 8	0 58.06	+27 41.0	2.491	3.438	6.2	20.5
10 18	0 50.65	+26 52.7	2.477	3.431	5.7	20.5
10 28	0 43.88	+25 51.5	2.491	3.423	6.7	20.6
11 7	0 38.43	+24 43.1	2.532	3.416	8.8	20.7
11 17	0 34.75	+23 33.7	2.599	3.408	10.9	20.8
278176 2007 DX_{82}		10 8.7 188°.85 0°.2/ 8.9 16				
9 8	1 21.28	+ 9 11.8	1.887	2.762	12.6	22.3
9 18	1 15.11	+ 8 36.5	1.819	2.761	9.0	22.1
9 28	1 7.15	+ 7 49.2	1.776	2.760	4.8	21.9
10 8	0 58.19	+ 6 54.4	1.760	2.759	0.5	21.5
10 18	0 49.18	+ 5 57.8	1.772	2.757	4.0	21.8
10 28	0 41.14	+ 5 5.9	1.813	2.754	8.2	22.1
11 7	0 34.85	+ 4 24.3	1.880	2.751	11.9	22.3
11 17	0 30.84	+ 3 56.7	1.969	2.748	15.0	22.5
109082 2001 QB_{27}		10 8.7 20°.36 1°.0/ 9.3 18				
9 8	1 22.77	+ 8 24.0	1.154	2.052	17.1	18.4
9 18	1 16.84	+ 8 37.3	1.106	2.058	12.2	18.1
9 28	1 8.28	+ 8 37.0	1.078	2.065	6.8	17.8
10 8	0 58.27	+ 8 26.6	1.074	2.073	1.3	17.5
10 18	0 48.32	+ 8 11.6	1.095	2.082	5.2	17.8
10 28	0 39.96	+ 7 59.0	1.139	2.091	10.6	18.2
11 7	0 34.29	+ 7 54.7	1.206	2.102	15.3	18.5
11 17	0 31.84	+ 8 2.6	1.291	2.114	19.1	18.8
345008 2005 CP_{14}		10 8.7 237°.45 1°.0/ 9.7 18				
9 8	1 20.37	+10 54.5	1.993	2.861	12.3	22.0
9 18	1 14.49	+10 32.7	1.915	2.852	8.9	21.8
9 28	1 6.86	+ 9 58.5	1.861	2.842	5.0	21.5
10 8	0 58.18	+ 9 14.9	1.835	2.833	1.2	21.3
10 18	0 49.37	+ 8 26.8	1.837	2.823	3.7	21.4
10 28	0 41.40	+ 7 40.1	1.868	2.812	7.7	21.7
11 7	0 35.08	+ 7 0.5	1.925	2.801	11.4	21.9
11 17	0 30.95	+ 6 32.2	2.004	2.790	14.6	22.1
278367 2007 KP_{9}		10 8.7 64°.07 3°.1/ 5.8 16				
9 8	1 19.82	+ 3 3.3	1.461	2.362	13.9	20.3
9 18	1 14.02	+ 1 19.1	1.436	2.393	9.5	20.1
9 28	1 6.46	− 0 30.5	1.435	2.424	5.0	19.9
10 8	0 58.14	− 2 15.2	1.461	2.455	3.3	19.9
10 18	0 50.17	− 3 45.5	1.515	2.485	6.7	20.2
10 28	0 43.57	− 4 54.2	1.595	2.516	10.7	20.5
11 7	0 39.04	− 5 38.1	1.698	2.546	14.2	20.8
11 17	0 36.89	− 5 57.4	1.820	2.576	16.9	21.1
297360 2000 CH_{119}		10 8.7 102°.77 1°.8/10.4 18				
9 8	1 20.63	+12 51.5	1.897	2.761	13.0	21.4
9 18	1 14.61	+12 38.0	1.836	2.769	9.5	21.2
9 28	1 6.86	+12 10.7	1.799	2.777	5.6	20.9
10 8	0 58.19	+11 32.5	1.789	2.785	2.1	20.7
10 18	0 49.53	+10 48.1	1.807	2.793	3.7	20.9
10 28	0 41.86	+10 3.6	1.853	2.800	7.6	21.1
11 7	0 35.96	+ 9 24.7	1.925	2.808	11.1	21.4
11 17	0 32.29	+ 8 55.7	2.020	2.815	14.1	21.6

28770 Sarahrines 10 8.7 39°.38 3°.8/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 17.90	− 1 26.0	1.736	2.638	12.0	18.8
9 18	1 12.75	− 2 32.5	1.686	2.642	8.4	18.6
9 28	1 5.88	− 3 41.5	1.661	2.647	4.9	18.4
10 8	0 58.12	− 4 45.4	1.663	2.651	4.0	18.4
10 18	0 50.42	− 5 37.5	1.692	2.656	6.8	18.6
10 28	0 43.74	− 6 12.2	1.747	2.661	10.4	18.8
11 7	0 38.82	− 6 26.9	1.825	2.666	13.7	19.0
11 17	0 36.11	− 6 21.4	1.924	2.672	16.4	19.2

483872 2005 YJ_{139} 10 8.7 272°.41 8°.2/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.31	+34 11.4	2.309	3.048	14.8	22.2
9 18	1 13.86	+34 34.0	2.222	3.041	12.8	22.0
9 28	1 6.57	+34 32.1	2.154	3.034	10.8	21.9
10 8	0 58.19	+34 3.9	2.109	3.027	9.0	21.7
10 18	0 49.61	+33 10.5	2.090	3.020	8.2	21.7
10 28	0 41.87	+31 56.4	2.097	3.013	8.8	21.7
11 7	0 35.81	+30 29.0	2.130	3.006	10.5	21.8
11 17	0 31.99	+28 56.9	2.186	2.999	12.6	21.9

102500 1999 TG_{283} 10 8.7 315°.44 4°.6/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.19	− 3 54.0	1.569	2.472	13.0	19.2
9 18	1 15.32	− 4 34.8	1.508	2.463	9.3	19.0
9 28	1 7.38	− 5 15.4	1.470	2.454	5.7	18.7
10 8	0 58.25	− 5 48.8	1.459	2.445	4.8	18.7
10 18	0 49.04	− 6 8.7	1.474	2.437	7.7	18.8
10 28	0 40.95	− 6 10.3	1.514	2.429	11.5	19.0
11 7	0 34.90	− 5 51.9	1.577	2.422	15.2	19.3
11 17	0 31.43	− 5 14.1	1.658	2.414	18.3	19.5

288494 2004 FD_{49} 10 8.7 275°.40 0°.2/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.34	+ 9 15.5	1.971	2.850	11.9	20.8
9 18	1 12.43	+ 8 17.0	1.886	2.830	8.5	20.5
9 28	1 5.80	+ 7 4.7	1.825	2.811	4.5	20.2
10 8	0 58.14	+ 5 43.6	1.791	2.790	0.3	19.9
10 18	0 50.29	+ 4 20.5	1.787	2.770	4.1	20.1
10 28	0 43.19	+ 3 3.0	1.811	2.750	8.3	20.4
11 7	0 37.66	+ 1 57.9	1.860	2.729	12.1	20.6
11 17	0 34.24	+ 1 9.5	1.931	2.708	15.4	20.7

443313 2014 FT_{44} 10 8.7 85°.05 5°.7/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.72	− 8 2.2	1.841	2.740	11.6	20.5
9 18	1 13.86	− 9 12.0	1.804	2.754	8.5	20.4
9 28	1 6.40	−10 17.1	1.793	2.766	6.1	20.3
10 8	0 58.17	−11 10.0	1.809	2.779	6.1	20.3
10 18	0 50.10	−11 45.3	1.851	2.792	8.3	20.4
10 28	0 43.10	−11 59.4	1.919	2.805	11.1	20.6
11 7	0 37.85	−11 51.9	2.010	2.818	13.9	20.9
11 17	0 34.75	−11 24.4	2.120	2.830	16.1	21.1

289604 2005 GF_{17} 10 8.7 6°.40 1°.4/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.94	+ 7 11.0	1.283	2.183	15.5	21.1
9 18	1 14.00	+ 5 58.6	1.227	2.183	10.8	20.8
9 28	1 6.75	+ 4 30.8	1.194	2.183	5.6	20.5
10 8	0 58.21	+ 2 56.5	1.185	2.184	1.4	20.3
10 18	0 49.66	+ 1 26.3	1.203	2.184	6.0	20.6
10 28	0 42.44	+ 0 11.1	1.245	2.185	11.2	20.9
11 7	0 37.53	− 0 42.1	1.309	2.186	15.7	21.1
11 17	0 35.47	− 1 10.2	1.393	2.187	19.4	21.4

448055 2008 FG_{88} 10 8.7 101°.58 0°.3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.56	+ 8 46.1	2.139	3.017	11.2	21.4
9 18	1 11.58	+ 7 46.9	2.080	3.025	7.8	21.2
9 28	1 5.20	+ 6 37.3	2.047	3.033	4.1	21.0
10 8	0 58.09	+ 5 22.3	2.041	3.040	0.3	20.7
10 18	0 51.02	+ 4 8.0	2.065	3.048	3.7	21.0
10 28	0 44.78	+ 3 0.7	2.118	3.056	7.4	21.3
11 7	0 39.99	+ 2 5.4	2.197	3.063	10.6	21.5
11 17	0 37.06	+ 1 25.3	2.298	3.070	13.3	21.7

519231 2010 VL_{140} 10 8.7 335°.49 1°.4/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.99	+13 36.8	2.013	2.879	12.3	21.4
9 18	1 11.36	+12 50.8	1.942	2.876	9.0	21.1
9 28	1 5.16	+11 49.3	1.895	2.874	5.2	20.9
10 8	0 58.10	+10 36.6	1.875	2.872	1.7	20.7
10 18	0 51.00	+ 9 18.5	1.883	2.870	3.5	20.8
10 28	0 44.72	+ 8 2.2	1.920	2.868	7.3	21.0
11 7	0 39.97	+ 6 54.3	1.983	2.866	10.8	21.3
11 17	0 37.23	+ 5 59.8	2.069	2.864	13.9	21.5

355569 2008 CY_{62} 10 8.7 200°.52 5°.0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.55	+23 4.2	2.210	3.021	13.3	21.4
9 18	1 14.59	+23 12.7	2.130	3.019	10.6	21.2
9 28	1 6.91	+23 2.3	2.074	3.016	7.8	21.0
10 8	0 58.23	+22 33.2	2.043	3.014	5.5	20.9
10 18	0 49.43	+21 48.0	2.041	3.011	5.2	20.9
10 28	0 41.45	+20 51.9	2.066	3.008	7.3	21.0
11 7	0 35.08	+19 51.8	2.118	3.005	10.1	21.2
11 17	0 30.85	+18 54.1	2.194	3.001	12.8	21.3

327138 2005 EJ_{213} 10 8.7 135°.33 0°.9/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 22.22	+ 6 46.8	1.574	2.461	13.9	21.8
9 18	1 15.92	+ 5 54.3	1.520	2.469	9.7	21.6
9 28	1 7.62	+ 4 50.3	1.490	2.478	5.1	21.4
10 8	0 58.28	+ 3 41.7	1.487	2.486	0.9	21.1
10 18	0 49.02	+ 2 35.9	1.512	2.493	5.1	21.4
10 28	0 40.98	+ 1 40.6	1.563	2.500	9.6	21.7
11 7	0 35.02	+ 1 1.4	1.639	2.507	13.6	22.0
11 17	0 31.62	+ 0 40.8	1.735	2.513	16.8	22.2

481825 2008 UD_{235} 10 8.7 342°.30 4°.2/12.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 10.91	+17 18.6	1.031	1.925	18.9	21.6
9 18	1 9.00	+17 4.6	0.959	1.903	14.6	21.2
9 28	1 4.41	+16 19.4	0.905	1.883	9.6	20.9
10 8	0 58.07	+15 5.6	0.871	1.864	5.0	20.6
10 18	0 51.36	+13 30.9	0.859	1.848	5.7	20.6
10 28	0 45.92	+11 49.2	0.869	1.833	11.0	20.8
11 7	0 43.07	+10 15.3	0.900	1.821	16.4	21.1
11 17	0 43.55	+ 9 1.0	0.948	1.812	21.2	21.3

129013 2004 TX_{310} 10 8.7 290°.95 3°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.92	+18 4.2	2.214	3.052	12.3	19.8
9 18	1 13.39	+18 7.9	2.136	3.048	9.5	19.6
9 28	1 6.26	+17 56.1	2.082	3.044	6.4	19.4
10 8	0 58.19	+17 30.1	2.055	3.040	3.8	19.2
10 18	0 50.01	+16 52.9	2.056	3.036	4.1	19.2
10 28	0 42.60	+16 9.3	2.085	3.033	6.8	19.4
11 7	0 36.70	+15 25.2	2.141	3.029	9.9	19.6
11 17	0 32.81	+14 45.9	2.221	3.025	12.7	19.8

30415 2000 KT_{74} 10 8.8 249°.80 0°.9/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.71	+ 6 38.1	2.051	2.934	11.3	18.6
9 18	1 12.56	+ 5 42.9	1.976	2.924	7.9	18.4
9 28	1 5.82	+ 4 37.6	1.926	2.913	4.1	18.1
10 8	0 58.16	+ 3 27.4	1.904	2.903	0.9	17.9
10 18	0 50.40	+ 2 18.4	1.911	2.892	4.3	18.1
10 28	0 43.43	+ 1 17.4	1.946	2.880	8.2	18.3
11 7	0 37.97	+ 0 29.3	2.007	2.869	11.7	18.5
11 17	0 34.52	− 0 2.6	2.090	2.857	14.7	18.7

421784 2014 QL_{23} 10 8.8 314°.01 4°.1/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.93	+20 20.7	2.180	3.010	12.8	20.9
9 18	1 12.75	+20 22.3	2.100	3.004	10.0	20.7
9 28	1 5.94	+20 6.5	2.044	2.998	7.0	20.6
10 8	0 58.17	+19 34.4	2.013	2.993	4.5	20.4
10 18	0 50.29	+18 48.8	2.010	2.988	4.5	20.4
10 28	0 43.17	+17 55.1	2.035	2.982	7.0	20.5
11 7	0 37.58	+16 59.7	2.087	2.977	10.0	20.7
11 17	0 34.03	+16 8.6	2.162	2.973	12.8	20.9

272600 2005 VV_{125} 10 8.8 203°.86 0°.4/ 8.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.30	+ 7 28.4	1.798	2.679	12.8	22.4
9 18	1 15.23	+ 6 47.0	1.730	2.676	9.0	22.1
9 28	1 7.28	+ 5 54.4	1.686	2.672	4.8	21.9
10 8	0 58.27	+ 4 55.8	1.669	2.668	0.5	21.5
10 18	0 49.19	+ 3 57.4	1.681	2.664	4.5	21.8
10 28	0 41.10	+ 3 6.1	1.721	2.659	8.8	22.1
11 7	0 34.83	+ 2 27.3	1.785	2.653	12.6	22.3
11 17	0 30.92	+ 2 4.3	1.871	2.647	15.8	22.5

512901 2016 WZ_{47} 10 8.8 6°.83 3°.1/10.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 13.12	+12 14.0	0.857	1.772	19.6	19.3
9 18	1 10.56	+12 34.4	0.816	1.774	14.5	19.0
9 28	1 5.15	+12 31.8	0.792	1.778	8.7	18.7
10 8	0 58.12	+12 10.0	0.788	1.785	3.6	18.5
10 18	0 51.11	+11 36.4	0.805	1.795	5.6	18.7
10 28	0 45.79	+11 1.3	0.843	1.807	11.2	19.0
11 7	0 43.31	+10 34.5	0.900	1.822	16.3	19.4
11 17	0 44.18	+10 22.2	0.975	1.840	20.6	19.7

21889 1999 UJ_{47} 10 8.8 170°.72 0°.9/ 7.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.92	+ 5 5.9	2.139	3.018	11.1	19.2
9 18	1 14.67	+ 4 32.8	2.075	3.021	7.7	19.0
9 28	1 6.87	+ 3 52.7	2.037	3.024	4.0	18.8
10 8	0 58.25	+ 3 10.0	2.028	3.026	0.9	18.6
10 18	0 49.62	+ 2 29.5	2.048	3.028	4.1	18.8
10 28	0 41.87	+ 1 55.9	2.097	3.029	7.8	19.1
11 7	0 35.67	+ 1 33.2	2.172	3.030	11.1	19.3
11 17	0 31.48	+ 1 23.4	2.269	3.030	13.8	19.5

9037 1990 UJ_2 10 8.8 10°.46 3°.8/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.74	+ 0 54.0	1.161	2.080	15.2	16.4
9 18	1 11.81	− 0 9.9	1.119	2.083	10.6	16.1
9 28	1 5.58	− 1 20.0	1.098	2.088	5.8	15.9
10 8	0 58.16	− 2 26.3	1.100	2.094	4.0	15.8
10 18	0 50.82	− 3 19.3	1.127	2.101	7.7	16.0
10 28	0 44.86	− 3 51.4	1.176	2.110	12.4	16.3
11 7	0 41.22	− 3 59.0	1.246	2.120	16.5	16.6
11 17	0 40.36	− 3 42.5	1.334	2.131	20.0	16.9

12223 Hoskin 10 8.8 321°.04 0°.4/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 15.19	+ 8 46.3	1.936	2.820	11.9	17.7
9 18	1 10.86	+ 7 44.3	1.864	2.812	8.4	17.5
9 28	1 4.94	+ 6 29.7	1.816	2.803	4.4	17.2
10 8	0 58.12	+ 5 7.9	1.796	2.795	0.4	16.9
10 18	0 51.21	+ 3 45.9	1.804	2.787	4.1	17.2
10 28	0 45.12	+ 2 31.2	1.840	2.780	8.2	17.4
11 7	0 40.56	+ 1 29.9	1.901	2.772	11.8	17.6
11 17	0 38.02	+ 0 45.8	1.984	2.765	14.9	17.8

356577 2011 SB_{248} 10 8.8 293°.38 0°.3/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.71	+ 8 33.9	1.803	2.684	12.8	20.6
9 18	1 14.16	+ 8 13.0	1.731	2.676	9.1	20.3
9 28	1 6.75	+ 7 40.8	1.683	2.668	4.9	20.1
10 8	0 58.25	+ 7 1.3	1.662	2.661	0.5	19.7
10 18	0 49.63	+ 6 19.6	1.668	2.653	4.1	20.0
10 28	0 41.93	+ 5 41.7	1.702	2.646	8.4	20.2
11 7	0 36.01	+ 5 13.2	1.761	2.639	12.3	20.5
11 17	0 32.40	+ 4 57.5	1.841	2.631	15.5	20.7

312467 2008 SH_{50} 10 8.8 285°.63 0°.3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 11.69	+ 8 45.9	4.261	5.125	6.4	20.9
9 18	1 7.72	+ 8 29.3	4.184	5.120	4.5	20.7
9 28	1 3.05	+ 8 7.8	4.134	5.116	2.5	20.6
10 8	0 57.99	+ 7 43.3	4.113	5.111	0.4	20.4
10 18	0 52.90	+ 7 17.7	4.123	5.107	1.9	20.5
10 28	0 48.15	+ 6 53.2	4.163	5.103	4.0	20.7
11 7	0 44.09	+ 6 32.1	4.231	5.098	5.9	20.8
11 17	0 40.97	+ 6 15.9	4.325	5.094	7.6	21.0

196419 2003 HF_{9} 10 8.8 76°.02 1°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.92	+14 12.3	1.565	2.435	15.0	19.8
9 18	1 14.27	+13 21.8	1.518	2.454	10.9	19.6
9 28	1 6.72	+12 12.7	1.493	2.472	6.3	19.4
10 8	0 58.24	+10 50.9	1.494	2.491	2.0	19.2
10 18	0 49.93	+ 9 24.3	1.522	2.509	4.1	19.4
10 28	0 42.87	+ 8 2.2	1.578	2.527	8.5	19.7
11 7	0 37.85	+ 6 52.2	1.659	2.545	12.4	20.0
11 17	0 35.28	+ 5 59.4	1.762	2.563	15.7	20.2

487109 2014 OC_{159} 10 8.8 26°.39 2°.2/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.22	+13 3.2	1.900	2.764	13.0	20.7
9 18	1 14.40	+13 9.4	1.837	2.768	9.6	20.5
9 28	1 6.82	+13 2.3	1.797	2.773	5.8	20.2
10 8	0 58.26	+12 44.2	1.783	2.778	2.5	20.0
10 18	0 49.67	+12 18.5	1.798	2.783	3.8	20.2
10 28	0 42.02	+11 50.4	1.840	2.788	7.5	20.4
11 7	0 36.13	+11 25.2	1.908	2.794	11.0	20.6
11 17	0 32.47	+11 7.4	1.998	2.800	14.0	20.8

385191 1997 RT_{5} 10 8.8 186°.22 0°.2/ 6.1 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	0 59.75	− 0 34.4	41.465	42.352	0.7	23.5
9 18	0 59.10	− 0 39.6	41.401	42.351	0.4	23.5
9 28	0 58.40	− 0 44.9	41.365	42.351	0.2	23.5
10 8	0 57.66	− 0 50.0	41.359	42.351	0.2	23.5
10 18	0 56.93	− 0 54.9	41.382	42.351	0.3	23.5
10 28	0 56.22	− 0 59.3	41.435	42.351	0.5	23.5
11 7	0 55.56	− 1 3.0	41.516	42.351	0.7	23.6
11 17	0 54.99	− 1 6.1	41.622	42.351	0.9	23.6

54184 2000 HJ_{67} 10 8.8 292°.05 0°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.03	+ 8 58.8	1.468	2.357	14.7	19.7
9 18	1 14.82	+ 8 24.6	1.391	2.340	10.5	19.4
9 28	1 7.28	+ 7 35.0	1.337	2.323	5.7	19.1
10 8	0 58.31	+ 6 35.0	1.307	2.306	0.5	18.7
10 18	0 49.07	+ 5 31.9	1.305	2.290	4.9	19.0
10 28	0 40.87	+ 4 34.4	1.328	2.273	10.1	19.2
11 7	0 34.80	+ 3 50.3	1.374	2.257	14.7	19.5
11 17	0 31.53	+ 3 24.2	1.440	2.241	18.6	19.7

21101 1992 OJ_{1} 10 8.8 101°.98 13°.7/21.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 34.05	+41 9.9	1.681	2.377	21.0	17.7
9 18	1 25.16	+42 50.2	1.626	2.396	18.8	17.6
9 28	1 12.96	+43 55.1	1.588	2.414	16.6	17.5
10 8	0 58.72	+44 17.9	1.569	2.432	14.8	17.4
10 18	0 44.22	+43 56.7	1.572	2.450	13.8	17.4
10 28	0 31.42	+42 56.8	1.598	2.467	13.9	17.5
11 7	0 21.77	+41 30.2	1.645	2.484	15.0	17.6
11 17	0 16.00	+39 50.5	1.713	2.500	16.6	17.7

135774 2002 RB_{50} 10 8.8 2°.45 2°.8/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.62	+ 1 54.0	1.516	2.420	13.3	19.6
9 18	1 12.81	+ 0 56.6	1.461	2.420	9.2	19.4
9 28	1 6.05	− 0 7.4	1.430	2.419	5.0	19.1
10 8	0 58.22	− 1 10.5	1.425	2.420	2.9	19.0
10 18	0 50.40	− 2 4.9	1.446	2.421	6.3	19.2
10 28	0 43.68	− 2 43.8	1.492	2.422	10.6	19.5
11 7	0 38.93	− 3 3.2	1.562	2.424	14.4	19.7
11 17	0 36.63	− 3 2.0	1.650	2.427	17.6	19.9

387829 2004 GE_{50} 10 8.8 108°.34 1°.7/10.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.37	+14 40.7	1.728	2.589	14.2	22.0
9 18	1 15.17	+13 50.3	1.676	2.607	10.4	21.8
9 28	1 7.18	+12 42.1	1.648	2.626	6.1	21.6
10 8	0 58.30	+11 21.3	1.647	2.643	2.1	21.3
10 18	0 49.58	+ 9 55.3	1.675	2.661	3.9	21.5
10 28	0 42.04	+ 8 32.6	1.730	2.677	8.0	21.8
11 7	0 36.44	+ 7 20.6	1.812	2.694	11.8	22.1
11 17	0 33.21	+ 6 24.3	1.916	2.709	14.9	22.3

89935 2002 EL_{138} 10 8.8 4°.86 0°.6/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 11.11	+ 4 25.1	4.017	4.895	6.4	19.8
9 18	1 7.34	+ 3 55.9	3.949	4.895	4.4	19.6
9 28	1 2.86	+ 3 23.4	3.909	4.896	2.3	19.5
10 8	0 58.00	+ 2 49.9	3.898	4.896	0.6	19.3
10 18	0 53.12	+ 2 17.6	3.918	4.897	2.4	19.5
10 28	0 48.62	+ 1 49.2	3.968	4.897	4.6	19.6
11 7	0 44.84	+ 1 26.6	4.045	4.898	6.5	19.8
11 17	0 42.03	+ 1 11.3	4.147	4.899	8.2	19.9

148292 2000 HB_{27} 10 8.8 97°.49 4°.3/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.95	− 2 46.7	1.628	2.526	12.9	20.0
9 18	1 16.24	− 3 48.1	1.592	2.545	9.0	19.8
9 28	1 7.71	− 4 49.4	1.580	2.564	5.4	19.7
10 8	0 58.35	− 5 43.0	1.596	2.582	4.5	19.7
10 18	0 49.23	− 6 22.6	1.638	2.600	7.2	19.9
10 28	0 41.39	− 6 43.5	1.708	2.618	10.8	20.1
11 7	0 35.58	− 6 44.4	1.800	2.635	14.1	20.4
11 17	0 32.20	− 6 26.0	1.912	2.652	16.7	20.6

380130 1998 RS_{53} 10 8.8 1°.89 5°.1/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.39	+15 54.9	0.871	1.775	20.6	19.0
9 18	1 11.63	+16 24.3	0.821	1.770	15.8	18.7
9 28	1 5.84	+16 25.7	0.789	1.768	10.4	18.4
10 8	0 58.24	+16 0.8	0.777	1.769	5.7	18.1
10 18	0 50.50	+15 15.8	0.784	1.772	6.5	18.2
10 28	0 44.44	+14 22.3	0.813	1.777	11.4	18.5
11 7	0 41.36	+13 32.8	0.861	1.785	16.6	18.8
11 17	0 41.87	+12 56.6	0.925	1.795	21.1	19.1

267243 2001 OZ_{38} 10 8.8 13°.10 3°.3/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.83	+12 30.2	1.234	2.115	17.4	19.6
9 18	1 18.41	+13 9.5	1.177	2.117	12.9	19.3
9 28	1 9.25	+13 32.1	1.141	2.120	8.0	19.1
10 8	0 58.49	+13 38.8	1.129	2.123	3.7	18.8
10 18	0 47.63	+13 32.8	1.142	2.128	5.4	19.0
10 28	0 38.28	+13 20.6	1.180	2.133	10.2	19.3
11 7	0 31.61	+13 9.5	1.240	2.139	14.8	19.5
11 17	0 28.27	+13 5.6	1.320	2.145	18.6	19.8

184454 2005 NH_{64} 10 8.8 140°.17 2°.8/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.55	+ 0 37.8	2.034	2.929	10.9	20.6
9 18	1 12.36	− 0 30.0	1.978	2.932	7.5	20.4
9 28	1 5.69	− 1 42.0	1.949	2.935	4.2	20.2
10 8	0 58.22	− 2 51.8	1.947	2.938	3.0	20.1
10 18	0 50.78	− 3 53.1	1.974	2.941	5.7	20.3
10 28	0 44.20	− 4 40.4	2.028	2.944	9.0	20.5
11 7	0 39.14	− 5 10.5	2.107	2.946	12.1	20.7
11 17	0 36.04	− 5 22.3	2.206	2.949	14.7	20.9

518711 2009 BE_{184} 10 8.8 266°.44 2°.6/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.07	+15 57.1	2.067	2.916	12.7	21.6
9 18	1 14.44	+15 37.2	1.970	2.893	9.6	21.3
9 28	1 6.98	+15 0.5	1.898	2.869	6.1	21.1
10 8	0 58.35	+14 9.0	1.853	2.845	2.9	20.8
10 18	0 49.43	+13 6.9	1.836	2.820	3.9	20.8
10 28	0 41.23	+12 0.5	1.848	2.795	7.5	21.0
11 7	0 34.62	+10 57.0	1.886	2.770	11.3	21.2
11 17	0 30.19	+10 2.6	1.948	2.744	14.6	21.4

72173 2000 YC_{109} 10 8.8 246°.98 0°.3/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.67	+ 7 29.3	1.562	2.447	14.1	19.9
9 18	1 16.54	+ 6 56.9	1.488	2.436	10.1	19.6
9 28	1 8.17	+ 6 11.9	1.438	2.425	5.4	19.4
10 8	0 58.44	+ 5 19.4	1.414	2.413	0.4	19.0
10 18	0 48.51	+ 4 26.0	1.417	2.401	4.9	19.3
10 28	0 39.66	+ 3 39.5	1.448	2.389	9.8	19.5
11 7	0 32.90	+ 3 6.1	1.502	2.376	14.2	19.8
11 17	0 28.88	+ 2 49.6	1.576	2.363	17.8	20.0

520078 2013 WP_{113} 10 8.8 156°.74 3°.9/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.29	+21 45.8	2.281	3.098	12.7	21.9
9 18	1 14.27	+21 24.3	2.209	3.105	10.0	21.7
9 28	1 6.71	+20 44.0	2.161	3.112	7.0	21.6
10 8	0 58.32	+19 46.8	2.139	3.118	4.4	21.4
10 18	0 49.93	+18 36.7	2.147	3.124	4.3	21.4
10 28	0 42.40	+17 19.9	2.183	3.129	6.7	21.6
11 7	0 36.43	+16 3.4	2.248	3.133	9.6	21.8
11 17	0 32.46	+14 53.4	2.337	3.137	12.3	22.0

302664 2002 SJ_{12} 10 8.8 93°.59 1°.5/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.41	+ 2 24.4	1.842	2.729	12.3	20.4
9 18	1 16.58	+ 2 13.5	1.786	2.736	8.5	20.2
9 28	1 7.97	+ 1 58.1	1.756	2.743	4.5	20.0
10 8	0 58.41	+ 1 42.4	1.752	2.750	1.5	19.8
10 18	0 48.92	+ 1 30.7	1.778	2.757	4.8	20.1
10 28	0 40.49	+ 1 26.8	1.831	2.764	8.7	20.3
11 7	0 33.91	+ 1 33.6	1.910	2.771	12.3	20.6
11 17	0 29.66	+ 1 52.4	2.010	2.777	15.2	20.8

183304 2002 UZ_{37} 10 8.8 48°.61 1°.6/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.41	+ 4 35.5	1.189	2.093	16.2	19.5
9 18	1 16.37	+ 3 59.1	1.152	2.109	11.2	19.2
9 28	1 7.96	+ 3 13.0	1.136	2.126	5.8	19.0
10 8	0 58.41	+ 2 25.0	1.145	2.143	1.7	18.8
10 18	0 49.11	+ 1 43.0	1.179	2.161	6.1	19.1
10 28	0 41.44	+ 1 14.3	1.237	2.179	11.1	19.4
11 7	0 36.30	+ 1 3.2	1.318	2.197	15.4	19.8
11 17	0 34.12	+ 1 11.0	1.417	2.216	18.9	20.0

507107 2009 KC_{8} 10 8.8 93°.11 2°.9/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.71	+ 0 42.8	1.438	2.333	14.5	21.1
9 18	1 19.02	+ 0 6.6	1.402	2.355	10.1	20.9
9 28	1 9.24	− 0 33.2	1.390	2.377	5.4	20.7
10 8	0 58.50	− 1 9.9	1.403	2.398	2.9	20.6
10 18	0 48.10	− 1 37.1	1.445	2.419	6.4	20.9
10 28	0 39.23	− 1 50.0	1.512	2.440	10.7	21.2
11 7	0 32.74	− 1 46.1	1.603	2.460	14.4	21.5
11 17	0 29.02	− 1 25.6	1.714	2.479	17.5	21.8

399988 2006 CK_{13} 10 8.8 345°.61 4°.7/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.11	+20 37.7	1.962	2.794	13.9	20.4
9 18	1 13.77	+20 54.2	1.886	2.790	11.0	20.2
9 28	1 6.59	+20 52.1	1.833	2.787	7.8	20.0
10 8	0 58.33	+20 31.9	1.806	2.784	5.2	19.8
10 18	0 49.92	+19 56.2	1.805	2.781	5.1	19.8
10 28	0 42.39	+19 10.4	1.831	2.778	7.6	20.0
11 7	0 36.57	+18 21.4	1.884	2.776	10.8	20.2
11 17	0 33.01	+17 35.7	1.959	2.774	13.8	20.4

407857 2012 BM_{68} 10 8.8 72°.11 5°.4/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.36	− 8 2.3	2.067	2.967	10.5	21.3
9 18	1 12.19	− 9 15.4	2.024	2.973	7.7	21.1
9 28	1 5.58	−10 24.6	2.007	2.980	5.7	21.0
10 8	0 58.25	−11 23.3	2.017	2.986	5.7	21.1
10 18	0 50.99	−12 6.0	2.055	2.993	7.8	21.2
10 28	0 44.60	−12 28.9	2.118	2.999	10.4	21.4
11 7	0 39.73	−12 31.0	2.204	3.006	13.0	21.6
11 17	0 36.78	−12 13.5	2.310	3.012	15.2	21.8

24919 Teruyoshi 10 8.8 130°.92 1°.2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.10	+12 6.8	1.785	2.650	13.6	19.7
9 18	1 16.41	+11 35.3	1.729	2.664	9.8	19.5
9 28	1 7.88	+10 49.1	1.697	2.677	5.6	19.2
10 8	0 58.42	+ 9 52.7	1.692	2.690	1.5	19.0
10 18	0 49.04	+ 8 51.9	1.716	2.702	3.9	19.2
10 28	0 40.81	+ 7 53.9	1.768	2.713	8.1	19.5
11 7	0 34.50	+ 7 4.8	1.846	2.724	11.8	19.7
11 17	0 30.58	+ 6 29.1	1.946	2.734	14.9	20.0

294011 2007 TQ_{99} 10 8.8 103°.54 1°.4/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.36	+ 5 47.4	1.813	2.702	12.3	21.1
9 18	1 13.05	+ 4 37.7	1.760	2.712	8.5	20.9
9 28	1 6.09	+ 3 18.6	1.732	2.721	4.4	20.7
10 8	0 58.29	+ 1 56.9	1.732	2.730	1.5	20.5
10 18	0 50.55	+ 0 40.0	1.760	2.738	4.9	20.7
10 28	0 43.82	− 0 25.1	1.815	2.747	8.9	21.0
11 7	0 38.80	− 1 13.3	1.896	2.755	12.4	21.2
11 17	0 35.92	− 1 42.6	1.997	2.764	15.3	21.5

521953 2015 VQ_{140} 10 8.8 304°.46 6°.4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.87	−13 4.3	2.118	3.007	10.8	20.9
9 18	1 14.68	−13 46.9	2.065	3.002	8.3	20.7
9 28	1 6.93	−14 21.4	2.037	2.998	6.7	20.6
10 8	0 58.36	−14 42.1	2.037	2.993	6.7	20.6
10 18	0 49.82	−14 44.9	2.063	2.988	8.5	20.7
10 28	0 42.19	−14 27.4	2.116	2.984	11.0	20.9
11 7	0 36.17	−13 50.1	2.191	2.980	13.5	21.1
11 17	0 32.20	−12 55.1	2.286	2.976	15.6	21.2

240006 2001 TC_{23} 10 8.8 33°.27 1°.0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.69	+ 7 54.1	0.860	1.778	19.3	19.9
9 18	1 14.27	+ 6 53.9	0.830	1.793	13.4	19.6
9 28	1 7.00	+ 5 35.8	0.819	1.810	6.9	19.4
10 8	0 58.36	+ 4 11.3	0.828	1.827	1.0	19.1
10 18	0 50.05	+ 2 53.3	0.861	1.846	6.6	19.5
10 28	0 43.67	+ 1 53.7	0.915	1.866	12.6	19.9
11 7	0 40.24	+ 1 19.1	0.988	1.887	17.6	20.3
11 17	0 40.10	+ 1 11.0	1.078	1.909	21.6	20.6

369439 2010 AB_{38} 10 8.8 333°.35 6°.2/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.64	+27 3.2	2.401	3.185	13.1	20.3
9 18	1 13.98	+27 34.9	2.319	3.182	10.9	20.1
9 28	1 6.66	+27 47.8	2.260	3.178	8.6	20.0
10 8	0 58.35	+27 40.9	2.225	3.175	6.7	19.9
10 18	0 49.86	+27 15.4	2.218	3.171	6.2	19.8
10 28	0 42.10	+26 35.2	2.238	3.168	7.5	19.9
11 7	0 35.84	+25 46.1	2.284	3.165	9.7	20.0
11 17	0 31.62	+24 54.6	2.354	3.163	12.0	20.2

294406 2007 VV_{193} 10 8.8 285°.22 4°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.91	+17 50.2	1.408	2.268	16.9	21.2
9 18	1 16.44	+17 53.0	1.325	2.250	13.1	20.9
9 28	1 8.33	+17 32.3	1.262	2.231	8.7	20.6
10 8	0 58.49	+16 48.8	1.223	2.212	4.9	20.4
10 18	0 48.20	+15 47.0	1.209	2.193	5.6	20.4
10 28	0 39.00	+14 35.6	1.221	2.174	9.9	20.6
11 7	0 32.15	+13 25.5	1.256	2.155	14.6	20.8
11 17	0 28.44	+12 26.0	1.311	2.136	18.8	21.0

378191 2006 XP_{33} 10 8.8 359°.17 0°.2/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.94	+ 6 48.2	0.955	1.872	18.0	20.2
9 18	1 13.92	+ 6 42.1	0.905	1.867	12.8	19.9
9 28	1 6.99	+ 6 21.6	0.873	1.864	6.9	19.6
10 8	0 58.38	+ 5 52.5	0.863	1.862	0.5	19.1
10 18	0 49.67	+ 5 22.9	0.875	1.863	6.0	19.5
10 28	0 42.58	+ 5 1.5	0.909	1.865	12.0	19.9
11 7	0 38.35	+ 4 55.3	0.963	1.868	17.3	20.2
11 17	0 37.56	+ 5 7.5	1.034	1.874	21.6	20.5

158135 2001 FL_{65} 10 8.8 191°.76 2°.3/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.14	+ 0 36.4	2.535	3.424	9.2	20.0
9 18	1 11.20	− 0 24.5	2.472	3.423	6.4	19.8
9 28	1 5.04	− 1 29.0	2.436	3.422	3.5	19.6
10 8	0 58.23	− 2 32.0	2.429	3.421	2.5	19.6
10 18	0 51.41	− 3 28.6	2.452	3.419	4.7	19.7
10 28	0 45.24	− 4 14.4	2.503	3.417	7.6	19.9
11 7	0 40.29	− 4 46.4	2.581	3.415	10.3	20.1
11 17	0 36.93	− 5 3.1	2.680	3.412	12.6	20.3

140132 2001 SZ_{145} 10 8.8 136°.09 0°.5/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.57	+ 8 1.3	2.012	2.893	11.6	20.3
9 18	1 12.44	+ 7 5.0	1.950	2.896	8.2	20.1
9 28	1 5.78	+ 5 58.2	1.913	2.899	4.3	19.9
10 8	0 58.30	+ 4 46.0	1.903	2.902	0.5	19.6
10 18	0 50.82	+ 3 34.8	1.923	2.905	4.0	19.9
10 28	0 44.20	+ 2 31.2	1.971	2.908	7.9	20.1
11 7	0 39.14	+ 1 40.3	2.044	2.911	11.3	20.4
11 17	0 36.07	+ 1 5.2	2.140	2.913	14.2	20.6

469163 2015 HD_{140} 10 8.8 258°.41 0°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 10.59	+ 7 36.2	4.403	5.271	6.1	21.8
9 18	1 6.97	+ 7 6.2	4.329	5.270	4.3	21.7
9 28	1 2.70	+ 6 31.8	4.283	5.268	2.2	21.5
10 8	0 58.08	+ 5 55.0	4.267	5.266	0.2	21.3
10 18	0 53.44	+ 5 18.0	4.282	5.265	2.0	21.5
10 28	0 49.13	+ 4 43.1	4.327	5.263	4.0	21.7
11 7	0 45.47	+ 4 12.7	4.400	5.261	5.8	21.8
11 17	0 42.70	+ 3 48.3	4.498	5.260	7.4	21.9

126386 2002 BT 10 8.8 215°.51 11°.7/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.34	−32 2.5	2.261	3.090	12.4	19.7
9 18	1 16.54	−33 42.8	2.233	3.082	11.8	19.6
9 28	1 7.97	−35 1.8	2.227	3.073	11.8	19.6
10 8	0 58.47	−35 52.2	2.245	3.063	12.5	19.6
10 18	0 49.00	−36 10.0	2.284	3.053	13.8	19.7
10 28	0 40.57	−35 54.9	2.343	3.042	15.2	19.8
11 7	0 33.95	−35 9.6	2.418	3.030	16.6	19.9
11 17	0 29.60	−33 59.1	2.507	3.018	17.7	20.0

211055 2002 CO_{97} 10 8.8 136°.85 2°.6/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.32	+ 2 22.8	1.518	2.413	13.9	20.6
9 18	1 16.78	+ 1 25.2	1.468	2.421	9.6	20.4
9 28	1 8.16	+ 0 20.9	1.442	2.429	5.1	20.1
10 8	0 58.48	− 0 42.6	1.442	2.437	2.7	20.0
10 18	0 48.90	− 1 37.6	1.470	2.444	6.3	20.3
10 28	0 40.60	− 2 17.2	1.524	2.451	10.6	20.5
11 7	0 34.47	− 2 37.7	1.602	2.458	14.5	20.8
11 17	0 30.97	− 2 38.1	1.699	2.463	17.6	21.0

449340 2013 GP_{6} 10 8.8 131°.65 3°.6/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.45	− 5 0.7	2.422	3.311	9.6	21.8
9 18	1 14.16	− 5 36.3	2.373	3.321	6.8	21.6
9 28	1 6.59	− 6 10.3	2.351	3.330	4.3	21.5
10 8	0 58.37	− 6 38.1	2.357	3.340	3.7	21.4
10 18	0 50.23	− 6 56.1	2.393	3.349	5.7	21.6
10 28	0 42.91	− 7 1.4	2.457	3.357	8.4	21.8
11 7	0 36.99	− 6 52.9	2.546	3.365	10.9	21.9
11 17	0 32.84	− 6 30.7	2.657	3.373	13.1	22.1

451810 2013 HQ_{55} 10 8.8 58°.78 1°.7/10.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 17.09	+14 42.7	1.982	2.843	12.7	21.5
9 18	1 12.04	+13 57.2	1.932	2.863	9.2	21.3
9 28	1 5.53	+12 56.5	1.907	2.883	5.5	21.1
10 8	0 58.29	+11 45.0	1.908	2.904	2.0	21.0
10 18	0 51.17	+10 28.9	1.938	2.924	3.4	21.1
10 28	0 45.01	+ 9 14.9	1.996	2.945	7.0	21.4
11 7	0 40.44	+ 8 9.5	2.081	2.966	10.3	21.6
11 17	0 37.85	+ 7 17.1	2.189	2.986	13.1	21.8

522960 2016 PX_{114} 10 8.8 151°.64 4°.6/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.06	− 5 23.9	1.850	2.744	11.8	21.3
9 18	1 16.33	− 6 7.5	1.799	2.749	8.5	21.2
9 28	1 7.85	− 6 49.1	1.773	2.753	5.5	21.0
10 8	0 58.47	− 7 22.4	1.775	2.757	4.8	21.0
10 18	0 49.17	− 7 42.2	1.805	2.761	7.2	21.1
10 28	0 40.93	− 7 44.9	1.861	2.764	10.5	21.3
11 7	0 34.54	− 7 29.5	1.941	2.767	13.6	21.5
11 17	0 30.43	− 6 56.9	2.041	2.770	16.2	21.7

295398 2008 JX_8 10 8.8 159°.18 6°.3/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.53	− 9 43.9	1.764	2.656	12.4	20.7
9 18	1 18.11	−10 36.1	1.718	2.661	9.3	20.5
9 28	1 8.81	−11 21.8	1.697	2.667	6.8	20.4
10 8	0 58.56	−11 53.9	1.702	2.671	6.6	20.4
10 18	0 48.43	−12 7.1	1.735	2.675	8.8	20.5
10 28	0 39.51	−11 58.6	1.794	2.679	11.9	20.7
11 7	0 32.62	−11 28.7	1.876	2.682	14.8	20.9
11 17	0 28.19	−10 39.8	1.977	2.684	17.3	21.1

371372 2006 QC_{51} 10 8.8 9°.73 2°.6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.96	+10 30.4	0.963	1.867	19.1	19.4
9 18	1 16.79	+11 2.7	0.916	1.868	14.0	19.2
9 28	1 8.55	+11 17.2	0.887	1.871	8.2	18.9
10 8	0 58.55	+11 16.2	0.879	1.876	2.9	18.6
10 18	0 48.51	+11 4.7	0.894	1.882	5.7	18.8
10 28	0 40.24	+10 50.8	0.931	1.889	11.4	19.1
11 7	0 35.02	+10 42.5	0.989	1.898	16.5	19.5
11 17	0 33.43	+10 45.5	1.064	1.908	20.8	19.8

55679 4230 T_{-1} 10 8.8 203°.59 0°.7/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.60	+ 6 28.9	1.808	2.689	12.7	20.3
9 18	1 16.20	+ 5 54.3	1.739	2.685	9.0	20.1
9 28	1 7.89	+ 5 9.9	1.695	2.681	4.7	19.8
10 8	0 58.50	+ 4 20.5	1.678	2.677	0.7	19.5
10 18	0 49.02	+ 3 31.9	1.689	2.672	4.5	19.8
10 28	0 40.54	+ 2 50.4	1.729	2.666	8.8	20.0
11 7	0 33.90	+ 2 21.1	1.794	2.660	12.7	20.2
11 17	0 29.65	+ 2 6.9	1.880	2.653	15.9	20.5

202477 2006 AX_{93} 10 8.8 200°.13 3°.3/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.10	+19 5.1	2.662	3.486	10.9	20.7
9 18	1 13.37	+19 7.8	2.581	3.483	8.5	20.6
9 28	1 6.26	+18 56.9	2.525	3.481	5.8	20.4
10 8	0 58.38	+18 33.2	2.496	3.478	3.6	20.2
10 18	0 50.40	+17 59.3	2.497	3.475	3.7	20.2
10 28	0 43.07	+17 19.1	2.527	3.471	6.0	20.4
11 7	0 37.01	+16 37.4	2.585	3.468	8.6	20.6
11 17	0 32.68	+15 58.8	2.667	3.464	11.1	20.7

21700 Caseynicole 10 8.8 19°.12 2°.3/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.94	+ 2 34.0	1.301	2.208	14.9	18.3
9 18	1 14.66	+ 2 0.6	1.254	2.213	10.4	18.1
9 28	1 7.14	+ 1 20.2	1.229	2.219	5.5	17.8
10 8	0 58.44	+ 0 40.0	1.229	2.226	2.4	17.6
10 18	0 49.82	+ 0 7.0	1.254	2.233	6.2	17.9
10 28	0 42.56	− 0 12.2	1.304	2.242	11.0	18.2
11 7	0 37.59	− 0 14.1	1.375	2.251	15.1	18.5
11 17	0 35.39	+ 0 2.5	1.466	2.261	18.6	18.8

512235 2015 VT_{100} 10 8.8 183°.02 4°.7/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.29	− 8 4.1	2.379	3.272	9.6	20.6
9 18	1 12.75	− 8 55.6	2.326	3.272	7.0	20.4
9 28	1 5.90	− 9 43.8	2.300	3.272	5.0	20.3
10 8	0 58.36	−10 23.4	2.301	3.272	4.9	20.3
10 18	0 50.83	−10 50.1	2.331	3.272	6.8	20.4
10 28	0 44.07	−11 0.7	2.387	3.271	9.3	20.6
11 7	0 38.67	−10 54.2	2.468	3.271	11.7	20.8
11 17	0 35.02	−10 31.3	2.570	3.270	13.8	20.9

460160 2014 QN_{21} 10 8.8 18°.63 10°.8/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.50	+37 50.0	2.118	2.828	16.8	21.0
9 18	1 18.66	+39 13.6	2.045	2.831	15.0	20.8
9 28	1 9.42	+40 11.2	1.991	2.834	13.1	20.7
10 8	0 58.63	+40 38.3	1.960	2.838	11.6	20.6
10 18	0 47.48	+40 33.7	1.951	2.842	10.9	20.6
10 28	0 37.29	+40 0.3	1.966	2.847	11.2	20.6
11 7	0 29.22	+39 5.5	2.005	2.851	12.4	20.7
11 17	0 23.96	+37 58.5	2.066	2.857	14.0	20.9

324368 2006 QZ_{165} 10 8.8 35°.62 4°.3/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.90	+17 6.4	1.069	1.950	19.5	19.8
9 18	1 15.71	+17 4.6	1.027	1.963	14.7	19.5
9 28	1 7.81	+16 35.5	1.003	1.978	9.5	19.3
10 8	0 58.50	+15 43.0	1.001	1.993	4.9	19.1
10 18	0 49.34	+14 35.2	1.023	2.009	5.7	19.2
10 28	0 41.91	+13 23.6	1.069	2.026	10.3	19.5
11 7	0 37.27	+12 19.6	1.136	2.044	15.0	19.9
11 17	0 35.89	+11 31.0	1.222	2.063	18.9	20.2

470583 2008 JJ_{11} 10 8.8 39°.08 4°.0/ 5.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.32	+ 1 35.6	1.145	2.061	15.7	20.6
9 18	1 13.55	+ 0 6.0	1.113	2.076	10.8	20.4
9 28	1 6.52	− 1 29.8	1.103	2.092	5.9	20.2
10 8	0 58.40	− 3 0.2	1.117	2.110	4.2	20.1
10 18	0 50.53	− 4 14.4	1.155	2.127	8.0	20.4
10 28	0 44.20	− 5 4.1	1.217	2.146	12.5	20.7
11 7	0 40.26	− 5 26.4	1.300	2.165	16.6	21.0
11 17	0 39.11	− 5 22.0	1.400	2.184	19.8	21.3

511662 2015 BJ_{302} 10 8.8 259°.47 3°.0/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.17	+ 0 19.4	1.492	2.389	13.9	21.5
9 18	1 17.64	− 0 12.2	1.426	2.381	9.8	21.2
9 28	1 8.79	− 0 48.1	1.385	2.372	5.4	20.9
10 8	0 58.58	− 1 22.1	1.369	2.363	3.1	20.8
10 18	0 48.25	− 1 47.5	1.379	2.354	6.6	21.0
10 28	0 39.10	− 1 58.7	1.416	2.345	11.1	21.2
11 7	0 32.17	− 1 52.5	1.476	2.336	15.3	21.4
11 17	0 28.06	− 1 28.0	1.555	2.326	18.7	21.7

431369 2007 DN_{111} 10 8.8 309°.10 0°.4/ 8.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.35	+ 7 0.0	2.688	3.566	9.2	21.6
9 18	1 10.05	+ 6 23.6	2.596	3.541	6.5	21.4
9 28	1 4.53	+ 5 39.4	2.530	3.516	3.4	21.2
10 8	0 58.27	+ 4 50.8	2.493	3.492	0.4	20.9
10 18	0 51.86	+ 4 1.7	2.485	3.467	3.2	21.1
10 28	0 45.97	+ 3 16.7	2.506	3.443	6.5	21.3
11 7	0 41.15	+ 2 39.6	2.554	3.418	9.4	21.4
11 17	0 37.86	+ 2 13.4	2.625	3.394	11.9	21.6

165594 2001 FT_{40} 10 8.8 152°.05 1°.2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.73	+10 25.1	2.032	2.895	12.3	20.2
9 18	1 16.81	+10 27.0	1.966	2.900	8.9	20.0
9 28	1 8.16	+10 18.2	1.925	2.905	5.1	19.8
10 8	0 58.54	+10 1.2	1.912	2.910	1.5	19.5
10 18	0 48.90	+ 9 39.5	1.929	2.914	3.6	19.7
10 28	0 40.20	+ 9 17.6	1.974	2.918	7.4	19.9
11 7	0 33.23	+ 9 0.2	2.046	2.921	10.9	20.2
11 17	0 28.48	+ 8 50.8	2.140	2.924	13.8	20.4

253382 2003 JG_8 10 8.8 218°.25 3°.3/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 12.59	−12 28.7	4.554	5.436	5.6	19.9
9 18	1 8.33	−12 56.8	4.501	5.435	4.3	19.8
9 28	1 3.42	−13 21.2	4.476	5.433	3.4	19.8
10 8	0 58.19	−13 39.5	4.480	5.432	3.5	19.8
10 18	0 52.96	−13 49.7	4.513	5.430	4.5	19.8
10 28	0 48.08	−13 50.6	4.574	5.429	5.8	19.9
11 7	0 43.88	−13 41.6	4.661	5.427	7.2	20.0
11 17	0 40.59	−13 22.6	4.770	5.426	8.3	20.1

23915 1998 SN_{130} 10 8.8 40°.10 0°.3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.82	+ 9 7.8	1.806	2.688	12.7	17.9
9 18	1 12.69	+ 8 36.4	1.757	2.703	9.0	17.7
9 28	1 5.94	+ 7 54.0	1.733	2.718	4.8	17.5
10 8	0 58.37	+ 7 5.0	1.734	2.733	0.6	17.2
10 18	0 50.90	+ 6 15.2	1.764	2.749	3.8	17.5
10 28	0 44.43	+ 5 30.7	1.820	2.765	7.9	17.8
11 7	0 39.68	+ 4 56.5	1.902	2.782	11.4	18.0
11 17	0 37.06	+ 4 35.5	2.006	2.798	14.3	18.3

303598 2005 HR_5 10 8.8 111°.81 5°.3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.35	− 7 54.1	2.037	2.932	10.9	20.8
9 18	1 14.26	− 8 59.5	1.998	2.946	7.9	20.6
9 28	1 6.70	−10 0.7	1.986	2.959	5.7	20.5
10 8	0 58.43	−10 51.2	2.002	2.972	5.6	20.5
10 18	0 50.30	−11 25.7	2.045	2.985	7.6	20.7
10 28	0 43.15	−11 41.0	2.114	2.998	10.3	20.9
11 7	0 37.63	−11 36.5	2.207	3.010	12.9	21.1
11 17	0 34.12	−11 13.5	2.320	3.022	15.1	21.3

300851 2007 YD_{25} 10 8.8 22°.10 0°.5/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.31	+10 46.5	1.640	2.522	13.7	20.6
9 18	1 12.57	+ 9 55.2	1.580	2.525	9.8	20.3
9 28	1 5.98	+ 8 48.5	1.543	2.528	5.4	20.1
10 8	0 58.39	+ 7 32.3	1.533	2.531	0.7	19.8
10 18	0 50.79	+ 6 14.0	1.549	2.535	4.2	20.0
10 28	0 44.24	+ 5 2.0	1.593	2.539	8.7	20.3
11 7	0 39.54	+ 4 3.3	1.661	2.544	12.6	20.6
11 17	0 37.17	+ 3 22.0	1.751	2.548	15.9	20.8

519132 2010 MB_{80} 10 8.8 307.°13 2.°1/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.08	+ 1 22.9	1.898	2.790	11.7	21.0
9 18	1 14.38	+ 0 57.0	1.830	2.782	8.2	20.8
9 28	1 6.92	+ 0 26.8	1.786	2.774	4.4	20.6
10 8	0 58.46	− 0 2.9	1.770	2.766	2.2	20.4
10 18	0 49.92	− 0 27.1	1.783	2.758	5.2	20.6
10 28	0 42.27	− 0 41.2	1.822	2.751	9.0	20.8
11 7	0 36.30	− 0 42.1	1.886	2.744	12.5	21.0
11 17	0 32.52	− 0 28.6	1.971	2.737	15.5	21.2

404756 2014 JH_{37} 10 8.8 51.°96 1.°4/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.02	+ 5 1.9	1.787	2.679	12.3	20.9
9 18	1 12.90	+ 4 7.5	1.732	2.684	8.5	20.7
9 28	1 6.09	+ 3 4.5	1.701	2.690	4.4	20.5
10 8	0 58.40	+ 1 59.2	1.698	2.695	1.5	20.3
10 18	0 50.74	+ 0 58.2	1.722	2.701	4.9	20.6
10 28	0 44.06	+ 0 8.0	1.773	2.707	8.9	20.8
11 7	0 39.10	− 0 26.9	1.849	2.712	12.5	21.0
11 17	0 36.30	− 0 44.2	1.945	2.718	15.4	21.3

51931 2001 QA_{128} 10 8.8 125.°94 3.°5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.37	+19 21.0	2.089	2.924	13.1	19.4
9 18	1 13.75	+19 0.8	2.022	2.932	10.1	19.2
9 28	1 6.53	+18 22.4	1.978	2.939	6.7	19.0
10 8	0 58.44	+17 28.1	1.961	2.947	3.9	18.9
10 18	0 50.35	+16 22.5	1.972	2.954	4.1	18.9
10 28	0 43.16	+15 11.9	2.012	2.961	6.9	19.1
11 7	0 37.60	+14 3.5	2.079	2.968	10.1	19.3
11 17	0 34.11	+13 3.1	2.169	2.974	13.0	19.5

282707 2006 BK_{115} 10 8.8 64.°83 1.°3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.50	+11 52.8	1.557	2.434	14.6	20.0
9 18	1 14.84	+11 23.6	1.504	2.444	10.6	19.8
9 28	1 7.18	+10 38.5	1.473	2.455	6.0	19.6
10 8	0 58.49	+ 9 42.2	1.469	2.466	1.6	19.3
10 18	0 49.87	+ 8 41.5	1.491	2.478	4.2	19.5
10 28	0 42.46	+ 7 44.1	1.540	2.489	8.7	19.8
11 7	0 37.09	+ 6 57.0	1.614	2.500	12.7	20.1
11 17	0 34.25	+ 6 24.5	1.709	2.512	16.0	20.3

515431 2013 JG_{54} 10 8.8 117.°43 2.°7/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.32	− 1 3.6	2.320	3.211	9.9	21.6
9 18	1 12.78	− 1 47.7	2.267	3.218	6.9	21.4
9 28	1 5.93	− 2 33.3	2.240	3.226	3.9	21.3
10 8	0 58.40	− 3 15.9	2.242	3.233	2.8	21.2
10 18	0 50.92	− 3 50.7	2.273	3.240	5.1	21.4
10 28	0 44.22	− 4 14.2	2.333	3.247	8.1	21.6
11 7	0 38.90	− 4 23.9	2.417	3.254	10.9	21.8
11 17	0 35.35	− 4 19.3	2.523	3.260	13.2	21.9

490808 2010 VK_{112} 10 8.8 248.°37 7.°9/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.37	−23 34.3	2.799	3.652	9.6	22.3
9 18	1 15.58	−24 26.5	2.741	3.634	8.4	22.2
9 28	1 7.42	−25 6.2	2.709	3.614	7.9	22.1
10 8	0 58.52	−25 28.3	2.703	3.595	8.3	22.1
10 18	0 49.59	−25 29.4	2.724	3.574	9.6	22.2
10 28	0 41.38	−25 8.0	2.770	3.554	11.2	22.3
11 7	0 34.53	−24 25.3	2.838	3.532	12.8	22.4
11 17	0 29.45	−23 23.7	2.924	3.511	14.3	22.5

211246 2002 QK_{58} 10 8.8 324.°84 4.°9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.11	− 1 21.2	1.486	2.399	13.0	19.5
9 18	1 11.25	− 3 8.3	1.423	2.384	9.2	19.3
9 28	1 5.39	− 5 2.0	1.385	2.370	5.7	19.0
10 8	0 58.37	− 6 51.5	1.372	2.357	5.4	19.0
10 18	0 51.22	− 8 25.7	1.385	2.344	8.6	19.1
10 28	0 45.06	− 9 35.7	1.423	2.331	12.7	19.4
11 7	0 40.80	−10 16.8	1.482	2.320	16.4	19.6
11 17	0 39.01	−10 28.6	1.558	2.309	19.5	19.8

507642 2013 NE_{7} 10 8.8 85.°00 1.°6/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.44	+12 59.6	1.303	2.182	16.8	21.4
9 18	1 17.09	+12 21.3	1.258	2.199	12.2	21.1
9 28	1 8.42	+11 23.3	1.235	2.217	7.0	20.9
10 8	0 58.59	+10 11.5	1.237	2.234	2.0	20.6
10 18	0 48.97	+ 8 54.8	1.265	2.252	4.7	20.9
10 28	0 40.90	+ 7 43.1	1.319	2.269	9.7	21.2
11 7	0 35.29	+ 6 44.8	1.396	2.285	14.1	21.5
11 17	0 32.61	+ 6 4.8	1.494	2.302	17.7	21.8

98668 2000 WY_{163} 10 8.8 234.°45 0.°5/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.57	+ 9 57.1	2.100	2.969	11.7	21.1
9 18	1 14.68	+ 9 23.7	2.018	2.956	8.4	20.9
9 28	1 7.10	+ 8 38.4	1.960	2.943	4.7	20.6
10 8	0 58.51	+ 7 44.9	1.931	2.929	0.7	20.3
10 18	0 49.76	+ 6 48.1	1.930	2.915	3.7	20.5
10 28	0 41.78	+ 5 54.2	1.959	2.900	7.6	20.7
11 7	0 35.35	+ 5 8.7	2.014	2.885	11.3	20.9
11 17	0 31.01	+ 4 35.6	2.091	2.869	14.3	21.1

477112 2009 BB_{178} 10 8.8 322.°42 2.°9/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.95	+12 59.0	1.375	2.256	16.0	21.0
9 18	1 15.13	+13 13.8	1.290	2.230	12.0	20.7
9 28	1 7.73	+13 11.6	1.227	2.206	7.4	20.4
10 8	0 58.57	+12 53.8	1.186	2.181	3.2	20.1
10 18	0 48.91	+12 24.2	1.171	2.158	5.0	20.1
10 28	0 40.24	+11 49.8	1.181	2.135	10.0	20.4
11 7	0 33.83	+11 18.8	1.214	2.114	14.9	20.6
11 17	0 30.51	+10 58.0	1.266	2.093	19.1	20.8

515463 2013 YR_{62} 10 8.8 288.°64 0.°8/ 8.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.99	+ 6 57.1	1.525	2.417	14.0	21.4
9 18	1 14.75	+ 6 14.8	1.451	2.402	10.0	21.2
9 28	1 7.31	+ 5 19.4	1.399	2.387	5.3	20.9
10 8	0 58.53	+ 4 16.9	1.373	2.372	0.8	20.5
10 18	0 49.53	+ 3 14.6	1.374	2.358	5.2	20.8
10 28	0 41.55	+ 2 20.9	1.402	2.343	10.1	21.0
11 7	0 35.60	+ 1 42.3	1.452	2.328	14.5	21.3
11 17	0 32.33	+ 1 22.8	1.523	2.314	18.2	21.5

29239 1992 EJ_{17} 10 8.8 260.°00 4.°7/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.85	− 2 15.2	1.551	2.455	13.0	19.1
9 18	1 14.46	− 3 35.2	1.494	2.450	9.2	18.8
9 28	1 7.05	− 4 58.2	1.461	2.445	5.7	18.6
10 8	0 58.50	− 6 15.4	1.454	2.440	4.9	18.6
10 18	0 49.92	− 7 17.9	1.474	2.435	8.0	18.7
10 28	0 42.43	− 7 59.1	1.519	2.429	11.9	19.0
11 7	0 36.94	− 8 15.9	1.586	2.424	15.5	19.2
11 17	0 33.97	− 8 8.4	1.672	2.419	18.6	19.4

300661 2007 UQ_{125} 10 8.8 59.°64 0.°7/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.06	+10 9.1	1.692	2.571	13.6	21.3
9 18	1 14.45	+ 9 42.6	1.634	2.577	9.7	21.1
9 28	1 6.98	+ 9 2.8	1.599	2.583	5.4	20.8
10 8	0 58.50	+ 8 14.3	1.590	2.589	1.0	20.5
10 18	0 50.04	+ 7 22.9	1.609	2.595	4.0	20.8
10 28	0 42.64	+ 6 35.4	1.655	2.601	8.4	21.1
11 7	0 37.14	+ 5 57.7	1.726	2.608	12.2	21.3
11 17	0 34.01	+ 5 33.6	1.819	2.614	15.5	21.5

89169 2001 UR_{52} 10 8.8 202.°00 4.°8/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.38	− 5 24.0	1.860	2.755	11.7	19.3
9 18	1 15.96	− 6 21.5	1.803	2.753	8.4	19.1
9 28	1 7.75	− 7 17.8	1.770	2.749	5.6	18.9
10 8	0 58.57	− 8 5.9	1.765	2.745	5.0	18.9
10 18	0 49.38	− 8 39.9	1.788	2.741	7.5	19.0
10 28	0 41.18	− 8 55.2	1.837	2.736	10.8	19.2
11 7	0 34.78	− 8 50.4	1.910	2.731	14.0	19.4
11 17	0 30.67	− 8 26.2	2.003	2.726	16.6	19.6

332458 2008 CW_{84} 10 8.8 185.°24 2.°4/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.19	+ 3 16.5	1.633	2.527	13.1	21.5
9 18	1 15.31	+ 2 7.2	1.574	2.527	9.1	21.3
9 28	1 7.47	+ 0 49.4	1.539	2.527	4.8	21.1
10 8	0 58.55	− 0 29.3	1.531	2.527	2.5	20.9
10 18	0 49.63	− 1 40.6	1.551	2.526	6.0	21.1
10 28	0 41.80	− 2 37.0	1.598	2.524	10.3	21.4
11 7	0 35.92	− 3 13.8	1.668	2.522	14.1	21.6
11 17	0 32.52	− 3 29.3	1.759	2.520	17.2	21.8

515547 2014 GC_{57} 10 8.8 300.°28 0.°5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.76	+ 6 9.2	1.738	2.611	13.5	21.0
9 18	1 20.72	+ 6 43.6	1.666	2.607	9.7	20.7
9 28	1 10.42	+ 7 11.7	1.618	2.602	5.3	20.5
10 8	0 58.79	+ 7 34.8	1.599	2.598	0.8	20.1
10 18	0 46.99	+ 7 55.1	1.609	2.593	4.3	20.4
10 28	0 36.28	+ 8 15.5	1.648	2.589	8.8	20.6
11 7	0 27.68	+ 8 39.3	1.712	2.585	12.8	20.9
11 17	0 21.81	+ 9 9.2	1.799	2.581	16.1	21.1

454582 2014 PV_{24} 10 8.8 3.°05 5.°6/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.57	− 5 54.0	1.734	2.644	11.6	19.7
9 18	1 10.55	− 7 27.8	1.688	2.644	8.4	19.5
9 28	1 4.89	− 9 0.1	1.666	2.644	6.0	19.4
10 8	0 58.36	−10 22.2	1.671	2.645	6.1	19.4
10 18	0 51.85	−11 26.4	1.702	2.647	8.6	19.6
10 28	0 46.27	−12 7.2	1.757	2.649	11.7	19.8
11 7	0 42.34	−12 23.0	1.835	2.652	14.6	20.0
11 17	0 40.50	−12 14.5	1.931	2.656	17.1	20.2

395391 2011 SP_{86} 10 8.8 58.°27 1.°5/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.89	+13 7.1	1.698	2.569	13.9	20.8
9 18	1 13.62	+12 32.6	1.642	2.579	10.1	20.6
9 28	1 6.53	+11 41.8	1.609	2.589	5.9	20.4
10 8	0 58.49	+10 39.4	1.602	2.599	1.9	20.1
10 18	0 50.50	+ 9 31.7	1.622	2.609	3.9	20.3
10 28	0 43.58	+ 8 26.5	1.670	2.619	8.1	20.6
11 7	0 38.52	+ 7 30.6	1.743	2.629	11.9	20.8
11 17	0 35.78	+ 6 48.7	1.837	2.640	15.1	21.1

455122 2015 VC_{34} 10 8.8 46°.83 2°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.32	+15 33.1	1.854	2.713	13.5	20.8
9 18	1 13.11	+15 14.1	1.799	2.726	10.0	20.6
9 28	1 6.22	+14 38.6	1.767	2.740	6.2	20.4
10 8	0 58.47	+13 50.0	1.761	2.754	2.9	20.2
10 18	0 50.78	+12 53.4	1.783	2.768	3.8	20.3
10 28	0 44.09	+11 55.4	1.832	2.783	7.3	20.6
11 7	0 39.12	+11 2.5	1.907	2.798	10.8	20.8
11 17	0 36.32	+10 19.9	2.005	2.813	13.8	21.0

242838 2006 DG_{82} 10 8.8 233°.72 0°.8/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.32	+ 6 33.5	1.801	2.686	12.6	21.4
9 18	1 14.64	+ 5 52.3	1.732	2.680	8.9	21.1
9 28	1 7.13	+ 5 0.9	1.687	2.675	4.6	20.9
10 8	0 58.56	+ 4 4.4	1.670	2.669	0.8	20.6
10 18	0 49.90	+ 3 8.9	1.680	2.662	4.6	20.9
10 28	0 42.18	+ 2 21.3	1.718	2.656	8.8	21.1
11 7	0 36.23	+ 1 46.6	1.781	2.649	12.6	21.3
11 17	0 32.59	+ 1 27.8	1.865	2.643	15.8	21.5

516049 2015 TS_{137} 10 8.8 58°.50 4°.6/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.16	− 5 27.3	2.053	2.953	10.6	21.0
9 18	1 12.12	− 6 36.4	2.008	2.960	7.6	20.8
9 28	1 5.64	− 7 43.9	1.989	2.968	5.1	20.7
10 8	0 58.44	− 8 43.2	1.998	2.975	4.9	20.7
10 18	0 51.30	− 9 28.6	2.034	2.983	7.1	20.8
10 28	0 45.03	− 9 56.2	2.096	2.990	9.9	21.0
11 7	0 40.26	−10 4.3	2.182	2.998	12.6	21.2
11 17	0 37.39	− 9 53.4	2.288	3.006	14.9	21.4

102117 1999 RW_{170} 10 8.8 353°.42 2°.5/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.00	+ 4 15.2	1.107	2.026	15.9	18.9
9 18	1 10.90	+ 3 13.9	1.052	2.017	11.1	18.6
9 28	1 5.37	+ 1 59.9	1.018	2.010	5.8	18.3
10 8	0 58.43	+ 0 42.6	1.007	2.004	2.6	18.1
10 18	0 51.40	− 0 26.9	1.019	2.000	7.0	18.4
10 28	0 45.67	− 1 18.3	1.054	1.998	12.3	18.7
11 7	0 42.31	− 1 45.5	1.110	1.998	17.0	18.9
11 17	0 41.87	− 1 46.4	1.182	1.999	20.9	19.2

228085 2008 RT_{29} 10 8.8 0°.46 0°.2/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 11.26	+ 6 33.9	4.099	4.971	6.4	20.4
9 18	1 7.52	+ 6 4.6	4.029	4.971	4.5	20.3
9 28	1 3.08	+ 5 31.1	3.986	4.971	2.3	20.1
10 8	0 58.25	+ 4 55.4	3.972	4.971	0.3	19.9
10 18	0 53.41	+ 4 20.1	3.989	4.971	2.2	20.1
10 28	0 48.93	+ 3 47.5	4.036	4.971	4.3	20.3
11 7	0 45.15	+ 3 20.0	4.112	4.971	6.2	20.4
11 17	0 42.33	+ 2 59.2	4.212	4.971	7.9	20.6

308908 2006 SW_{254} 10 8.8 18°.22 0°.3/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.87	+ 7 24.9	1.690	2.578	13.1	21.2
9 18	1 13.65	+ 6 52.4	1.631	2.580	9.2	20.9
9 28	1 6.59	+ 6 9.3	1.596	2.583	4.9	20.7
10 8	0 58.53	+ 5 20.4	1.586	2.585	0.4	20.4
10 18	0 50.46	+ 4 31.8	1.605	2.589	4.4	20.7
10 28	0 43.41	+ 3 50.1	1.650	2.592	8.7	20.9
11 7	0 38.20	+ 3 20.4	1.719	2.596	12.5	21.2
11 17	0 35.31	+ 3 5.7	1.809	2.600	15.7	21.4

22187 2000 YZ_{33} 10 8.8 95°.42 8°.7/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.96	+37 53.4	2.450	3.152	14.9	18.5
9 18	1 15.70	+38 25.8	2.381	3.166	13.1	18.4
9 28	1 7.66	+38 33.1	2.332	3.180	11.2	18.2
10 8	0 58.61	+38 13.7	2.304	3.193	9.6	18.2
10 18	0 49.52	+37 28.5	2.302	3.207	8.8	18.1
10 28	0 41.37	+36 21.7	2.325	3.220	9.0	18.2
11 7	0 34.97	+35 0.6	2.373	3.233	10.2	18.3
11 17	0 30.82	+33 33.2	2.446	3.246	11.8	18.4

26034 9611 $P–L$ 10 8.8 53°.77 3°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.90	+13 10.1	1.531	2.395	15.6	18.3
9 18	1 19.44	+13 47.4	1.479	2.410	11.5	18.1
9 28	1 9.71	+14 9.5	1.450	2.425	7.2	17.9
10 8	0 58.77	+14 17.3	1.447	2.440	3.5	17.7
10 18	0 47.90	+14 13.7	1.472	2.456	4.7	17.8
10 28	0 38.40	+14 3.8	1.523	2.471	8.8	18.1
11 7	0 31.23	+13 54.0	1.599	2.487	12.6	18.3
11 17	0 26.93	+13 49.2	1.697	2.504	15.9	18.6

161041 2002 GQ_{159} 10 8.8 39°.28 0°.6/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.16	+ 8 12.6	1.288	2.180	16.1	18.8
9 18	1 16.87	+ 8 11.6	1.249	2.199	11.4	18.6
9 28	1 8.32	+ 7 57.9	1.233	2.219	6.2	18.4
10 8	0 58.66	+ 7 36.1	1.241	2.240	0.9	18.1
10 18	0 49.24	+ 7 11.9	1.275	2.261	4.7	18.4
10 28	0 41.36	+ 6 51.9	1.334	2.283	9.6	18.8
11 7	0 35.92	+ 6 41.5	1.416	2.305	13.9	19.1
11 17	0 33.35	+ 6 43.7	1.518	2.328	17.3	19.4

447307 2005 WR_{144} 10 8.8 22°.75 1°.3/ 7.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.05	+ 4 17.2	1.358	2.262	14.6	20.3
9 18	1 13.92	+ 3 57.1	1.319	2.276	10.2	20.0
9 28	1 6.74	+ 3 29.1	1.302	2.291	5.3	19.8
10 8	0 58.54	+ 2 59.1	1.309	2.308	1.3	19.6
10 18	0 50.51	+ 2 33.1	1.342	2.325	5.3	19.9
10 28	0 43.81	+ 2 17.0	1.401	2.344	9.9	20.2
11 7	0 39.28	+ 2 14.7	1.482	2.364	13.9	20.5
11 17	0 37.33	+ 2 27.4	1.583	2.384	17.1	20.8

461183 2015 VO_{63} 10 8.8 245°.21 4°.7/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.09	− 8 35.8	2.571	3.464	9.0	21.0
9 18	1 11.95	− 9 37.0	2.509	3.454	6.7	20.8
9 28	1 5.55	−10 35.4	2.473	3.443	4.9	20.7
10 8	0 58.46	−11 25.7	2.465	3.432	5.0	20.7
10 18	0 51.31	−12 3.3	2.486	3.421	6.8	20.8
10 28	0 44.81	−12 24.8	2.534	3.410	9.2	20.9
11 7	0 39.52	−12 28.8	2.606	3.398	11.5	21.0
11 17	0 35.86	−12 15.6	2.699	3.387	13.5	21.2

376976 2002 NQ_{68} 10 8.8 41°.84 1°.1/ 8.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.65	+ 7 9.3	1.044	1.952	17.6	20.7
9 18	1 15.35	+ 6 15.4	1.013	1.972	12.2	20.4
9 28	1 7.56	+ 5 7.4	1.003	1.992	6.3	20.2
10 8	0 58.60	+ 3 54.8	1.015	2.014	1.1	19.9
10 18	0 49.97	+ 2 48.0	1.052	2.036	6.0	20.3
10 28	0 43.09	+ 1 56.5	1.112	2.059	11.4	20.7
11 7	0 38.88	+ 1 26.2	1.194	2.082	16.0	21.0
11 17	0 37.70	+ 1 18.5	1.293	2.106	19.6	21.4

224066 2005 NZ_{27} 10 8.8 51°.92 1°.0/ 8.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.47	+ 7 4.2	1.192	2.093	16.4	20.4
9 18	1 15.73	+ 6 11.2	1.158	2.114	11.4	20.1
9 28	1 7.70	+ 5 5.3	1.146	2.135	5.9	19.9
10 8	0 58.61	+ 3 55.1	1.158	2.157	1.0	19.6
10 18	0 49.82	+ 2 49.9	1.195	2.179	5.7	20.0
10 28	0 42.63	+ 1 58.5	1.258	2.201	10.7	20.4
11 7	0 37.91	+ 1 26.2	1.342	2.224	15.0	20.7
11 17	0 36.06	+ 1 14.9	1.445	2.247	18.5	21.0

318937 2005 UC_{125} 10 8.8 294°.48 2°.8/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.95	+17 35.0	2.060	2.908	12.8	21.1
9 18	1 12.19	+17 4.8	1.981	2.900	9.7	20.9
9 28	1 5.81	+16 16.5	1.925	2.893	6.3	20.7
10 8	0 58.48	+15 13.1	1.895	2.886	3.2	20.5
10 18	0 51.05	+13 59.3	1.894	2.879	3.8	20.5
10 28	0 44.41	+12 42.0	1.921	2.872	7.1	20.7
11 7	0 39.32	+11 28.5	1.975	2.865	10.5	20.9
11 17	0 36.26	+10 24.9	2.051	2.858	13.6	21.1

184666 2005 SQ_{58} 10 8.8 101°.73 0°.3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.55	+ 7 50.8	2.097	2.970	11.6	20.2
9 18	1 15.23	+ 7 43.9	2.036	2.977	8.2	20.0
9 28	1 7.34	+ 7 28.6	2.001	2.985	4.4	19.8
10 8	0 58.60	+ 7 8.0	1.993	2.992	0.5	19.5
10 18	0 49.87	+ 6 45.8	2.015	2.999	3.6	19.7
10 28	0 42.04	+ 6 26.3	2.065	3.006	7.3	20.0
11 7	0 35.82	+ 6 13.4	2.141	3.013	10.6	20.2
11 17	0 31.65	+ 6 9.7	2.241	3.020	13.4	20.4

294392 2007 VU_{163} 10 8.8 233°.29 1°.8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.42	+13 53.4	2.063	2.921	12.3	21.1
9 18	1 13.90	+13 29.5	1.986	2.915	9.1	20.9
9 28	1 6.72	+12 51.0	1.932	2.908	5.5	20.7
10 8	0 58.56	+12 0.7	1.905	2.901	2.1	20.5
10 18	0 50.29	+11 3.4	1.908	2.893	3.5	20.5
10 28	0 42.82	+10 5.2	1.938	2.886	7.3	20.8
11 7	0 36.93	+ 9 12.3	1.995	2.878	10.8	21.0
11 17	0 33.14	+ 8 29.6	2.076	2.870	13.9	21.2

202838 2008 SE_{206} 10 8.8 40°.03 4°.9/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.26	− 2 27.4	1.142	2.056	15.9	19.0
9 18	1 16.21	− 3 19.7	1.119	2.080	11.1	18.8
9 28	1 7.91	− 4 11.1	1.119	2.105	6.5	18.7
10 8	0 58.64	− 4 52.7	1.142	2.131	5.0	18.7
10 18	0 49.80	− 5 17.2	1.189	2.158	8.3	18.9
10 28	0 42.69	− 5 20.3	1.260	2.186	12.5	19.2
11 7	0 38.10	− 5 1.4	1.352	2.214	16.3	19.6
11 17	0 36.38	− 4 22.8	1.462	2.242	19.3	19.9

345226 2005 UY_{189} 10 8.8 251°.11 0°.4/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.18	+ 9 29.4	3.337	4.200	7.9	21.7
9 18	1 9.73	+ 9 2.2	3.254	4.191	5.7	21.5
9 28	1 4.32	+ 8 28.0	3.199	4.181	3.1	21.3
10 8	0 58.38	+ 7 49.3	3.173	4.171	0.5	21.1
10 18	0 52.37	+ 7 8.9	3.177	4.162	2.4	21.3
10 28	0 46.82	+ 6 30.0	3.211	4.152	5.0	21.4
11 7	0 42.16	+ 5 56.0	3.273	4.142	7.4	21.6
11 17	0 38.74	+ 5 29.2	3.361	4.131	9.5	21.7

381841 2009 WN_{94} 10 8.8 165°.84 1°.2/ 7.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.24	+ 6 37.1	1.724	2.611	13.0	21.6
9 18	1 14.58	+ 5 30.7	1.664	2.614	9.0	21.4
9 28	1 7.08	+ 4 13.1	1.629	2.616	4.7	21.2
10 8	0 58.60	+ 2 51.0	1.620	2.619	1.2	20.9
10 18	0 50.12	+ 1 32.2	1.640	2.620	5.0	21.2
10 28	0 42.68	+ 0 24.6	1.688	2.622	9.2	21.4
11 7	0 37.08	− 0 26.3	1.760	2.623	13.0	21.7
11 17	0 33.81	− 0 57.5	1.853	2.624	16.1	21.9

352292 2007 TG_{419} 10 8.8 12°.40 4°.3/ 6.3 16

9 8	1 20.01	− 2 7.9	1.120	2.038	15.8	19.9
9 18	1 14.95	− 2 29.7	1.080	2.043	11.1	19.6
9 28	1 7.43	− 2 52.0	1.061	2.050	6.4	19.4
10 8	0 58.62	− 3 7.2	1.065	2.058	4.4	19.3
10 18	0 49.97	− 3 9.0	1.093	2.068	7.9	19.5
10 28	0 42.87	− 2 52.9	1.144	2.079	12.5	19.8
11 7	0 38.31	− 2 17.9	1.215	2.092	16.7	20.1
11 17	0 36.75	− 1 25.1	1.305	2.106	20.1	20.4

359692 2011 SB_{183} 10 8.8 325°.81 1°.1/ 9.7 18

9 8	1 19.57	+10 29.1	1.669	2.548	13.7	20.9
9 18	1 14.31	+10 15.6	1.598	2.540	9.9	20.7
9 28	1 7.05	+ 9 48.6	1.550	2.533	5.6	20.4
10 8	0 58.61	+ 9 11.6	1.527	2.525	1.4	20.1
10 18	0 50.02	+ 8 29.7	1.532	2.518	4.1	20.3
10 28	0 42.40	+ 7 49.5	1.563	2.511	8.6	20.6
11 7	0 36.68	+ 7 17.2	1.619	2.505	12.6	20.8
11 17	0 33.41	+ 6 57.1	1.696	2.499	16.1	21.0

97695 2000 GK_{49} 10 8.8 268°.03 0°.2/ 9.1 18

9 8	1 17.48	+ 8 42.5	2.501	3.372	10.0	19.4
9 18	1 12.35	+ 8 14.7	2.415	3.355	7.2	19.2
9 28	1 5.84	+ 7 38.0	2.354	3.338	3.9	18.9
10 8	0 58.52	+ 6 55.4	2.322	3.321	0.4	18.6
10 18	0 51.06	+ 6 11.0	2.319	3.304	3.2	18.8
10 28	0 44.19	+ 5 29.2	2.346	3.286	6.6	19.0
11 7	0 38.56	+ 4 54.4	2.399	3.268	9.8	19.2
11 17	0 34.64	+ 4 29.8	2.476	3.251	12.4	19.4

133410 2003 SP_{176} 10 8.8 323°.57 1°.9/ 7.3 18

9 8	1 19.89	+ 3 31.9	1.579	2.476	13.3	20.0
9 18	1 14.54	+ 2 52.7	1.516	2.470	9.3	19.8
9 28	1 7.16	+ 2 5.6	1.476	2.464	4.9	19.5
10 8	0 58.63	+ 1 16.7	1.461	2.459	1.9	19.3
10 18	0 50.00	+ 0 32.7	1.474	2.453	5.6	19.5
10 28	0 42.44	+ 0 0.1	1.513	2.449	10.0	19.8
11 7	0 36.84	− 0 16.6	1.576	2.444	14.0	20.0
11 17	0 33.75	− 0 15.3	1.658	2.440	17.3	20.2

500355 2012 TR_{14} 10 8.8 198°.47 15°.4/19.4 17

9 8	1 32.45	+37 13.6	1.272	2.028	23.9	20.9
9 18	1 24.97	+39 5.9	1.205	2.027	21.4	20.7
9 28	1 13.47	+40 20.9	1.155	2.025	18.7	20.5
10 8	0 59.15	+40 48.4	1.122	2.023	16.4	20.4
10 18	0 44.09	+40 23.6	1.109	2.021	15.4	20.3
10 28	0 30.74	+39 12.0	1.117	2.018	16.0	20.3
11 7	0 21.07	+37 28.3	1.145	2.015	18.0	20.5
11 17	0 16.03	+35 30.6	1.192	2.012	20.6	20.6

233288 2006 AV_{93} 10 8.8 49°.20 7°.4/14.3 18

9 8	1 26.26	+23 33.8	1.538	2.361	17.5	19.4
9 18	1 19.28	+24 32.6	1.479	2.371	14.2	19.2
9 28	1 9.79	+25 7.3	1.441	2.382	10.7	19.1
10 8	0 58.84	+25 15.6	1.427	2.392	8.0	18.9
10 18	0 47.78	+24 59.0	1.438	2.403	7.6	18.9
10 28	0 38.05	+24 23.8	1.475	2.415	9.8	19.1
11 7	0 30.76	+23 38.9	1.536	2.426	12.9	19.3
11 17	0 26.53	+22 53.5	1.618	2.438	16.0	19.5

474145 1998 RD_{10} 10 8.8 317°.32 1°.2/ 9.6 18

9 8	1 20.11	+ 9 52.2	1.204	2.100	16.7	21.0
9 18	1 15.57	+ 9 49.2	1.120	2.071	12.3	20.7
9 28	1 8.15	+ 9 29.3	1.056	2.042	7.0	20.3
10 8	0 58.73	+ 8 55.6	1.015	2.014	1.6	19.9
10 18	0 48.68	+ 8 14.0	0.998	1.986	5.4	20.0
10 28	0 39.69	+ 7 33.6	1.005	1.959	11.4	20.3
11 7	0 33.19	+ 7 3.3	1.033	1.934	16.9	20.5
11 17	0 30.12	+ 6 49.7	1.079	1.909	21.6	20.7

200032 2007 PU_{43} 10 8.8 349°.03 1°.5/11.7 18 R

9 8	1 11.80	+15 31.1	4.091	4.928	7.2	19.9
9 18	1 7.95	+15 16.7	4.011	4.926	5.4	19.8
9 28	1 3.35	+14 54.5	3.958	4.925	3.4	19.7
10 8	0 58.34	+14 25.9	3.934	4.924	1.7	19.6
10 18	0 53.29	+13 53.0	3.940	4.923	2.1	19.6
10 28	0 48.62	+13 18.2	3.975	4.922	3.9	19.7
11 7	0 44.67	+12 44.4	4.040	4.921	5.8	19.9
11 17	0 41.72	+12 13.8	4.130	4.920	7.6	20.0

123910 2001 DT_{88} 10 8.8 221°.24 0°.4/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.32	+ 9 13.2	2.776	3.639	9.4	20.3
9 18	1 12.79	+ 8 50.6	2.694	3.630	6.7	20.2
9 28	1 6.03	+ 8 20.0	2.639	3.621	3.7	19.9
10 8	0 58.55	+ 7 43.9	2.612	3.611	0.6	19.7
10 18	0 50.99	+ 7 5.8	2.617	3.601	2.9	19.9
10 28	0 44.00	+ 6 29.5	2.651	3.590	6.0	20.1
11 7	0 38.16	+ 5 58.8	2.712	3.580	8.8	20.2
11 17	0 33.89	+ 5 36.5	2.798	3.568	11.3	20.4

174576 2003 OA_{29} 10 8.8 321°.57 4°.0/11.1 18

9 8	1 22.50	+14 16.3	1.154	2.037	18.2	19.5
9 18	1 17.28	+14 44.4	1.082	2.021	13.8	19.2
9 28	1 9.04	+14 52.2	1.029	2.006	8.8	18.9
10 8	0 58.81	+14 40.3	0.999	1.992	4.4	18.6
10 18	0 48.10	+14 12.3	0.992	1.978	5.8	18.6
10 28	0 38.70	+13 36.4	1.009	1.966	11.0	18.9
11 7	0 32.06	+13 2.3	1.048	1.954	16.2	19.1
11 17	0 28.99	+12 38.2	1.105	1.943	20.6	19.4

244963 2003 YO_{170} 10 8.8 53°.84 2°.8/ 6.4 18

9 8	1 21.15	− 0 4.1	1.776	2.671	12.2	20.2
9 18	1 15.17	− 0 39.8	1.719	2.672	8.5	20.0
9 28	1 7.40	− 1 18.5	1.688	2.674	4.7	19.8
10 8	0 58.66	− 1 54.6	1.683	2.676	2.9	19.7
10 18	0 49.94	− 2 22.7	1.706	2.678	5.8	19.9
10 28	0 42.24	− 2 37.9	1.756	2.680	9.6	20.1
11 7	0 36.36	− 2 37.6	1.830	2.682	13.1	20.3
11 17	0 32.78	− 2 21.2	1.925	2.684	16.0	20.5

165414 2000 YW_{30} 10 8.8 255°.77 6°.0/14.2 18

9 8	1 22.83	+23 46.2	1.922	2.734	14.9	20.5
9 18	1 16.67	+24 11.3	1.836	2.723	12.1	20.3
9 28	1 8.38	+24 15.4	1.772	2.712	9.1	20.1
10 8	0 58.75	+23 57.3	1.733	2.700	6.6	20.0
10 18	0 48.83	+23 18.9	1.720	2.688	6.3	19.9
10 28	0 39.78	+22 25.4	1.735	2.676	8.5	20.0
11 7	0 32.61	+21 24.9	1.776	2.664	11.6	20.2
11 17	0 27.96	+20 25.4	1.839	2.652	14.6	20.4

5486 1991 UT_{2} 10 8.8 79°.28 5°.1/ 4.8 18

9 8	1 22.88	− 5 53.6	1.663	2.562	12.7	16.5
9 18	1 16.39	− 6 37.7	1.617	2.569	9.1	16.3
9 28	1 8.03	− 7 18.9	1.596	2.575	6.0	16.1
10 8	0 58.71	− 7 50.4	1.601	2.582	5.3	16.1
10 18	0 49.51	− 8 6.6	1.632	2.589	7.8	16.3
10 28	0 41.49	− 8 4.0	1.690	2.596	11.2	16.5
11 7	0 35.46	− 7 41.9	1.771	2.602	14.4	16.7
11 17	0 31.87	− 7 1.7	1.871	2.609	17.1	16.9

257516 1997 CO_{25} 10 8.8 246°.74 0°.8/ 8.0 18

9 8	1 18.86	+ 5 31.1	2.166	3.048	10.9	21.8
9 18	1 13.41	+ 4 59.5	2.095	3.042	7.6	21.6
9 28	1 6.43	+ 4 20.4	2.050	3.037	4.0	21.3
10 8	0 58.60	+ 3 38.1	2.032	3.031	0.8	21.1
10 18	0 50.69	+ 2 57.2	2.044	3.025	4.0	21.3
10 28	0 43.55	+ 2 22.7	2.084	3.019	7.7	21.5
11 7	0 37.87	+ 1 58.5	2.149	3.013	11.0	21.7
11 17	0 34.12	+ 1 47.1	2.237	3.007	13.8	21.9

295331 2008 HL_{3} 10 8.8 120°.67 0°.7/ 8.1 18

9 8	1 19.70	+ 5 24.5	2.500	3.375	9.9	21.0
9 18	1 13.70	+ 4 56.8	2.446	3.390	6.9	20.8
9 28	1 6.46	+ 4 23.2	2.418	3.404	3.6	20.6
10 8	0 58.59	+ 3 47.5	2.419	3.418	0.7	20.4
10 18	0 50.79	+ 3 13.4	2.451	3.432	3.5	20.7
10 28	0 43.75	+ 2 44.8	2.512	3.445	6.7	20.9
11 7	0 38.05	+ 2 24.8	2.600	3.458	9.5	21.1
11 17	0 34.04	+ 2 15.3	2.711	3.470	11.9	21.3

312482 2008 TE_{127} 10 8.8 338°.69 1°.5/11.8 18

9 8	1 11.50	+15 57.0	4.279	5.113	6.9	20.6
9 18	1 7.72	+15 40.5	4.199	5.112	5.2	20.5
9 28	1 3.22	+15 16.3	4.146	5.111	3.3	20.4
10 8	0 58.34	+14 45.9	4.121	5.110	1.7	20.2
10 18	0 53.43	+14 11.2	4.126	5.109	2.0	20.3
10 28	0 48.87	+13 34.6	4.162	5.109	3.8	20.4
11 7	0 45.01	+12 58.7	4.227	5.108	5.6	20.5
11 17	0 42.09	+12 26.1	4.317	5.107	7.3	20.6

382067 2011 EU_{53} 10 8.8 169°.69 1°.9/ 7.1 18

9 8	1 23.12	+ 2 25.4	1.938	2.823	11.8	21.6
9 18	1 16.45	+ 1 47.8	1.878	2.827	8.2	21.4
9 28	1 8.05	+ 1 4.9	1.843	2.830	4.4	21.2
10 8	0 58.73	+ 0 21.9	1.836	2.832	2.0	21.0
10 18	0 49.41	− 0 15.8	1.859	2.835	5.0	21.2
10 28	0 41.08	− 0 43.3	1.909	2.836	8.8	21.5
11 7	0 34.50	− 0 57.1	1.985	2.837	12.3	21.7
11 17	0 30.15	− 0 55.9	2.082	2.837	15.1	21.9

454898 2015 TP_{97} 10 8.8 28.°00 1.°3/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 17.30	+12 7.2	1.711	2.587	13.6	20.5
9 18	1 12.53	+11 37.4	1.656	2.596	9.8	20.3
9 28	1 6.01	+10 52.8	1.625	2.606	5.6	20.1
10 8	0 58.58	+ 9 57.8	1.619	2.617	1.6	19.8
10 18	0 51.18	+ 8 58.5	1.641	2.628	3.8	20.0
10 28	0 44.81	+ 8 2.0	1.689	2.639	7.9	20.3
11 7	0 40.22	+ 7 14.5	1.763	2.651	11.7	20.6
11 17	0 37.86	+ 6 40.5	1.858	2.664	14.8	20.8

452733 2006 BF_{21} 10 8.8 359.°42 5.°1/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.22	− 5 41.2	1.861	2.766	11.2	20.5
9 18	1 11.67	− 6 59.0	1.811	2.765	8.1	20.3
9 28	1 5.53	− 8 15.5	1.786	2.764	5.6	20.1
10 8	0 58.54	− 9 23.2	1.787	2.764	5.5	20.1
10 18	0 51.56	−10 15.2	1.816	2.764	7.8	20.3
10 28	0 45.48	−10 46.9	1.870	2.764	10.9	20.4
11 7	0 40.99	−10 56.4	1.946	2.765	13.8	20.6
11 17	0 38.54	−10 44.2	2.042	2.767	16.3	20.8

373625 2002 JV_{82} 10 8.8 104.°62 1.°3/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.14	+ 5 14.9	1.496	2.384	14.5	21.2
9 18	1 18.07	+ 4 36.1	1.453	2.402	10.1	21.0
9 28	1 8.94	+ 3 48.2	1.432	2.420	5.2	20.7
10 8	0 58.81	+ 2 57.6	1.439	2.437	1.3	20.5
10 18	0 48.88	+ 2 11.2	1.473	2.454	5.2	20.8
10 28	0 40.34	+ 1 35.6	1.533	2.470	9.8	21.1
11 7	0 34.04	+ 1 15.1	1.618	2.486	13.7	21.4
11 17	0 30.43	+ 1 11.4	1.723	2.501	16.9	21.7

509306 2006 VK_{155} 10 8.9 332.°95 2.°6/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.58	+10 35.4	1.044	1.945	18.2	20.5
9 18	1 16.13	+11 5.2	0.973	1.924	13.5	20.1
9 28	1 8.53	+11 18.8	0.920	1.905	8.1	19.8
10 8	0 58.81	+11 17.6	0.890	1.887	2.9	19.4
10 18	0 48.53	+11 5.7	0.882	1.870	5.7	19.5
10 28	0 39.58	+10 50.5	0.896	1.854	11.7	19.8
11 7	0 33.48	+10 40.6	0.931	1.841	17.2	20.1
11 17	0 31.13	+10 42.4	0.982	1.829	22.0	20.3

275377 2011 AN_{64} 10 8.9 275.°11 1.°3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.56	+ 4 6.9	2.297	3.182	10.2	21.6
9 18	1 12.48	+ 3 27.9	2.219	3.168	7.1	21.4
9 28	1 5.95	+ 2 42.4	2.166	3.154	3.7	21.1
10 8	0 58.58	+ 1 54.6	2.142	3.140	1.3	20.9
10 18	0 51.09	+ 1 9.5	2.147	3.125	4.2	21.1
10 28	0 44.27	+ 0 31.7	2.180	3.111	7.7	21.3
11 7	0 38.79	+ 0 5.2	2.239	3.097	10.8	21.5
11 17	0 35.12	− 0 7.8	2.321	3.082	13.5	21.7

132246 2002 EQ_{86} 10 8.9 106.°62 1.°1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.67	+ 4 2.2	1.837	2.719	12.5	20.1
9 18	1 17.51	+ 3 47.8	1.786	2.733	8.7	19.9
9 28	1 8.59	+ 3 27.3	1.761	2.748	4.6	19.7
10 8	0 58.79	+ 3 5.0	1.763	2.762	1.1	19.5
10 18	0 49.10	+ 2 45.3	1.795	2.775	4.5	19.8
10 28	0 40.53	+ 2 32.6	1.854	2.789	8.5	20.1
11 7	0 33.86	+ 2 30.3	1.939	2.802	12.0	20.3
11 17	0 29.53	+ 2 39.8	2.046	2.815	14.9	20.5

74216 1998 RX_{70} 10 8.9 327.°94 4.°5/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.31	− 0 8.2	1.294	2.211	14.2	18.3
9 18	1 11.81	− 1 25.5	1.220	2.183	10.1	18.0
9 28	1 5.95	− 2 51.9	1.168	2.157	5.9	17.7
10 8	0 58.60	− 4 17.5	1.141	2.131	4.8	17.5
10 18	0 50.91	− 5 31.0	1.137	2.107	8.5	17.7
10 28	0 44.24	− 6 22.6	1.157	2.083	13.3	17.9
11 7	0 39.72	− 6 46.5	1.197	2.061	17.8	18.1
11 17	0 38.07	− 6 41.2	1.254	2.040	21.6	18.3

9768 Stephenmaran 10 8.9 199.°59 6.°3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 28.89	−12 17.8	2.059	2.936	11.5	18.0
9 18	1 20.44	−12 49.9	1.999	2.933	8.8	17.8
9 28	1 10.17	−13 13.8	1.966	2.928	6.7	17.7
10 8	0 58.92	−13 23.8	1.962	2.923	6.5	17.7
10 18	0 47.72	−13 15.7	1.986	2.918	8.4	17.8
10 28	0 37.58	−12 47.6	2.038	2.911	11.2	18.0
11 7	0 29.33	−12 0.5	2.114	2.904	13.9	18.1
11 17	0 23.45	−10 56.9	2.211	2.896	16.2	18.3

286952 2002 PE_{172} 10 8.9 17.°42 2.°7/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.73	+ 1 57.1	1.482	2.386	13.6	20.4
9 18	1 13.72	+ 1 5.0	1.432	2.389	9.4	20.2
9 28	1 6.72	+ 0 6.5	1.404	2.393	5.1	20.0
10 8	0 58.66	− 0 50.8	1.402	2.397	2.8	19.8
10 18	0 50.63	− 1 39.6	1.427	2.402	6.3	20.1
10 28	0 43.77	− 2 13.3	1.476	2.408	10.5	20.3
11 7	0 38.92	− 2 28.0	1.549	2.413	14.4	20.6
11 17	0 36.56	− 2 22.9	1.641	2.420	17.6	20.8

17683 Kanagawa 10 8.9 188.°65 2.°6/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.28	+15 52.5	2.623	3.456	10.8	18.2
9 18	1 15.67	+16 4.6	2.543	3.456	8.1	18.0
9 28	1 7.62	+16 5.1	2.490	3.454	5.3	17.8
10 8	0 58.74	+15 54.9	2.465	3.453	2.9	17.6
10 18	0 49.75	+15 36.2	2.470	3.451	3.4	17.7
10 28	0 41.44	+15 12.5	2.505	3.449	6.1	17.9
11 7	0 34.46	+14 48.2	2.568	3.446	8.9	18.0
11 17	0 29.29	+14 27.1	2.656	3.443	11.4	18.2

520335 2014 GD_{61} 10 8.9 140.°31 0.°7/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.21	+11 23.8	2.010	2.878	12.2	21.7
9 18	1 13.70	+10 39.9	1.947	2.885	8.8	21.5
9 28	1 6.60	+ 9 43.0	1.909	2.890	4.9	21.3
10 8	0 58.66	+ 8 37.4	1.898	2.896	1.0	21.1
10 18	0 50.72	+ 7 29.0	1.916	2.901	3.5	21.3
10 28	0 43.68	+ 6 24.3	1.962	2.906	7.4	21.5
11 7	0 38.25	+ 5 29.1	2.035	2.911	10.9	21.7
11 17	0 34.87	+ 4 47.6	2.131	2.916	13.9	22.0

150424 2000 GA_{18} 10 8.9 188.°33 0.°5/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.39	+ 6 24.5	1.738	2.619	13.1	20.6
9 18	1 16.87	+ 5 58.7	1.673	2.619	9.3	20.3
9 28	1 8.39	+ 5 23.3	1.632	2.618	4.9	20.1
10 8	0 58.80	+ 4 43.0	1.618	2.617	0.6	19.7
10 18	0 49.16	+ 4 3.3	1.633	2.616	4.5	20.0
10 28	0 40.57	+ 3 30.2	1.675	2.614	8.9	20.3
11 7	0 33.91	+ 3 8.6	1.742	2.612	12.8	20.5
11 17	0 29.71	+ 3 1.2	1.831	2.609	16.0	20.8

25512 Anncomins 10 8.9 291.°69 3.°4/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.10	+ 0 33.4	1.398	2.301	14.3	18.2
9 18	1 16.45	− 0 12.0	1.328	2.285	10.1	18.0
9 28	1 8.38	− 1 3.8	1.281	2.269	5.6	17.7
10 8	0 58.82	− 1 54.2	1.259	2.253	3.5	17.5
10 18	0 49.01	− 2 35.4	1.263	2.237	7.1	17.7
10 28	0 40.34	− 3 0.0	1.292	2.221	11.9	17.9
11 7	0 33.92	− 3 3.8	1.343	2.206	16.3	18.1
11 17	0 30.40	− 2 45.9	1.412	2.191	20.0	18.4

57639 2001 TO_{190} 10 8.9 110.°01 0.°3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.58	+ 8 35.2	1.674	2.552	13.7	19.4
9 18	1 16.95	+ 8 15.2	1.620	2.563	9.8	19.2
9 28	1 8.38	+ 7 43.8	1.590	2.575	5.3	19.0
10 8	0 58.80	+ 7 5.3	1.587	2.585	0.6	18.7
10 18	0 49.29	+ 6 25.3	1.611	2.596	4.2	19.0
10 28	0 40.96	+ 5 49.8	1.663	2.606	8.6	19.3
11 7	0 34.64	+ 5 24.2	1.740	2.616	12.5	19.5
11 17	0 30.81	+ 5 11.6	1.839	2.626	15.6	19.8

453682 2010 VF_{150} 10 8.9 282.°14 5.°1/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.58	− 8 13.6	2.127	3.021	10.5	21.6
9 18	1 13.96	− 9 3.5	2.061	3.008	7.8	21.4
9 28	1 6.77	− 9 50.1	2.022	2.995	5.6	21.3
10 8	0 58.68	−10 27.5	2.009	2.981	5.4	21.2
10 18	0 50.52	−10 50.6	2.025	2.968	7.5	21.3
10 28	0 43.14	−10 55.7	2.066	2.955	10.3	21.5
11 7	0 37.27	−10 41.8	2.132	2.941	13.1	21.7
11 17	0 33.40	−10 9.6	2.217	2.928	15.5	21.8

467725 2009 FY_{73} 10 8.9 68.°30 3.°1/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.18	+ 1 51.9	1.224	2.128	15.8	20.9
9 18	1 17.62	+ 0 57.8	1.190	2.148	10.9	20.7
9 28	1 8.76	− 0 2.0	1.179	2.168	5.8	20.5
10 8	0 58.83	− 0 58.8	1.193	2.188	3.2	20.4
10 18	0 49.22	− 1 44.4	1.232	2.208	6.9	20.7
10 28	0 41.25	− 2 12.0	1.296	2.229	11.6	21.0
11 7	0 35.81	− 2 18.8	1.382	2.249	15.7	21.3
11 17	0 33.29	− 2 5.0	1.487	2.269	19.0	21.6

324124 2005 YC_{32} 10 8.9 341.°11 1.°9/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.25	+ 3 15.6	1.691	2.590	12.5	20.1
9 18	1 12.63	+ 2 37.6	1.625	2.580	8.7	19.8
9 28	1 6.16	+ 1 52.3	1.583	2.572	4.6	19.5
10 8	0 58.64	+ 1 5.5	1.567	2.564	1.9	19.3
10 18	0 51.02	+ 0 23.4	1.578	2.556	5.3	19.6
10 28	0 44.33	− 0 7.9	1.615	2.550	9.5	19.8
11 7	0 39.40	− 0 24.1	1.675	2.544	13.3	20.0
11 17	0 36.76	− 0 23.2	1.756	2.539	16.5	20.2

153751 2001 UQ_{168} 10 8.9 20.°85 6.°6/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.30	+18 30.2	1.080	1.952	20.0	17.6
9 18	1 17.67	+19 30.8	1.034	1.962	15.6	17.4
9 28	1 9.11	+20 5.5	1.007	1.973	10.9	17.2
10 8	0 58.89	+20 13.1	1.002	1.985	7.2	17.0
10 18	0 48.66	+19 56.8	1.019	1.999	7.3	17.1
10 28	0 40.17	+19 24.8	1.060	2.014	10.8	17.3
11 7	0 34.62	+18 48.1	1.121	2.030	15.0	17.6
11 17	0 32.58	+18 15.8	1.202	2.048	18.8	17.9

207260 2005 ES_{251} 10 8.9 272°.51 5°.9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 27.96	−10 14.2	1.813	2.699	12.4	20.0
9 18	1 20.02	−10 28.7	1.750	2.692	9.3	19.8
9 28	1 10.05	−10 35.7	1.713	2.684	6.6	19.6
10 8	0 58.96	−10 29.4	1.703	2.677	6.0	19.6
10 18	0 47.87	−10 6.1	1.722	2.670	8.2	19.7
10 28	0 37.92	− 9 24.0	1.767	2.662	11.4	19.9
11 7	0 30.00	− 8 24.1	1.837	2.655	14.6	20.1
11 17	0 24.64	− 7 8.9	1.927	2.647	17.3	20.2

454653 2014 QE_{298} 10 8.9 357°.25 4°.8/13.3 17

9 8	1 19.40	+20 25.4	1.890	2.725	14.3	20.5
9 18	1 14.13	+20 44.9	1.818	2.723	11.2	20.3
9 28	1 6.98	+20 45.6	1.767	2.722	8.0	20.1
10 8	0 58.72	+20 27.8	1.742	2.721	5.3	19.9
10 18	0 50.31	+19 54.3	1.744	2.720	5.2	19.9
10 28	0 42.82	+19 10.5	1.772	2.720	7.8	20.1
11 7	0 37.09	+18 23.4	1.826	2.721	11.0	20.3
11 17	0 33.68	+17 39.7	1.903	2.722	14.0	20.5

78035 2002 JU_{89} 10 8.9 29°.15 0°.3/ 8.6 18 R

9 8	1 20.51	+ 7 55.7	1.055	1.961	17.6	19.0
9 18	1 15.49	+ 7 22.1	1.013	1.970	12.4	18.7
9 28	1 7.83	+ 6 32.8	0.991	1.980	6.6	18.5
10 8	0 58.78	+ 5 35.3	0.992	1.991	0.5	18.1
10 18	0 49.87	+ 4 39.0	1.017	2.003	5.7	18.5
10 28	0 42.61	+ 3 53.6	1.065	2.015	11.3	18.9
11 7	0 38.05	+ 3 26.0	1.134	2.029	16.1	19.2
11 17	0 36.65	+ 3 19.0	1.221	2.043	20.0	19.5

398700 2012 XU_{27} 10 8.9 296°.11 8°.1/ 2.3 18

9 8	1 23.20	−13 32.1	1.641	2.537	13.0	20.4
9 18	1 16.92	−14 29.1	1.581	2.521	10.2	20.2
9 28	1 8.50	−15 16.8	1.545	2.505	8.3	20.0
10 8	0 58.86	−15 46.5	1.534	2.490	8.5	20.0
10 18	0 49.11	−15 52.1	1.548	2.474	10.7	20.1
10 28	0 40.47	−15 30.3	1.586	2.459	13.8	20.2
11 7	0 33.88	−14 42.0	1.645	2.444	16.8	20.4
11 17	0 29.91	−13 30.7	1.722	2.429	19.5	20.6

286637 2002 EH_{44} 10 8.9 83°.90 2°.0/ 7.1 17

9 8	1 21.15	+ 5 49.5	1.316	2.215	15.3	20.3
9 18	1 15.51	+ 4 25.8	1.274	2.229	10.6	20.0
9 28	1 7.69	+ 2 50.2	1.254	2.244	5.5	19.8
10 8	0 58.78	+ 1 12.4	1.260	2.258	2.1	19.6
10 18	0 50.05	− 0 16.9	1.293	2.271	6.2	19.9
10 28	0 42.75	− 1 28.2	1.351	2.285	11.0	20.2
11 7	0 37.73	− 2 16.1	1.431	2.299	15.2	20.5
11 17	0 35.45	− 2 39.0	1.531	2.312	18.5	20.8

309680 2008 EU_{108} 10 8.9 290°.63 3°.5/ 5.1 18

9 8	1 17.18	− 0 26.6	1.865	2.765	11.4	20.8
9 18	1 12.45	− 1 44.2	1.799	2.755	8.0	20.5
9 28	1 6.03	− 3 6.7	1.759	2.745	4.7	20.3
10 8	0 58.66	− 4 26.6	1.746	2.735	3.8	20.2
10 18	0 51.20	− 5 36.4	1.761	2.725	6.6	20.4
10 28	0 44.57	− 6 29.6	1.802	2.715	10.2	20.6
11 7	0 39.56	− 7 2.4	1.867	2.705	13.5	20.8
11 17	0 36.66	− 7 13.6	1.952	2.695	16.3	21.0

407152 2009 TF_{41} 10 8.9 166°.36 3°.0/12.0 17

9 8	1 20.12	+17 0.4	2.399	3.236	11.6	20.8
9 18	1 14.27	+17 5.6	2.325	3.237	8.8	20.6
9 28	1 6.92	+16 57.3	2.275	3.238	5.8	20.4
10 8	0 58.74	+16 36.8	2.252	3.239	3.3	20.2
10 18	0 50.47	+16 6.7	2.259	3.240	3.7	20.3
10 28	0 42.94	+15 31.4	2.294	3.241	6.4	20.4
11 7	0 36.82	+14 55.8	2.357	3.241	9.3	20.6
11 17	0 32.57	+14 24.5	2.444	3.242	11.9	20.8

40688 1999 RL_{223} 10 8.9 342°.37 4°.8/ 3.9 18

9 8	1 16.93	− 4 39.1	1.829	2.734	11.4	18.1
9 18	1 12.24	− 5 52.9	1.775	2.729	8.2	17.9
9 28	1 5.90	− 7 6.6	1.745	2.725	5.4	17.7
10 8	0 58.65	− 8 12.6	1.742	2.722	5.1	17.7
10 18	0 51.39	− 9 4.2	1.766	2.719	7.6	17.9
10 28	0 45.03	− 9 36.1	1.815	2.716	10.8	18.0
11 7	0 40.30	− 9 46.2	1.888	2.713	13.9	18.2
11 17	0 37.67	− 9 34.9	1.979	2.711	16.5	18.4

275150 2009 VA_{89} 10 8.9 312°.00 1°.0/ 9.8 17

9 8	1 18.33	+10 18.5	1.973	2.847	12.1	21.1
9 18	1 13.37	+10 5.7	1.882	2.822	8.8	20.8
9 28	1 6.62	+ 9 41.1	1.816	2.798	5.0	20.6
10 8	0 58.73	+ 9 7.4	1.776	2.774	1.2	20.2
10 18	0 50.57	+ 8 29.0	1.764	2.751	3.7	20.4
10 28	0 43.10	+ 7 51.2	1.780	2.727	7.8	20.6
11 7	0 37.20	+ 7 19.7	1.822	2.704	11.7	20.8
11 17	0 33.45	+ 6 58.8	1.885	2.682	15.0	21.0

137145 1999 CA_{135} 10 8.9 267°.54 0°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.88	+10 20.8	1.931	2.803	12.4	20.3
9 18	1 14.33	+10 0.2	1.860	2.799	9.0	20.1
9 28	1 7.04	+ 9 27.6	1.813	2.796	5.0	19.8
10 8	0 58.76	+ 8 46.5	1.794	2.792	1.1	19.6
10 18	0 50.38	+ 8 1.6	1.802	2.788	3.7	19.8
10 28	0 42.89	+ 7 18.9	1.839	2.784	7.7	20.0
11 7	0 37.05	+ 6 43.7	1.901	2.781	11.4	20.2
11 17	0 33.40	+ 6 20.1	1.986	2.777	14.5	20.4

353555 2011 SV_{211} 10 8.9 342°.66 0°.7/ 9.5 18

9 8	1 18.30	+10 25.5	1.626	2.509	13.8	20.7
9 18	1 13.45	+ 9 53.2	1.559	2.504	9.9	20.5
9 28	1 6.66	+ 9 6.2	1.516	2.500	5.5	20.2
10 8	0 58.74	+ 8 9.3	1.498	2.496	1.0	19.9
10 18	0 50.73	+ 7 8.8	1.507	2.493	4.2	20.1
10 28	0 43.73	+ 6 12.5	1.542	2.490	8.7	20.4
11 7	0 38.61	+ 5 26.9	1.602	2.488	12.8	20.7
11 17	0 35.91	+ 4 56.6	1.683	2.486	16.2	20.9

283185 2010 AR_{30} 10 8.9 132°.25 3°.2/ 5.7 18

9 8	1 21.18	− 0 42.6	1.981	2.872	11.3	21.2
9 18	1 15.01	− 1 41.8	1.932	2.884	7.9	21.0
9 28	1 7.29	− 2 43.3	1.910	2.895	4.5	20.8
10 8	0 58.79	− 3 41.0	1.916	2.906	3.3	20.8
10 18	0 50.37	− 4 29.0	1.950	2.916	5.9	20.9
10 28	0 42.93	− 5 2.5	2.012	2.926	9.2	21.2
11 7	0 37.15	− 5 19.0	2.099	2.935	12.3	21.4
11 17	0 33.45	− 5 18.1	2.207	2.944	14.9	21.6

157387 2004 TC_{184} 10 8.9 279°.26 1°.0/10.1 18

9 8	1 16.30	+12 56.5	2.222	3.085	11.4	20.3
9 18	1 11.71	+12 5.8	2.137	3.071	8.3	20.1
9 28	1 5.62	+11 0.6	2.077	3.056	4.8	19.8
10 8	0 58.66	+ 9 44.7	2.044	3.042	1.3	19.6
10 18	0 51.57	+ 8 23.6	2.041	3.027	3.3	19.7
10 28	0 45.17	+ 7 4.1	2.067	3.012	7.0	19.9
11 7	0 40.14	+ 5 52.6	2.119	2.998	10.4	20.1
11 17	0 36.97	+ 4 53.9	2.195	2.983	13.4	20.3

227147 2005 PW_{5} 10 8.9 25°.88 3°.5/11.3 18

9 8	1 19.93	+15 9.9	1.072	1.960	18.9	20.0
9 18	1 15.15	+15 8.0	1.028	1.970	14.1	19.7
9 28	1 7.70	+14 41.7	1.004	1.982	8.8	19.5
10 8	0 58.83	+13 55.0	1.001	1.995	4.1	19.3
10 18	0 50.06	+12 55.7	1.022	2.009	5.3	19.4
10 28	0 42.93	+11 54.5	1.066	2.025	10.2	19.7
11 7	0 38.51	+11 1.8	1.133	2.041	15.0	20.1
11 17	0 37.28	+10 24.4	1.218	2.058	18.9	20.4

410123 2007 FW_{48} 10 8.9 145°.69 0°.3/ 8.5 18

9 8	1 20.57	+ 5 53.6	2.339	3.214	10.5	21.2
9 18	1 14.51	+ 5 42.7	2.274	3.217	7.4	21.1
9 28	1 7.03	+ 5 25.5	2.234	3.219	3.9	20.8
10 8	0 58.78	+ 5 5.0	2.223	3.222	0.4	20.6
10 18	0 50.50	+ 4 44.7	2.241	3.224	3.5	20.8
10 28	0 42.99	+ 4 28.5	2.289	3.226	6.9	21.1
11 7	0 36.88	+ 4 19.4	2.363	3.228	10.0	21.3
11 17	0 32.63	+ 4 19.7	2.461	3.230	12.6	21.5

20170 1996 VM_{30} 10 8.9 359°.96 6°.3/ 6.2 18

9 8	1 23.30	− 6 0.3	0.896	1.821	18.0	15.9
9 18	1 17.91	− 6 5.1	0.852	1.816	13.1	15.6
9 28	1 9.34	− 6 3.4	0.827	1.813	8.2	15.4
10 8	0 58.98	− 5 46.8	0.823	1.812	6.4	15.3
10 18	0 48.65	− 5 9.6	0.840	1.813	9.9	15.5
10 28	0 40.22	− 4 9.6	0.879	1.816	15.0	15.7
11 7	0 34.96	− 2 48.7	0.936	1.821	19.7	16.0
11 17	0 33.41	− 1 11.0	1.009	1.827	23.6	16.3

177964 2006 PE_{19} 10 8.9 32°.90 0°.9/ 8.3 18

9 8	1 19.54	+ 7 38.3	0.924	1.839	18.7	19.7
9 18	1 14.86	+ 6 49.0	0.895	1.856	13.0	19.5
9 28	1 7.49	+ 5 43.6	0.885	1.875	6.8	19.2
10 8	0 58.83	+ 4 32.0	0.897	1.896	0.9	18.9
10 18	0 50.49	+ 3 25.7	0.931	1.917	6.2	19.3
10 28	0 44.01	+ 2 35.0	0.988	1.939	11.9	19.7
11 7	0 40.34	+ 2 6.2	1.065	1.963	16.7	20.1
11 17	0 39.85	+ 2 0.9	1.160	1.987	20.6	20.4

40122 1998 QZ_{30} 10 8.9 44°.41 0°.1/ 8.9 18

9 8	1 18.32	+ 8 31.0	1.880	2.761	12.3	19.0
9 18	1 13.13	+ 7 59.7	1.828	2.773	8.7	18.8
9 28	1 6.35	+ 7 18.1	1.799	2.785	4.7	18.6
10 8	0 58.74	+ 6 30.6	1.798	2.797	0.4	18.3
10 18	0 51.19	+ 5 42.7	1.825	2.810	3.8	18.6
10 28	0 44.60	+ 5 0.1	1.879	2.822	7.8	18.9
11 7	0 39.66	+ 4 27.7	1.958	2.835	11.2	19.1
11 17	0 36.80	+ 4 8.4	2.060	2.849	14.1	19.3

143132 2002 XN_{35} 10 8.9 27°.54 4°.0/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.83	+16 7.1	1.034	1.921	19.5	18.1
9 18	1 15.12	+16 7.0	0.994	1.935	14.6	17.8
9 28	1 7.70	+15 40.6	0.973	1.950	9.3	17.6
10 8	0 58.87	+14 52.0	0.973	1.966	4.6	17.4
10 18	0 50.19	+13 49.4	0.996	1.983	5.5	17.5
10 28	0 43.23	+12 44.0	1.042	2.001	10.3	17.9
11 7	0 39.02	+11 46.9	1.110	2.021	15.0	18.2
11 17	0 38.04	+11 5.1	1.197	2.041	19.0	18.5

517855 2015 RK_{221} 10 8.9 41°.01 1°.6/ 7.3 18

9 8	1 18.65	+ 3 39.2	1.977	2.867	11.4	21.8
9 18	1 13.36	+ 2 57.4	1.917	2.868	7.9	21.6
9 28	1 6.50	+ 2 9.3	1.883	2.870	4.2	21.3
10 8	0 58.78	+ 1 19.9	1.875	2.872	1.6	21.2
10 18	0 51.05	+ 0 34.8	1.896	2.874	4.7	21.4
10 28	0 44.19	− 0 0.9	1.945	2.876	8.4	21.6
11 7	0 38.91	− 0 23.2	2.018	2.878	11.7	21.8
11 17	0 35.66	− 0 30.5	2.113	2.880	14.5	22.0

161509 2004 RB_{99} 10 8.9 58°.71 2°.1/10.2 17

9 8	1 24.92	+12 24.2	1.083	1.972	18.7	20.4
9 18	1 18.55	+12 11.2	1.044	1.989	13.6	20.2
9 28	1 9.47	+11 37.3	1.025	2.007	7.8	19.9
10 8	0 59.03	+10 47.9	1.028	2.025	2.5	19.7
10 18	0 48.84	+ 9 51.3	1.056	2.044	5.1	19.9
10 28	0 40.47	+ 8 57.8	1.109	2.063	10.5	20.3
11 7	0 34.96	+ 8 16.1	1.183	2.082	15.3	20.6
11 17	0 32.75	+ 7 51.4	1.277	2.101	19.2	20.9

437219 2012 WP_{23} 10 8.9 13°.66 6°.2/ 5.0 18

9 8	1 20.93	− 6 2.2	1.153	2.070	15.5	18.6
9 18	1 15.64	− 6 41.3	1.114	2.074	11.2	18.4
9 28	1 7.89	− 7 15.9	1.097	2.080	7.4	18.2
10 8	0 58.91	− 7 37.3	1.103	2.087	6.4	18.2
10 18	0 50.08	− 7 38.9	1.132	2.096	9.4	18.4
10 28	0 42.80	− 7 17.1	1.185	2.106	13.5	18.7
11 7	0 38.04	− 6 32.3	1.257	2.117	17.4	18.9
11 17	0 36.26	− 5 27.4	1.347	2.129	20.6	19.2

78002 2002 JK_{50} 10 8.9 100°.95 2°.2/10.7 18

9 8	1 22.86	+14 21.8	1.440	2.310	16.0	19.6
9 18	1 16.76	+13 50.6	1.386	2.321	11.8	19.4
9 28	1 8.45	+12 59.4	1.354	2.332	7.0	19.1
10 8	0 58.96	+11 52.9	1.347	2.343	2.6	18.9
10 18	0 49.55	+10 38.6	1.367	2.354	4.4	19.0
10 28	0 41.47	+ 9 25.9	1.414	2.365	9.0	19.3
11 7	0 35.67	+ 8 23.4	1.485	2.375	13.3	19.6
11 17	0 32.64	+ 7 36.8	1.576	2.385	16.9	19.9

7158 IRTF 10 8.9 7°.95 1°.0/ 9.9 18

9 8	1 15.96	+12 42.4	1.831	2.704	13.0	16.9
9 18	1 11.63	+11 49.7	1.766	2.705	9.4	16.7
9 28	1 5.63	+10 41.1	1.724	2.706	5.3	16.5
10 8	0 58.73	+ 9 21.6	1.709	2.707	1.3	16.2
10 18	0 51.80	+ 7 57.9	1.723	2.709	3.7	16.4
10 28	0 45.77	+ 6 38.2	1.764	2.712	7.8	16.7
11 7	0 41.38	+ 5 29.5	1.830	2.714	11.5	16.9
11 17	0 39.08	+ 4 36.4	1.918	2.718	14.6	17.1

447726 2007 EX_{195} 10 8.9 259°.45 2°.7/ 6.2 17

9 8	1 21.32	− 1 49.2	2.434	3.319	9.7	21.6
9 18	1 15.13	− 2 14.5	2.353	3.301	6.9	21.4
9 28	1 7.45	− 2 41.0	2.299	3.283	4.0	21.2
10 8	0 58.89	− 3 4.7	2.274	3.264	2.7	21.0
10 18	0 50.19	− 3 21.7	2.278	3.245	5.0	21.2
10 28	0 42.15	− 3 28.5	2.311	3.226	8.1	21.3
11 7	0 35.44	− 3 23.1	2.370	3.206	11.1	21.5
11 17	0 30.56	− 3 4.4	2.452	3.186	13.6	21.6

297063 2010 JD_{34} 10 8.9 130°.44 5°.1/ 3.3 18

9 8	1 19.24	− 5 48.2	1.995	2.892	10.9	20.9
9 18	1 13.69	− 7 17.6	1.952	2.902	7.9	20.7
9 28	1 6.64	− 8 45.2	1.936	2.912	5.5	20.6
10 8	0 58.82	−10 3.3	1.947	2.921	5.4	20.6
10 18	0 51.07	−11 5.3	1.986	2.929	7.6	20.8
10 28	0 44.26	−11 46.7	2.052	2.938	10.5	21.0
11 7	0 39.04	−12 5.8	2.141	2.946	13.2	21.2
11 17	0 35.82	−12 3.5	2.250	2.953	15.5	21.4

108896 2001 PT_{3} 10 8.9 60°.40 3°.4/ 5.5 18

9 8	1 18.73	− 0 34.2	1.795	2.694	11.9	19.4
9 18	1 13.51	− 1 40.0	1.742	2.697	8.3	19.2
9 28	1 6.61	− 2 49.1	1.715	2.701	4.8	19.0
10 8	0 58.82	− 3 54.4	1.715	2.705	3.6	19.0
10 18	0 51.06	− 4 49.1	1.742	2.708	6.4	19.2
10 28	0 44.27	− 5 27.6	1.796	2.712	10.0	19.4
11 7	0 39.19	− 5 46.9	1.873	2.716	13.3	19.6
11 17	0 36.27	− 5 46.5	1.971	2.720	16.0	19.8

186498 2002 TE_{303} 10 8.9 28°.77 3°.4/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.05	+ 1 18.3	1.114	2.028	16.2	19.4
9 18	1 15.77	+ 0 30.7	1.074	2.036	11.3	19.2
9 28	1 7.99	− 0 23.0	1.056	2.046	6.1	19.0
10 8	0 58.93	− 1 13.8	1.061	2.056	3.5	18.8
10 18	0 50.04	− 1 52.7	1.090	2.067	7.4	19.1
10 28	0 42.73	− 2 13.0	1.142	2.079	12.3	19.4
11 7	0 38.00	− 2 11.3	1.216	2.092	16.7	19.7
11 17	0 36.30	− 1 47.9	1.307	2.106	20.2	20.0

220244 2002 XV_{42} 10 8.9 306°.56 0°.9/ 8.3 18

9 8	1 21.07	+ 6 11.0	1.347	2.245	15.1	20.7
9 18	1 15.90	+ 5 42.1	1.274	2.227	10.8	20.4
9 28	1 8.23	+ 5 0.7	1.222	2.210	5.7	20.1
10 8	0 58.99	+ 4 12.4	1.194	2.193	0.9	19.7
10 18	0 49.43	+ 3 24.6	1.193	2.177	5.6	20.0
10 28	0 40.98	+ 2 45.6	1.216	2.161	10.9	20.3
11 7	0 34.81	+ 2 22.1	1.262	2.145	15.7	20.5
11 17	0 31.64	+ 2 17.7	1.326	2.130	19.7	20.7

177700 2005 GL_{51} 10 8.9 39°.88 0°.3/ 9.2 18

9 8	1 18.77	+11 17.8	1.119	2.017	17.5	19.3
9 18	1 14.17	+10 11.5	1.077	2.030	12.4	19.0
9 28	1 7.14	+ 8 44.6	1.057	2.044	6.7	18.8
10 8	0 58.88	+ 7 6.1	1.060	2.059	0.8	18.4
10 18	0 50.79	+ 5 28.0	1.087	2.074	5.2	18.8
10 28	0 44.25	+ 4 2.3	1.139	2.090	10.7	19.2
11 7	0 40.21	+ 2 57.7	1.213	2.107	15.4	19.5
11 17	0 39.10	+ 2 18.1	1.306	2.124	19.2	19.8

514711 2006 SY_{256} 10 8.9 61°.15 1°.0/ 9.9 18

9 8	1 19.30	+11 54.9	1.707	2.581	13.7	21.4
9 18	1 13.92	+11 12.7	1.659	2.599	9.8	21.2
9 28	1 6.82	+10 15.8	1.635	2.617	5.5	21.0
10 8	0 58.85	+ 9 9.4	1.637	2.635	1.3	20.8
10 18	0 51.01	+ 8 0.3	1.667	2.653	3.8	21.0
10 28	0 44.27	+ 6 55.9	1.724	2.671	8.0	21.3
11 7	0 39.36	+ 6 2.5	1.806	2.690	11.7	21.5
11 17	0 36.72	+ 5 24.1	1.911	2.708	14.8	21.8

443653 2015 FO_{32} 10 8.9 182°.96 2°.2/ 6.8 17

9 8	1 20.96	+ 3 22.4	1.764	2.655	12.5	21.3
9 18	1 15.16	+ 2 17.6	1.704	2.656	8.7	21.1
9 28	1 7.54	+ 1 4.9	1.668	2.656	4.6	20.8
10 8	0 58.92	− 0 8.8	1.660	2.656	2.3	20.7
10 18	0 50.28	− 1 16.0	1.680	2.655	5.6	20.9
10 28	0 42.65	− 2 9.9	1.727	2.654	9.6	21.1
11 7	0 36.83	− 2 46.0	1.799	2.652	13.2	21.4
11 17	0 33.30	− 3 2.4	1.891	2.650	16.3	21.6

276331 2002 TL_{255} 10 8.9 321°.60 4°.4/13.1 18

9 8	1 12.56	+23 34.6	1.134	1.997	19.9	19.4
9 18	1 10.56	+22 8.5	1.025	1.950	15.9	19.0
9 28	1 5.73	+19 48.2	0.935	1.904	11.0	18.5
10 8	0 58.82	+16 31.9	0.866	1.857	5.7	18.1
10 18	0 51.10	+12 28.5	0.823	1.812	5.7	17.9
10 28	0 44.31	+ 8 0.9	0.805	1.767	12.0	18.1
11 7	0 40.06	+ 3 39.7	0.812	1.724	18.8	18.3
11 17	0 39.40	− 0 8.9	0.838	1.683	25.0	18.5

44601 1999 RM_{12} 10 8.9 237°.89 3°.8/11.8 18

9 8	1 23.88	+16 58.8	1.548	2.403	15.9	18.8
9 18	1 17.68	+17 1.6	1.474	2.397	12.1	18.6
9 28	1 9.11	+16 43.9	1.422	2.390	8.0	18.3
10 8	0 59.08	+16 7.0	1.394	2.384	4.3	18.1
10 18	0 48.81	+15 15.6	1.393	2.377	5.0	18.1
10 28	0 39.67	+14 17.1	1.419	2.370	9.0	18.3
11 7	0 32.74	+13 20.7	1.469	2.362	13.2	18.6
11 17	0 28.68	+12 33.7	1.541	2.355	16.9	18.8

213454 2002 CK_{48} 10 8.9 324°.78 3°.1/ 6.9 18

9 8	1 21.65	+ 2 3.4	1.129	2.041	16.3	20.0
9 18	1 16.51	+ 1 20.9	1.070	2.031	11.5	19.7
9 28	1 8.61	+ 0 29.6	1.031	2.021	6.2	19.4
10 8	0 59.05	− 0 22.1	1.016	2.012	3.1	19.2
10 18	0 49.29	− 1 4.8	1.024	2.003	7.4	19.4
10 28	0 40.95	− 1 29.9	1.056	1.996	12.8	19.7
11 7	0 35.25	− 1 32.7	1.109	1.988	17.7	19.9
11 17	0 32.83	− 1 12.1	1.178	1.982	21.7	20.2

352240 2007 TZ_{136} 10 8.9 22°.33 9°.8/17.3 18

9 8	1 20.08	+28 55.2	1.262	2.082	20.8	19.5
9 18	1 15.35	+29 43.8	1.212	2.093	17.4	19.3
9 28	1 7.93	+29 57.9	1.179	2.106	13.9	19.2
10 8	0 58.99	+29 35.4	1.167	2.120	10.9	19.1
10 18	0 50.02	+28 39.4	1.176	2.135	9.8	19.0
10 28	0 42.57	+27 19.3	1.209	2.151	11.2	19.2
11 7	0 37.79	+25 48.1	1.263	2.168	14.0	19.4
11 17	0 36.22	+24 18.5	1.338	2.186	17.1	19.6

162383 2000 BN_2 10 8.9 303°.92 5°.0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 29.06	+17 12.4	1.748	2.587	15.1	19.2
9 18	1 21.31	+18 16.5	1.670	2.580	11.8	19.0
9 28	1 11.09	+19 5.6	1.614	2.573	8.2	18.8
10 8	0 59.28	+19 37.9	1.585	2.567	5.3	18.6
10 18	0 47.10	+19 53.3	1.585	2.560	5.7	18.6
10 28	0 35.92	+19 55.3	1.612	2.554	8.9	18.8
11 7	0 26.89	+19 49.9	1.665	2.548	12.5	19.0
11 17	0 20.73	+19 43.6	1.740	2.542	15.8	19.2

510056 2010 FN_{92} 10 8.9 181°.18 2°.5/ 6.5 18

9 8	1 23.37	− 0 42.0	2.306	3.188	10.3	21.8
9 18	1 16.52	− 1 11.3	2.243	3.189	7.2	21.6
9 28	1 8.17	− 1 42.5	2.206	3.190	4.0	21.4
10 8	0 59.02	− 2 11.2	2.198	3.190	2.5	21.3
10 18	0 49.86	− 2 33.4	2.220	3.189	5.0	21.5
10 28	0 41.52	− 2 45.5	2.271	3.188	8.2	21.7
11 7	0 34.67	− 2 45.2	2.349	3.186	11.1	21.9
11 17	0 29.77	− 2 31.9	2.448	3.184	13.6	22.0

374247 2005 GZ_{152} 10 8.9 103°.40 1°.7/10.8 18

9 8	1 20.85	+17 45.6	1.569	2.424	15.7	20.8
9 18	1 15.13	+15 58.3	1.514	2.442	11.5	20.5
9 28	1 7.50	+13 46.0	1.484	2.460	6.8	20.3
10 8	0 58.95	+11 17.2	1.481	2.477	2.2	20.1
10 18	0 50.59	+ 8 43.7	1.507	2.494	4.1	20.2
10 28	0 43.50	+ 6 18.8	1.562	2.510	8.6	20.6
11 7	0 38.48	+ 4 13.2	1.644	2.526	12.8	20.8
11 17	0 35.92	+ 2 33.0	1.749	2.541	16.1	21.1

49950 1999 XJ_{207} 10 8.9 93°.81 2°.6/ 7.1 18

9 8	1 25.13	+ 1 10.1	1.473	2.368	14.2	18.3
9 18	1 18.26	+ 0 39.9	1.425	2.378	9.9	18.1
9 28	1 9.24	+ 0 5.3	1.401	2.389	5.3	17.9
10 8	0 59.11	− 0 27.6	1.403	2.399	2.7	17.7
10 18	0 49.11	− 0 52.6	1.432	2.409	6.1	18.0
10 28	0 40.47	− 1 4.4	1.487	2.418	10.5	18.2
11 7	0 34.07	− 1 0.2	1.566	2.428	14.4	18.5
11 17	0 30.40	− 0 39.5	1.664	2.438	17.6	18.8

365775 2010 XH_{50} 10 8.9 224°.18 8°.6/28.9 18

9 8	1 20.76	−21 36.6	2.303	3.173	10.8	20.6
9 18	1 14.71	−22 40.0	2.264	3.171	9.3	20.5
9 28	1 7.20	−23 29.8	2.250	3.169	8.6	20.5
10 8	0 58.95	−23 59.9	2.261	3.167	9.0	20.5
10 18	0 50.76	−24 6.4	2.297	3.164	10.4	20.6
10 28	0 43.47	−23 48.2	2.358	3.162	12.3	20.7
11 7	0 37.71	−23 6.6	2.439	3.159	14.1	20.8
11 17	0 33.90	−22 4.8	2.537	3.157	15.6	21.0

43519 2001 DP_{16} 10 8.9 198°.53 0°.4/ 8.5 18

9 8	1 20.28	+ 5 55.9	2.276	3.152	10.6	19.2
9 18	1 14.42	+ 5 42.0	2.208	3.152	7.5	19.0
9 28	1 7.09	+ 5 21.6	2.166	3.151	4.0	18.7
10 8	0 58.95	+ 4 57.8	2.152	3.151	0.4	18.4
10 18	0 50.77	+ 4 34.3	2.167	3.150	3.6	18.7
10 28	0 43.34	+ 4 15.1	2.212	3.150	7.1	18.9
11 7	0 37.34	+ 4 3.6	2.282	3.149	10.3	19.1
11 17	0 33.23	+ 4 2.2	2.376	3.148	13.0	19.3

184225 2004 RB_{81} 10 8.9 324°.80 2°.0/11.2 17

9 8	1 16.84	+14 10.1	2.597	3.448	10.3	19.5
9 18	1 11.99	+14 10.3	2.512	3.436	7.7	19.3
9 28	1 5.81	+13 59.7	2.452	3.424	4.8	19.1
10 8	0 58.85	+13 39.9	2.420	3.412	2.3	18.9
10 18	0 51.74	+13 13.4	2.416	3.401	3.1	19.0
10 28	0 45.22	+12 44.0	2.442	3.389	5.9	19.2
11 7	0 39.88	+12 15.9	2.494	3.379	8.8	19.3
11 17	0 36.20	+11 52.9	2.571	3.368	11.4	19.5

295710 2008 UM_{15} 10 8.9 322°.77 0°.4/ 9.6 16

9 8	1 11.70	+ 9 44.5	4.069	4.930	6.7	21.0
9 18	1 7.97	+ 9 20.0	3.991	4.926	4.8	20.9
9 28	1 3.51	+ 8 49.9	3.941	4.922	2.6	20.7
10 8	0 58.66	+ 8 16.1	3.919	4.918	0.5	20.5
10 18	0 53.76	+ 7 40.9	3.929	4.914	1.9	20.7
10 28	0 49.22	+ 7 6.8	3.968	4.910	4.1	20.8
11 7	0 45.39	+ 6 36.4	4.036	4.906	6.1	21.0
11 17	0 42.53	+ 6 11.5	4.129	4.902	7.9	21.1

209812 2005 GN_{78} 10 8.9 222°.77 6°.5/ 1.8 18

9 8	1 20.04	−11 14.2	2.063	2.957	10.8	20.4
9 18	1 14.37	−12 32.5	2.010	2.951	8.3	20.2
9 28	1 7.10	−13 45.2	1.982	2.945	6.6	20.1
10 8	0 58.96	−14 44.9	1.982	2.938	6.9	20.1
10 18	0 50.80	−15 25.8	2.008	2.931	8.9	20.2
10 28	0 43.49	−15 44.1	2.060	2.923	11.5	20.4
11 7	0 37.76	−15 39.2	2.134	2.916	14.0	20.6
11 17	0 34.07	−15 12.6	2.227	2.908	16.2	20.7

306078 2010 GX_{123} 10 8.9 47°.78 9°.7/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 33.84	−19 31.7	1.512	2.385	15.2	19.9
9 18	1 24.05	−19 37.5	1.483	2.404	12.2	19.8
9 28	1 12.12	−19 23.7	1.478	2.423	10.1	19.7
10 8	0 59.37	−18 44.6	1.498	2.442	9.8	19.8
10 18	0 47.20	−17 38.7	1.545	2.462	11.5	19.9
10 28	0 36.88	−16 8.5	1.617	2.482	14.0	20.1
11 7	0 29.20	−14 19.6	1.712	2.502	16.6	20.3
11 17	0 24.51	−12 17.9	1.826	2.523	18.8	20.6

481718 2008 EV_{96} 10 8.9 320°.34 3°.7/11.6 17

9 8	1 20.52	+15 35.0	1.574	2.438	15.2	21.3
9 18	1 15.43	+15 52.8	1.489	2.418	11.6	21.0
9 28	1 8.01	+15 53.2	1.426	2.398	7.6	20.7
10 8	0 59.06	+15 36.8	1.387	2.378	4.1	20.5
10 18	0 49.72	+15 6.6	1.375	2.359	4.9	20.5
10 28	0 41.28	+14 28.9	1.388	2.341	9.0	20.7
11 7	0 34.88	+13 51.4	1.425	2.323	13.2	20.9
11 17	0 31.24	+13 20.9	1.483	2.306	17.0	21.1

103981 2000 DC_{86} 10 8.9 210°.20 1°.1/ 9.9 18

9 8	1 22.58	+10 35.1	2.193	3.054	11.6	20.2
9 18	1 16.16	+10 29.0	2.116	3.049	8.4	20.0
9 28	1 8.09	+10 12.5	2.064	3.044	4.8	19.8
10 8	0 59.06	+ 9 48.0	2.041	3.038	1.3	19.5
10 18	0 49.90	+ 9 19.0	2.047	3.032	3.4	19.7
10 28	0 41.54	+ 8 50.2	2.082	3.026	7.1	19.9
11 7	0 34.71	+ 8 26.1	2.144	3.019	10.5	20.1
11 17	0 29.94	+ 8 10.4	2.230	3.012	13.4	20.3

349266 2007 TF_{202} 10 8.9 271°.50 1°.7/ 7.4 18

9 8	1 20.15	+ 3 36.6	1.819	2.709	12.2	21.4
9 18	1 14.62	+ 2 56.1	1.754	2.705	8.5	21.2
9 28	1 7.31	+ 2 8.5	1.713	2.701	4.5	20.9
10 8	0 58.99	+ 1 19.3	1.700	2.697	1.7	20.7
10 18	0 50.60	+ 0 34.3	1.714	2.693	5.0	20.9
10 28	0 43.14	− 0 0.5	1.756	2.688	9.0	21.2
11 7	0 37.41	− 0 21.1	1.822	2.684	12.7	21.4
11 17	0 33.92	− 0 25.5	1.909	2.680	15.7	21.6

143831 2003 WH_{157} 10 8.9 269°.15 5°.9/ 4.2 18

9 8	1 21.91	− 4 46.3	1.397	2.304	14.0	19.9
9 18	1 16.22	− 6 4.8	1.345	2.300	10.1	19.7
9 28	1 8.27	− 7 23.3	1.316	2.297	6.7	19.5
10 8	0 59.07	− 8 31.8	1.312	2.293	6.2	19.5
10 18	0 49.85	− 9 21.2	1.333	2.289	9.2	19.6
10 28	0 41.88	− 9 45.5	1.379	2.285	13.2	19.9
11 7	0 36.14	− 9 42.9	1.446	2.282	16.9	20.1
11 17	0 33.17	− 9 14.8	1.531	2.278	20.0	20.3

38160 1999 JG_{74} 10 8.9 13°.20 4°.3/ 5.9 18

9 8	1 19.95	+ 0 32.2	1.093	2.010	16.2	18.0
9 18	1 15.16	− 0 38.7	1.048	2.011	11.3	17.7
9 28	1 7.80	− 1 56.2	1.024	2.014	6.4	17.5
10 8	0 59.03	− 3 9.4	1.024	2.017	4.5	17.4
10 18	0 50.32	− 4 7.5	1.047	2.020	8.4	17.6
10 28	0 43.13	− 4 42.2	1.093	2.025	13.3	17.9
11 7	0 38.51	− 4 49.8	1.159	2.030	17.7	18.2
11 17	0 36.99	− 4 31.0	1.242	2.036	21.4	18.5

473704 2015 YQ_8 10 8.9 345°.51 10°.2/28.1 16

9 8	1 14.17	−16 21.2	1.487	2.396	13.2	19.6
9 18	1 10.75	−18 8.8	1.441	2.380	11.1	19.5
9 28	1 5.36	−19 44.4	1.417	2.365	10.2	19.4
10 8	0 58.83	−20 57.0	1.416	2.351	11.1	19.4
10 18	0 52.21	−21 38.2	1.438	2.339	13.3	19.5
10 28	0 46.64	−21 44.0	1.480	2.328	16.1	19.7
11 7	0 42.98	−21 15.3	1.541	2.318	18.7	19.8
11 17	0 41.76	−20 16.0	1.617	2.310	21.0	20.0

414983 2011 DU_{37} 10 8.9 334°.29 1°.8/ 6.9 18

9 8	1 15.37	+ 4 5.0	1.920	2.815	11.4	20.3
9 18	1 11.22	+ 3 2.8	1.852	2.806	7.9	20.0
9 28	1 5.48	+ 1 52.3	1.808	2.796	4.2	19.8
10 8	0 58.84	+ 0 39.5	1.791	2.788	1.9	19.6
10 18	0 52.11	− 0 28.7	1.802	2.779	5.0	19.8
10 28	0 46.16	− 1 25.7	1.841	2.771	8.8	20.0
11 7	0 41.73	− 2 6.8	1.903	2.764	12.3	20.2
11 17	0 39.29	− 2 29.5	1.987	2.757	15.2	20.4

217722 1999 VJ_{154} 10 8.9 44°.39 0°.7/ 8.3 18

9 8	1 19.73	+ 6 3.1	1.731	2.619	12.8	20.3
9 18	1 14.20	+ 5 33.2	1.688	2.637	8.9	20.1
9 28	1 7.00	+ 4 55.1	1.669	2.656	4.7	19.9
10 8	0 58.98	+ 4 13.6	1.676	2.675	0.7	19.7
10 18	0 51.08	+ 3 34.4	1.711	2.694	4.3	20.0
10 28	0 44.28	+ 3 3.0	1.773	2.714	8.4	20.3
11 7	0 39.27	+ 2 43.4	1.860	2.734	11.9	20.6
11 17	0 36.48	+ 2 37.6	1.968	2.754	14.8	20.8

280364 2003 SC_{430} 10 8.9 207°.42 0°.6/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.51	+ 8 55.0	2.398	3.264	10.6	20.7
9 18	1 14.56	+ 8 51.9	2.326	3.263	7.6	20.5
9 28	1 7.19	+ 8 40.8	2.280	3.262	4.2	20.3
10 8	0 59.01	+ 8 24.0	2.262	3.261	0.8	20.1
10 18	0 50.76	+ 8 4.5	2.275	3.260	3.1	20.3
10 28	0 43.22	+ 7 46.1	2.316	3.259	6.5	20.5
11 7	0 37.06	+ 7 32.5	2.384	3.258	9.6	20.7
11 17	0 32.72	+ 7 26.5	2.476	3.256	12.3	20.9

130644 2000 SU_{71} 10 8.9 328°.05 0°.6/ 8.4 18

9 8	1 20.69	+ 6 40.5	1.478	2.371	14.3	19.2
9 18	1 15.37	+ 6 11.0	1.413	2.365	10.2	19.0
9 28	1 7.86	+ 5 30.0	1.371	2.359	5.4	18.7
10 8	0 59.07	+ 4 42.8	1.355	2.354	0.7	18.3
10 18	0 50.16	+ 3 56.3	1.364	2.349	5.0	18.6
10 28	0 42.36	+ 3 17.7	1.400	2.344	9.8	18.9
11 7	0 36.66	+ 2 52.8	1.459	2.340	14.1	19.2
11 17	0 33.64	+ 2 44.9	1.538	2.336	17.7	19.4

330879 2009 RX_{28} 10 8.9 30°.34 1°.2/ 7.9 17

9 8	1 18.56	+ 7 29.4	1.142	2.048	16.6	20.2
9 18	1 14.05	+ 6 22.6	1.099	2.057	11.6	20.0
9 28	1 7.15	+ 5 0.4	1.076	2.066	6.0	19.7
10 8	0 59.00	+ 3 32.2	1.078	2.077	1.2	19.4
10 18	0 50.96	+ 2 9.1	1.104	2.088	6.0	19.8
10 28	0 44.40	+ 1 1.8	1.154	2.100	11.3	20.1
11 7	0 40.27	+ 0 17.0	1.226	2.112	15.8	20.4
11 17	0 39.04	− 0 3.0	1.316	2.126	19.5	20.7

523215 2016 VF_{21} 10 8.9 197°.74 0°.3/ 9.3 18

9 8	1 17.54	+ 9 53.6	2.204	3.076	11.1	21.3
9 18	1 12.56	+ 9 12.1	2.135	3.076	7.9	21.1
9 28	1 6.13	+ 8 19.6	2.092	3.075	4.3	20.9
10 8	0 58.92	+ 7 20.1	2.076	3.075	0.6	20.6
10 18	0 51.66	+ 6 18.9	2.089	3.074	3.4	20.9
10 28	0 45.15	+ 5 21.7	2.131	3.073	7.0	21.1
11 7	0 40.06	+ 4 33.5	2.199	3.073	10.3	21.3
11 17	0 36.81	+ 3 57.9	2.290	3.072	13.1	21.5

326536 2002 OU_{35} 10 8.9 179°.24 3°.3/13.3 18

9 8	1 17.68	+20 36.4	2.687	3.505	11.0	21.5
9 18	1 12.52	+20 19.5	2.608	3.506	8.6	21.3
9 28	1 6.08	+19 47.4	2.554	3.507	5.9	21.1
10 8	0 58.92	+19 1.7	2.527	3.507	3.7	21.0
10 18	0 51.71	+18 5.5	2.529	3.507	3.6	21.0
10 28	0 45.14	+17 3.6	2.560	3.507	5.8	21.1
11 7	0 39.81	+16 1.3	2.620	3.506	8.4	21.3
11 17	0 36.13	+15 3.6	2.704	3.505	10.8	21.5

310670 2002 EY_{162} 10 8.9 275°.66 1°.1/10.9 17

9 8	1 14.31	+12 39.2	4.264	5.108	6.8	20.2
9 18	1 9.79	+12 38.9	4.181	5.103	5.0	20.1
9 28	1 4.50	+12 32.6	4.125	5.098	3.0	19.9
10 8	0 58.78	+12 21.4	4.098	5.092	1.3	19.8
10 18	0 53.01	+12 6.9	4.103	5.087	1.9	19.8
10 28	0 47.59	+11 51.0	4.138	5.082	3.9	20.0
11 7	0 42.87	+11 36.1	4.201	5.077	5.8	20.1
11 17	0 39.14	+11 24.1	4.291	5.072	7.5	20.2

461265 2015 XS_{56} 10 8.9 55°.22 1°.2/10.3 18

9 8	1 16.74	+13 22.6	2.031	2.896	12.2	20.6
9 18	1 12.01	+12 31.8	1.975	2.909	8.9	20.4
9 28	1 5.83	+11 26.6	1.944	2.923	5.1	20.2
10 8	0 58.89	+10 11.8	1.940	2.937	1.5	20.0
10 18	0 52.02	+ 8 53.4	1.964	2.951	3.3	20.1
10 28	0 46.02	+ 7 38.4	2.017	2.965	7.0	20.4
11 7	0 41.54	+ 6 32.8	2.097	2.979	10.3	20.6
11 17	0 38.97	+ 5 40.9	2.200	2.994	13.2	20.9

444350 2005 WP_{152} 10 8.9 5°.48 5°.6/ 4.2 18

9 8	1 20.60	− 8 3.1	1.736	2.637	12.1	20.5
9 18	1 14.92	− 8 45.2	1.687	2.637	8.9	20.3
9 28	1 7.45	− 9 22.6	1.662	2.638	6.3	20.2
10 8	0 59.04	− 9 48.7	1.663	2.639	5.9	20.2
10 18	0 50.68	− 9 58.3	1.691	2.641	8.2	20.3
10 28	0 43.37	− 9 48.3	1.744	2.643	11.3	20.5
11 7	0 37.89	− 9 18.4	1.820	2.646	14.3	20.7
11 17	0 34.70	− 8 30.2	1.915	2.649	16.9	20.9

244366 2002 NE_{45} 10 8.9 95°.17 6°.6/16.3 18

9 8	1 23.59	+28 14.9	2.005	2.788	15.4	20.4
9 18	1 16.98	+28 23.7	1.947	2.810	12.7	20.2
9 28	1 8.54	+28 8.0	1.912	2.832	9.8	20.1
10 8	0 59.14	+27 28.0	1.900	2.853	7.4	20.0
10 18	0 49.83	+26 27.0	1.916	2.874	6.7	20.0
10 28	0 41.64	+25 11.7	1.959	2.895	8.0	20.1
11 7	0 35.37	+23 50.6	2.028	2.915	10.4	20.3
11 17	0 31.47	+22 31.9	2.122	2.934	13.0	20.5

338494 2003 MD_6 10 8.9 9°.32 8°.5/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 18.03	+29 38.8	1.438	2.246	19.3	18.9
9 18	1 13.76	+29 42.9	1.371	2.247	16.1	18.7
9 28	1 7.10	+29 12.7	1.322	2.249	12.7	18.5
10 8	0 59.03	+28 7.7	1.295	2.251	9.7	18.4
10 18	0 50.85	+26 31.9	1.291	2.255	8.5	18.3
10 28	0 43.95	+24 35.5	1.312	2.259	10.0	18.4
11 7	0 39.38	+22 32.3	1.356	2.263	13.1	18.6
11 17	0 37.71	+20 34.9	1.423	2.268	16.4	18.8

453447 2009 RR_{11} 10 8.9 7°.42 0°.1/ 8.8 17

9 8	1 17.90	+ 7 35.5	1.687	2.576	13.1	21.1
9 18	1 13.13	+ 7 12.3	1.628	2.577	9.3	20.8
9 28	1 6.55	+ 6 38.7	1.592	2.579	5.0	20.6
10 8	0 58.98	+ 5 59.0	1.583	2.582	0.4	20.2
10 18	0 51.38	+ 5 19.0	1.600	2.585	4.2	20.6
10 28	0 44.76	+ 4 44.7	1.644	2.590	8.5	20.8
11 7	0 39.93	+ 4 21.1	1.712	2.595	12.3	21.1
11 17	0 37.37	+ 4 11.1	1.802	2.600	15.5	21.3

511918 2015 HO_{96} 10 8.9 30°.78 0°.9/ 9.7 18

9 8	1 20.62	+10 40.4	1.348	2.235	15.8	20.6
9 18	1 15.36	+10 13.9	1.295	2.241	11.4	20.3
9 28	1 7.84	+ 9 31.0	1.263	2.248	6.4	20.1
10 8	0 59.10	+ 8 36.8	1.256	2.255	1.3	19.7
10 18	0 50.37	+ 7 38.9	1.275	2.262	4.6	20.0
10 28	0 42.94	+ 6 45.7	1.320	2.270	9.6	20.3
11 7	0 37.79	+ 6 4.7	1.387	2.279	14.0	20.6
11 17	0 35.42	+ 5 40.2	1.475	2.288	17.6	20.9

179664 2002 QD_{32} 10 8.9 107°.25 4°.7/ 4.9 17

9 8	1 22.28	− 2 12.9	1.472	2.375	13.7	20.3
9 18	1 16.27	− 3 31.3	1.428	2.384	9.7	20.1
9 28	1 8.22	− 4 51.3	1.409	2.393	5.9	19.9
10 8	0 59.14	− 6 3.8	1.416	2.402	5.0	19.9
10 18	0 50.17	− 7 0.4	1.449	2.411	8.0	20.1
10 28	0 42.49	− 7 35.0	1.508	2.420	11.8	20.3
11 7	0 36.94	− 7 45.5	1.589	2.428	15.4	20.6
11 17	0 33.98	− 7 32.8	1.688	2.437	18.3	20.8

284723 2008 UC_{39} 10 8.9 244°.36 0°.2/ 9.1 18

9 8	1 21.56	+ 8 40.6	1.845	2.722	12.7	20.8
9 18	1 15.71	+ 8 15.5	1.771	2.713	9.1	20.5
9 28	1 7.97	+ 7 39.1	1.721	2.705	5.0	20.3
10 8	0 59.13	+ 6 55.1	1.698	2.697	0.6	19.9
10 18	0 50.13	+ 6 9.0	1.703	2.688	4.0	20.2
10 28	0 42.04	+ 5 26.8	1.736	2.679	8.3	20.4
11 7	0 35.70	+ 4 54.1	1.794	2.669	12.2	20.6
11 17	0 31.68	+ 4 34.7	1.874	2.660	15.4	20.8

220815 2004 TZ_{273} 10 8.9 268°.42 0°.6/ 9.6 18

9 8	1 18.39	+ 9 53.1	2.344	3.212	10.7	20.2
9 18	1 13.20	+ 9 28.5	2.260	3.198	7.7	19.9
9 28	1 6.54	+ 8 53.8	2.202	3.184	4.3	19.7
10 8	0 59.02	+ 8 12.0	2.172	3.171	0.8	19.4
10 18	0 51.35	+ 7 27.1	2.171	3.157	3.2	19.6
10 28	0 44.33	+ 6 44.1	2.199	3.143	6.8	19.8
11 7	0 38.64	+ 6 7.7	2.254	3.129	10.1	20.0
11 17	0 34.77	+ 5 41.4	2.332	3.114	12.9	20.2

147475 2004 CE_{24} 10 8.9 113°.46 1°.4/10.1 18

9 8	1 23.25	+12 13.1	1.598	2.468	14.7	20.2
9 18	1 16.94	+11 45.7	1.542	2.479	10.6	20.0
9 28	1 8.61	+11 2.2	1.510	2.490	6.1	19.8
10 8	0 59.20	+10 7.2	1.503	2.501	1.8	19.5
10 18	0 49.84	+ 9 7.0	1.524	2.511	4.1	19.7
10 28	0 41.69	+ 8 9.4	1.573	2.521	8.6	20.0
11 7	0 35.62	+ 7 21.4	1.646	2.530	12.6	20.2
11 17	0 32.12	+ 6 47.4	1.741	2.540	15.9	20.5

313359 2002 GA_{176} 10 8.9 189°.80 1°.3/ 7.2 18

9 8	1 17.58	+ 3 35.0	2.775	3.654	8.9	21.9
9 18	1 12.35	+ 2 46.5	2.706	3.653	6.1	21.8
9 28	1 5.97	+ 1 53.1	2.665	3.651	3.2	21.6
10 8	0 58.97	+ 0 58.6	2.653	3.649	1.4	21.4
10 18	0 51.94	+ 0 7.3	2.671	3.647	3.7	21.6
10 28	0 45.50	− 0 36.7	2.719	3.644	6.6	21.8
11 7	0 40.19	− 1 10.2	2.794	3.640	9.3	22.0
11 17	0 36.38	− 1 31.3	2.892	3.636	11.5	22.1

489672 2007 VH_{10} 10 8.9 40°.90 24°.9/ 7.6 17

9 8	1 54.31	−43 39.1	0.877	1.689	28.4	19.9
9 18	1 39.29	−43 50.3	0.865	1.700	26.6	19.8
9 28	1 20.15	−42 58.0	0.866	1.713	25.4	19.8
10 8	1 0.13	−40 51.7	0.882	1.727	24.9	19.9
10 18	0 42.42	−37 35.6	0.914	1.742	25.4	20.0
10 28	0 29.22	−33 26.9	0.964	1.757	26.6	20.1
11 7	0 21.23	−28 48.1	1.031	1.773	28.1	20.4
11 17	0 18.12	−23 58.8	1.114	1.790	29.6	20.6

511809 2015 FG_{121} 10 8.9 129°.17 1°.9/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 23.56	+ 3 26.3	1.707	2.595	13.0	21.5
9 18	1 17.00	+ 2 41.1	1.655	2.606	9.0	21.3
9 28	1 8.59	+ 1 49.2	1.629	2.616	4.8	21.1
10 8	0 59.21	+ 0 56.5	1.630	2.626	1.9	20.9
10 18	0 49.93	+ 0 9.6	1.658	2.636	5.3	21.1
10 28	0 41.78	− 0 25.7	1.715	2.645	9.4	21.4
11 7	0 35.58	− 0 45.6	1.795	2.654	13.0	21.7
11 17	0 31.79	− 0 48.6	1.897	2.662	16.0	21.9

381108 2007 DQ_6 10 8.9 226°.98 1°.8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.42	+13 42.2	1.929	2.786	13.1	22.1
9 18	1 16.33	+13 18.2	1.847	2.776	9.7	21.9
9 28	1 8.34	+12 38.5	1.789	2.766	5.8	21.6
10 8	0 59.21	+11 46.0	1.759	2.754	2.2	21.4
10 18	0 49.88	+10 45.7	1.756	2.742	3.8	21.5
10 28	0 41.41	+ 9 44.3	1.783	2.730	7.8	21.7
11 7	0 34.67	+ 8 48.8	1.835	2.717	11.6	21.9
11 17	0 30.25	+ 8 4.5	1.911	2.703	14.9	22.1

473359 2015 TV_{256} 10 8.9 270°.24 2°.3/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.10	+ 0 8.4	2.277	3.165	10.2	21.2
9 18	1 14.41	− 0 20.5	2.201	3.151	7.2	21.0
9 28	1 7.20	− 0 52.4	2.151	3.137	4.0	20.8
10 8	0 59.11	− 1 23.0	2.129	3.122	2.3	20.7
10 18	0 50.89	− 1 47.9	2.136	3.108	4.9	20.8
10 28	0 43.36	− 2 3.3	2.171	3.093	8.2	21.0
11 7	0 37.23	− 2 6.2	2.232	3.079	11.3	21.2
11 17	0 32.98	− 1 55.7	2.315	3.064	13.9	21.3

342523 2008 UK_{204} 10 8.9 69°.56 1°.0/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 25.63	+ 4 16.8	1.540	2.427	14.2	19.6
9 18	1 18.52	+ 4 6.6	1.496	2.446	9.9	19.4
9 28	1 9.40	+ 3 49.4	1.477	2.464	5.2	19.1
10 8	0 59.29	+ 3 29.9	1.484	2.482	1.1	18.9
10 18	0 49.36	+ 3 13.0	1.518	2.501	4.9	19.2
10 28	0 40.79	+ 3 3.7	1.580	2.519	9.3	19.5
11 7	0 34.40	+ 3 5.3	1.665	2.537	13.2	19.8
11 17	0 30.65	+ 3 19.6	1.772	2.556	16.3	20.1

445680 2011 UF_{122} 10 8.9 64°.68 1°.2/ 7.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.19	+ 4 38.2	1.755	2.643	12.7	21.7
9 18	1 15.33	+ 4 8.5	1.702	2.652	8.8	21.5
9 28	1 7.70	+ 3 31.4	1.673	2.660	4.6	21.2
10 8	0 59.14	+ 2 52.1	1.671	2.669	1.2	21.0
10 18	0 50.63	+ 2 15.9	1.697	2.678	4.7	21.3
10 28	0 43.16	+ 1 48.4	1.750	2.687	8.7	21.6
11 7	0 37.52	+ 1 33.4	1.828	2.696	12.3	21.8
11 17	0 34.16	+ 1 32.8	1.927	2.705	15.3	22.0

313919 2004 RB 10 8.9 34°.54 4°.9/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.32	+21 38.2	1.949	2.775	14.2	20.7
9 18	1 14.82	+21 49.5	1.880	2.780	11.3	20.5
9 28	1 7.49	+21 41.1	1.834	2.784	8.1	20.3
10 8	0 59.13	+21 13.5	1.813	2.789	5.5	20.2
10 18	0 50.68	+20 30.1	1.819	2.794	5.2	20.2
10 28	0 43.17	+19 36.4	1.852	2.799	7.6	20.3
11 7	0 37.40	+18 39.9	1.911	2.804	10.6	20.5
11 17	0 33.90	+17 47.3	1.993	2.810	13.5	20.7

42857 1999 RS_{84} 10 8.9 65°.39 0°.2/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.03	+10 48.2	1.240	2.129	16.7	18.7
9 18	1 16.29	+ 9 46.1	1.202	2.150	11.9	18.5
9 28	1 8.28	+ 8 26.2	1.185	2.171	6.4	18.2
10 8	0 59.19	+ 6 56.9	1.193	2.192	0.7	17.9
10 18	0 50.35	+ 5 28.5	1.227	2.214	5.0	18.3
10 28	0 43.06	+ 4 11.5	1.287	2.235	10.1	18.6
11 7	0 38.21	+ 3 13.3	1.370	2.256	14.5	19.0
11 17	0 36.18	+ 2 37.4	1.472	2.277	18.0	19.3

174949 2004 CB_{99} 10 8.9 208°.76 4°.2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.59	+19 48.5	2.165	2.990	13.0	20.4
9 18	1 16.33	+20 2.5	2.086	2.987	10.2	20.2
9 28	1 8.30	+19 59.9	2.030	2.984	7.1	20.0
10 8	0 59.21	+19 41.1	2.001	2.980	4.6	19.9
10 18	0 49.96	+19 8.5	2.000	2.976	4.6	19.9
10 28	0 41.51	+18 27.0	2.027	2.972	7.2	20.0
11 7	0 34.69	+17 42.7	2.082	2.968	10.2	20.2
11 17	0 30.04	+17 1.4	2.160	2.963	13.1	20.4

99657 2002 HG_9 10 8.9 310°.00 2°.5/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.26	+ 3 39.1	1.554	2.454	13.3	19.0
9 18	1 13.59	+ 2 26.2	1.489	2.446	9.3	18.7
9 28	1 6.91	+ 1 3.3	1.449	2.437	5.0	18.5
10 8	0 59.09	− 0 21.8	1.434	2.429	2.6	18.3
10 18	0 51.15	− 1 39.9	1.446	2.422	6.2	18.5
10 28	0 44.22	− 2 42.8	1.484	2.414	10.6	18.7
11 7	0 39.21	− 3 24.8	1.545	2.407	14.6	19.0
11 17	0 36.65	− 3 43.9	1.625	2.400	17.9	19.2

515163 2011 QN_{33} 10 8.9 356°.98 1°.4/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 10.64	+ 9 38.9	1.149	2.060	16.1	19.1
9 18	1 8.62	+ 7 47.5	1.092	2.053	11.3	18.9
9 28	1 4.37	+ 5 33.0	1.057	2.048	5.8	18.5
10 8	0 58.87	+ 3 7.4	1.046	2.045	1.4	18.2
10 18	0 53.28	+ 0 46.0	1.060	2.043	6.3	18.6
10 28	0 48.88	− 1 15.9	1.098	2.043	11.7	18.9
11 7	0 46.63	− 2 48.2	1.158	2.045	16.5	19.2
11 17	0 47.02	− 3 46.6	1.235	2.049	20.3	19.4

255514 2006 BF_{214} 10 8.9 314°.99 4°.9/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.43	+20 57.7	1.850	2.685	14.5	20.2
9 18	1 13.79	+21 4.8	1.754	2.660	11.6	20.0
9 28	1 7.13	+20 51.3	1.680	2.635	8.3	19.7
10 8	0 59.13	+20 17.3	1.631	2.610	5.5	19.5
10 18	0 50.76	+19 25.3	1.608	2.586	5.3	19.4
10 28	0 43.14	+18 21.4	1.612	2.562	8.2	19.5
11 7	0 37.24	+17 14.0	1.640	2.538	11.8	19.7
11 17	0 33.77	+16 10.8	1.692	2.515	15.2	19.9

82361 2001 MV_6 10 8.9 18°.88 0°.7/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 15.79	+12 53.0	1.524	2.406	14.6	18.6
9 18	1 11.80	+11 36.0	1.466	2.410	10.5	18.4
9 28	1 5.91	+ 9 59.5	1.431	2.415	5.9	18.2
10 8	0 59.01	+ 8 10.7	1.422	2.421	1.0	17.8
10 18	0 52.12	+ 6 19.4	1.441	2.427	4.2	18.1
10 28	0 46.31	+ 4 36.4	1.486	2.434	8.9	18.4
11 7	0 42.38	+ 3 10.3	1.555	2.442	13.0	18.7
11 17	0 40.80	+ 2 6.2	1.646	2.450	16.5	18.9

762 Pulcova 10 8.9 258°.42 5°.5/15.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.95	+26 7.7	2.493	3.280	12.6	13.6
9 18	1 14.40	+26 24.2	2.404	3.271	10.4	13.4
9 28	1 7.25	+26 22.2	2.337	3.262	8.0	13.3
10 8	0 59.14	+26 1.5	2.296	3.252	6.1	13.1
10 18	0 50.83	+25 23.7	2.283	3.243	5.6	13.1
10 28	0 43.18	+24 32.7	2.297	3.233	7.0	13.2
11 7	0 36.95	+23 34.6	2.339	3.223	9.3	13.3
11 17	0 32.65	+22 35.6	2.405	3.213	11.7	13.4

449014 2012 BJ_{109} 10 8.9 4°.62 5°.1/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 17.81	− 6 10.0	1.919	2.820	11.1	20.7
9 18	1 12.89	− 7 21.8	1.869	2.820	8.1	20.5
9 28	1 6.39	− 8 31.9	1.843	2.821	5.6	20.3
10 8	0 59.05	− 9 32.9	1.845	2.821	5.4	20.3
10 18	0 51.72	−10 18.7	1.874	2.822	7.7	20.5
10 28	0 45.28	−10 44.7	1.929	2.822	10.7	20.7
11 7	0 40.43	−10 49.5	2.006	2.824	13.5	20.8
11 17	0 37.60	−10 33.6	2.103	2.825	15.9	21.0

49392 1998 XD_{26} 10 8.9 248°.68 1°.8/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.63	+ 2 8.3	2.061	2.946	11.2	18.9
9 18	1 15.59	+ 1 42.4	1.989	2.938	7.8	18.7
9 28	1 7.88	+ 1 11.7	1.942	2.929	4.2	18.5
10 8	0 59.19	+ 0 40.8	1.923	2.919	1.8	18.3
10 18	0 50.40	+ 0 14.1	1.933	2.910	4.7	18.5
10 28	0 42.41	− 0 3.8	1.971	2.900	8.4	18.7
11 7	0 36.00	− 0 9.8	2.035	2.890	11.8	18.9
11 17	0 31.68	− 0 2.2	2.120	2.880	14.7	19.1

31984 Unger 10 8.9 181°.31 1°.7/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 22.53	+ 3 58.5	1.901	2.785	12.1	19.8
9 18	1 16.25	+ 3 11.1	1.837	2.786	8.4	19.6
9 28	1 8.22	+ 2 16.4	1.799	2.786	4.4	19.4
10 8	0 59.22	+ 1 19.9	1.789	2.786	1.7	19.2
10 18	0 50.20	+ 0 27.7	1.808	2.786	4.9	19.4
10 28	0 42.12	− 0 14.3	1.855	2.785	8.8	19.7
11 7	0 35.79	− 0 41.9	1.927	2.783	12.4	19.9
11 17	0 31.68	− 0 53.1	2.020	2.781	15.3	20.1

416724 2005 CN_{76} 10 8.9 283°.67 10°.6/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 26.84	+40 52.5	2.516	3.184	15.3	20.8
9 18	1 19.83	+42 12.2	2.420	3.169	13.9	20.6
9 28	1 10.46	+43 9.0	2.344	3.154	12.5	20.5
10 8	0 59.45	+43 38.3	2.289	3.138	11.2	20.4
10 18	0 47.83	+43 37.8	2.257	3.123	10.6	20.3
10 28	0 36.88	+43 8.9	2.250	3.108	10.9	20.3
11 7	0 27.72	+42 17.3	2.266	3.093	11.9	20.3
11 17	0 21.19	+41 10.9	2.305	3.078	13.3	20.4

299657 2006 ME_7 10 8.9 14°.11 9°.6/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.24	−14 48.0	1.467	2.373	13.6	19.8
9 18	1 13.53	−16 32.5	1.434	2.375	11.0	19.6
9 28	1 6.82	−18 4.3	1.425	2.379	9.6	19.6
10 8	0 59.10	−19 12.8	1.440	2.383	10.2	19.6
10 18	0 51.47	−19 50.9	1.478	2.387	12.4	19.8
10 28	0 45.06	−19 55.4	1.538	2.393	15.2	20.0
11 7	0 40.69	−19 28.1	1.617	2.399	17.8	20.2
11 17	0 38.80	−18 33.5	1.712	2.405	20.0	20.4

509416 2007 ED_{31} 10 8.9 123°.04 3°.9/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.31	+21 47.1	2.677	3.483	11.4	21.8
9 18	1 15.06	+21 54.1	2.611	3.498	9.0	21.7
9 28	1 7.47	+21 46.1	2.568	3.512	6.4	21.6
10 8	0 59.16	+21 23.7	2.553	3.526	4.4	21.5
10 18	0 50.84	+20 49.4	2.568	3.540	4.2	21.5
10 28	0 43.26	+20 7.3	2.611	3.553	6.0	21.6
11 7	0 37.02	+19 22.3	2.683	3.565	8.4	21.8
11 17	0 32.55	+18 39.4	2.780	3.578	10.6	22.0

130190 2000 AG_{90} 10 8.9 11°.49 3°.6/16.1 18 R

9 8	1 13.24	+26 38.6	4.249	5.017	8.1	19.2
9 18	1 9.14	+26 39.6	4.164	5.017	6.7	19.1
9 28	1 4.23	+26 29.3	4.103	5.018	5.2	19.0
10 8	0 58.88	+26 8.1	4.070	5.019	4.0	18.9
10 18	0 53.47	+25 37.3	4.064	5.020	3.6	18.9
10 28	0 48.44	+24 59.3	4.088	5.020	4.4	18.9
11 7	0 44.18	+24 17.0	4.141	5.021	5.7	19.0
11 17	0 40.96	+23 33.7	4.219	5.022	7.2	19.2

23304 2001 AN_{17} 10 8.9 357°.12 7°.3/14.3 18

9 8	1 21.29	+22 37.8	1.365	2.208	18.3	16.3
9 18	1 16.24	+23 24.9	1.298	2.204	14.8	16.1
9 28	1 8.57	+23 46.5	1.252	2.201	11.1	15.9
10 8	0 59.28	+23 40.8	1.227	2.200	8.0	15.7
10 18	0 49.72	+23 9.7	1.226	2.199	7.6	15.7
10 28	0 41.40	+22 20.3	1.250	2.199	10.2	15.8
11 7	0 35.53	+21 23.0	1.296	2.200	13.8	16.1
11 17	0 32.79	+20 27.8	1.363	2.203	17.3	16.3

326824 2003 TA_{56} 10 8.9 315°.82 3°.4/ 5.6 17

9 8	1 19.58	− 3 12.1	2.158	3.051	10.4	21.0
9 18	1 14.04	− 3 45.7	2.095	3.046	7.4	20.8
9 28	1 7.00	− 4 19.5	2.058	3.041	4.5	20.6
10 8	0 59.13	− 4 48.6	2.048	3.036	3.5	20.5
10 18	0 51.22	− 5 8.5	2.067	3.031	5.8	20.6
10 28	0 44.09	− 5 15.6	2.113	3.026	8.9	20.8
11 7	0 38.43	− 5 8.0	2.184	3.021	11.9	21.0
11 17	0 34.69	− 4 45.6	2.276	3.017	14.4	21.2

359366 2009 VK_{20} 10 8.9 267°.63 0°.4/ 9.7 18

9 8	1 12.41	+ 9 22.8	4.404	5.263	6.3	21.1
9 18	1 8.48	+ 9 7.0	4.324	5.258	4.5	21.0
9 28	1 3.86	+ 8 46.3	4.271	5.252	2.5	20.8
10 8	0 58.86	+ 8 22.4	4.248	5.246	0.5	20.6
10 18	0 53.82	+ 7 57.1	4.256	5.241	1.8	20.8
10 28	0 49.10	+ 7 32.5	4.293	5.235	3.8	20.9
11 7	0 45.03	+ 7 10.9	4.360	5.229	5.7	21.0
11 17	0 41.88	+ 6 53.9	4.452	5.224	7.4	21.2

174705 2003 UG_{100} 10 8.9 22°.29 5°.4/ 5.1 18

9 8	1 19.14	− 1 13.1	1.021	1.943	16.6	19.0
9 18	1 14.67	− 2 34.8	0.984	1.949	11.6	18.7
9 28	1 7.60	− 4 0.0	0.968	1.956	6.9	18.5
10 8	0 59.19	− 5 16.4	0.975	1.965	5.7	18.5
10 18	0 50.92	− 6 12.8	1.005	1.974	9.4	18.7
10 28	0 44.27	− 6 41.6	1.056	1.984	14.1	19.0
11 7	0 40.25	− 6 40.6	1.127	1.996	18.3	19.3
11 17	0 39.30	− 6 12.0	1.215	2.008	21.8	19.6

24355 2000 AJ_{111} 10 8.9 250°.41 1°.2/ 7.5 18

9 8	1 17.13	+ 4 46.9	2.460	3.342	9.8	18.9
9 18	1 12.24	+ 3 56.9	2.383	3.331	6.8	18.7
9 28	1 6.03	+ 2 59.8	2.333	3.320	3.6	18.5
10 8	0 59.06	+ 2 0.2	2.311	3.308	1.2	18.3
10 18	0 51.99	+ 1 3.0	2.319	3.297	3.9	18.5
10 28	0 45.55	+ 0 13.1	2.355	3.285	7.2	18.7
11 7	0 40.34	− 0 25.5	2.419	3.273	10.2	18.8
11 17	0 36.80	− 0 50.4	2.504	3.261	12.8	19.0

261201 2005 TH_{167} 10 8.9 248°.57 0°.3/ 9.3 18

9 8	1 19.13	+ 9 7.1	2.146	3.018	11.4	21.7
9 18	1 13.79	+ 8 40.2	2.074	3.014	8.1	21.4
9 28	1 6.90	+ 8 3.1	2.027	3.010	4.4	21.2
10 8	0 59.14	+ 7 19.3	2.007	3.006	0.6	20.9
10 18	0 51.29	+ 6 33.6	2.016	3.001	3.5	21.1
10 28	0 44.20	+ 5 51.1	2.054	2.997	7.2	21.4
11 7	0 38.59	+ 5 16.7	2.118	2.993	10.6	21.6
11 17	0 34.93	+ 4 53.6	2.205	2.988	13.5	21.8

246858 2010 HX_{78} 10 8.9 63°.46 5°.9/ 4.4 18

9 8	1 23.94	− 8 12.5	1.629	2.527	12.9	19.9
9 18	1 17.15	− 9 1.2	1.602	2.550	9.4	19.8
9 28	1 8.60	− 9 43.6	1.598	2.573	6.6	19.7
10 8	0 59.27	−10 12.8	1.621	2.596	6.1	19.7
10 18	0 50.24	−10 24.1	1.671	2.619	8.4	19.9
10 28	0 42.54	−10 14.9	1.746	2.642	11.4	20.1
11 7	0 36.86	− 9 45.9	1.844	2.666	14.4	20.4
11 17	0 33.59	− 8 59.2	1.961	2.689	16.8	20.6

139242 2001 HA_{29} 10 8.9 105°.00 3°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 20.96	+19 17.0	2.114	2.946	13.1	20.1
9 18	1 14.98	+18 46.1	2.057	2.966	10.0	20.0
9 28	1 7.46	+17 57.3	2.025	2.986	6.6	19.8
10 8	0 59.18	+16 53.6	2.019	3.006	3.7	19.7
10 18	0 51.00	+15 40.0	2.042	3.025	3.8	19.7
10 28	0 43.78	+14 23.3	2.095	3.044	6.7	19.9
11 7	0 38.20	+13 10.4	2.174	3.062	9.8	20.2
11 17	0 34.65	+12 6.9	2.278	3.079	12.6	20.4

426149 2012 HQ_{40} 10 8.9 85°.85 3°.6/ 6.4 16

9 8	1 25.18	− 0 49.9	1.412	2.312	14.4	21.2
9 18	1 18.39	− 1 30.2	1.369	2.323	10.1	21.0
9 28	1 9.42	− 2 12.8	1.349	2.335	5.7	20.7
10 8	0 59.35	− 2 50.7	1.354	2.347	3.7	20.7
10 18	0 49.45	− 3 17.0	1.386	2.358	7.0	20.9
10 28	0 40.95	− 3 26.8	1.444	2.370	11.2	21.2
11 7	0 34.77	− 3 18.0	1.525	2.381	15.0	21.4
11 17	0 31.36	− 2 50.9	1.624	2.392	18.2	21.7

212790 2007 TX_{228} 10 8.9 244°.37 0°.5/ 9.5 18

9 8	1 19.89	+10 20.7	2.089	2.958	11.8	21.3
9 18	1 14.43	+ 9 45.6	2.008	2.946	8.5	21.0
9 28	1 7.30	+ 8 58.2	1.952	2.934	4.7	20.8
10 8	0 59.18	+ 8 2.2	1.923	2.921	0.8	20.5
10 18	0 50.91	+ 7 2.8	1.923	2.909	3.6	20.7
10 28	0 43.39	+ 6 6.1	1.952	2.896	7.5	20.9
11 7	0 37.39	+ 5 18.0	2.007	2.882	11.1	21.1
11 17	0 33.45	+ 4 42.3	2.085	2.868	14.2	21.3

451791 2013 GH_{136} 10 8.9 46°.88 5°.1/ 4.0 18

9 8	1 19.82	− 7 40.2	1.988	2.885	11.0	20.2
9 18	1 14.21	− 8 29.8	1.944	2.892	8.0	20.0
9 28	1 7.06	− 9 15.4	1.925	2.900	5.6	19.9
10 8	0 59.15	− 9 51.0	1.933	2.907	5.4	19.9
10 18	0 51.31	−10 11.8	1.968	2.915	7.4	20.0
10 28	0 44.42	−10 14.8	2.030	2.923	10.2	20.2
11 7	0 39.13	− 9 59.1	2.114	2.931	12.9	20.4
11 17	0 35.86	− 9 26.1	2.219	2.939	15.2	20.6

352368 2007 VR_{242} 10 8.9 356°.45 9°.3/16.3 18

9 8	1 19.12	+27 12.6	1.331	2.157	19.6	19.9
9 18	1 14.83	+28 3.8	1.264	2.152	16.4	19.7
9 28	1 7.88	+28 24.6	1.216	2.148	13.0	19.4
10 8	0 59.25	+28 12.0	1.187	2.145	10.2	19.3
10 18	0 50.32	+27 27.4	1.182	2.144	9.3	19.2
10 28	0 42.65	+26 18.5	1.199	2.144	11.0	19.3
11 7	0 37.49	+24 57.1	1.239	2.145	14.1	19.5
11 17	0 35.53	+23 35.2	1.299	2.148	17.5	19.7

282260 2002 JT_{116} 10 8.9 95°.82 7°.8/ 1.3 16

9 8	1 22.66	−14 18.6	1.849	2.739	12.0	20.5
9 18	1 16.15	−15 45.9	1.828	2.762	9.5	20.4
9 28	1 8.05	−17 1.5	1.832	2.784	8.0	20.4
10 8	0 59.23	−17 57.9	1.862	2.805	8.3	20.5
10 18	0 50.67	−18 30.0	1.919	2.827	10.1	20.6
10 28	0 43.28	−18 35.9	2.000	2.847	12.5	20.8
11 7	0 37.73	−18 16.8	2.102	2.868	14.7	21.0
11 17	0 34.37	−17 36.2	2.222	2.888	16.6	21.2

217724 1999 VS_{170} 10 8.9 356°.76 1°.2/ 8.0 18

9 8	1 18.91	+ 4 23.5	1.607	2.503	13.2	19.0
9 18	1 13.99	+ 4 5.3	1.546	2.499	9.3	18.8
9 28	1 7.14	+ 3 39.6	1.508	2.496	4.9	18.5
10 8	0 59.19	+ 3 11.1	1.496	2.494	1.2	18.2
10 18	0 51.16	+ 2 45.3	1.510	2.493	4.8	18.5
10 28	0 44.15	+ 2 27.8	1.551	2.493	9.2	18.8
11 7	0 39.02	+ 2 22.4	1.615	2.493	13.1	19.0
11 17	0 36.29	+ 2 31.4	1.700	2.495	16.4	19.2

113177 2002 RD_{103} 10 8.9 40°.43 0°.6/ 8.4 18

9 8	1 17.60	+ 8 52.3	1.603	2.492	13.7	19.6
9 18	1 12.98	+ 7 42.4	1.550	2.499	9.6	19.4
9 28	1 6.53	+ 6 18.7	1.520	2.507	5.0	19.1
10 8	0 59.13	+ 4 48.4	1.517	2.516	0.6	18.8
10 18	0 51.77	+ 3 20.0	1.541	2.525	4.6	19.1
10 28	0 45.47	+ 2 2.4	1.592	2.534	9.0	19.4
11 7	0 41.02	+ 1 1.8	1.667	2.543	12.9	19.7
11 17	0 38.86	+ 0 21.7	1.763	2.552	16.1	19.9

267687 2002 VY_{22} 10 8.9 336°.96 2°.3/ 7.5 18

9 8	1 23.70	+ 1 55.7	1.263	2.166	15.5	19.8
9 18	1 17.84	+ 1 39.7	1.202	2.159	10.9	19.6
9 28	1 9.38	+ 1 17.7	1.164	2.153	5.9	19.3
10 8	0 59.40	+ 0 55.7	1.150	2.147	2.4	19.0
10 18	0 49.28	+ 0 40.1	1.161	2.142	6.4	19.3
10 28	0 40.50	+ 0 37.2	1.197	2.137	11.5	19.5
11 7	0 34.19	+ 0 50.4	1.255	2.133	16.1	19.8
11 17	0 30.99	+ 1 20.9	1.331	2.130	19.9	20.1

355544 2008 BK_{19} 10 8.9 312.°26 1.°8/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 19.33	+13 5.2	1.774	2.642	13.6	20.9
9 18	1 14.26	+12 44.3	1.700	2.635	10.0	20.7
9 28	1 7.30	+12 7.8	1.649	2.627	5.9	20.5
10 8	0 59.22	+11 18.8	1.624	2.620	2.1	20.2
10 18	0 50.98	+10 22.6	1.627	2.613	3.8	20.3
10 28	0 43.66	+ 9 26.2	1.656	2.607	8.0	20.5
11 7	0 38.11	+ 8 36.5	1.711	2.600	11.9	20.8
11 17	0 34.88	+ 7 58.7	1.788	2.594	15.3	21.0

409781 2006 EL_{42} 10 8.9 311.°23 2.°8/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.81	+16 2.1	2.211	3.057	12.1	20.9
9 18	1 14.33	+16 6.5	2.133	3.052	9.2	20.7
9 28	1 7.24	+15 57.1	2.079	3.047	6.0	20.5
10 8	0 59.21	+15 35.2	2.052	3.042	3.2	20.3
10 18	0 51.05	+15 3.9	2.053	3.037	3.7	20.3
10 28	0 43.62	+14 27.6	2.083	3.032	6.7	20.5
11 7	0 37.67	+13 51.9	2.140	3.027	9.9	20.7
11 17	0 33.71	+13 21.5	2.220	3.023	12.8	20.9

359598 2010 VT_{152} 10 8.9 238.°19 4.°8/28.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 14.11	−22 50.3	4.784	5.638	5.9	21.7
9 18	1 9.62	−23 23.4	4.739	5.631	5.1	21.7
9 28	1 4.46	−23 49.3	4.721	5.624	4.8	21.6
10 8	0 58.96	−24 5.4	4.730	5.617	5.1	21.6
10 18	0 53.46	−24 10.1	4.766	5.611	5.9	21.7
10 28	0 48.33	−24 2.4	4.827	5.604	6.8	21.8
11 7	0 43.89	−23 42.3	4.912	5.596	7.8	21.9
11 17	0 40.38	−23 10.6	5.016	5.589	8.7	21.9

481870 2008 YU_{91} 10 8.9 336.°51 0.°8/ 9.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.64	+10 17.2	1.664	2.542	13.8	21.4
9 18	1 15.21	+ 9 53.8	1.598	2.540	9.9	21.2
9 28	1 7.81	+ 9 16.7	1.555	2.538	5.6	20.9
10 8	0 59.27	+ 8 30.0	1.538	2.537	1.1	20.6
10 18	0 50.64	+ 7 39.4	1.549	2.535	4.1	20.8
10 28	0 43.03	+ 6 52.1	1.586	2.534	8.5	21.1
11 7	0 37.32	+ 6 14.1	1.648	2.532	12.6	21.3
11 17	0 34.05	+ 5 49.8	1.731	2.531	16.0	21.6

280029 2001 XW_{131} 10 8.9 282.°46 2.°1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 20.60	+14 8.9	1.596	2.464	14.8	20.3
9 18	1 15.31	+13 41.7	1.525	2.459	11.0	20.1
9 28	1 7.91	+12 55.8	1.477	2.455	6.6	19.8
10 8	0 59.28	+11 54.8	1.454	2.450	2.5	19.5
10 18	0 50.51	+10 45.2	1.459	2.445	4.2	19.6
10 28	0 42.79	+ 9 35.4	1.490	2.441	8.6	19.9
11 7	0 37.07	+ 8 33.6	1.545	2.436	12.8	20.1
11 17	0 33.91	+ 7 45.8	1.622	2.432	16.4	20.4

246341 2007 TV_{287} 10 8.9 354.°53 6.°3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.09	− 4 25.4	1.211	2.132	14.6	19.3
9 18	1 12.40	− 5 48.1	1.163	2.126	10.5	19.0
9 28	1 6.42	− 7 11.2	1.137	2.120	7.1	18.8
10 8	0 59.15	− 8 23.5	1.134	2.116	6.7	18.8
10 18	0 51.83	− 9 14.9	1.154	2.114	9.9	19.0
10 28	0 45.78	− 9 38.6	1.197	2.113	14.0	19.2
11 7	0 41.96	− 9 32.5	1.260	2.113	17.8	19.5
11 17	0 40.90	− 8 58.6	1.340	2.114	21.0	19.7

162127 1998 SO_{85} 10 8.9 313.°50 1.°8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 24.81	+ 9 44.1	1.533	2.410	14.8	18.9
9 18	1 18.67	+10 13.3	1.444	2.384	11.0	18.6
9 28	1 9.96	+10 32.0	1.377	2.359	6.5	18.3
10 8	0 59.50	+10 41.0	1.337	2.334	2.1	17.9
10 18	0 48.48	+10 43.1	1.323	2.309	4.6	18.0
10 28	0 38.34	+10 42.6	1.335	2.285	9.6	18.3
11 7	0 30.35	+10 45.1	1.372	2.261	14.2	18.5
11 17	0 25.31	+10 55.3	1.429	2.238	18.3	18.7

200003 Aokeda 10 8.9 176.°55 0.°9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.25	+ 6 21.6	2.490	3.369	9.8	20.3
9 18	1 11.57	+ 5 18.1	2.423	3.370	6.8	20.1
9 28	1 5.66	+ 4 6.6	2.383	3.370	3.5	19.9
10 8	0 59.09	+ 2 52.1	2.372	3.371	0.9	19.7
10 18	0 52.49	+ 1 39.7	2.391	3.371	3.7	19.9
10 28	0 46.54	+ 0 35.0	2.440	3.371	6.9	20.1
11 7	0 41.81	− 0 17.9	2.514	3.371	9.8	20.3
11 17	0 38.69	− 0 56.4	2.613	3.371	12.3	20.5

51445 2001 FM_{28} 10 8.9 59.°81 4.°7/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.40	− 0 45.8	1.257	2.166	15.1	18.9
9 18	1 15.88	− 2 11.0	1.221	2.181	10.5	18.7
9 28	1 8.14	− 3 39.2	1.209	2.195	6.2	18.5
10 8	0 59.31	− 4 59.8	1.221	2.210	4.9	18.5
10 18	0 50.70	− 6 3.1	1.258	2.225	8.3	18.7
10 28	0 43.55	− 6 42.2	1.320	2.241	12.5	19.0
11 7	0 38.74	− 6 54.9	1.403	2.256	16.3	19.3
11 17	0 36.68	− 6 42.5	1.504	2.271	19.4	19.5

440349 2004 TL_{295} 10 8.9 342.°99 2.°2/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 21.17	+ 0 29.9	1.956	2.847	11.5	20.0
9 18	1 15.32	+ 0 14.0	1.892	2.843	8.0	19.8
9 28	1 7.78	− 0 4.7	1.853	2.839	4.4	19.6
10 8	0 59.30	− 0 22.0	1.841	2.836	2.2	19.4
10 18	0 50.76	− 0 33.6	1.857	2.833	5.0	19.6
10 28	0 43.10	− 0 35.6	1.901	2.830	8.7	19.8
11 7	0 37.08	− 0 25.8	1.970	2.828	12.1	20.1
11 17	0 33.19	− 0 3.0	2.061	2.826	14.9	20.3

44500 1998 XT_{17} 10 8.9 342.°68 0.°5/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.48	+10 27.6	1.971	2.847	12.0	18.3
9 18	1 12.07	+ 9 48.6	1.900	2.842	8.6	18.1
9 28	1 6.06	+ 8 57.0	1.854	2.837	4.8	17.8
10 8	0 59.14	+ 7 57.0	1.834	2.832	0.8	17.5
10 18	0 52.14	+ 6 54.3	1.842	2.828	3.6	17.7
10 28	0 45.94	+ 5 55.2	1.878	2.825	7.5	18.0
11 7	0 41.25	+ 5 5.6	1.940	2.821	11.1	18.2
11 17	0 38.57	+ 4 29.5	2.024	2.818	14.2	18.4

346610 2008 WN_{68} 10 8.9 338.°85 0.°1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.97	+ 8 36.4	1.407	2.300	14.9	20.2
9 18	1 14.33	+ 8 2.0	1.342	2.292	10.6	19.9
9 28	1 7.46	+ 7 12.9	1.299	2.285	5.8	19.6
10 8	0 59.28	+ 6 14.8	1.280	2.279	0.5	19.2
10 18	0 50.94	+ 5 15.0	1.287	2.273	4.8	19.5
10 28	0 43.72	+ 4 22.3	1.320	2.268	9.8	19.8
11 7	0 38.63	+ 3 43.5	1.376	2.264	14.3	20.1
11 17	0 36.23	+ 3 22.9	1.451	2.260	18.1	20.3

42780 1998 VW_{17} 10 8.9 44.°15 3.°9/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 16.86	+21 48.3	2.064	2.891	13.5	18.2
9 18	1 12.26	+21 12.2	1.997	2.899	10.5	18.0
9 28	1 6.12	+20 15.3	1.952	2.907	7.3	17.8
10 8	0 59.15	+19 0.4	1.934	2.916	4.5	17.6
10 18	0 52.18	+17 32.7	1.944	2.924	4.2	17.7
10 28	0 46.09	+15 59.7	1.982	2.933	6.8	17.8
11 7	0 41.55	+14 29.4	2.047	2.942	9.9	18.0
11 17	0 39.00	+13 8.5	2.136	2.951	12.8	18.3

220106 2002 TE_{25} 10 8.9 44.°92 1.°2/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 19.91	+ 7 34.8	1.191	2.093	16.3	19.6
9 18	1 14.98	+ 6 25.6	1.150	2.106	11.4	19.3
9 28	1 7.72	+ 5 1.7	1.131	2.120	5.9	19.1
10 8	0 59.29	+ 3 32.4	1.135	2.134	1.2	18.8
10 18	0 51.02	+ 2 8.5	1.165	2.149	5.8	19.2
10 28	0 44.23	+ 1 0.3	1.220	2.164	10.9	19.5
11 7	0 39.83	+ 0 14.0	1.296	2.179	15.4	19.8
11 17	0 38.26	− 0 8.1	1.392	2.195	19.0	20.1

149364 2002 XQ_{47} 10 8.9 261.°11 1.°7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 23.80	+11 56.9	1.649	2.518	14.4	20.0
9 18	1 17.66	+11 50.2	1.568	2.504	10.6	19.7
9 28	1 9.27	+11 28.5	1.511	2.490	6.3	19.5
10 8	0 59.46	+10 54.2	1.479	2.476	2.1	19.2
10 18	0 49.35	+10 12.2	1.475	2.461	4.2	19.3
10 28	0 40.21	+ 9 29.2	1.498	2.447	8.9	19.5
11 7	0 33.08	+ 8 52.2	1.546	2.432	13.2	19.7
11 17	0 28.63	+ 8 26.7	1.615	2.416	16.9	20.0

358513 2007 RM_{255} 10 8.9 347.°35 0.°6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 11.90	+10 56.4	4.166	5.021	6.7	21.1
9 18	1 8.19	+10 34.3	4.090	5.020	4.8	21.0
9 28	1 3.76	+10 6.2	4.040	5.019	2.7	20.8
10 8	0 58.95	+ 9 34.1	4.021	5.018	0.8	20.7
10 18	0 54.11	+ 9 0.0	4.031	5.017	1.8	20.8
10 28	0 49.61	+ 8 26.4	4.072	5.016	3.9	20.9
11 7	0 45.80	+ 7 55.8	4.141	5.015	5.9	21.1
11 17	0 42.95	+ 7 30.2	4.236	5.014	7.6	21.2

109671 2001 RC_{23} 10 8.9 327.°01 1.°3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 18.58	+ 6 10.8	1.252	2.156	15.5	18.6
9 18	1 14.32	+ 5 23.9	1.184	2.141	11.0	18.3
9 28	1 7.58	+ 4 22.6	1.138	2.127	5.8	18.0
10 8	0 59.31	+ 3 14.2	1.116	2.114	1.3	17.6
10 18	0 50.80	+ 2 7.9	1.118	2.102	6.0	17.9
10 28	0 43.46	+ 1 13.6	1.145	2.090	11.4	18.2
11 7	0 38.42	+ 0 38.7	1.193	2.079	16.2	18.4
11 17	0 36.36	+ 0 26.6	1.260	2.070	20.2	18.7

188320 2003 HE_{7} 10 8.9 293.°48 1.°1/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 21.26	+ 4 11.9	1.985	2.869	11.6	20.4
9 18	1 15.42	+ 3 54.5	1.915	2.863	8.2	20.2
9 28	1 7.87	+ 3 30.9	1.871	2.858	4.3	19.9
10 8	0 59.34	+ 3 5.0	1.854	2.852	1.1	19.7
10 18	0 50.71	+ 2 41.2	1.866	2.847	4.3	19.9
10 28	0 42.94	+ 2 24.1	1.905	2.842	8.2	20.1
11 7	0 36.78	+ 2 17.2	1.970	2.836	11.7	20.3
11 17	0 32.75	+ 2 22.6	2.057	2.831	14.6	20.5

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

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

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

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

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

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

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

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

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

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

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

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

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

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

5220 Vika 10 9.0 57°.44 0°.7/ 8.6 18

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

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

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

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

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

3038 Bernes 10 9.0 8°.99 2°.1/10.3 18

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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