254131 2004 PT_{16} 10 15.9 51°.33 3°.5/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 45.92	+ 2 54.0	1.927	2.770	13.7	19.9
9 18	1 42.43	+ 1 44.8	1.864	2.779	10.5	19.7
9 28	1 36.99	+ 0 28.5	1.824	2.788	6.9	19.5
10 8	1 30.22	− 0 48.5	1.810	2.797	3.9	19.4
10 18	1 22.88	− 1 59.4	1.824	2.806	4.2	19.4
10 28	1 15.90	− 2 57.5	1.865	2.816	7.2	19.6
11 7	1 10.08	− 3 38.2	1.933	2.825	10.6	19.9
11 17	1 6.01	− 3 59.3	2.024	2.835	13.5	20.1

174754 2003 UA_{283} 10 15.9 28°.50 8°.3/11.3 16

9 8	1 48.81	− 3 56.9	0.937	1.825	21.0	18.8
9 18	1 46.17	− 5 11.0	0.903	1.839	16.3	18.6
9 28	1 40.11	− 6 24.9	0.887	1.855	11.7	18.4
10 8	1 31.72	− 7 26.0	0.891	1.872	8.5	18.3
10 18	1 22.55	− 8 3.1	0.917	1.890	9.3	18.4
10 28	1 14.30	− 8 9.2	0.964	1.910	12.9	18.7
11 7	1 8.34	− 7 43.6	1.031	1.931	16.9	19.0
11 17	1 5.38	− 6 49.7	1.116	1.953	20.6	19.3

520285 2014 EJ_{249} 10 16.0 115°.82 3°.1/13.0 18

9 8	1 49.55	+ 2 36.2	2.023	2.856	13.5	21.2
9 18	1 45.11	+ 1 45.2	1.957	2.867	10.4	21.0
9 28	1 38.73	+ 0 48.2	1.915	2.877	6.9	20.8
10 8	1 30.99	− 0 9.4	1.899	2.887	3.7	20.6
10 18	1 22.70	− 1 1.8	1.912	2.896	3.7	20.7
10 28	1 14.77	− 1 43.4	1.953	2.906	6.8	20.9
11 7	1 8.03	− 2 10.1	2.021	2.915	10.1	21.1
11 17	1 3.07	− 2 20.2	2.112	2.924	13.0	21.3

472967 2015 GL_{39} 10 16.0 279°.62 5°.6/11.8 18

9 8	1 51.26	− 1 31.9	1.491	2.344	16.5	21.2
9 18	1 47.33	− 2 30.4	1.419	2.337	12.9	21.0
9 28	1 40.69	− 3 33.8	1.368	2.331	9.0	20.7
10 8	1 32.04	− 4 34.0	1.342	2.324	6.0	20.5
10 18	1 22.43	− 5 22.6	1.341	2.317	6.5	20.6
10 28	1 13.17	− 5 51.9	1.366	2.311	9.9	20.7
11 7	1 5.45	− 5 57.7	1.414	2.304	13.9	21.0
11 17	1 0.14	− 5 39.2	1.484	2.298	17.5	21.2

282431 2003 WU_{86} 10 16.0 18°.80 5°.1/20.1 18

9 8	1 39.60	+22 41.0	0.891	1.742	25.0	18.0
9 18	1 39.46	+22 36.8	0.855	1.762	20.4	17.8
9 28	1 35.86	+21 56.1	0.834	1.784	15.0	17.6
10 8	1 29.88	+20 41.8	0.831	1.810	9.3	17.4
10 18	1 23.01	+19 2.7	0.848	1.838	5.2	17.3
10 28	1 16.99	+17 13.1	0.887	1.868	7.1	17.5
11 7	1 13.14	+15 28.9	0.948	1.900	11.8	17.9
11 17	1 12.16	+14 2.0	1.030	1.934	16.3	18.3

169669 2002 JK_{86} 10 16.0 80°.60 0°.1/16.1 18

9 8	1 52.09	+11 15.5	1.755	2.573	15.9	20.7
9 18	1 47.35	+10 56.6	1.694	2.592	12.4	20.6
9 28	1 40.32	+10 25.0	1.655	2.611	8.3	20.4
10 8	1 31.74	+ 9 43.7	1.640	2.630	3.8	20.1
10 18	1 22.54	+ 8 57.8	1.653	2.649	0.9	19.9
10 28	1 13.83	+ 8 13.1	1.694	2.667	5.4	20.3
11 7	1 6.57	+ 7 35.7	1.762	2.686	9.5	20.6
11 17	1 1.43	+ 7 9.7	1.855	2.704	13.0	20.9

328750 2009 UF_{59} 10 16.0 290°.44 0°.9/15.2 17

9 8	1 49.31	+ 6 58.6	2.290	3.108	12.7	21.0
9 18	1 44.93	+ 6 50.9	2.200	3.100	9.8	20.8
9 28	1 38.67	+ 6 36.3	2.133	3.091	6.5	20.6
10 8	1 31.03	+ 6 17.2	2.092	3.083	2.9	20.3
10 18	1 22.70	+ 5 56.8	2.080	3.075	1.4	20.2
10 28	1 14.53	+ 5 39.0	2.098	3.066	5.0	20.5
11 7	1 7.34	+ 5 27.5	2.143	3.058	8.5	20.7
11 17	1 1.77	+ 5 25.2	2.214	3.050	11.6	20.9

117707 2005 FJ_5 10 16.0 300°.07 4°.4/11.0 18

9 8	1 44.89	+ 4 3.3	1.758	2.606	14.6	19.2
9 18	1 41.98	+ 2 2.8	1.682	2.600	11.2	19.0
9 28	1 36.90	− 0 10.9	1.629	2.594	7.5	18.8
10 8	1 30.27	− 2 28.9	1.604	2.589	4.7	18.6
10 18	1 22.90	− 4 40.0	1.606	2.583	5.5	18.6
10 28	1 15.79	− 6 33.7	1.637	2.578	9.0	18.8
11 7	1 9.90	− 8 2.0	1.694	2.573	12.6	19.0
11 17	1 5.90	− 9 1.5	1.773	2.567	15.9	19.3

395745 2012 UJ_{147} 10 16.0 303°.38 1°.4/17.2 18

9 8	1 49.19	+14 56.6	1.716	2.529	16.4	21.3
9 18	1 45.49	+14 41.4	1.634	2.526	13.1	21.0
9 28	1 39.36	+14 9.5	1.572	2.524	9.1	20.8
10 8	1 31.42	+13 22.7	1.535	2.521	4.6	20.5
10 18	1 22.60	+12 25.3	1.524	2.519	1.4	20.3
10 28	1 14.06	+11 24.0	1.540	2.517	5.4	20.6
11 7	1 6.87	+10 26.5	1.584	2.514	9.8	20.8
11 17	1 1.84	+ 9 39.2	1.651	2.512	13.7	21.1

508862 2002 RY_{75} 10 16.0 18°.29 0°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 44.25	+11 2.9	0.850	1.731	23.2	19.8
9 18	1 43.14	+10 58.5	0.809	1.742	18.1	19.6
9 28	1 38.40	+10 33.1	0.785	1.755	12.1	19.3
10 8	1 31.08	+ 9 51.8	0.778	1.771	5.5	19.0
10 18	1 22.73	+ 9 3.0	0.793	1.789	1.3	18.8
10 28	1 15.21	+ 8 17.6	0.829	1.808	7.8	19.3
11 7	1 10.01	+ 7 45.3	0.885	1.830	13.6	19.7
11 17	1 7.96	+ 7 31.5	0.961	1.853	18.4	20.1

9767 Midsomer Norton 10 16.0 207°.83 4°.3/24.1 18

9 8	1 48.92	+33 41.4	4.603	5.247	9.0	23.6
9 18	1 43.84	+33 57.9	4.487	5.238	7.9	23.5
9 28	1 37.57	+34 2.5	4.393	5.228	6.6	23.4
10 8	1 30.44	+33 54.5	4.323	5.218	5.4	23.3
10 18	1 22.87	+33 33.6	4.281	5.207	4.5	23.2
10 28	1 15.36	+33 1.1	4.269	5.195	4.4	23.2
11 7	1 8.40	+32 19.4	4.287	5.183	5.1	23.3
11 17	1 2.40	+31 31.6	4.333	5.170	6.4	23.3

80653 2000 BR_1 10 16.0 106°.16 1°.1/16.9 18

9 8	1 53.46	+14 19.4	1.685	2.493	16.9	20.1
9 18	1 48.60	+14 2.4	1.619	2.509	13.3	19.9
9 28	1 41.27	+13 29.2	1.574	2.525	9.1	19.7
10 8	1 32.21	+12 42.5	1.553	2.540	4.5	19.5
10 18	1 22.45	+11 47.0	1.560	2.555	1.2	19.3
10 28	1 13.17	+10 49.4	1.594	2.569	5.4	19.6
11 7	1 5.44	+ 9 57.1	1.656	2.584	9.7	19.9
11 17	0 59.98	+ 9 15.7	1.742	2.597	13.4	20.2

212943 2008 YX_{39} 10 16.0 249°.43 0°.3/15.8 18

9 8	1 50.34	+10 5.2	1.905	2.724	14.8	21.0
9 18	1 46.13	+ 9 48.1	1.819	2.718	11.6	20.8
9 28	1 39.67	+ 9 19.5	1.754	2.711	7.8	20.5
10 8	1 31.55	+ 8 42.0	1.714	2.705	3.5	20.3
10 18	1 22.59	+ 7 59.9	1.702	2.698	1.0	20.1
10 28	1 13.84	+ 7 18.9	1.719	2.691	5.5	20.4
11 7	1 6.30	+ 6 44.5	1.763	2.684	9.6	20.6
11 17	1 0.72	+ 6 21.3	1.831	2.677	13.3	20.8

112814 2002 QC_5 10 16.0 57°.73 6°.1/22.9 18

9 8	1 49.45	+29 32.9	2.355	3.073	15.1	19.4
9 18	1 45.22	+30 5.1	2.271	3.081	12.9	19.3
9 28	1 38.95	+30 18.3	2.207	3.088	10.5	19.1
10 8	1 31.18	+30 10.9	2.166	3.096	8.1	19.0
10 18	1 22.69	+29 42.8	2.150	3.104	6.4	18.9
10 28	1 14.43	+28 57.0	2.162	3.112	6.4	18.9
11 7	1 7.29	+27 58.9	2.201	3.120	8.1	19.1
11 17	1 1.96	+26 55.3	2.266	3.129	10.4	19.2

184435 2005 NM_{22} 10 16.0 41°.03 3°.1/13.1 18

9 8	1 46.89	+ 3 42.1	1.814	2.657	14.4	20.5
9 18	1 43.35	+ 2 44.5	1.748	2.663	11.1	20.3
9 28	1 37.70	+ 1 38.9	1.705	2.669	7.3	20.1
10 8	1 30.59	+ 0 31.4	1.687	2.676	3.9	19.9
10 18	1 22.85	− 0 31.3	1.696	2.682	3.8	19.9
10 28	1 15.47	− 1 22.4	1.733	2.689	7.2	20.2
11 7	1 9.33	− 1 56.9	1.796	2.697	10.8	20.4
11 17	1 5.07	− 2 12.7	1.882	2.704	14.0	20.6

323697 2005 GJ_{108} 10 16.0 60°.41 1°.1/15.2 18

9 8	1 50.51	+10 7.5	1.322	2.165	18.8	20.5
9 18	1 46.87	+ 9 25.8	1.264	2.177	14.5	20.3
9 28	1 40.38	+ 8 27.6	1.225	2.189	9.6	20.1
10 8	1 31.88	+ 7 18.6	1.209	2.201	4.2	19.8
10 18	1 22.54	+ 6 6.6	1.218	2.213	1.9	19.7
10 28	1 13.78	+ 5 1.2	1.253	2.225	7.1	20.0
11 7	1 6.82	+ 4 10.5	1.313	2.238	11.9	20.4
11 17	1 2.43	+ 3 39.3	1.395	2.251	16.1	20.7

137487 1999 UA_{37} 10 16.0 336°.29 0°.7/15.6 18

9 8	1 48.91	+ 8 10.0	1.139	1.999	20.0	19.4
9 18	1 46.48	+ 8 13.7	1.064	1.986	15.8	19.1
9 28	1 40.70	+ 8 4.2	1.007	1.974	10.6	18.8
10 8	1 32.27	+ 7 44.6	0.970	1.963	4.8	18.4
10 18	1 22.40	+ 7 20.4	0.957	1.953	1.7	18.2
10 28	1 12.77	+ 6 58.9	0.968	1.944	7.8	18.5
11 7	1 5.02	+ 6 47.7	1.001	1.936	13.5	18.8
11 17	1 0.29	+ 6 51.8	1.054	1.930	18.5	19.1

195182 2002 CX_{263} 10 16.0 109°.35 2°.3/13.9 18

9 8	1 50.29	+ 5 55.8	1.806	2.639	14.9	21.4
9 18	1 45.94	+ 5 5.6	1.741	2.649	11.5	21.2
9 28	1 39.41	+ 4 6.0	1.698	2.660	7.5	21.0
10 8	1 31.36	+ 3 2.2	1.680	2.671	3.6	20.8
10 18	1 22.67	+ 2 0.7	1.691	2.681	2.9	20.8
10 28	1 14.40	+ 1 8.2	1.729	2.691	6.6	21.0
11 7	1 7.46	+ 0 30.1	1.794	2.701	10.4	21.3
11 17	1 2.52	+ 0 9.1	1.883	2.710	13.8	21.5

431888 2008 SA_{262} 10 16.0 120°.08 0°.8/15.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.07	+10 26.8	1.847	2.667	15.1	21.8
9 18	1 45.77	+ 9 39.6	1.777	2.678	11.7	21.6
9 28	1 39.29	+ 8 39.0	1.730	2.689	7.7	21.4
10 8	1 31.31	+ 7 29.6	1.708	2.699	3.4	21.1
10 18	1 22.69	+ 6 17.4	1.714	2.709	1.5	21.0
10 28	1 14.46	+ 5 9.7	1.749	2.719	5.7	21.3
11 7	1 7.55	+ 4 12.8	1.811	2.728	9.7	21.6
11 17	1 2.60	+ 3 31.4	1.898	2.737	13.2	21.8

185589 2008 BS_{31} 10 16.0 216°.17 2°.5/13.9 18

9 8	1 51.24	+ 6 6.1	1.613	2.450	16.2	21.3
9 18	1 47.15	+ 5 15.8	1.535	2.446	12.5	21.0
9 28	1 40.50	+ 4 13.6	1.479	2.442	8.3	20.8
10 8	1 31.96	+ 3 5.2	1.447	2.438	3.9	20.5
10 18	1 22.51	+ 1 57.9	1.442	2.433	3.3	20.4
10 28	1 13.37	+ 1 0.0	1.465	2.428	7.5	20.7
11 7	1 5.68	+ 0 18.1	1.514	2.423	11.8	20.9
11 17	1 0.25	− 0 4.1	1.584	2.417	15.7	21.2

224889 2007 CM_{10} 10 16.0 312°.04 4°.6/12.6 18

9 8	1 46.64	+ 2 52.4	1.303	2.167	17.7	20.7
9 18	1 44.34	+ 1 50.7	1.218	2.145	13.8	20.4
9 28	1 39.10	+ 0 36.3	1.153	2.122	9.4	20.1
10 8	1 31.51	− 0 43.2	1.111	2.100	5.3	19.8
10 18	1 22.60	− 1 57.5	1.094	2.079	5.6	19.7
10 28	1 13.82	− 2 55.8	1.100	2.058	10.1	19.9
11 7	1 6.59	− 3 29.9	1.129	2.038	15.0	20.1
11 17	1 1.96	− 3 35.8	1.178	2.019	19.4	20.4

287691 2003 QD_{23} 10 16.0 340°.32 4°.0/11.6 18

9 8	1 41.78	+ 3 42.7	1.787	2.640	14.2	19.8
9 18	1 39.57	+ 2 8.0	1.708	2.630	10.9	19.5
9 28	1 35.33	+ 0 21.9	1.653	2.620	7.3	19.3
10 8	1 29.58	− 1 27.9	1.624	2.611	4.3	19.1
10 18	1 23.12	− 3 12.4	1.622	2.602	4.9	19.1
10 28	1 16.87	− 4 42.2	1.647	2.595	8.3	19.3
11 7	1 11.75	− 5 50.4	1.698	2.588	11.9	19.5
11 17	1 8.42	− 6 33.6	1.770	2.582	15.2	19.7

388232 2006 KK_{17} 10 16.0 143°.76 5°.0/11.2 18

9 8	1 51.60	− 4 14.2	2.136	2.970	12.9	21.6
9 18	1 46.59	− 5 10.7	2.073	2.979	10.0	21.4
9 28	1 39.67	− 6 7.6	2.034	2.988	7.2	21.2
10 8	1 31.44	− 6 59.1	2.022	2.996	5.2	21.1
10 18	1 22.68	− 7 39.4	2.038	3.004	5.7	21.2
10 28	1 14.28	− 8 3.8	2.082	3.011	8.1	21.4
11 7	1 7.05	− 8 9.9	2.153	3.018	10.9	21.5
11 17	1 1.57	− 7 57.5	2.246	3.024	13.5	21.7

441320 2008 AF_{138} 10 16.0 313°.84 7°.4/ 8.6 18

9 8	1 45.50	− 6 3.0	1.717	2.575	14.4	20.8
9 18	1 42.56	− 7 41.5	1.646	2.563	11.5	20.6
9 28	1 37.37	− 9 22.3	1.597	2.551	8.7	20.4
10 8	1 30.53	−10 55.9	1.574	2.540	7.4	20.3
10 18	1 22.88	−12 12.8	1.576	2.528	8.5	20.4
10 28	1 15.48	−13 5.2	1.604	2.517	11.2	20.5
11 7	1 9.32	−13 29.1	1.655	2.507	14.3	20.7
11 17	1 5.13	−13 24.4	1.726	2.496	17.2	20.9

85464 1997 JH_{3} 10 16.0 303°.40 0°.5/15.5 18

9 8	1 45.03	+11 32.8	2.038	2.859	13.9	19.2
9 18	1 41.88	+10 43.1	1.948	2.849	10.8	19.0
9 28	1 36.77	+ 9 39.2	1.881	2.840	7.2	18.8
10 8	1 30.23	+ 8 24.7	1.840	2.831	3.2	18.5
10 18	1 22.97	+ 7 5.2	1.826	2.821	1.2	18.3
10 28	1 15.90	+ 5 47.6	1.841	2.812	5.3	18.6
11 7	1 9.88	+ 4 39.0	1.884	2.804	9.2	18.8
11 17	1 5.56	+ 3 44.7	1.951	2.795	12.7	19.0

259680 2003 XC_{11} 10 16.0 349°.40 6°.3/11.9 18

9 8	1 49.11	− 1 26.0	1.179	2.051	18.7	19.6
9 18	1 46.25	− 2 22.5	1.117	2.046	14.6	19.3
9 28	1 40.26	− 3 24.1	1.074	2.041	10.2	19.1
10 8	1 31.95	− 4 21.5	1.054	2.038	6.7	18.9
10 18	1 22.55	− 5 4.7	1.056	2.035	7.2	18.9
10 28	1 13.61	− 5 25.1	1.082	2.033	11.1	19.1
11 7	1 6.54	− 5 18.4	1.130	2.032	15.5	19.4
11 17	1 2.25	− 4 44.9	1.197	2.032	19.5	19.6

190357 1999 CG_{11} 10 16.0 306°.87 7°.9/ 5.3 18

9 8	1 43.43	− 9 25.9	2.099	2.951	12.4	19.6
9 18	1 40.66	−11 37.8	2.019	2.928	10.1	19.4
9 28	1 35.99	−13 51.4	1.965	2.904	8.4	19.3
10 8	1 29.90	−15 57.2	1.937	2.881	7.9	19.2
10 18	1 23.05	−17 45.6	1.937	2.858	9.2	19.2
10 28	1 16.31	−19 8.8	1.963	2.835	11.5	19.3
11 7	1 10.51	−20 2.4	2.011	2.813	14.1	19.5
11 17	1 6.35	−20 25.9	2.079	2.790	16.4	19.6

411072 2009 VK_{66} 10 16.0 314°.20 0°.2/16.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 47.11	+10 52.9	2.028	2.847	14.0	21.9
9 18	1 43.63	+10 44.6	1.928	2.827	11.1	21.7
9 28	1 38.06	+10 25.3	1.850	2.807	7.5	21.4
10 8	1 30.87	+ 9 56.8	1.798	2.787	3.5	21.1
10 18	1 22.80	+ 9 22.6	1.772	2.768	0.8	20.9
10 28	1 14.81	+ 8 47.5	1.775	2.749	5.1	21.2
11 7	1 7.84	+ 8 16.9	1.805	2.730	9.1	21.4
11 17	1 2.65	+ 7 55.2	1.859	2.712	12.8	21.6

362594 2010 VS_{207} 10 16.0 22°.24 2°.8/18.6 18

9 8	1 47.77	+18 28.4	1.864	2.660	15.9	20.6
9 18	1 44.20	+18 29.7	1.786	2.664	12.9	20.4
9 28	1 38.40	+18 13.9	1.728	2.668	9.3	20.2
10 8	1 30.98	+17 41.7	1.694	2.673	5.5	20.0
10 18	1 22.80	+16 56.0	1.687	2.678	2.8	19.9
10 28	1 14.91	+16 2.2	1.707	2.683	5.0	20.0
11 7	1 8.28	+15 7.3	1.755	2.689	8.7	20.3
11 17	1 3.64	+14 17.7	1.826	2.695	12.2	20.5

304541 2006 UJ_{283} 10 16.0 179°.32 0°.6/16.6 18

9 8	1 48.55	+12 58.2	2.085	2.892	14.1	21.6
9 18	1 44.51	+12 37.6	2.001	2.893	11.1	21.4
9 28	1 38.47	+12 4.2	1.940	2.893	7.5	21.2
10 8	1 30.98	+11 20.3	1.905	2.893	3.6	20.9
10 18	1 22.80	+10 29.7	1.897	2.893	0.8	20.7
10 28	1 14.87	+ 9 38.0	1.919	2.893	4.7	21.0
11 7	1 8.05	+ 8 50.9	1.968	2.893	8.6	21.3
11 17	1 3.00	+ 8 13.1	2.042	2.892	11.9	21.5

372841 2010 VZ_{61} 10 16.0 275°.11 1°.8/17.1 18

9 8	1 54.65	+13 12.3	1.454	2.274	18.5	21.2
9 18	1 50.31	+13 30.5	1.372	2.269	14.8	21.0
9 28	1 42.94	+13 33.9	1.310	2.263	10.3	20.7
10 8	1 33.21	+13 23.2	1.270	2.257	5.3	20.4
10 18	1 22.23	+13 1.0	1.257	2.251	1.8	20.2
10 28	1 11.50	+12 32.6	1.269	2.246	6.2	20.5
11 7	1 2.43	+12 5.3	1.308	2.240	11.3	20.7
11 17	0 56.06	+11 45.6	1.369	2.234	15.7	21.0

329872 2005 AA_{15} 10 16.0 295°.22 7°.1/ 7.8 18

9 8	1 46.45	−11 32.9	2.279	3.120	11.9	20.5
9 18	1 42.69	−12 47.6	2.211	3.111	9.8	20.3
9 28	1 37.15	−13 58.8	2.166	3.102	7.9	20.2
10 8	1 30.35	−14 59.5	2.147	3.093	7.1	20.1
10 18	1 22.96	−15 43.7	2.154	3.084	8.0	20.2
10 28	1 15.80	−16 6.8	2.188	3.075	9.9	20.3
11 7	1 9.62	−16 7.0	2.246	3.066	12.1	20.4
11 17	1 5.00	−15 44.7	2.324	3.058	14.3	20.6

327169 2005 JE_{81} 10 16.0 54°.55 12°.5/22.8 18

9 8	2 11.71	+29 56.4	1.307	2.040	24.4	19.9
9 18	2 4.61	+32 40.5	1.253	2.064	21.3	19.7
9 28	1 53.09	+34 59.6	1.217	2.089	17.8	19.6
10 8	1 37.99	+36 42.1	1.201	2.114	14.7	19.4
10 18	1 21.05	+37 39.5	1.208	2.139	12.7	19.4
10 28	1 4.68	+37 51.4	1.240	2.165	12.7	19.5
11 7	0 51.11	+37 27.6	1.295	2.190	14.5	19.7
11 17	0 41.70	+36 42.3	1.371	2.216	16.9	19.9

292554 2006 TS_{65} 10 16.0 74°.12 5°.5/20.4 18

9 8	1 53.32	+23 37.7	1.423	2.209	20.5	20.5
9 18	1 49.19	+23 57.1	1.359	2.223	16.9	20.3
9 28	1 42.05	+23 51.1	1.312	2.237	12.8	20.1
10 8	1 32.70	+23 18.4	1.286	2.252	8.6	19.9
10 18	1 22.39	+22 21.4	1.284	2.266	5.7	19.8
10 28	1 12.63	+21 7.3	1.308	2.280	6.8	19.9
11 7	1 4.76	+19 46.7	1.358	2.294	10.5	20.1
11 17	0 59.63	+18 30.2	1.431	2.308	14.4	20.4

398537 2011 UY_{316} 10 16.0 2°.20 1°.4/14.9 18

9 8	1 49.63	+ 6 43.2	1.723	2.558	15.4	21.1
9 18	1 45.71	+ 6 26.9	1.649	2.558	12.0	20.8
9 28	1 39.44	+ 6 1.5	1.595	2.558	7.9	20.6
10 8	1 31.47	+ 5 30.6	1.566	2.558	3.6	20.4
10 18	1 22.70	+ 4 59.0	1.564	2.558	2.0	20.2
10 28	1 14.23	+ 4 32.4	1.590	2.559	6.2	20.5
11 7	1 7.10	+ 4 15.6	1.642	2.561	10.4	20.8
11 17	1 2.06	+ 4 12.1	1.717	2.562	14.0	21.0

506813 2007 RQ_{56} 10 16.0 49°.72 1°.0/16.7 17

9 8	1 52.12	+15 36.9	0.995	1.842	23.2	20.7
9 18	1 48.59	+14 55.2	0.959	1.871	18.1	20.5
9 28	1 41.63	+13 47.6	0.939	1.900	12.2	20.3
10 8	1 32.42	+12 20.6	0.940	1.930	5.8	20.1
10 18	1 22.52	+10 44.5	0.964	1.960	1.3	19.9
10 28	1 13.69	+ 9 12.5	1.013	1.991	7.1	20.3
11 7	1 7.22	+ 7 56.4	1.085	2.022	12.5	20.7
11 17	1 3.83	+ 7 2.7	1.177	2.053	17.0	21.1

13369 1998 UF_{37} 10 16.0 83°.37 0°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 48.37	+10 35.9	2.284	3.094	12.9	18.5
9 18	1 44.05	+10 14.0	2.214	3.109	10.0	18.3
9 28	1 37.97	+ 9 42.3	2.168	3.123	6.7	18.2
10 8	1 30.69	+ 9 3.5	2.147	3.137	3.0	17.9
10 18	1 22.91	+ 8 21.4	2.156	3.152	0.8	17.8
10 28	1 15.45	+ 7 40.7	2.194	3.166	4.5	18.1
11 7	1 9.04	+ 7 5.8	2.260	3.180	7.9	18.3
11 17	1 4.22	+ 6 40.2	2.352	3.194	10.9	18.6

190268 2007 XU_{3} 10 16.0 20°.44 0°.6/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.48	+ 8 51.7	4.017	4.826	7.8	19.5
9 18	1 36.56	+ 8 8.8	3.932	4.828	6.0	19.4
9 28	1 32.72	+ 7 20.1	3.872	4.830	3.9	19.2
10 8	1 28.26	+ 6 28.0	3.841	4.832	1.7	19.1
10 18	1 23.51	+ 5 35.0	3.841	4.835	0.9	19.0
10 28	1 18.88	+ 4 44.0	3.871	4.837	3.1	19.2
11 7	1 14.74	+ 3 58.0	3.931	4.840	5.2	19.3
11 17	1 11.41	+ 3 19.2	4.018	4.842	7.1	19.5

271046 2003 FT_{8} 10 16.0 309°.03 9°.0/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	2 7.33	+17 39.8	1.043	1.856	24.7	19.8
9 18	2 2.29	+20 6.8	0.964	1.846	20.8	19.5
9 28	1 52.40	+22 26.1	0.902	1.836	16.1	19.2
10 8	1 38.13	+24 27.7	0.860	1.827	11.5	18.9
10 18	1 20.95	+26 0.1	0.841	1.818	9.0	18.7
10 28	1 3.49	+26 57.7	0.846	1.810	11.3	18.8
11 7	0 48.55	+27 24.7	0.874	1.802	16.0	19.1
11 17	0 38.13	+27 32.7	0.921	1.794	20.8	19.3

191896 2005 AH_{51} 10 16.0 293°.38 2°.3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.22	+ 4 50.8	2.263	3.095	12.3	20.0
9 18	1 41.82	+ 3 59.9	2.173	3.083	9.5	19.8
9 28	1 36.64	+ 3 0.8	2.107	3.070	6.3	19.5
10 8	1 30.17	+ 1 58.0	2.067	3.057	3.1	19.3
10 18	1 23.05	+ 0 56.6	2.056	3.044	2.9	19.3
10 28	1 16.08	+ 0 2.6	2.074	3.032	6.0	19.5
11 7	1 10.03	− 0 39.2	2.118	3.019	9.4	19.7
11 17	1 5.51	− 1 5.7	2.187	3.007	12.4	19.8

236565 2006 HB_{81} 10 16.0 226°.62 0°.5/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.69	+12 49.1	1.844	2.658	15.4	21.0
9 18	1 45.70	+12 29.0	1.761	2.656	12.1	20.8
9 28	1 39.43	+11 54.6	1.700	2.654	8.3	20.5
10 8	1 31.49	+11 8.3	1.663	2.652	3.9	20.3
10 18	1 22.73	+10 14.6	1.654	2.649	0.9	20.0
10 28	1 14.24	+ 9 19.8	1.672	2.647	5.3	20.4
11 7	1 7.00	+ 8 30.4	1.718	2.645	9.5	20.6
11 17	1 1.78	+ 7 51.9	1.789	2.642	13.2	20.8

143801 2003 WR_{116} 10 16.0 92°.79 3°.8/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.57	+20 48.5	1.500	2.295	19.2	19.8
9 18	1 48.40	+20 44.7	1.432	2.307	15.6	19.6
9 28	1 41.42	+20 17.6	1.383	2.320	11.4	19.3
10 8	1 32.41	+19 27.7	1.356	2.332	6.9	19.1
10 18	1 22.52	+18 18.9	1.355	2.344	3.8	19.0
10 28	1 13.14	+16 59.1	1.380	2.356	6.0	19.1
11 7	1 5.50	+15 38.5	1.432	2.368	10.2	19.4
11 17	1 0.41	+14 26.3	1.507	2.379	14.1	19.7

408092 2012 HB_{69} 10 16.0 236°.61 1°.1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.62	+ 9 32.7	2.608	3.422	11.4	20.8
9 18	1 41.08	+ 8 28.7	2.516	3.415	8.8	20.6
9 28	1 36.01	+ 7 13.9	2.449	3.408	5.8	20.4
10 8	1 29.84	+ 5 52.2	2.410	3.401	2.5	20.1
10 18	1 23.15	+ 4 28.6	2.400	3.393	1.6	20.1
10 28	1 16.63	+ 3 8.8	2.421	3.386	4.8	20.3
11 7	1 10.92	+ 1 58.3	2.471	3.378	7.9	20.5
11 17	1 6.54	+ 1 1.0	2.547	3.370	10.7	20.6

236342 2006 BQ_{127} 10 16.0 141°.42 0°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.62	+14 4.2	2.119	2.916	14.3	22.0
9 18	1 46.78	+13 44.0	2.042	2.926	11.2	21.8
9 28	1 39.91	+13 10.5	1.987	2.936	7.7	21.6
10 8	1 31.63	+12 25.8	1.958	2.945	3.8	21.4
10 18	1 22.72	+11 33.9	1.958	2.954	1.0	21.2
10 28	1 14.14	+10 40.0	1.988	2.962	4.6	21.4
11 7	1 6.74	+ 9 50.1	2.045	2.969	8.3	21.7
11 17	1 1.17	+ 9 9.0	2.129	2.976	11.6	21.9

155537 1999 TL_{204} 10 16.0 331°.60 0°.6/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.93	+ 6 59.3	2.166	2.980	13.4	20.0
9 18	1 47.81	+ 7 8.3	2.082	2.979	10.4	19.8
9 28	1 40.65	+ 7 11.0	2.021	2.977	7.0	19.6
10 8	1 32.00	+ 7 9.4	1.986	2.976	3.1	19.4
10 18	1 22.63	+ 7 5.9	1.980	2.975	1.1	19.2
10 28	1 13.48	+ 7 4.0	2.004	2.974	5.0	19.5
11 7	1 5.45	+ 7 6.9	2.056	2.974	8.7	19.7
11 17	0 59.20	+ 7 17.0	2.134	2.973	11.9	19.9

250283 2003 HD_{58} 10 16.0 69°.78 2°.8/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 58.38	+ 4 6.8	1.224	2.071	19.7	19.8
9 18	1 52.93	+ 3 47.9	1.179	2.094	15.2	19.6
9 28	1 44.35	+ 3 20.7	1.152	2.117	10.0	19.4
10 8	1 33.66	+ 2 51.0	1.149	2.140	4.7	19.2
10 18	1 22.27	+ 2 25.4	1.172	2.163	3.5	19.2
10 28	1 11.76	+ 2 10.5	1.220	2.187	8.1	19.5
11 7	1 3.42	+ 2 10.6	1.293	2.209	12.8	19.8
11 17	0 58.00	+ 2 27.2	1.387	2.232	16.8	20.1

219232 1999 VT_{166} 10 16.0 185°.03 3°.4/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.12	+22 45.1	2.400	3.160	13.8	20.0
9 18	1 43.28	+22 35.4	2.309	3.160	11.4	19.8
9 28	1 37.61	+22 8.6	2.239	3.159	8.5	19.6
10 8	1 30.61	+21 25.3	2.193	3.159	5.6	19.5
10 18	1 22.99	+20 27.4	2.175	3.159	3.5	19.3
10 28	1 15.58	+19 19.7	2.187	3.159	4.5	19.4
11 7	1 9.16	+18 8.1	2.227	3.158	7.3	19.6
11 17	1 4.34	+16 59.0	2.293	3.157	10.2	19.8

172618 2003 WH_{139} 10 16.0 25°.40 8°.8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.09	−12 24.9	1.591	2.436	16.0	19.2
9 18	1 49.18	−13 13.6	1.537	2.440	13.1	19.0
9 28	1 41.71	−13 54.3	1.505	2.445	10.4	18.9
10 8	1 32.48	−14 18.7	1.496	2.450	8.9	18.8
10 18	1 22.56	−14 20.3	1.512	2.455	9.5	18.9
10 28	1 13.19	−13 55.4	1.553	2.461	11.8	19.0
11 7	1 5.46	−13 4.4	1.617	2.468	14.6	19.2
11 17	1 0.08	−11 50.8	1.702	2.474	17.3	19.4

107116 2001 AB_{39} 10 16.0 333°.62 3°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.88	+ 8 23.6	1.409	2.265	17.1	18.3
9 18	1 41.04	+ 6 48.4	1.332	2.255	13.2	18.1
9 28	1 36.64	+ 4 53.4	1.276	2.245	8.7	17.8
10 8	1 30.33	+ 2 46.8	1.244	2.236	4.2	17.5
10 18	1 23.06	+ 0 40.1	1.238	2.227	4.1	17.5
10 28	1 16.07	− 1 13.6	1.258	2.219	8.6	17.7
11 7	1 10.52	− 2 43.9	1.303	2.212	13.3	18.0
11 17	1 7.23	− 3 44.9	1.368	2.206	17.4	18.2

191470 2003 SM_{286} 10 16.0 66°.81 7°.4/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 59.57	+30 4.9	2.273	2.971	16.1	19.9
9 18	1 53.22	+31 24.9	2.200	2.992	13.9	19.8
9 28	1 44.41	+32 26.7	2.148	3.013	11.4	19.7
10 8	1 33.77	+33 6.5	2.119	3.034	9.1	19.6
10 18	1 22.22	+33 22.3	2.117	3.055	7.6	19.5
10 28	1 10.93	+33 15.5	2.142	3.075	7.6	19.5
11 7	1 1.01	+32 50.8	2.195	3.096	9.1	19.7
11 17	0 53.27	+32 15.2	2.274	3.117	11.1	19.8

435080 2007 BW_{42} 10 16.0 174°.98 1°.2/14.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.94	+ 8 20.1	1.882	2.703	14.9	22.8
9 18	1 47.30	+ 7 43.8	1.804	2.705	11.5	22.5
9 28	1 40.43	+ 6 56.2	1.748	2.707	7.6	22.3
10 8	1 31.93	+ 6 1.5	1.717	2.708	3.4	22.1
10 18	1 22.69	+ 5 5.1	1.715	2.709	1.9	22.0
10 28	1 13.75	+ 4 13.4	1.742	2.709	6.0	22.2
11 7	1 6.10	+ 3 32.3	1.796	2.709	10.0	22.5
11 17	1 0.45	+ 3 5.6	1.874	2.708	13.5	22.7

444545 2006 SR_{262} 10 16.0 27°.47 0°.4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.69	+11 13.9	1.635	2.467	16.2	21.3
9 18	1 43.51	+10 38.5	1.567	2.474	12.6	21.1
9 28	1 38.01	+ 9 48.4	1.521	2.481	8.4	20.9
10 8	1 30.85	+ 8 47.7	1.498	2.489	3.8	20.6
10 18	1 22.96	+ 7 42.5	1.502	2.498	1.2	20.4
10 28	1 15.46	+ 6 40.4	1.533	2.506	5.8	20.8
11 7	1 9.34	+ 5 48.4	1.590	2.516	10.2	21.1
11 17	1 5.31	+ 5 11.4	1.670	2.525	13.9	21.3

104571 2000 GF_{78} 10 16.0 270°.11 1°.2/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.97	+ 9 11.3	1.634	2.466	16.3	20.0
9 18	1 46.33	+ 8 35.3	1.545	2.452	12.7	19.7
9 28	1 40.11	+ 7 45.1	1.477	2.439	8.5	19.5
10 8	1 31.91	+ 6 44.5	1.433	2.425	3.8	19.2
10 18	1 22.68	+ 5 39.7	1.416	2.411	1.9	19.0
10 28	1 13.61	+ 4 38.7	1.426	2.396	6.7	19.3
11 7	1 5.89	+ 3 49.1	1.463	2.382	11.4	19.5
11 17	1 0.42	+ 3 16.3	1.522	2.368	15.5	19.7

516147 2015 XK_{41} 10 16.0 76°.06 4°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.15	− 3 47.4	2.233	3.070	12.3	21.1
9 18	1 44.65	− 4 29.2	2.171	3.079	9.6	21.0
9 28	1 38.39	− 5 11.4	2.133	3.088	6.7	20.8
10 8	1 30.92	− 5 48.6	2.121	3.097	4.7	20.7
10 18	1 22.96	− 6 16.3	2.137	3.107	5.1	20.7
10 28	1 15.33	− 6 30.3	2.181	3.116	7.4	20.9
11 7	1 8.77	− 6 28.5	2.251	3.125	10.1	21.1
11 17	1 3.83	− 6 10.6	2.346	3.134	12.6	21.3

408050 2012 FD_{73} 10 16.0 213°.88 3°.7/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 45.94	+ 0 13.7	2.330	3.167	11.8	20.9
9 18	1 42.23	− 0 49.4	2.255	3.166	9.1	20.7
9 28	1 36.84	− 1 56.9	2.205	3.165	6.2	20.5
10 8	1 30.26	− 3 3.6	2.181	3.164	3.9	20.4
10 18	1 23.14	− 4 3.8	2.186	3.162	4.3	20.4
10 28	1 16.25	− 4 52.2	2.219	3.161	6.9	20.5
11 7	1 10.30	− 5 25.0	2.280	3.159	9.7	20.7
11 17	1 5.83	− 5 40.3	2.363	3.158	12.4	20.9

297857 2002 CU_{27} 10 16.0 164°.22 2°.6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.84	+ 3 49.2	1.924	2.754	14.3	20.0
9 18	1 47.13	+ 3 10.6	1.850	2.757	11.0	19.8
9 28	1 40.27	+ 2 24.9	1.799	2.760	7.3	19.6
10 8	1 31.86	+ 1 36.9	1.773	2.763	3.7	19.4
10 18	1 22.76	+ 0 52.2	1.776	2.765	3.2	19.4
10 28	1 13.98	+ 0 16.4	1.808	2.767	6.7	19.6
11 7	1 6.46	− 0 5.9	1.866	2.768	10.4	19.8
11 17	1 0.87	− 0 12.5	1.948	2.769	13.6	20.0

118183 1993 FQ_{22} 10 16.0 173°.69 0°.8/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.01	+13 35.5	1.935	2.737	15.2	21.2
9 18	1 48.15	+13 17.2	1.853	2.740	12.0	21.0
9 28	1 41.02	+12 44.6	1.792	2.742	8.2	20.7
10 8	1 32.23	+11 59.9	1.757	2.744	4.0	20.5
10 18	1 22.67	+11 7.2	1.750	2.745	1.0	20.3
10 28	1 13.39	+10 12.4	1.771	2.746	5.1	20.6
11 7	1 5.40	+ 9 22.0	1.821	2.746	9.2	20.8
11 17	0 59.43	+ 8 41.4	1.896	2.745	12.8	21.0

285677 2000 SS_{136} 10 16.1 42°.61 2°.5/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.22	+17 35.0	1.023	1.865	23.1	20.2
9 18	1 47.32	+17 18.6	0.979	1.885	18.4	20.0
9 28	1 40.98	+16 34.7	0.951	1.907	12.8	19.7
10 8	1 32.27	+15 26.9	0.944	1.930	6.8	19.5
10 18	1 22.70	+14 3.4	0.959	1.954	2.5	19.3
10 28	1 14.01	+12 36.3	0.998	1.978	6.8	19.7
11 7	1 7.60	+11 18.1	1.061	2.003	12.1	20.1
11 17	1 4.25	+10 17.8	1.144	2.028	16.7	20.4

218785 2005 YY_{13} 10 16.1 269°.87 1°.6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.35	+ 6 4.4	2.314	3.138	12.4	20.7
9 18	1 43.46	+ 5 30.4	2.221	3.125	9.6	20.5
9 28	1 37.76	+ 4 48.3	2.152	3.112	6.3	20.3
10 8	1 30.73	+ 4 1.9	2.109	3.099	2.9	20.1
10 18	1 23.03	+ 3 15.4	2.095	3.086	2.2	20.0
10 28	1 15.47	+ 2 33.9	2.110	3.073	5.5	20.2
11 7	1 8.83	+ 2 1.9	2.152	3.060	8.9	20.4
11 17	1 3.73	+ 1 42.5	2.220	3.047	12.0	20.6

219241 1999 XW_{29} 10 16.1 4°.34 8°.8/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.70	−10 46.1	1.531	2.393	15.7	19.0
9 18	1 43.63	−11 54.4	1.479	2.393	12.7	18.8
9 28	1 38.12	−12 56.9	1.447	2.394	10.1	18.6
10 8	1 30.92	−13 44.5	1.439	2.396	8.8	18.6
10 18	1 23.01	−14 9.7	1.454	2.399	9.7	18.6
10 28	1 15.55	−14 7.3	1.493	2.404	12.1	18.8
11 7	1 9.55	−13 36.7	1.555	2.409	14.9	19.0
11 17	1 5.73	−12 40.4	1.635	2.416	17.6	19.2

237269 2008 WR_{105} 10 16.1 131°.75 0°.9/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.48	+13 22.7	1.785	2.597	15.9	21.0
9 18	1 46.39	+13 10.0	1.705	2.598	12.6	20.8
9 28	1 39.95	+12 42.8	1.647	2.599	8.6	20.5
10 8	1 31.78	+12 3.1	1.613	2.600	4.2	20.3
10 18	1 22.79	+11 15.1	1.606	2.601	1.1	20.1
10 28	1 14.09	+10 24.8	1.627	2.602	5.3	20.4
11 7	1 6.71	+ 9 39.0	1.675	2.603	9.5	20.6
11 17	1 1.43	+ 9 3.1	1.747	2.604	13.3	20.9

511131 2013 XM_{9} 10 16.1 265°.99 3°.5/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.55	+ 1 5.5	1.726	2.559	15.5	21.8
9 18	1 50.59	+ 0 45.0	1.632	2.540	12.1	21.5
9 28	1 42.97	+ 0 19.5	1.561	2.521	8.3	21.2
10 8	1 33.26	− 0 6.0	1.514	2.502	4.5	21.0
10 18	1 22.41	− 0 26.1	1.495	2.482	4.1	20.9
10 28	1 11.66	− 0 35.1	1.504	2.461	7.9	21.1
11 7	1 2.25	− 0 29.1	1.539	2.441	12.2	21.3
11 17	0 55.10	− 0 6.1	1.597	2.420	16.0	21.5

492794 2014 QC_{240} 10 16.1 312°.71 5°.0/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.04	+23 17.0	2.136	2.896	15.3	21.2
9 18	1 46.03	+23 55.3	2.036	2.883	12.8	21.0
9 28	1 39.78	+24 17.9	1.956	2.870	10.0	20.8
10 8	1 31.77	+24 22.8	1.900	2.857	7.0	20.6
10 18	1 22.78	+24 9.9	1.870	2.844	5.1	20.5
10 28	1 13.83	+23 41.5	1.867	2.832	5.9	20.5
11 7	1 5.97	+23 2.9	1.892	2.820	8.6	20.6
11 17	1 0.00	+22 20.6	1.942	2.809	11.7	20.8

236875 2007 RQ_{277} 10 16.1 26°.39 7°.6/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 45.06	−12 27.7	2.197	3.041	12.2	19.7
9 18	1 41.62	−13 52.8	2.146	3.047	10.0	19.5
9 28	1 36.44	−15 12.6	2.120	3.053	8.2	19.4
10 8	1 30.08	−16 20.0	2.119	3.060	7.6	19.4
10 18	1 23.23	−17 8.7	2.145	3.067	8.4	19.5
10 28	1 16.70	−17 34.7	2.195	3.074	10.2	19.6
11 7	1 11.20	−17 36.5	2.269	3.082	12.3	19.8
11 17	1 7.27	−17 15.5	2.364	3.090	14.3	19.9

436582 2011 HF_{100} 10 16.1 267°.26 4°.9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.31	+ 0 24.4	1.636	2.486	15.4	21.2
9 18	1 45.64	− 0 44.5	1.562	2.479	12.0	21.0
9 28	1 39.53	− 2 0.6	1.509	2.472	8.2	20.7
10 8	1 31.62	− 3 16.4	1.481	2.465	5.2	20.5
10 18	1 22.84	− 4 23.3	1.480	2.458	5.7	20.6
10 28	1 14.36	− 5 13.4	1.505	2.451	9.1	20.7
11 7	1 7.23	− 5 41.5	1.555	2.444	12.9	21.0
11 17	1 2.27	− 5 45.7	1.626	2.437	16.4	21.2

93605 2000 UR_{58} 10 16.1 50°.96 3°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.19	+22 17.6	1.471	2.270	19.3	18.7
9 18	1 44.21	+21 30.5	1.406	2.285	15.6	18.5
9 28	1 38.60	+20 15.6	1.360	2.300	11.3	18.3
10 8	1 31.16	+18 35.8	1.337	2.316	6.6	18.1
10 18	1 22.98	+16 38.1	1.340	2.332	3.1	17.9
10 28	1 15.35	+14 33.7	1.370	2.348	5.6	18.1
11 7	1 9.37	+12 34.9	1.426	2.365	10.0	18.4
11 17	1 5.74	+10 51.9	1.507	2.381	14.0	18.7

397248 2006 QD_{23} 10 16.1 50°.17 5°.5/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.48	− 3 12.2	1.512	2.362	16.5	19.8
9 18	1 48.53	− 3 56.3	1.474	2.389	12.7	19.7
9 28	1 41.14	− 4 40.3	1.456	2.416	8.8	19.5
10 8	1 32.18	− 5 17.0	1.464	2.444	5.9	19.4
10 18	1 22.76	− 5 40.1	1.497	2.471	6.2	19.5
10 28	1 14.06	− 5 45.2	1.556	2.499	9.1	19.8
11 7	1 7.05	− 5 30.6	1.640	2.528	12.4	20.0
11 17	1 2.34	− 4 57.3	1.746	2.556	15.4	20.3

247200 2001 OZ_{103} 10 16.1 99°.14 3°.5/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.13	+ 5 5.0	1.350	2.194	18.4	20.1
9 18	1 50.25	+ 3 59.4	1.300	2.215	14.1	19.9
9 28	1 42.54	+ 2 42.9	1.270	2.234	9.2	19.7
10 8	1 32.90	+ 1 23.3	1.264	2.253	4.6	19.5
10 18	1 22.58	+ 0 10.1	1.284	2.272	4.2	19.5
10 28	1 12.97	− 0 47.9	1.331	2.290	8.5	19.8
11 7	1 5.25	− 1 24.8	1.402	2.308	12.8	20.1
11 17	1 0.15	− 1 38.5	1.495	2.325	16.6	20.4

147368 2003 CP_{21} 10 16.1 262°.06 1°.0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.84	+ 8 40.8	2.060	2.883	13.7	20.8
9 18	1 44.00	+ 8 6.8	1.978	2.881	10.6	20.6
9 28	1 38.18	+ 7 22.3	1.919	2.879	7.0	20.3
10 8	1 30.94	+ 6 30.9	1.886	2.877	3.1	20.1
10 18	1 23.02	+ 5 37.5	1.881	2.875	1.6	20.0
10 28	1 15.34	+ 4 47.8	1.904	2.873	5.4	20.2
11 7	1 8.75	+ 4 7.2	1.955	2.871	9.2	20.5
11 17	1 3.89	+ 3 39.4	2.031	2.869	12.5	20.7

22393 1994 QV 10 16.1 12°.44 7°.9/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.55	+19 10.2	1.074	1.900	23.3	16.3
9 18	1 51.21	+21 13.2	1.019	1.907	19.4	16.0
9 28	1 44.06	+22 57.8	0.979	1.916	14.9	15.8
10 8	1 33.93	+24 17.3	0.960	1.927	10.5	15.6
10 18	1 22.29	+25 6.9	0.963	1.941	8.0	15.5
10 28	1 11.16	+25 28.0	0.988	1.956	9.3	15.6
11 7	1 2.38	+25 28.0	1.036	1.973	13.0	15.9
11 17	0 57.11	+25 17.2	1.105	1.992	16.9	16.2

71650 2000 ER_{113} 10 16.1 287°.04 0°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.01	+12 43.4	2.323	3.128	12.9	19.9
9 18	1 43.28	+12 27.5	2.224	3.114	10.2	19.7
9 28	1 37.70	+12 0.1	2.147	3.099	7.0	19.4
10 8	1 30.75	+11 23.0	2.096	3.084	3.4	19.2
10 18	1 23.07	+10 39.5	2.073	3.069	0.8	18.9
10 28	1 15.49	+ 9 54.0	2.080	3.054	4.4	19.2
11 7	1 8.83	+ 9 11.7	2.114	3.039	8.1	19.4
11 17	1 3.73	+ 8 37.2	2.174	3.024	11.3	19.6

3705 Hotellasilla 10 16.1 352°.06 0°.6/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.40	+ 9 31.2	1.790	2.624	15.0	16.6
9 18	1 42.45	+ 9 6.2	1.711	2.619	11.7	16.4
9 28	1 37.32	+ 8 29.2	1.653	2.615	7.8	16.1
10 8	1 30.61	+ 7 43.7	1.620	2.611	3.5	15.9
10 18	1 23.12	+ 6 54.7	1.613	2.608	1.3	15.7
10 28	1 15.87	+ 6 8.5	1.634	2.606	5.7	16.0
11 7	1 9.82	+ 5 31.1	1.680	2.604	9.8	16.2
11 17	1 5.68	+ 5 6.8	1.751	2.604	13.4	16.5

450334 2004 TM_{107} 10 16.1 324°.36 0°.2/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.32	+10 4.5	2.090	2.903	13.9	21.7
9 18	1 45.96	+10 7.5	2.004	2.899	10.9	21.5
9 28	1 39.54	+10 1.1	1.940	2.895	7.3	21.3
10 8	1 31.60	+ 9 47.4	1.901	2.891	3.4	21.0
10 18	1 22.90	+ 9 29.1	1.891	2.887	0.8	20.8
10 28	1 14.39	+ 9 10.1	1.910	2.883	4.8	21.1
11 7	1 6.97	+ 8 54.9	1.956	2.880	8.7	21.3
11 17	1 1.35	+ 8 47.1	2.027	2.876	12.0	21.6

308070 2004 TE_{207} 10 16.1 26°.61 3°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.96	+ 1 25.3	1.468	2.320	16.8	19.1
9 18	1 46.82	+ 1 13.5	1.420	2.339	12.9	18.9
9 28	1 40.17	+ 0 57.6	1.393	2.358	8.5	18.7
10 8	1 31.83	+ 0 42.7	1.390	2.379	4.4	18.5
10 18	1 22.89	+ 0 33.9	1.413	2.401	3.8	18.5
10 28	1 14.55	+ 0 35.7	1.462	2.424	7.5	18.8
11 7	1 7.86	+ 0 50.9	1.535	2.448	11.4	19.1
11 17	1 3.46	+ 1 20.1	1.632	2.472	14.9	19.4

433990 2000 EX_{188} 10 16.1 130°.98 2°.4/13.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.15	+ 5 50.6	1.870	2.697	14.7	22.0
9 18	1 47.34	+ 4 55.1	1.804	2.710	11.3	21.8
9 28	1 40.37	+ 3 50.3	1.762	2.723	7.4	21.6
10 8	1 31.92	+ 2 41.5	1.745	2.735	3.6	21.4
10 18	1 22.85	+ 1 35.3	1.757	2.747	3.0	21.4
10 28	1 14.21	+ 0 38.5	1.798	2.758	6.6	21.7
11 7	1 6.90	− 0 3.6	1.865	2.768	10.3	21.9
11 17	1 1.57	− 0 28.3	1.957	2.778	13.6	22.2

226148 2002 RP_{255} 10 16.1 138°.13 4°.3/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.91	+27 32.4	2.822	3.542	12.8	21.0
9 18	1 43.65	+27 31.6	2.733	3.550	10.8	20.8
9 28	1 37.75	+27 14.2	2.665	3.558	8.5	20.7
10 8	1 30.71	+26 40.0	2.621	3.565	6.2	20.5
10 18	1 23.15	+25 50.2	2.605	3.572	4.5	20.4
10 28	1 15.80	+24 48.2	2.619	3.579	4.7	20.5
11 7	1 9.37	+23 39.1	2.661	3.586	6.6	20.6
11 17	1 4.38	+22 28.6	2.731	3.592	8.9	20.8

320225 2007 HJ_{80} 10 16.1 57°.81 2°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.59	+ 5 37.0	2.105	2.938	13.1	20.4
9 18	1 42.10	+ 4 33.7	2.038	2.948	10.0	20.2
9 28	1 36.81	+ 3 21.9	1.996	2.959	6.5	20.1
10 8	1 30.29	+ 2 6.9	1.979	2.969	3.2	19.9
10 18	1 23.25	+ 0 54.8	1.991	2.980	3.0	19.9
10 28	1 16.53	− 0 8.2	2.032	2.990	6.1	20.1
11 7	1 10.87	− 0 57.1	2.100	3.001	9.4	20.3
11 17	1 6.82	− 1 29.0	2.192	3.012	12.3	20.5

328646 2009 SW_{233} 10 16.1 42°.72 0°.5/16.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.75	+13 4.9	1.140	1.986	21.0	20.3
9 18	1 47.37	+12 41.5	1.095	2.007	16.4	20.1
9 28	1 40.86	+11 57.9	1.068	2.029	11.0	19.9
10 8	1 32.22	+10 59.0	1.062	2.052	5.1	19.6
10 18	1 22.82	+ 9 52.4	1.080	2.076	1.1	19.4
10 28	1 14.20	+ 8 48.3	1.124	2.101	6.7	19.9
11 7	1 7.66	+ 7 55.7	1.191	2.125	11.9	20.2
11 17	1 3.92	+ 7 20.7	1.279	2.151	16.2	20.6

121582 1999 VT_{101} 10 16.1 315°.71 1°.7/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.30	+ 5 33.2	2.022	2.853	13.6	20.2
9 18	1 44.46	+ 5 11.8	1.936	2.843	10.6	20.0
9 28	1 38.58	+ 4 42.8	1.872	2.834	7.0	19.7
10 8	1 31.19	+ 4 9.9	1.834	2.825	3.2	19.5
10 18	1 23.04	+ 3 37.3	1.824	2.816	2.2	19.4
10 28	1 15.07	+ 3 10.1	1.842	2.808	5.9	19.6
11 7	1 8.18	+ 2 52.8	1.887	2.799	9.6	19.8
11 17	1 3.07	+ 2 48.2	1.955	2.791	13.0	20.0

195143 2002 CS_{194} 10 16.1 113°.22 1°.6/14.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.18	+ 7 37.5	1.725	2.557	15.6	20.4
9 18	1 46.14	+ 6 57.9	1.653	2.561	12.0	20.2
9 28	1 39.77	+ 6 7.0	1.602	2.564	7.9	19.9
10 8	1 31.73	+ 5 9.5	1.577	2.568	3.6	19.7
10 18	1 22.94	+ 4 11.3	1.578	2.571	2.3	19.6
10 28	1 14.49	+ 3 19.7	1.608	2.575	6.4	19.9
11 7	1 7.40	+ 2 40.4	1.663	2.578	10.6	20.1
11 17	1 2.39	+ 2 17.4	1.743	2.581	14.2	20.4

144996 2005 EA_{188} 10 16.1 176°.88 1°.4/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.44	+14 16.3	1.881	2.678	15.8	21.6
9 18	1 50.18	+14 11.5	1.797	2.680	12.6	21.4
9 28	1 42.48	+13 52.3	1.735	2.682	8.7	21.1
10 8	1 32.99	+13 20.3	1.698	2.683	4.4	20.9
10 18	1 22.63	+12 38.6	1.689	2.684	1.4	20.7
10 28	1 12.56	+11 52.6	1.709	2.683	5.2	20.9
11 7	1 3.85	+11 9.0	1.757	2.682	9.3	21.2
11 17	0 57.28	+10 33.2	1.829	2.681	13.0	21.4

479508 2014 BA_{10} 10 16.1 335°.49 2°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.41	+13 24.1	1.284	2.121	19.6	20.9
9 18	1 47.46	+13 49.2	1.205	2.110	15.7	20.6
9 28	1 41.35	+13 58.5	1.143	2.100	11.1	20.3
10 8	1 32.70	+13 52.3	1.103	2.090	5.8	20.0
10 18	1 22.68	+13 33.0	1.087	2.082	2.2	19.7
10 28	1 12.85	+13 6.3	1.096	2.074	6.6	20.0
11 7	1 4.75	+12 40.2	1.129	2.068	11.9	20.3
11 17	0 59.50	+12 21.7	1.183	2.062	16.7	20.5

194874 2002 AV_{56} 10 16.1 99°.84 5°.6/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.09	+27 17.2	1.983	2.718	17.1	20.1
9 18	1 49.77	+27 34.3	1.915	2.742	14.3	19.9
9 28	1 42.08	+27 29.6	1.867	2.765	11.2	19.8
10 8	1 32.73	+27 1.9	1.841	2.788	8.1	19.6
10 18	1 22.72	+26 12.5	1.841	2.810	5.9	19.5
10 28	1 13.17	+25 6.6	1.870	2.832	6.2	19.6
11 7	1 5.11	+23 51.7	1.927	2.853	8.6	19.8
11 17	0 59.25	+22 36.2	2.009	2.873	11.5	20.0

386935 2011 OE_{3} 10 16.1 79°.44 6°.8/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.63	+27 58.0	1.817	2.557	18.3	20.7
9 18	1 49.78	+28 39.4	1.748	2.574	15.5	20.5
9 28	1 42.31	+28 58.3	1.697	2.592	12.3	20.4
10 8	1 32.92	+28 52.0	1.667	2.609	9.2	20.2
10 18	1 22.66	+28 20.8	1.663	2.626	7.0	20.1
10 28	1 12.83	+27 28.7	1.686	2.643	7.2	20.2
11 7	1 4.58	+26 23.5	1.735	2.660	9.5	20.3
11 17	0 58.71	+25 14.3	1.809	2.677	12.4	20.6

287064 2002 RJ_{12} 10 16.1 42°.22 4°.1/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.76	+18 36.5	1.615	2.410	18.0	19.8
9 18	1 49.25	+19 16.0	1.547	2.422	14.7	19.6
9 28	1 42.03	+19 38.4	1.498	2.434	10.8	19.4
10 8	1 32.83	+19 42.6	1.472	2.446	6.7	19.2
10 18	1 22.71	+19 29.8	1.472	2.459	4.1	19.1
10 28	1 12.99	+19 4.3	1.498	2.472	5.9	19.2
11 7	1 4.88	+18 32.8	1.551	2.485	9.7	19.5
11 17	0 59.20	+18 2.2	1.628	2.499	13.3	19.7

409040 2003 QZ_{119} 10 16.1 9°.28 1°.7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.74	+ 9 15.1	1.692	2.535	15.3	20.2
9 18	1 40.43	+ 8 9.4	1.623	2.537	11.8	20.0
9 28	1 35.99	+ 6 49.3	1.575	2.541	7.7	19.8
10 8	1 30.02	+ 5 20.7	1.553	2.545	3.4	19.5
10 18	1 23.39	+ 3 51.5	1.557	2.550	2.4	19.5
10 28	1 17.07	+ 2 30.1	1.589	2.556	6.5	19.7
11 7	1 11.99	+ 1 24.0	1.646	2.563	10.5	20.0
11 17	1 8.79	+ 0 37.6	1.727	2.570	14.0	20.2

385409 2002 XO_{66} 10 16.1 359°.96 3°.7/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.27	+17 36.0	0.940	1.803	23.1	19.9
9 18	1 40.25	+17 50.9	0.879	1.797	18.7	19.7
9 28	1 36.81	+17 37.9	0.834	1.794	13.5	19.4
10 8	1 30.69	+16 57.4	0.807	1.793	7.8	19.1
10 18	1 23.21	+15 54.4	0.800	1.794	3.7	18.8
10 28	1 16.18	+14 39.7	0.815	1.797	7.2	19.1
11 7	1 11.20	+13 27.0	0.851	1.803	12.8	19.4
11 17	1 9.33	+12 27.7	0.906	1.810	18.0	19.7

11186 1998 HC_{120} 10 16.1 315°.62 8°.0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.20	− 4 51.5	1.476	2.343	15.9	17.0
9 18	1 42.81	− 6 43.4	1.404	2.327	12.6	16.7
9 28	1 37.87	− 8 40.7	1.354	2.312	9.5	16.5
10 8	1 31.00	−10 31.9	1.328	2.297	8.0	16.4
10 18	1 23.15	−12 5.1	1.327	2.282	9.3	16.4
10 28	1 15.54	−13 10.3	1.350	2.268	12.5	16.6
11 7	1 9.32	−13 42.1	1.396	2.255	16.0	16.8
11 17	1 5.34	−13 40.3	1.459	2.242	19.2	16.9

356440 2010 WV_{68} 10 16.1 13°.56 1°.9/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.56	+20 17.1	4.135	4.888	8.5	20.9
9 18	1 38.26	+20 11.5	4.040	4.889	6.9	20.8
9 28	1 33.96	+19 57.0	3.968	4.890	5.1	20.7
10 8	1 28.97	+19 34.2	3.922	4.890	3.2	20.5
10 18	1 23.66	+19 4.5	3.906	4.891	2.0	20.4
10 28	1 18.44	+18 30.0	3.920	4.892	2.7	20.5
11 7	1 13.73	+17 53.3	3.964	4.893	4.5	20.6
11 17	1 9.87	+17 17.2	4.037	4.894	6.4	20.8

76895 2000 YX_{103} 10 16.1 239°.06 4°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.99	+ 1 40.2	1.626	2.470	15.8	19.5
9 18	1 47.82	+ 0 43.0	1.547	2.461	12.3	19.2
9 28	1 41.10	− 0 22.3	1.489	2.452	8.3	19.0
10 8	1 32.44	− 1 28.8	1.456	2.443	4.8	18.8
10 18	1 22.83	− 2 28.8	1.450	2.433	5.0	18.8
10 28	1 13.47	− 3 14.3	1.471	2.423	8.6	19.0
11 7	1 5.53	− 3 39.8	1.517	2.413	12.7	19.2
11 17	0 59.83	− 3 43.2	1.585	2.402	16.4	19.4

124010 2001 FT_{91} 10 16.1 142°.55 1°.5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 48.75	+ 5 25.7	2.607	3.424	11.3	20.3
9 18	1 44.21	+ 4 59.7	2.531	3.430	8.7	20.1
9 28	1 38.10	+ 4 27.9	2.478	3.437	5.7	19.9
10 8	1 30.90	+ 3 53.4	2.453	3.443	2.7	19.7
10 18	1 23.21	+ 3 19.7	2.457	3.449	1.9	19.7
10 28	1 15.76	+ 2 50.8	2.492	3.454	4.8	19.9
11 7	1 9.20	+ 2 29.9	2.555	3.460	7.8	20.1
11 17	1 4.05	+ 2 19.2	2.643	3.465	10.4	20.3

266988 2010 XF_{35} 10 16.1 288°.76 2°.8/11.0 18

9 8	1 41.23	− 4 45.4	4.294	5.121	7.0	20.2
9 18	1 37.89	− 5 17.0	4.214	5.116	5.5	20.1
9 28	1 33.66	− 5 48.5	4.160	5.111	3.9	20.0
10 8	1 28.82	− 6 17.2	4.134	5.107	2.9	19.9
10 18	1 23.71	− 6 40.8	4.138	5.102	3.2	19.9
10 28	1 18.69	− 6 57.2	4.172	5.097	4.5	20.0
11 7	1 14.14	− 7 4.8	4.234	5.093	6.1	20.1
11 17	1 10.35	− 7 2.9	4.321	5.088	7.6	20.3

76468 2000 FY_{55} 10 16.1 297°.58 3°.6/12.4 18

9 8	1 45.51	+ 4 30.8	1.770	2.616	14.6	19.6
9 18	1 42.63	+ 3 7.8	1.684	2.601	11.3	19.4
9 28	1 37.55	+ 1 32.3	1.621	2.586	7.5	19.2
10 8	1 30.81	− 0 8.6	1.583	2.572	4.2	18.9
10 18	1 23.22	− 1 46.3	1.573	2.557	4.5	18.9
10 28	1 15.81	− 3 11.5	1.591	2.543	8.1	19.1
11 7	1 9.57	− 4 16.8	1.634	2.529	12.0	19.3
11 17	1 5.24	− 4 58.2	1.699	2.515	15.5	19.5

289400 2005 CM_{46} 10 16.1 129°.14 1°.2/17.0 17

9 8	1 54.68	+14 8.0	1.623	2.432	17.4	21.3
9 18	1 49.83	+13 56.3	1.552	2.442	13.7	21.1
9 28	1 42.35	+13 28.2	1.501	2.452	9.4	20.9
10 8	1 32.97	+12 45.9	1.475	2.462	4.7	20.6
10 18	1 22.75	+11 53.9	1.475	2.471	1.3	20.4
10 28	1 12.96	+10 59.1	1.504	2.479	5.6	20.7
11 7	1 4.76	+10 9.0	1.559	2.487	10.1	21.0
11 17	0 58.95	+ 9 29.7	1.638	2.495	14.0	21.3

159502 2000 WW_{31} 10 16.1 7°.09 9°.2/10.4 18

9 8	1 48.71	− 8 21.2	1.173	2.048	18.5	18.4
9 18	1 45.88	− 9 24.3	1.124	2.049	14.9	18.1
9 28	1 40.01	−10 22.9	1.093	2.050	11.4	18.0
10 8	1 31.97	−11 6.4	1.084	2.054	9.3	17.9
10 18	1 23.02	−11 25.1	1.097	2.058	10.0	17.9
10 28	1 14.66	−11 13.4	1.133	2.064	13.0	18.1
11 7	1 8.20	−10 30.7	1.190	2.072	16.6	18.3
11 17	1 4.44	− 9 20.7	1.265	2.080	19.9	18.6

305282 2007 YG_{67} 10 16.1 318°.48 3°.8/12.9 18

9 8	1 48.71	+ 1 33.9	1.712	2.558	15.0	20.7
9 18	1 45.13	+ 0 49.6	1.634	2.550	11.6	20.5
9 28	1 39.22	− 0 1.1	1.578	2.541	7.9	20.3
10 8	1 31.58	− 0 52.5	1.546	2.533	4.5	20.1
10 18	1 23.09	− 1 37.8	1.542	2.526	4.5	20.0
10 28	1 14.85	− 2 10.5	1.564	2.519	7.9	20.2
11 7	1 7.89	− 2 26.0	1.611	2.512	11.8	20.5
11 17	1 2.98	− 2 22.0	1.681	2.505	15.3	20.7

123601 2000 YT_{5} 10 16.1 3°.24 2°.6/14.3 18

9 8	1 52.79	+ 1 55.8	1.841	2.674	14.6	19.4
9 18	1 48.06	+ 1 53.6	1.766	2.674	11.4	19.2
9 28	1 41.04	+ 1 47.6	1.713	2.674	7.6	18.9
10 8	1 32.36	+ 1 41.7	1.686	2.675	3.8	18.7
10 18	1 22.92	+ 1 39.6	1.686	2.676	3.1	18.7
10 28	1 13.78	+ 1 45.2	1.714	2.677	6.6	18.9
11 7	1 5.95	+ 2 1.4	1.769	2.679	10.4	19.1
11 17	1 0.15	+ 2 29.4	1.848	2.681	13.8	19.4

487791 2015 RL_{238} 10 16.1 285°.00 6°.3/ 9.4 17

9 8	1 47.49	− 7 46.2	2.175	3.017	12.4	21.7
9 18	1 43.66	− 8 54.3	2.102	3.008	9.9	21.5
9 28	1 37.96	−10 1.4	2.052	3.000	7.5	21.4
10 8	1 30.93	−11 1.0	2.029	2.991	6.3	21.3
10 18	1 23.26	−11 46.7	2.032	2.982	7.0	21.3
10 28	1 15.81	−12 13.4	2.063	2.973	9.2	21.5
11 7	1 9.38	−12 18.7	2.118	2.965	11.8	21.6
11 17	1 4.59	−12 2.5	2.195	2.956	14.2	21.8

234257 2000 UE_{62} 10 16.1 326°.23 2°.1/17.6 18

9 8	1 48.39	+15 9.5	1.444	2.269	18.3	19.6
9 18	1 45.59	+15 15.8	1.358	2.256	14.8	19.4
9 28	1 39.94	+15 4.2	1.291	2.244	10.4	19.1
10 8	1 32.06	+14 35.3	1.246	2.232	5.6	18.8
10 18	1 22.96	+13 52.5	1.226	2.221	2.2	18.5
10 28	1 14.02	+13 2.3	1.232	2.210	6.1	18.7
11 7	1 6.59	+12 13.2	1.263	2.200	11.0	19.0
11 17	1 1.68	+11 33.1	1.315	2.191	15.5	19.3

193416 2000 WZ_{67} 10 16.1 31°.56 2°.9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 54.32	+14 25.8	1.286	2.112	20.1	18.9
9 18	1 50.17	+15 7.8	1.228	2.126	16.1	18.7
9 28	1 42.87	+15 33.4	1.189	2.140	11.3	18.4
10 8	1 33.29	+15 42.4	1.171	2.155	6.3	18.2
10 18	1 22.72	+15 36.7	1.178	2.171	2.9	18.0
10 28	1 12.72	+15 21.5	1.211	2.188	6.3	18.3
11 7	1 4.68	+15 3.8	1.268	2.205	11.0	18.6
11 17	0 59.49	+14 50.3	1.347	2.223	15.2	18.9

121688 1999 XA_{63} 10 16.1 288°.96 2°.2/18.5 18

9 8	1 46.20	+18 48.0	2.228	3.013	14.0	20.2
9 18	1 42.82	+18 27.7	2.129	3.001	11.3	20.0
9 28	1 37.52	+17 50.8	2.051	2.989	8.2	19.8
10 8	1 30.78	+16 58.4	1.998	2.977	4.7	19.6
10 18	1 23.30	+15 53.5	1.973	2.965	2.2	19.4
10 28	1 15.96	+14 41.6	1.977	2.953	4.4	19.5
11 7	1 9.60	+13 29.3	2.009	2.941	7.9	19.7
11 17	1 4.89	+12 22.9	2.067	2.929	11.3	19.9

58417 Belzoni 10 16.1 119°.99 0°.2/16.2 18 R

9 8	1 54.04	+11 27.0	1.386	2.216	18.8	19.2
9 18	1 49.80	+11 12.3	1.316	2.220	14.7	19.0
9 28	1 42.60	+10 41.5	1.266	2.225	10.0	18.7
10 8	1 33.18	+ 9 57.8	1.238	2.229	4.6	18.4
10 18	1 22.74	+ 9 6.7	1.237	2.233	1.0	18.2
10 28	1 12.74	+ 8 16.1	1.262	2.236	6.5	18.5
11 7	1 4.52	+ 7 34.1	1.311	2.240	11.6	18.8
11 17	0 58.96	+ 7 6.5	1.384	2.244	15.9	19.1

289270 2004 XW_{142} 10 16.1 338°.27 4°.0/12.7 18

9 8	1 49.98	− 1 44.4	2.056	2.894	13.2	20.0
9 18	1 45.66	− 2 10.9	1.980	2.889	10.2	19.8
9 28	1 39.33	− 2 39.0	1.926	2.885	7.1	19.6
10 8	1 31.56	− 3 4.2	1.899	2.882	4.4	19.5
10 18	1 23.13	− 3 21.6	1.899	2.878	4.5	19.5
10 28	1 14.94	− 3 27.0	1.927	2.875	7.3	19.6
11 7	1 7.87	− 3 18.0	1.982	2.872	10.5	19.8
11 17	1 2.57	− 2 53.5	2.060	2.869	13.4	20.0

518199 2016 PJ_{97} 10 16.1 217°.86 0°.5/16.5 18

9 8	1 53.54	+11 24.3	1.850	2.661	15.5	21.5
9 18	1 48.81	+11 21.9	1.764	2.657	12.2	21.3
9 28	1 41.67	+11 7.6	1.699	2.652	8.3	21.0
10 8	1 32.72	+10 43.2	1.659	2.647	4.0	20.8
10 18	1 22.85	+10 12.1	1.646	2.642	0.9	20.5
10 28	1 13.20	+ 9 39.4	1.663	2.637	5.3	20.8
11 7	1 4.83	+ 9 10.8	1.706	2.631	9.6	21.1
11 17	0 58.58	+ 8 51.0	1.774	2.625	13.4	21.3

393627 2004 GZ_{16} 10 16.1 121°.63 3°.8/11.6 18

9 8	1 47.99	+ 0 21.3	2.399	3.231	11.7	21.3
9 18	1 43.69	− 0 57.5	2.339	3.246	9.0	21.1
9 28	1 37.77	− 2 20.3	2.303	3.261	6.1	21.0
10 8	1 30.77	− 3 41.4	2.295	3.276	4.0	20.8
10 18	1 23.34	− 4 54.8	2.317	3.290	4.4	20.9
10 28	1 16.22	− 5 55.1	2.368	3.304	6.8	21.1
11 7	1 10.08	− 6 38.7	2.446	3.318	9.5	21.3
11 17	1 5.42	− 7 4.1	2.548	3.330	11.9	21.5

116939 Jonstewart 10 16.1 148°.23 0°.1/16.0 18

9 8	1 51.28	+12 44.2	1.921	2.729	15.1	20.4
9 18	1 46.78	+11 56.5	1.845	2.738	11.8	20.2
9 28	1 40.11	+10 53.8	1.792	2.746	7.9	20.0
10 8	1 31.92	+ 9 39.8	1.764	2.754	3.6	19.8
10 18	1 23.06	+ 8 20.4	1.765	2.761	0.9	19.6
10 28	1 14.56	+ 7 2.8	1.795	2.767	5.3	19.9
11 7	1 7.34	+ 5 54.2	1.853	2.773	9.3	20.2
11 17	1 2.06	+ 5 0.0	1.936	2.778	12.8	20.4

388976 2008 UB_{27} 10 16.1 227°.84 3°.9/13.4 18

9 8	1 56.23	− 1 10.8	1.808	2.639	15.0	21.3
9 18	1 50.80	− 1 25.6	1.730	2.636	11.7	21.1
9 28	1 42.92	− 1 42.2	1.675	2.633	8.0	20.9
10 8	1 33.26	− 1 55.8	1.645	2.630	4.7	20.7
10 18	1 22.74	− 2 1.7	1.643	2.626	4.5	20.7
10 28	1 12.54	− 1 55.4	1.670	2.623	7.7	20.9
11 7	1 3.73	− 1 34.7	1.723	2.619	11.4	21.1
11 17	0 57.08	− 0 59.0	1.799	2.615	14.8	21.3

352336 2007 VC_{14} 10 16.1 274°.71 1°.3/15.1 18

9 8	1 50.71	+ 7 15.5	1.859	2.685	14.8	21.2
9 18	1 46.53	+ 6 55.5	1.776	2.680	11.5	21.0
9 28	1 40.09	+ 6 26.1	1.715	2.675	7.6	20.8
10 8	1 31.98	+ 5 50.6	1.679	2.670	3.4	20.5
10 18	1 23.04	+ 5 13.7	1.670	2.665	1.8	20.4
10 28	1 14.33	+ 4 41.0	1.690	2.659	5.9	20.6
11 7	1 6.84	+ 4 17.6	1.737	2.654	10.0	20.9
11 17	1 1.34	+ 4 7.1	1.807	2.649	13.6	21.1

153454 2001 QC_{290} 10 16.1 328°.13 5°.3/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.67	+21 10.1	1.425	2.226	19.8	19.3
9 18	1 47.55	+21 45.5	1.342	2.218	16.4	19.1
9 28	1 41.37	+21 59.6	1.276	2.210	12.4	18.8
10 8	1 32.77	+21 50.1	1.232	2.202	8.2	18.5
10 18	1 22.84	+21 17.5	1.211	2.196	5.4	18.4
10 28	1 13.09	+20 26.9	1.215	2.189	6.9	18.4
11 7	1 4.99	+19 27.2	1.244	2.183	11.0	18.7
11 17	0 59.60	+18 28.6	1.296	2.178	15.3	18.9

356599 2011 TZ_{2} 10 16.1 354°.70 1°.2/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.87	+ 8 3.5	1.746	2.578	15.4	21.1
9 18	1 45.20	+ 7 34.5	1.669	2.577	11.9	20.9
9 28	1 39.23	+ 6 54.4	1.614	2.576	7.9	20.7
10 8	1 31.59	+ 6 7.1	1.584	2.575	3.5	20.4
10 18	1 23.16	+ 5 18.1	1.581	2.575	1.9	20.3
10 28	1 15.01	+ 4 33.9	1.605	2.575	6.1	20.6
11 7	1 8.15	+ 4 0.2	1.656	2.575	10.3	20.8
11 17	1 3.33	+ 3 41.0	1.730	2.575	13.9	21.0

325605 2009 SA_{210} 10 16.1 27°.10 0°.4/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.57	+11 23.2	2.180	2.996	13.3	20.1
9 18	1 42.18	+10 36.4	2.100	2.998	10.3	20.0
9 28	1 36.97	+ 9 37.1	2.042	3.000	6.9	19.7
10 8	1 30.49	+ 8 28.8	2.011	3.001	3.1	19.5
10 18	1 23.42	+ 7 16.8	2.008	3.003	1.0	19.4
10 28	1 16.60	+ 6 7.2	2.034	3.005	4.9	19.6
11 7	1 10.77	+ 5 6.0	2.088	3.007	8.5	19.9
11 17	1 6.55	+ 4 17.5	2.167	3.009	11.6	20.1

37525 5127 T_{-3} 10 16.1 10°.77 6°.3/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.09	− 0 10.2	1.144	2.023	18.6	17.8
9 18	1 43.14	− 1 28.7	1.092	2.025	14.4	17.5
9 28	1 38.23	− 2 54.4	1.060	2.029	10.0	17.3
10 8	1 31.21	− 4 16.3	1.049	2.034	6.6	17.1
10 18	1 23.27	− 5 23.2	1.062	2.040	7.3	17.2
10 28	1 15.86	− 6 5.4	1.098	2.048	11.1	17.4
11 7	1 10.26	− 6 18.2	1.155	2.056	15.3	17.7
11 17	1 7.25	− 6 1.7	1.231	2.066	19.1	18.0

381823 2009 VZ_{80} 10 16.1 9°.42 21°.7/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	2 11.03	−35 3.5	0.794	1.625	29.0	18.8
9 18	2 4.26	−34 49.4	0.765	1.629	26.6	18.7
9 28	1 52.39	−33 46.2	0.748	1.636	24.2	18.6
10 8	1 37.40	−31 39.3	0.745	1.647	22.4	18.5
10 18	1 21.95	−28 25.0	0.758	1.660	21.7	18.6
10 28	1 8.70	−24 14.0	0.791	1.677	22.5	18.7
11 7	0 59.37	−19 28.2	0.844	1.697	24.3	18.9
11 17	0 54.50	−14 30.6	0.915	1.720	26.5	19.2

361059 2005 YQ_{119} 10 16.1 116°.42 3°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.83	− 1 13.2	2.499	3.330	11.3	21.5
9 18	1 43.53	− 2 6.4	2.435	3.342	8.7	21.3
9 28	1 37.67	− 3 2.0	2.396	3.353	6.0	21.2
10 8	1 30.75	− 3 55.0	2.384	3.364	3.9	21.1
10 18	1 23.39	− 4 40.8	2.401	3.375	4.2	21.1
10 28	1 16.31	− 5 15.0	2.447	3.386	6.5	21.3
11 7	1 10.17	− 5 34.9	2.520	3.396	9.1	21.5
11 17	1 5.45	− 5 39.5	2.618	3.406	11.5	21.7

282956 2007 RY_{236} 10 16.1 30°.23 4°.0/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.98	+23 50.1	1.550	2.340	18.9	19.7
9 18	1 43.36	+23 21.0	1.478	2.347	15.5	19.5
9 28	1 38.17	+22 24.6	1.424	2.355	11.6	19.2
10 8	1 31.14	+21 2.1	1.392	2.364	7.3	19.0
10 18	1 23.30	+19 18.5	1.386	2.373	4.2	18.9
10 28	1 15.89	+17 23.5	1.406	2.383	5.7	19.0
11 7	1 10.00	+15 28.7	1.453	2.393	9.6	19.2
11 17	1 6.40	+13 44.7	1.525	2.404	13.6	19.5

346512 2008 UM_{142} 10 16.1 81°.66 0°.2/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.51	+12 24.1	1.700	2.518	16.4	21.2
9 18	1 47.12	+11 53.2	1.639	2.536	12.8	21.0
9 28	1 40.39	+11 7.6	1.599	2.555	8.5	20.8
10 8	1 32.06	+10 11.0	1.583	2.573	3.9	20.6
10 18	1 23.10	+ 9 9.0	1.595	2.591	0.8	20.4
10 28	1 14.62	+ 8 8.6	1.635	2.609	5.5	20.8
11 7	1 7.62	+ 7 16.7	1.702	2.627	9.7	21.1
11 17	1 2.75	+ 6 38.2	1.793	2.644	13.3	21.4

461236 2015 WL_{6} 10 16.1 270°.10 5°.8/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.78	− 9 32.4	2.563	3.390	11.2	21.8
9 18	1 46.00	−10 17.4	2.472	3.368	9.0	21.6
9 28	1 39.47	−11 0.1	2.406	3.346	7.0	21.4
10 8	1 31.65	−11 35.1	2.366	3.324	5.8	21.3
10 18	1 23.17	−11 57.5	2.355	3.301	6.4	21.3
10 28	1 14.80	−12 3.6	2.372	3.278	8.3	21.4
11 7	1 7.31	−11 51.3	2.414	3.255	10.7	21.6
11 17	1 1.28	−11 20.6	2.481	3.232	13.0	21.7

397662 2008 AJ_{14} 10 16.1 313°.54 3°.4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 47.63	+ 2 41.1	1.880	2.721	14.1	20.9
9 18	1 44.06	+ 1 44.2	1.804	2.718	10.8	20.7
9 28	1 38.39	+ 0 39.9	1.751	2.714	7.3	20.5
10 8	1 31.20	− 0 26.0	1.724	2.711	4.1	20.3
10 18	1 23.29	− 1 26.8	1.724	2.708	4.1	20.3
10 28	1 15.65	− 2 15.9	1.752	2.705	7.4	20.5
11 7	1 9.18	− 2 48.4	1.805	2.702	11.0	20.7
11 17	1 4.55	− 3 1.8	1.882	2.699	14.2	20.9

396185 2013 GX_{90} 10 16.1 63°.37 6°.8/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.45	− 9 38.9	1.982	2.821	13.5	20.2
9 18	1 46.61	−10 33.2	1.936	2.839	10.8	20.1
9 28	1 39.81	−11 22.7	1.914	2.858	8.3	20.0
10 8	1 31.73	−12 0.9	1.917	2.876	6.9	19.9
10 18	1 23.20	−12 22.4	1.947	2.895	7.4	20.0
10 28	1 15.15	−12 23.7	2.004	2.914	9.5	20.2
11 7	1 8.40	−12 4.0	2.085	2.932	11.9	20.4
11 17	1 3.49	−11 25.0	2.188	2.951	14.2	20.6

401446 2013 CY_{135} 10 16.1 340°.77 5°.6/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 41.30	−19 44.5	4.198	5.011	7.4	20.6
9 18	1 38.03	−20 40.2	4.143	5.009	6.4	20.5
9 28	1 33.81	−21 30.0	4.114	5.008	5.7	20.4
10 8	1 28.96	−22 10.5	4.112	5.007	5.6	20.4
10 18	1 23.83	−22 38.9	4.135	5.006	6.1	20.5
10 28	1 18.82	−22 53.2	4.185	5.005	7.0	20.5
11 7	1 14.33	−22 52.8	4.259	5.004	8.1	20.6
11 17	1 10.67	−22 37.8	4.354	5.003	9.2	20.7

16194 Roderick 10 16.1 178°.18 3°.0/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.82	+ 1 28.6	2.679	3.508	10.7	18.2
9 18	1 41.98	+ 0 25.3	2.602	3.509	8.2	18.1
9 28	1 36.66	− 0 42.8	2.550	3.509	5.5	17.9
10 8	1 30.32	− 1 50.9	2.526	3.510	3.3	17.8
10 18	1 23.51	− 2 54.3	2.531	3.510	3.6	17.8
10 28	1 16.89	− 3 48.1	2.566	3.510	5.9	17.9
11 7	1 11.09	− 4 28.7	2.629	3.509	8.6	18.1
11 17	1 6.58	− 4 54.0	2.716	3.509	11.0	18.3

392323 2010 EN_{76} 10 16.1 240°.64 0°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.28	+10 29.8	1.964	2.772	14.8	21.9
9 18	1 49.34	+10 31.8	1.870	2.761	11.7	21.7
9 28	1 42.05	+10 23.5	1.797	2.750	8.0	21.4
10 8	1 32.96	+10 6.6	1.750	2.739	3.8	21.2
10 18	1 22.90	+ 9 43.9	1.731	2.727	0.8	20.9
10 28	1 12.98	+ 9 19.8	1.742	2.715	5.2	21.2
11 7	1 4.23	+ 8 59.5	1.780	2.702	9.4	21.4
11 17	0 57.49	+ 8 47.2	1.843	2.690	13.2	21.6

514311 2016 AJ_{92} 10 16.1 351°.52 4°.7/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.30	+23 52.0	1.923	2.693	16.4	20.5
9 18	1 44.07	+24 4.9	1.836	2.690	13.7	20.3
9 28	1 38.56	+23 57.6	1.769	2.688	10.5	20.1
10 8	1 31.35	+23 29.6	1.724	2.685	7.2	19.9
10 18	1 23.28	+22 42.2	1.704	2.684	4.9	19.7
10 28	1 15.42	+21 40.1	1.712	2.682	5.7	19.8
11 7	1 8.78	+20 30.7	1.746	2.681	8.7	19.9
11 17	1 4.14	+19 21.9	1.806	2.681	12.0	20.2

349431 2008 AN_{85} 10 16.1 167°.86 3°.0/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.72	+20 34.8	2.489	3.250	13.3	21.2
9 18	1 46.05	+20 36.8	2.400	3.254	10.9	21.0
9 28	1 39.54	+20 24.3	2.332	3.257	8.0	20.9
10 8	1 31.70	+19 57.6	2.290	3.259	5.1	20.7
10 18	1 23.22	+19 18.3	2.276	3.262	3.0	20.6
10 28	1 14.94	+18 30.3	2.292	3.264	4.3	20.7
11 7	1 7.65	+17 38.9	2.336	3.265	7.2	20.8
11 17	1 1.97	+16 49.2	2.408	3.266	10.0	21.0

348321 2005 CM_{11} 10 16.1 238°.52 6°.7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.77	− 6 50.2	2.029	2.872	13.1	21.1
9 18	1 44.84	− 8 21.1	1.955	2.863	10.4	20.9
9 28	1 38.88	− 9 53.0	1.905	2.853	8.0	20.7
10 8	1 31.44	−11 17.9	1.881	2.842	6.7	20.6
10 18	1 23.28	−12 28.0	1.884	2.832	7.6	20.7
10 28	1 15.34	−13 16.6	1.914	2.821	10.0	20.8
11 7	1 8.50	−13 40.6	1.969	2.810	12.8	21.0
11 17	1 3.42	−13 39.5	2.045	2.798	15.4	21.1

167239 2003 UZ_{75} 10 16.1 298°.23 2°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.37	+15 48.7	1.723	2.532	16.5	20.4
9 18	1 46.07	+15 48.5	1.620	2.508	13.4	20.1
9 28	1 40.19	+15 31.5	1.536	2.484	9.5	19.8
10 8	1 32.24	+14 58.3	1.476	2.460	5.2	19.5
10 18	1 23.07	+14 11.4	1.441	2.435	2.1	19.3
10 28	1 13.89	+13 16.4	1.434	2.411	5.6	19.4
11 7	1 5.92	+12 21.2	1.453	2.387	10.2	19.7
11 17	1 0.14	+11 33.3	1.496	2.364	14.5	19.9

101612 1999 CS_8 10 16.1 72°.16 5°.1/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 44.28	−18 4.4	4.237	5.047	7.4	19.6
9 18	1 40.21	−18 38.4	4.184	5.053	6.3	19.5
9 28	1 35.21	−19 6.8	4.156	5.060	5.4	19.5
10 8	1 29.60	−19 26.5	4.155	5.067	5.1	19.4
10 18	1 23.74	−19 35.2	4.181	5.074	5.5	19.5
10 28	1 18.05	−19 31.4	4.235	5.081	6.4	19.6
11 7	1 12.92	−19 14.6	4.314	5.088	7.6	19.7
11 17	1 8.65	−18 45.1	4.416	5.094	8.7	19.8

446012 2013 CY_{46} 10 16.1 320°.87 1°.9/17.7 18

9 8	1 52.47	+14 34.7	1.922	2.722	15.4	21.2
9 18	1 47.93	+14 50.2	1.838	2.721	12.3	21.0
9 28	1 41.08	+14 52.8	1.774	2.720	8.7	20.8
10 8	1 32.50	+14 43.3	1.735	2.719	4.7	20.6
10 18	1 23.04	+14 23.6	1.724	2.718	1.9	20.4
10 28	1 13.81	+13 58.0	1.741	2.717	5.0	20.6
11 7	1 5.81	+13 31.8	1.786	2.716	8.9	20.8
11 17	0 59.84	+13 10.1	1.855	2.715	12.5	21.1

63287 2001 DT_{79} 10 16.1 314°.93 2°.1/20.2 18

9 8	1 40.64	+22 22.5	4.215	4.958	8.5	19.3
9 18	1 37.60	+22 5.2	4.113	4.953	7.0	19.2
9 28	1 33.59	+21 37.9	4.033	4.948	5.2	19.0
10 8	1 28.90	+21 1.3	3.981	4.944	3.4	18.9
10 18	1 23.89	+20 16.9	3.957	4.939	2.2	18.8
10 28	1 18.98	+19 27.1	3.964	4.935	2.7	18.8
11 7	1 14.55	+18 34.8	4.001	4.930	4.4	19.0
11 17	1 10.96	+17 43.1	4.067	4.926	6.3	19.1

289237 2004 XF_{75} 10 16.1 352°.86 1°.8/14.8 18

9 8	1 43.05	+ 6 36.2	1.374	2.235	17.2	19.3
9 18	1 41.35	+ 6 16.9	1.300	2.223	13.4	19.1
9 28	1 37.04	+ 5 46.2	1.245	2.214	8.9	18.8
10 8	1 30.75	+ 5 8.7	1.213	2.206	4.1	18.5
10 18	1 23.45	+ 4 30.6	1.206	2.199	2.5	18.4
10 28	1 16.42	+ 3 59.4	1.223	2.195	7.2	18.7
11 7	1 10.83	+ 3 41.3	1.264	2.192	11.9	18.9
11 17	1 7.55	+ 3 40.2	1.326	2.191	16.1	19.2

352922 2008 YF_{165} 10 16.1 282°.32 0°.2/16.0 18

9 8	1 52.52	+ 9 22.9	1.807	2.627	15.4	21.0
9 18	1 48.24	+ 9 22.1	1.711	2.610	12.2	20.8
9 28	1 41.47	+ 9 10.9	1.637	2.594	8.3	20.5
10 8	1 32.76	+ 8 51.4	1.587	2.577	3.8	20.2
10 18	1 22.99	+ 8 27.0	1.565	2.561	1.0	20.0
10 28	1 13.29	+ 8 2.7	1.571	2.544	5.7	20.3
11 7	1 4.82	+ 7 43.9	1.603	2.527	10.2	20.5
11 17	0 58.46	+ 7 34.9	1.660	2.511	14.2	20.7

326537 2002 OR_{36} 10 16.1 232°.69 3°.4/12.1 18

9 8	1 46.05	+ 0 38.9	2.443	3.277	11.5	21.1
9 18	1 42.34	− 0 19.6	2.364	3.273	8.8	20.9
9 28	1 37.02	− 1 22.7	2.310	3.270	6.0	20.8
10 8	1 30.54	− 2 25.4	2.283	3.267	3.7	20.6
10 18	1 23.53	− 3 22.5	2.285	3.263	4.0	20.6
10 28	1 16.71	− 4 9.0	2.316	3.260	6.5	20.8
11 7	1 10.78	− 4 41.1	2.374	3.256	9.3	21.0
11 17	1 6.26	− 4 57.0	2.456	3.253	11.9	21.1

426132 2012 GN_{40} 10 16.1 116°.63 13°.5/ 4.9 18

9 8	1 59.25	−26 7.3	1.721	2.527	16.6	21.1
9 18	1 53.04	−27 49.0	1.696	2.545	14.9	21.0
9 28	1 44.24	−29 10.6	1.692	2.562	13.7	21.0
10 8	1 33.78	−30 1.9	1.710	2.578	13.5	21.0
10 18	1 22.83	−30 16.8	1.750	2.594	14.3	21.1
10 28	1 12.67	−29 53.5	1.811	2.609	15.7	21.2
11 7	1 4.35	−28 55.5	1.892	2.623	17.3	21.4
11 17	0 58.50	−27 28.9	1.990	2.637	18.8	21.6

68761 2002 ES_{89} 10 16.1 97°.92 5°.1/20.0 18

9 8	1 54.91	+22 25.6	1.469	2.254	20.0	19.5
9 18	1 50.54	+22 47.6	1.399	2.265	16.5	19.3
9 28	1 43.15	+22 46.1	1.347	2.275	12.4	19.1
10 8	1 33.52	+22 19.9	1.317	2.285	8.2	18.9
10 18	1 22.85	+21 30.8	1.311	2.295	5.2	18.7
10 28	1 12.64	+20 25.3	1.332	2.305	6.6	18.8
11 7	1 4.25	+19 13.2	1.379	2.314	10.5	19.1
11 17	0 58.58	+18 4.6	1.449	2.324	14.4	19.3

209224 2003 WC_{69} 10 16.1 348°.07 9°.2/10.9 18

9 8	1 52.47	−10 52.4	1.314	2.175	17.8	19.2
9 18	1 48.74	−11 31.4	1.251	2.166	14.5	19.0
9 28	1 41.99	−12 3.2	1.208	2.158	11.3	18.8
10 8	1 33.00	−12 18.2	1.186	2.151	9.4	18.7
10 18	1 22.98	−12 8.6	1.188	2.145	10.0	18.7
10 28	1 13.40	−11 29.7	1.213	2.140	12.7	18.8
11 7	1 5.63	−10 21.9	1.260	2.137	16.2	19.0
11 17	1 0.54	− 8 49.4	1.327	2.134	19.5	19.2

57188 2001 QW_{30} 10 16.1 18°.12 0°.1/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 53.14	+ 8 45.3	1.279	2.123	19.2	17.7
9 18	1 49.33	+ 9 0.1	1.215	2.127	15.1	17.5
9 28	1 42.42	+ 9 3.2	1.169	2.132	10.2	17.2
10 8	1 33.21	+ 8 57.0	1.146	2.137	4.7	16.9
10 18	1 22.93	+ 8 45.5	1.148	2.144	1.1	16.7
10 28	1 13.12	+ 8 34.6	1.175	2.151	6.7	17.1
11 7	1 5.17	+ 8 29.9	1.227	2.159	11.8	17.4
11 17	1 0.01	+ 8 35.9	1.300	2.168	16.2	17.7

115078 2003 RJ_{26} 10 16.1 56°.62 10°.4/ 8.7 18

9 8	1 54.49	−15 53.4	1.572	2.414	16.3	19.3
9 18	1 49.51	−17 4.7	1.533	2.428	13.6	19.1
9 28	1 42.00	−18 4.4	1.514	2.441	11.4	19.0
10 8	1 32.81	−18 43.3	1.519	2.455	10.4	19.0
10 18	1 23.06	−18 54.5	1.548	2.469	11.1	19.1
10 28	1 13.97	−18 34.8	1.600	2.483	13.1	19.3
11 7	1 6.58	−17 45.7	1.674	2.497	15.5	19.5
11 17	1 1.53	−16 31.5	1.768	2.512	17.8	19.7

290730 2005 UL_{445} 10 16.1 84°.71 4°.8/11.8 18

9 8	1 50.97	− 4 17.7	2.120	2.955	12.9	20.4
9 18	1 46.26	− 4 57.8	2.057	2.964	10.1	20.3
9 28	1 39.65	− 5 37.8	2.018	2.972	7.1	20.1
10 8	1 31.74	− 6 12.2	2.005	2.980	5.0	20.0
10 18	1 23.29	− 6 36.2	2.019	2.989	5.4	20.0
10 28	1 15.19	− 6 45.6	2.062	2.997	7.8	20.2
11 7	1 8.24	− 6 38.4	2.131	3.005	10.6	20.4
11 17	1 3.02	− 6 14.6	2.224	3.013	13.2	20.6

512824 2016 UV_{105} 10 16.1 113°.59 1°.0/16.9 18

9 8	1 52.27	+13 57.5	1.881	2.684	15.5	21.4
9 18	1 47.62	+13 40.4	1.809	2.697	12.2	21.2
9 28	1 40.74	+13 8.9	1.759	2.709	8.4	21.0
10 8	1 32.29	+12 25.4	1.734	2.721	4.1	20.7
10 18	1 23.16	+11 34.0	1.737	2.733	1.1	20.5
10 28	1 14.40	+10 40.7	1.769	2.744	4.9	20.8
11 7	1 6.98	+ 9 51.9	1.828	2.755	9.0	21.1
11 17	1 1.58	+ 9 12.8	1.912	2.765	12.5	21.4

64327 2001 UG_{47} 10 16.1 349°.36 1°.9/14.5 18

9 8	1 47.82	+ 6 23.6	1.777	2.614	14.9	19.0
9 18	1 44.38	+ 5 48.5	1.701	2.612	11.6	18.7
9 28	1 38.71	+ 5 3.6	1.646	2.609	7.6	18.5
10 8	1 31.42	+ 4 13.4	1.616	2.607	3.5	18.3
10 18	1 23.36	+ 3 23.5	1.613	2.605	2.5	18.2
10 28	1 15.57	+ 2 40.5	1.638	2.604	6.4	18.4
11 7	1 9.01	+ 2 9.7	1.688	2.603	10.4	18.7
11 17	1 4.41	+ 1 54.7	1.762	2.602	14.0	18.9

118900 2000 UA_{67} 10 16.1 280°.98 1°.4/17.5 18

9 8	1 49.40	+14 44.7	2.135	2.933	14.1	20.0
9 18	1 45.30	+14 40.1	2.049	2.933	11.2	19.8
9 28	1 39.19	+14 22.6	1.985	2.932	7.8	19.6
10 8	1 31.61	+13 53.6	1.947	2.931	4.1	19.4
10 18	1 23.32	+13 15.9	1.936	2.931	1.4	19.2
10 28	1 15.23	+12 34.1	1.955	2.930	4.5	19.4
11 7	1 8.23	+11 53.8	2.001	2.930	8.2	19.6
11 17	1 2.98	+11 19.7	2.072	2.929	11.5	19.8

9518 Robbynaish 10 16.1 289°.07 4°.1/12.7 18

9 8	1 48.16	+ 3 53.4	1.495	2.347	16.5	17.9
9 18	1 45.21	+ 2 40.0	1.412	2.331	12.8	17.6
9 28	1 39.60	+ 1 13.6	1.349	2.315	8.6	17.4
10 8	1 31.96	− 0 18.4	1.310	2.299	4.8	17.1
10 18	1 23.22	− 1 46.4	1.298	2.283	5.0	17.1
10 28	1 14.67	− 3 0.0	1.312	2.267	9.1	17.3
11 7	1 7.52	− 3 51.3	1.349	2.251	13.6	17.5
11 17	1 2.68	− 4 16.4	1.408	2.235	17.6	17.7

220207 2002 VY_{40} 10 16.1 12°.15 3°.3/18.2 18

9 8	1 45.15	+16 26.2	0.973	1.830	22.9	19.7
9 18	1 43.91	+16 45.8	0.919	1.834	18.4	19.5
9 28	1 39.19	+16 40.5	0.881	1.840	13.1	19.2
10 8	1 31.84	+16 11.1	0.861	1.847	7.4	18.9
10 18	1 23.27	+15 22.4	0.863	1.857	3.3	18.7
10 28	1 15.28	+14 24.3	0.887	1.868	7.0	19.0
11 7	1 9.44	+13 28.5	0.933	1.881	12.5	19.4
11 17	1 6.70	+12 44.5	0.999	1.896	17.4	19.7

450958 2008 JE_{40} 10 16.1 155°.31 1°.4/14.5 18

9 8	1 47.64	+ 7 12.6	2.469	3.286	11.9	22.3
9 18	1 43.53	+ 6 27.9	2.390	3.291	9.1	22.1
9 28	1 37.78	+ 5 35.0	2.336	3.295	6.0	21.9
10 8	1 30.90	+ 4 37.7	2.309	3.299	2.7	21.7
10 18	1 23.51	+ 3 40.4	2.311	3.303	1.9	21.6
10 28	1 16.34	+ 2 48.1	2.343	3.306	5.0	21.9
11 7	1 10.09	+ 2 5.2	2.403	3.309	8.1	22.1
11 17	1 5.29	+ 1 34.7	2.489	3.312	10.9	22.3

108917 2001 PX_{14} 10 16.1 78°.69 5°.9/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 47.15	− 2 49.3	1.862	2.712	13.8	19.7
9 18	1 43.57	− 4 34.5	1.808	2.723	10.7	19.5
9 28	1 37.98	− 6 22.6	1.777	2.734	7.7	19.4
10 8	1 31.02	− 8 5.0	1.773	2.745	6.0	19.3
10 18	1 23.49	− 9 33.0	1.796	2.756	6.8	19.4
10 28	1 16.35	−10 39.5	1.847	2.768	9.5	19.6
11 7	1 10.42	−11 20.9	1.922	2.779	12.4	19.8
11 17	1 6.30	−11 36.7	2.018	2.790	15.0	20.0

269530 2009 VF_{60} 10 16.1 291°.63 5°.9/ 8.2 18

9 8	1 44.53	− 3 50.9	2.258	3.104	11.9	20.1
9 18	1 41.46	− 5 49.4	2.171	3.084	9.4	19.9
9 28	1 36.62	− 7 53.6	2.110	3.063	7.0	19.8
10 8	1 30.46	− 9 55.4	2.077	3.043	5.9	19.7
10 18	1 23.60	−11 46.2	2.073	3.022	6.9	19.7
10 28	1 16.85	−13 18.2	2.097	3.002	9.4	19.8
11 7	1 10.97	−14 26.2	2.146	2.981	12.1	20.0
11 17	1 6.59	−15 8.2	2.217	2.961	14.6	20.1

327570 2006 DR_{38} 10 16.1 312°.36 3°.2/18.9 17

9 8	1 50.58	+18 28.7	2.139	2.920	14.6	20.6
9 18	1 46.41	+18 54.9	2.043	2.910	12.0	20.4
9 28	1 40.08	+19 7.6	1.968	2.901	8.8	20.2
10 8	1 32.10	+19 6.3	1.918	2.892	5.5	20.0
10 18	1 23.23	+18 51.9	1.895	2.883	3.3	19.8
10 28	1 14.45	+18 27.4	1.901	2.874	4.9	19.9
11 7	1 6.73	+17 57.9	1.934	2.865	8.2	20.1
11 17	1 0.84	+17 28.8	1.993	2.857	11.5	20.3

283786 Rutebeuf 10 16.1 319°.53 2°.1/18.9 17

9 8	1 43.95	+19 5.7	2.917	3.689	11.3	20.4
9 18	1 40.63	+18 54.8	2.817	3.681	9.2	20.2
9 28	1 35.87	+18 31.4	2.741	3.673	6.7	20.0
10 8	1 30.05	+17 56.7	2.690	3.665	4.0	19.8
10 18	1 23.72	+17 12.6	2.668	3.657	2.1	19.7
10 28	1 17.51	+16 22.6	2.675	3.650	3.5	19.8
11 7	1 12.01	+15 30.9	2.711	3.642	6.2	20.0
11 17	1 7.75	+14 42.0	2.775	3.635	8.8	20.1

205424 Bibracte 10 16.1 109°.57 0°.6/15.6 18

9 8	1 52.19	+ 8 47.6	1.953	2.770	14.6	20.4
9 18	1 47.47	+ 8 30.8	1.882	2.780	11.3	20.2
9 28	1 40.61	+ 8 4.1	1.832	2.790	7.5	20.0
10 8	1 32.25	+ 7 30.7	1.808	2.799	3.4	19.7
10 18	1 23.24	+ 6 54.9	1.813	2.808	1.2	19.6
10 28	1 14.56	+ 6 21.6	1.846	2.817	5.3	19.9
11 7	1 7.14	+ 5 55.8	1.907	2.826	9.2	20.2
11 17	1 1.64	+ 5 40.9	1.992	2.834	12.5	20.4

175386 2006 LN_{4} 10 16.1 51°.79 7°.4/23.5 18

9 8	1 51.15	+30 28.8	1.663	2.404	19.7	19.7
9 18	1 47.35	+30 53.9	1.600	2.424	16.8	19.5
9 28	1 40.86	+30 51.8	1.554	2.444	13.5	19.4
10 8	1 32.43	+30 20.3	1.528	2.465	10.2	19.2
10 18	1 23.20	+29 20.7	1.526	2.486	7.8	19.2
10 28	1 14.48	+27 58.7	1.550	2.507	7.7	19.2
11 7	1 7.44	+26 24.3	1.599	2.529	9.8	19.4
11 17	1 2.85	+24 48.1	1.673	2.550	12.7	19.6

250574 2004 XP_{99} 10 16.1 342°.44 2°.1/14.9 17

9 8	1 47.98	+ 6 46.0	1.037	1.908	20.7	20.0
9 18	1 46.08	+ 6 29.7	0.969	1.897	16.3	19.7
9 28	1 40.73	+ 5 59.1	0.918	1.888	10.9	19.4
10 8	1 32.64	+ 5 19.4	0.887	1.880	5.0	19.0
10 18	1 23.12	+ 4 38.4	0.879	1.873	2.9	18.9
10 28	1 13.94	+ 4 5.7	0.894	1.868	8.7	19.2
11 7	1 6.75	+ 3 49.4	0.930	1.863	14.5	19.5
11 17	1 2.68	+ 3 54.1	0.985	1.860	19.5	19.8

130953 2000 WT_{79} 10 16.1 299°.19 1°.9/14.9 18

9 8	1 51.69	+ 5 42.8	1.608	2.446	16.2	20.0
9 18	1 47.91	+ 5 28.7	1.515	2.425	12.7	19.8
9 28	1 41.45	+ 5 5.3	1.442	2.405	8.6	19.5
10 8	1 32.86	+ 4 36.3	1.394	2.385	4.0	19.2
10 18	1 23.07	+ 4 7.0	1.372	2.365	2.5	19.0
10 28	1 13.34	+ 3 43.4	1.376	2.345	7.0	19.3
11 7	1 4.95	+ 3 31.2	1.406	2.325	11.8	19.5
11 17	0 58.85	+ 3 34.3	1.459	2.306	16.0	19.7

28701 2000 GK_{90} 10 16.2 224°.85 3°.2/12.8 18

9 8	1 50.51	+ 0 42.9	2.434	3.259	11.8	19.4
9 18	1 45.87	− 0 1.8	2.344	3.248	9.1	19.2
9 28	1 39.45	− 0 51.0	2.279	3.237	6.2	19.0
10 8	1 31.73	− 1 40.2	2.241	3.225	3.7	18.8
10 18	1 23.36	− 2 24.7	2.232	3.212	3.8	18.8
10 28	1 15.13	− 2 59.5	2.252	3.199	6.4	19.0
11 7	1 7.82	− 3 21.1	2.300	3.186	9.4	19.1
11 17	1 2.03	− 3 27.5	2.373	3.172	12.2	19.3

4086 Podalirius 10 16.2 330°.80 3°.6/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 44.13	− 8 27.5	3.921	4.745	7.7	16.1
9 18	1 40.24	− 8 51.1	3.843	4.739	6.1	16.0
9 28	1 35.34	− 9 12.7	3.790	4.733	4.6	15.9
10 8	1 29.74	− 9 29.5	3.766	4.728	3.7	15.8
10 18	1 23.83	− 9 39.0	3.771	4.722	4.0	15.8
10 28	1 18.04	− 9 39.3	3.805	4.717	5.3	15.9
11 7	1 12.79	− 9 29.1	3.866	4.712	6.9	16.0
11 17	1 8.42	− 9 8.3	3.953	4.707	8.5	16.1

353360 2010 WY_{67} 10 16.2 247°.24 1°.0/17.9 18

9 8	1 41.46	+15 37.1	4.327	5.101	7.9	21.1
9 18	1 38.18	+15 26.4	4.232	5.101	6.2	21.0
9 28	1 33.97	+15 8.7	4.162	5.101	4.4	20.8
10 8	1 29.12	+14 45.0	4.120	5.101	2.4	20.7
10 18	1 23.97	+14 16.8	4.107	5.100	1.0	20.6
10 28	1 18.91	+13 46.2	4.125	5.100	2.4	20.7
11 7	1 14.32	+13 15.7	4.173	5.100	4.4	20.8
11 17	1 10.51	+12 47.5	4.250	5.100	6.2	21.0

243878 2000 YY_{6} 10 16.2 273°.62 0°.8/16.8 18

9 8	1 51.77	+12 48.1	1.922	2.729	15.1	20.4
9 18	1 47.64	+12 40.6	1.816	2.706	12.1	20.2
9 28	1 41.10	+12 19.7	1.731	2.683	8.4	19.9
10 8	1 32.66	+11 46.7	1.672	2.659	4.1	19.6
10 18	1 23.13	+11 4.9	1.640	2.636	1.0	19.3
10 28	1 13.60	+10 19.5	1.636	2.611	5.3	19.6
11 7	1 5.17	+ 9 37.0	1.660	2.587	9.7	19.8
11 17	0 58.74	+ 9 3.1	1.709	2.562	13.7	20.0

320431 2007 VE_{94} 10 16.2 275°.67 3°.1/18.4 18

9 8	1 51.13	+18 23.6	1.425	2.236	19.3	20.8
9 18	1 47.86	+18 20.8	1.340	2.227	15.7	20.5
9 28	1 41.59	+17 55.6	1.273	2.218	11.4	20.3
10 8	1 32.96	+17 8.1	1.228	2.210	6.6	20.0
10 18	1 23.08	+16 1.8	1.208	2.201	3.1	19.7
10 28	1 13.40	+14 44.4	1.214	2.192	6.2	19.9
11 7	1 5.36	+13 26.6	1.245	2.183	11.2	20.2
11 17	0 59.97	+12 18.3	1.299	2.175	15.7	20.4

158243 2001 TS_{26} 10 16.2 24°.79 2°.2/17.5 18

9 8	1 53.49	+13 27.7	1.311	2.141	19.7	19.7
9 18	1 49.63	+13 56.0	1.246	2.147	15.7	19.5
9 28	1 42.67	+14 8.6	1.199	2.153	10.9	19.2
10 8	1 33.39	+14 6.0	1.174	2.160	5.8	19.0
10 18	1 23.01	+13 50.9	1.174	2.168	2.2	18.8
10 28	1 13.08	+13 28.8	1.199	2.177	6.3	19.1
11 7	1 5.01	+13 7.0	1.249	2.186	11.2	19.4
11 17	0 59.73	+12 51.9	1.321	2.196	15.5	19.7

137149 1999 CB_{151} 10 16.2 36°.84 2°.3/13.9 18

9 8	1 47.76	+ 5 47.7	1.866	2.702	14.4	19.3
9 18	1 44.17	+ 4 57.2	1.794	2.704	11.1	19.1
9 28	1 38.50	+ 3 57.2	1.744	2.707	7.3	18.9
10 8	1 31.33	+ 2 52.8	1.720	2.710	3.5	18.7
10 18	1 23.49	+ 1 50.3	1.723	2.713	2.9	18.7
10 28	1 15.95	+ 0 56.4	1.754	2.717	6.5	18.9
11 7	1 9.60	+ 0 16.6	1.812	2.720	10.3	19.1
11 17	1 5.12	− 0 6.1	1.893	2.723	13.6	19.3

265477 2005 BD_{25} 10 16.2 323°.69 9°.2/25.8 17

9 8	1 52.24	+36 46.1	2.294	2.961	16.7	20.3
9 18	1 48.10	+37 54.5	2.198	2.954	14.9	20.1
9 28	1 41.46	+38 42.4	2.119	2.947	13.0	19.9
10 8	1 32.85	+39 5.4	2.061	2.941	11.0	19.8
10 18	1 23.11	+39 0.6	2.026	2.934	9.6	19.7
10 28	1 13.39	+38 28.8	2.015	2.928	9.3	19.7
11 7	1 4.86	+37 34.4	2.030	2.922	10.2	19.7
11 17	0 58.45	+36 25.1	2.069	2.916	11.9	19.8

117319 2004 VR_{64} 10 16.2 231°.03 5°.8/10.5 18

9 8	1 50.80	− 8 55.2	2.367	3.198	11.9	19.6
9 18	1 46.04	− 9 37.1	2.297	3.196	9.5	19.5
9 28	1 39.51	−10 16.0	2.251	3.194	7.2	19.3
10 8	1 31.74	−10 46.5	2.231	3.192	5.9	19.2
10 18	1 23.41	−11 4.0	2.238	3.190	6.4	19.3
10 28	1 15.35	−11 5.0	2.274	3.187	8.3	19.4
11 7	1 8.31	−10 47.9	2.336	3.185	10.7	19.5
11 17	1 2.84	−10 13.3	2.420	3.182	13.0	19.7

482664 2013 BV_{78} 10 16.2 322°.46 8°.5/ 8.2 17

9 8	1 45.56	− 7 9.9	1.519	2.384	15.6	20.4
9 18	1 43.10	− 8 53.1	1.448	2.368	12.5	20.2
9 28	1 38.14	−10 38.2	1.399	2.352	9.8	20.0
10 8	1 31.30	−12 14.4	1.373	2.337	8.5	19.9
10 18	1 23.50	−13 30.7	1.373	2.322	9.7	20.0
10 28	1 15.93	−14 18.4	1.396	2.308	12.6	20.1
11 7	1 9.72	−14 33.4	1.441	2.294	15.9	20.3
11 17	1 5.70	−14 16.0	1.504	2.282	19.0	20.4

312643 2010 BZ_{111} 10 16.2 49°.90 4°.1/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 41.52	−11 33.5	4.245	5.070	7.1	20.2
9 18	1 38.19	−12 15.0	4.181	5.073	5.8	20.1
9 28	1 33.95	−12 53.6	4.144	5.076	4.6	20.0
10 8	1 29.12	−13 26.4	4.134	5.079	4.1	20.0
10 18	1 24.02	−13 50.8	4.153	5.082	4.5	20.0
10 28	1 19.05	−14 4.8	4.200	5.085	5.6	20.1
11 7	1 14.57	−14 7.3	4.273	5.088	6.9	20.2
11 17	1 10.89	−13 58.1	4.371	5.091	8.2	20.3

39693 1996 ST_{1} 10 16.2 44°.52 0°.0/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.44	+11 1.1	4.367	5.163	7.5	19.6
9 18	1 37.38	+10 36.9	4.277	5.163	5.8	19.5
9 28	1 33.43	+10 7.1	4.212	5.164	3.9	19.3
10 8	1 28.89	+ 9 33.2	4.175	5.164	1.8	19.2
10 18	1 24.08	+ 8 57.2	4.169	5.165	0.4	19.1
10 28	1 19.35	+ 8 21.4	4.193	5.165	2.5	19.3
11 7	1 15.08	+ 7 48.1	4.248	5.166	4.6	19.4
11 17	1 11.55	+ 7 19.5	4.330	5.167	6.4	19.5

352879 2008 XK_{52} 10 16.2 280°.16 4°.2/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.53	+23 12.6	1.812	2.588	17.1	20.8
9 18	1 45.27	+23 4.4	1.717	2.577	14.2	20.5
9 28	1 39.55	+22 33.5	1.640	2.566	10.7	20.3
10 8	1 31.95	+21 39.6	1.586	2.555	7.0	20.1
10 18	1 23.36	+20 24.8	1.559	2.544	4.3	19.9
10 28	1 14.94	+18 55.6	1.558	2.533	5.6	19.9
11 7	1 7.79	+17 21.1	1.585	2.522	9.3	20.1
11 17	1 2.78	+15 50.9	1.637	2.511	13.1	20.3

244318 2002 GU_{165} 10 16.2 37°.86 1°.8/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	2 9.35	+ 8 46.9	1.640	2.434	17.8	19.5
9 18	2 1.60	+10 8.6	1.557	2.438	14.2	19.3
9 28	1 50.60	+11 26.1	1.495	2.442	9.9	19.1
10 8	1 37.07	+12 37.2	1.461	2.446	5.0	18.8
10 18	1 22.23	+13 39.9	1.456	2.451	1.9	18.6
10 28	1 7.67	+14 33.9	1.482	2.455	6.1	18.9
11 7	0 54.91	+15 21.2	1.538	2.460	10.7	19.2
11 17	0 45.04	+16 5.1	1.619	2.465	14.7	19.4

185979 2001 MO_{16} 10 16.2 115°.38 2°.4/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.10	+ 5 3.2	1.650	2.482	16.1	20.3
9 18	1 49.29	+ 4 29.6	1.584	2.492	12.4	20.1
9 28	1 42.00	+ 3 47.4	1.541	2.502	8.2	19.9
10 8	1 32.97	+ 3 1.6	1.522	2.512	3.9	19.7
10 18	1 23.19	+ 2 18.2	1.530	2.521	3.0	19.6
10 28	1 13.86	+ 1 43.6	1.567	2.531	6.9	19.9
11 7	1 6.04	+ 1 22.8	1.629	2.539	11.1	20.2
11 17	1 0.46	+ 1 18.3	1.715	2.548	14.6	20.4

474663 2005 AG_{6} 10 16.2 333°.28 4°.5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.10	+ 1 19.0	1.240	2.109	18.1	19.8
9 18	1 44.99	+ 0 49.9	1.159	2.087	14.2	19.5
9 28	1 39.84	+ 0 13.4	1.098	2.067	9.7	19.2
10 8	1 32.25	− 0 23.9	1.058	2.047	5.5	18.9
10 18	1 23.31	− 0 53.9	1.042	2.029	5.2	18.9
10 28	1 14.51	− 1 8.3	1.049	2.012	9.6	19.1
11 7	1 7.32	− 1 1.6	1.079	1.997	14.6	19.3
11 17	1 2.83	− 0 31.6	1.128	1.983	19.1	19.5

271223 2003 TP_{38} 10 16.2 334°.45 3°.7/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.85	+21 13.0	2.212	2.981	14.5	21.3
9 18	1 44.99	+21 29.8	2.121	2.978	12.0	21.1
9 28	1 39.09	+21 30.9	2.050	2.974	9.0	20.9
10 8	1 31.67	+21 16.1	2.004	2.971	5.9	20.7
10 18	1 23.47	+20 46.6	1.984	2.968	3.8	20.6
10 28	1 15.43	+20 5.8	1.993	2.965	4.9	20.7
11 7	1 8.43	+19 19.4	2.030	2.962	7.9	20.9
11 17	1 3.18	+18 33.3	2.092	2.959	11.0	21.0

480725 2015 VU_{114} 10 16.2 303°.77 5°.6/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.87	− 5 41.9	2.083	2.925	12.9	20.7
9 18	1 44.83	− 6 38.8	2.013	2.922	10.2	20.5
9 28	1 38.86	− 7 35.7	1.966	2.918	7.5	20.3
10 8	1 31.50	− 8 26.1	1.945	2.915	5.7	20.2
10 18	1 23.52	− 9 4.2	1.951	2.912	6.3	20.3
10 28	1 15.80	− 9 25.0	1.984	2.908	8.7	20.4
11 7	1 9.17	− 9 26.1	2.042	2.905	11.5	20.6
11 17	1 4.24	− 9 7.3	2.123	2.902	14.1	20.7

407971 2012 DH_{39} 10 16.2 46°.66 1°.8/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.48	+15 3.0	2.196	2.989	13.9	21.2
9 18	1 46.08	+15 14.4	2.115	2.994	11.1	21.0
9 28	1 39.70	+15 13.8	2.057	3.000	7.8	20.8
10 8	1 31.90	+15 2.3	2.024	3.006	4.3	20.6
10 18	1 23.43	+14 41.8	2.019	3.012	1.8	20.4
10 28	1 15.19	+14 16.1	2.043	3.018	4.4	20.6
11 7	1 8.03	+13 49.9	2.095	3.025	7.8	20.9
11 17	1 2.61	+13 27.5	2.173	3.031	11.0	21.1

353124 2009 FZ_{50} 10 16.2 201°.11 0°.7/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 54.41	+ 7 9.8	2.255	3.063	13.2	21.3
9 18	1 49.05	+ 7 8.6	2.167	3.060	10.3	21.1
9 28	1 41.67	+ 7 0.5	2.102	3.057	6.8	20.9
10 8	1 32.81	+ 6 47.8	2.064	3.053	3.1	20.6
10 18	1 23.23	+ 6 33.4	2.055	3.050	1.2	20.5
10 28	1 13.83	+ 6 20.9	2.076	3.045	5.0	20.7
11 7	1 5.50	+ 6 14.0	2.126	3.041	8.6	20.9
11 17	0 58.91	+ 6 15.4	2.202	3.036	11.8	21.1

473604 2015 XX_{264} 10 16.2 321°.32 3°.5/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.38	+22 17.4	2.255	3.020	14.4	21.0
9 18	1 43.78	+22 14.5	2.163	3.018	11.9	20.8
9 28	1 38.23	+21 54.3	2.092	3.015	8.9	20.6
10 8	1 31.26	+21 17.0	2.046	3.013	5.8	20.4
10 18	1 23.58	+20 24.6	2.026	3.010	3.6	20.3
10 28	1 16.08	+19 21.6	2.036	3.008	4.7	20.3
11 7	1 9.61	+18 14.3	2.073	3.006	7.7	20.5
11 17	1 4.83	+17 9.2	2.136	3.004	10.7	20.7

225128 2008 FH_{40} 10 16.2 144°.22 1°.4/15.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.18	+ 7 7.5	1.707	2.531	16.0	21.5
9 18	1 50.14	+ 6 47.9	1.635	2.538	12.5	21.3
9 28	1 42.61	+ 6 18.5	1.585	2.544	8.3	21.1
10 8	1 33.28	+ 5 43.1	1.559	2.550	3.7	20.8
10 18	1 23.13	+ 5 6.7	1.561	2.555	1.9	20.7
10 28	1 13.37	+ 4 35.2	1.591	2.560	6.3	21.0
11 7	1 5.08	+ 4 13.9	1.649	2.565	10.5	21.3
11 17	0 59.02	+ 4 6.1	1.729	2.569	14.2	21.5

325560 2009 SY_{104} 10 16.2 74°.67 2°.5/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.30	+ 3 8.4	2.191	3.020	12.8	20.7
9 18	1 44.96	+ 2 35.3	2.126	3.032	9.8	20.5
9 28	1 38.81	+ 1 57.1	2.084	3.045	6.5	20.3
10 8	1 31.44	+ 1 18.0	2.069	3.058	3.3	20.1
10 18	1 23.56	+ 0 42.4	2.083	3.071	3.0	20.1
10 28	1 16.00	+ 0 14.9	2.125	3.083	5.9	20.3
11 7	1 9.51	− 0 1.0	2.195	3.096	9.1	20.6
11 17	1 4.66	− 0 3.7	2.289	3.109	11.9	20.8

129916 1999 TJ_{108} 10 16.2 63°.04 2°.9/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.65	+18 49.1	1.593	2.392	18.1	19.3
9 18	1 47.57	+18 43.0	1.531	2.411	14.5	19.2
9 28	1 40.92	+18 16.8	1.489	2.430	10.4	19.0
10 8	1 32.49	+17 31.8	1.470	2.449	6.0	18.8
10 18	1 23.33	+16 32.2	1.477	2.468	2.9	18.6
10 28	1 14.68	+15 25.1	1.511	2.488	5.4	18.8
11 7	1 7.63	+14 19.2	1.572	2.507	9.4	19.1
11 17	1 2.89	+13 21.8	1.656	2.526	13.2	19.4

120822 1998 HK_{96} 10 16.2 116°.94 1°.2/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.60	+ 8 49.0	2.110	2.923	13.7	20.9
9 18	1 46.76	+ 8 0.7	2.045	2.942	10.6	20.8
9 28	1 40.02	+ 7 2.1	2.003	2.961	6.9	20.6
10 8	1 31.98	+ 5 57.6	1.988	2.979	3.1	20.4
10 18	1 23.44	+ 4 52.5	2.003	2.996	1.7	20.3
10 28	1 15.29	+ 3 52.9	2.047	3.013	5.3	20.6
11 7	1 8.33	+ 3 3.9	2.119	3.029	8.9	20.8
11 17	1 3.13	+ 2 29.0	2.216	3.045	11.9	21.1

437759 2014 GG_{47} 10 16.2 321°.84 3°.3/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 40.56	− 5 54.1	4.109	4.939	7.3	21.0
9 18	1 37.52	− 6 41.3	4.034	4.936	5.7	20.9
9 28	1 33.56	− 7 28.2	3.985	4.934	4.2	20.7
10 8	1 28.98	− 8 11.7	3.964	4.931	3.3	20.7
10 18	1 24.11	− 8 49.0	3.973	4.928	3.7	20.7
10 28	1 19.35	− 9 17.7	4.011	4.925	5.0	20.8
11 7	1 15.05	− 9 36.0	4.076	4.922	6.6	20.9
11 17	1 11.55	− 9 43.1	4.166	4.920	8.1	21.0

50295 2000 CR_{31} 10 16.2 305°.05 0°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.16	+12 19.7	1.800	2.618	15.6	19.4
9 18	1 45.54	+12 0.3	1.715	2.612	12.3	19.2
9 28	1 39.60	+11 26.6	1.652	2.607	8.4	18.9
10 8	1 31.95	+10 41.4	1.613	2.602	4.0	18.7
10 18	1 23.44	+ 9 48.9	1.601	2.597	0.8	18.4
10 28	1 15.14	+ 8 55.6	1.617	2.592	5.3	18.8
11 7	1 8.08	+ 8 8.2	1.660	2.587	9.7	19.0
11 17	1 3.04	+ 7 32.0	1.726	2.583	13.4	19.2

471283 2011 FH_{105} 10 16.2 318°.83 0°.9/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.71	+ 7 54.4	1.265	2.116	19.0	20.5
9 18	1 47.88	+ 7 53.9	1.180	2.097	15.0	20.2
9 28	1 41.86	+ 7 41.0	1.114	2.079	10.2	19.9
10 8	1 33.23	+ 7 18.8	1.070	2.062	4.7	19.5
10 18	1 23.12	+ 6 52.4	1.050	2.045	1.7	19.3
10 28	1 13.10	+ 6 29.0	1.054	2.029	7.5	19.6
11 7	1 4.74	+ 6 15.6	1.082	2.014	13.1	19.9
11 17	0 59.21	+ 6 17.5	1.130	2.000	18.0	20.1

324796 2007 HZ_{19} 10 16.2 98°.33 1°.6/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.08	+ 4 57.6	2.333	3.153	12.4	21.1
9 18	1 45.54	+ 4 41.0	2.256	3.157	9.5	20.9
9 28	1 39.23	+ 4 18.6	2.202	3.161	6.3	20.7
10 8	1 31.66	+ 3 53.6	2.175	3.165	3.0	20.5
10 18	1 23.52	+ 3 29.6	2.178	3.170	2.0	20.4
10 28	1 15.63	+ 3 10.4	2.209	3.174	5.2	20.7
11 7	1 8.73	+ 2 59.6	2.269	3.178	8.4	20.9
11 17	1 3.41	+ 2 59.2	2.354	3.182	11.3	21.1

154456 2003 CE_{18} 10 16.2 156°.95 1°.3/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.86	+ 8 37.1	1.883	2.703	14.9	20.9
9 18	1 47.36	+ 7 56.1	1.808	2.709	11.5	20.7
9 28	1 40.65	+ 7 3.5	1.754	2.713	7.6	20.4
10 8	1 32.36	+ 6 3.6	1.727	2.718	3.4	20.2
10 18	1 23.37	+ 5 2.1	1.728	2.722	1.8	20.1
10 28	1 14.69	+ 4 5.7	1.757	2.725	5.9	20.4
11 7	1 7.29	+ 3 20.2	1.814	2.728	9.9	20.6
11 17	1 1.85	+ 2 49.8	1.895	2.731	13.3	20.8

132552 2002 JK_{76} 10 16.2 251°.45 1°.6/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.52	+16 9.2	1.956	2.753	15.3	20.6
9 18	1 46.56	+15 52.7	1.858	2.739	12.3	20.4
9 28	1 40.31	+15 19.6	1.780	2.726	8.7	20.1
10 8	1 32.30	+14 31.5	1.728	2.711	4.6	19.9
10 18	1 23.36	+13 31.5	1.703	2.697	1.6	19.6
10 28	1 14.53	+12 25.7	1.706	2.682	5.0	19.8
11 7	1 6.84	+11 21.4	1.737	2.667	9.1	20.0
11 17	1 1.11	+10 25.2	1.794	2.652	12.9	20.2

149048 2002 BP_{15} 10 16.2 289°.11 0°.1/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.98	+11 2.4	2.099	2.914	13.8	20.4
9 18	1 44.25	+10 36.8	2.013	2.909	10.8	20.2
9 28	1 38.56	+ 9 59.6	1.948	2.904	7.2	20.0
10 8	1 31.42	+ 9 13.4	1.910	2.899	3.3	19.7
10 18	1 23.57	+ 8 22.4	1.899	2.895	0.8	19.5
10 28	1 15.92	+ 7 32.2	1.917	2.890	4.9	19.8
11 7	1 9.31	+ 6 48.3	1.963	2.885	8.7	20.1
11 17	1 4.41	+ 6 15.1	2.033	2.881	12.1	20.3

443365 2014 GC_{44} 10 16.2 202°.80 3°.1/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.39	+21 3.9	2.195	2.963	14.7	21.8
9 18	1 46.16	+20 54.7	2.102	2.960	12.0	21.6
9 28	1 39.86	+20 28.0	2.029	2.956	8.9	21.4
10 8	1 32.03	+19 44.2	1.981	2.953	5.5	21.2
10 18	1 23.44	+18 45.7	1.961	2.948	3.2	21.0
10 28	1 15.04	+17 37.5	1.970	2.944	4.7	21.1
11 7	1 7.73	+16 26.2	2.007	2.939	8.0	21.3
11 17	1 2.22	+15 18.8	2.071	2.933	11.3	21.5

2190 Coubertin 10 16.2 160°.61 0°.4/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.02	+12 40.8	1.862	2.671	15.5	17.5
9 18	1 47.59	+12 18.4	1.783	2.675	12.2	17.3
9 28	1 40.88	+11 41.8	1.725	2.678	8.3	17.1
10 8	1 32.50	+10 53.9	1.693	2.681	3.9	16.8
10 18	1 23.34	+ 9 59.0	1.688	2.684	0.8	16.6
10 28	1 14.49	+ 9 3.4	1.712	2.686	5.2	16.9
11 7	1 6.92	+ 8 13.8	1.763	2.688	9.4	17.2
11 17	1 1.39	+ 7 35.3	1.839	2.690	13.0	17.4

394916 2008 VT_{79} 10 16.2 314°.88 0°.3/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.11	+ 9 11.5	1.467	2.305	17.5	20.5
9 18	1 47.10	+ 9 13.0	1.369	2.279	13.9	20.2
9 28	1 41.20	+ 9 2.4	1.291	2.253	9.5	19.8
10 8	1 32.92	+ 8 41.8	1.236	2.227	4.4	19.5
10 18	1 23.21	+ 8 15.2	1.206	2.202	1.1	19.2
10 28	1 13.45	+ 7 48.8	1.202	2.177	6.7	19.5
11 7	1 5.05	+ 7 29.5	1.223	2.154	12.0	19.7
11 17	0 59.16	+ 7 22.7	1.265	2.131	16.7	19.9

63011 2000 WZ_{36} 10 16.2 266°.31 4°.3/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.04	+ 2 45.0	1.472	2.321	16.8	19.3
9 18	1 47.47	+ 1 42.8	1.394	2.311	13.1	19.0
9 28	1 41.16	+ 0 30.2	1.337	2.302	8.9	18.7
10 8	1 32.75	− 0 45.4	1.304	2.291	5.0	18.5
10 18	1 23.29	− 1 55.1	1.297	2.281	5.1	18.5
10 28	1 14.08	− 2 49.7	1.316	2.271	9.1	18.7
11 7	1 6.37	− 3 22.7	1.359	2.261	13.5	18.9
11 17	1 1.08	− 3 31.1	1.423	2.250	17.4	19.1

381102 2007 CA_{44} 10 16.2 274°.60 3°.8/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.08	+19 28.5	1.619	2.414	18.0	20.5
9 18	1 48.32	+19 43.3	1.530	2.405	14.8	20.3
9 28	1 41.78	+19 38.6	1.460	2.397	10.9	20.0
10 8	1 33.08	+19 13.7	1.413	2.389	6.7	19.7
10 18	1 23.21	+18 30.4	1.391	2.380	3.8	19.6
10 28	1 13.50	+17 34.2	1.397	2.372	5.9	19.7
11 7	1 5.24	+16 33.4	1.428	2.364	10.2	19.9
11 17	0 59.41	+15 36.6	1.483	2.355	14.3	20.1

4119 Miles 10 16.2 185°.25 5°.6/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 49.10	− 7 6.9	2.426	3.260	11.5	16.9
9 18	1 44.72	− 8 13.5	2.357	3.260	9.1	16.7
9 28	1 38.65	− 9 19.2	2.313	3.259	6.9	16.6
10 8	1 31.40	−10 18.2	2.296	3.258	5.6	16.5
10 18	1 23.62	−11 5.0	2.307	3.257	6.2	16.6
10 28	1 16.07	−11 35.1	2.345	3.256	8.3	16.7
11 7	1 9.48	−11 46.2	2.410	3.254	10.6	16.8
11 17	1 4.39	−11 38.0	2.497	3.252	12.9	17.0

221779 2007 LG_{8} 10 16.2 285°.45 6°.9/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.50	−10 35.9	2.253	3.091	12.2	20.0
9 18	1 44.51	−11 41.1	2.177	3.077	9.9	19.9
9 28	1 38.66	−12 43.3	2.125	3.063	7.9	19.7
10 8	1 31.46	−13 36.1	2.098	3.050	6.9	19.6
10 18	1 23.60	−14 13.3	2.098	3.036	7.6	19.7
10 28	1 15.93	−14 30.3	2.125	3.022	9.7	19.8
11 7	1 9.25	−14 25.1	2.176	3.008	12.1	19.9
11 17	1 4.17	−13 58.1	2.248	2.995	14.4	20.1

479451 2013 YJ_{121} 10 16.2 228°.50 3°.9/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.76	+ 1 53.7	1.773	2.613	14.9	21.6
9 18	1 46.71	+ 0 54.7	1.696	2.608	11.5	21.3
9 28	1 40.36	− 0 11.8	1.640	2.603	7.8	21.1
10 8	1 32.30	− 1 19.4	1.611	2.597	4.5	20.9
10 18	1 23.42	− 2 20.9	1.608	2.591	4.6	20.9
10 28	1 14.80	− 3 9.1	1.633	2.585	8.0	21.1
11 7	1 7.45	− 3 38.9	1.684	2.578	11.8	21.3
11 17	1 2.14	− 3 47.9	1.757	2.572	15.2	21.5

378571 2008 DX_{31} 10 16.2 127°.70 1°.1/15.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.99	+ 8 20.6	1.757	2.577	15.8	21.7
9 18	1 49.85	+ 7 52.2	1.690	2.590	12.3	21.5
9 28	1 42.34	+ 7 12.8	1.644	2.603	8.1	21.3
10 8	1 33.15	+ 6 26.5	1.624	2.615	3.6	21.1
10 18	1 23.25	+ 5 38.5	1.632	2.626	1.7	21.0
10 28	1 13.79	+ 4 55.3	1.668	2.637	6.0	21.3
11 7	1 5.78	+ 4 22.3	1.731	2.648	10.1	21.6
11 17	0 59.95	+ 4 3.3	1.819	2.657	13.7	21.8

154485 2003 EZ_{32} 10 16.2 194°.93 0°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.38	+10 45.2	1.820	2.635	15.5	20.8
9 18	1 47.97	+10 24.4	1.738	2.634	12.2	20.5
9 28	1 41.20	+ 9 50.9	1.677	2.633	8.2	20.3
10 8	1 32.69	+ 9 7.6	1.641	2.631	3.8	20.0
10 18	1 23.34	+ 8 19.0	1.633	2.629	0.9	19.8
10 28	1 14.24	+ 7 31.3	1.654	2.627	5.5	20.1
11 7	1 6.44	+ 6 50.7	1.702	2.624	9.8	20.4
11 17	1 0.71	+ 6 22.1	1.773	2.621	13.5	20.6

404008 2012 CC_{2} 10 16.2 43°.94 3°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.53	+20 2.5	2.055	2.832	15.3	21.1
9 18	1 46.34	+20 21.9	1.975	2.839	12.5	20.9
9 28	1 40.01	+20 25.6	1.917	2.846	9.2	20.7
10 8	1 32.11	+20 13.3	1.882	2.853	5.9	20.5
10 18	1 23.47	+19 46.6	1.875	2.860	3.6	20.4
10 28	1 15.08	+19 9.5	1.895	2.868	5.0	20.5
11 7	1 7.87	+18 27.6	1.943	2.876	8.1	20.7
11 17	1 2.56	+17 47.0	2.017	2.884	11.3	20.9

83285 2001 RV_{89} 10 16.2 245°.06 2°.2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.58	+ 5 29.1	2.041	2.870	13.6	19.6
9 18	1 44.73	+ 4 45.0	1.959	2.867	10.5	19.4
9 28	1 38.88	+ 3 52.2	1.901	2.863	6.9	19.2
10 8	1 31.59	+ 2 55.3	1.869	2.859	3.3	19.0
10 18	1 23.60	+ 1 59.7	1.865	2.855	2.7	18.9
10 28	1 15.84	+ 1 11.5	1.889	2.851	6.2	19.1
11 7	1 9.16	+ 0 35.7	1.941	2.847	9.8	19.3
11 17	1 4.22	+ 0 15.3	2.016	2.843	13.0	19.6

384370 2009 UC_{131} 10 16.2 338°.64 8°.2/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.74	+22 29.6	1.135	1.955	22.7	20.1
9 18	1 46.28	+23 52.7	1.053	1.937	19.3	19.8
9 28	1 41.25	+24 54.8	0.987	1.920	15.3	19.5
10 8	1 33.17	+25 29.9	0.940	1.905	11.2	19.3
10 18	1 23.19	+25 34.2	0.913	1.891	8.4	19.1
10 28	1 13.17	+25 9.6	0.908	1.879	9.4	19.1
11 7	1 5.03	+24 24.9	0.925	1.868	13.3	19.3
11 17	1 0.22	+23 32.1	0.961	1.860	17.8	19.5

318228 2004 RJ_{219} 10 16.2 28°.63 6°.7/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.22	+30 3.7	2.140	2.861	16.3	20.2
9 18	1 46.30	+30 38.5	2.053	2.864	14.1	20.0
9 28	1 40.11	+30 52.6	1.986	2.867	11.5	19.9
10 8	1 32.21	+30 43.6	1.940	2.869	8.9	19.7
10 18	1 23.46	+30 11.3	1.919	2.873	7.0	19.6
10 28	1 14.90	+29 18.7	1.925	2.876	7.0	19.6
11 7	1 7.57	+28 12.0	1.957	2.879	8.8	19.8
11 17	1 2.21	+26 59.2	2.015	2.883	11.3	19.9

435631 2008 SE_{133} 10 16.2 87°.55 1°.4/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 48.95	+18 13.2	1.721	2.522	16.9	21.1
9 18	1 45.31	+17 15.5	1.651	2.535	13.4	20.9
9 28	1 39.36	+15 56.1	1.601	2.547	9.3	20.7
10 8	1 31.80	+14 18.7	1.575	2.560	4.8	20.4
10 18	1 23.58	+12 30.1	1.577	2.573	1.4	20.2
10 28	1 15.78	+10 39.8	1.608	2.585	5.1	20.5
11 7	1 9.39	+ 8 57.7	1.667	2.597	9.4	20.8
11 17	1 5.08	+ 7 31.4	1.751	2.609	13.2	21.1

97623 2000 EL_{118} 10 16.2 203°.82 2°.2/13.9 18

9 8	1 49.82	+ 2 32.1	2.612	3.431	11.2	19.3
9 18	1 45.19	+ 2 10.7	2.528	3.429	8.7	19.1
9 28	1 38.95	+ 1 45.3	2.468	3.427	5.8	18.9
10 8	1 31.56	+ 1 19.1	2.436	3.424	3.0	18.7
10 18	1 23.62	+ 0 55.7	2.433	3.421	2.6	18.7
10 28	1 15.87	+ 0 38.6	2.460	3.418	5.2	18.9
11 7	1 8.97	+ 0 30.6	2.516	3.415	8.2	19.0
11 17	1 3.49	+ 0 33.5	2.597	3.411	10.8	19.2

411168 2010 DD_{29} 10 16.2 318°.92 0°.7/17.0 17

9 8	1 44.61	+15 42.9	2.229	3.031	13.5	21.2
9 18	1 41.58	+14 52.6	2.138	3.024	10.7	21.0
9 28	1 36.75	+13 46.1	2.068	3.018	7.3	20.8
10 8	1 30.61	+12 26.4	2.025	3.011	3.6	20.6
10 18	1 23.83	+10 58.3	2.010	3.005	0.8	20.3
10 28	1 17.24	+ 9 28.5	2.024	2.999	4.4	20.6
11 7	1 11.61	+ 8 4.1	2.067	2.994	8.1	20.8
11 17	1 7.55	+ 6 51.0	2.136	2.988	11.4	21.0

442908 2013 CC_{16} 10 16.2 10°.54 2°.3/18.1 18

9 8	1 50.93	+15 59.5	1.792	2.594	16.2	21.1
9 18	1 46.96	+16 10.3	1.711	2.595	13.0	20.9
9 28	1 40.60	+16 6.0	1.651	2.596	9.3	20.7
10 8	1 32.46	+15 47.3	1.615	2.597	5.2	20.4
10 18	1 23.43	+15 16.6	1.606	2.599	2.3	20.3
10 28	1 14.65	+14 38.9	1.624	2.600	5.1	20.5
11 7	1 7.19	+14 0.5	1.669	2.602	9.2	20.7
11 17	1 1.84	+13 27.4	1.738	2.604	12.9	20.9

93854 2000 WH_{97} 10 16.2 264°.07 4°.1/20.6 18

9 8	1 48.59	+23 41.1	2.279	3.034	14.6	19.1
9 18	1 44.79	+23 45.6	2.182	3.028	12.1	18.9
9 28	1 38.98	+23 32.5	2.106	3.022	9.3	18.7
10 8	1 31.68	+23 1.4	2.055	3.016	6.3	18.5
10 18	1 23.61	+22 13.6	2.030	3.009	4.2	18.4
10 28	1 15.68	+21 13.3	2.033	3.003	5.0	18.4
11 7	1 8.79	+20 6.5	2.065	2.997	7.8	18.6
11 17	1 3.62	+19 0.1	2.123	2.991	10.8	18.8

76814 2000 QL_{164} 10 16.2 354°.22 8°.6/25.1 18 R

9 8	1 48.51	+33 58.8	1.857	2.570	18.8	18.5
9 18	1 45.49	+34 35.1	1.770	2.568	16.5	18.3
9 28	1 39.84	+34 45.4	1.699	2.566	13.9	18.1
10 8	1 32.19	+34 26.0	1.649	2.564	11.2	17.9
10 18	1 23.50	+33 35.8	1.621	2.563	9.1	17.8
10 28	1 15.03	+32 18.1	1.618	2.562	8.7	17.8
11 7	1 8.00	+30 41.2	1.641	2.562	10.2	17.9
11 17	1 3.27	+28 55.5	1.688	2.563	12.7	18.0

449233 2013 CJ_{136} 10 16.2 197°.47 2°.9/13.2 18

9 8	1 50.91	+ 1 14.2	2.404	3.228	12.0	21.5
9 18	1 46.18	+ 0 38.4	2.322	3.225	9.2	21.3
9 28	1 39.69	− 0 1.4	2.264	3.222	6.2	21.1
10 8	1 31.93	− 0 41.3	2.233	3.219	3.5	20.9
10 18	1 23.58	− 1 16.7	2.232	3.215	3.4	20.9
10 28	1 15.43	− 1 43.2	2.260	3.211	6.1	21.1
11 7	1 8.24	− 1 57.7	2.315	3.207	9.1	21.3
11 17	1 2.58	− 1 58.3	2.396	3.202	11.9	21.4

199791 2006 MN_{9} 10 16.2 48°.50 2°.4/20.7 18

9 8	1 41.80	+23 0.8	4.216	4.953	8.6	19.7
9 18	1 38.55	+22 56.0	4.123	4.957	7.1	19.6
9 28	1 34.31	+22 41.5	4.053	4.962	5.4	19.5
10 8	1 29.39	+22 17.9	4.009	4.967	3.6	19.3
10 18	1 24.16	+21 46.2	3.994	4.972	2.4	19.3
10 28	1 19.03	+21 8.6	4.009	4.977	2.9	19.3
11 7	1 14.41	+20 27.8	4.054	4.982	4.4	19.4
11 17	1 10.63	+19 46.6	4.127	4.987	6.2	19.5

400958 2010 VQ_{181} 10 16.2 18°.94 5°.2/12.0 18

9 8	1 50.40	− 3 59.5	1.814	2.660	14.3	20.6
9 18	1 46.25	− 4 37.2	1.751	2.664	11.2	20.4
9 28	1 39.93	− 5 14.9	1.710	2.668	7.9	20.3
10 8	1 32.08	− 5 46.7	1.695	2.673	5.5	20.1
10 18	1 23.57	− 6 6.9	1.706	2.678	5.8	20.2
10 28	1 15.44	− 6 10.9	1.743	2.684	8.5	20.3
11 7	1 8.59	− 5 56.7	1.806	2.690	11.7	20.5
11 17	1 3.70	− 5 24.3	1.891	2.696	14.6	20.8

469850 2005 TL_{126} 10 16.2 46°.82 0°.6/15.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 52.47	+ 9 39.2	1.317	2.158	18.9	21.6
9 18	1 48.61	+ 9 23.4	1.261	2.172	14.7	21.4
9 28	1 41.85	+ 8 53.5	1.224	2.186	9.8	21.2
10 8	1 33.03	+ 8 13.4	1.210	2.201	4.4	20.9
10 18	1 23.37	+ 7 29.4	1.220	2.216	1.3	20.7
10 28	1 14.29	+ 6 49.0	1.257	2.231	6.6	21.1
11 7	1 7.02	+ 6 19.3	1.318	2.247	11.5	21.5
11 17	1 2.38	+ 6 4.6	1.402	2.263	15.6	21.8

82419 2001 ND_{17} 10 16.2 228°.62 4°.7/20.3 18

9 8	1 53.68	+22 49.2	2.144	2.899	15.4	19.8
9 18	1 48.94	+23 22.7	2.049	2.894	12.8	19.6
9 28	1 41.90	+23 40.1	1.974	2.888	9.9	19.4
10 8	1 33.09	+23 40.0	1.924	2.883	6.8	19.2
10 18	1 23.32	+23 22.3	1.900	2.877	4.8	19.1
10 28	1 13.67	+22 49.9	1.904	2.871	5.6	19.1
11 7	1 5.15	+22 8.3	1.937	2.865	8.5	19.3
11 17	0 58.59	+21 23.9	1.995	2.858	11.6	19.5

4704 Sheena 10 16.2 254°.13 1°.9/18.2 18

9 8	1 48.39	+18 41.9	2.005	2.794	15.2	18.2
9 18	1 44.85	+18 6.9	1.907	2.782	12.3	18.0
9 28	1 39.14	+17 12.4	1.830	2.770	8.8	17.7
10 8	1 31.80	+15 59.9	1.777	2.758	4.9	17.5
10 18	1 23.62	+14 33.6	1.752	2.746	1.9	17.2
10 28	1 15.59	+13 0.5	1.757	2.733	4.8	17.4
11 7	1 8.69	+11 29.0	1.789	2.721	8.8	17.6
11 17	1 3.64	+10 6.8	1.847	2.708	12.5	17.8

164482 2006 FG_{24} 10 16.2 99°.83 1°.3/15.1 18

9 8	1 50.55	+ 8 40.4	1.835	2.660	15.1	20.8
9 18	1 46.36	+ 7 58.2	1.768	2.671	11.6	20.6
9 28	1 39.99	+ 7 4.6	1.722	2.682	7.7	20.4
10 8	1 32.11	+ 6 4.0	1.702	2.693	3.4	20.1
10 18	1 23.57	+ 5 2.4	1.710	2.704	1.8	20.1
10 28	1 15.42	+ 4 6.3	1.746	2.714	5.9	20.3
11 7	1 8.57	+ 3 21.7	1.809	2.725	9.8	20.6
11 17	1 3.66	+ 2 52.2	1.896	2.735	13.2	20.8

162787 2000 YB_{22} 10 16.2 247°.43 2°.2/14.2 18

9 8	1 51.98	+ 4 43.6	2.061	2.885	13.7	19.8
9 18	1 47.48	+ 4 11.4	1.967	2.870	10.6	19.5
9 28	1 40.84	+ 3 31.3	1.895	2.855	7.1	19.3
10 8	1 32.57	+ 2 47.4	1.850	2.840	3.5	19.0
10 18	1 23.45	+ 2 4.5	1.833	2.824	2.7	19.0
10 28	1 14.45	+ 1 28.3	1.845	2.807	6.3	19.2
11 7	1 6.51	+ 1 3.6	1.885	2.790	10.1	19.4
11 17	1 0.39	+ 0 53.4	1.949	2.773	13.5	19.5

12753 Povenmire 10 16.2 167°.06 7°.0/ 9.3 18 A

9 8	1 52.69	−10 31.5	2.157	2.989	12.9	17.6
9 18	1 47.68	−11 38.6	2.096	2.993	10.4	17.5
9 28	1 40.72	−12 41.9	2.058	2.996	8.2	17.3
10 8	1 32.40	−13 34.5	2.047	2.999	7.0	17.3
10 18	1 23.51	−14 10.2	2.063	3.001	7.7	17.3
10 28	1 14.96	−14 24.9	2.106	3.003	9.7	17.4
11 7	1 7.57	−14 17.1	2.173	3.005	12.1	17.6
11 17	1 1.95	−13 47.9	2.263	3.006	14.4	17.8

143370 2003 BJ_{9} 10 16.2 187°.15 1°.1/15.3 18

9 8	1 53.31	+ 8 8.4	1.943	2.760	14.6	21.1
9 18	1 48.52	+ 7 40.6	1.861	2.760	11.4	20.9
9 28	1 41.50	+ 7 2.5	1.801	2.759	7.6	20.6
10 8	1 32.85	+ 6 17.6	1.767	2.758	3.4	20.4
10 18	1 23.41	+ 5 30.7	1.762	2.756	1.7	20.2
10 28	1 14.23	+ 4 47.7	1.785	2.754	5.7	20.5
11 7	1 6.28	+ 4 13.9	1.836	2.751	9.7	20.8
11 17	1 0.29	+ 3 53.2	1.912	2.748	13.2	21.0

503373 2016 CL_{31} 10 16.2 15°.16 19°.2/30.9 17

9 8	1 55.59	+41 22.1	1.029	1.756	30.1	20.8
9 18	1 53.94	+44 7.3	0.973	1.758	27.8	20.6
9 28	1 47.35	+46 15.9	0.927	1.760	25.2	20.4
10 8	1 36.31	+47 33.8	0.894	1.764	22.6	20.3
10 18	1 22.56	+47 49.0	0.876	1.769	20.4	20.2
10 28	1 9.03	+46 58.8	0.873	1.775	19.3	20.1
11 7	0 58.63	+45 14.1	0.888	1.782	19.6	20.2
11 17	0 53.16	+42 54.4	0.919	1.789	21.1	20.3

208540 2002 AY_{19} 10 16.2 13°.47 4°.5/13.4 18

9 8	1 46.12	+ 4 9.4	0.926	1.812	21.4	18.8
9 18	1 44.65	+ 3 12.8	0.878	1.815	16.5	18.5
9 28	1 39.70	+ 2 2.7	0.846	1.819	11.0	18.2
10 8	1 32.20	+ 0 49.2	0.834	1.825	5.8	18.0
10 18	1 23.57	− 0 15.9	0.844	1.833	5.5	18.0
10 28	1 15.59	− 1 1.0	0.875	1.842	10.4	18.3
11 7	1 9.77	− 1 19.2	0.927	1.852	15.6	18.6
11 17	1 6.99	− 1 8.9	0.997	1.864	20.1	18.9

477028 2008 YY_{172} 10 16.2 318°.34 0°.6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 47.91	+12 48.8	1.564	2.392	17.0	21.4
9 18	1 45.05	+12 30.8	1.477	2.379	13.5	21.1
9 28	1 39.59	+11 56.1	1.409	2.366	9.3	20.8
10 8	1 32.11	+11 7.2	1.365	2.354	4.5	20.5
10 18	1 23.56	+10 8.8	1.346	2.342	0.9	20.2
10 28	1 15.17	+ 9 8.6	1.354	2.331	5.9	20.6
11 7	1 8.14	+ 8 14.6	1.387	2.320	10.8	20.8
11 17	1 3.37	+ 7 33.6	1.444	2.309	15.0	21.0

514885 2008 LR_{7} 10 16.2 131°.44 0°.4/15.7 18

9 8	1 47.11	+11 18.6	2.422	3.229	12.4	21.9
9 18	1 43.23	+10 29.3	2.343	3.236	9.6	21.7
9 28	1 37.69	+ 9 28.7	2.288	3.244	6.4	21.5
10 8	1 31.01	+ 8 20.3	2.260	3.251	2.9	21.3
10 18	1 23.83	+ 7 8.8	2.262	3.257	1.0	21.2
10 28	1 16.89	+ 5 59.8	2.294	3.264	4.5	21.5
11 7	1 10.88	+ 4 58.6	2.354	3.270	7.8	21.7
11 17	1 6.34	+ 4 9.2	2.440	3.276	10.7	21.9

393586 2003 SZ_{276} 10 16.2 317°.62 3°.4/19.5 18

9 8	1 44.29	+22 25.7	1.556	2.355	18.5	20.5
9 18	1 42.41	+21 51.5	1.459	2.336	15.2	20.2
9 28	1 37.91	+20 49.0	1.380	2.318	11.3	19.9
10 8	1 31.37	+19 18.2	1.323	2.299	6.9	19.6
10 18	1 23.72	+17 23.6	1.291	2.282	3.5	19.4
10 28	1 16.20	+15 14.7	1.286	2.265	5.7	19.5
11 7	1 10.04	+13 4.7	1.308	2.249	10.4	19.7
11 17	1 6.19	+11 5.8	1.353	2.233	14.9	19.9

441308 2008 AS_{52} 10 16.2 104°.20 1°.8/17.9 18

9 8	1 50.21	+16 29.7	2.053	2.845	14.8	21.5
9 18	1 46.03	+16 20.8	1.974	2.852	11.8	21.3
9 28	1 39.77	+15 57.0	1.916	2.859	8.3	21.1
10 8	1 32.03	+15 19.8	1.884	2.866	4.6	20.9
10 18	1 23.61	+14 32.3	1.879	2.872	1.8	20.7
10 28	1 15.46	+13 39.9	1.902	2.879	4.5	20.9
11 7	1 8.48	+12 48.5	1.954	2.885	8.2	21.1
11 17	1 3.33	+12 3.6	2.032	2.891	11.6	21.4

374830 2006 UF_{222} 10 16.2 54°.24 1°.8/17.7 17

9 8	1 49.55	+19 4.4	1.214	2.038	21.2	20.5
9 18	1 46.52	+18 6.6	1.163	2.059	16.9	20.3
9 28	1 40.49	+16 40.4	1.129	2.081	11.7	20.1
10 8	1 32.40	+14 51.2	1.118	2.104	6.1	19.8
10 18	1 23.56	+12 48.6	1.131	2.126	1.8	19.6
10 28	1 15.46	+10 46.2	1.171	2.149	6.2	20.0
11 7	1 9.30	+ 8 57.0	1.235	2.172	11.3	20.3
11 17	1 5.81	+ 7 30.1	1.323	2.196	15.6	20.7

282952 2007 RV_{187} 10 16.2 82°.07 5°.3/21.7 18

9 8	1 51.64	+26 53.4	1.829	2.580	17.8	20.2
9 18	1 47.45	+26 51.9	1.760	2.598	14.9	20.0
9 28	1 40.84	+26 26.4	1.709	2.616	11.5	19.9
10 8	1 32.54	+25 36.4	1.680	2.635	8.1	19.7
10 18	1 23.52	+24 24.4	1.677	2.652	5.6	19.6
10 28	1 14.96	+22 57.0	1.702	2.670	6.0	19.7
11 7	1 7.88	+21 23.2	1.754	2.688	8.8	19.9
11 17	1 2.99	+19 52.1	1.832	2.705	12.0	20.1

282696 2006 AD_{62} 10 16.2 110°.20 0°.5/15.8 18

9 8	1 51.76	+10 58.5	1.864	2.679	15.2	21.2
9 18	1 47.26	+10 20.6	1.797	2.693	11.8	21.0
9 28	1 40.58	+ 9 29.7	1.751	2.708	7.9	20.8
10 8	1 32.38	+ 8 29.6	1.731	2.722	3.5	20.6
10 18	1 23.56	+ 7 26.0	1.740	2.735	1.1	20.4
10 28	1 15.15	+ 6 25.5	1.777	2.748	5.4	20.8
11 7	1 8.05	+ 5 34.3	1.841	2.761	9.4	21.1
11 17	1 2.92	+ 4 56.8	1.930	2.773	12.8	21.3

514821 2007 VZ_{179} 10 16.2 16°.52 3°.0/13.9 18

9 8	1 51.64	+ 2 43.6	1.723	2.562	15.3	21.9
9 18	1 47.43	+ 2 16.6	1.651	2.563	11.8	21.7
9 28	1 40.86	+ 1 43.6	1.602	2.564	7.9	21.4
10 8	1 32.58	+ 1 9.3	1.577	2.565	4.1	21.2
10 18	1 23.51	+ 0 39.4	1.578	2.567	3.5	21.2
10 28	1 14.77	+ 0 19.3	1.608	2.569	7.1	21.4
11 7	1 7.38	+ 0 13.1	1.663	2.571	11.0	21.6
11 17	1 2.09	+ 0 22.9	1.741	2.573	14.5	21.9

228010 2007 RL_{164} 10 16.2 336°.70 0°.6/17.4 18

9 8	1 41.02	+13 54.3	4.433	5.215	7.6	20.7
9 18	1 37.87	+13 38.7	4.339	5.214	5.9	20.5
9 28	1 33.84	+13 16.7	4.270	5.214	4.1	20.4
10 8	1 29.19	+12 49.5	4.230	5.214	2.1	20.3
10 18	1 24.27	+12 18.8	4.219	5.214	0.6	20.1
10 28	1 19.43	+11 46.7	4.239	5.214	2.3	20.3
11 7	1 15.03	+11 15.5	4.289	5.213	4.3	20.4
11 17	1 11.38	+10 47.4	4.367	5.213	6.1	20.6

108535 2001 LG_{6} 10 16.2 34°.57 6°.2/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.68	− 1 24.1	1.225	2.091	18.5	19.0
9 18	1 47.34	− 2 29.8	1.176	2.101	14.3	18.8
9 28	1 41.06	− 3 39.5	1.146	2.111	10.0	18.6
10 8	1 32.71	− 4 43.7	1.139	2.122	6.6	18.4
10 18	1 23.53	− 5 32.7	1.156	2.133	7.1	18.5
10 28	1 14.97	− 5 58.7	1.197	2.145	10.6	18.7
11 7	1 8.26	− 5 58.3	1.260	2.158	14.7	19.0
11 17	1 4.18	− 5 32.3	1.344	2.171	18.2	19.3

349167 2007 QB_{6} 10 16.2 80°.49 0°.4/16.6 17

9 8	1 52.43	+12 57.5	1.746	2.558	16.2	21.1
9 18	1 47.85	+12 29.8	1.687	2.580	12.7	20.9
9 28	1 40.99	+11 47.4	1.649	2.602	8.5	20.7
10 8	1 32.58	+10 53.9	1.635	2.624	4.0	20.5
10 18	1 23.56	+ 9 54.4	1.649	2.645	0.8	20.3
10 28	1 15.05	+ 8 55.8	1.692	2.667	5.2	20.7
11 7	1 7.98	+ 8 4.7	1.762	2.688	9.3	21.0
11 17	1 3.01	+ 7 25.9	1.856	2.708	12.8	21.3

21446 Tedflint 10 16.2 254°.57 1°.5/17.5 18

9 8	1 50.24	+15 42.5	1.852	2.655	15.8	18.8
9 18	1 46.46	+15 24.6	1.760	2.645	12.6	18.6
9 28	1 40.34	+14 49.8	1.688	2.636	8.9	18.3
10 8	1 32.42	+13 59.8	1.641	2.626	4.7	18.1
10 18	1 23.57	+12 58.4	1.621	2.615	1.5	17.8
10 28	1 14.88	+11 51.9	1.629	2.605	5.1	18.1
11 7	1 7.41	+10 47.9	1.664	2.595	9.4	18.3
11 17	1 1.97	+ 9 53.3	1.724	2.584	13.3	18.5

358655 2007 VF_{325} 10 16.2 351°.55 1°.2/17.1 18

9 8	1 47.37	+12 59.5	1.398	2.235	18.3	20.6
9 18	1 44.86	+13 2.0	1.322	2.228	14.5	20.4
9 28	1 39.57	+12 48.2	1.265	2.223	10.1	20.1
10 8	1 32.15	+12 19.8	1.229	2.218	5.0	19.8
10 18	1 23.64	+11 41.1	1.219	2.214	1.3	19.5
10 28	1 15.38	+10 58.9	1.234	2.212	6.0	19.9
11 7	1 8.67	+10 21.0	1.273	2.210	11.0	20.1
11 17	1 4.41	+ 9 53.9	1.334	2.210	15.3	20.4

37903 1998 FU_{67} 10 16.2 322°.68 2°.9/13.9 18

9 8	1 47.00	+ 6 9.2	1.479	2.330	16.7	18.2
9 18	1 44.36	+ 5 13.6	1.400	2.319	13.0	17.9
9 28	1 39.13	+ 4 4.6	1.341	2.308	8.6	17.6
10 8	1 31.92	+ 2 48.2	1.306	2.297	4.2	17.4
10 18	1 23.69	+ 1 32.8	1.297	2.287	3.6	17.3
10 28	1 15.70	+ 0 27.8	1.314	2.278	7.9	17.5
11 7	1 9.11	− 0 19.2	1.355	2.269	12.5	17.8
11 17	1 4.80	− 0 43.8	1.417	2.261	16.6	18.0

142845 2002 VZ_{21} 10 16.2 212°.22 2°.4/18.6 18

9 8	1 49.82	+18 18.4	2.088	2.873	14.8	20.1
9 18	1 45.82	+18 9.5	1.999	2.871	12.0	19.9
9 28	1 39.72	+17 44.5	1.931	2.869	8.6	19.7
10 8	1 32.08	+17 4.3	1.888	2.866	5.0	19.5
10 18	1 23.67	+16 11.6	1.872	2.863	2.4	19.3
10 28	1 15.45	+15 11.7	1.885	2.861	4.6	19.5
11 7	1 8.35	+14 11.0	1.926	2.858	8.2	19.7
11 17	1 3.07	+13 15.9	1.992	2.854	11.6	19.9

519454 2011 YP_{80} 10 16.2 182°.28 2°.5/14.4 17

9 8	1 52.65	+ 6 54.9	1.426	2.268	17.7	21.5
9 18	1 48.75	+ 6 5.1	1.355	2.268	13.8	21.2
9 28	1 42.03	+ 5 1.6	1.304	2.268	9.1	21.0
10 8	1 33.23	+ 3 50.6	1.277	2.268	4.3	20.7
10 18	1 23.43	+ 2 40.2	1.276	2.268	3.2	20.6
10 28	1 14.01	+ 1 39.6	1.301	2.267	7.8	20.9
11 7	1 6.23	+ 0 56.1	1.352	2.267	12.5	21.2
11 17	1 0.95	+ 0 33.9	1.424	2.266	16.6	21.4

24259 Chriswalker 10 16.2 26°.12 9°.6/ 6.4 18

9 8	1 41.95	+ 0 20.1	1.054	1.942	19.1	17.1
9 18	1 40.92	− 3 27.0	1.014	1.952	14.7	16.9
9 28	1 36.94	− 7 25.6	0.996	1.962	10.9	16.7
10 8	1 30.87	−11 12.6	1.003	1.974	9.6	16.7
10 18	1 23.96	−14 25.7	1.036	1.987	11.8	16.9
10 28	1 17.65	−16 49.1	1.091	2.001	15.5	17.1
11 7	1 13.14	−18 18.0	1.166	2.016	19.2	17.4
11 17	1 11.16	−18 55.7	1.258	2.032	22.2	17.7

490462 2009 SX_{271} 10 16.2 283°.14 1°.7/17.8 17

9 8	1 51.18	+14 38.5	2.351	3.140	13.2	21.7
9 18	1 46.75	+14 52.3	2.246	3.123	10.6	21.5
9 28	1 40.34	+14 55.5	2.163	3.106	7.5	21.3
10 8	1 32.40	+14 48.5	2.107	3.089	4.1	21.0
10 18	1 23.61	+14 32.8	2.078	3.072	1.7	20.8
10 28	1 14.85	+14 11.6	2.079	3.054	4.3	21.0
11 7	1 6.99	+13 49.2	2.109	3.037	7.9	21.2
11 17	1 0.77	+13 29.7	2.165	3.020	11.1	21.4

268748 2006 QB_{49} 10 16.2 123°.44 9°.7/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	2 10.49	+24 21.5	1.273	2.036	23.6	20.2
9 18	2 4.00	+26 27.9	1.202	2.045	20.1	20.0
9 28	1 53.17	+28 15.5	1.148	2.053	16.1	19.7
10 8	1 38.71	+29 34.7	1.116	2.061	12.2	19.5
10 18	1 22.21	+30 18.0	1.107	2.069	9.9	19.4
10 28	1 5.96	+30 24.7	1.124	2.076	10.7	19.5
11 7	0 52.20	+30 3.1	1.166	2.083	13.8	19.7
11 17	0 42.41	+29 26.1	1.229	2.090	17.5	20.0

117463 2005 BQ_{7} 10 16.2 294°.96 2°.5/18.5 17

9 8	1 51.46	+16 37.2	2.320	3.101	13.6	19.9
9 18	1 47.00	+17 1.2	2.220	3.090	11.0	19.7
9 28	1 40.51	+17 13.8	2.142	3.078	8.0	19.5
10 8	1 32.48	+17 14.9	2.089	3.066	4.7	19.2
10 18	1 23.60	+17 5.4	2.064	3.054	2.5	19.1
10 28	1 14.77	+16 48.2	2.068	3.042	4.5	19.2
11 7	1 6.90	+16 27.4	2.101	3.031	7.8	19.4
11 17	1 0.71	+16 7.6	2.160	3.019	11.0	19.6

303187 2004 FQ_{103} 10 16.2 225°.51 1°.5/14.7 18

9 8	1 51.68	+ 5 39.4	2.402	3.216	12.3	21.5
9 18	1 46.92	+ 5 15.4	2.308	3.206	9.5	21.3
9 28	1 40.30	+ 4 44.6	2.238	3.195	6.3	21.1
10 8	1 32.32	+ 4 10.1	2.195	3.184	3.0	20.8
10 18	1 23.65	+ 3 35.7	2.181	3.173	2.0	20.7
10 28	1 15.10	+ 3 5.7	2.197	3.161	5.2	20.9
11 7	1 7.49	+ 2 44.1	2.242	3.149	8.6	21.1
11 17	1 1.44	+ 2 33.8	2.312	3.136	11.6	21.3

184460 2005 NN_{80} 10 16.2 63°.23 1°.9/14.9 16

9 8	1 55.33	+ 7 3.9	1.323	2.164	18.9	20.3
9 18	1 50.61	+ 6 33.1	1.277	2.189	14.5	20.1
9 28	1 43.05	+ 5 50.9	1.250	2.214	9.5	19.9
10 8	1 33.56	+ 5 2.8	1.247	2.238	4.3	19.7
10 18	1 23.42	+ 4 15.9	1.270	2.263	2.5	19.7
10 28	1 14.02	+ 3 37.8	1.319	2.288	7.2	20.0
11 7	1 6.54	+ 3 14.1	1.393	2.313	11.7	20.4
11 17	1 1.67	+ 3 7.6	1.489	2.338	15.6	20.7

387436 2013 WB_{47} 10 16.2 14°.83 0°.4/15.9 18

9 8	1 45.68	+12 54.3	1.159	2.012	20.2	20.2
9 18	1 43.85	+12 4.3	1.097	2.015	15.8	20.0
9 28	1 38.98	+10 51.2	1.054	2.019	10.6	19.7
10 8	1 31.88	+ 9 21.0	1.032	2.024	4.8	19.4
10 18	1 23.76	+ 7 43.2	1.034	2.030	1.3	19.2
10 28	1 16.12	+ 6 10.3	1.060	2.036	7.2	19.6
11 7	1 10.29	+ 4 53.7	1.110	2.044	12.6	19.9
11 17	1 7.14	+ 4 0.6	1.181	2.053	17.2	20.2

493842 2015 WK_{6} 10 16.2 308°.19 0°.5/15.8 17

9 8	1 46.15	+10 43.9	1.986	2.809	14.1	21.7
9 18	1 43.14	+10 8.8	1.887	2.789	11.1	21.5
9 28	1 38.06	+ 9 20.3	1.810	2.768	7.5	21.2
10 8	1 31.38	+ 8 21.5	1.758	2.748	3.4	21.0
10 18	1 23.85	+ 7 17.2	1.733	2.729	1.1	20.7
10 28	1 16.39	+ 6 13.9	1.737	2.709	5.4	21.0
11 7	1 9.94	+ 5 18.3	1.767	2.690	9.5	21.2
11 17	1 5.25	+ 4 35.7	1.822	2.671	13.2	21.4

131187 2001 DW 10 16.2 91°.70 1°.0/15.4 18

9 8	1 51.21	+ 8 45.9	1.810	2.634	15.3	20.5
9 18	1 46.95	+ 8 15.4	1.742	2.644	11.8	20.3
9 28	1 40.46	+ 7 33.8	1.694	2.654	7.8	20.1
10 8	1 32.40	+ 6 45.1	1.673	2.663	3.5	19.9
10 18	1 23.65	+ 5 54.5	1.678	2.673	1.6	19.8
10 28	1 15.27	+ 5 8.2	1.712	2.683	5.7	20.1
11 7	1 8.21	+ 4 31.9	1.773	2.692	9.8	20.3
11 17	1 3.15	+ 4 9.3	1.858	2.701	13.2	20.6

518841 2010 CR_{236} 10 16.2 144°.43 0°.4/15.8 18

9 8	1 52.94	+ 7 36.8	2.683	3.483	11.5	21.7
9 18	1 47.58	+ 7 41.4	2.599	3.488	8.9	21.5
9 28	1 40.56	+ 7 40.1	2.540	3.493	6.0	21.3
10 8	1 32.38	+ 7 34.8	2.509	3.498	2.7	21.1
10 18	1 23.66	+ 7 27.6	2.508	3.503	0.8	21.0
10 28	1 15.13	+ 7 21.4	2.537	3.508	4.1	21.2
11 7	1 7.51	+ 7 18.9	2.597	3.512	7.2	21.4
11 17	1 1.33	+ 7 22.4	2.683	3.516	9.9	21.6

424 Gratia 10 16.2 314°.47 5°.1/11.9 18

9 8	1 49.13	− 1 50.8	1.762	2.610	14.6	13.7
9 18	1 45.54	− 2 43.6	1.685	2.600	11.4	13.5
9 28	1 39.67	− 3 40.2	1.630	2.590	8.0	13.3
10 8	1 32.11	− 4 33.9	1.600	2.581	5.4	13.1
10 18	1 23.72	− 5 17.7	1.597	2.572	5.8	13.1
10 28	1 15.56	− 5 45.2	1.620	2.563	8.8	13.3
11 7	1 8.63	− 5 52.6	1.668	2.554	12.3	13.5
11 17	1 3.69	− 5 38.7	1.737	2.546	15.5	13.7

171361 2006 KN_{108} 10 16.2 339°.85 1°.7/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 46.40	+15 22.9	1.412	2.242	18.5	20.0
9 18	1 44.16	+15 11.7	1.330	2.232	14.8	19.7
9 28	1 39.15	+14 40.4	1.268	2.223	10.4	19.4
10 8	1 32.01	+13 50.7	1.228	2.215	5.4	19.1
10 18	1 23.74	+12 47.3	1.212	2.207	1.7	18.9
10 28	1 15.70	+11 38.5	1.222	2.200	6.0	19.1
11 7	1 9.15	+10 33.8	1.256	2.195	11.0	19.4
11 17	1 5.04	+ 9 41.4	1.313	2.190	15.5	19.6

443558 2014 KQ_{25} 10 16.2 25°.93 0°.5/15.8 18

9 8	1 48.21	+11 1.9	1.927	2.746	14.6	20.9
9 18	1 44.62	+10 21.2	1.847	2.746	11.4	20.7
9 28	1 38.93	+ 9 27.0	1.789	2.747	7.6	20.5
10 8	1 31.74	+ 8 23.2	1.756	2.747	3.4	20.3
10 18	1 23.82	+ 7 15.0	1.752	2.747	1.1	20.1
10 28	1 16.17	+ 6 9.4	1.775	2.747	5.3	20.4
11 7	1 9.67	+ 5 12.8	1.826	2.748	9.3	20.6
11 17	1 5.01	+ 4 30.0	1.902	2.748	12.8	20.8

14153 Dianecaplain 10 16.2 262°.67 0°.1/16.2 18

9 8	1 50.35	+12 17.2	1.585	2.410	17.0	19.6
9 18	1 46.86	+11 43.3	1.502	2.403	13.4	19.4
9 28	1 40.76	+10 52.3	1.439	2.397	9.1	19.1
10 8	1 32.69	+ 9 47.6	1.400	2.390	4.2	18.8
10 18	1 23.61	+ 8 35.0	1.388	2.384	0.9	18.5
10 28	1 14.78	+ 7 23.0	1.403	2.377	6.1	18.9
11 7	1 7.36	+ 6 20.2	1.444	2.371	10.9	19.2
11 17	1 2.22	+ 5 32.9	1.507	2.364	15.0	19.4

439488 2013 YB_{116} 10 16.2 169°.96 1°.9/14.4 18

9 8	1 52.05	+ 5 48.7	2.090	2.910	13.6	22.2
9 18	1 47.35	+ 5 10.9	2.012	2.914	10.5	22.0
9 28	1 40.64	+ 4 24.9	1.957	2.916	7.0	21.8
10 8	1 32.49	+ 3 34.8	1.929	2.919	3.3	21.6
10 18	1 23.67	+ 2 45.6	1.929	2.920	2.4	21.5
10 28	1 15.13	+ 2 3.0	1.959	2.922	5.9	21.8
11 7	1 7.71	+ 1 31.6	2.016	2.923	9.5	22.0
11 17	1 2.08	+ 1 14.2	2.098	2.923	12.6	22.2

220720 2004 SA_{39} 10 16.2 21°.69 0°.1/16.3 18

9 8	1 50.05	+10 5.2	1.911	2.730	14.8	19.8
9 18	1 46.04	+10 2.2	1.836	2.734	11.5	19.6
9 28	1 39.89	+ 9 49.0	1.782	2.738	7.8	19.4
10 8	1 32.18	+ 9 27.8	1.753	2.743	3.6	19.2
10 18	1 23.74	+ 9 2.1	1.752	2.748	0.8	18.9
10 28	1 15.58	+ 8 36.7	1.779	2.754	5.0	19.3
11 7	1 8.63	+ 8 16.3	1.834	2.760	9.0	19.5
11 17	1 3.57	+ 8 4.7	1.912	2.766	12.4	19.8

159943 2005 XR_{13} 10 16.2 262°.97 4°.5/12.5 18

9 8	1 51.52	+ 0 9.3	1.735	2.577	15.0	21.0
9 18	1 47.51	− 0 45.1	1.652	2.564	11.7	20.7
9 28	1 41.08	− 1 45.8	1.590	2.551	8.1	20.5
10 8	1 32.81	− 2 46.1	1.554	2.538	5.0	20.3
10 18	1 23.59	− 3 38.8	1.545	2.525	5.2	20.3
10 28	1 14.56	− 4 16.8	1.563	2.511	8.6	20.5
11 7	1 6.81	− 4 35.2	1.606	2.497	12.4	20.7
11 17	1 1.15	− 4 32.0	1.671	2.483	15.9	20.9

483852 2005 YV_{28} 10 16.2 243°.56 1°.2/14.9 18

9 8	1 48.20	+ 7 19.9	2.476	3.292	11.9	22.3
9 18	1 44.18	+ 6 48.5	2.383	3.282	9.2	22.1
9 28	1 38.45	+ 6 9.1	2.314	3.273	6.1	21.9
10 8	1 31.48	+ 5 24.6	2.272	3.263	2.8	21.6
10 18	1 23.89	+ 4 39.0	2.259	3.253	1.6	21.5
10 28	1 16.42	+ 3 57.1	2.276	3.242	4.9	21.8
11 7	1 9.82	+ 3 22.9	2.321	3.232	8.2	21.9
11 17	1 4.67	+ 2 59.8	2.391	3.221	11.1	22.1

353852 2012 VE_{52} 10 16.2 176°.83 3°.7/20.1 18

9 8	1 48.95	+23 31.1	1.921	2.690	16.5	20.9
9 18	1 45.38	+23 7.2	1.833	2.690	13.6	20.6
9 28	1 39.55	+22 20.7	1.766	2.690	10.2	20.4
10 8	1 32.05	+21 12.2	1.722	2.691	6.5	20.2
10 18	1 23.77	+19 45.1	1.705	2.691	3.8	20.1
10 28	1 15.76	+18 6.4	1.716	2.691	5.1	20.1
11 7	1 9.01	+16 25.1	1.755	2.691	8.6	20.4
11 17	1 4.26	+14 50.2	1.820	2.690	12.2	20.6

407214 2009 VV_{39} 10 16.2 19°.05 5°.2/12.6 15

9 8	1 51.93	− 4 25.4	1.696	2.543	15.1	20.2
9 18	1 47.56	− 4 45.7	1.638	2.551	11.8	20.0
9 28	1 40.88	− 5 4.7	1.602	2.559	8.3	19.8
10 8	1 32.60	− 5 16.8	1.590	2.569	5.6	19.7
10 18	1 23.67	− 5 17.1	1.604	2.580	5.7	19.7
10 28	1 15.19	− 5 1.9	1.646	2.591	8.5	19.9
11 7	1 8.13	− 4 29.8	1.712	2.603	11.8	20.2
11 17	1 3.16	− 3 41.5	1.801	2.616	14.8	20.4

348239 Societadante 10 16.2 21°.16 5°.9/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.13	− 5 39.7	1.787	2.635	14.4	19.9
9 18	1 46.09	− 6 23.4	1.728	2.640	11.3	19.7
9 28	1 39.87	− 7 5.8	1.692	2.646	8.2	19.5
10 8	1 32.14	− 7 40.4	1.680	2.653	6.1	19.4
10 18	1 23.77	− 8 1.4	1.694	2.660	6.6	19.5
10 28	1 15.79	− 8 4.1	1.735	2.668	9.1	19.6
11 7	1 9.13	− 7 46.8	1.800	2.676	12.1	19.8
11 17	1 4.42	− 7 10.1	1.887	2.685	14.9	20.1

398385 2011 SR_{157} 10 16.2 327°.29 0°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.63	+11 40.8	1.733	2.553	16.0	21.3
9 18	1 46.87	+11 39.3	1.649	2.546	12.7	21.1
9 28	1 40.67	+11 25.1	1.585	2.541	8.7	20.8
10 8	1 32.63	+11 0.1	1.546	2.535	4.2	20.5
10 18	1 23.64	+10 27.9	1.534	2.530	0.9	20.3
10 28	1 14.86	+ 9 53.9	1.549	2.525	5.4	20.6
11 7	1 7.37	+ 9 24.1	1.590	2.520	9.8	20.9
11 17	1 2.00	+ 9 3.6	1.656	2.516	13.7	21.1

450547 2006 DM_{68} 10 16.2 330°.85 20°.2/17.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	2 16.48	+27 54.4	0.939	1.713	29.5	19.6
9 18	2 12.13	+32 37.9	0.865	1.700	26.7	19.3
9 28	2 1.48	+37 19.7	0.809	1.689	23.6	19.1
10 8	1 44.04	+41 35.8	0.771	1.679	21.2	18.9
10 18	1 20.86	+44 55.8	0.754	1.669	20.2	18.8
10 28	0 55.50	+46 58.2	0.758	1.661	21.2	18.8
11 7	0 32.90	+47 44.4	0.780	1.654	23.7	19.0
11 17	0 16.93	+47 35.2	0.816	1.648	26.6	19.1

90912 1997 GQ_{33} 10 16.2 87°.95 0°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.77	+10 14.7	2.253	3.063	13.1	20.2
9 18	1 45.37	+ 9 51.0	2.185	3.079	10.2	20.0
9 28	1 39.19	+ 9 17.6	2.140	3.095	6.8	19.8
10 8	1 31.78	+ 8 37.3	2.121	3.110	3.1	19.6
10 18	1 23.85	+ 7 54.0	2.130	3.126	0.8	19.5
10 28	1 16.25	+ 7 12.6	2.170	3.142	4.5	19.8
11 7	1 9.71	+ 6 37.6	2.237	3.157	8.0	20.0
11 17	1 4.78	+ 6 12.2	2.330	3.172	10.9	20.2

139596 2001 QX_{116} 10 16.2 67°.86 5°.2/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.67	+25 1.4	1.877	2.633	17.2	19.1
9 18	1 48.20	+25 20.0	1.810	2.653	14.3	18.9
9 28	1 41.36	+25 17.5	1.763	2.674	11.0	18.8
10 8	1 32.85	+24 53.3	1.739	2.695	7.7	18.6
10 18	1 23.62	+24 9.0	1.741	2.716	5.3	18.5
10 28	1 14.83	+23 9.6	1.770	2.737	5.9	18.6
11 7	1 7.48	+22 2.9	1.826	2.758	8.6	18.8
11 17	1 2.27	+20 56.6	1.908	2.778	11.7	19.0

514245 2015 PZ_{37} 10 16.2 163°.22 5°.9/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.46	+26 21.4	2.128	2.862	16.1	22.0
9 18	1 50.40	+27 4.1	2.040	2.865	13.6	21.8
9 28	1 42.94	+27 28.8	1.971	2.867	10.8	21.6
10 8	1 33.66	+27 33.1	1.926	2.870	8.0	21.5
10 18	1 23.43	+27 16.3	1.907	2.872	6.1	21.4
10 28	1 13.36	+26 41.2	1.916	2.874	6.5	21.4
11 7	1 4.55	+25 53.4	1.952	2.875	8.7	21.5
11 17	0 57.80	+25 0.3	2.015	2.876	11.6	21.7

443454 2014 HS_{171} 10 16.2 297°.98 5°.8/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.51	− 4 20.5	1.783	2.627	14.6	20.6
9 18	1 47.30	− 5 12.5	1.712	2.623	11.5	20.4
9 28	1 40.79	− 6 5.6	1.664	2.620	8.3	20.2
10 8	1 32.61	− 6 52.7	1.641	2.616	6.0	20.0
10 18	1 23.67	− 7 27.1	1.644	2.613	6.5	20.1
10 28	1 15.02	− 7 43.2	1.675	2.610	9.2	20.2
11 7	1 7.68	− 7 38.2	1.729	2.606	12.5	20.4
11 17	1 2.37	− 7 12.0	1.806	2.603	15.5	20.6

167266 2003 UN_{129} 10 16.2 306°.76 5°.1/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.17	+24 45.8	1.782	2.551	17.6	20.0
9 18	1 45.91	+24 54.4	1.692	2.544	14.7	19.8
9 28	1 40.12	+24 40.5	1.620	2.538	11.4	19.6
10 8	1 32.41	+24 2.7	1.570	2.531	7.9	19.4
10 18	1 23.70	+23 2.4	1.546	2.525	5.3	19.2
10 28	1 15.16	+21 45.1	1.548	2.519	6.1	19.2
11 7	1 7.96	+20 19.4	1.577	2.513	9.4	19.4
11 17	1 2.96	+18 54.9	1.630	2.507	13.0	19.6

342449 2008 UE_{101} 10 16.2 154°.07 1°.2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.11	+14 46.3	2.088	2.880	14.6	21.6
9 18	1 48.26	+14 33.9	2.007	2.887	11.6	21.4
9 28	1 41.30	+14 7.8	1.948	2.893	8.0	21.2
10 8	1 32.82	+13 29.7	1.915	2.899	4.1	21.0
10 18	1 23.64	+12 43.0	1.910	2.905	1.3	20.8
10 28	1 14.74	+11 53.0	1.934	2.910	4.6	21.0
11 7	1 7.03	+11 5.3	1.987	2.914	8.4	21.3
11 17	1 1.18	+10 25.3	2.066	2.918	11.7	21.5

61649 2000 QO_{111} 10 16.2 351°.20 2°.4/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 46.27	+ 6 14.5	1.719	2.562	15.1	19.1
9 18	1 43.36	+ 5 24.6	1.644	2.558	11.7	18.8
9 28	1 38.23	+ 4 23.9	1.590	2.555	7.7	18.6
10 8	1 31.47	+ 3 17.5	1.561	2.552	3.7	18.4
10 18	1 23.93	+ 2 12.4	1.559	2.550	3.0	18.3
10 28	1 16.65	+ 1 15.8	1.584	2.548	6.8	18.5
11 7	1 10.60	+ 0 34.1	1.634	2.547	10.8	18.8
11 17	1 6.50	+ 0 10.7	1.708	2.547	14.4	19.0

324762 2007 GS_{19} 10 16.2 142°.74 0°.3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.35	+12 23.2	2.670	3.465	11.7	21.8
9 18	1 44.09	+12 1.3	2.588	3.472	9.1	21.7
9 28	1 38.28	+11 29.7	2.529	3.479	6.2	21.5
10 8	1 31.37	+10 50.3	2.498	3.485	2.9	21.3
10 18	1 23.96	+10 6.4	2.496	3.491	0.6	21.1
10 28	1 16.77	+ 9 22.0	2.524	3.497	3.8	21.4
11 7	1 10.43	+ 8 41.4	2.581	3.503	6.9	21.6
11 17	1 5.46	+ 8 8.0	2.665	3.508	9.7	21.8

68729 2002 EG_{12} 10 16.2 34°.54 4°.9/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.63	+ 3 21.1	0.950	1.830	21.5	17.8
9 18	1 47.06	+ 2 15.8	0.914	1.848	16.5	17.6
9 28	1 41.08	+ 1 0.3	0.896	1.867	10.9	17.4
10 8	1 32.79	− 0 14.8	0.898	1.888	5.9	17.2
10 18	1 23.69	− 1 17.9	0.922	1.909	5.8	17.3
10 28	1 15.48	− 1 59.1	0.969	1.932	10.2	17.6
11 7	1 9.49	− 2 13.3	1.037	1.956	15.0	18.0
11 17	1 6.48	− 2 0.6	1.124	1.980	19.1	18.3

240641 2005 AR_{56} 10 16.2 198°.02 1°.4/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.18	+15 52.1	2.222	3.010	13.9	21.4
9 18	1 46.74	+15 35.2	2.131	3.007	11.1	21.2
9 28	1 40.30	+15 4.2	2.061	3.004	7.8	21.0
10 8	1 32.39	+14 20.5	2.017	3.001	4.1	20.8
10 18	1 23.75	+13 27.4	2.002	2.997	1.4	20.6
10 28	1 15.29	+12 29.9	2.016	2.992	4.4	20.8
11 7	1 7.89	+11 33.9	2.059	2.987	8.1	21.0
11 17	1 2.21	+10 45.0	2.128	2.982	11.4	21.2

96317 1997 BW_{2} 10 16.2 262°.45 7°.8/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.57	− 8 31.3	1.829	2.677	14.1	19.7
9 18	1 45.83	−10 3.7	1.759	2.667	11.4	19.5
9 28	1 39.84	−11 35.7	1.711	2.656	9.0	19.3
10 8	1 32.22	−12 58.1	1.689	2.646	7.8	19.2
10 18	1 23.79	−14 2.5	1.693	2.635	8.7	19.2
10 28	1 15.60	−14 41.9	1.722	2.625	11.2	19.4
11 7	1 8.63	−14 53.5	1.775	2.614	14.1	19.5
11 17	1 3.61	−14 37.7	1.847	2.603	16.7	19.7

263714 2008 HR_{37} 10 16.2 180°.77 2°.0/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.42	+17 28.0	1.941	2.727	15.7	21.5
9 18	1 48.77	+17 11.7	1.854	2.728	12.7	21.3
9 28	1 41.80	+16 38.1	1.789	2.729	9.0	21.0
10 8	1 33.12	+15 48.6	1.748	2.729	5.0	20.8
10 18	1 23.61	+14 46.6	1.735	2.729	2.0	20.6
10 28	1 14.35	+13 38.4	1.752	2.728	4.9	20.8
11 7	1 6.36	+12 31.3	1.796	2.726	8.9	21.1
11 17	1 0.41	+11 32.0	1.866	2.723	12.5	21.3

259458 2003 SJ_{90} 10 16.2 22°.94 4°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.22	+ 2 44.2	0.938	1.818	21.6	19.7
9 18	1 47.75	+ 2 15.5	0.894	1.828	16.7	19.5
9 28	1 41.73	+ 1 38.0	0.867	1.839	11.2	19.2
10 8	1 33.19	+ 0 59.9	0.861	1.852	5.8	19.0
10 18	1 23.62	+ 0 30.2	0.876	1.866	5.0	19.0
10 28	1 14.84	+ 0 17.3	0.913	1.882	9.8	19.3
11 7	1 8.34	+ 0 25.7	0.972	1.898	14.9	19.7
11 17	1 4.96	+ 0 55.9	1.049	1.916	19.3	20.0

382528 2001 SU_{303} 10 16.2 349°.04 0°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 45.07	+12 44.0	1.126	1.982	20.5	20.4
9 18	1 43.71	+12 41.3	1.054	1.972	16.3	20.1
9 28	1 39.18	+12 18.6	1.000	1.963	11.3	19.8
10 8	1 32.15	+11 38.5	0.966	1.956	5.5	19.4
10 18	1 23.80	+10 46.5	0.954	1.950	1.2	19.1
10 28	1 15.72	+ 9 51.9	0.966	1.946	6.9	19.5
11 7	1 9.44	+ 9 4.8	1.001	1.943	12.6	19.8
11 17	1 6.01	+ 8 33.2	1.055	1.942	17.6	20.1

223817 2004 TP_{99} 10 16.2 200°.05 1°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.02	+ 8 13.5	2.537	3.350	11.7	21.4
9 18	1 43.96	+ 7 40.0	2.451	3.347	9.1	21.2
9 28	1 38.26	+ 6 58.0	2.388	3.345	6.0	21.0
10 8	1 31.40	+ 6 10.8	2.352	3.342	2.7	20.8
10 18	1 23.98	+ 5 22.1	2.345	3.339	1.4	20.7
10 28	1 16.74	+ 4 36.6	2.369	3.336	4.6	20.9
11 7	1 10.35	+ 3 58.4	2.421	3.333	7.8	21.1
11 17	1 5.37	+ 3 30.9	2.498	3.329	10.7	21.3

228006 2007 RL_6 10 16.3 0°.30 1°.5/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 41.93	+17 55.8	3.934	4.701	8.7	19.9
9 18	1 38.75	+17 47.0	3.840	4.701	7.0	19.8
9 28	1 34.55	+17 29.8	3.769	4.701	5.0	19.7
10 8	1 29.63	+17 4.8	3.725	4.701	3.0	19.5
10 18	1 24.37	+16 33.8	3.711	4.701	1.5	19.4
10 28	1 19.21	+15 59.1	3.726	4.701	2.6	19.5
11 7	1 14.56	+15 23.3	3.772	4.701	4.7	19.6
11 17	1 10.78	+14 49.3	3.845	4.702	6.7	19.8

273782 2007 EU_{220} 10 16.3 72°.56 1°.5/14.9 16

9 8	1 52.27	+ 8 56.2	1.588	2.418	16.8	21.1
9 18	1 47.87	+ 8 3.9	1.537	2.443	12.9	20.9
9 28	1 41.08	+ 6 59.1	1.507	2.468	8.4	20.7
10 8	1 32.70	+ 5 47.3	1.502	2.493	3.8	20.5
10 18	1 23.74	+ 4 36.0	1.523	2.517	2.1	20.5
10 28	1 15.37	+ 3 32.8	1.573	2.541	6.4	20.8
11 7	1 8.56	+ 2 44.2	1.649	2.565	10.5	21.1
11 17	1 3.94	+ 2 13.4	1.748	2.589	14.0	21.4

100584 1997 JJ_{14} 10 16.3 77°.37 1°.3/15.2 16

9 8	1 53.69	+ 9 5.9	1.484	2.315	17.7	20.0
9 18	1 49.18	+ 8 24.7	1.430	2.337	13.6	19.8
9 28	1 42.08	+ 7 30.3	1.397	2.358	9.0	19.6
10 8	1 33.19	+ 6 27.8	1.388	2.379	4.0	19.4
10 18	1 23.64	+ 5 24.5	1.406	2.400	1.9	19.3
10 28	1 14.70	+ 4 28.2	1.451	2.421	6.5	19.6
11 7	1 7.44	+ 3 45.5	1.522	2.442	11.0	19.9
11 17	1 2.56	+ 3 20.1	1.615	2.462	14.7	20.2

112244 2002 LD_5 10 16.3 50°.18 7°.7/11.8 18

9 8	1 55.26	− 5 30.8	1.199	2.062	19.1	19.1
9 18	1 50.85	− 6 29.0	1.158	2.078	15.0	18.9
9 28	1 43.37	− 7 25.1	1.136	2.095	10.8	18.8
10 8	1 33.81	− 8 9.3	1.136	2.112	8.0	18.7
10 18	1 23.52	− 8 33.0	1.160	2.129	8.4	18.7
10 28	1 14.03	− 8 30.6	1.208	2.147	11.6	19.0
11 7	1 6.59	− 8 1.5	1.279	2.166	15.3	19.3
11 17	1 1.93	− 7 8.3	1.369	2.184	18.6	19.5

229751 2007 JK_{27} 10 16.3 16°.79 8°.5/ 8.9 18

9 8	1 51.86	−15 17.0	1.997	2.830	13.7	19.5
9 18	1 47.23	−16 7.6	1.943	2.833	11.4	19.4
9 28	1 40.55	−16 49.4	1.911	2.837	9.4	19.3
10 8	1 32.45	−17 15.6	1.904	2.841	8.5	19.3
10 18	1 23.80	−17 20.8	1.922	2.846	9.2	19.3
10 28	1 15.55	−17 1.9	1.966	2.851	10.9	19.4
11 7	1 8.57	−16 19.0	2.033	2.857	13.1	19.6
11 17	1 3.47	−15 14.9	2.122	2.862	15.3	19.8

134972 2001 EV_{24} 10 16.3 345°.82 9°.5/15.9 18

9 8	2 13.82	−15 13.5	0.911	1.760	24.7	17.0
9 18	2 7.64	−14 2.0	0.835	1.741	20.7	16.6
9 28	1 56.23	−12 19.4	0.774	1.724	15.9	16.3
10 8	1 40.38	− 9 54.7	0.734	1.709	11.2	16.0
10 18	1 22.04	− 6 45.0	0.718	1.697	9.6	15.9
10 28	1 4.10	− 2 59.1	0.727	1.687	13.3	16.0
11 7	0 49.28	+ 1 4.4	0.761	1.680	18.8	16.3
11 17	0 39.26	+ 5 7.7	0.816	1.676	24.1	16.6

441280 2007 XK_6 10 16.3 337°.12 5°.3/12.5 17

9 8	1 45.23	+ 0 20.2	1.292	2.163	17.4	20.7
9 18	1 43.42	− 0 30.4	1.215	2.144	13.7	20.5
9 28	1 38.78	− 1 28.9	1.157	2.125	9.4	20.2
10 8	1 31.92	− 2 27.4	1.122	2.108	5.9	19.9
10 18	1 23.87	− 3 16.5	1.110	2.092	6.2	19.9
10 28	1 16.00	− 3 47.2	1.122	2.078	10.1	20.1
11 7	1 9.65	− 3 53.5	1.156	2.065	14.6	20.3
11 17	1 5.79	− 3 33.7	1.209	2.054	18.8	20.5

476718 2008 TM_{186} 10 16.3 347°.27 6°.0/12.3 17

9 8	1 43.90	− 0 0.2	1.103	1.986	18.9	20.4
9 18	1 42.71	− 0 54.1	1.037	1.972	14.8	20.1
9 28	1 38.45	− 1 55.9	0.989	1.960	10.2	19.8
10 8	1 31.79	− 2 56.2	0.962	1.949	6.5	19.6
10 18	1 23.91	− 3 44.5	0.958	1.941	6.9	19.6
10 28	1 16.33	− 4 10.8	0.976	1.934	11.0	19.8
11 7	1 10.51	− 4 9.7	1.014	1.928	15.7	20.0
11 17	1 7.42	− 3 40.1	1.071	1.925	20.0	20.3

255017 2005 TB_{48} 10 16.3 344°.14 2°.1/17.9 18

9 8	1 50.24	+15 1.6	1.820	2.626	15.9	20.2
9 18	1 46.51	+15 15.9	1.735	2.621	12.7	19.9
9 28	1 40.43	+15 16.3	1.670	2.617	9.0	19.7
10 8	1 32.55	+15 3.5	1.630	2.613	5.0	19.5
10 18	1 23.76	+14 39.9	1.616	2.609	2.1	19.3
10 28	1 15.14	+14 9.7	1.629	2.606	5.0	19.5
11 7	1 7.77	+13 39.0	1.669	2.603	9.1	19.7
11 17	1 2.44	+13 13.2	1.734	2.601	12.8	19.9

442835 2013 AC_{93} 10 16.3 299°.54 17°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.66	−37 8.7	1.755	2.535	17.4	21.0
9 18	1 47.51	−39 53.6	1.721	2.512	17.1	20.9
9 28	1 41.43	−42 13.6	1.705	2.489	17.4	20.9
10 8	1 33.10	−43 56.8	1.707	2.466	18.2	20.9
10 18	1 23.64	−44 54.7	1.727	2.443	19.4	20.9
10 28	1 14.46	−45 3.9	1.760	2.421	20.7	21.0
11 7	1 6.92	−44 26.5	1.805	2.398	22.0	21.0
11 17	1 1.95	−43 8.3	1.859	2.376	23.1	21.1

363683 2004 TQ_{121} 10 16.3 335°.99 0°.1/16.3 18

9 8	1 44.40	+14 44.5	1.957	2.771	14.7	20.2
9 18	1 41.73	+13 38.0	1.869	2.764	11.5	20.0
9 28	1 37.06	+12 13.1	1.804	2.758	7.8	19.7
10 8	1 30.94	+10 33.7	1.764	2.753	3.6	19.5
10 18	1 24.11	+ 8 46.4	1.752	2.748	0.8	19.2
10 28	1 17.50	+ 6 59.8	1.769	2.743	5.1	19.6
11 7	1 11.97	+ 5 22.6	1.814	2.739	9.2	19.8
11 17	1 8.17	+ 4 1.4	1.885	2.735	12.8	20.0

407168 2009 UH_{37} 10 16.3 206°.78 3°.1/13.0 18

9 8	1 50.22	− 0 47.0	2.594	3.418	11.2	21.0
9 18	1 45.58	− 1 13.6	2.513	3.416	8.6	20.9
9 28	1 39.31	− 1 42.2	2.457	3.413	5.9	20.7
10 8	1 31.90	− 2 9.1	2.428	3.411	3.6	20.5
10 18	1 23.94	− 2 30.6	2.428	3.408	3.6	20.5
10 28	1 16.18	− 2 43.1	2.457	3.405	5.9	20.7
11 7	1 9.28	− 2 44.1	2.515	3.402	8.7	20.9
11 17	1 3.81	− 2 32.6	2.597	3.399	11.2	21.0

91583 1999 SK_{20} 10 16.3 6°.56 7°.4/ 9.4 18

9 8	1 44.80	− 5 50.4	1.560	2.425	15.3	18.7
9 18	1 42.35	− 7 20.1	1.505	2.426	12.1	18.5
9 28	1 37.59	− 8 50.0	1.471	2.428	9.1	18.4
10 8	1 31.20	−10 10.7	1.462	2.431	7.5	18.3
10 18	1 24.10	−11 13.1	1.478	2.435	8.4	18.4
10 28	1 17.36	−11 50.3	1.518	2.440	11.1	18.5
11 7	1 11.97	−11 59.3	1.581	2.445	14.1	18.7
11 17	1 8.60	−11 40.9	1.663	2.452	17.0	19.0

71689 2000 FD_{34} 10 16.3 282°.53 7°.2/ 7.3 18

9 8	1 46.52	−11 12.4	2.344	3.184	11.7	18.8
9 18	1 43.01	−12 40.2	2.271	3.170	9.6	18.6
9 28	1 37.76	−14 5.6	2.222	3.156	7.8	18.5
10 8	1 31.23	−15 21.6	2.198	3.142	7.2	18.4
10 18	1 24.09	−16 21.5	2.202	3.128	8.0	18.5
10 28	1 17.09	−17 0.1	2.232	3.114	10.0	18.6
11 7	1 11.01	−17 15.1	2.286	3.100	12.2	18.7
11 17	1 6.42	−17 6.5	2.361	3.086	14.3	18.8

67746 2000 UG_{40} 10 16.3 340°.50 0°.7/15.9 18

9 8	1 52.06	+ 7 35.4	1.108	1.966	20.6	18.7
9 18	1 49.31	+ 7 49.0	1.036	1.956	16.3	18.4
9 28	1 43.06	+ 7 51.0	0.981	1.947	11.0	18.1
10 8	1 34.02	+ 7 44.2	0.948	1.939	5.1	17.7
10 18	1 23.48	+ 7 33.2	0.937	1.933	1.5	17.5
10 28	1 13.20	+ 7 24.7	0.950	1.927	7.7	17.9
11 7	1 4.88	+ 7 25.3	0.985	1.922	13.5	18.2
11 17	0 59.70	+ 7 39.5	1.041	1.918	18.6	18.5

248172 2004 XO_{65} 10 16.3 265°.65 10°.9/30.7 17

9 8	1 55.41	+47 12.0	2.720	3.280	16.1	20.1
9 18	1 50.80	+48 23.0	2.616	3.268	15.0	20.0
9 28	1 43.54	+49 12.7	2.526	3.255	13.8	19.9
10 8	1 34.13	+49 36.2	2.454	3.243	12.5	19.7
10 18	1 23.44	+49 29.6	2.402	3.230	11.4	19.7
10 28	1 12.72	+48 52.1	2.372	3.217	10.9	19.6
11 7	1 3.21	+47 47.1	2.366	3.204	11.1	19.6
11 17	0 55.92	+46 21.2	2.384	3.190	11.9	19.6

231695 1998 HY_{41} 10 16.3 145°.48 2°.2/14.3 18

9 8	1 53.22	+ 4 31.4	2.098	2.919	13.6	21.2
9 18	1 48.22	+ 3 57.4	2.026	2.928	10.5	21.0
9 28	1 41.21	+ 3 16.7	1.977	2.936	6.9	20.8
10 8	1 32.80	+ 2 33.4	1.955	2.944	3.4	20.6
10 18	1 23.78	+ 1 52.3	1.962	2.952	2.7	20.6
10 28	1 15.08	+ 1 18.7	1.998	2.959	5.9	20.8
11 7	1 7.54	+ 0 56.4	2.061	2.965	9.4	21.1
11 17	1 1.80	+ 0 47.8	2.149	2.971	12.5	21.3

487873 2015 TB_{128} 10 16.3 222°.96 5°.2/10.4 17

9 8	1 47.65	− 4 47.6	2.279	3.118	12.0	22.0
9 18	1 43.83	− 5 56.4	2.209	3.116	9.4	21.8
9 28	1 38.26	− 7 6.2	2.162	3.114	6.9	21.7
10 8	1 31.44	− 8 10.9	2.142	3.112	5.3	21.6
10 18	1 24.06	− 9 4.6	2.150	3.110	5.9	21.6
10 28	1 16.91	− 9 42.1	2.186	3.108	8.2	21.7
11 7	1 10.71	−10 0.6	2.247	3.105	10.8	21.9
11 17	1 6.05	− 9 59.3	2.331	3.103	13.2	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
520375 2014 HU_{204}			10 16.3 293°.22		2°.8/13.7 18	
	h m	° ′			°	m
9 8	1 48.73	+ 4 43.9	1.808	2.646	14.7	21.9
9 18	1 45.20	+ 3 50.8	1.729	2.641	11.4	21.7
9 28	1 39.45	+ 2 48.1	1.673	2.636	7.6	21.5
10 8	1 32.08	+ 1 41.4	1.643	2.632	3.9	21.2
10 18	1 23.93	+ 0 37.5	1.639	2.627	3.5	21.2
10 28	1 16.01	− 0 16.7	1.663	2.623	7.0	21.4
11 7	1 9.31	− 0 55.3	1.713	2.619	10.9	21.6
11 17	1 4.53	− 1 15.2	1.787	2.615	14.4	21.9
4309 Marvin			10 16.3 348°.02		0°.3/16.1 18	
9 8	1 43.64	+10 45.2	1.445	2.292	17.2	17.2
9 18	1 41.91	+10 26.2	1.365	2.279	13.6	16.9
9 28	1 37.62	+ 9 51.7	1.304	2.267	9.2	16.7
10 8	1 31.36	+ 9 5.1	1.266	2.257	4.2	16.4
10 18	1 24.08	+ 8 11.9	1.252	2.248	1.1	16.1
10 28	1 16.99	+ 7 20.1	1.264	2.241	6.3	16.4
11 7	1 11.27	+ 6 37.4	1.301	2.235	11.1	16.7
11 17	1 7.81	+ 6 9.7	1.359	2.230	15.4	17.0
324094 2005 WY_{144}			10 16.3 318°.82		0°.9/15.6 17	
9 8	1 48.14	+ 8 27.5	1.824	2.654	14.9	21.6
9 18	1 44.90	+ 8 9.7	1.731	2.637	11.7	21.3
9 28	1 39.39	+ 7 41.2	1.660	2.620	7.8	21.0
10 8	1 32.13	+ 7 4.9	1.613	2.604	3.6	20.8
10 18	1 23.92	+ 6 25.3	1.593	2.588	1.4	20.6
10 28	1 15.81	+ 5 48.3	1.600	2.572	5.8	20.8
11 7	1 8.83	+ 5 19.6	1.634	2.557	10.1	21.1
11 17	1 3.79	+ 5 3.5	1.691	2.543	13.9	21.3
127606 2003 BQ_{28}			10 16.3 257°.55		1°.4/17.4 18	
9 8	1 51.16	+15 17.7	1.761	2.567	16.4	20.7
9 18	1 47.40	+14 59.6	1.666	2.554	13.1	20.4
9 28	1 41.15	+14 24.0	1.593	2.541	9.2	20.1
10 8	1 32.97	+13 32.6	1.543	2.528	4.8	19.9
10 18	1 23.74	+12 29.4	1.520	2.515	1.4	19.6
10 28	1 14.64	+11 21.1	1.525	2.501	5.4	19.8
11 7	1 6.81	+10 15.8	1.557	2.488	9.9	20.1
11 17	1 1.12	+ 9 20.7	1.613	2.474	14.0	20.3
346502 2008 UH_{95}			10 16.3 181°.18		1°.1/15.3 18	
9 8	1 53.59	+ 7 32.7	2.118	2.930	13.7	21.6
9 18	1 48.61	+ 7 12.5	2.035	2.931	10.7	21.4
9 28	1 41.56	+ 6 43.7	1.975	2.932	7.1	21.1
10 8	1 33.01	+ 6 9.4	1.942	2.932	3.2	20.9
10 18	1 23.75	+ 5 33.6	1.937	2.931	1.5	20.8
10 28	1 14.72	+ 5 1.2	1.962	2.930	5.3	21.0
11 7	1 6.82	+ 4 36.7	2.015	2.929	9.0	21.3
11 17	1 0.73	+ 4 23.3	2.093	2.927	12.3	21.5
452105 2014 QM_{283}			10 16.3 317°.50		4°.9/11.9 18	
9 8	1 50.16	− 4 2.8	2.038	2.877	13.2	20.8
9 18	1 46.07	− 4 38.1	1.957	2.866	10.4	20.6
9 28	1 39.93	− 5 14.0	1.899	2.855	7.4	20.4
10 8	1 32.28	− 5 45.1	1.867	2.844	5.2	20.3
10 18	1 23.90	− 6 5.9	1.862	2.834	5.5	20.3
10 28	1 15.71	− 6 12.0	1.885	2.824	8.1	20.4
11 7	1 8.61	− 6 0.8	1.933	2.814	11.2	20.6
11 17	1 3.27	− 5 31.9	2.005	2.805	14.1	20.8
77407 2001 FN_{170}			10 16.3 129°.14		1°.3/15.3 18	
9 8	1 55.70	+ 7 28.0	1.678	2.501	16.3	19.6
9 18	1 50.67	+ 7 7.2	1.609	2.511	12.7	19.4
9 28	1 43.12	+ 6 36.3	1.561	2.520	8.4	19.2
10 8	1 33.77	+ 5 59.0	1.538	2.529	3.8	18.9
10 18	1 23.62	+ 5 20.5	1.543	2.537	1.9	18.8
10 28	1 13.88	+ 4 46.8	1.575	2.545	6.2	19.1
11 7	1 5.65	+ 4 23.4	1.635	2.552	10.5	19.4
11 17	0 59.67	+ 4 13.7	1.718	2.560	14.2	19.6
351433 2005 GD_{160}			10 16.3 191°.37		2°.4/14.1 18	
9 8	1 53.10	+ 3 0.1	2.183	3.004	13.1	21.5
9 18	1 48.15	+ 2 36.0	2.102	3.004	10.1	21.4
9 28	1 41.22	+ 2 6.8	2.044	3.002	6.8	21.1
10 8	1 32.85	+ 1 36.2	2.012	3.001	3.4	20.9
10 18	1 23.81	+ 1 8.5	2.010	2.998	2.9	20.9
10 28	1 14.99	+ 0 48.2	2.037	2.996	6.0	21.1
11 7	1 7.25	+ 0 38.8	2.091	2.993	9.4	21.3
11 17	1 1.25	+ 0 42.2	2.171	2.990	12.5	21.5
520619 2014 OB_{413}			10 16.3 166°.89		0°.1/16.4 18	
9 8	1 50.51	+10 36.1	2.353	3.157	12.8	21.5
9 18	1 46.05	+10 28.4	2.268	3.158	10.0	21.3
9 28	1 39.77	+10 11.6	2.206	3.159	6.8	21.1
10 8	1 32.18	+ 9 47.5	2.171	3.160	3.2	20.9
10 18	1 23.95	+ 9 19.3	2.165	3.161	0.6	20.7
10 28	1 15.92	+ 8 50.8	2.188	3.161	4.3	21.0
11 7	1 8.86	+ 8 26.2	2.239	3.162	7.8	21.2
11 17	1 3.38	+ 8 9.1	2.317	3.162	10.9	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
399028 2013 GX_{125}			10 16.3 58°.14		2°.7/13.3 18	
	h m	° ′			°	m
9 8	1 46.31	+ 5 19.0	2.107	2.940	13.1	20.7
9 18	1 42.93	+ 4 8.8	2.034	2.943	10.0	20.5
9 28	1 37.73	+ 2 49.5	1.984	2.946	6.6	20.3
10 8	1 31.23	+ 1 26.6	1.961	2.950	3.4	20.1
10 18	1 24.16	+ 0 6.7	1.966	2.953	3.3	20.1
10 28	1 17.34	− 1 3.5	2.001	2.957	6.4	20.3
11 7	1 11.54	− 1 58.7	2.062	2.961	9.7	20.6
11 17	1 7.36	− 2 35.7	2.147	2.964	12.7	20.8
157409 2004 TP_{262}			10 16.3 10°.93		3°.1/13.6 18	
9 8	1 50.80	+ 0 53.0	2.066	2.899	13.3	19.7
9 18	1 46.44	+ 0 30.4	1.992	2.900	10.3	19.5
9 28	1 40.10	+ 0 4.3	1.941	2.901	6.9	19.3
10 8	1 32.34	− 0 21.0	1.915	2.902	3.8	19.1
10 18	1 23.93	− 0 41.2	1.918	2.903	3.6	19.1
10 28	1 15.79	− 0 52.0	1.949	2.905	6.5	19.3
11 7	1 8.75	− 0 50.3	2.006	2.907	9.8	19.5
11 17	1 3.47	− 0 34.9	2.088	2.909	12.9	19.7
167189 2003 SS_{299}			10 16.3 12°.45		1°.3/16.9 18	
9 8	1 57.26	+ 8 49.1	1.282	2.118	19.6	18.6
9 18	1 52.79	+ 9 49.0	1.216	2.122	15.5	18.3
9 28	1 45.06	+10 40.6	1.169	2.127	10.7	18.1
10 8	1 34.84	+11 23.7	1.145	2.134	5.3	17.8
10 18	1 23.41	+11 58.6	1.146	2.142	1.5	17.5
10 28	1 12.41	+12 27.8	1.173	2.151	6.4	17.9
11 7	1 3.35	+12 55.2	1.225	2.161	11.5	18.2
11 17	0 57.22	+13 24.8	1.299	2.172	15.9	18.5
383218 2005 YX_{220}			10 16.3 132°.20		9°.7/30.8 18	
9 8	2 3.02	+46 46.2	2.839	3.385	15.7	21.4
9 18	1 56.24	+47 46.2	2.759	3.405	14.4	21.3
9 28	1 46.85	+48 23.7	2.695	3.425	13.0	21.2
10 8	1 35.53	+48 34.4	2.650	3.443	11.5	21.1
10 18	1 23.27	+48 15.7	2.627	3.461	10.4	21.1
10 28	1 11.31	+47 28.2	2.628	3.478	9.8	21.0
11 7	1 0.82	+46 16.7	2.655	3.494	9.9	21.1
11 17	0 52.64	+44 48.6	2.707	3.508	10.8	21.2
163319 2002 JB_{98}			10 16.3 180°.10		2°.7/13.3 18	
9 8	1 49.79	+ 4 51.9	2.209	3.033	12.9	20.4
9 18	1 45.55	+ 3 43.0	2.130	3.034	9.9	20.2
9 28	1 39.45	+ 2 25.4	2.075	3.035	6.6	20.0
10 8	1 32.04	+ 1 4.3	2.048	3.036	3.4	19.8
10 18	1 24.01	− 0 13.9	2.049	3.035	3.3	19.8
10 28	1 16.22	− 1 22.8	2.080	3.034	6.3	20.0
11 7	1 9.46	− 2 17.1	2.139	3.033	9.6	20.2
11 17	1 4.33	− 2 53.7	2.223	3.031	12.6	20.4
511862 2015 GY_{4}			10 16.3 59°.76		8°.7/23.6 18	
9 8	1 54.74	+30 17.9	1.482	2.229	21.4	20.6
9 18	1 50.81	+31 11.0	1.416	2.243	18.5	20.5
9 28	1 43.70	+31 36.2	1.366	2.256	15.0	20.3
10 8	1 34.20	+31 29.4	1.335	2.270	11.6	20.1
10 18	1 23.55	+30 49.6	1.327	2.284	9.1	20.0
10 28	1 13.37	+29 41.5	1.344	2.299	9.0	20.1
11 7	1 5.10	+28 15.7	1.385	2.313	11.1	20.2
11 17	0 59.68	+26 44.1	1.450	2.328	14.2	20.4
275849 2001 SK_{83}			10 16.3 353°.92		0°.3/16.0 18	
9 8	1 46.34	+12 29.2	1.290	2.136	19.0	20.4
9 18	1 44.25	+11 47.0	1.219	2.132	14.9	20.1
9 28	1 39.29	+10 44.1	1.166	2.129	10.1	19.8
10 8	1 32.17	+ 9 25.0	1.135	2.127	4.6	19.5
10 18	1 23.98	+ 7 57.8	1.129	2.125	1.2	19.3
10 28	1 16.13	+ 6 33.3	1.149	2.125	6.8	19.6
11 7	1 9.92	+ 5 22.1	1.192	2.125	12.1	19.9
11 17	1 6.23	+ 4 31.3	1.257	2.126	16.6	20.2
460094 2014 OP_{390}			10 16.3 25°.51		0°.3/16.0 16	
9 8	1 47.70	+10 31.3	1.765	2.592	15.4	21.3
9 18	1 44.38	+10 9.0	1.697	2.601	12.0	21.1
9 28	1 38.87	+ 9 34.4	1.651	2.610	8.0	20.8
10 8	1 31.81	+ 8 50.8	1.630	2.620	3.7	20.6
10 18	1 24.07	+ 8 3.3	1.635	2.631	0.9	20.4
10 28	1 16.67	+ 7 18.0	1.668	2.642	5.3	20.8
11 7	1 10.54	+ 6 40.6	1.727	2.654	9.4	21.0
11 17	1 6.35	+ 6 15.4	1.810	2.666	12.9	21.3
161846 2007 AG_{21}			10 16.3 323°.13		1°.6/15.2 18	
9 8	1 48.43	+ 8 15.6	1.307	2.158	18.4	20.1
9 18	1 45.98	+ 7 45.7	1.226	2.144	14.5	19.8
9 28	1 40.57	+ 7 0.5	1.165	2.131	9.7	19.5
10 8	1 32.83	+ 6 4.6	1.126	2.118	4.4	19.2
10 18	1 23.83	+ 5 5.3	1.112	2.106	2.3	19.0
10 28	1 15.02	+ 4 11.7	1.122	2.095	7.6	19.3
11 7	1 7.80	+ 3 32.4	1.156	2.084	12.9	19.6
11 17	1 3.19	+ 3 12.9	1.211	2.074	17.5	19.8

134421 1998 QT_2 10 16.3 102°.09 12°.5/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	2 5.66	+45 37.1	2.177	2.759	19.3	19.6
9 18	1 59.36	+47 23.9	2.106	2.777	17.8	19.5
9 28	1 49.60	+48 45.4	2.050	2.795	16.1	19.4
10 8	1 37.05	+49 34.6	2.012	2.812	14.5	19.3
10 18	1 22.94	+49 46.3	1.994	2.829	13.1	19.2
10 28	1 9.01	+49 20.0	1.999	2.846	12.5	19.2
11 7	0 56.95	+48 21.4	2.027	2.862	12.7	19.3
11 17	0 47.95	+47 0.0	2.077	2.878	13.6	19.4

40681 1999 RL_{211} 10 16.3 5°.11 2°.7/18.9 18

9 8	1 45.88	+19 14.5	1.784	2.583	16.4	18.0
9 18	1 43.16	+18 58.4	1.704	2.584	13.3	17.8
9 28	1 38.18	+18 22.6	1.644	2.584	9.6	17.6
10 8	1 31.55	+17 28.5	1.607	2.586	5.6	17.3
10 18	1 24.12	+16 19.8	1.596	2.588	2.7	17.2
10 28	1 16.96	+15 3.5	1.613	2.590	4.9	17.3
11 7	1 11.04	+13 47.8	1.656	2.594	8.9	17.6
11 17	1 7.08	+12 40.1	1.724	2.598	12.6	17.8

509394 2007 CV_{65} 10 16.3 252°.03 1°.5/15.1 18

9 8	1 54.92	+ 6 56.3	1.981	2.796	14.5	22.6
9 18	1 50.08	+ 6 32.7	1.877	2.775	11.3	22.4
9 28	1 42.87	+ 5 59.4	1.795	2.753	7.6	22.1
10 8	1 33.78	+ 5 19.7	1.740	2.730	3.5	21.8
10 18	1 23.64	+ 4 38.0	1.713	2.707	2.0	21.7
10 28	1 13.50	+ 4 0.1	1.715	2.682	6.1	21.9
11 7	1 4.46	+ 3 31.5	1.745	2.657	10.3	22.1
11 17	0 57.37	+ 3 16.2	1.800	2.632	14.1	22.3

519679 2013 AV_5 10 16.3 26°.61 7°.8/11.7 16

9 8	1 52.61	− 6 53.2	1.268	2.132	18.2	20.0
9 18	1 48.76	− 7 40.4	1.223	2.143	14.4	19.8
9 28	1 42.01	− 8 24.1	1.198	2.156	10.6	19.6
10 8	1 33.27	− 8 55.0	1.196	2.169	8.0	19.5
10 18	1 23.79	− 9 5.7	1.217	2.184	8.5	19.6
10 28	1 14.99	− 8 51.5	1.262	2.199	11.4	19.8
11 7	1 8.05	− 8 11.9	1.329	2.215	14.9	20.1
11 17	1 3.71	− 7 9.8	1.417	2.232	18.1	20.3

190175 2005 UR_{368} 10 16.3 97°.55 1°.7/14.9 17

9 8	1 53.16	+ 7 43.5	1.678	2.506	16.1	20.6
9 18	1 48.59	+ 7 0.9	1.617	2.522	12.4	20.4
9 28	1 41.65	+ 6 7.2	1.578	2.538	8.2	20.2
10 8	1 33.07	+ 5 7.4	1.564	2.554	3.7	20.0
10 18	1 23.83	+ 4 7.9	1.577	2.570	2.3	19.9
10 28	1 15.06	+ 3 15.6	1.618	2.585	6.4	20.2
11 7	1 7.76	+ 2 36.5	1.685	2.600	10.5	20.5
11 17	1 2.62	+ 2 13.9	1.777	2.615	14.0	20.7

357002 1999 BS_{28} 10 16.3 302°.19 1°.8/17.9 18

9 8	1 50.38	+15 43.2	1.921	2.721	15.4	21.1
9 18	1 46.49	+15 40.3	1.835	2.718	12.3	20.9
9 28	1 40.36	+15 22.5	1.770	2.715	8.7	20.7
10 8	1 32.56	+14 50.9	1.729	2.712	4.7	20.5
10 18	1 23.91	+14 8.6	1.715	2.709	1.8	20.3
10 28	1 15.46	+13 20.7	1.730	2.707	4.8	20.5
11 7	1 8.20	+12 33.6	1.772	2.704	8.8	20.7
11 17	1 2.89	+11 53.2	1.839	2.701	12.4	20.9

243788 2000 ST_{60} 10 16.3 48°.46 0°.4/16.5 17

9 8	1 54.42	+11 41.9	1.094	1.941	21.6	20.5
9 18	1 50.66	+11 33.6	1.047	1.959	16.9	20.3
9 28	1 43.53	+11 7.0	1.017	1.979	11.4	20.0
10 8	1 34.05	+10 25.9	1.009	1.999	5.3	19.8
10 18	1 23.66	+ 9 37.2	1.024	2.020	1.0	19.5
10 28	1 14.06	+ 8 50.0	1.064	2.041	6.9	20.0
11 7	1 6.66	+ 8 12.8	1.127	2.063	12.3	20.4
11 17	1 2.28	+ 7 51.4	1.211	2.085	16.8	20.7

27145 1998 XC_{94} 10 16.3 270°.05 0°.4/15.9 18

9 8	1 49.25	+10 40.2	1.939	2.757	14.6	18.9
9 18	1 45.51	+10 10.1	1.856	2.754	11.4	18.6
9 28	1 39.64	+ 9 27.4	1.794	2.751	7.7	18.4
10 8	1 32.21	+ 8 35.4	1.758	2.748	3.5	18.2
10 18	1 24.01	+ 7 38.9	1.750	2.745	1.0	18.0
10 28	1 16.03	+ 6 44.1	1.770	2.743	5.3	18.3
11 7	1 9.20	+ 5 57.1	1.817	2.740	9.3	18.5
11 17	1 4.22	+ 5 22.6	1.889	2.737	12.8	18.7

132231 2002 EN_{74} 10 16.3 111°.50 2°.8/18.4 18

9 8	1 58.09	+16 17.4	1.906	2.689	16.1	20.2
9 18	1 52.43	+16 50.5	1.829	2.700	13.0	20.0
9 28	1 44.31	+17 10.3	1.774	2.711	9.3	19.8
10 8	1 34.37	+17 16.3	1.744	2.721	5.4	19.6
10 18	1 23.57	+17 9.7	1.741	2.732	2.8	19.5
10 28	1 13.08	+16 53.8	1.768	2.742	5.1	19.7
11 7	1 3.99	+16 33.9	1.822	2.751	8.8	19.9
11 17	0 57.09	+16 15.4	1.902	2.761	12.3	20.1

344992 2005 AQ_{20} 10 16.3 159°.11 8°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 51.57	−11 42.5	2.001	2.839	13.5	20.4
9 18	1 47.08	−13 5.8	1.945	2.842	11.0	20.2
9 28	1 40.53	−14 24.4	1.911	2.845	8.9	20.1
10 8	1 32.55	−15 30.3	1.903	2.848	8.0	20.0
10 18	1 23.96	−16 16.6	1.921	2.851	8.8	20.1
10 28	1 15.71	−16 38.3	1.966	2.853	10.8	20.2
11 7	1 8.68	−16 34.2	2.033	2.855	13.2	20.4
11 17	1 3.50	−16 5.7	2.122	2.857	15.4	20.6

303503 2005 EP_{150} 10 16.3 235°.39 2°.4/13.9 18

9 8	1 49.96	+ 5 0.7	2.159	2.984	13.1	21.6
9 18	1 45.86	+ 4 10.9	2.069	2.973	10.1	21.4
9 28	1 39.79	+ 3 12.4	2.002	2.962	6.8	21.2
10 8	1 32.27	+ 2 9.7	1.962	2.951	3.4	20.9
10 18	1 24.00	+ 1 8.3	1.950	2.939	2.9	20.9
10 28	1 15.88	+ 0 14.4	1.967	2.926	6.2	21.1
11 7	1 8.77	− 0 26.8	2.012	2.913	9.8	21.3
11 17	1 3.32	− 0 52.2	2.081	2.900	12.9	21.5

239681 2008 YL_{60} 10 16.3 84°.39 5°.2/11.9 18

9 8	1 52.91	− 3 5.8	1.815	2.655	14.6	19.8
9 18	1 48.16	− 3 58.6	1.761	2.671	11.3	19.7
9 28	1 41.24	− 4 52.3	1.730	2.687	8.0	19.5
10 8	1 32.85	− 5 40.4	1.725	2.702	5.5	19.4
10 18	1 23.91	− 6 16.7	1.746	2.718	5.8	19.4
10 28	1 15.43	− 6 36.2	1.795	2.733	8.5	19.6
11 7	1 8.31	− 6 36.5	1.870	2.749	11.6	19.9
11 17	1 3.18	− 6 17.6	1.966	2.764	14.4	20.1

379578 2011 BS_{52} 10 16.3 203°.12 1°.5/15.1 17

9 8	1 54.69	+ 6 57.0	1.794	2.616	15.5	21.8
9 18	1 49.91	+ 6 33.3	1.711	2.613	12.1	21.6
9 28	1 42.70	+ 5 59.7	1.650	2.609	8.0	21.3
10 8	1 33.66	+ 5 20.1	1.615	2.605	3.7	21.1
10 18	1 23.72	+ 4 39.4	1.607	2.601	2.0	20.9
10 28	1 14.02	+ 4 3.6	1.628	2.596	6.2	21.2
11 7	1 5.65	+ 3 38.3	1.676	2.591	10.5	21.5
11 17	0 59.41	+ 3 26.9	1.748	2.585	14.2	21.7

167359 2003 WN_{38} 10 16.3 15°.31 5°.7/21.7 18

9 8	1 50.77	+26 22.5	1.856	2.609	17.5	20.3
9 18	1 47.09	+26 40.2	1.770	2.610	14.8	20.1
9 28	1 40.93	+26 35.7	1.703	2.610	11.6	19.9
10 8	1 32.89	+26 7.4	1.658	2.610	8.3	19.8
10 18	1 23.90	+25 16.0	1.638	2.611	6.0	19.6
10 28	1 15.14	+24 6.4	1.645	2.611	6.4	19.7
11 7	1 7.73	+22 46.6	1.679	2.612	9.1	19.8
11 17	1 2.50	+21 25.6	1.738	2.613	12.4	20.0

283140 2008 YX_{24} 10 16.3 334°.58 8°.9/24.3 18

9 8	1 46.91	+31 57.0	1.527	2.275	20.9	19.8
9 18	1 44.90	+32 32.2	1.438	2.264	18.3	19.6
9 28	1 39.93	+32 38.0	1.365	2.254	15.2	19.4
10 8	1 32.59	+32 9.9	1.311	2.244	12.0	19.2
10 18	1 23.94	+31 6.3	1.278	2.235	9.4	19.0
10 28	1 15.46	+29 31.5	1.270	2.227	9.1	19.0
11 7	1 8.57	+27 36.1	1.286	2.220	11.2	19.1
11 17	1 4.33	+25 33.5	1.325	2.213	14.5	19.3

322218 2011 AX_{60} 10 16.3 17°.59 2°.8/13.6 18

9 8	1 48.03	+ 2 49.8	2.136	2.970	12.9	20.3
9 18	1 44.27	+ 2 10.4	2.062	2.971	9.9	20.1
9 28	1 38.64	+ 1 25.5	2.012	2.973	6.6	19.9
10 8	1 31.71	+ 0 39.3	1.987	2.975	3.5	19.7
10 18	1 24.16	− 0 2.9	1.990	2.977	3.3	19.7
10 28	1 16.86	− 0 36.2	2.022	2.979	6.2	19.9
11 7	1 10.59	− 0 56.8	2.080	2.981	9.5	20.1
11 17	1 5.95	− 1 2.5	2.163	2.984	12.5	20.3

279296 2009 WL_{140} 10 16.3 347°.99 4°.6/11.9 18

9 8	1 49.06	− 3 26.9	2.173	3.011	12.6	20.4
9 18	1 45.02	− 4 9.4	2.101	3.009	9.8	20.2
9 28	1 39.13	− 4 52.9	2.052	3.008	6.9	20.1
10 8	1 31.93	− 5 32.1	2.029	3.006	4.8	19.9
10 18	1 24.12	− 6 1.9	2.034	3.005	5.2	20.0
10 28	1 16.55	− 6 17.9	2.066	3.004	7.6	20.1
11 7	1 10.01	− 6 17.4	2.125	3.003	10.4	20.3
11 17	1 5.10	− 6 0.0	2.207	3.002	13.1	20.5

432637 2010 VK_{170} 10 16.3 287°.63 6°.1/ 4.8 16

9 8	1 46.41	−25 6.1	4.400	5.184	7.6	20.7
9 18	1 42.02	−25 41.5	4.348	5.183	6.7	20.7
9 28	1 36.66	−26 9.0	4.321	5.183	6.2	20.6
10 8	1 30.66	−26 25.4	4.319	5.183	6.1	20.6
10 18	1 24.40	−26 28.5	4.344	5.182	6.5	20.7
10 28	1 18.31	−26 16.9	4.394	5.182	7.3	20.7
11 7	1 12.79	−25 50.5	4.468	5.181	8.2	20.8
11 17	1 8.17	−25 10.2	4.563	5.181	9.1	20.9

486290 2013 CF_{61} 10 16.3 297.°58 6.°7/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 49.45	− 6 12.6	1.817	2.665	14.2	21.4
9 18	1 45.77	− 7 24.6	1.746	2.657	11.3	21.2
9 28	1 39.87	− 8 37.2	1.697	2.649	8.5	21.0
10 8	1 32.35	− 9 42.5	1.673	2.640	6.8	20.9
10 18	1 24.04	−10 32.7	1.675	2.632	7.5	21.0
10 28	1 15.98	−11 1.6	1.703	2.624	10.1	21.1
11 7	1 9.13	−11 6.2	1.755	2.616	13.1	21.3
11 17	1 4.22	−10 46.5	1.828	2.609	16.0	21.5

131652 2001 XM_{105} 10 16.3 191.°72 0.°3/16.5 18

9 8	1 57.44	+10 37.0	1.550	2.367	17.7	20.2
9 18	1 52.51	+10 37.1	1.470	2.367	14.0	20.0
9 28	1 44.69	+10 24.3	1.411	2.366	9.5	19.7
10 8	1 34.67	+10 0.7	1.375	2.364	4.5	19.5
10 18	1 23.55	+ 9 30.2	1.367	2.363	0.9	19.2
10 28	1 12.71	+ 8 58.8	1.385	2.360	6.1	19.5
11 7	1 3.47	+ 8 33.0	1.431	2.357	11.0	19.8
11 17	0 56.77	+ 8 17.9	1.499	2.354	15.2	20.1

513485 2009 DK_{66} 10 16.3 173.°44 0.°8/17.2 18

9 8	1 51.21	+13 58.5	2.446	3.235	12.8	22.4
9 18	1 46.55	+13 39.5	2.359	3.238	10.1	22.3
9 28	1 40.11	+13 8.7	2.294	3.240	7.0	22.1
10 8	1 32.38	+12 28.2	2.256	3.242	3.5	21.9
10 18	1 24.04	+11 40.9	2.248	3.243	0.9	21.7
10 28	1 15.90	+10 51.4	2.269	3.244	4.1	21.9
11 7	1 8.72	+10 4.7	2.320	3.244	7.5	22.1
11 17	1 3.10	+ 9 25.2	2.397	3.244	10.5	22.3

405831 2006 BC_{152} 10 16.3 258.°54 3.°0/19.2 17

9 8	1 50.56	+19 13.9	2.377	3.147	13.6	21.4
9 18	1 46.28	+19 28.2	2.282	3.143	11.1	21.2
9 28	1 40.07	+19 29.0	2.209	3.138	8.2	21.0
10 8	1 32.42	+19 16.2	2.161	3.133	5.1	20.8
10 18	1 24.02	+18 51.3	2.141	3.128	3.0	20.6
10 28	1 15.74	+18 17.4	2.150	3.123	4.4	20.7
11 7	1 8.42	+17 39.4	2.187	3.118	7.5	20.9
11 17	1 2.73	+17 2.4	2.251	3.113	10.5	21.1

327592 2006 DJ_{182} 10 16.3 308.°15 2.°4/18.5 17

9 8	1 49.40	+17 9.5	2.208	2.994	14.1	20.6
9 18	1 45.52	+17 17.5	2.113	2.986	11.4	20.4
9 28	1 39.64	+17 12.1	2.040	2.979	8.2	20.2
10 8	1 32.24	+16 53.7	1.993	2.971	4.8	20.0
10 18	1 24.06	+16 24.1	1.972	2.963	2.4	19.8
10 28	1 15.99	+15 47.4	1.980	2.956	4.4	19.9
11 7	1 8.92	+15 8.6	2.017	2.949	7.9	20.1
11 17	1 3.55	+14 32.9	2.079	2.942	11.2	20.3

323197 2003 QU_{70} 10 16.3 87.°61 6.°0/ 9.4 18

9 8	1 47.30	− 7 8.0	2.273	3.114	12.0	20.4
9 18	1 43.55	− 8 25.3	2.213	3.119	9.5	20.2
9 28	1 38.08	− 9 41.7	2.176	3.123	7.2	20.1
10 8	1 31.42	−10 50.6	2.166	3.128	6.0	20.0
10 18	1 24.25	−11 45.9	2.184	3.133	6.7	20.1
10 28	1 17.34	−12 22.7	2.229	3.137	8.7	20.2
11 7	1 11.41	−12 38.8	2.299	3.142	11.1	20.4
11 17	1 7.01	−12 34.1	2.390	3.147	13.3	20.6

123979 2001 FB_{38} 10 16.3 149.°54 2.°8/19.8 18

9 8	1 50.30	+20 58.2	2.881	3.631	11.9	20.2
9 18	1 45.64	+21 2.7	2.793	3.639	9.8	20.1
9 28	1 39.39	+20 54.5	2.727	3.646	7.2	19.9
10 8	1 32.02	+20 33.9	2.687	3.653	4.7	19.8
10 18	1 24.12	+20 2.3	2.676	3.659	2.9	19.7
10 28	1 16.39	+19 22.8	2.695	3.666	3.8	19.7
11 7	1 9.51	+18 39.6	2.743	3.671	6.3	19.9
11 17	1 3.99	+17 56.9	2.819	3.677	8.8	20.1

317339 2002 JA_{104} 10 16.3 72.°09 4.°5/12.1 18

9 8	1 50.81	− 3 41.1	2.208	3.042	12.5	19.9
9 18	1 46.27	− 4 18.2	2.143	3.049	9.8	19.7
9 28	1 39.89	− 4 55.5	2.101	3.055	6.9	19.6
10 8	1 32.26	− 5 28.1	2.085	3.062	4.7	19.4
10 18	1 24.08	− 5 51.4	2.097	3.069	5.0	19.5
10 28	1 16.21	− 6 1.2	2.138	3.076	7.3	19.6
11 7	1 9.40	− 5 55.6	2.205	3.083	10.1	19.8
11 17	1 4.24	− 5 34.2	2.296	3.089	12.7	20.0

403422 2009 SJ_{113} 10 16.3 17.°58 2.°3/18.5 17

9 8	1 48.39	+17 32.2	2.012	2.806	15.0	21.3
9 18	1 44.83	+17 30.4	1.931	2.808	12.1	21.1
9 28	1 39.18	+17 13.0	1.871	2.811	8.7	20.9
10 8	1 32.02	+16 41.2	1.835	2.814	5.0	20.7
10 18	1 24.12	+15 57.8	1.826	2.818	2.3	20.5
10 28	1 16.45	+15 7.7	1.845	2.821	4.6	20.7
11 7	1 9.92	+14 17.0	1.891	2.826	8.2	20.9
11 17	1 5.20	+13 31.8	1.963	2.830	11.6	21.1

181516 2006 UW_{78} 10 16.3 1.°20 1.°4/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 49.57	+14 0.9	1.694	2.510	16.5	20.8
9 18	1 46.13	+14 0.3	1.616	2.510	13.1	20.6
9 28	1 40.26	+13 44.6	1.558	2.509	9.1	20.4
10 8	1 32.58	+13 15.7	1.523	2.509	4.7	20.1
10 18	1 24.00	+12 37.1	1.514	2.510	1.4	19.9
10 28	1 15.68	+11 54.4	1.533	2.511	5.2	20.2
11 7	1 8.69	+11 14.4	1.578	2.512	9.6	20.4
11 17	1 3.82	+10 42.8	1.647	2.514	13.4	20.7

451356 2010 WR_{53} 10 16.3 207.°15 2.°9/19.7 18

9 8	1 48.78	+21 19.6	2.567	3.326	13.0	21.3
9 18	1 44.74	+21 12.5	2.470	3.322	10.7	21.1
9 28	1 38.94	+20 50.4	2.396	3.319	7.9	21.0
10 8	1 31.87	+20 13.7	2.347	3.315	5.0	20.8
10 18	1 24.15	+19 24.3	2.326	3.311	3.0	20.6
10 28	1 16.59	+18 26.1	2.334	3.307	4.1	20.7
11 7	1 9.92	+17 24.6	2.372	3.303	6.9	20.9
11 17	1 4.75	+16 25.2	2.436	3.298	9.8	21.1

484941 2009 SA_{187} 10 16.3 50.°60 2.°1/14.5 18

9 8	1 51.26	+ 3 40.6	2.116	2.941	13.3	20.9
9 18	1 46.74	+ 3 25.7	2.045	2.949	10.2	20.8
9 28	1 40.28	+ 3 5.7	1.997	2.956	6.8	20.6
10 8	1 32.47	+ 2 44.1	1.975	2.964	3.3	20.4
10 18	1 24.05	+ 2 24.7	1.981	2.972	2.5	20.3
10 28	1 15.92	+ 2 11.8	2.017	2.980	5.7	20.5
11 7	1 8.91	+ 2 8.3	2.080	2.989	9.1	20.8
11 17	1 3.62	+ 2 16.4	2.167	2.997	12.1	21.0

473390 2015 VF_{25} 10 16.3 316.°43 8.°8/ 6.2 18

9 8	1 46.72	−13 54.1	2.022	2.866	13.1	20.2
9 18	1 43.48	−15 31.9	1.958	2.855	11.0	20.0
9 28	1 38.25	−17 4.5	1.917	2.845	9.3	19.9
10 8	1 31.58	−18 23.5	1.902	2.834	8.9	19.9
10 18	1 24.22	−19 21.1	1.911	2.824	9.9	19.9
10 28	1 17.08	−19 52.0	1.946	2.815	11.8	20.0
11 7	1 11.02	−19 54.4	2.002	2.805	14.1	20.1
11 17	1 6.69	−19 29.4	2.077	2.796	16.2	20.3

164319 2005 AJ_{40} 10 16.3 241.°51 2.°7/18.7 18

9 8	1 52.42	+18 0.2	2.035	2.818	15.2	20.6
9 18	1 48.11	+18 5.6	1.938	2.808	12.4	20.4
9 28	1 41.51	+17 55.6	1.862	2.798	9.0	20.2
10 8	1 33.17	+17 30.4	1.811	2.788	5.3	20.0
10 18	1 23.88	+16 51.8	1.787	2.777	2.7	19.8
10 28	1 14.71	+16 4.3	1.791	2.767	4.9	19.9
11 7	1 6.66	+15 14.2	1.824	2.755	8.6	20.1
11 17	1 0.54	+14 27.9	1.882	2.744	12.2	20.3

378590 2008 EA_{23} 10 16.3 154.°82 1.°5/15.1 18

9 8	1 54.87	+ 7 37.2	1.854	2.672	15.2	21.7
9 18	1 49.85	+ 7 3.1	1.780	2.679	11.8	21.5
9 28	1 42.52	+ 6 18.7	1.728	2.686	7.8	21.3
10 8	1 33.55	+ 5 28.0	1.702	2.693	3.6	21.0
10 18	1 23.83	+ 4 36.5	1.705	2.698	2.0	21.0
10 28	1 14.46	+ 3 50.3	1.736	2.703	6.0	21.2
11 7	1 6.43	+ 3 15.1	1.795	2.708	10.0	21.5
11 17	1 0.45	+ 2 54.4	1.878	2.712	13.5	21.7

226563 2003 WT_{68} 10 16.3 279.°92 5.°0/22.9 18

9 8	1 47.06	+29 34.3	2.512	3.229	14.3	20.0
9 18	1 43.58	+29 24.4	2.412	3.224	12.2	19.8
9 28	1 38.25	+28 54.3	2.332	3.220	9.7	19.6
10 8	1 31.57	+28 3.1	2.276	3.215	7.2	19.4
10 18	1 24.23	+26 52.2	2.246	3.210	5.3	19.3
10 28	1 17.07	+25 25.8	2.244	3.206	5.3	19.3
11 7	1 10.89	+23 50.4	2.272	3.201	7.3	19.4
11 17	1 6.30	+22 13.5	2.326	3.196	9.9	19.6

312709 2010 PR_{49} 10 16.3 56.°76 5.°5/22.0 18

9 8	1 50.19	+27 3.4	2.126	2.866	15.9	20.6
9 18	1 46.30	+27 22.7	2.041	2.870	13.5	20.4
9 28	1 40.23	+27 22.0	1.974	2.874	10.7	20.2
10 8	1 32.53	+27 0.1	1.931	2.878	7.8	20.1
10 18	1 24.04	+26 17.6	1.914	2.882	5.7	20.0
10 28	1 15.77	+25 18.4	1.924	2.886	6.0	20.0
11 7	1 8.68	+24 9.3	1.961	2.891	8.3	20.1
11 17	1 3.51	+22 57.7	2.024	2.895	11.1	20.3

434536 2005 SJ_{270} 10 16.3 275.°25 1.°1/17.3 18

9 8	1 49.71	+15 24.1	1.631	2.445	17.1	21.4
9 18	1 46.45	+14 55.4	1.543	2.436	13.7	21.2
9 28	1 40.61	+14 7.2	1.475	2.426	9.5	20.9
10 8	1 32.81	+13 1.7	1.430	2.417	4.8	20.6
10 18	1 23.98	+11 44.2	1.412	2.408	1.2	20.3
10 28	1 15.34	+10 22.7	1.421	2.398	5.6	20.6
11 7	1 8.06	+ 9 6.4	1.457	2.389	10.3	20.9
11 17	1 3.01	+ 8 3.3	1.516	2.379	14.6	21.1

237086 2008 SJ_{309} 10 16.3 297°.93 0°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.65	+11 14.1	1.706	2.528	16.1	20.9
9 18	1 46.95	+10 52.8	1.624	2.524	12.7	20.7
9 28	1 40.82	+10 17.5	1.563	2.520	8.6	20.5
10 8	1 32.86	+ 9 31.3	1.527	2.517	4.0	20.2
10 18	1 23.98	+ 8 38.9	1.517	2.513	0.9	19.9
10 28	1 15.35	+ 7 47.2	1.535	2.509	5.7	20.3
11 7	1 8.03	+ 7 2.8	1.579	2.506	10.1	20.5
11 17	1 2.84	+ 6 31.2	1.647	2.503	14.0	20.8

53680 2000 DA_{76} 10 16.3 328°.21 3°.9/13.2 18

9 8	1 47.57	+ 4 56.0	1.346	2.204	17.6	19.5
9 18	1 45.10	+ 3 45.0	1.274	2.196	13.7	19.2
9 28	1 39.84	+ 2 20.1	1.221	2.189	9.1	18.9
10 8	1 32.48	+ 0 49.1	1.192	2.182	4.9	18.7
10 18	1 24.06	− 0 37.9	1.188	2.175	4.7	18.7
10 28	1 15.94	− 1 49.9	1.209	2.169	9.0	18.9
11 7	1 9.36	− 2 38.9	1.254	2.164	13.7	19.2
11 17	1 5.23	− 3 1.2	1.319	2.159	17.8	19.4

229875 2009 UR_{33} 10 16.3 210°.29 0°.9/17.5 18

9 8	1 47.20	+15 4.6	2.790	3.575	11.5	21.1
9 18	1 43.30	+14 39.4	2.695	3.571	9.1	20.9
9 28	1 37.88	+14 2.7	2.623	3.567	6.3	20.7
10 8	1 31.37	+13 16.4	2.578	3.562	3.2	20.5
10 18	1 24.32	+12 23.5	2.562	3.557	0.9	20.3
10 28	1 17.40	+11 27.9	2.576	3.552	3.6	20.5
11 7	1 11.26	+10 34.4	2.620	3.546	6.6	20.7
11 17	1 6.42	+ 9 47.0	2.691	3.540	9.4	20.9

323315 2003 UF_{111} 10 16.3 125°.29 4°.4/21.2 18

9 8	1 50.99	+24 51.3	2.530	3.267	13.7	21.1
9 18	1 46.51	+25 10.9	2.443	3.273	11.5	20.9
9 28	1 40.17	+25 14.7	2.376	3.279	8.9	20.8
10 8	1 32.46	+25 2.0	2.334	3.285	6.3	20.6
10 18	1 24.10	+24 33.6	2.319	3.291	4.5	20.5
10 28	1 15.92	+23 52.5	2.333	3.297	5.0	20.5
11 7	1 8.72	+23 3.5	2.375	3.302	7.2	20.7
11 17	1 3.13	+22 12.4	2.444	3.308	9.7	20.9

517049 2013 AF_{85} 10 16.3 168°.92 1°.8/18.0 18

9 8	1 51.69	+16 11.7	2.153	2.941	14.3	21.8
9 18	1 47.25	+16 6.9	2.068	2.943	11.5	21.6
9 28	1 40.75	+15 48.3	2.004	2.945	8.1	21.4
10 8	1 32.76	+15 16.8	1.965	2.946	4.5	21.2
10 18	1 24.04	+14 35.4	1.954	2.948	1.8	21.0
10 28	1 15.53	+13 48.6	1.973	2.949	4.4	21.2
11 7	1 8.12	+13 2.1	2.019	2.949	8.0	21.4
11 17	1 2.50	+12 21.3	2.092	2.950	11.4	21.7

297194 2010 XX_{68} 10 16.3 355°.23 3°.6/ 9.9 18

9 8	1 42.91	− 9 18.9	4.263	5.087	7.1	20.1
9 18	1 39.40	− 9 51.1	4.192	5.087	5.7	20.0
9 28	1 34.97	−10 21.1	4.147	5.087	4.4	19.9
10 8	1 29.94	−10 46.3	4.130	5.086	3.6	19.9
10 18	1 24.63	−11 4.4	4.142	5.086	4.0	19.9
10 28	1 19.43	−11 13.3	4.183	5.086	5.1	20.0
11 7	1 14.72	−11 11.9	4.251	5.086	6.6	20.1
11 17	1 10.79	−10 59.8	4.344	5.086	8.0	20.2

314641 2006 JM_{33} 10 16.3 153°.21 1°.0/15.6 17

9 8	1 56.08	+ 8 49.6	1.566	2.390	17.2	21.8
9 18	1 51.26	+ 8 25.5	1.494	2.396	13.5	21.5
9 28	1 43.73	+ 7 48.8	1.443	2.401	9.0	21.3
10 8	1 34.21	+ 7 3.4	1.415	2.406	4.1	21.0
10 18	1 23.76	+ 6 15.0	1.415	2.410	1.6	20.9
10 28	1 13.69	+ 5 30.6	1.443	2.414	6.4	21.2
11 7	1 5.22	+ 4 56.8	1.496	2.417	11.1	21.5
11 17	0 59.16	+ 4 37.9	1.573	2.420	15.0	21.7

248786 2006 SA_{54} 10 16.3 294°.17 9°.0/24.8 17

9 8	1 53.49	+34 2.7	2.016	2.711	17.9	20.1
9 18	1 49.47	+35 3.8	1.922	2.705	15.9	19.9
9 28	1 42.75	+35 42.8	1.845	2.699	13.5	19.8
10 8	1 33.88	+35 55.2	1.789	2.693	11.1	19.6
10 18	1 23.79	+35 38.3	1.756	2.687	9.4	19.5
10 28	1 13.77	+34 53.4	1.748	2.681	9.1	19.5
11 7	1 5.08	+33 46.5	1.766	2.675	10.4	19.5
11 17	0 58.70	+32 26.7	1.808	2.669	12.7	19.7

367964 2012 DY_{84} 10 16.3 10°.11 4°.0/11.8 18

9 8	1 45.11	+ 1 48.7	2.009	2.853	13.2	20.3
9 18	1 42.15	+ 0 24.2	1.939	2.854	10.1	20.1
9 28	1 37.31	− 1 7.4	1.893	2.855	6.9	19.9
10 8	1 31.16	− 2 39.5	1.873	2.857	4.3	19.7
10 18	1 24.39	− 4 4.3	1.882	2.859	4.8	19.8
10 28	1 17.88	− 5 14.9	1.918	2.861	7.6	19.9
11 7	1 12.41	− 6 6.3	1.980	2.864	10.8	20.1
11 17	1 8.57	− 6 36.0	2.065	2.867	13.6	20.3

395611 2011 UA_{363} 10 16.3 40°.76 0°.8/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 51.75	+ 8 19.4	1.722	2.549	15.8	20.9
9 18	1 47.63	+ 8 8.2	1.652	2.556	12.3	20.7
9 28	1 41.15	+ 7 46.8	1.604	2.563	8.2	20.4
10 8	1 32.97	+ 7 18.5	1.580	2.571	3.7	20.2
10 18	1 24.04	+ 6 47.8	1.584	2.579	1.3	20.0
10 28	1 15.44	+ 6 20.1	1.615	2.587	5.7	20.4
11 7	1 8.22	+ 6 0.5	1.672	2.596	9.9	20.6
11 17	1 3.09	+ 5 52.5	1.753	2.605	13.5	20.9

516974 2012 GJ_{21} 10 16.3 182°.25 5°.0/10.1 18

9 8	1 50.65	−10 0.3	3.059	3.878	9.8	22.0
9 18	1 45.68	−10 41.4	2.988	3.878	7.8	21.9
9 28	1 39.31	−11 19.4	2.942	3.878	6.1	21.8
10 8	1 31.99	−11 50.2	2.924	3.878	5.0	21.7
10 18	1 24.25	−12 10.1	2.935	3.877	5.5	21.7
10 28	1 16.70	−12 16.4	2.975	3.876	7.0	21.8
11 7	1 9.94	−12 7.7	3.041	3.875	9.0	22.0
11 17	1 4.41	−11 44.1	3.132	3.873	10.8	22.1

81521 2000 HK_{7} 10 16.3 46°.25 2°.7/13.9 18

9 8	1 49.54	+ 4 26.8	1.774	2.612	14.9	19.7
9 18	1 45.79	+ 3 43.1	1.708	2.619	11.5	19.5
9 28	1 39.85	+ 2 51.3	1.664	2.626	7.6	19.2
10 8	1 32.35	+ 1 56.8	1.645	2.634	3.8	19.0
10 18	1 24.17	+ 1 5.7	1.653	2.642	3.3	19.0
10 28	1 16.34	+ 0 24.3	1.688	2.650	6.8	19.3
11 7	1 9.79	− 0 2.5	1.750	2.658	10.6	19.5
11 17	1 5.18	− 0 12.2	1.835	2.666	13.9	19.7

119965 2002 TT_{265} 10 16.3 322°.75 2°.8/18.4 18

9 8	1 48.25	+17 30.2	1.342	2.166	19.6	19.2
9 18	1 45.97	+17 30.0	1.257	2.152	15.9	18.9
9 28	1 40.69	+17 7.4	1.190	2.140	11.5	18.6
10 8	1 33.01	+16 22.7	1.145	2.128	6.6	18.3
10 18	1 24.00	+15 19.5	1.123	2.116	2.8	18.1
10 28	1 15.14	+14 5.8	1.126	2.106	6.2	18.3
11 7	1 7.88	+12 52.4	1.154	2.096	11.4	18.5
11 17	1 3.28	+11 49.1	1.204	2.086	16.2	18.8

487857 2015 TF_{107} 10 16.3 97°.01 4°.4/11.9 18

9 8	1 49.97	− 3 40.3	2.324	3.156	12.0	21.5
9 18	1 45.57	− 4 22.7	2.257	3.162	9.4	21.3
9 28	1 39.43	− 5 5.5	2.214	3.168	6.6	21.1
10 8	1 32.09	− 5 44.0	2.198	3.174	4.6	21.0
10 18	1 24.23	− 6 13.3	2.209	3.179	4.9	21.1
10 28	1 16.65	− 6 29.4	2.250	3.185	7.2	21.2
11 7	1 10.06	− 6 30.2	2.317	3.191	9.9	21.4
11 17	1 5.02	− 6 15.0	2.407	3.196	12.3	21.6

382499 2001 QV_{175} 10 16.3 63°.49 0°.8/15.7 16

9 8	1 53.11	+10 15.4	1.387	2.222	18.5	21.3
9 18	1 49.00	+ 9 39.5	1.334	2.242	14.3	21.1
9 28	1 42.16	+ 8 48.6	1.302	2.262	9.5	20.9
10 8	1 33.43	+ 7 47.8	1.292	2.283	4.3	20.6
10 18	1 23.98	+ 6 44.2	1.309	2.304	1.5	20.5
10 28	1 15.15	+ 5 46.3	1.352	2.325	6.5	20.9
11 7	1 8.07	+ 5 1.3	1.420	2.346	11.1	21.2
11 17	1 3.47	+ 4 33.6	1.511	2.366	15.1	21.5

508874 2003 FO_{79} 10 16.3 218°.41 2°.3/18.2 18

9 8	1 56.27	+16 8.7	2.043	2.825	15.2	21.6
9 18	1 51.10	+16 24.3	1.947	2.818	12.3	21.4
9 28	1 43.55	+16 26.7	1.871	2.810	8.8	21.2
10 8	1 34.17	+16 15.8	1.821	2.801	5.0	21.0
10 18	1 23.79	+15 53.2	1.799	2.792	2.3	20.8
10 28	1 13.51	+15 22.6	1.807	2.782	4.9	20.9
11 7	1 4.40	+14 49.6	1.843	2.771	8.8	21.1
11 17	0 57.30	+14 19.7	1.904	2.760	12.4	21.3

411548 2011 CE_{15} 10 16.3 218°.43 4°.2/20.9 17

9 8	1 49.88	+24 17.9	2.558	3.300	13.5	21.6
9 18	1 45.70	+24 34.2	2.463	3.298	11.3	21.4
9 28	1 39.68	+24 35.1	2.388	3.295	8.7	21.3
10 8	1 32.29	+24 19.9	2.339	3.293	6.1	21.1
10 18	1 24.20	+23 49.5	2.316	3.290	4.3	21.0
10 28	1 16.23	+23 6.7	2.322	3.288	4.8	21.0
11 7	1 9.19	+22 16.5	2.357	3.285	7.1	21.2
11 17	1 3.71	+21 24.4	2.418	3.282	9.8	21.3

223460 2003 UD_{81} 10 16.3 4°.05 11°.0/ 9.8 18

9 8	2 0.84	−22 15.7	1.805	2.615	15.9	19.2
9 18	1 54.47	−22 41.6	1.750	2.614	13.7	19.1
9 28	1 45.57	−22 51.2	1.715	2.615	11.9	19.0
10 8	1 34.95	−22 36.7	1.704	2.617	11.0	18.9
10 18	1 23.70	−21 53.3	1.717	2.619	11.5	19.0
10 28	1 13.08	−20 39.6	1.756	2.622	13.0	19.1
11 7	1 4.15	−18 58.9	1.819	2.626	15.1	19.2
11 17	0 57.59	−16 56.9	1.903	2.631	17.2	19.4

222410 2001 FB_{112} 10 16.3 210°.57 0°.8/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.84	+ 7 20.3	2.395	3.207	12.4	20.5
9 18	1 46.32	+ 7 10.3	2.310	3.205	9.6	20.3
9 28	1 40.01	+ 6 53.2	2.248	3.204	6.4	20.1
10 8	1 32.41	+ 6 31.7	2.212	3.202	2.9	19.9
10 18	1 24.19	+ 6 8.8	2.206	3.201	1.2	19.7
10 28	1 16.14	+ 5 48.3	2.230	3.199	4.6	20.0
11 7	1 9.03	+ 5 33.8	2.281	3.197	8.0	20.2
11 17	1 3.46	+ 5 28.0	2.359	3.196	11.0	20.4

244699 2003 QV_{20} 10 16.3 32°.17 1°.8/14.7 18

9 8	1 48.04	+ 6 32.2	1.787	2.624	14.9	19.7
9 18	1 44.57	+ 5 58.0	1.727	2.637	11.5	19.5
9 28	1 38.99	+ 5 14.7	1.688	2.650	7.5	19.3
10 8	1 31.95	+ 4 26.9	1.674	2.665	3.5	19.1
10 18	1 24.30	+ 3 40.3	1.687	2.680	2.3	19.0
10 28	1 17.02	+ 3 0.7	1.728	2.695	6.0	19.3
11 7	1 11.01	+ 2 33.0	1.795	2.711	9.8	19.6
11 17	1 6.87	+ 2 20.0	1.885	2.728	13.1	19.8

452213 2015 RC_{216} 10 16.3 43°.35 2°.4/13.9 18

9 8	1 46.84	+ 7 8.5	1.791	2.628	14.9	21.2
9 18	1 43.67	+ 5 59.5	1.726	2.637	11.4	21.0
9 28	1 38.42	+ 4 39.0	1.684	2.647	7.5	20.8
10 8	1 31.70	+ 3 13.1	1.667	2.657	3.6	20.6
10 18	1 24.35	+ 1 49.3	1.677	2.667	3.0	20.6
10 28	1 17.35	+ 0 35.5	1.715	2.678	6.6	20.8
11 7	1 11.57	− 0 22.1	1.780	2.689	10.4	21.1
11 17	1 7.64	− 1 0.1	1.868	2.700	13.7	21.3

171674 2000 QA_{37} 10 16.3 6°.24 0°.9/15.8 18

9 8	1 41.90	+10 58.3	0.855	1.739	22.8	18.6
9 18	1 41.85	+10 28.2	0.803	1.739	17.9	18.3
9 28	1 38.23	+ 9 34.4	0.767	1.740	12.0	18.0
10 8	1 31.91	+ 8 23.3	0.750	1.743	5.5	17.6
10 18	1 24.30	+ 7 5.7	0.753	1.749	1.8	17.4
10 28	1 17.24	+ 5 55.1	0.777	1.756	8.3	17.9
11 7	1 12.32	+ 5 3.3	0.821	1.765	14.4	18.2
11 17	1 10.52	+ 4 37.0	0.884	1.777	19.5	18.6

421883 2014 QR_{174} 10 16.3 22°.64 3°.1/19.0 14 C

9 8	1 50.93	+18 7.4	2.027	2.812	15.2	21.3
9 18	1 46.85	+18 29.9	1.946	2.816	12.3	21.1
9 28	1 40.60	+18 38.1	1.887	2.821	9.0	20.9
10 8	1 32.76	+18 31.9	1.851	2.826	5.5	20.7
10 18	1 24.14	+18 12.8	1.843	2.832	3.1	20.6
10 28	1 15.73	+17 44.6	1.863	2.838	4.8	20.7
11 7	1 8.50	+17 12.6	1.910	2.844	8.2	20.9
11 17	1 3.14	+16 42.2	1.983	2.850	11.5	21.2

9356 Elineke 10 16.3 275°.49 8°.3/ 8.6 18

9 8	1 50.91	−10 31.7	1.803	2.648	14.4	16.6
9 18	1 47.00	−11 54.4	1.734	2.638	11.8	16.4
9 28	1 40.78	−13 14.4	1.687	2.627	9.4	16.3
10 8	1 32.86	−14 22.6	1.665	2.617	8.3	16.2
10 18	1 24.12	−15 10.9	1.668	2.606	9.2	16.2
10 28	1 15.63	−15 33.1	1.696	2.595	11.6	16.3
11 7	1 8.40	−15 27.1	1.748	2.584	14.4	16.5
11 17	1 3.18	−14 54.1	1.819	2.574	17.0	16.7

78200 2002 NU_{48} 10 16.3 154°.34 3°.2/20.1 18

9 8	1 49.00	+22 6.5	2.626	3.379	12.9	20.0
9 18	1 44.88	+22 6.3	2.536	3.383	10.6	19.8
9 28	1 39.04	+21 51.4	2.467	3.386	8.0	19.7
10 8	1 31.97	+21 22.1	2.424	3.389	5.2	19.5
10 18	1 24.31	+20 40.0	2.408	3.391	3.3	19.4
10 28	1 16.82	+19 48.7	2.422	3.394	4.2	19.5
11 7	1 10.23	+18 53.3	2.465	3.396	6.7	19.6
11 17	1 5.12	+17 58.9	2.535	3.398	9.4	19.8

360437 2002 JU_{72} 10 16.3 61°.73 5°.2/11.1 18

9 8	1 49.07	− 4 50.7	2.142	2.982	12.7	19.9
9 18	1 45.01	− 5 47.0	2.081	2.989	9.9	19.7
9 28	1 39.13	− 6 43.3	2.044	2.997	7.2	19.6
10 8	1 31.99	− 7 33.7	2.033	3.005	5.4	19.5
10 18	1 24.32	− 8 12.4	2.049	3.013	5.8	19.5
10 28	1 16.96	− 8 35.2	2.093	3.021	8.1	19.7
11 7	1 10.66	− 8 39.5	2.163	3.029	10.8	19.9
11 17	1 6.01	− 8 25.2	2.255	3.037	13.3	20.0

361897 2008 GN_{2} 10 16.3 75°.21 2°.8/18.8 18

9 8	1 54.09	+17 39.4	2.088	2.867	15.0	21.2
9 18	1 49.09	+17 59.8	2.018	2.885	12.1	21.1
9 28	1 41.96	+18 6.2	1.968	2.902	8.7	20.9
10 8	1 33.34	+17 58.9	1.944	2.920	5.2	20.7
10 18	1 24.05	+17 39.7	1.948	2.937	2.8	20.6
10 28	1 15.09	+17 12.2	1.980	2.955	4.6	20.7
11 7	1 7.36	+16 41.8	2.041	2.972	7.9	21.0
11 17	1 1.54	+16 13.5	2.128	2.989	11.0	21.2

23959 1998 VZ_{36} 10 16.3 102°.52 2°.2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 49.85	+19 50.7	1.995	2.776	15.5	17.5
9 18	1 45.90	+19 13.1	1.920	2.789	12.5	17.3
9 28	1 39.86	+18 16.2	1.865	2.802	8.9	17.1
10 8	1 32.37	+17 2.1	1.836	2.815	5.1	16.9
10 18	1 24.26	+15 35.6	1.835	2.827	2.2	16.7
10 28	1 16.50	+14 3.8	1.863	2.839	4.5	16.9
11 7	1 9.97	+12 34.8	1.919	2.851	8.2	17.2
11 17	1 5.30	+11 15.6	2.001	2.863	11.6	17.4

148294 2000 HQ_{34} 10 16.3 265°.82 0°.1/16.4 18

9 8	1 53.43	+10 54.9	1.676	2.495	16.5	20.2
9 18	1 49.37	+10 45.3	1.584	2.481	13.1	19.9
9 28	1 42.66	+10 22.4	1.511	2.467	8.9	19.7
10 8	1 33.87	+ 9 48.4	1.463	2.453	4.2	19.4
10 18	1 23.93	+ 9 7.4	1.442	2.438	0.8	19.1
10 28	1 14.08	+ 8 25.4	1.448	2.423	5.9	19.4
11 7	1 5.55	+ 7 49.4	1.481	2.408	10.6	19.6
11 17	0 59.29	+ 7 25.0	1.537	2.393	14.8	19.9

479645 2014 DX_{53} 10 16.3 237°.15 0°.2/16.2 18

9 8	1 51.32	+10 56.6	1.871	2.686	15.2	22.0
9 18	1 47.30	+10 33.6	1.785	2.681	11.9	21.8
9 28	1 41.00	+ 9 57.6	1.720	2.676	8.1	21.6
10 8	1 32.99	+ 9 11.7	1.681	2.670	3.7	21.3
10 18	1 24.12	+ 8 20.4	1.669	2.665	0.9	21.1
10 28	1 15.45	+ 7 29.7	1.685	2.659	5.4	21.4
11 7	1 7.98	+ 6 46.0	1.729	2.653	9.6	21.6
11 17	1 2.48	+ 6 14.2	1.797	2.647	13.3	21.9

263871 2009 DP_{47} 10 16.3 135°.82 2°.4/13.7 18

9 8	1 50.22	+ 4 22.3	2.401	3.221	12.1	22.1
9 18	1 45.69	+ 3 27.2	2.332	3.234	9.3	21.9
9 28	1 39.49	+ 2 25.6	2.287	3.246	6.1	21.7
10 8	1 32.14	+ 1 22.1	2.270	3.258	3.2	21.6
10 18	1 24.31	+ 0 21.7	2.282	3.269	2.9	21.6
10 28	1 16.76	− 0 30.4	2.324	3.279	5.6	21.8
11 7	1 10.19	− 1 10.3	2.394	3.289	8.7	22.0
11 17	1 5.12	− 1 35.4	2.489	3.299	11.4	22.2

220430 2003 UK_{28} 10 16.3 314°.10 1°.2/15.3 17

9 8	1 50.81	+ 6 1.3	2.197	3.017	13.1	20.3
9 18	1 46.53	+ 5 54.5	2.109	3.009	10.2	20.1
9 28	1 40.29	+ 5 41.2	2.044	3.002	6.8	19.8
10 8	1 32.61	+ 5 24.1	2.005	2.996	3.1	19.6
10 18	1 24.20	+ 5 6.7	1.995	2.989	1.6	19.5
10 28	1 15.95	+ 4 52.7	2.014	2.982	5.2	19.7
11 7	1 8.69	+ 4 45.9	2.060	2.976	8.8	19.9
11 17	1 3.10	+ 4 48.9	2.131	2.970	11.9	20.1

418730 2008 UE_{113} 10 16.3 7°.36 2°.3/18.9 16

9 8	1 45.86	+19 11.1	2.160	2.946	14.3	21.5
9 18	1 42.78	+18 52.1	2.075	2.947	11.6	21.3
9 28	1 37.80	+18 16.3	2.011	2.948	8.4	21.1
10 8	1 31.45	+17 25.3	1.972	2.950	4.9	20.9
10 18	1 24.45	+16 22.3	1.961	2.952	2.4	20.8
10 28	1 17.65	+15 12.7	1.977	2.954	4.3	20.9
11 7	1 11.88	+14 3.2	2.022	2.957	7.7	21.1
11 17	1 7.75	+12 59.8	2.093	2.960	10.9	21.3

467858 2010 WM_{61} 10 16.3 94°.46 3°.5/ 9.9 16

9 8	1 43.12	− 9 33.4	4.442	5.264	6.9	21.5
9 18	1 39.53	−10 4.1	4.376	5.269	5.5	21.4
9 28	1 35.07	−10 32.6	4.336	5.274	4.2	21.3
10 8	1 30.03	−10 56.4	4.324	5.279	3.5	21.2
10 18	1 24.75	−11 13.2	4.341	5.284	3.9	21.3
10 28	1 19.58	−11 21.1	4.387	5.289	5.0	21.3
11 7	1 14.88	−11 19.2	4.461	5.294	6.3	21.5
11 17	1 10.95	−11 7.0	4.559	5.298	7.7	21.6

458508 2011 CM_{42} 10 16.3 224°.80 9°.3/29.9 18

9 8	1 56.83	+46 21.2	3.161	3.711	14.2	21.6
9 18	1 51.52	+47 24.9	3.055	3.702	13.1	21.4
9 28	1 43.88	+48 10.0	2.965	3.693	11.9	21.3
10 8	1 34.40	+48 32.2	2.893	3.683	10.8	21.2
10 18	1 23.84	+48 28.6	2.844	3.673	9.8	21.1
10 28	1 13.24	+47 58.9	2.818	3.662	9.4	21.1
11 7	1 3.67	+47 6.1	2.817	3.651	9.6	21.1
11 17	0 55.97	+45 55.4	2.840	3.640	10.4	21.1

296924 2010 CS_{134} 10 16.3 128°.34 4°.5/21.3 18

9 8	1 51.94	+25 40.2	2.174	2.916	15.6	20.9
9 18	1 47.52	+25 38.4	2.093	2.927	13.0	20.7
9 28	1 40.98	+25 16.7	2.031	2.938	10.0	20.5
10 8	1 32.92	+24 34.6	1.992	2.948	6.9	20.4
10 18	1 24.17	+23 34.1	1.981	2.958	4.7	20.2
10 28	1 15.72	+22 20.2	1.999	2.967	5.2	20.3
11 7	1 8.47	+20 59.9	2.045	2.976	7.9	20.5
11 17	1 3.10	+19 40.9	2.117	2.984	10.8	20.7

476650 2008 SP_{273} 10 16.3 325°.05 6°.2/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 51.63	− 3 28.0	1.428	2.285	16.9	21.3
9 18	1 48.22	− 4 8.3	1.351	2.270	13.4	21.0
9 28	1 41.99	− 4 50.5	1.295	2.256	9.6	20.8
10 8	1 33.57	− 5 27.1	1.262	2.242	6.6	20.6
10 18	1 24.02	− 5 50.1	1.254	2.229	6.9	20.5
10 28	1 14.70	− 5 52.7	1.270	2.217	10.3	20.7
11 7	1 6.90	− 5 31.7	1.310	2.206	14.3	20.9
11 17	1 1.57	− 4 47.3	1.370	2.195	18.1	21.1

519801 2013 GB_{141} 10 16.3 141°.69 0°.1/16.4 18

9 8	1 49.20	+11 17.2	2.319	3.125	12.9	21.9
9 18	1 45.12	+10 54.1	2.237	3.128	10.1	21.7
9 28	1 39.25	+10 20.5	2.178	3.131	6.8	21.5
10 8	1 32.10	+ 9 38.8	2.146	3.134	3.2	21.3
10 18	1 24.34	+ 8 52.9	2.141	3.137	0.6	21.1
10 28	1 16.80	+ 8 7.5	2.167	3.140	4.4	21.4
11 7	1 10.23	+ 7 27.3	2.220	3.143	7.9	21.6
11 17	1 5.22	+ 6 56.2	2.300	3.145	10.9	21.8

303189 2004 FB_{120} 10 16.3 333°.89 2°.0/14.5 18

9 8	1 47.53	+ 7 13.5	1.711	2.549	15.4	20.7
9 18	1 44.51	+ 6 25.8	1.632	2.543	11.9	20.5
9 28	1 39.19	+ 5 25.9	1.574	2.537	7.9	20.3
10 8	1 32.18	+ 4 19.1	1.541	2.532	3.7	20.0
10 18	1 24.33	+ 3 12.0	1.535	2.527	2.6	19.9
10 28	1 16.70	+ 2 12.2	1.556	2.522	6.6	20.2
11 7	1 10.32	+ 1 26.2	1.603	2.518	10.8	20.4
11 17	1 5.93	+ 0 58.4	1.672	2.515	14.5	20.6

353773 2012 HK_{25} 10 16.3 91°.56 3°.6/13.7 17

9 8	1 55.70	+ 3 12.3	1.520	2.358	17.0	21.0
9 18	1 50.75	+ 2 21.8	1.467	2.378	13.1	20.8
9 28	1 43.22	+ 1 23.7	1.436	2.398	8.7	20.6
10 8	1 33.95	+ 0 25.0	1.430	2.418	4.6	20.4
10 18	1 24.01	− 0 27.2	1.450	2.437	4.2	20.4
10 28	1 14.68	− 1 5.8	1.498	2.456	7.8	20.7
11 7	1 7.02	− 1 26.3	1.571	2.475	11.8	21.0
11 17	1 1.72	− 1 27.3	1.666	2.493	15.3	21.2

4108 Rakos 10 16.3 213°.08 0°.1/16.3 18

9 8	1 50.97	+11 22.8	2.141	2.948	13.8	18.7
9 18	1 46.73	+10 54.9	2.052	2.943	10.8	18.5
9 28	1 40.47	+10 14.9	1.984	2.937	7.3	18.3
10 8	1 32.73	+ 9 25.6	1.943	2.932	3.4	18.0
10 18	1 24.23	+ 8 31.0	1.930	2.926	0.7	17.8
10 28	1 15.91	+ 7 36.9	1.946	2.919	4.8	18.1
11 7	1 8.64	+ 6 48.9	1.991	2.912	8.7	18.3
11 17	1 3.10	+ 6 11.6	2.061	2.905	12.1	18.5

329651 2003 SY_{281} 10 16.3 303°.20 0°.8/15.3 18

9 8	1 44.96	+12 39.4	2.197	3.010	13.3	20.7
9 18	1 42.05	+11 19.1	2.101	2.998	10.4	20.5
9 28	1 37.32	+ 9 42.3	2.029	2.986	6.9	20.2
10 8	1 31.26	+ 7 53.3	1.983	2.974	3.1	20.0
10 18	1 24.53	+ 5 58.9	1.967	2.962	1.4	19.8
10 28	1 17.95	+ 4 7.2	1.982	2.950	5.2	20.1
11 7	1 12.30	+ 2 26.2	2.024	2.939	9.0	20.3
11 17	1 8.21	+ 1 2.0	2.093	2.928	12.3	20.5

124579 2001 SF_{15} 10 16.3 61°.14 0°.7/15.9 18

9 8	1 54.71	+ 9 54.0	1.367	2.200	18.8	19.8
9 18	1 50.27	+ 9 29.9	1.317	2.223	14.6	19.6
9 28	1 43.04	+ 8 51.5	1.287	2.247	9.7	19.3
10 8	1 33.89	+ 8 3.7	1.280	2.270	4.4	19.1
10 18	1 24.04	+ 7 12.8	1.298	2.294	1.3	19.0
10 28	1 14.86	+ 6 26.5	1.344	2.318	6.4	19.4
11 7	1 7.51	+ 5 51.6	1.415	2.341	11.1	19.7
11 17	1 2.70	+ 5 32.2	1.508	2.365	15.0	20.0

331583 2001 SV_{119} 10 16.3 76°.92 3°.5/19.6 18

9 8	1 52.64	+20 17.6	1.945	2.721	16.1	20.6
9 18	1 48.22	+20 30.9	1.872	2.734	13.1	20.4
9 28	1 41.53	+20 27.1	1.818	2.747	9.7	20.2
10 8	1 33.22	+20 6.2	1.789	2.760	6.1	20.0
10 18	1 24.16	+19 30.2	1.787	2.773	3.6	19.9
10 28	1 15.42	+18 43.8	1.812	2.786	5.0	20.0
11 7	1 7.98	+17 53.4	1.865	2.799	8.3	20.3
11 17	1 2.55	+17 5.6	1.944	2.812	11.6	20.5

263233 2008 AJ_{69} 10 16.3 287°.17 2°.9/14.2 18

9 8	1 51.90	+ 5 24.6	1.413	2.259	17.6	21.1
9 18	1 48.44	+ 4 40.8	1.337	2.252	13.7	20.9
9 28	1 42.13	+ 3 44.9	1.281	2.245	9.2	20.6
10 8	1 33.65	+ 2 43.0	1.248	2.239	4.5	20.3
10 18	1 24.06	+ 1 42.9	1.241	2.232	3.6	20.3
10 28	1 14.74	+ 0 53.3	1.260	2.225	8.1	20.5
11 7	1 6.99	+ 0 21.4	1.303	2.219	12.8	20.8
11 17	1 1.74	+ 0 10.7	1.368	2.212	17.0	21.0

378091 2006 UD_{107} 10 16.4 44°.64 3°.9/14.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 55.32	+ 2 20.0	1.153	2.012	19.9	20.6
9 18	1 51.18	+ 1 53.1	1.107	2.029	15.4	20.4
9 28	1 43.86	+ 1 19.4	1.080	2.046	10.3	20.2
10 8	1 34.33	+ 0 45.8	1.075	2.065	5.3	20.0
10 18	1 23.97	+ 0 19.7	1.094	2.084	4.5	20.0
10 28	1 14.38	+ 0 8.0	1.138	2.103	8.8	20.3
11 7	1 6.87	+ 0 14.6	1.206	2.123	13.4	20.6
11 17	1 2.23	+ 0 40.1	1.293	2.143	17.4	20.9

28508 Kishore 10 16.4 103°.50 1°.3/15.4 18

9 8	1 55.63	+ 7 26.9	1.635	2.460	16.6	18.7
9 18	1 50.74	+ 7 9.2	1.569	2.471	12.9	18.5
9 28	1 43.30	+ 6 41.3	1.524	2.483	8.6	18.3
10 8	1 34.05	+ 6 7.1	1.503	2.494	3.9	18.0
10 18	1 24.02	+ 5 31.7	1.510	2.505	1.8	17.9
10 28	1 14.42	+ 5 1.1	1.545	2.516	6.2	18.2
11 7	1 6.35	+ 4 40.5	1.607	2.526	10.5	18.5
11 17	1 0.57	+ 4 33.4	1.692	2.536	14.2	18.8

400484 2008 HL_{7} 10 16.4 109°.69 3°.5/12.3 18

9 8	1 48.18	+ 1 13.9	2.369	3.200	11.9	20.9
9 18	1 44.15	+ 0 4.6	2.306	3.213	9.1	20.8
9 28	1 38.49	− 1 9.2	2.268	3.227	6.2	20.6
10 8	1 31.72	− 2 22.2	2.257	3.240	3.8	20.5
10 18	1 24.49	− 3 28.7	2.275	3.253	4.0	20.5
10 28	1 17.55	− 4 23.5	2.322	3.265	6.5	20.7
11 7	1 11.56	− 5 2.8	2.396	3.278	9.3	20.9
11 17	1 7.04	− 5 24.9	2.495	3.290	11.8	21.1

330315 2006 UL_{37} 10 16.4 105°.93 0°.1/16.4 15

9 8	1 55.00	+10 57.9	1.536	2.358	17.6	21.3
9 18	1 50.51	+10 45.6	1.466	2.366	13.8	21.1
9 28	1 43.31	+10 19.3	1.417	2.373	9.4	20.9
10 8	1 34.12	+ 9 42.0	1.392	2.381	4.4	20.6
10 18	1 24.01	+ 8 58.6	1.393	2.389	0.8	20.3
10 28	1 14.32	+ 8 15.9	1.421	2.396	5.9	20.7
11 7	1 6.22	+ 7 40.6	1.476	2.403	10.6	21.0
11 17	1 0.55	+ 7 17.9	1.553	2.410	14.7	21.3

124973 2001 TQ_{110} 10 16.4 60°.47 3°.4/18.7 18

9 8	1 54.60	+18 15.3	1.185	2.005	21.9	18.9
9 18	1 50.93	+18 21.3	1.128	2.020	17.6	18.7
9 28	1 43.92	+18 2.9	1.088	2.035	12.6	18.5
10 8	1 34.47	+17 21.0	1.068	2.050	7.3	18.2
10 18	1 23.96	+16 20.3	1.073	2.065	3.4	18.1
10 28	1 14.09	+15 10.0	1.102	2.081	6.5	18.3
11 7	1 6.31	+14 1.4	1.156	2.097	11.5	18.6
11 17	1 1.54	+13 3.9	1.232	2.113	16.0	18.9

168960 2001 BQ_{19} 10 16.4 137°.29 4°.2/21.1 18

9 8	1 55.24	+24 53.9	2.513	3.242	14.0	20.5
9 18	1 49.76	+25 7.4	2.431	3.257	11.7	20.3
9 28	1 42.35	+25 4.5	2.370	3.272	9.0	20.2
10 8	1 33.55	+24 44.6	2.334	3.286	6.3	20.0
10 18	1 24.13	+24 8.6	2.326	3.300	4.4	19.9
10 28	1 14.97	+23 20.1	2.348	3.312	4.9	20.0
11 7	1 6.91	+22 24.5	2.399	3.324	7.2	20.1
11 17	1 0.56	+21 27.7	2.477	3.335	9.8	20.3

139659 2001 QZ_{184} 10 16.4 90°.67 3°.8/20.7 18

9 8	1 51.50	+24 19.4	2.079	2.833	15.8	20.3
9 18	1 47.12	+24 1.8	2.009	2.854	13.0	20.2
9 28	1 40.66	+23 23.7	1.959	2.875	9.8	20.0
10 8	1 32.77	+22 26.0	1.933	2.896	6.4	19.8
10 18	1 24.30	+21 11.8	1.934	2.916	4.0	19.7
10 28	1 16.23	+19 47.2	1.964	2.937	4.9	19.8
11 7	1 9.44	+18 20.1	2.023	2.956	7.8	20.0
11 17	1 4.53	+16 57.8	2.108	2.976	10.9	20.3

411544 2011 CW_{1} 10 16.4 226°.47 0°.5/16.9 17

9 8	1 49.13	+12 22.9	2.806	3.597	11.3	22.2
9 18	1 44.85	+12 11.7	2.708	3.589	8.9	22.0
9 28	1 39.00	+11 51.5	2.633	3.581	6.1	21.8
10 8	1 32.01	+11 23.8	2.586	3.573	3.0	21.6
10 18	1 24.44	+10 51.0	2.568	3.564	0.6	21.4
10 28	1 16.97	+10 16.6	2.581	3.555	3.7	21.7
11 7	1 10.26	+ 9 44.5	2.622	3.546	6.8	21.8
11 17	1 4.85	+ 9 18.0	2.691	3.536	9.5	22.0

80725 2000 CD_{26} 10 16.4 242°.67 0°.9/15.6 18

9 8	1 52.23	+ 9 55.2	1.744	2.566	15.9	20.6
9 18	1 48.26	+ 9 19.9	1.655	2.555	12.5	20.4
9 28	1 41.81	+ 8 30.5	1.586	2.544	8.4	20.1
10 8	1 33.48	+ 7 30.8	1.543	2.533	3.8	19.8
10 18	1 24.15	+ 6 26.3	1.526	2.521	1.5	19.6
10 28	1 14.97	+ 5 24.4	1.538	2.509	6.1	19.9
11 7	1 7.06	+ 4 32.4	1.576	2.497	10.6	20.1
11 17	1 1.28	+ 3 55.8	1.638	2.484	14.6	20.4

449328 2013 FF_{21} 10 16.4 235°.40 0°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 49.89	+12 55.8	2.111	2.915	14.0	21.7
9 18	1 45.93	+12 40.5	2.025	2.914	11.1	21.5
9 28	1 39.96	+12 12.9	1.962	2.912	7.6	21.3
10 8	1 32.51	+11 34.9	1.924	2.911	3.7	21.1
10 18	1 24.35	+10 50.2	1.914	2.910	0.8	20.9
10 28	1 16.38	+10 3.8	1.933	2.908	4.6	21.1
11 7	1 9.47	+ 9 21.3	1.979	2.907	8.4	21.4
11 17	1 4.29	+ 8 47.3	2.051	2.905	11.7	21.6

495925 2005 YV_{69} 10 16.4 248°.38 0°.5/15.8 18

9 8	1 49.04	+ 9 26.9	2.417	3.226	12.3	22.1
9 18	1 45.03	+ 9 3.9	2.323	3.217	9.6	21.9
9 28	1 39.24	+ 8 31.7	2.253	3.209	6.5	21.7
10 8	1 32.16	+ 7 52.9	2.210	3.200	2.9	21.5
10 18	1 24.42	+ 7 11.0	2.195	3.191	0.9	21.3
10 28	1 16.80	+ 6 30.6	2.210	3.182	4.5	21.5
11 7	1 10.07	+ 5 56.1	2.254	3.172	8.0	21.7
11 17	1 4.83	+ 5 31.0	2.323	3.163	11.0	21.9

356722 2011 US_{176} 10 16.4 33°.77 2°.4/18.7 18

9 8	1 49.55	+18 28.9	1.963	2.751	15.5	20.7
9 18	1 45.88	+18 17.4	1.878	2.752	12.5	20.5
9 28	1 40.03	+17 48.5	1.814	2.752	9.0	20.3
10 8	1 32.58	+17 3.4	1.774	2.753	5.2	20.1
10 18	1 24.34	+16 5.3	1.762	2.754	2.4	19.9
10 28	1 16.33	+15 0.0	1.777	2.754	4.7	20.1
11 7	1 9.50	+13 54.5	1.821	2.755	8.5	20.3
11 17	1 4.57	+12 55.6	1.889	2.756	12.0	20.5

399220 2014 GA_{42} 10 16.4 304°.13 0°.9/17.2 18

9 8	1 47.39	+15 26.3	1.673	2.489	16.7	20.8
9 18	1 44.67	+14 50.3	1.580	2.475	13.3	20.5
9 28	1 39.50	+13 54.3	1.508	2.461	9.3	20.3
10 8	1 32.44	+12 40.8	1.459	2.447	4.7	20.0
10 18	1 24.37	+11 15.2	1.437	2.433	1.0	19.7
10 28	1 16.43	+ 9 45.9	1.442	2.420	5.5	20.0
11 7	1 9.75	+ 8 22.4	1.474	2.406	10.2	20.2
11 17	1 5.19	+ 7 12.6	1.529	2.394	14.4	20.4

70834 1999 VU_{90} 10 16.4 337°.80 1°.2/15.6 18

9 8	1 50.76	+ 7 9.9	1.446	2.290	17.4	18.6
9 18	1 47.56	+ 7 3.6	1.367	2.280	13.7	18.4
9 28	1 41.58	+ 6 46.7	1.308	2.271	9.2	18.1
10 8	1 33.44	+ 6 22.8	1.272	2.263	4.2	17.8
10 18	1 24.17	+ 5 56.8	1.261	2.256	1.8	17.6
10 28	1 15.12	+ 5 35.0	1.276	2.249	6.8	17.9
11 7	1 7.56	+ 5 23.2	1.315	2.243	11.6	18.2
11 17	1 2.43	+ 5 25.5	1.377	2.238	15.9	18.4

134234 2005 YF_{57} 10 16.4 252°.80 0°.4/16.0 18

9 8	1 52.88	+10 3.3	1.891	2.705	15.1	20.0
9 18	1 48.64	+ 9 43.6	1.795	2.691	11.9	19.7
9 28	1 42.03	+ 9 11.7	1.720	2.676	8.1	19.5
10 8	1 33.59	+ 8 30.3	1.671	2.661	3.7	19.2
10 18	1 24.14	+ 7 43.8	1.649	2.645	1.0	19.0
10 28	1 14.79	+ 6 57.9	1.656	2.629	5.6	19.2
11 7	1 6.59	+ 6 19.0	1.690	2.612	9.9	19.5
11 17	1 0.39	+ 5 52.0	1.749	2.595	13.8	19.7

19726 1999 XL 10 16.4 90°.39 0°.9/17.1 18

9 8	1 55.46	+11 21.1	2.180	2.976	13.9	17.5
9 18	1 50.12	+11 41.2	2.100	2.983	11.0	17.3
9 28	1 42.70	+11 52.3	2.043	2.990	7.5	17.1
10 8	1 33.77	+11 55.6	2.012	2.998	3.8	16.9
10 18	1 24.13	+11 52.6	2.009	3.005	1.0	16.7
10 28	1 14.73	+11 46.6	2.037	3.012	4.4	16.9
11 7	1 6.47	+11 41.3	2.093	3.019	8.1	17.2
11 17	1 0.02	+11 40.1	2.176	3.026	11.3	17.4

509452 2007 HF_{42} 10 16.4 241°.21 1°.2/15.3 18

9 8	1 52.09	+ 8 41.0	1.827	2.649	15.2	22.5
9 18	1 48.03	+ 8 5.4	1.737	2.639	11.9	22.2
9 28	1 41.59	+ 7 17.5	1.669	2.628	8.0	22.0
10 8	1 33.37	+ 6 21.0	1.626	2.617	3.6	21.7
10 18	1 24.20	+ 5 21.5	1.611	2.606	1.8	21.5
10 28	1 15.19	+ 4 25.8	1.624	2.594	6.1	21.8
11 7	1 7.38	+ 3 40.5	1.664	2.582	10.4	22.0
11 17	1 1.60	+ 3 10.3	1.728	2.569	14.2	22.2

487334 2014 QL_{176} 10 16.4 92°.31 2°.7/13.2 18

9 8	1 46.92	+ 3 43.4	2.341	3.170	12.1	21.5
9 18	1 43.27	+ 2 41.6	2.271	3.178	9.2	21.3
9 28	1 37.97	+ 1 33.2	2.225	3.185	6.1	21.1
10 8	1 31.53	+ 0 23.3	2.205	3.193	3.3	21.0
10 18	1 24.58	− 0 42.8	2.215	3.200	3.2	21.0
10 28	1 17.88	− 1 39.5	2.254	3.207	6.0	21.2
11 7	1 12.11	− 2 22.6	2.320	3.215	9.0	21.4
11 17	1 7.79	− 2 49.8	2.411	3.222	11.7	21.6

50681 2000 EG_{111} 10 16.4 110°.06 3°.3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 53.37	+ 0 43.1	2.123	2.949	13.2	18.8
9 18	1 48.33	+ 0 7.4	2.060	2.964	10.2	18.6
9 28	1 41.37	− 0 31.7	2.021	2.979	6.9	18.4
10 8	1 33.09	− 1 9.7	2.008	2.993	3.9	18.3
10 18	1 24.29	− 1 41.6	2.024	3.007	3.8	18.3
10 28	1 15.84	− 2 3.1	2.069	3.021	6.5	18.5
11 7	1 8.57	− 2 11.2	2.141	3.034	9.7	18.7
11 17	1 3.05	− 2 4.7	2.238	3.047	12.5	18.9

481654 2007 VS_{197} 10 16.4 274°.49 4°.4/21.3 18

9 8	1 48.20	+26 52.8	1.940	2.692	16.9	21.2
9 18	1 45.04	+26 16.8	1.842	2.684	14.2	21.0
9 28	1 39.58	+25 14.5	1.764	2.677	10.9	20.8
10 8	1 32.41	+23 45.6	1.709	2.670	7.4	20.5
10 18	1 24.40	+21 53.7	1.681	2.663	4.6	20.4
10 28	1 16.62	+19 46.2	1.682	2.656	5.3	20.4
11 7	1 10.08	+17 33.8	1.711	2.648	8.7	20.6
11 17	1 5.52	+15 27.3	1.767	2.641	12.3	20.8

225963 2002 CQ_{89} 10 16.4 127°.77 3°.4/19.8 18

9 8	1 52.44	+20 40.3	2.381	3.141	13.9	20.8
9 18	1 47.74	+20 57.9	2.296	3.148	11.4	20.6
9 28	1 41.10	+21 1.1	2.232	3.154	8.5	20.4
10 8	1 33.04	+20 49.9	2.194	3.161	5.5	20.3
10 18	1 24.30	+20 25.4	2.183	3.167	3.4	20.1
10 28	1 15.74	+19 51.0	2.201	3.173	4.5	20.2
11 7	1 8.22	+19 11.5	2.248	3.178	7.3	20.4
11 17	1 2.38	+18 32.1	2.322	3.184	10.2	20.6

32711 4132 T-2 10 16.4 79°.85 1°.4/15.0 18

9 8	1 48.65	+ 8 44.8	1.950	2.774	14.3	19.4
9 18	1 45.03	+ 7 56.9	1.874	2.778	11.1	19.2
9 28	1 39.37	+ 6 57.4	1.821	2.781	7.3	19.0
10 8	1 32.25	+ 5 50.7	1.794	2.785	3.3	18.7
10 18	1 24.46	+ 4 42.7	1.794	2.788	1.9	18.6
10 28	1 16.93	+ 3 40.1	1.824	2.792	5.7	18.9
11 7	1 10.55	+ 2 48.8	1.880	2.795	9.5	19.1
11 17	1 5.96	+ 2 12.8	1.960	2.799	12.8	19.4

237035 2008 SL_{91} 10 16.4 353°.99 0°.4/17.1 18

9 8	1 41.44	+13 1.7	4.114	4.902	8.0	20.3
9 18	1 38.43	+12 39.8	4.022	4.901	6.3	20.2
9 28	1 34.47	+12 11.1	3.954	4.900	4.3	20.0
10 8	1 29.86	+11 37.3	3.914	4.900	2.1	19.9
10 18	1 24.93	+11 0.1	3.903	4.899	0.4	19.7
10 28	1 20.10	+10 22.2	3.924	4.899	2.5	19.9
11 7	1 15.74	+ 9 46.0	3.974	4.898	4.7	20.0
11 17	1 12.17	+ 9 14.0	4.052	4.898	6.6	20.2

227195 2005 QT_{74} 10 16.4 344°.22 3°.2/13.9 18

9 8	1 40.76	+ 8 36.5	1.080	1.956	19.7	19.8
9 18	1 40.48	+ 7 20.9	1.010	1.942	15.4	19.5
9 28	1 37.17	+ 5 42.3	0.957	1.930	10.2	19.2
10 8	1 31.50	+ 3 49.4	0.926	1.919	4.9	18.9
10 18	1 24.59	+ 1 54.7	0.917	1.909	4.1	18.8
10 28	1 17.94	+ 0 13.3	0.932	1.901	9.4	19.1
11 7	1 12.99	− 1 2.4	0.968	1.895	14.9	19.3
11 17	1 10.71	− 1 45.8	1.023	1.891	19.6	19.6

261261 2005 UT_{94} 10 16.4 24°.74 2°.3/18.4 17

9 8	1 49.43	+16 43.0	1.792	2.595	16.2	21.1
9 18	1 45.93	+16 44.3	1.717	2.600	13.0	20.9
9 28	1 40.14	+16 29.4	1.663	2.607	9.3	20.7
10 8	1 32.66	+15 59.5	1.632	2.613	5.2	20.5
10 18	1 24.39	+15 17.6	1.627	2.620	2.3	20.3
10 28	1 16.40	+14 29.3	1.650	2.628	4.9	20.5
11 7	1 9.70	+13 41.2	1.700	2.636	8.8	20.8
11 17	1 5.02	+12 59.6	1.774	2.644	12.5	21.0

9536 Statler 10 16.4 161°.62 1°.4/17.5 18

9 8	1 56.05	+13 27.9	2.145	2.934	14.3	17.0
9 18	1 50.68	+13 41.9	2.061	2.938	11.4	16.8
9 28	1 43.15	+13 45.0	1.998	2.942	8.0	16.6
10 8	1 34.03	+13 37.9	1.961	2.945	4.2	16.4
10 18	1 24.12	+13 22.7	1.953	2.948	1.4	16.2
10 28	1 14.42	+13 2.9	1.975	2.950	4.5	16.4
11 7	1 5.88	+12 43.1	2.026	2.952	8.2	16.7
11 17	0 59.22	+12 27.5	2.102	2.954	11.6	16.9

279873 2001 OR_{67} 10 16.4 74°.72 20°.6/27.5 16

9 8	1 54.10	−28 8.1	1.029	1.878	22.5	19.8
9 18	1 51.01	−31 35.4	1.019	1.887	21.1	19.8
9 28	1 44.11	−34 28.0	1.025	1.895	20.6	19.8
10 8	1 34.56	−36 27.8	1.049	1.903	21.1	19.8
10 18	1 24.05	−37 24.6	1.089	1.912	22.4	20.0
10 28	1 14.52	−37 17.4	1.143	1.921	24.1	20.1
11 7	1 7.50	−36 13.7	1.209	1.929	25.7	20.3
11 17	1 3.77	−34 25.0	1.285	1.938	27.2	20.5

509283 2006 VN_{18} 10 16.4 285°.09 0°.5/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 54.46	+ 8 54.4	1.508	2.338	17.5	22.0
9 18	1 50.58	+ 8 51.8	1.415	2.320	13.9	21.7
9 28	1 43.76	+ 8 37.2	1.342	2.301	9.5	21.4
10 8	1 34.56	+ 8 13.2	1.293	2.283	4.4	21.0
10 18	1 24.00	+ 7 43.9	1.269	2.265	1.2	20.8
10 28	1 13.46	+ 7 15.6	1.272	2.246	6.6	21.1
11 7	1 4.35	+ 6 54.9	1.301	2.228	11.8	21.3
11 17	0 57.76	+ 6 46.9	1.351	2.210	16.3	21.6

71148 1999 XV_{184} 10 16.4 79°.78 7°.6/23.7 18

9 8	1 55.07	+30 51.2	1.853	2.574	18.5	18.9
9 18	1 50.56	+31 34.3	1.780	2.589	16.0	18.8
9 28	1 43.37	+31 53.4	1.726	2.604	13.1	18.6
10 8	1 34.21	+31 45.5	1.692	2.620	10.1	18.5
10 18	1 24.12	+31 10.3	1.683	2.635	8.0	18.4
10 28	1 14.39	+30 11.3	1.700	2.650	7.8	18.4
11 7	1 6.20	+28 56.6	1.743	2.665	9.7	18.6
11 17	1 0.40	+27 35.7	1.811	2.680	12.3	18.8

319250 2006 AZ_{67} 10 16.4 138°.64 0°.9/15.3 18

9 8	1 48.70	+ 8 7.5	2.722	3.529	11.2	21.7
9 18	1 44.43	+ 7 36.2	2.644	3.538	8.6	21.5
9 28	1 38.66	+ 6 57.5	2.591	3.546	5.7	21.4
10 8	1 31.86	+ 6 14.2	2.565	3.554	2.6	21.2
10 18	1 24.59	+ 5 30.0	2.568	3.562	1.3	21.1
10 28	1 17.53	+ 4 48.8	2.602	3.570	4.2	21.3
11 7	1 11.30	+ 4 14.5	2.664	3.577	7.2	21.5
11 17	1 6.38	+ 3 49.7	2.753	3.583	9.8	21.7

297195 2010 XS_{76} 10 16.4 305°.78 1°.1/14.5 18

9 8	1 41.79	+ 5 26.0	4.090	4.902	7.6	20.9
9 18	1 38.69	+ 4 57.4	4.000	4.897	5.9	20.7
9 28	1 34.66	+ 4 24.7	3.935	4.893	3.9	20.6
10 8	1 29.96	+ 3 50.2	3.899	4.888	1.8	20.4
10 18	1 24.96	+ 3 16.1	3.892	4.883	1.3	20.4
10 28	1 20.04	+ 2 45.0	3.916	4.879	3.2	20.5
11 7	1 15.58	+ 2 19.0	3.970	4.874	5.3	20.7
11 17	1 11.91	+ 2 0.0	4.050	4.870	7.1	20.8

407022 2009 SR_{37} 10 16.4 69°.79 0°.7/17.1 18

9 8	1 49.89	+13 22.4	2.164	2.965	13.8	21.1
9 18	1 45.72	+13 3.3	2.097	2.983	10.9	21.0
9 28	1 39.68	+12 32.0	2.052	3.002	7.4	20.8
10 8	1 32.36	+11 51.1	2.033	3.020	3.6	20.6
10 18	1 24.50	+11 4.4	2.042	3.038	0.8	20.4
10 28	1 16.98	+10 16.7	2.081	3.056	4.3	20.7
11 7	1 10.56	+ 9 33.4	2.147	3.075	7.8	21.0
11 17	1 5.81	+ 8 58.7	2.240	3.093	10.9	21.2

255449 2005 YJ_{30} 10 16.4 326°.04 1°.1/15.4 18

9 8	1 48.31	+ 8 2.5	1.864	2.693	14.7	20.1
9 18	1 45.03	+ 7 39.2	1.777	2.682	11.4	19.9
9 28	1 39.56	+ 7 5.5	1.712	2.672	7.7	19.6
10 8	1 32.44	+ 6 24.7	1.671	2.662	3.5	19.4
10 18	1 24.47	+ 5 41.6	1.658	2.652	1.6	19.2
10 28	1 16.65	+ 5 2.2	1.672	2.643	5.7	19.5
11 7	1 9.95	+ 4 31.8	1.713	2.634	9.8	19.7
11 17	1 5.12	+ 4 14.6	1.777	2.626	13.5	19.9

295158 2008 FF_{63} 10 16.4 282°.90 3°.4/13.8 18

9 8	1 51.12	+ 4 38.0	1.466	2.312	17.1	21.0
9 18	1 47.83	+ 3 44.9	1.385	2.300	13.3	20.7
9 28	1 41.77	+ 2 39.8	1.324	2.288	8.9	20.4
10 8	1 33.57	+ 1 29.2	1.287	2.276	4.6	20.1
10 18	1 24.25	+ 0 21.2	1.276	2.264	4.1	20.1
10 28	1 15.12	− 0 34.9	1.291	2.252	8.4	20.3
11 7	1 7.45	− 1 12.0	1.330	2.241	13.0	20.5
11 17	1 2.19	− 1 26.2	1.391	2.229	17.1	20.8

351048 2003 SQ_{240} 10 16.4 293°.54 0°.4/16.8 18

9 8	1 50.40	+12 24.5	1.743	2.561	16.0	21.7
9 18	1 46.89	+12 8.3	1.654	2.551	12.7	21.5
9 28	1 40.95	+11 37.5	1.586	2.541	8.7	21.2
10 8	1 33.15	+10 54.4	1.542	2.531	4.2	20.9
10 18	1 24.36	+10 3.3	1.525	2.521	0.8	20.7
10 28	1 15.72	+ 9 10.7	1.535	2.511	5.4	21.0
11 7	1 8.33	+ 8 23.5	1.572	2.501	9.9	21.2
11 17	1 3.03	+ 7 47.6	1.633	2.492	13.9	21.4

81034 2000 EE_{49} 10 16.4 52°.18 1°.6/17.6 18

9 8	1 55.09	+13 40.7	1.638	2.447	17.2	18.4
9 18	1 50.31	+13 55.1	1.581	2.470	13.6	18.2
9 28	1 43.02	+13 55.3	1.543	2.492	9.4	18.0
10 8	1 33.99	+13 42.9	1.530	2.515	4.9	17.8
10 18	1 24.25	+13 20.8	1.544	2.538	1.6	17.7
10 28	1 15.02	+12 54.3	1.585	2.562	5.1	18.0
11 7	1 7.35	+12 29.1	1.653	2.585	9.3	18.3
11 17	1 1.97	+12 10.5	1.745	2.609	12.9	18.6

98933 2001 CS_{7} 10 16.4 17°.64 7°.4/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 55.83	+23 49.3	1.459	2.238	20.4	18.2
9 18	1 51.86	+25 8.7	1.387	2.242	17.2	18.0
9 28	1 44.70	+26 8.1	1.333	2.247	13.6	17.8
10 8	1 35.03	+26 42.9	1.299	2.253	10.0	17.6
10 18	1 24.02	+26 50.8	1.289	2.260	7.6	17.5
10 28	1 13.25	+26 34.3	1.304	2.267	8.2	17.5
11 7	1 4.24	+26 0.7	1.344	2.275	11.1	17.7
11 17	0 58.07	+25 19.5	1.406	2.284	14.6	18.0

402788 2007 DO_{24} 10 16.4 305°.72 3°.9/20.1 17

9 8	1 51.46	+21 23.3	2.170	2.935	14.9	22.0
9 18	1 47.31	+21 45.2	2.079	2.932	12.3	21.8
9 28	1 41.03	+21 51.4	2.008	2.929	9.3	21.6
10 8	1 33.13	+21 41.2	1.962	2.927	6.2	21.4
10 18	1 24.40	+21 15.7	1.942	2.924	4.0	21.2
10 28	1 15.80	+20 38.2	1.951	2.922	5.0	21.3
11 7	1 8.27	+19 54.2	1.987	2.920	8.0	21.5
11 17	1 2.57	+19 9.7	2.050	2.917	11.1	21.7

241070 2006 SZ_{390} 10 16.4 322°.22 2°.0/18.1 18

9 8	1 48.72	+16 32.3	1.783	2.588	16.2	20.3
9 18	1 45.56	+16 24.4	1.694	2.579	13.1	20.1
9 28	1 40.05	+15 59.3	1.625	2.571	9.3	19.8
10 8	1 32.73	+15 18.3	1.580	2.563	5.1	19.6
10 18	1 24.47	+14 24.7	1.561	2.555	2.0	19.3
10 28	1 16.37	+13 24.6	1.570	2.548	5.0	19.5
11 7	1 9.48	+12 25.4	1.605	2.541	9.3	19.8
11 17	1 4.63	+11 34.1	1.665	2.534	13.2	20.0

509243 2006 TV_{104} 10 16.4 301°.12 4°.2/14.2 18

9 8	1 56.68	+ 0 16.5	1.382	2.229	17.9	21.8
9 18	1 52.52	+ 0 6.0	1.296	2.210	14.2	21.5
9 28	1 45.19	− 0 8.3	1.229	2.192	9.8	21.2
10 8	1 35.30	− 0 21.0	1.186	2.173	5.4	20.9
10 18	1 23.96	− 0 25.9	1.168	2.155	4.7	20.8
10 28	1 12.70	− 0 17.1	1.175	2.138	8.9	21.0
11 7	1 3.04	+ 0 9.2	1.207	2.120	13.8	21.2
11 17	0 56.12	+ 0 54.0	1.260	2.103	18.2	21.5

281810 2009 WG_{133} 10 16.4 287°.86 1°.0/17.2 18

9 8	1 50.71	+14 10.0	1.586	2.404	17.3	21.6
9 18	1 47.56	+13 53.0	1.488	2.383	13.9	21.3
9 28	1 41.69	+13 17.9	1.410	2.363	9.7	21.0
10 8	1 33.63	+12 26.2	1.355	2.342	4.9	20.7
10 18	1 24.30	+11 22.3	1.326	2.322	1.1	20.4
10 28	1 14.99	+10 13.5	1.324	2.301	5.9	20.7
11 7	1 6.99	+ 9 8.9	1.348	2.280	10.9	20.9
11 17	1 1.32	+ 8 16.5	1.394	2.260	15.5	21.1

380725 2005 QN_{158} 10 16.4 52°.48 3°.0/14.4 16

9 8	1 53.25	+ 5 17.7	1.286	2.137	18.8	21.0
9 18	1 49.34	+ 4 34.6	1.238	2.155	14.4	20.7
9 28	1 42.57	+ 3 41.0	1.209	2.174	9.5	20.5
10 8	1 33.82	+ 2 43.9	1.203	2.193	4.6	20.3
10 18	1 24.32	+ 1 51.1	1.222	2.213	3.6	20.3
10 28	1 15.47	+ 1 10.8	1.267	2.233	7.9	20.6
11 7	1 8.46	+ 0 48.4	1.336	2.253	12.4	20.9
11 17	1 4.03	+ 0 46.2	1.426	2.274	16.3	21.2

324854 2007 LD_{27} 10 16.4 86°.90 3°.3/12.3 18

9 8	1 46.57	+ 2 11.7	2.381	3.213	11.8	21.2
9 18	1 42.97	+ 0 54.5	2.317	3.225	9.0	21.1
9 28	1 37.78	− 0 28.3	2.277	3.237	6.1	20.9
10 8	1 31.50	− 1 51.0	2.264	3.248	3.7	20.8
10 18	1 24.75	− 3 7.8	2.281	3.260	3.9	20.8
10 28	1 18.27	− 4 13.0	2.327	3.272	6.4	21.0
11 7	1 12.70	− 5 2.4	2.400	3.283	9.2	21.2
11 17	1 8.55	− 5 34.0	2.498	3.294	11.7	21.4

432809 2011 GU_{56} 10 16.4 37°.17 7°.7/11.6 18

9 8	1 52.72	− 5 27.2	1.216	2.082	18.6	19.9
9 18	1 48.95	− 6 31.4	1.179	2.101	14.6	19.7
9 28	1 42.27	− 7 33.5	1.162	2.121	10.6	19.5
10 8	1 33.65	− 8 23.4	1.168	2.142	7.9	19.5
10 18	1 24.37	− 8 52.6	1.197	2.164	8.4	19.5
10 28	1 15.85	− 8 55.6	1.249	2.187	11.4	19.8
11 7	1 9.25	− 8 31.7	1.324	2.211	14.9	20.1
11 17	1 5.25	− 7 43.6	1.419	2.234	18.1	20.3

202616 2006 HC_{65} 10 16.4 7°.14 1°.6/15.2 18

9 8	1 50.46	+ 7 31.1	1.606	2.442	16.3	20.5
9 18	1 46.94	+ 7 1.3	1.533	2.442	12.7	20.3
9 28	1 40.95	+ 6 20.0	1.481	2.443	8.5	20.1
10 8	1 33.13	+ 5 31.8	1.453	2.444	3.9	19.8
10 18	1 24.44	+ 4 42.6	1.451	2.445	2.1	19.7
10 28	1 16.04	+ 3 59.3	1.476	2.446	6.5	20.0
11 7	1 9.04	+ 3 28.0	1.527	2.448	10.9	20.2
11 17	1 4.21	+ 3 12.6	1.601	2.450	14.7	20.5

80180 Elko 10 16.4 348°.47 3°.8/13.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 46.69	+ 5 56.3	1.182	2.047	19.1	18.7
9 18	1 44.83	+ 4 47.7	1.115	2.042	14.8	18.4
9 28	1 39.95	+ 3 23.1	1.068	2.037	9.9	18.1
10 8	1 32.79	+ 1 50.7	1.042	2.033	5.0	17.9
10 18	1 24.50	+ 0 21.7	1.040	2.030	4.6	17.8
10 28	1 16.55	− 0 51.8	1.063	2.027	9.3	18.1
11 7	1 10.33	− 1 41.1	1.108	2.026	14.3	18.4
11 17	1 6.75	− 2 2.0	1.172	2.026	18.7	18.6

253554 2003 SJ_{254} 10 16.4 82°.61 0°.1/16.5 17

9 8	1 58.10	+10 2.4	1.385	2.211	19.0	20.5
9 18	1 53.18	+10 5.9	1.323	2.224	14.9	20.3
9 28	1 45.24	+ 9 56.4	1.281	2.238	10.1	20.0
10 8	1 35.13	+ 9 36.3	1.261	2.251	4.7	19.8
10 18	1 24.07	+ 9 10.2	1.268	2.264	0.9	19.5
10 28	1 13.54	+ 8 44.3	1.301	2.277	6.3	19.9
11 7	1 4.86	+ 8 24.9	1.360	2.290	11.2	20.3
11 17	0 58.90	+ 8 16.8	1.442	2.302	15.4	20.6

189509 2000 DZ_{20} 10 16.4 335°.89 4°.9/21.2 18

9 8	1 50.93	+24 24.0	2.248	2.996	14.9	19.6
9 18	1 46.90	+24 53.9	2.156	2.994	12.5	19.4
9 28	1 40.76	+25 7.3	2.084	2.991	9.8	19.2
10 8	1 33.03	+25 2.8	2.035	2.989	7.0	19.0
10 18	1 24.45	+24 40.7	2.013	2.986	5.0	18.9
10 28	1 15.99	+24 4.0	2.019	2.984	5.5	18.9
11 7	1 8.59	+23 17.9	2.053	2.982	8.0	19.1
11 17	1 2.97	+22 28.6	2.112	2.980	10.8	19.3

474649 2004 XK_{93} 10 16.4 53°.23 5°.5/21.3 18

9 8	1 51.76	+24 56.0	1.703	2.470	18.3	20.6
9 18	1 48.11	+25 14.2	1.625	2.475	15.4	20.4
9 28	1 41.82	+25 9.6	1.566	2.481	11.9	20.2
10 8	1 33.57	+24 40.9	1.528	2.487	8.3	20.0
10 18	1 24.36	+23 49.4	1.515	2.493	5.7	19.8
10 28	1 15.44	+22 40.5	1.529	2.499	6.3	19.9
11 7	1 8.00	+21 23.0	1.569	2.505	9.4	20.1
11 17	1 2.87	+20 6.2	1.634	2.511	12.9	20.3

252811 2002 GQ_{20} 10 16.4 112°.53 0°.4/16.2 18

9 8	2 0.83	+ 8 6.5	1.553	2.370	17.7	20.6
9 18	1 55.01	+ 8 15.9	1.486	2.383	13.8	20.3
9 28	1 46.35	+ 8 15.6	1.440	2.395	9.3	20.1
10 8	1 35.63	+ 8 7.9	1.418	2.407	4.3	19.8
10 18	1 23.99	+ 7 56.5	1.423	2.419	1.1	19.6
10 28	1 12.83	+ 7 46.2	1.457	2.430	6.1	20.0
11 7	1 3.40	+ 7 41.8	1.518	2.441	10.7	20.3
11 17	0 56.54	+ 7 46.9	1.602	2.452	14.6	20.6

223415 2003 SF_{197} 10 16.4 254°.39 0°.3/16.8 18

9 8	1 46.88	+13 43.2	2.490	3.287	12.3	20.1
9 18	1 43.37	+13 4.4	2.394	3.279	9.7	19.9
9 28	1 38.18	+12 12.9	2.321	3.270	6.7	19.7
10 8	1 31.76	+11 11.1	2.274	3.261	3.2	19.5
10 18	1 24.73	+10 3.0	2.257	3.253	0.6	19.2
10 28	1 17.82	+ 8 53.9	2.269	3.243	4.1	19.5
11 7	1 11.76	+ 7 49.4	2.310	3.234	7.5	19.7
11 17	1 7.12	+ 6 54.2	2.378	3.225	10.6	19.9

318522 2005 ED_{203} 10 16.4 113°.80 0°.5/16.0 17

9 8	1 56.70	+10 4.9	1.659	2.474	16.8	21.7
9 18	1 51.54	+ 9 41.2	1.595	2.491	13.1	21.5
9 28	1 43.87	+ 9 4.7	1.552	2.508	8.7	21.2
10 8	1 34.42	+ 8 19.2	1.534	2.523	4.0	21.0
10 18	1 24.24	+ 7 30.0	1.543	2.539	1.1	20.8
10 28	1 14.53	+ 6 43.6	1.581	2.554	5.8	21.2
11 7	1 6.38	+ 6 6.3	1.646	2.568	10.1	21.5
11 17	1 0.52	+ 5 42.4	1.734	2.581	13.9	21.7

239935 2000 YW_{36} 10 16.4 313°.57 0°.1/16.5 18

9 8	1 47.71	+12 17.0	1.489	2.323	17.5	19.8
9 18	1 45.34	+11 52.2	1.395	2.301	13.9	19.5
9 28	1 40.26	+11 9.4	1.320	2.280	9.6	19.2
10 8	1 32.99	+10 11.2	1.269	2.259	4.6	18.9
10 18	1 24.47	+ 9 3.0	1.242	2.238	0.8	18.6
10 28	1 15.99	+ 7 53.4	1.241	2.218	6.3	18.9
11 7	1 8.84	+ 6 51.6	1.266	2.199	11.5	19.1
11 17	1 4.04	+ 6 5.2	1.312	2.180	16.1	19.4

451612 2012 DJ_{51} 10 16.4 190°.94 0°.9/15.4 18

9 8	1 48.89	+ 8 7.5	2.654	3.462	11.4	22.5
9 18	1 44.71	+ 7 37.4	2.567	3.461	8.8	22.3
9 28	1 38.97	+ 6 59.5	2.504	3.460	5.9	22.2
10 8	1 32.09	+ 6 16.7	2.468	3.458	2.7	21.9
10 18	1 24.68	+ 5 32.4	2.462	3.456	1.3	21.8
10 28	1 17.42	+ 4 51.1	2.486	3.454	4.4	22.1
11 7	1 10.98	+ 4 16.4	2.538	3.451	7.5	22.3
11 17	1 5.90	+ 3 51.6	2.617	3.449	10.2	22.4

225735 2001 RA_{150} 10 16.4 46°.45 2°.0/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 54.01	+ 6 46.4	1.222	2.072	19.6	20.4
9 18	1 50.06	+ 6 19.3	1.176	2.093	15.1	20.2
9 28	1 43.11	+ 5 40.4	1.149	2.114	10.0	20.0
10 8	1 34.10	+ 4 55.7	1.145	2.136	4.6	19.7
10 18	1 24.33	+ 4 12.3	1.165	2.158	2.6	19.7
10 28	1 15.28	+ 3 38.0	1.210	2.181	7.4	20.0
11 7	1 8.18	+ 3 18.7	1.280	2.205	12.2	20.4
11 17	1 3.77	+ 3 17.2	1.371	2.228	16.2	20.7

187379 2005 UB_{368} 10 16.4 149°.81 2°.0/14.3 18

9 8	1 50.47	+ 4 12.9	2.504	3.321	11.7	21.0
9 18	1 45.96	+ 3 40.6	2.427	3.327	9.0	20.8
9 28	1 39.79	+ 3 2.9	2.375	3.333	6.0	20.7
10 8	1 32.47	+ 2 23.1	2.350	3.338	3.0	20.5
10 18	1 24.63	+ 1 45.4	2.354	3.343	2.4	20.4
10 28	1 17.01	+ 1 13.8	2.388	3.348	5.2	20.6
11 7	1 10.30	+ 0 51.9	2.450	3.353	8.2	20.8
11 17	1 5.05	+ 0 41.8	2.538	3.357	10.9	21.0

331573 2001 QL_{197} 10 16.4 22°.45 8°.5/24.3 18

9 8	1 46.99	+31 36.9	1.288	2.054	23.2	19.4
9 18	1 45.27	+31 53.5	1.221	2.061	20.0	19.2
9 28	1 40.35	+31 34.6	1.169	2.069	16.3	19.0
10 8	1 33.01	+30 36.8	1.135	2.078	12.3	18.8
10 18	1 24.53	+29 1.7	1.122	2.088	9.2	18.7
10 28	1 16.53	+26 57.7	1.134	2.099	8.7	18.7
11 7	1 10.44	+24 39.6	1.169	2.111	11.2	18.9
11 17	1 7.19	+22 23.1	1.227	2.123	14.9	19.1

192630 1999 LL 10 16.4 48°.92 5°.3/21.8 18

9 8	1 49.28	+27 39.4	1.457	2.229	20.7	19.5
9 18	1 46.35	+27 11.5	1.396	2.248	17.3	19.3
9 28	1 40.63	+26 12.1	1.351	2.268	13.2	19.1
10 8	1 32.98	+24 42.0	1.327	2.289	9.0	18.9
10 18	1 24.55	+22 46.5	1.328	2.309	5.7	18.8
10 28	1 16.71	+20 36.1	1.356	2.331	6.2	18.9
11 7	1 10.60	+18 24.2	1.410	2.352	9.7	19.1
11 17	1 6.94	+16 22.9	1.489	2.374	13.5	19.4

379662 2011 EW_{66} 10 16.4 267°.50 1°.3/15.3 18

9 8	1 50.51	+ 9 57.7	1.613	2.442	16.6	21.5
9 18	1 47.18	+ 9 9.5	1.524	2.430	13.0	21.2
9 28	1 41.28	+ 8 5.0	1.457	2.417	8.7	20.9
10 8	1 33.39	+ 6 48.8	1.414	2.405	4.0	20.6
10 18	1 24.45	+ 5 27.6	1.397	2.392	1.9	20.4
10 28	1 15.65	+ 4 10.6	1.408	2.379	6.6	20.7
11 7	1 8.19	+ 3 6.1	1.445	2.366	11.4	21.0
11 17	1 2.94	+ 2 20.4	1.504	2.352	15.5	21.2

152434 2005 UV_{438} 10 16.4 354°.34 3°.2/14.0 18

9 8	1 52.92	+ 0 51.4	1.895	2.728	14.3	19.5
9 18	1 48.47	+ 0 37.5	1.819	2.726	11.1	19.3
9 28	1 41.80	+ 0 20.3	1.765	2.725	7.5	19.1
10 8	1 33.52	+ 0 3.9	1.736	2.723	4.1	18.8
10 18	1 24.48	− 0 7.2	1.736	2.723	3.6	18.8
10 28	1 15.68	− 0 8.7	1.763	2.722	6.8	19.0
11 7	1 8.11	+ 0 2.2	1.817	2.722	10.4	19.2
11 17	1 2.47	+ 0 26.8	1.894	2.722	13.7	19.4

441109 2007 TV_{9} 10 16.4 31°.77 2°.3/14.3 15

9 8	1 45.05	+11 5.3	1.264	2.117	18.9	20.6
9 18	1 43.08	+ 9 22.4	1.215	2.134	14.5	20.4
9 28	1 38.44	+ 7 19.4	1.186	2.153	9.4	20.2
10 8	1 31.97	+ 5 6.2	1.180	2.172	4.3	19.9
10 18	1 24.79	+ 2 55.3	1.201	2.193	3.1	19.9
10 28	1 18.17	+ 1 0.0	1.247	2.214	7.8	20.3
11 7	1 13.20	− 0 30.2	1.318	2.237	12.4	20.6
11 17	1 10.52	− 1 30.8	1.410	2.259	16.3	20.9

279241 2009 VD_{8} 10 16.4 314°.31 2°.9/19.4 17

9 8	1 46.32	+20 19.4	2.070	2.853	15.0	20.6
9 18	1 43.51	+20 5.6	1.966	2.835	12.3	20.4
9 28	1 38.61	+19 33.4	1.883	2.817	9.1	20.1
10 8	1 32.12	+18 43.1	1.824	2.799	5.6	19.9
10 18	1 24.74	+17 37.4	1.792	2.782	2.9	19.7
10 28	1 17.44	+16 21.7	1.788	2.764	4.7	19.8
11 7	1 11.14	+15 3.4	1.811	2.748	8.3	20.0
11 17	1 6.59	+13 49.9	1.860	2.732	11.9	20.1

245078 2004 JU_{36} 10 16.4 96°.72 0°.5/16.9 18

9 8	1 50.72	+13 35.7	2.207	3.005	13.7	21.7
9 18	1 46.36	+13 5.4	2.138	3.023	10.8	21.5
9 28	1 40.14	+12 22.4	2.092	3.041	7.3	21.4
10 8	1 32.67	+11 29.8	2.072	3.059	3.5	21.1
10 18	1 24.67	+10 31.5	2.081	3.077	0.6	20.9
10 28	1 17.00	+ 9 33.0	2.119	3.094	4.3	21.3
11 7	1 10.42	+ 8 39.9	2.186	3.111	7.8	21.5
11 17	1 5.51	+ 7 56.5	2.279	3.128	10.9	21.7

84471 2002 TD_{260} 10 16.4 354°.74 1°.7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 52.35	+ 5 49.4	1.791	2.620	15.2	19.4
9 18	1 48.19	+ 5 34.1	1.714	2.619	11.8	19.2
9 28	1 41.71	+ 5 10.9	1.658	2.619	7.9	18.9
10 8	1 33.52	+ 4 43.2	1.628	2.618	3.7	18.7
10 18	1 24.50	+ 4 15.8	1.624	2.618	2.1	18.6
10 28	1 15.72	+ 3 53.7	1.649	2.617	6.1	18.9
11 7	1 8.22	+ 3 41.7	1.700	2.617	10.2	19.1
11 17	1 2.75	+ 3 42.6	1.774	2.618	13.8	19.3

192479 1998 FO_{138} 10 16.4 172°.82 0°.6/15.8 18

9 8	1 51.42	+10 52.0	2.200	3.006	13.5	21.4
9 18	1 47.01	+10 6.7	2.117	3.009	10.5	21.2
9 28	1 40.68	+ 9 9.2	2.057	3.011	7.0	21.0
10 8	1 32.97	+ 8 3.2	2.024	3.013	3.2	20.7
10 18	1 24.61	+ 6 53.6	2.020	3.015	1.1	20.6
10 28	1 16.48	+ 5 46.4	2.045	3.016	4.9	20.9
11 7	1 9.41	+ 4 47.6	2.099	3.016	8.6	21.1
11 17	1 4.01	+ 4 1.6	2.179	3.016	11.8	21.3

312127 2007 TO_{246} 10 16.4 349°.98 6°.7/19.4 18

9 8	1 53.27	+17 55.1	1.216	2.038	21.3	19.4
9 18	1 50.57	+19 36.1	1.137	2.025	17.8	19.1
9 28	1 44.35	+21 3.9	1.075	2.014	13.6	18.9
10 8	1 35.15	+22 13.4	1.034	2.005	9.4	18.6
10 18	1 24.14	+23 0.2	1.015	1.998	6.7	18.4
10 28	1 13.12	+23 24.5	1.021	1.992	8.4	18.5
11 7	1 3.90	+23 31.4	1.049	1.988	12.5	18.7
11 17	0 57.86	+23 29.1	1.098	1.987	16.8	19.0

93754 2000 WZ_{6} 10 16.4 165°.89 1°.2/15.3 18

9 8	1 52.25	+ 6 2.6	2.280	3.094	12.8	19.2
9 18	1 47.59	+ 5 51.6	2.198	3.095	9.9	19.0
9 28	1 41.04	+ 5 34.2	2.139	3.096	6.6	18.8
10 8	1 33.13	+ 5 13.2	2.107	3.097	3.1	18.6
10 18	1 24.58	+ 4 52.0	2.104	3.098	1.6	18.5
10 28	1 16.23	+ 4 34.5	2.130	3.098	5.0	18.7
11 7	1 8.88	+ 4 24.1	2.185	3.099	8.4	18.9
11 17	1 3.17	+ 4 23.5	2.265	3.099	11.5	19.1

342040 2008 RT_{116} 10 16.4 288°.90 0°.5/16.9 18

9 8	1 50.07	+13 27.1	1.760	2.574	16.0	20.5
9 18	1 46.84	+13 1.8	1.654	2.549	12.8	20.3
9 28	1 41.12	+12 19.7	1.570	2.523	8.9	20.0
10 8	1 33.40	+11 22.5	1.509	2.497	4.4	19.7
10 18	1 24.50	+10 14.8	1.476	2.472	0.8	19.3
10 28	1 15.57	+ 9 3.5	1.469	2.446	5.6	19.6
11 7	1 7.79	+ 7 57.1	1.490	2.419	10.4	19.8
11 17	1 2.09	+ 7 2.8	1.534	2.393	14.7	20.0

295128 2008 FU_{26} 10 16.4 111°.82 0°.5/16.8 16

9 8	1 55.02	+13 18.0	1.761	2.566	16.4	21.9
9 18	1 50.16	+12 51.0	1.695	2.584	12.9	21.7
9 28	1 42.92	+12 8.9	1.650	2.601	8.7	21.5
10 8	1 34.02	+11 14.9	1.630	2.618	4.2	21.2
10 18	1 24.43	+10 14.0	1.638	2.634	0.7	21.0
10 28	1 15.29	+ 9 13.2	1.674	2.650	5.2	21.4
11 7	1 7.59	+ 8 19.2	1.738	2.665	9.4	21.7
11 17	1 2.04	+ 7 37.3	1.827	2.679	13.0	21.9

278331 2007 HY_{68} 10 16.4 90°.87 3°.6/12.9 16

9 8	1 51.15	+ 4 38.3	1.750	2.586	15.2	20.6
9 18	1 47.02	+ 3 9.7	1.696	2.606	11.6	20.4
9 28	1 40.72	+ 1 31.8	1.664	2.626	7.7	20.3
10 8	1 32.96	− 0 7.7	1.659	2.646	4.2	20.1
10 18	1 24.64	− 1 40.2	1.682	2.665	4.2	20.1
10 28	1 16.78	− 2 57.7	1.733	2.685	7.5	20.4
11 7	1 10.28	− 3 54.7	1.810	2.704	11.1	20.6
11 17	1 5.74	− 4 28.9	1.910	2.722	14.2	20.9

570 Kythera 10 16.4 357°.65 0°.3/16.7 18

9 8	1 46.70	+12 14.5	2.207	3.017	13.3	13.7
9 18	1 43.42	+11 53.9	2.123	3.016	10.5	13.5
9 28	1 38.32	+11 21.7	2.062	3.015	7.1	13.3
10 8	1 31.89	+10 40.3	2.026	3.014	3.4	13.1
10 18	1 24.82	+ 9 53.5	2.017	3.013	0.6	12.8
10 28	1 17.93	+ 9 6.2	2.038	3.013	4.4	13.1
11 7	1 12.00	+ 8 23.6	2.086	3.014	8.0	13.4
11 17	1 7.64	+ 7 50.0	2.160	3.015	11.2	13.6

178405 1998 QJ_{23} 10 16.4 72°.66 2°.2/17.9 18

9 8	1 58.71	+15 28.7	1.430	2.237	19.4	19.7
9 18	1 53.45	+15 36.7	1.378	2.264	15.4	19.5
9 28	1 45.29	+15 26.7	1.345	2.291	10.8	19.3
10 8	1 35.14	+15 0.3	1.334	2.318	5.8	19.1
10 18	1 24.24	+14 21.3	1.350	2.344	2.2	19.0
10 28	1 14.02	+13 36.7	1.393	2.370	5.7	19.2
11 7	1 5.69	+12 54.2	1.462	2.396	10.2	19.6
11 17	1 0.03	+12 20.3	1.555	2.421	14.1	19.9

143894 2003 YT_{45} 10 16.4 322°.59 2°.0/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 54.78	+13 19.2	1.335	2.161	19.6	19.6
9 18	1 51.18	+13 44.6	1.254	2.153	15.7	19.3
9 28	1 44.37	+13 54.9	1.193	2.146	11.1	19.0
10 8	1 35.00	+13 50.3	1.153	2.139	5.9	18.7
10 18	1 24.22	+13 32.9	1.138	2.133	2.0	18.5
10 28	1 13.61	+13 8.3	1.148	2.127	6.4	18.7
11 7	1 4.72	+12 43.8	1.183	2.121	11.6	19.0
11 17	0 58.65	+12 26.5	1.240	2.116	16.3	19.3

11932 1993 EP 10 16.4 231°.51 4°.8/20.3 18

9 8	1 56.08	+22 29.8	2.081	2.834	15.8	18.2
9 18	1 51.19	+23 7.0	1.982	2.826	13.2	18.0
9 28	1 43.86	+23 28.4	1.904	2.818	10.2	17.8
10 8	1 34.62	+23 32.0	1.850	2.810	7.0	17.6
10 18	1 24.29	+23 17.6	1.823	2.801	4.9	17.5
10 28	1 14.01	+22 47.7	1.824	2.791	5.8	17.5
11 7	1 4.89	+22 7.8	1.853	2.782	8.7	17.7
11 17	0 57.80	+21 24.8	1.908	2.772	12.0	17.8

154073 2002 CH_{208} 10 16.4 54°.41 6°.7/ 9.5 18

9 8	1 48.74	− 5 46.7	1.833	2.681	14.1	19.1
9 18	1 44.99	− 7 30.3	1.797	2.708	11.0	18.9
9 28	1 39.26	− 9 12.3	1.784	2.734	8.2	18.8
10 8	1 32.25	−10 43.9	1.797	2.761	6.8	18.8
10 18	1 24.78	−11 57.4	1.837	2.788	7.6	18.9
10 28	1 17.79	−12 47.1	1.904	2.815	9.8	19.1
11 7	1 12.07	−13 11.2	1.994	2.842	12.4	19.3
11 17	1 8.15	−13 10.5	2.106	2.869	14.7	19.5

227003 2004 XF_{89} 10 16.4 63°.48 1°.6/14.9 18

9 8	1 50.89	+ 5 2.1	2.263	3.083	12.7	20.3
9 18	1 46.52	+ 4 45.2	2.185	3.086	9.8	20.1
9 28	1 40.31	+ 4 22.3	2.131	3.089	6.5	19.9
10 8	1 32.79	+ 3 56.6	2.103	3.092	3.1	19.7
10 18	1 24.67	+ 3 31.9	2.104	3.096	2.0	19.6
10 28	1 16.76	+ 3 12.2	2.133	3.099	5.2	19.8
11 7	1 9.86	+ 3 1.0	2.191	3.103	8.6	20.0
11 17	1 4.56	+ 3 0.6	2.274	3.106	11.5	20.3

342138 2008 SY_{127} 10 16.4 182°.27 1°.2/17.3 18

9 8	1 58.55	+11 43.0	1.862	2.661	15.8	20.3
9 18	1 53.07	+12 8.4	1.777	2.661	12.6	20.1
9 28	1 45.06	+12 23.7	1.714	2.661	8.7	19.9
10 8	1 35.13	+12 29.5	1.675	2.661	4.5	19.6
10 18	1 24.22	+12 27.4	1.666	2.661	1.3	19.4
10 28	1 13.50	+12 20.8	1.685	2.660	5.1	19.7
11 7	1 4.12	+12 14.2	1.732	2.660	9.3	19.9
11 17	0 56.92	+12 12.1	1.804	2.659	13.0	20.2

310227 2011 SE_{232} 10 16.4 152°.80 2°.5/18.9 18

9 8	1 54.03	+18 20.2	2.283	3.053	14.1	21.4
9 18	1 49.06	+18 22.6	2.199	3.061	11.4	21.2
9 28	1 42.08	+18 10.8	2.136	3.068	8.3	21.1
10 8	1 33.64	+17 45.3	2.099	3.074	4.9	20.9
10 18	1 24.51	+17 8.3	2.090	3.080	2.5	20.7
10 28	1 15.60	+16 23.8	2.111	3.086	4.3	20.9
11 7	1 7.79	+15 37.4	2.161	3.091	7.6	21.1
11 17	1 1.73	+14 54.3	2.238	3.096	10.7	21.3

319987 2007 CY_{79} 10 16.4 198°.67 1°.3/15.1 18

9 8	1 48.99	+ 7 19.9	2.244	3.064	12.8	21.0
9 18	1 45.11	+ 6 46.4	2.163	3.063	9.9	20.9
9 28	1 39.41	+ 6 4.2	2.104	3.063	6.6	20.6
10 8	1 32.39	+ 5 16.9	2.072	3.062	3.0	20.4
10 18	1 24.75	+ 4 28.9	2.069	3.062	1.8	20.3
10 28	1 17.30	+ 3 45.4	2.094	3.061	5.1	20.6
11 7	1 10.82	+ 3 10.9	2.147	3.061	8.6	20.8
11 17	1 5.92	+ 2 48.7	2.225	3.060	11.7	21.0

413283 2003 UX_{108} 10 16.4 351°.64 1°.9/18.5 17

9 8	1 45.74	+18 39.8	2.094	2.885	14.6	20.9
9 18	1 42.85	+18 5.7	2.006	2.882	11.7	20.7
9 28	1 38.03	+17 13.7	1.939	2.880	8.4	20.5
10 8	1 31.79	+16 5.7	1.897	2.878	4.7	20.3
10 18	1 24.86	+14 45.8	1.883	2.876	1.9	20.1
10 28	1 18.13	+13 20.6	1.897	2.875	4.3	20.3
11 7	1 12.43	+11 57.4	1.940	2.874	8.0	20.5
11 17	1 8.41	+10 43.0	2.008	2.874	11.4	20.7

247872 2003 UH_{135} 10 16.4 267°.68 0°.5/15.9 18

9 8	1 46.56	+11 12.6	2.390	3.199	12.5	20.7
9 18	1 43.16	+10 25.7	2.302	3.196	9.7	20.5
9 28	1 38.07	+ 9 27.2	2.238	3.193	6.5	20.3
10 8	1 31.76	+ 8 20.3	2.200	3.190	3.0	20.0
10 18	1 24.87	+ 7 9.6	2.191	3.187	0.9	19.9
10 28	1 18.14	+ 6 0.9	2.212	3.184	4.5	20.1
11 7	1 12.30	+ 4 59.7	2.262	3.181	7.9	20.3
11 17	1 7.90	+ 4 10.2	2.337	3.178	11.0	20.5

6406 Mikejura 10 16.4 17°.85 7°.1/11.4 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 45.84	+ 0 30.1	0.993	1.878	20.3	15.8
9 18	1 44.42	− 1 8.2	0.947	1.884	15.7	15.5
9 28	1 39.74	− 2 55.7	0.920	1.891	10.9	15.3
10 8	1 32.72	− 4 39.0	0.914	1.899	7.4	15.1
10 18	1 24.70	− 6 4.1	0.930	1.909	8.2	15.2
10 28	1 17.30	− 6 59.6	0.969	1.919	12.1	15.5
11 7	1 11.87	− 7 20.1	1.027	1.931	16.5	15.8
11 17	1 9.24	− 7 6.6	1.103	1.945	20.4	16.1

241157 2007 RV_{77} 10 16.4 301°.43 4°.5/12.1 18

9 8	1 47.07	+ 3 1.5	1.666	2.515	15.2	20.3
9 18	1 44.35	+ 1 32.9	1.584	2.502	11.8	20.0
9 28	1 39.29	− 0 7.4	1.525	2.489	8.0	19.8
10 8	1 32.47	− 1 51.6	1.491	2.477	4.9	19.6
10 18	1 24.74	− 3 30.0	1.484	2.465	5.3	19.6
10 28	1 17.18	− 4 53.0	1.504	2.452	8.8	19.7
11 7	1 10.85	− 5 53.2	1.548	2.441	12.7	19.9
11 17	1 6.52	− 6 27.2	1.615	2.429	16.3	20.1

7037 Davidlean 10 16.4 171°.24 4°.2/21.7 18

9 8	1 49.97	+26 4.0	2.702	3.429	13.2	17.5
9 18	1 45.75	+26 9.3	2.608	3.431	11.0	17.3
9 28	1 39.80	+25 58.4	2.534	3.433	8.6	17.2
10 8	1 32.57	+25 30.8	2.486	3.434	6.2	17.0
10 18	1 24.73	+24 47.7	2.464	3.435	4.4	16.9
10 28	1 17.03	+23 52.2	2.472	3.436	4.7	17.0
11 7	1 10.24	+22 49.5	2.509	3.437	6.8	17.1
11 17	1 4.94	+21 45.2	2.573	3.437	9.3	17.2

72175 2000 YD_{110} 10 16.4 170°.44 0°.8/15.7 18

9 8	1 53.05	+ 8 53.4	2.111	2.921	13.9	20.0
9 18	1 48.37	+ 8 29.4	2.029	2.924	10.8	19.8
9 28	1 41.66	+ 7 55.6	1.971	2.926	7.2	19.6
10 8	1 33.46	+ 7 15.1	1.938	2.928	3.3	19.4
10 18	1 24.56	+ 6 32.0	1.935	2.930	1.2	19.2
10 28	1 15.90	+ 5 51.6	1.960	2.931	5.1	19.5
11 7	1 8.35	+ 5 18.6	2.014	2.931	8.8	19.8
11 17	1 2.58	+ 4 56.9	2.093	2.932	12.1	20.0

16159 2000 AK_{62} 10 16.4 245°.44 5°.1/22.1 18

9 8	1 51.01	+27 4.3	2.526	3.251	14.0	18.4
9 18	1 46.82	+27 29.9	2.427	3.245	11.9	18.2
9 28	1 40.67	+27 39.0	2.349	3.240	9.5	18.0
10 8	1 33.05	+27 30.2	2.293	3.235	7.1	17.9
10 18	1 24.64	+27 3.4	2.265	3.229	5.3	17.8
10 28	1 16.31	+26 21.3	2.265	3.223	5.5	17.8
11 7	1 8.93	+25 28.7	2.293	3.218	7.5	17.9
11 17	1 3.17	+24 31.6	2.347	3.212	10.0	18.0

96727 1999 LK_{31} 10 16.4 47°.06 17°.5/ 1.1 18

9 8	1 50.48	−22 35.7	1.080	1.942	20.7	17.8
9 18	1 47.69	−25 56.3	1.076	1.965	18.6	17.8
9 28	1 41.63	−28 46.4	1.092	1.988	17.5	17.8
10 8	1 33.44	−30 49.9	1.127	2.012	17.7	17.9
10 18	1 24.61	−31 57.5	1.181	2.036	19.0	18.1
10 28	1 16.73	−32 8.5	1.251	2.061	20.6	18.3
11 7	1 11.01	−31 29.5	1.337	2.087	22.4	18.5
11 17	1 8.08	−30 10.3	1.434	2.112	23.9	18.7

273648 2007 DN_{74} 10 16.4 236°.31 1°.0/15.6 18

9 8	1 52.28	+ 9 27.6	1.789	2.610	15.5	21.9
9 18	1 48.28	+ 8 51.8	1.701	2.602	12.2	21.7
9 28	1 41.89	+ 8 2.7	1.635	2.593	8.2	21.4
10 8	1 33.68	+ 7 4.2	1.593	2.584	3.7	21.1
10 18	1 24.52	+ 6 1.8	1.579	2.574	1.5	20.9
10 28	1 15.53	+ 5 2.6	1.594	2.564	6.0	21.2
11 7	1 7.79	+ 4 13.5	1.635	2.554	10.4	21.5
11 17	1 2.10	+ 3 39.4	1.699	2.544	14.2	21.7

268852 2006 XT_{28} 10 16.4 287°.02 3°.9/13.6 18

9 8	1 52.20	+ 2 51.8	1.487	2.333	16.9	21.0
9 18	1 48.71	+ 2 6.2	1.404	2.320	13.2	20.7
9 28	1 42.45	+ 1 11.2	1.342	2.306	9.0	20.5
10 8	1 34.03	+ 0 13.2	1.304	2.292	4.9	20.2
10 18	1 24.45	− 0 40.2	1.292	2.279	4.5	20.1
10 28	1 15.04	− 1 20.6	1.306	2.265	8.6	20.3
11 7	1 7.08	− 1 41.9	1.344	2.252	13.1	20.6
11 17	1 1.51	− 1 41.1	1.403	2.239	17.1	20.8

3541 Graham 10 16.4 150°.90 2°.1/14.6 18

9 8	1 53.96	+ 5 43.1	1.936	2.758	14.5	17.4
9 18	1 49.18	+ 5 4.0	1.863	2.765	11.2	17.2
9 28	1 42.24	+ 4 16.4	1.813	2.772	7.5	16.9
10 8	1 33.74	+ 3 24.7	1.788	2.778	3.6	16.7
10 18	1 24.55	+ 2 34.4	1.792	2.784	2.6	16.7
10 28	1 15.67	+ 1 51.5	1.825	2.789	6.2	16.9
11 7	1 8.03	+ 1 20.7	1.885	2.794	9.9	17.2
11 17	1 2.32	+ 1 5.1	1.970	2.798	13.2	17.4

140729 2001 UV_{97} 10 16.4 29°.64 1°.9/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.01	+ 6 16.1	1.772	2.605	15.1	19.9
9 18	1 46.34	+ 5 44.3	1.701	2.610	11.7	19.7
9 28	1 40.44	+ 5 3.2	1.653	2.614	7.8	19.4
10 8	1 32.94	+ 4 17.3	1.629	2.620	3.7	19.2
10 18	1 24.70	+ 3 32.2	1.633	2.625	2.4	19.1
10 28	1 16.77	+ 2 53.9	1.664	2.631	6.2	19.4
11 7	1 10.10	+ 2 27.5	1.721	2.637	10.2	19.6
11 17	1 5.39	+ 2 16.1	1.802	2.644	13.6	19.9

68334 2001 KG_9 10 16.4 163°.34 3°.0/19.1 18

9 8	1 54.77	+19 30.3	1.827	2.607	16.8	19.7
9 18	1 50.20	+19 25.5	1.745	2.612	13.7	19.5
9 28	1 43.14	+19 1.9	1.682	2.616	10.0	19.3
10 8	1 34.25	+18 19.8	1.643	2.619	5.9	19.0
10 18	1 24.45	+17 22.2	1.632	2.622	3.0	18.9
10 28	1 14.93	+16 15.1	1.649	2.625	5.1	19.0
11 7	1 6.79	+15 6.5	1.693	2.627	9.1	19.2
11 17	1 0.82	+14 3.9	1.763	2.628	12.8	19.5

217190 2002 SM_{67} 10 16.4 5°.81 6°.5/11.9 18

9 8	1 49.44	− 0 56.2	1.181	2.052	18.7	19.7
9 18	1 46.90	− 2 7.2	1.124	2.052	14.6	19.4
9 28	1 41.31	− 3 24.4	1.086	2.052	10.3	19.2
10 8	1 33.48	− 4 37.7	1.070	2.053	6.9	19.0
10 18	1 24.61	− 5 36.3	1.078	2.056	7.4	19.1
10 28	1 16.20	− 6 10.8	1.109	2.059	11.1	19.3
11 7	1 9.59	− 6 16.8	1.162	2.062	15.3	19.5
11 17	1 5.65	− 5 54.2	1.233	2.067	19.2	19.8

480261 2015 HA_{71} 10 16.4 1°.37 4°.8/14.8 18

9 8	1 51.92	− 2 5.9	0.908	1.792	21.8	18.6
9 18	1 49.72	− 1 37.9	0.853	1.787	17.2	18.3
9 28	1 43.70	− 1 7.5	0.815	1.785	11.9	18.0
10 8	1 34.75	− 0 29.1	0.795	1.785	6.6	17.8
10 18	1 24.36	+ 0 21.7	0.797	1.788	5.2	17.7
10 28	1 14.54	+ 1 27.4	0.821	1.793	9.8	18.0
11 7	1 7.03	+ 2 47.7	0.866	1.800	15.2	18.3
11 17	1 2.92	+ 4 20.4	0.930	1.810	20.0	18.6

315137 2007 EM_{113} 10 16.4 200°.24 2°.9/19.3 17

9 8	1 52.77	+18 53.3	2.369	3.137	13.7	21.6
9 18	1 48.14	+19 12.0	2.277	3.136	11.2	21.5
9 28	1 41.53	+19 17.5	2.206	3.134	8.2	21.3
10 8	1 33.45	+19 9.8	2.161	3.133	5.1	21.1
10 18	1 24.60	+18 50.0	2.144	3.131	3.0	20.9
10 28	1 15.88	+18 21.3	2.156	3.129	4.4	21.0
11 7	1 8.15	+17 48.2	2.196	3.127	7.5	21.2
11 17	1 2.09	+17 15.9	2.263	3.125	10.5	21.4

228089 2008 RV_{126} 10 16.4 84°.51 0°.1/16.6 18

9 8	1 41.77	+11 25.4	4.383	5.174	7.5	20.7
9 18	1 38.66	+11 3.1	4.297	5.179	5.8	20.6
9 28	1 34.68	+10 35.1	4.236	5.185	3.9	20.5
10 8	1 30.10	+10 3.0	4.203	5.190	1.9	20.3
10 18	1 25.24	+ 9 28.6	4.200	5.196	0.3	20.2
10 28	1 20.48	+ 8 54.3	4.228	5.201	2.4	20.4
11 7	1 16.16	+ 8 22.3	4.286	5.207	4.4	20.5
11 17	1 12.59	+ 7 54.6	4.372	5.212	6.3	20.7

353110 2009 FA_3 10 16.4 194°.04 4°.2/12.6 18

9 8	1 50.85	− 0 18.3	1.979	2.815	13.7	20.7
9 18	1 46.77	− 1 9.3	1.906	2.815	10.6	20.5
9 28	1 40.63	− 2 4.6	1.856	2.815	7.3	20.3
10 8	1 33.01	− 2 58.2	1.832	2.814	4.6	20.2
10 18	1 24.70	− 3 44.3	1.835	2.814	4.7	20.2
10 28	1 16.65	− 4 17.0	1.866	2.813	7.5	20.3
11 7	1 9.73	− 4 32.9	1.924	2.812	10.8	20.5
11 17	1 4.60	− 4 30.3	2.004	2.812	13.8	20.7

293334 2007 DE_{77} 10 16.4 255°.50 0°.8/17.1 18

9 8	1 52.39	+12 2.5	2.244	3.042	13.5	21.1
9 18	1 47.88	+12 7.5	2.153	3.038	10.7	20.9
9 28	1 41.38	+12 2.7	2.084	3.033	7.4	20.6
10 8	1 33.38	+11 49.2	2.042	3.028	3.7	20.4
10 18	1 24.62	+11 29.5	2.027	3.023	0.9	20.2
10 28	1 16.00	+11 7.2	2.042	3.018	4.3	20.4
11 7	1 8.37	+10 46.7	2.086	3.013	8.0	20.7
11 17	1 2.43	+10 31.9	2.155	3.008	11.3	20.9

436533 2011 FD_{153} 10 16.4 78°.11 4°.5/12.8 18

9 8	1 52.53	+ 1 17.3	1.543	2.389	16.4	20.6
9 18	1 48.47	+ 0 13.7	1.487	2.402	12.6	20.4
9 28	1 41.91	− 0 56.4	1.452	2.414	8.6	20.2
10 8	1 33.62	− 2 5.2	1.441	2.426	5.1	20.0
10 18	1 24.60	− 3 4.8	1.457	2.439	5.2	20.1
10 28	1 16.06	− 3 47.7	1.500	2.451	8.6	20.3
11 7	1 9.05	− 4 9.7	1.567	2.464	12.3	20.6
11 17	1 4.26	− 4 9.6	1.656	2.476	15.7	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
519319 2011 EY_{89}			10 16.4 173°.04		0°.9/17.1 18	
	h m	° ′			°	m
9 8	1 55.40	+12 30.5	1.696	2.506	16.7	21.7
9 18	1 50.83	+12 33.0	1.616	2.506	13.3	21.5
9 28	1 43.65	+12 22.0	1.556	2.507	9.2	21.3
10 8	1 34.52	+11 59.3	1.521	2.508	4.6	21.0
10 18	1 24.41	+11 28.0	1.513	2.508	1.0	20.8
10 28	1 14.56	+10 53.7	1.532	2.508	5.4	21.1
11 7	1 6.12	+10 22.6	1.579	2.508	9.9	21.3
11 17	0 59.95	+10 0.0	1.649	2.508	13.8	21.6
395886 2013 AF_{42}			10 16.4 328°.28		1°.2/17.1 16	
9 8	1 49.38	+11 20.6	1.316	2.158	18.9	20.7
9 18	1 47.20	+11 43.8	1.221	2.131	15.2	20.4
9 28	1 41.92	+11 54.1	1.145	2.104	10.7	20.1
10 8	1 34.01	+11 52.0	1.090	2.079	5.4	19.7
10 18	1 24.47	+11 39.9	1.059	2.055	1.3	19.4
10 28	1 14.80	+11 23.1	1.052	2.031	6.6	19.6
11 7	1 6.58	+11 8.6	1.069	2.010	12.2	19.9
11 17	1 1.08	+11 2.9	1.107	1.989	17.3	20.1
127766 2003 FA_{42}			10 16.4 147°.74		0°.9/17.1 17	
9 8	1 57.39	+13 27.2	1.584	2.392	17.8	20.8
9 18	1 52.47	+13 16.1	1.510	2.400	14.1	20.6
9 28	1 44.77	+12 48.9	1.457	2.407	9.7	20.4
10 8	1 35.03	+12 7.8	1.427	2.414	4.8	20.1
10 18	1 24.34	+11 17.3	1.424	2.420	1.0	19.8
10 28	1 14.02	+10 24.3	1.450	2.426	5.7	20.2
11 7	1 5.31	+ 9 36.4	1.502	2.431	10.3	20.5
11 17	0 59.05	+ 8 59.7	1.578	2.435	14.4	20.7
471963 2013 TC_{18}			10 16.4 316°.92		2°.3/17.9 18	
9 8	1 53.24	+14 28.1	1.345	2.170	19.5	21.4
9 18	1 50.02	+14 49.5	1.262	2.159	15.8	21.1
9 28	1 43.65	+14 54.3	1.197	2.149	11.2	20.8
10 8	1 34.72	+14 42.5	1.154	2.139	6.1	20.5
10 18	1 24.37	+14 16.3	1.135	2.129	2.3	20.3
10 28	1 14.13	+13 41.7	1.141	2.120	6.3	20.5
11 7	1 5.53	+13 6.6	1.172	2.111	11.5	20.8
11 17	0 59.71	+12 38.9	1.225	2.103	16.3	21.0
349677 2008 WF_{82}			10 16.4 52°.49		3°.4/13.7 18	
9 8	1 50.76	+ 4 4.2	1.545	2.390	16.4	20.4
9 18	1 47.15	+ 3 9.0	1.485	2.400	12.6	20.2
9 28	1 41.07	+ 2 4.8	1.447	2.411	8.4	20.0
10 8	1 33.26	+ 0 58.4	1.433	2.422	4.4	19.8
10 18	1 24.70	− 0 2.7	1.445	2.433	4.0	19.8
10 28	1 16.58	− 0 50.9	1.485	2.445	7.7	20.0
11 7	1 9.94	− 1 20.8	1.549	2.456	11.7	20.3
11 17	1 5.47	− 1 30.4	1.635	2.468	15.2	20.6
128989 2004 TN_{212}			10 16.4 346°.95		0°.8/15.8 18	
9 8	1 47.86	+ 8 40.6	1.730	2.563	15.5	19.6
9 18	1 44.90	+ 8 23.7	1.648	2.556	12.1	19.4
9 28	1 39.64	+ 7 55.7	1.588	2.549	8.1	19.1
10 8	1 32.66	+ 7 19.9	1.552	2.543	3.7	18.8
10 18	1 24.79	+ 6 41.0	1.542	2.537	1.3	18.6
10 28	1 17.12	+ 6 5.0	1.560	2.533	5.7	18.9
11 7	1 10.66	+ 5 37.6	1.603	2.529	10.0	19.2
11 17	1 6.17	+ 5 23.0	1.669	2.526	13.8	19.4
79980 1999 DX_{3}			10 16.4 270°.75		5°.0/11.0 18	
9 8	1 49.06	− 1 39.1	2.112	2.950	12.9	20.4
9 18	1 45.45	− 2 57.4	2.020	2.929	10.1	20.2
9 28	1 39.85	− 4 21.6	1.951	2.908	7.2	20.0
10 8	1 32.72	− 5 44.9	1.909	2.886	5.1	19.8
10 18	1 24.78	− 7 0.2	1.895	2.864	5.7	19.8
10 28	1 16.91	− 8 0.2	1.910	2.842	8.5	20.0
11 7	1 9.99	− 8 40.1	1.949	2.819	11.6	20.1
11 17	1 4.74	− 8 57.6	2.012	2.797	14.6	20.3
91634 1999 TJ_{75}			10 16.4 355°.23		1°.5/15.1 18	
9 8	1 48.48	+ 6 58.6	1.789	2.623	15.0	19.1
9 18	1 45.24	+ 6 32.9	1.711	2.620	11.6	18.9
9 28	1 39.78	+ 5 57.5	1.656	2.618	7.8	18.6
10 8	1 32.69	+ 5 16.4	1.625	2.616	3.6	18.4
10 18	1 24.80	+ 4 34.6	1.621	2.615	2.0	18.3
10 28	1 17.15	+ 3 58.3	1.644	2.614	6.0	18.5
11 7	1 10.69	+ 3 32.5	1.694	2.614	10.0	18.8
11 17	1 6.15	+ 3 20.7	1.767	2.615	13.6	19.0
446923 2002 VL_{2}			10 16.4 20°.73		27°.6/12.3 17	
9 8	2 16.93	−42 36.2	0.851	1.644	30.5	19.1
9 18	2 9.68	−43 49.9	0.835	1.648	29.2	19.1
9 28	1 56.80	−44 12.1	0.829	1.653	28.2	19.0
10 8	1 40.42	−43 25.0	0.833	1.660	27.6	19.0
10 18	1 23.51	−41 20.6	0.850	1.668	27.6	19.1
10 28	1 9.03	−38 3.9	0.881	1.677	28.3	19.2
11 7	0 58.83	−33 51.8	0.925	1.687	29.4	19.3
11 17	0 53.42	−29 5.0	0.984	1.699	30.6	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
517488 2014 QE_{225}			10 16.5 29°.18		5°.2/10.9 18	
	h m	° ′			°	m
9 8	1 44.95	+ 0 35.0	1.709	2.564	14.6	20.2
9 18	1 42.36	− 1 9.4	1.658	2.578	11.2	20.0
9 28	1 37.71	− 2 59.6	1.630	2.593	7.7	19.9
10 8	1 31.65	− 4 46.8	1.628	2.609	5.3	19.8
10 18	1 25.01	− 6 21.8	1.653	2.625	6.0	19.9
10 28	1 18.76	− 7 36.5	1.705	2.642	8.9	20.1
11 7	1 13.72	− 8 26.4	1.781	2.660	12.1	20.3
11 17	1 10.50	− 8 50.4	1.879	2.678	14.9	20.5
129668 1998 QE_{111}			10 16.5 64°.88		6°.5/10.2 18	
9 8	1 49.72	− 2 40.2	1.612	2.465	15.5	19.4
9 18	1 46.10	− 4 31.8	1.569	2.485	12.0	19.3
9 28	1 40.21	− 6 25.6	1.548	2.505	8.6	19.1
10 8	1 32.80	− 8 11.7	1.553	2.526	6.6	19.1
10 18	1 24.83	− 9 40.5	1.585	2.546	7.5	19.2
10 28	1 17.35	−10 44.3	1.642	2.567	10.2	19.4
11 7	1 11.30	−11 20.1	1.724	2.587	13.2	19.6
11 17	1 7.28	−11 28.1	1.826	2.608	16.0	19.9
420427 2012 DF_{27}			10 16.5 191°.63		0°.4/16.1 17	
9 8	1 54.87	+11 3.2	1.838	2.647	15.6	22.6
9 18	1 50.20	+10 29.1	1.753	2.646	12.3	22.4
9 28	1 43.13	+ 9 41.1	1.690	2.644	8.3	22.1
10 8	1 34.28	+ 8 42.4	1.652	2.642	3.8	21.9
10 18	1 24.53	+ 7 38.3	1.643	2.638	1.0	21.6
10 28	1 15.02	+ 6 35.8	1.662	2.634	5.6	22.0
11 7	1 6.80	+ 5 41.9	1.709	2.630	9.9	22.2
11 17	1 0.67	+ 5 1.7	1.780	2.624	13.7	22.4
471538 2012 JZ_{22}			10 16.5 203°.00		5°.5/12.3 17	
9 8	1 56.70	− 2 39.9	1.698	2.534	15.6	21.7
9 18	1 51.72	− 3 31.3	1.624	2.531	12.2	21.5
9 28	1 44.20	− 4 25.6	1.571	2.527	8.7	21.3
10 8	1 34.78	− 5 15.6	1.544	2.523	5.9	21.1
10 18	1 24.45	− 5 54.1	1.544	2.518	6.1	21.1
10 28	1 14.41	− 6 15.0	1.572	2.513	9.2	21.3
11 7	1 5.80	− 6 14.7	1.624	2.507	12.8	21.5
11 17	0 59.43	− 5 52.9	1.699	2.501	16.1	21.7
137540 1999 VE_{69}			10 16.5 3°.08		1°.7/15.4 18	
9 8	1 51.51	+ 7 15.0	1.195	2.050	19.6	20.0
9 18	1 48.64	+ 6 58.1	1.129	2.048	15.4	19.8
9 28	1 42.61	+ 6 28.1	1.082	2.048	10.3	19.5
10 8	1 34.18	+ 5 49.8	1.057	2.049	4.8	19.2
10 18	1 24.55	+ 5 10.0	1.055	2.050	2.3	19.0
10 28	1 15.33	+ 4 37.0	1.078	2.052	7.6	19.4
11 7	1 7.93	+ 4 18.0	1.124	2.055	12.9	19.7
11 17	1 3.34	+ 4 16.9	1.191	2.058	17.4	20.0
464384 2016 AL_{187}			10 16.5 334°.11		14°.0/28.4 16	
9 8	1 57.25	+43 30.9	1.997	2.620	19.9	20.4
9 18	1 53.58	+45 38.9	1.901	2.604	18.6	20.2
9 28	1 46.50	+47 25.7	1.820	2.588	17.1	20.1
10 8	1 36.34	+48 43.0	1.757	2.573	15.6	19.9
10 18	1 24.08	+49 23.7	1.713	2.559	14.4	19.8
10 28	1 11.37	+49 24.2	1.690	2.546	14.0	19.8
11 7	1 0.06	+48 47.7	1.689	2.534	14.4	19.8
11 17	0 51.69	+47 42.2	1.707	2.522	15.5	19.8
202310 2005 ER_{11}			10 16.5 243°.95		1°.7/15.0 18	
9 8	1 51.63	+ 6 49.7	1.850	2.677	14.9	20.3
9 18	1 47.62	+ 6 19.4	1.770	2.675	11.6	20.1
9 28	1 41.35	+ 5 39.4	1.712	2.672	7.7	19.9
10 8	1 33.43	+ 4 53.7	1.680	2.670	3.6	19.6
10 18	1 24.70	+ 4 7.5	1.674	2.668	2.1	19.5
10 28	1 16.20	+ 3 27.0	1.697	2.665	6.0	19.8
11 7	1 8.90	+ 2 57.4	1.747	2.663	10.1	20.0
11 17	1 3.56	+ 2 42.2	1.820	2.660	13.6	20.2
126491 2002 CC_{56}			10 16.5 197°.85		2°.5/18.7 18	
9 8	1 53.77	+17 55.6	2.030	2.811	15.3	20.3
9 18	1 49.26	+17 57.9	1.940	2.809	12.4	20.1
9 28	1 42.47	+17 44.6	1.871	2.806	9.0	19.9
10 8	1 33.98	+17 16.1	1.826	2.804	5.3	19.7
10 18	1 24.61	+16 34.8	1.809	2.800	2.6	19.5
10 28	1 15.41	+15 45.3	1.821	2.797	4.7	19.6
11 7	1 7.38	+14 53.9	1.861	2.793	8.5	19.9
11 17	1 1.29	+14 6.9	1.926	2.789	12.0	20.1
409715 2006 BW_{195}			10 16.5 228°.72		3°.8/20.7 17	
9 8	1 50.53	+23 22.0	2.584	3.328	13.3	22.0
9 18	1 46.34	+23 34.2	2.485	3.323	11.1	21.9
9 28	1 40.32	+23 31.6	2.406	3.317	8.5	21.7
10 8	1 32.92	+23 13.4	2.353	3.311	5.8	21.5
10 18	1 24.81	+22 40.7	2.327	3.305	3.9	21.4
10 28	1 16.79	+21 56.5	2.330	3.299	4.6	21.4
11 7	1 9.66	+21 5.6	2.362	3.292	7.0	21.6
11 17	1 4.06	+20 13.6	2.421	3.285	9.8	21.7

14661 1999 BH_{10} 10 16.5 65°.66 1°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.15	+ 7 23.5	1.833	2.662	14.9	18.2
9 18	1 46.33	+ 6 40.1	1.768	2.674	11.5	18.0
9 28	1 40.37	+ 5 46.5	1.725	2.686	7.6	17.8
10 8	1 32.92	+ 4 47.4	1.707	2.698	3.5	17.6
10 18	1 24.83	+ 3 48.7	1.717	2.710	2.2	17.5
10 28	1 17.09	+ 2 57.0	1.755	2.722	6.0	17.8
11 7	1 10.60	+ 2 17.6	1.819	2.734	9.8	18.0
11 17	1 6.00	+ 1 53.8	1.908	2.747	13.1	18.3

444542 2006 SZ_{246} 10 16.5 279°.68 0°.7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.48	+ 9 29.8	1.943	2.762	14.6	21.8
9 18	1 46.64	+ 9 3.6	1.861	2.760	11.4	21.6
9 28	1 40.66	+ 8 26.2	1.800	2.758	7.6	21.3
10 8	1 33.11	+ 7 40.8	1.765	2.755	3.5	21.1
10 18	1 24.78	+ 6 52.1	1.758	2.753	1.2	20.9
10 28	1 16.66	+ 6 5.8	1.779	2.751	5.3	21.2
11 7	1 9.68	+ 5 27.7	1.827	2.749	9.3	21.4
11 17	1 4.54	+ 5 1.8	1.900	2.747	12.8	21.6

219217 1999 VE_{108} 10 16.5 12°.45 4°.2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.68	− 1 29.2	1.808	2.649	14.6	19.3
9 18	1 47.58	− 1 54.5	1.741	2.652	11.3	19.1
9 28	1 41.26	− 2 21.5	1.695	2.655	7.8	18.9
10 8	1 33.36	− 2 45.3	1.675	2.658	4.8	18.8
10 18	1 24.75	− 3 0.6	1.682	2.662	4.7	18.8
10 28	1 16.45	− 3 2.9	1.715	2.667	7.6	18.9
11 7	1 9.42	− 2 49.6	1.775	2.672	11.1	19.2
11 17	1 4.35	− 2 20.3	1.857	2.678	14.2	19.4

188578 2005 GV_2 10 16.5 149°.25 0°.2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 57.20	+10 55.8	1.670	2.482	16.9	21.1
9 18	1 52.19	+10 49.6	1.595	2.488	13.3	20.9
9 28	1 44.55	+10 30.7	1.541	2.494	9.0	20.6
10 8	1 34.97	+10 1.5	1.511	2.499	4.3	20.4
10 18	1 24.46	+ 9 26.0	1.508	2.504	0.7	20.1
10 28	1 14.28	+ 8 50.1	1.534	2.508	5.6	20.5
11 7	1 5.60	+ 8 20.0	1.586	2.512	10.1	20.8
11 17	0 59.25	+ 8 0.5	1.663	2.516	14.0	21.0

356502 2011 SS_{36} 10 16.5 16°.33 1°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.15	+ 6 30.6	1.636	2.474	16.0	20.7
9 18	1 46.69	+ 5 59.5	1.566	2.476	12.4	20.5
9 28	1 40.83	+ 5 18.3	1.517	2.479	8.3	20.3
10 8	1 33.22	+ 4 31.5	1.492	2.482	3.9	20.0
10 18	1 24.78	+ 3 45.1	1.493	2.486	2.4	19.9
10 28	1 16.66	+ 3 5.8	1.522	2.490	6.5	20.2
11 7	1 9.90	+ 2 39.1	1.576	2.495	10.7	20.4
11 17	1 5.24	+ 2 28.3	1.653	2.500	14.4	20.7

343002 2009 BL_{76} 10 16.5 317°.78 9°.0/ 8.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.91	− 8 52.5	1.553	2.413	15.6	19.4
9 18	1 45.21	−10 34.2	1.484	2.398	12.7	19.2
9 28	1 40.01	−12 15.9	1.436	2.383	10.1	19.0
10 8	1 32.91	−13 46.7	1.412	2.369	9.0	18.9
10 18	1 24.83	−14 56.1	1.413	2.355	10.1	19.0
10 28	1 16.98	−15 35.8	1.437	2.342	12.8	19.1
11 7	1 10.46	−15 42.5	1.483	2.329	15.9	19.3
11 17	1 6.11	−15 17.2	1.547	2.317	18.9	19.4

91183 1998 RZ_{49} 10 16.5 339°.13 2°.8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.33	+15 14.0	1.862	2.660	15.9	18.1
9 18	1 49.22	+15 53.9	1.771	2.651	12.9	17.9
9 28	1 42.64	+16 22.3	1.701	2.642	9.3	17.7
10 8	1 34.15	+16 38.4	1.654	2.634	5.4	17.4
10 18	1 24.60	+16 42.9	1.635	2.626	2.8	17.3
10 28	1 15.12	+16 38.5	1.644	2.619	5.2	17.4
11 7	1 6.83	+16 29.8	1.679	2.613	9.1	17.6
11 17	1 0.61	+16 21.8	1.739	2.608	12.7	17.8

398763 2013 AE_{71} 10 16.5 68°.26 2°.8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.68	+18 24.6	1.925	2.711	15.8	20.6
9 18	1 47.71	+18 28.5	1.842	2.713	12.8	20.3
9 28	1 41.46	+18 16.0	1.779	2.715	9.3	20.1
10 8	1 33.52	+17 47.5	1.740	2.717	5.5	19.9
10 18	1 24.73	+17 5.5	1.728	2.719	2.8	19.8
10 28	1 16.17	+16 14.9	1.745	2.721	4.8	19.9
11 7	1 8.82	+15 22.4	1.788	2.723	8.6	20.1
11 17	1 3.45	+14 34.5	1.857	2.725	12.1	20.3

347241 2011 JC_{18} 10 16.5 94°.35 2°.3/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 57.84	+16 35.7	1.879	2.663	16.3	20.6
9 18	1 52.26	+16 45.5	1.815	2.687	13.0	20.4
9 28	1 44.33	+16 40.2	1.772	2.710	9.2	20.2
10 8	1 34.76	+16 20.6	1.754	2.734	5.2	20.0
10 18	1 24.53	+15 49.5	1.764	2.756	2.3	19.9
10 28	1 14.75	+15 11.6	1.803	2.779	4.8	20.1
11 7	1 6.43	+14 33.0	1.870	2.800	8.5	20.4
11 17	1 0.25	+13 59.5	1.962	2.822	11.9	20.6

140646 2001 UX_{28} 10 16.5 324°.14 1°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.16	+ 6 23.1	1.903	2.732	14.4	20.0
9 18	1 46.42	+ 5 52.7	1.823	2.728	11.2	19.8
9 28	1 40.54	+ 5 13.2	1.764	2.725	7.5	19.5
10 8	1 33.07	+ 4 28.6	1.731	2.722	3.5	19.3
10 18	1 24.83	+ 3 44.0	1.726	2.718	2.2	19.2
10 28	1 16.79	+ 3 5.3	1.748	2.716	6.0	19.5
11 7	1 9.90	+ 2 37.6	1.797	2.713	9.9	19.7
11 17	1 4.86	+ 2 24.0	1.871	2.710	13.3	19.9

23984 1999 NC_{42} 10 16.5 345°.91 11°.2/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.68	−11 46.1	1.277	2.149	17.5	17.2
9 18	1 44.69	−13 33.9	1.221	2.139	14.6	17.0
9 28	1 39.84	−15 16.9	1.186	2.130	12.1	16.8
10 8	1 32.87	−16 41.7	1.172	2.122	11.2	16.8
10 18	1 24.87	−17 36.9	1.180	2.115	12.5	16.8
10 28	1 17.23	−17 54.4	1.210	2.110	15.1	17.0
11 7	1 11.23	−17 32.9	1.259	2.106	18.2	17.2
11 17	1 7.70	−16 35.8	1.325	2.103	21.1	17.4

133733 2003 UP_{275} 10 16.5 70°.51 3°.0/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.50	+20 45.3	1.759	2.544	17.1	19.5
9 18	1 46.88	+20 24.6	1.687	2.557	13.9	19.3
9 28	1 40.90	+19 42.7	1.635	2.569	10.1	19.1
10 8	1 33.23	+18 41.1	1.606	2.582	6.1	18.9
10 18	1 24.82	+17 24.0	1.604	2.595	3.1	18.7
10 28	1 16.78	+15 58.7	1.630	2.607	5.0	18.9
11 7	1 10.12	+14 34.0	1.683	2.620	8.8	19.1
11 17	1 5.55	+13 18.0	1.761	2.632	12.5	19.4

482625 2013 AM_{56} 10 16.5 15°.03 9°.2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.99	−11 8.3	1.470	2.325	16.6	20.4
9 18	1 48.27	−12 15.6	1.419	2.328	13.5	20.2
9 28	1 41.92	−13 16.5	1.389	2.332	10.7	20.0
10 8	1 33.72	−14 1.5	1.381	2.337	9.3	20.0
10 18	1 24.74	−14 22.7	1.397	2.343	10.0	20.0
10 28	1 16.25	−14 15.1	1.437	2.349	12.4	20.2
11 7	1 9.35	−13 38.4	1.500	2.356	15.3	20.4
11 17	1 4.78	−12 35.8	1.581	2.363	18.0	20.6

4450 Pan 10 16.5 75°.70 6°.7/20.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	2 54.49	+26 50.4	0.722	1.475	37.9	18.8
9 18	2 36.49	+26 45.2	0.710	1.554	30.0	18.6
9 28	2 13.08	+25 51.4	0.711	1.629	21.4	18.5
10 8	1 47.18	+24 6.8	0.732	1.699	12.8	18.3
10 18	1 22.59	+21 45.1	0.779	1.765	6.9	18.3
10 28	1 2.52	+19 12.5	0.854	1.826	9.3	18.7
11 7	0 48.41	+16 54.4	0.954	1.883	14.7	19.2
11 17	0 40.18	+15 4.9	1.076	1.936	19.4	19.7

78376 2002 PC_{128} 10 16.5 8°.23 0°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.18	+ 9 12.2	2.009	2.831	14.0	19.4
9 18	1 44.76	+ 8 51.6	1.931	2.832	10.9	19.2
9 28	1 39.35	+ 8 20.9	1.876	2.834	7.3	19.0
10 8	1 32.51	+ 7 43.2	1.845	2.836	3.3	18.7
10 18	1 24.97	+ 7 2.6	1.843	2.838	1.1	18.6
10 28	1 17.66	+ 6 24.5	1.868	2.841	5.0	18.8
11 7	1 11.42	+ 5 53.7	1.921	2.844	8.8	19.1
11 17	1 6.90	+ 5 34.1	1.998	2.848	12.1	19.3

385105 2012 VT_{89} 10 16.5 63°.88 0°.3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.48	+12 53.0	1.606	2.426	17.1	20.5
9 18	1 47.71	+12 22.8	1.542	2.440	13.4	20.3
9 28	1 41.48	+11 36.6	1.499	2.454	9.1	20.0
10 8	1 33.51	+10 38.1	1.479	2.468	4.3	19.8
10 18	1 24.80	+ 9 33.0	1.486	2.482	0.7	19.6
10 28	1 16.51	+ 8 29.0	1.521	2.497	5.5	19.9
11 7	1 9.69	+ 7 33.6	1.582	2.511	9.9	20.2
11 17	1 5.05	+ 6 52.1	1.666	2.526	13.7	20.5

289238 2004 XO_{75} 10 16.5 325°.27 10°.0/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.03	−17 4.6	1.883	2.721	14.2	19.7
9 18	1 46.45	−18 20.6	1.816	2.705	12.2	19.5
9 28	1 40.62	−19 28.1	1.771	2.689	10.6	19.4
10 8	1 33.14	−20 18.4	1.748	2.673	10.0	19.3
10 18	1 24.85	−20 43.9	1.750	2.658	10.9	19.3
10 28	1 16.80	−20 40.1	1.776	2.644	12.8	19.4
11 7	1 9.95	−20 6.0	1.823	2.630	15.1	19.5
11 17	1 5.03	−19 4.2	1.889	2.616	17.3	19.7

77096 2001 DV_{50} 10 16.5 306°.78 6°.2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.99	− 1 56.4	1.307	2.166	18.0	19.1
9 18	1 49.74	− 2 46.8	1.230	2.150	14.2	18.8
9 28	1 43.41	− 3 42.3	1.173	2.135	10.1	18.5
10 8	1 34.65	− 4 34.2	1.138	2.121	6.7	18.3
10 18	1 24.57	− 5 13.3	1.128	2.106	7.0	18.3
10 28	1 14.68	− 5 31.2	1.142	2.093	10.7	18.5
11 7	1 6.44	− 5 23.2	1.179	2.079	15.2	18.7
11 17	1 0.89	− 4 48.7	1.235	2.066	19.3	18.9

51005 2000 GM_{102} 10 16.5 116°.68 1°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 52.45	+15 5.9	1.969	2.765	15.2	19.4
9 18	1 48.21	+15 6.9	1.886	2.767	12.1	19.2
9 28	1 41.76	+14 54.0	1.825	2.769	8.5	19.0
10 8	1 33.67	+14 28.5	1.788	2.771	4.6	18.8
10 18	1 24.77	+13 53.2	1.779	2.773	1.7	18.6
10 28	1 16.08	+13 12.9	1.799	2.775	4.7	18.8
11 7	1 8.59	+12 33.3	1.845	2.777	8.5	19.0
11 17	1 3.01	+11 59.9	1.918	2.779	12.1	19.3

348104 2003 YF_{38} 10 16.5 258°.91 3°.1/13.9 18

9 8	1 53.83	+ 1 39.6	2.002	2.829	13.9	20.9
9 18	1 49.27	+ 1 12.7	1.912	2.816	10.8	20.6
9 28	1 42.49	+ 0 40.7	1.844	2.802	7.4	20.4
10 8	1 34.04	+ 0 8.1	1.802	2.789	4.0	20.2
10 18	1 24.70	− 0 20.2	1.788	2.774	3.6	20.1
10 28	1 15.47	− 0 39.1	1.803	2.760	6.8	20.3
11 7	1 7.35	− 0 44.7	1.844	2.746	10.5	20.5
11 17	1 1.09	− 0 35.1	1.910	2.731	13.9	20.7

165367 2000 WY_{104} 10 16.5 111°.43 1°.9/15.3 17

9 8	1 56.89	+ 6 10.0	1.410	2.246	18.2	20.1
9 18	1 52.38	+ 5 54.6	1.341	2.250	14.2	19.9
9 28	1 44.90	+ 5 29.0	1.292	2.253	9.5	19.6
10 8	1 35.22	+ 4 57.6	1.266	2.257	4.5	19.4
10 18	1 24.49	+ 4 26.1	1.267	2.260	2.4	19.3
10 28	1 14.16	+ 4 1.2	1.293	2.264	7.2	19.6
11 7	1 5.54	+ 3 48.7	1.345	2.267	12.0	19.8
11 17	0 59.55	+ 3 51.7	1.420	2.270	16.1	20.1

101323 1998 SO_{155} 10 16.5 57°.38 3°.3/14.3 18

9 8	1 55.12	+ 3 35.5	1.336	2.183	18.4	19.5
9 18	1 50.87	+ 3 2.8	1.282	2.198	14.2	19.3
9 28	1 43.74	+ 2 22.0	1.249	2.213	9.5	19.0
10 8	1 34.59	+ 1 39.5	1.238	2.228	4.8	18.8
10 18	1 24.62	+ 1 2.2	1.253	2.243	3.9	18.8
10 28	1 15.25	+ 0 37.3	1.294	2.259	8.0	19.1
11 7	1 7.67	+ 0 29.2	1.360	2.275	12.4	19.4
11 17	1 2.68	+ 0 39.8	1.447	2.291	16.3	19.7

177485 2004 ET_{19} 10 16.5 12°.68 1°.9/18.1 18

9 8	1 52.24	+15 15.6	1.881	2.680	15.7	20.1
9 18	1 48.19	+15 22.2	1.799	2.681	12.6	19.9
9 28	1 41.82	+15 14.7	1.737	2.681	8.9	19.6
10 8	1 33.73	+14 54.0	1.700	2.682	4.9	19.4
10 18	1 24.76	+14 22.7	1.689	2.683	1.9	19.2
10 28	1 16.01	+13 45.5	1.707	2.684	4.8	19.4
11 7	1 8.49	+13 8.5	1.752	2.685	8.8	19.7
11 17	1 2.96	+12 37.2	1.822	2.686	12.4	19.9

78658 2002 TS_{77} 10 16.5 57°.35 1°.7/17.7 18

9 8	1 56.36	+13 38.2	1.661	2.467	17.2	18.6
9 18	1 51.43	+13 58.1	1.600	2.486	13.6	18.4
9 28	1 43.95	+14 4.4	1.559	2.506	9.5	18.2
10 8	1 34.67	+13 58.1	1.542	2.526	5.0	18.0
10 18	1 24.62	+13 41.9	1.551	2.546	1.7	17.8
10 28	1 15.03	+13 20.4	1.589	2.566	5.1	18.1
11 7	1 6.99	+12 59.4	1.653	2.586	9.3	18.4
11 17	1 1.25	+12 43.8	1.742	2.606	12.9	18.6

220388 2003 QK_{51} 10 16.5 326°.13 3°.7/13.2 18

9 8	1 46.05	+ 2 41.7	1.716	2.566	14.8	18.9
9 18	1 43.69	+ 1 53.0	1.619	2.537	11.6	18.7
9 28	1 39.02	+ 0 55.2	1.544	2.509	7.9	18.4
10 8	1 32.52	− 0 6.3	1.493	2.481	4.5	18.1
10 18	1 24.97	− 1 4.3	1.469	2.455	4.4	18.1
10 28	1 17.44	− 1 51.0	1.470	2.429	8.0	18.2
11 7	1 10.98	− 2 20.3	1.497	2.403	12.1	18.4
11 17	1 6.48	− 2 28.6	1.545	2.379	15.9	18.6

270506 2002 FP_{2} 10 16.5 174°.45 1°.3/15.4 17

9 8	1 53.72	+ 9 47.2	1.653	2.476	16.5	21.1
9 18	1 49.52	+ 8 58.6	1.577	2.478	12.9	20.9
9 28	1 42.78	+ 7 55.2	1.521	2.480	8.6	20.7
10 8	1 34.19	+ 6 41.8	1.491	2.481	3.9	20.4
10 18	1 24.70	+ 5 25.2	1.487	2.482	1.8	20.3
10 28	1 15.52	+ 4 13.7	1.512	2.482	6.4	20.6
11 7	1 7.76	+ 3 15.1	1.563	2.482	10.8	20.8
11 17	1 2.21	+ 2 34.3	1.638	2.481	14.7	21.1

257284 2009 HK_{20} 10 16.5 103°.62 1°.2/15.7 17

9 8	1 59.22	+ 7 31.8	1.508	2.332	17.8	21.0
9 18	1 53.82	+ 7 19.7	1.447	2.348	13.8	20.7
9 28	1 45.64	+ 6 57.2	1.406	2.364	9.2	20.5
10 8	1 35.47	+ 6 27.9	1.390	2.380	4.2	20.3
10 18	1 24.49	+ 5 57.0	1.400	2.395	1.7	20.1
10 28	1 14.03	+ 5 30.6	1.439	2.410	6.4	20.5
11 7	1 5.32	+ 5 14.1	1.503	2.424	11.0	20.8
11 17	0 59.13	+ 5 10.9	1.591	2.438	14.9	21.1

114377 2002 XP_{106} 10 16.5 37°.34 2°.5/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 49.86	+18 13.6	1.275	2.098	20.5	19.2
9 18	1 47.18	+17 54.7	1.214	2.108	16.5	18.9
9 28	1 41.51	+17 11.0	1.170	2.119	11.7	18.7
10 8	1 33.64	+16 5.0	1.147	2.131	6.5	18.4
10 18	1 24.81	+14 42.7	1.149	2.143	2.5	18.2
10 28	1 16.47	+13 14.4	1.176	2.156	5.9	18.5
11 7	1 9.93	+11 51.2	1.228	2.169	10.9	18.8
11 17	1 6.02	+10 42.5	1.303	2.183	15.3	19.1

411573 2011 DG_{50} 10 16.5 286°.51 4°.4/10.7 17

9 8	1 46.32	+ 1 7.7	2.333	3.168	11.9	21.2
9 18	1 43.17	− 0 40.3	2.235	3.144	9.2	20.9
9 28	1 38.27	− 2 37.7	2.163	3.121	6.4	20.7
10 8	1 32.04	− 4 37.8	2.119	3.098	4.5	20.6
10 18	1 25.09	− 6 32.6	2.105	3.074	5.2	20.6
10 28	1 18.19	− 8 14.0	2.121	3.051	7.9	20.7
11 7	1 12.11	− 9 35.7	2.163	3.027	10.9	20.9
11 17	1 7.47	−10 34.2	2.229	3.003	13.7	21.0

183774 2004 BX_{18} 10 16.5 304°.50 5°.5/10.9 18

9 8	1 46.67	+ 0 36.9	1.675	2.528	15.0	20.0
9 18	1 44.20	− 0 58.8	1.584	2.503	11.7	19.7
9 28	1 39.37	− 2 45.6	1.515	2.478	8.2	19.4
10 8	1 32.69	− 4 35.3	1.472	2.453	5.7	19.2
10 18	1 24.97	− 6 17.5	1.455	2.428	6.5	19.2
10 28	1 17.30	− 7 42.0	1.465	2.404	9.9	19.4
11 7	1 10.77	− 8 41.1	1.498	2.380	13.8	19.6
11 17	1 6.24	− 9 11.5	1.553	2.356	17.3	19.7

481889 2009 AO_{24} 10 16.5 279°.62 3°.3/13.6 18

9 8	1 50.40	+ 3 20.5	1.805	2.643	14.7	21.8
9 18	1 46.81	+ 2 30.2	1.721	2.632	11.5	21.6
9 28	1 40.94	+ 1 31.3	1.659	2.621	7.7	21.3
10 8	1 33.35	+ 0 29.4	1.622	2.609	4.2	21.1
10 18	1 24.87	− 0 28.8	1.612	2.598	3.9	21.1
10 28	1 16.55	− 1 16.3	1.629	2.587	7.4	21.3
11 7	1 9.40	− 1 47.6	1.673	2.576	11.3	21.5
11 17	1 4.20	− 1 59.8	1.739	2.565	14.8	21.7

404637 2014 HY_{15} 10 16.5 70°.67 0°.7/15.9 18

9 8	1 53.11	+ 8 23.5	1.849	2.669	15.1	21.4
9 18	1 48.74	+ 8 12.0	1.775	2.674	11.8	21.2
9 28	1 42.11	+ 7 50.7	1.722	2.679	7.9	21.0
10 8	1 33.84	+ 7 22.8	1.694	2.684	3.6	20.7
10 18	1 24.79	+ 6 52.3	1.694	2.689	1.2	20.6
10 28	1 16.03	+ 6 24.4	1.722	2.695	5.4	20.9
11 7	1 8.53	+ 6 4.0	1.777	2.700	9.5	21.1
11 17	1 3.02	+ 5 54.5	1.857	2.705	13.0	21.4

206549 2003 UW_{219} 10 16.5 325°.27 1°.1/17.3 18

9 8	1 51.74	+12 53.1	1.639	2.457	16.9	20.5
9 18	1 48.20	+12 55.7	1.555	2.450	13.4	20.3
9 28	1 42.07	+12 44.2	1.490	2.443	9.3	20.0
10 8	1 33.95	+12 20.0	1.449	2.436	4.7	19.7
10 18	1 24.76	+11 46.5	1.434	2.430	1.1	19.5
10 28	1 15.74	+11 9.4	1.446	2.424	5.4	19.8
11 7	1 8.07	+10 35.3	1.484	2.418	10.0	20.0
11 17	1 2.63	+10 9.9	1.546	2.413	14.1	20.3

284816 2008 YJ_{153} 10 16.5 359°.17 1°.4/17.6 18

9 8	1 49.80	+14 30.7	1.538	2.359	17.6	21.0
9 18	1 46.77	+14 21.8	1.461	2.357	14.1	20.8
9 28	1 41.12	+13 55.5	1.404	2.356	9.8	20.5
10 8	1 33.48	+13 13.8	1.369	2.356	5.1	20.3
10 18	1 24.85	+12 21.1	1.360	2.356	1.4	20.0
10 28	1 16.49	+11 24.5	1.378	2.356	5.5	20.3
11 7	1 9.56	+10 31.9	1.421	2.357	10.2	20.6
11 17	1 4.92	+ 9 50.3	1.488	2.359	14.3	20.8

71660 2000 EJ_{130} 10 16.5 73°.00 3°.9/11.7 18

9 8	1 46.64	− 0 4.3	2.349	3.184	11.8	19.0
9 18	1 43.21	− 1 18.1	2.278	3.188	9.1	18.8
9 28	1 38.14	− 2 36.3	2.233	3.191	6.3	18.6
10 8	1 31.91	− 3 53.2	2.214	3.194	4.2	18.5
10 18	1 25.16	− 5 2.8	2.224	3.197	4.5	18.6
10 28	1 18.61	− 5 59.5	2.262	3.201	7.0	18.7
11 7	1 12.97	− 6 39.6	2.327	3.204	9.7	18.9
11 17	1 8.76	− 7 1.2	2.416	3.207	12.2	19.1

213966 2003 YY_{89} 10 16.5 258°.31 3°.0/13.8 18

9 8	1 51.64	+ 2 44.3	1.999	2.829	13.8	20.7
9 18	1 47.54	+ 2 6.1	1.912	2.819	10.7	20.4
9 28	1 41.32	+ 1 21.3	1.849	2.808	7.2	20.2
10 8	1 33.50	+ 0 34.7	1.811	2.798	3.9	20.0
10 18	1 24.87	− 0 8.3	1.801	2.787	3.5	19.9
10 28	1 16.38	− 0 41.9	1.819	2.777	6.7	20.1
11 7	1 8.98	− 1 1.9	1.864	2.766	10.4	20.3
11 17	1 3.39	− 1 5.5	1.932	2.755	13.7	20.5

108571 2001 MX_2 10 16.5 160°.48 3°.5/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 53.39	+21 56.2	2.400	3.151	14.0	20.7
9 18	1 48.61	+22 2.7	2.312	3.157	11.5	20.5
9 28	1 41.87	+21 53.6	2.244	3.162	8.7	20.3
10 8	1 33.70	+21 28.8	2.202	3.167	5.7	20.2
10 18	1 24.84	+20 49.8	2.188	3.171	3.5	20.0
10 28	1 16.16	+20 0.4	2.203	3.174	4.5	20.1
11 7	1 8.52	+19 6.0	2.247	3.177	7.3	20.3
11 17	1 2.57	+18 12.6	2.318	3.180	10.2	20.5

122787 2000 SF_{90} 10 16.5 332°.79 10°.7/25.5 18

9 8	1 49.21	+33 52.1	1.464	2.201	22.1	19.4
9 18	1 47.25	+34 55.6	1.377	2.189	19.6	19.2
9 28	1 42.05	+35 30.4	1.304	2.178	16.7	19.0
10 8	1 34.17	+35 29.8	1.249	2.168	13.7	18.8
10 18	1 24.72	+34 50.1	1.215	2.158	11.4	18.6
10 28	1 15.33	+33 33.4	1.203	2.149	10.8	18.5
11 7	1 7.64	+31 49.0	1.214	2.141	12.5	18.6
11 17	1 2.85	+29 50.7	1.247	2.134	15.4	18.8

405335 2003 UN_{302} 10 16.5 280°.62 2°.6/18.9 17

9 8	1 52.84	+17 22.9	2.384	3.157	13.5	21.3
9 18	1 48.27	+17 46.8	2.289	3.152	11.0	21.1
9 28	1 41.72	+17 59.0	2.215	3.147	8.0	20.9
10 8	1 33.68	+17 59.4	2.167	3.142	4.8	20.7
10 18	1 24.85	+17 49.0	2.148	3.137	2.7	20.5
10 28	1 16.10	+17 30.5	2.157	3.132	4.3	20.6
11 7	1 8.30	+17 8.0	2.196	3.126	7.5	20.8
11 17	1 2.14	+16 46.2	2.261	3.121	10.5	21.0

243322 2008 SG_{31} 10 16.5 37°.36 1°.8/19.6 18

9 8	1 43.30	+19 27.0	4.045	4.800	8.7	20.1
9 18	1 40.02	+19 22.1	3.953	4.804	7.0	20.0
9 28	1 35.73	+19 8.4	3.885	4.809	5.1	19.9
10 8	1 30.73	+18 46.8	3.844	4.814	3.2	19.8
10 18	1 25.39	+18 18.6	3.832	4.819	1.8	19.7
10 28	1 20.15	+17 45.9	3.851	4.824	2.6	19.7
11 7	1 15.42	+17 11.3	3.899	4.829	4.5	19.9
11 17	1 11.53	+16 37.7	3.975	4.835	6.4	20.0

442407 2011 UH_{76} 10 16.5 33°.85 2°.0/18.2 18

9 8	1 51.24	+16 4.9	1.747	2.550	16.6	21.3
9 18	1 47.55	+16 5.3	1.671	2.555	13.3	21.1
9 28	1 41.46	+15 49.5	1.615	2.560	9.4	20.9
10 8	1 33.60	+15 18.9	1.583	2.566	5.2	20.7
10 18	1 24.89	+14 36.6	1.578	2.572	2.0	20.5
10 28	1 16.46	+13 48.3	1.600	2.578	5.0	20.7
11 7	1 9.36	+13 0.9	1.649	2.584	9.1	21.0
11 17	1 4.35	+12 20.6	1.722	2.591	12.8	21.2

351153 2003 YE_{55} 10 16.5 337°.07 0°.4/16.8 18

9 8	1 44.94	+11 59.0	1.264	2.115	19.0	20.3
9 18	1 43.68	+11 51.2	1.179	2.094	15.2	20.0
9 28	1 39.50	+11 25.3	1.111	2.074	10.5	19.7
10 8	1 32.93	+10 43.7	1.065	2.055	5.1	19.3
10 18	1 24.98	+ 9 51.4	1.042	2.038	0.8	19.0
10 28	1 17.09	+ 8 57.0	1.043	2.023	6.6	19.3
11 7	1 10.71	+ 8 10.0	1.068	2.009	12.2	19.6
11 17	1 6.93	+ 7 38.1	1.113	1.996	17.1	19.8

99094 2001 FE_{38} 10 16.5 136°.49 4°.3/20.5 18

9 8	1 55.85	+22 46.8	2.181	2.930	15.3	20.3
9 18	1 50.75	+23 11.4	2.098	2.939	12.7	20.1
9 28	1 43.43	+23 19.4	2.035	2.948	9.7	19.9
10 8	1 34.49	+23 9.9	1.997	2.957	6.6	19.8
10 18	1 24.74	+22 43.7	1.987	2.966	4.4	19.6
10 28	1 15.23	+22 4.3	2.005	2.973	5.2	19.7
11 7	1 6.91	+21 17.5	2.052	2.981	8.0	19.9
11 17	1 0.51	+20 29.5	2.124	2.988	11.0	20.1

89829 2002 BQ_{29} 10 16.5 93°.56 2°.8/11.4 18

9 8	1 43.17	− 5 7.3	4.416	5.238	6.9	19.3
9 18	1 39.75	− 5 36.5	4.343	5.242	5.4	19.2
9 28	1 35.46	− 6 5.1	4.297	5.246	3.9	19.1
10 8	1 30.59	− 6 30.8	4.279	5.250	2.9	19.1
10 18	1 25.45	− 6 51.4	4.291	5.253	3.1	19.1
10 28	1 20.42	− 7 4.9	4.332	5.257	4.3	19.2
11 7	1 15.84	− 7 9.9	4.401	5.261	5.9	19.3
11 17	1 12.00	− 7 5.8	4.497	5.265	7.3	19.4

176316 2001 SB_{196} 10 16.5 296°.95 1°.7/14.8 18

9 8	1 48.46	+ 8 0.6	1.935	2.762	14.3	19.9
9 18	1 45.11	+ 7 8.4	1.853	2.758	11.1	19.7
9 28	1 39.69	+ 6 4.4	1.793	2.754	7.4	19.5
10 8	1 32.75	+ 4 53.4	1.759	2.750	3.4	19.3
10 18	1 25.06	+ 3 41.3	1.753	2.746	2.2	19.2
10 28	1 17.57	+ 2 35.3	1.775	2.742	6.0	19.4
11 7	1 11.18	+ 1 41.7	1.824	2.738	9.8	19.6
11 17	1 6.57	+ 1 4.5	1.897	2.734	13.3	19.8

268921 2007 CW_{44} 10 16.5 134°.57 0°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 54.31	+13 11.5	1.919	2.720	15.4	21.4
9 18	1 49.58	+12 44.9	1.845	2.732	12.1	21.2
9 28	1 42.62	+12 4.1	1.793	2.743	8.3	21.0
10 8	1 34.08	+11 12.1	1.766	2.754	4.0	20.8
10 18	1 24.83	+10 13.3	1.768	2.764	0.7	20.6
10 28	1 15.92	+ 9 14.0	1.798	2.773	4.9	20.9
11 7	1 8.29	+ 8 20.7	1.857	2.782	8.9	21.2
11 17	1 2.64	+ 7 38.6	1.940	2.791	12.4	21.4

150825 2001 SR_8 10 16.5 15°.97 0°.3/16.3 18

9 8	1 49.37	+11 9.6	1.233	2.080	19.6	19.7
9 18	1 46.89	+10 48.5	1.170	2.084	15.4	19.5
9 28	1 41.40	+10 9.7	1.126	2.088	10.4	19.2
10 8	1 33.68	+ 9 17.6	1.103	2.094	4.9	18.9
10 18	1 24.91	+ 8 18.9	1.104	2.100	1.0	18.7
10 28	1 16.56	+ 7 22.9	1.131	2.108	6.7	19.1
11 7	1 9.97	+ 6 38.1	1.181	2.116	11.9	19.4
11 17	1 6.01	+ 6 10.4	1.252	2.125	16.4	19.7

368544 2003 WC_{192} 10 16.5 19°.53 4°.9/19.6 18

9 8	1 51.42	+19 15.7	1.087	1.917	22.8	20.5
9 18	1 49.09	+19 52.9	1.027	1.922	18.7	20.2
9 28	1 43.22	+20 5.5	0.983	1.929	13.9	20.0
10 8	1 34.65	+19 51.9	0.959	1.937	8.7	19.7
10 18	1 24.74	+19 14.4	0.956	1.946	5.0	19.6
10 28	1 15.31	+18 20.4	0.977	1.956	7.1	19.7
11 7	1 7.98	+17 21.5	1.020	1.967	11.9	20.0
11 17	1 3.80	+16 28.3	1.085	1.979	16.6	20.3

315935 2008 TK_{15} 10 16.5 7°.57 0°.3/16.9 18

9 8	1 42.61	+12 7.3	3.998	4.788	8.2	21.4
9 18	1 39.49	+11 49.2	3.907	4.789	6.4	21.3
9 28	1 35.38	+11 24.7	3.842	4.789	4.3	21.1
10 8	1 30.59	+10 55.4	3.803	4.790	2.1	20.9
10 18	1 25.47	+10 23.0	3.795	4.791	0.4	20.8
10 28	1 20.44	+ 9 50.1	3.817	4.792	2.6	21.0
11 7	1 15.90	+ 9 19.2	3.869	4.793	4.8	21.1
11 17	1 12.18	+ 8 52.6	3.949	4.794	6.8	21.3

436573 2011 HL_{71} 10 16.5 245°.10 3°.2/19.2 18

9 8	1 52.56	+19 36.2	1.744	2.531	17.2	21.3
9 18	1 48.81	+19 34.7	1.653	2.524	14.1	21.1
9 28	1 42.49	+19 13.7	1.582	2.518	10.3	20.9
10 8	1 34.18	+18 33.0	1.535	2.511	6.3	20.6
10 18	1 24.82	+17 35.3	1.513	2.504	3.2	20.4
10 28	1 15.60	+16 26.6	1.519	2.496	5.3	20.5
11 7	1 7.72	+15 15.4	1.552	2.489	9.5	20.8
11 17	1 2.04	+14 9.8	1.610	2.481	13.4	21.0

128496 2004 PV_{16} 10 16.5 77°.16 0°.7/17.0 18

9 8	1 53.52	+14 13.8	1.261	2.091	20.3	20.4
9 18	1 50.08	+13 44.4	1.197	2.099	16.0	20.2
9 28	1 43.53	+12 53.4	1.151	2.107	11.0	19.9
10 8	1 34.67	+11 44.7	1.127	2.116	5.4	19.6
10 18	1 24.75	+10 25.4	1.128	2.124	0.9	19.3
10 28	1 15.33	+ 9 5.7	1.155	2.133	6.5	19.8
11 7	1 7.78	+ 7 56.3	1.206	2.141	11.8	20.1
11 17	1 2.98	+ 7 4.7	1.280	2.150	16.3	20.4

482695 2013 CK_{124} 10 16.5 264°.27 3°.7/13.1 18

9 8	1 50.31	+ 1 56.3	1.884	2.721	14.2	21.4
9 18	1 46.55	+ 1 1.5	1.810	2.720	11.0	21.1
9 28	1 40.64	+ 0 0.2	1.758	2.719	7.5	20.9
10 8	1 33.20	− 1 1.9	1.732	2.718	4.3	20.7
10 18	1 25.01	− 1 58.2	1.734	2.717	4.3	20.7
10 28	1 17.07	− 2 42.2	1.763	2.716	7.4	20.9
11 7	1 10.30	− 3 9.5	1.818	2.715	10.9	21.1
11 17	1 5.38	− 3 17.8	1.896	2.714	14.1	21.4

2077 Kiangsu 10 16.5 333°.82 25°.9/24.6 18

9 8	2 10.03	−43 7.6	1.086	1.858	26.4	16.3
9 18	2 4.92	−44 33.1	1.038	1.828	26.0	16.2
9 28	1 54.51	−45 17.6	1.000	1.800	26.0	16.1
10 8	1 40.06	−45 2.0	0.973	1.773	26.3	16.0
10 18	1 23.84	−43 31.5	0.959	1.749	27.1	15.9
10 28	1 8.76	−40 41.7	0.958	1.726	28.4	15.9
11 7	0 57.14	−36 40.8	0.970	1.705	29.9	16.0
11 17	0 50.09	−31 45.5	0.996	1.688	31.6	16.1

221627 2006 YX_6 10 16.5 285°.29 0°.9/15.8 18

9 8	1 51.38	+10 9.7	1.517	2.349	17.3	20.9
9 18	1 48.24	+ 9 37.4	1.425	2.331	13.7	20.6
9 28	1 42.33	+ 8 48.8	1.353	2.313	9.3	20.3
10 8	1 34.21	+ 7 47.7	1.304	2.295	4.3	20.0
10 18	1 24.83	+ 6 40.0	1.281	2.276	1.5	19.7
10 28	1 15.51	+ 5 34.4	1.285	2.258	6.7	20.0
11 7	1 7.55	+ 4 39.6	1.314	2.240	11.8	20.3
11 17	1 1.97	+ 4 2.1	1.365	2.222	16.3	20.5

228101 2008 SP_{154} 10 16.5 27°.99 0°.6/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 43.21	+ 7 14.0	4.036	4.841	7.9	20.1
9 18	1 39.91	+ 6 55.4	3.951	4.843	6.1	20.0
9 28	1 35.65	+ 6 32.5	3.890	4.845	4.0	19.8
10 8	1 30.73	+ 6 7.1	3.858	4.848	1.8	19.7
10 18	1 25.49	+ 5 41.1	3.856	4.850	0.9	19.6
10 28	1 20.35	+ 5 16.9	3.885	4.853	2.9	19.8
11 7	1 15.69	+ 4 56.7	3.943	4.855	5.1	19.9
11 17	1 11.84	+ 4 42.2	4.028	4.858	7.0	20.1

329930 2005 NS_{123} 10 16.5 74°.81 1°.2/17.4 16

9 8	1 56.54	+14 26.2	1.465	2.277	18.8	21.1
9 18	1 51.79	+14 12.4	1.410	2.302	14.8	20.9
9 28	1 44.30	+13 41.1	1.376	2.326	10.2	20.7
10 8	1 34.90	+12 55.0	1.364	2.351	5.1	20.5
10 18	1 24.77	+11 59.5	1.379	2.375	1.2	20.3
10 28	1 15.26	+11 2.2	1.421	2.399	5.6	20.6
11 7	1 7.52	+10 11.0	1.490	2.422	10.1	20.9
11 17	1 2.28	+ 9 31.9	1.582	2.446	14.0	21.2

303628 2005 JO_{76} 10 16.5 69°.30 3°.3/20.1 16

9 8	1 50.70	+22 51.0	1.861	2.632	16.8	20.4
9 18	1 46.89	+22 22.8	1.794	2.653	13.7	20.3
9 28	1 40.85	+21 32.7	1.747	2.673	10.1	20.1
10 8	1 33.27	+20 22.3	1.724	2.694	6.3	19.9
10 18	1 25.07	+18 56.0	1.727	2.715	3.5	19.8
10 28	1 17.30	+17 21.2	1.759	2.735	4.8	19.9
11 7	1 10.88	+15 46.8	1.819	2.756	8.3	20.2
11 17	1 6.45	+14 20.7	1.905	2.776	11.7	20.4

444605 2006 UP_{248} 10 16.5 339°.46 0°.3/16.8 18

9 8	1 46.65	+12 58.6	1.582	2.411	16.8	20.9
9 18	1 44.31	+12 30.6	1.498	2.401	13.3	20.7
9 28	1 39.51	+11 45.4	1.434	2.392	9.2	20.4
10 8	1 32.82	+10 45.8	1.394	2.383	4.4	20.1
10 18	1 25.14	+ 9 37.6	1.379	2.375	0.7	19.8
10 28	1 17.63	+ 8 28.5	1.391	2.368	5.7	20.1
11 7	1 11.42	+ 7 27.1	1.429	2.362	10.4	20.4
11 17	1 7.34	+ 6 40.0	1.489	2.357	14.5	20.6

121199 1999 NC_{38} 10 16.5 98°.45 1°.9/18.1 18

9 8	1 56.25	+16 1.6	1.897	2.685	16.0	19.7
9 18	1 51.07	+15 58.9	1.832	2.707	12.7	19.5
9 28	1 43.61	+15 41.0	1.787	2.728	8.9	19.3
10 8	1 34.57	+15 9.5	1.767	2.749	4.9	19.1
10 18	1 24.86	+14 27.8	1.776	2.769	1.9	19.0
10 28	1 15.57	+13 41.1	1.813	2.789	4.7	19.2
11 7	1 7.68	+12 55.7	1.878	2.809	8.5	19.5
11 17	1 1.84	+12 17.2	1.969	2.828	11.9	19.7

173647 2001 FD_{171} 10 16.5 139°.23 4°.2/13.1 18

9 8	1 57.17	− 0 19.2	1.870	2.697	14.7	20.0
9 18	1 51.73	− 1 8.0	1.806	2.710	11.4	19.9
9 28	1 44.03	− 2 0.6	1.766	2.722	7.8	19.7
10 8	1 34.76	− 2 50.8	1.751	2.733	4.8	19.5
10 18	1 24.83	− 3 32.6	1.765	2.744	4.8	19.5
10 28	1 15.31	− 4 0.5	1.807	2.754	7.7	19.7
11 7	1 7.15	− 4 11.0	1.875	2.763	11.1	20.0
11 17	1 1.04	− 4 3.4	1.967	2.772	14.1	20.2

523289 2017 BJ_{48} 10 16.5 175°.47 4°.9/11.2 18

9 8	1 49.31	− 4 16.7	2.307	3.142	12.0	21.6
9 18	1 45.35	− 5 15.2	2.237	3.142	9.4	21.5
9 28	1 39.64	− 6 14.6	2.191	3.143	6.8	21.3
10 8	1 32.70	− 7 9.3	2.171	3.143	5.1	21.2
10 18	1 25.19	− 7 53.8	2.179	3.143	5.5	21.2
10 28	1 17.90	− 8 23.5	2.215	3.143	7.7	21.4
11 7	1 11.56	− 8 35.6	2.277	3.143	10.3	21.5
11 17	1 6.74	− 8 29.5	2.362	3.143	12.8	21.7

132392 2002 GP_{94} 10 16.5 59°.32 2°.6/18.3 18

9 8	1 58.86	+15 6.2	1.561	2.361	18.3	19.3
9 18	1 53.60	+15 39.7	1.501	2.383	14.6	19.1
9 28	1 45.56	+15 58.2	1.462	2.405	10.4	18.9
10 8	1 35.55	+16 1.6	1.446	2.427	5.8	18.7
10 18	1 24.71	+15 52.0	1.457	2.450	2.6	18.5
10 28	1 14.38	+15 33.8	1.495	2.472	5.4	18.8
11 7	1 5.78	+15 13.2	1.560	2.494	9.6	19.1
11 17	0 59.68	+14 56.2	1.649	2.517	13.4	19.4

429795 2012 HE_{55} 10 16.5 195°.64 3°.0/14.2 17

9 8	1 56.73	+ 3 27.5	1.792	2.617	15.3	22.2
9 18	1 51.73	+ 2 50.5	1.712	2.615	12.0	22.0
9 28	1 44.27	+ 2 6.0	1.654	2.612	8.1	21.7
10 8	1 34.99	+ 1 18.9	1.621	2.609	4.2	21.5
10 18	1 24.80	+ 0 35.3	1.617	2.605	3.5	21.5
10 28	1 14.85	+ 0 1.4	1.641	2.601	7.1	21.7
11 7	1 6.24	− 0 18.1	1.691	2.595	11.1	21.9
11 17	0 59.76	− 0 20.4	1.765	2.589	14.7	22.1

1935 Lucerna 10 16.5 348°.03 0°.5/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 41.31	+13 47.0	1.230	2.084	19.3	16.0
9 18	1 40.77	+12 47.6	1.154	2.072	15.2	15.7
9 28	1 37.43	+11 22.5	1.097	2.061	10.4	15.4
10 8	1 31.94	+ 9 37.1	1.061	2.053	4.8	15.1
10 18	1 25.32	+ 7 41.0	1.049	2.045	1.2	14.8
10 28	1 18.94	+ 5 47.4	1.062	2.039	7.0	15.2
11 7	1 14.07	+ 4 9.6	1.099	2.035	12.5	15.5
11 17	1 11.65	+ 2 56.6	1.156	2.032	17.2	15.8

249552 2010 JQ_{84} 10 16.5 135°.05 3°.2/13.6 18

9 8	1 52.82	+ 2 12.5	1.973	2.802	14.0	21.2
9 18	1 48.34	+ 1 28.7	1.903	2.808	10.8	21.0
9 28	1 41.78	+ 0 39.3	1.856	2.815	7.3	20.8
10 8	1 33.74	− 0 10.7	1.835	2.821	4.0	20.6
10 18	1 25.04	− 0 55.5	1.841	2.827	3.7	20.6
10 28	1 16.64	− 1 29.8	1.877	2.832	6.8	20.8
11 7	1 9.42	− 1 49.4	1.939	2.837	10.2	21.1
11 17	1 4.04	− 1 52.5	2.025	2.842	13.3	21.3

318298 2004 TF_{72} 10 16.5 306°.30 0°.7/15.7 18

9 8	1 46.99	+10 45.2	2.106	2.923	13.6	20.4
9 18	1 43.88	+ 9 57.0	2.017	2.915	10.7	20.2
9 28	1 38.85	+ 8 55.7	1.950	2.907	7.1	20.0
10 8	1 32.41	+ 7 45.1	1.909	2.899	3.3	19.7
10 18	1 25.26	+ 6 30.3	1.896	2.891	1.2	19.6
10 28	1 18.25	+ 5 18.1	1.912	2.884	5.1	19.8
11 7	1 12.22	+ 4 14.9	1.956	2.876	8.9	20.1
11 17	1 7.82	+ 3 25.5	2.024	2.869	12.3	20.3

73594 2014 T_{-2} 10 16.5 255°.62 0°.6/17.0 18

9 8	1 52.53	+13 56.6	1.502	2.321	18.1	19.4
9 18	1 49.12	+13 29.7	1.416	2.313	14.4	19.2
9 28	1 42.89	+12 43.7	1.351	2.305	10.0	18.9
10 8	1 34.48	+11 41.1	1.308	2.296	4.9	18.6
10 18	1 24.90	+10 27.3	1.291	2.287	0.8	18.3
10 28	1 15.49	+ 9 11.1	1.302	2.279	6.0	18.6
11 7	1 7.57	+ 8 1.9	1.337	2.270	11.1	18.9
11 17	1 2.09	+ 7 7.4	1.396	2.260	15.5	19.1

36901 2000 SK_{177} 10 16.5 147°.48 2°.7/18.8 18

9 8	1 57.67	+18 14.0	1.772	2.554	17.2	18.7
9 18	1 52.57	+18 14.4	1.694	2.563	13.9	18.5
9 28	1 44.88	+17 56.9	1.637	2.572	10.0	18.3
10 8	1 35.28	+17 22.1	1.603	2.581	5.8	18.0
10 18	1 24.78	+16 32.7	1.597	2.589	2.7	17.9
10 28	1 14.61	+15 34.7	1.619	2.596	5.2	18.0
11 7	1 5.91	+14 35.8	1.669	2.602	9.2	18.3
11 17	0 59.50	+13 43.1	1.744	2.607	13.0	18.6

176254 2001 QE_{294} 10 16.5 342°.15 6°.6/10.2 18

9 8	1 46.03	− 2 38.2	1.573	2.434	15.4	19.4
9 18	1 43.69	− 4 15.1	1.505	2.426	12.1	19.1
9 28	1 38.99	− 5 57.4	1.459	2.419	8.8	18.9
10 8	1 32.55	− 7 35.6	1.438	2.413	6.7	18.8
10 18	1 25.25	− 8 59.5	1.442	2.407	7.6	18.8
10 28	1 18.20	−10 0.3	1.471	2.402	10.6	19.0
11 7	1 12.43	−10 33.1	1.523	2.397	14.0	19.2
11 17	1 8.69	−10 36.9	1.596	2.394	17.2	19.4

485913 2012 GX_{12} 10 16.5 59°.67 0°.2/16.3 18

9 8	1 53.44	+ 8 24.0	2.327	3.132	12.9	20.8
9 18	1 48.59	+ 8 30.8	2.246	3.136	10.1	20.6
9 28	1 41.86	+ 8 30.6	2.188	3.141	6.8	20.4
10 8	1 33.78	+ 8 25.1	2.157	3.146	3.2	20.2
10 18	1 25.05	+ 8 17.0	2.154	3.150	0.7	20.0
10 28	1 16.52	+ 8 9.3	2.182	3.155	4.4	20.3
11 7	1 8.99	+ 8 5.3	2.238	3.160	7.8	20.5
11 17	1 3.08	+ 8 7.8	2.320	3.165	10.9	20.7

42502 1993 CS_{1} 10 16.5 276°.59 0°.2/16.4 18

9 8	1 52.44	+10 37.5	1.824	2.640	15.5	18.7
9 18	1 48.62	+10 21.8	1.726	2.623	12.3	18.4
9 28	1 42.37	+ 9 53.4	1.650	2.605	8.4	18.1
10 8	1 34.21	+ 9 14.6	1.597	2.587	4.0	17.8
10 18	1 24.97	+ 8 29.6	1.572	2.568	0.8	17.6
10 28	1 15.76	+ 7 44.4	1.575	2.550	5.5	17.9
11 7	1 7.71	+ 7 5.4	1.605	2.531	10.0	18.1
11 17	1 1.68	+ 6 37.9	1.659	2.513	14.0	18.3

512310 2016 JP_{8} 10 16.5 91°.52 2°.2/14.9 17

9 8	1 56.53	+ 7 20.5	1.364	2.200	18.7	21.6
9 18	1 51.98	+ 6 36.3	1.309	2.218	14.4	21.4
9 28	1 44.56	+ 5 39.4	1.273	2.235	9.6	21.2
10 8	1 35.11	+ 4 35.9	1.261	2.252	4.5	21.0
10 18	1 24.85	+ 3 33.5	1.276	2.269	2.8	20.9
10 28	1 15.19	+ 2 41.0	1.317	2.285	7.3	21.2
11 7	1 7.35	+ 2 4.7	1.383	2.301	12.0	21.5
11 17	1 2.10	+ 1 48.1	1.471	2.317	15.9	21.8

189093 2001 QL_{164} 10 16.5 12°.53 2°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 49.65	+ 5 31.0	1.035	1.906	20.8	18.9
9 18	1 47.54	+ 5 19.8	0.982	1.910	16.2	18.6
9 28	1 42.07	+ 4 57.2	0.946	1.915	10.8	18.4
10 8	1 34.11	+ 4 29.0	0.931	1.923	5.1	18.1
10 18	1 25.01	+ 4 2.4	0.938	1.931	3.0	18.0
10 28	1 16.46	+ 3 45.3	0.968	1.942	8.2	18.3
11 7	1 9.92	+ 3 43.8	1.020	1.954	13.5	18.7
11 17	1 6.33	+ 4 0.6	1.092	1.967	18.1	19.0

325550 2009 SN_{75} 10 16.5 357°.75 2°.8/14.2 18

9 8	1 51.61	+ 1 56.2	2.072	2.901	13.4	20.5
9 18	1 47.39	+ 1 37.4	1.995	2.900	10.4	20.3
9 28	1 41.16	+ 1 14.4	1.940	2.899	7.0	20.1
10 8	1 33.49	+ 0 51.1	1.911	2.899	3.7	19.9
10 18	1 25.12	+ 0 31.9	1.911	2.899	3.2	19.8
10 28	1 16.97	+ 0 20.8	1.938	2.899	6.2	20.0
11 7	1 9.90	+ 0 21.2	1.993	2.899	9.6	20.2
11 17	1 4.56	+ 0 34.6	2.072	2.900	12.7	20.4

473573 2015 XC_{224} 10 16.5 38°.73 4°.7/12.2 18

9 8	1 50.40	− 3 3.9	2.017	2.856	13.4	20.8
9 18	1 46.38	− 3 47.9	1.955	2.864	10.4	20.6
9 28	1 40.42	− 4 32.9	1.917	2.873	7.3	20.4
10 8	1 33.10	− 5 13.2	1.904	2.881	5.0	20.3
10 18	1 25.20	− 5 43.6	1.918	2.891	5.3	20.4
10 28	1 17.61	− 5 59.4	1.960	2.900	7.7	20.5
11 7	1 11.16	− 5 58.3	2.027	2.910	10.7	20.7
11 17	1 6.43	− 5 39.8	2.118	2.920	13.4	20.9

288495 2004 FT_{51} 10 16.5 128°.86 2°.9/19.3 18

9 8	1 55.65	+18 49.9	2.361	3.123	13.9	21.0
9 18	1 50.36	+19 7.6	2.280	3.136	11.3	20.9
9 28	1 43.08	+19 12.1	2.221	3.147	8.3	20.7
10 8	1 34.37	+19 3.3	2.187	3.159	5.1	20.5
10 18	1 24.97	+18 42.5	2.182	3.170	2.9	20.4
10 28	1 15.81	+18 13.1	2.207	3.180	4.3	20.5
11 7	1 7.72	+17 39.8	2.261	3.191	7.3	20.7
11 17	1 1.37	+17 7.5	2.342	3.200	10.3	20.9

351025 2003 SW_{41} 10 16.5 18°.57 8°.9/21.2 18

9 8	1 57.72	+22 42.4	1.155	1.956	23.4	19.2
9 18	1 54.14	+24 42.9	1.099	1.967	19.8	19.0
9 28	1 46.78	+26 21.8	1.059	1.980	15.7	18.8
10 8	1 36.45	+27 32.3	1.040	1.995	11.7	18.6
10 18	1 24.60	+28 9.7	1.042	2.011	9.1	18.5
10 28	1 13.18	+28 15.7	1.067	2.029	9.7	18.6
11 7	1 4.00	+27 58.5	1.115	2.048	12.7	18.8
11 17	0 58.25	+27 29.3	1.184	2.069	16.2	19.1

488330 2016 UJ_{147} 10 16.5 343°.16 6°.7/20.2 18

9 8	1 57.50	+21 2.1	1.459	2.246	20.0	20.2
9 18	1 53.52	+22 27.1	1.375	2.239	16.8	19.9
9 28	1 46.25	+23 36.3	1.309	2.232	13.1	19.7
10 8	1 36.26	+24 25.2	1.264	2.226	9.3	19.5
10 18	1 24.65	+24 50.4	1.244	2.221	6.8	19.3
10 28	1 13.04	+24 52.9	1.250	2.217	7.9	19.4
11 7	1 3.07	+24 38.7	1.280	2.213	11.4	19.6
11 17	0 55.95	+24 16.1	1.333	2.210	15.3	19.8

340263 2006 BX_{157} 10 16.5 26°.45 5°.2/12.3 18

9 8	1 48.49	+ 1 31.0	1.376	2.236	17.2	19.9
9 18	1 45.78	+ 0 10.3	1.320	2.243	13.3	19.6
9 28	1 40.45	− 1 18.7	1.285	2.250	9.1	19.4
10 8	1 33.24	− 2 46.7	1.273	2.258	5.7	19.2
10 18	1 25.21	− 4 3.7	1.287	2.267	6.0	19.3
10 28	1 17.62	− 5 0.7	1.326	2.276	9.5	19.5
11 7	1 11.57	− 5 32.3	1.388	2.286	13.5	19.8
11 17	1 7.82	− 5 37.3	1.470	2.296	17.0	20.0

468786 2012 BR_{58} 10 16.5 344°.58 2°.6/12.0 18

9 8	1 42.85	− 2 31.9	3.981	4.805	7.6	20.9
9 18	1 39.68	− 3 6.9	3.901	4.803	5.9	20.7
9 28	1 35.55	− 3 42.7	3.848	4.801	4.1	20.6
10 8	1 30.76	− 4 16.5	3.823	4.800	2.8	20.5
10 18	1 25.66	− 4 45.9	3.827	4.798	3.0	20.5
10 28	1 20.64	− 5 8.3	3.861	4.797	4.4	20.6
11 7	1 16.11	− 5 22.0	3.923	4.795	6.2	20.8
11 17	1 12.40	− 5 25.8	4.010	4.794	7.9	20.9

225137 2008 FW_{94} 10 16.5 113°.20 2°.5/14.7 17

9 8	1 56.45	+ 4 43.1	1.630	2.460	16.4	20.5
9 18	1 51.59	+ 4 14.5	1.565	2.470	12.7	20.3
9 28	1 44.19	+ 3 37.7	1.521	2.480	8.5	20.1
10 8	1 34.97	+ 2 57.6	1.501	2.491	4.2	19.8
10 18	1 24.94	+ 2 20.0	1.509	2.500	3.0	19.8
10 28	1 15.33	+ 1 51.1	1.545	2.510	6.9	20.1
11 7	1 7.24	+ 1 35.6	1.606	2.519	11.0	20.3
11 17	1 1.41	+ 1 36.0	1.691	2.528	14.6	20.6

346490 2008 UD_{60} 10 16.5 57°.28 3°.5/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 51.60	+21 7.1	1.528	2.321	19.0	21.0
9 18	1 48.13	+20 53.6	1.464	2.338	15.4	20.8
9 28	1 42.00	+20 16.6	1.419	2.354	11.3	20.6
10 8	1 33.97	+19 17.3	1.396	2.371	6.9	20.4
10 18	1 25.12	+18 0.4	1.398	2.388	3.6	20.3
10 28	1 16.74	+16 34.0	1.428	2.406	5.5	20.4
11 7	1 9.96	+15 8.3	1.483	2.423	9.5	20.7
11 17	1 5.53	+13 52.0	1.563	2.440	13.4	21.0

451968 2014 NP_{21} 10 16.5 7°.17 4°.2/21.2 17

9 8	1 46.32	+25 13.1	1.883	2.650	16.8	20.4
9 18	1 43.75	+24 50.2	1.798	2.650	14.0	20.2
9 28	1 38.96	+24 3.4	1.733	2.652	10.7	20.0
10 8	1 32.55	+22 53.0	1.690	2.654	7.1	19.8
10 18	1 25.36	+21 22.4	1.673	2.656	4.4	19.6
10 28	1 18.41	+19 38.6	1.684	2.659	5.2	19.7
11 7	1 12.68	+17 51.1	1.722	2.662	8.4	19.9
11 17	1 8.86	+16 9.1	1.787	2.666	11.9	20.1

472453 2015 BR_{354} 10 16.6 149°.97 1°.0/17.5 16

9 8	1 55.65	+14 37.4	1.894	2.688	15.8	22.3
9 18	1 50.77	+14 17.7	1.816	2.697	12.5	22.1
9 28	1 43.57	+13 42.8	1.759	2.705	8.7	21.9
10 8	1 34.68	+12 54.8	1.728	2.713	4.4	21.6
10 18	1 25.01	+11 57.9	1.725	2.720	1.1	21.4
10 28	1 15.65	+10 58.2	1.750	2.727	4.9	21.7
11 7	1 7.60	+10 2.6	1.804	2.732	9.0	22.0
11 17	1 1.60	+ 9 16.9	1.883	2.737	12.6	22.2

448790 2011 SX_{168} 10 16.6 341°.01 0°.1/16.7 18

9 8	1 47.73	+12 48.9	1.612	2.439	16.7	20.9
9 18	1 45.11	+12 16.2	1.531	2.433	13.2	20.6
9 28	1 40.04	+11 26.4	1.470	2.427	9.0	20.4
10 8	1 33.13	+10 22.8	1.432	2.421	4.3	20.1
10 18	1 25.27	+ 9 11.2	1.420	2.417	0.7	19.8
10 28	1 17.61	+ 7 59.6	1.436	2.412	5.6	20.2
11 7	1 11.25	+ 6 56.4	1.477	2.409	10.3	20.4
11 17	1 7.01	+ 6 8.0	1.541	2.406	14.3	20.7

72540 2001 DE_{104} 10 16.6 113°.49 0°.6/15.9 18

9 8	1 49.84	+ 9 30.1	2.514	3.319	12.0	20.2
9 18	1 45.62	+ 9 0.1	2.439	3.331	9.3	20.1
9 28	1 39.77	+ 8 21.3	2.389	3.343	6.2	19.9
10 8	1 32.80	+ 7 36.7	2.365	3.354	2.8	19.7
10 18	1 25.34	+ 6 50.1	2.371	3.366	0.9	19.6
10 28	1 18.11	+ 6 5.9	2.406	3.377	4.2	19.8
11 7	1 11.78	+ 5 28.3	2.471	3.388	7.4	20.1
11 17	1 6.88	+ 5 0.4	2.561	3.399	10.2	20.3

187325 2005 UL_{73} 10 16.6 85°.76 3°.7/13.4 18

9 8	1 53.82	− 1 20.6	2.126	2.953	13.2	20.4
9 18	1 49.00	− 1 44.2	2.053	2.957	10.3	20.2
9 28	1 42.20	− 2 9.5	2.005	2.961	7.1	20.0
10 8	1 33.99	− 2 32.1	1.982	2.964	4.3	19.8
10 18	1 25.14	− 2 47.6	1.988	2.968	4.2	19.8
10 28	1 16.57	− 2 52.0	2.022	2.972	6.8	20.0
11 7	1 9.10	− 2 43.0	2.083	2.976	9.9	20.2
11 17	1 3.38	− 2 19.9	2.169	2.979	12.8	20.4

259160 2002 XJ_{118} 10 16.6 27°.08 4°.0/13.0 18

9 8	1 50.84	+ 0 52.4	1.857	2.695	14.3	20.6
9 18	1 47.01	+ 0 1.9	1.786	2.696	11.1	20.4
9 28	1 41.03	− 0 53.8	1.737	2.697	7.6	20.2
10 8	1 33.49	− 1 49.0	1.714	2.699	4.5	20.0
10 18	1 25.23	− 2 37.3	1.718	2.700	4.5	20.0
10 28	1 17.23	− 3 12.6	1.750	2.701	7.5	20.2
11 7	1 10.43	− 3 30.8	1.807	2.703	11.0	20.4
11 17	1 5.51	− 3 30.3	1.888	2.704	14.2	20.6

451524 2011 VA_{16} 10 16.6 50°.25 0°.8/15.9 18

9 8	1 52.34	+ 8 44.2	1.744	2.568	15.7	21.0
9 18	1 48.31	+ 8 27.5	1.675	2.577	12.3	20.8
9 28	1 41.96	+ 8 0.1	1.628	2.586	8.2	20.6
10 8	1 33.94	+ 7 25.5	1.605	2.595	3.8	20.4
10 18	1 25.16	+ 6 48.3	1.609	2.605	1.2	20.2
10 28	1 16.72	+ 6 14.3	1.642	2.615	5.6	20.5
11 7	1 9.61	+ 5 48.7	1.700	2.625	9.7	20.8
11 17	1 4.54	+ 5 35.3	1.783	2.635	13.3	21.0

481895 2009 AF_{42} 10 16.6 236°.08 0°.4/16.9 18

9 8	1 51.45	+12 56.8	2.017	2.821	14.6	22.5
9 18	1 47.52	+12 31.3	1.925	2.813	11.6	22.3
9 28	1 41.44	+11 51.8	1.854	2.805	8.0	22.0
10 8	1 33.73	+11 0.8	1.809	2.797	3.9	21.8
10 18	1 25.18	+10 2.5	1.792	2.788	0.6	21.5
10 28	1 16.77	+ 9 2.8	1.804	2.780	4.8	21.8
11 7	1 9.44	+ 8 8.2	1.844	2.770	8.9	22.0
11 17	1 3.93	+ 7 24.0	1.908	2.761	12.5	22.3

399547 2003 QT_{24} 10 16.6 1.°71 0.°1/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 43.44	+12 38.4	1.519	2.358	17.0	19.9
9 18	1 41.83	+11 59.7	1.447	2.356	13.3	19.6
9 28	1 37.84	+11 3.1	1.394	2.355	9.0	19.4
10 8	1 32.09	+ 9 53.0	1.365	2.356	4.3	19.1
10 18	1 25.48	+ 8 36.0	1.362	2.358	0.8	18.9
10 28	1 19.13	+ 7 20.9	1.384	2.361	5.7	19.2
11 7	1 14.09	+ 6 16.1	1.432	2.366	10.3	19.5
11 17	1 11.10	+ 5 27.9	1.502	2.372	14.3	19.8

204781 2006 KX_{64} 10 16.6 205.°53 2.°4/18.9 18

9 8	1 52.30	+18 54.0	2.165	2.940	14.7	20.6
9 18	1 48.08	+18 40.8	2.071	2.936	11.9	20.4
9 28	1 41.76	+18 11.1	1.998	2.931	8.6	20.2
10 8	1 33.88	+17 25.9	1.950	2.926	5.1	20.0
10 18	1 25.19	+16 27.7	1.930	2.921	2.4	19.8
10 28	1 16.64	+15 21.9	1.939	2.916	4.4	20.0
11 7	1 9.17	+14 14.9	1.977	2.909	8.0	20.2
11 17	1 3.47	+13 13.4	2.041	2.903	11.4	20.4

159076 2004 TT_{205} 10 16.6 284.°30 2.°2/14.5 18

9 8	1 51.73	+ 3 13.9	2.260	3.082	12.7	20.2
9 18	1 47.39	+ 2 55.6	2.174	3.076	9.8	20.0
9 28	1 41.17	+ 2 32.5	2.111	3.069	6.6	19.8
10 8	1 33.56	+ 2 7.8	2.075	3.063	3.4	19.5
10 18	1 25.25	+ 1 45.6	2.067	3.057	2.6	19.5
10 28	1 17.09	+ 1 29.8	2.089	3.051	5.6	19.7
11 7	1 9.90	+ 1 23.8	2.138	3.045	9.0	19.9
11 17	1 4.31	+ 1 29.7	2.212	3.039	12.0	20.1

315952 2008 TO_{148} 10 16.6 345.°36 0.°6/15.5 15

9 8	1 43.24	+ 7 17.7	4.119	4.922	7.7	20.9
9 18	1 39.98	+ 7 0.1	4.029	4.921	6.0	20.8
9 28	1 35.77	+ 6 38.1	3.965	4.919	4.0	20.6
10 8	1 30.90	+ 6 13.6	3.929	4.918	1.8	20.5
10 18	1 25.71	+ 5 48.5	3.923	4.917	0.8	20.4
10 28	1 20.60	+ 5 25.1	3.947	4.916	2.9	20.5
11 7	1 15.95	+ 5 5.4	4.001	4.915	5.0	20.7
11 17	1 12.10	+ 4 51.3	4.083	4.914	6.9	20.8

28415 Yingxiong 10 16.6 234.°10 1.°3/17.8 18

9 8	1 51.03	+15 44.8	2.032	2.827	14.9	19.8
9 18	1 47.21	+15 21.2	1.939	2.820	11.9	19.6
9 28	1 41.24	+14 41.7	1.868	2.813	8.3	19.4
10 8	1 33.66	+13 48.1	1.821	2.805	4.4	19.1
10 18	1 25.23	+12 44.4	1.802	2.797	1.3	18.9
10 28	1 16.95	+11 36.4	1.812	2.789	4.6	19.1
11 7	1 9.75	+10 31.1	1.850	2.781	8.6	19.3
11 17	1 4.38	+ 9 34.7	1.914	2.772	12.2	19.6

149281 2002 TB_{135} 10 16.6 7.°94 5.°1/19.8 18

9 8	1 51.57	+19 28.6	1.169	1.992	22.0	19.0
9 18	1 49.17	+20 12.2	1.102	1.992	18.1	18.7
9 28	1 43.37	+20 33.1	1.052	1.994	13.6	18.5
10 8	1 34.90	+20 29.2	1.021	1.996	8.7	18.2
10 18	1 25.02	+20 1.5	1.012	2.000	5.2	18.1
10 28	1 15.47	+19 16.2	1.027	2.005	7.1	18.2
11 7	1 7.87	+18 23.6	1.066	2.011	11.7	18.5
11 17	1 3.29	+17 33.9	1.125	2.018	16.2	18.8

518719 2009 DX_{56} 10 16.6 278.°82 5.°9/10.4 18

9 8	1 49.10	− 2 15.3	1.889	2.734	13.9	21.6
9 18	1 45.86	− 3 48.2	1.802	2.714	10.9	21.3
9 28	1 40.42	− 5 27.9	1.737	2.693	7.9	21.1
10 8	1 33.31	− 7 6.3	1.698	2.672	6.0	21.0
10 18	1 25.29	− 8 34.4	1.687	2.652	6.8	21.0
10 28	1 17.35	− 9 44.0	1.703	2.631	9.6	21.1
11 7	1 10.47	−10 29.3	1.743	2.609	13.0	21.3
11 17	1 5.42	−10 48.2	1.805	2.588	16.1	21.4

308327 2005 NV_{17} 10 16.6 92.°00 8.°2/ 8.4 18

9 8	1 51.86	−12 41.2	2.017	2.852	13.5	20.8
9 18	1 47.51	−14 4.7	1.970	2.864	11.1	20.6
9 28	1 41.18	−15 22.0	1.947	2.877	9.0	20.5
10 8	1 33.50	−16 25.3	1.949	2.889	8.2	20.5
10 18	1 25.29	−17 8.1	1.977	2.901	8.9	20.6
10 28	1 17.46	−17 26.2	2.030	2.913	10.8	20.7
11 7	1 10.84	−17 18.8	2.107	2.925	12.9	20.9
11 17	1 6.01	−16 47.8	2.205	2.937	15.0	21.1

482437 2012 DC_{4} 10 16.6 211.°69 2.°0/14.1 17

9 8	1 50.23	+ 3 22.7	2.906	3.718	10.4	22.5
9 18	1 45.79	+ 2 49.3	2.814	3.711	8.1	22.4
9 28	1 39.88	+ 2 11.1	2.747	3.703	5.4	22.2
10 8	1 32.90	+ 1 31.3	2.708	3.695	2.8	22.0
10 18	1 25.38	+ 0 53.5	2.699	3.686	2.4	22.0
10 28	1 17.98	+ 0 21.5	2.720	3.677	4.8	22.1
11 7	1 11.30	− 0 1.8	2.770	3.668	7.6	22.3
11 17	1 5.85	− 0 14.0	2.847	3.658	10.0	22.4

397800 2008 PX_{9} 10 16.6 36.°27 6.°6/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.29	+29 57.0	2.025	2.751	17.0	20.3
9 18	1 46.79	+30 24.4	1.949	2.763	14.6	20.2
9 28	1 41.00	+30 29.6	1.892	2.776	11.8	20.0
10 8	1 33.53	+30 10.8	1.856	2.789	9.0	19.9
10 18	1 25.27	+29 28.5	1.845	2.803	7.0	19.8
10 28	1 17.29	+28 26.5	1.861	2.816	6.8	19.8
11 7	1 10.58	+27 12.1	1.903	2.831	8.6	19.9
11 17	1 5.86	+25 53.3	1.970	2.845	11.2	20.1

142905 2002 VJ_{50} 10 16.6 321.°42 2.°9/14.6 18

9 8	1 48.56	+ 6 7.7	1.243	2.102	18.7	19.2
9 18	1 46.61	+ 5 30.8	1.159	2.082	14.8	18.9
9 28	1 41.60	+ 4 39.3	1.095	2.062	10.0	18.6
10 8	1 34.09	+ 3 39.0	1.052	2.043	4.9	18.3
10 18	1 25.15	+ 2 38.1	1.033	2.025	3.5	18.1
10 28	1 16.28	+ 1 46.8	1.038	2.008	8.5	18.4
11 7	1 8.98	+ 1 13.7	1.066	1.992	13.9	18.6
11 17	1 4.36	+ 1 3.8	1.114	1.977	18.7	18.9

145598 2006 QZ_{6} 10 16.6 83.°46 3.°8/13.7 17

9 8	1 54.73	+ 4 14.9	1.397	2.241	17.9	20.4
9 18	1 50.50	+ 3 8.1	1.345	2.259	13.8	20.2
9 28	1 43.54	+ 1 51.4	1.314	2.277	9.2	20.0
10 8	1 34.69	+ 0 32.8	1.307	2.295	4.9	19.8
10 18	1 25.11	− 0 38.7	1.326	2.313	4.5	19.8
10 28	1 16.11	− 1 34.5	1.372	2.331	8.3	20.1
11 7	1 8.84	− 2 9.1	1.442	2.348	12.5	20.4
11 17	1 4.00	− 2 20.6	1.534	2.365	16.1	20.7

325611 2009 SG_{230} 10 16.6 358.°07 3.°8/13.6 18

9 8	1 50.35	+ 0 23.9	1.771	2.614	14.7	20.0
9 18	1 46.79	− 0 2.9	1.699	2.611	11.5	19.7
9 28	1 40.98	− 0 33.7	1.648	2.610	7.8	19.5
10 8	1 33.52	− 1 3.1	1.623	2.608	4.5	19.3
10 18	1 25.29	− 1 25.9	1.623	2.608	4.2	19.3
10 28	1 17.30	− 1 37.0	1.651	2.608	7.4	19.5
11 7	1 10.55	− 1 33.0	1.705	2.609	11.0	19.7
11 17	1 5.74	− 1 12.7	1.781	2.611	14.3	19.9

514959 2009 BC_{50} 10 16.6 268.°33 0.°2/16.7 18

9 8	1 51.95	+11 45.6	1.933	2.743	15.0	22.2
9 18	1 48.10	+11 28.2	1.836	2.728	11.9	21.9
9 28	1 41.97	+10 57.9	1.760	2.713	8.1	21.7
10 8	1 34.06	+10 16.7	1.710	2.698	3.9	21.4
10 18	1 25.18	+ 9 28.5	1.687	2.683	0.6	21.1
10 28	1 16.37	+ 8 39.2	1.692	2.667	5.1	21.4
11 7	1 8.65	+ 7 54.9	1.725	2.651	9.4	21.6
11 17	1 2.84	+ 7 21.1	1.782	2.636	13.2	21.8

207318 2005 GW_{103} 10 16.6 181.°29 6.°7/ 9.9 18

9 8	1 53.34	− 9 32.1	2.194	3.023	12.7	20.6
9 18	1 48.61	−10 36.7	2.128	3.024	10.3	20.4
9 28	1 41.94	−11 38.4	2.085	3.024	8.0	20.3
10 8	1 33.90	−12 30.6	2.069	3.024	6.7	20.2
10 18	1 25.24	−13 7.4	2.081	3.024	7.3	20.2
10 28	1 16.85	−13 24.2	2.119	3.023	9.3	20.4
11 7	1 9.54	−13 19.3	2.183	3.022	11.8	20.5
11 17	1 3.94	−12 53.5	2.268	3.020	14.1	20.7

268227 2005 ED_{30} 10 16.6 266.°72 1.°2/15.2 17

9 8	1 47.96	+ 7 48.8	2.530	3.343	11.7	21.5
9 18	1 44.34	+ 7 10.9	2.434	3.331	9.1	21.3
9 28	1 39.07	+ 6 24.3	2.361	3.318	6.1	21.0
10 8	1 32.58	+ 5 32.1	2.315	3.305	2.8	20.8
10 18	1 25.45	+ 4 38.4	2.298	3.291	1.6	20.7
10 28	1 18.41	+ 3 48.2	2.311	3.278	4.7	20.9
11 7	1 12.16	+ 3 5.8	2.352	3.265	8.0	21.1
11 17	1 7.29	+ 2 34.9	2.419	3.251	10.9	21.3

405348 2003 UE_{415} 10 16.6 16.°57 4.°0/21.0 17

9 8	1 46.59	+24 33.6	1.945	2.712	16.4	20.6
9 18	1 43.87	+24 13.7	1.863	2.716	13.6	20.4
9 28	1 39.01	+23 31.4	1.800	2.720	10.3	20.2
10 8	1 32.60	+22 27.3	1.761	2.725	6.8	20.0
10 18	1 25.45	+21 4.6	1.748	2.731	4.2	19.9
10 28	1 18.56	+19 29.9	1.762	2.737	5.0	19.9
11 7	1 12.85	+17 51.8	1.804	2.744	8.1	20.1
11 17	1 8.98	+16 18.8	1.872	2.751	11.5	20.4

274404 2008 RT_{128} 10 16.6 178.°47 0.°9/18.2 18

9 8	1 42.79	+15 22.6	4.611	5.381	7.5	21.2
9 18	1 39.57	+15 11.7	4.515	5.381	5.9	21.1
9 28	1 35.47	+14 54.3	4.444	5.381	4.2	21.0
10 8	1 30.77	+14 31.3	4.401	5.382	2.3	20.8
10 18	1 25.77	+14 4.4	4.388	5.382	0.9	20.7
10 28	1 20.85	+13 35.2	4.406	5.382	2.2	20.8
11 7	1 16.34	+13 6.1	4.453	5.382	4.1	21.0
11 17	1 12.55	+12 39.2	4.530	5.381	5.8	21.1

319292 2006 BX_{90} 10 16.6 201°.42 3°.5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 47.82	+ 0 45.1	2.406	3.236	11.7	20.9
9 18	1 44.21	− 0 17.9	2.329	3.235	9.1	20.7
9 28	1 38.94	− 1 25.8	2.276	3.234	6.2	20.5
10 8	1 32.49	− 2 33.2	2.251	3.233	3.9	20.4
10 18	1 25.49	− 3 35.0	2.254	3.232	4.1	20.4
10 28	1 18.66	− 4 25.6	2.287	3.231	6.5	20.5
11 7	1 12.71	− 5 1.2	2.346	3.230	9.3	20.7
11 17	1 8.18	− 5 20.1	2.429	3.228	11.9	20.9

202824 2008 SX_{107} 10 16.6 347°.54 1°.1/18.5 18

9 8	1 42.55	+16 37.8	4.010	4.781	8.5	19.8
9 18	1 39.54	+16 20.2	3.914	4.779	6.8	19.7
9 28	1 35.53	+15 54.4	3.842	4.777	4.8	19.5
10 8	1 30.83	+15 21.6	3.797	4.776	2.7	19.4
10 18	1 25.78	+14 43.6	3.781	4.774	1.1	19.2
10 28	1 20.81	+14 2.7	3.796	4.773	2.5	19.4
11 7	1 16.33	+13 21.9	3.841	4.771	4.6	19.5
11 17	1 12.68	+12 43.8	3.914	4.770	6.6	19.7

144971 2005 EY_{108} 10 16.6 114°.79 1°.1/17.5 18

9 8	1 55.02	+15 32.3	1.626	2.430	17.6	20.2
9 18	1 50.59	+15 0.3	1.558	2.444	13.9	20.0
9 28	1 43.59	+14 9.7	1.511	2.459	9.6	19.8
10 8	1 34.76	+13 3.4	1.487	2.473	4.9	19.5
10 18	1 25.13	+11 47.2	1.490	2.486	1.1	19.3
10 28	1 15.94	+10 29.2	1.522	2.499	5.3	19.6
11 7	1 8.28	+ 9 17.9	1.580	2.511	9.8	19.9
11 17	1 2.91	+ 8 20.2	1.663	2.523	13.7	20.2

219114 1998 SM_{86} 10 16.6 21°.52 1°.5/17.5 18

9 8	1 49.99	+13 6.9	1.006	1.862	22.4	19.7
9 18	1 47.95	+13 16.8	0.956	1.873	17.7	19.5
9 28	1 42.44	+13 6.3	0.923	1.885	12.3	19.2
10 8	1 34.39	+12 38.0	0.909	1.898	6.2	19.0
10 18	1 25.20	+11 57.5	0.918	1.914	1.5	18.7
10 28	1 16.64	+11 13.9	0.950	1.930	6.7	19.1
11 7	1 10.20	+10 36.8	1.003	1.948	12.3	19.5
11 17	1 6.79	+10 13.2	1.078	1.968	17.0	19.8

158 Koronis 10 16.6 321°.62 0°.6/17.1 18 R

9 8	1 50.11	+12 50.2	1.956	2.765	14.8	13.8
9 18	1 46.53	+12 33.8	1.870	2.761	11.7	13.6
9 28	1 40.81	+12 4.2	1.806	2.757	8.1	13.3
10 8	1 33.48	+11 23.5	1.766	2.754	4.0	13.1
10 18	1 25.34	+10 35.6	1.754	2.750	0.7	12.8
10 28	1 17.38	+ 9 46.2	1.770	2.747	4.8	13.1
11 7	1 10.52	+ 9 1.2	1.814	2.744	8.8	13.4
11 17	1 5.50	+ 8 25.7	1.882	2.741	12.4	13.6

303183 2004 FZ_{75} 10 16.6 303°.29 0°.9/17.4 18

9 8	1 51.38	+13 26.1	1.909	2.715	15.3	21.0
9 18	1 47.62	+13 18.6	1.822	2.710	12.1	20.8
9 28	1 41.60	+12 57.5	1.756	2.705	8.4	20.6
10 8	1 33.89	+12 24.7	1.715	2.701	4.3	20.3
10 18	1 25.30	+11 43.6	1.701	2.696	1.0	20.1
10 28	1 16.87	+10 59.4	1.715	2.692	4.8	20.3
11 7	1 9.60	+10 18.3	1.756	2.688	8.9	20.6
11 17	1 4.24	+ 9 45.5	1.822	2.683	12.6	20.8

91580 1999 SS_{15} 10 16.6 348°.35 2°.3/18.9 18

9 8	1 47.22	+18 50.6	1.901	2.695	15.7	19.2
9 18	1 44.42	+18 29.3	1.814	2.691	12.7	19.0
9 28	1 39.45	+17 49.3	1.748	2.688	9.2	18.8
10 8	1 32.87	+16 51.8	1.706	2.685	5.3	18.5
10 18	1 25.48	+15 40.7	1.690	2.682	2.3	18.3
10 28	1 18.27	+14 22.5	1.702	2.680	4.6	18.5
11 7	1 12.20	+13 5.2	1.741	2.678	8.5	18.7
11 17	1 7.98	+11 55.8	1.805	2.677	12.2	19.0

469762 2005 QK_{44} 10 16.6 15°.49 2°.9/18.2 16

9 8	1 49.15	+13 54.1	0.919	1.781	23.5	20.2
9 18	1 47.64	+14 35.6	0.871	1.789	18.8	19.9
9 28	1 42.44	+14 56.4	0.839	1.800	13.3	19.7
10 8	1 34.47	+14 56.8	0.825	1.812	7.3	19.4
10 18	1 25.22	+14 40.2	0.833	1.827	2.9	19.2
10 28	1 16.60	+14 14.4	0.862	1.844	7.0	19.5
11 7	1 10.25	+13 48.8	0.913	1.862	12.5	19.9
11 17	1 7.13	+13 31.6	0.983	1.882	17.4	20.3

403737 2010 XW_{57} 10 16.6 315°.70 5°.8/11.0 18

9 8	1 48.09	− 3 31.6	1.872	2.720	13.9	20.6
9 18	1 45.05	− 4 40.0	1.790	2.704	10.9	20.4
9 28	1 39.87	− 5 51.7	1.731	2.688	8.0	20.2
10 8	1 33.08	− 6 59.7	1.697	2.672	5.9	20.1
10 18	1 25.44	− 7 56.4	1.690	2.657	6.5	20.1
10 28	1 17.94	− 8 35.1	1.709	2.642	9.2	20.2
11 7	1 11.51	− 8 51.6	1.753	2.628	12.4	20.4
11 17	1 6.90	− 8 44.8	1.818	2.614	15.5	20.5

230921 2004 TA_{349} 10 16.6 276°.41 2°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.35	+ 3 21.5	2.286	3.110	12.5	21.0
9 18	1 46.34	+ 2 52.1	2.199	3.102	9.7	20.8
9 28	1 40.49	+ 2 17.0	2.135	3.094	6.5	20.6
10 8	1 33.29	+ 1 40.1	2.098	3.086	3.4	20.4
10 18	1 25.41	+ 1 5.6	2.089	3.078	2.8	20.3
10 28	1 17.67	+ 0 38.3	2.110	3.070	5.7	20.5
11 7	1 10.85	+ 0 21.7	2.157	3.062	9.0	20.7
11 17	1 5.58	+ 0 18.2	2.230	3.054	12.0	20.9

404058 2012 DX_{26} 10 16.6 223°.99 3°.6/12.4 18

9 8	1 48.43	+ 0 27.4	2.419	3.249	11.7	21.1
9 18	1 44.71	− 0 34.0	2.339	3.244	9.1	20.9
9 28	1 39.31	− 1 40.1	2.282	3.240	6.2	20.7
10 8	1 32.71	− 2 45.9	2.253	3.235	3.9	20.6
10 18	1 25.52	− 3 45.9	2.253	3.230	4.1	20.6
10 28	1 18.49	− 4 34.8	2.281	3.225	6.6	20.7
11 7	1 12.32	− 5 8.9	2.337	3.220	9.4	20.9
11 17	1 7.58	− 5 26.1	2.417	3.214	12.0	21.1

395506 2011 UM_{114} 10 16.6 12°.03 3°.4/14.2 18

9 8	1 50.93	+ 2 29.5	1.458	2.309	16.9	20.3
9 18	1 47.66	+ 2 3.6	1.394	2.312	13.1	20.1
9 28	1 41.78	+ 1 31.2	1.351	2.316	8.8	19.9
10 8	1 33.99	+ 0 58.0	1.332	2.320	4.7	19.7
10 18	1 25.31	+ 0 30.3	1.337	2.326	3.9	19.6
10 28	1 17.00	+ 0 14.2	1.369	2.333	7.7	19.9
11 7	1 10.21	+ 0 14.0	1.425	2.340	11.9	20.1
11 17	1 5.70	+ 0 31.2	1.502	2.349	15.6	20.4

304356 2006 SW_{321} 10 16.6 2°.24 1°.0/15.8 18

9 8	1 52.97	+ 7 35.6	1.928	2.747	14.6	21.3
9 18	1 48.71	+ 7 23.3	1.848	2.747	11.4	21.1
9 28	1 42.25	+ 7 2.1	1.790	2.747	7.7	20.9
10 8	1 34.16	+ 6 35.1	1.757	2.747	3.6	20.7
10 18	1 25.28	+ 6 6.4	1.752	2.747	1.4	20.5
10 28	1 16.61	+ 5 40.8	1.776	2.747	5.4	20.8
11 7	1 9.12	+ 5 22.9	1.826	2.747	9.4	21.0
11 17	1 3.52	+ 5 16.1	1.902	2.748	12.9	21.2

119173 2001 QL_{49} 10 16.6 350°.03 2°.8/14.7 18

9 8	1 47.68	+ 6 13.6	1.163	2.027	19.4	18.9
9 18	1 45.91	+ 5 38.3	1.094	2.020	15.2	18.7
9 28	1 41.06	+ 4 49.0	1.045	2.013	10.2	18.4
10 8	1 33.81	+ 3 51.9	1.016	2.008	4.9	18.1
10 18	1 25.33	+ 2 55.8	1.011	2.004	3.4	18.0
10 28	1 17.14	+ 2 10.3	1.029	2.001	8.4	18.2
11 7	1 10.67	+ 1 43.3	1.070	1.999	13.6	18.5
11 17	1 6.91	+ 1 38.9	1.131	1.999	18.2	18.8

362300 2009 SU_{290} 10 16.6 88°.18 2°.9/13.9 18

9 8	1 54.07	+ 0 27.6	2.365	3.184	12.3	20.8
9 18	1 48.89	+ 0 6.9	2.303	3.202	9.5	20.7
9 28	1 41.98	− 0 16.2	2.265	3.221	6.4	20.5
10 8	1 33.90	− 0 38.0	2.255	3.239	3.6	20.4
10 18	1 25.34	− 0 54.8	2.273	3.257	3.2	20.4
10 28	1 17.11	− 1 3.3	2.321	3.275	5.7	20.6
11 7	1 9.94	− 1 1.0	2.397	3.293	8.6	20.8
11 17	1 4.34	− 0 47.0	2.499	3.311	11.3	21.0

147512 2004 DH_{14} 10 16.6 248°.77 1°.0/15.8 18

9 8	1 54.29	+ 8 47.8	1.619	2.445	16.7	20.3
9 18	1 50.28	+ 8 25.9	1.535	2.438	13.1	20.0
9 28	1 43.62	+ 7 51.5	1.472	2.431	8.9	19.8
10 8	1 34.92	+ 7 8.1	1.433	2.423	4.1	19.5
10 18	1 25.15	+ 6 21.0	1.421	2.416	1.5	19.3
10 28	1 15.55	+ 5 37.1	1.435	2.408	6.3	19.6
11 7	1 7.34	+ 5 3.0	1.476	2.400	10.9	19.8
11 17	1 1.41	+ 4 43.5	1.541	2.392	15.0	20.1

13478 Fraunhofer 10 16.6 346°.18 22°.2/28.6 18 R

9 8	2 1.17	+40 17.5	0.997	1.727	30.7	17.8
9 18	1 59.70	+43 59.6	0.936	1.720	28.6	17.6
9 28	1 52.82	+47 14.1	0.886	1.714	26.4	17.4
10 8	1 40.48	+49 43.5	0.849	1.709	24.4	17.2
10 18	1 24.08	+51 9.8	0.827	1.706	22.8	17.1
10 28	1 6.85	+51 23.6	0.820	1.703	22.2	17.1
11 7	0 52.64	+50 30.8	0.827	1.702	22.7	17.1
11 17	0 44.24	+48 49.7	0.849	1.701	24.1	17.2

195450 2002 GA_{85} 10 16.6 222°.79 4°.6/12.6 18

9 8	1 52.96	− 0 55.8	1.909	2.744	14.2	20.1
9 18	1 48.71	− 1 49.2	1.831	2.739	11.1	19.9
9 28	1 42.25	− 2 46.8	1.777	2.734	7.7	19.7
10 8	1 34.17	− 3 42.5	1.748	2.729	5.0	19.5
10 18	1 25.30	− 4 29.9	1.746	2.723	5.1	19.5
10 28	1 16.64	− 5 2.7	1.772	2.717	8.0	19.7
11 7	1 9.15	− 5 17.2	1.825	2.711	11.4	19.9
11 17	1 3.56	− 5 12.0	1.900	2.705	14.5	20.1

115840 2003 UJ_{262} 10 16.6 309°.71 0°.1/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.11	+12 23.3	1.730	2.549	16.1	19.6
9 18	1 46.85	+11 56.4	1.645	2.542	12.7	19.4
9 28	1 41.20	+11 14.3	1.581	2.536	8.7	19.1
10 8	1 33.75	+10 19.7	1.541	2.530	4.2	18.8
10 18	1 25.36	+ 9 17.7	1.528	2.524	0.6	18.5
10 28	1 17.15	+ 8 15.4	1.542	2.518	5.4	18.9
11 7	1 10.19	+ 7 20.1	1.583	2.513	9.9	19.1
11 17	1 5.26	+ 6 37.8	1.648	2.507	13.8	19.4

115984 2003 WZ_{60} 10 16.6 246°.80 2°.4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.34	+ 4 10.5	1.871	2.698	14.7	19.9
9 18	1 49.06	+ 3 44.4	1.791	2.696	11.4	19.7
9 28	1 42.53	+ 3 11.2	1.734	2.693	7.7	19.5
10 8	1 34.32	+ 2 35.2	1.702	2.691	3.8	19.3
10 18	1 25.29	+ 2 1.4	1.698	2.688	2.9	19.2
10 28	1 16.47	+ 1 35.3	1.721	2.685	6.4	19.4
11 7	1 8.86	+ 1 21.2	1.772	2.683	10.3	19.6
11 17	1 3.20	+ 1 21.7	1.846	2.680	13.7	19.9

232487 2003 NE_{12} 10 16.6 147°.11 5°.8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.85	− 3 47.8	1.948	2.787	13.8	21.3
9 18	1 47.67	− 5 12.7	1.886	2.793	10.8	21.1
9 28	1 41.43	− 6 39.7	1.847	2.799	7.9	20.9
10 8	1 33.74	− 8 1.3	1.834	2.805	6.0	20.8
10 18	1 25.40	− 9 9.8	1.849	2.810	6.6	20.9
10 28	1 17.36	− 9 58.8	1.891	2.815	9.1	21.0
11 7	1 10.51	−10 25.1	1.958	2.819	12.0	21.2
11 17	1 5.47	−10 28.1	2.047	2.824	14.6	21.4

471969 2013 TW_{63} 10 16.6 320°.24 0°.3/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.67	+14 34.0	1.352	2.184	19.0	21.5
9 18	1 46.41	+13 48.9	1.272	2.176	15.2	21.2
9 28	1 41.26	+12 40.4	1.210	2.168	10.4	21.0
10 8	1 33.89	+11 12.3	1.172	2.161	5.1	20.6
10 18	1 25.35	+ 9 32.3	1.158	2.154	0.7	20.3
10 28	1 17.04	+ 7 51.4	1.170	2.148	6.4	20.7
11 7	1 10.28	+ 6 21.5	1.207	2.142	11.8	21.0
11 17	1 6.02	+ 5 11.4	1.266	2.136	16.4	21.2

376113 2010 XQ_{32} 10 16.6 353°.44 4°.6/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.61	+18 54.2	1.214	2.034	21.5	21.1
9 18	1 49.99	+19 30.2	1.141	2.030	17.7	20.8
9 28	1 43.98	+19 44.4	1.085	2.027	13.1	20.6
10 8	1 35.28	+19 34.9	1.048	2.025	8.2	20.3
10 18	1 25.12	+19 2.9	1.035	2.024	4.7	20.1
10 28	1 15.19	+18 14.6	1.045	2.023	6.9	20.2
11 7	1 7.12	+17 20.2	1.079	2.024	11.7	20.5
11 17	1 2.06	+16 29.8	1.135	2.024	16.4	20.8

271274 2003 UQ_{200} 10 16.6 298°.76 0°.8/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.59	+16 12.2	2.281	3.075	13.4	20.4
9 18	1 43.53	+15 24.3	2.184	3.066	10.7	20.2
9 28	1 38.67	+14 20.4	2.110	3.057	7.5	20.0
10 8	1 32.48	+13 2.8	2.063	3.048	3.8	19.7
10 18	1 25.60	+11 36.1	2.043	3.039	0.8	19.5
10 28	1 18.87	+10 6.8	2.053	3.030	4.2	19.7
11 7	1 13.04	+ 8 41.8	2.092	3.021	7.9	20.0
11 17	1 8.74	+ 7 27.3	2.157	3.013	11.2	20.2

332381 2007 FF_{40} 10 16.6 92°.85 0°.1/16.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.85	+12 1.0	1.678	2.491	16.7	21.4
9 18	1 50.31	+11 34.0	1.615	2.509	13.1	21.2
9 28	1 43.34	+10 52.5	1.573	2.527	8.9	21.0
10 8	1 34.66	+10 0.2	1.555	2.544	4.2	20.8
10 18	1 25.26	+ 9 2.3	1.565	2.561	0.7	20.5
10 28	1 16.31	+ 8 6.0	1.603	2.578	5.4	20.9
11 7	1 8.84	+ 7 17.9	1.668	2.594	9.7	21.2
11 17	1 3.54	+ 6 42.8	1.756	2.610	13.4	21.5

12927 Pinocchio 10 16.6 350°.14 0°.8/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.09	+11 14.6	1.169	2.015	20.5	18.6
9 18	1 49.53	+11 28.0	1.097	2.009	16.4	18.3
9 28	1 43.63	+11 25.7	1.044	2.004	11.3	18.0
10 8	1 35.10	+11 9.4	1.011	2.000	5.6	17.7
10 18	1 25.16	+10 43.4	1.001	1.998	1.0	17.4
10 28	1 15.49	+10 14.7	1.016	1.996	6.7	17.7
11 7	1 7.65	+ 9 51.3	1.054	1.995	12.4	18.1
11 17	1 2.76	+ 9 39.7	1.112	1.995	17.2	18.3

93819 2000 WG_{69} 10 16.6 65°.77 7°.0/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.32	+29 16.3	1.617	2.361	20.0	18.9
9 18	1 50.42	+29 39.2	1.551	2.380	17.0	18.7
9 28	1 43.69	+29 35.1	1.503	2.398	13.6	18.6
10 8	1 34.91	+29 1.9	1.475	2.417	10.1	18.4
10 18	1 25.22	+28 0.8	1.471	2.436	7.4	18.3
10 28	1 16.00	+26 37.8	1.493	2.455	7.4	18.4
11 7	1 8.48	+25 3.0	1.541	2.474	9.8	18.5
11 17	1 3.45	+23 27.4	1.613	2.493	12.9	18.8

273938 2007 JX_{20} 10 16.6 45°.39 0°.6/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 49.46	+13 45.7	1.322	2.157	19.2	19.4
9 18	1 46.57	+12 32.0	1.274	2.180	14.9	19.1
9 28	1 40.98	+10 57.4	1.245	2.205	9.9	18.9
10 8	1 33.56	+ 9 9.1	1.239	2.229	4.5	18.7
10 18	1 25.46	+ 7 17.4	1.259	2.255	1.2	18.5
10 28	1 17.98	+ 5 33.8	1.306	2.280	6.4	19.0
11 7	1 12.18	+ 4 8.0	1.378	2.307	11.1	19.3
11 17	1 8.75	+ 3 5.8	1.473	2.333	15.1	19.6

138974 2001 CX_{24} 10 16.6 180°.19 1°.0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 56.36	+ 8 40.4	1.886	2.697	15.2	20.7
9 18	1 51.41	+ 8 13.1	1.805	2.699	11.9	20.5
9 28	1 44.11	+ 7 34.7	1.745	2.700	8.0	20.2
10 8	1 35.08	+ 6 48.8	1.711	2.700	3.7	20.0
10 18	1 25.19	+ 6 0.3	1.705	2.700	1.5	19.8
10 28	1 15.55	+ 5 15.1	1.729	2.699	5.7	20.1
11 7	1 7.18	+ 4 39.1	1.780	2.697	9.8	20.3
11 17	1 0.84	+ 4 16.2	1.855	2.695	13.4	20.6

385352 2002 PF_{36} 10 16.6 67°.38 4°.9/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 57.18	+24 19.7	1.749	2.506	18.3	21.1
9 18	1 52.10	+24 34.4	1.694	2.539	15.1	20.9
9 28	1 44.50	+24 27.2	1.658	2.572	11.4	20.8
10 8	1 35.17	+23 57.6	1.645	2.605	7.7	20.6
10 18	1 25.20	+23 8.0	1.658	2.637	5.1	20.5
10 28	1 15.80	+22 4.6	1.699	2.669	5.8	20.6
11 7	1 8.02	+20 55.4	1.767	2.700	8.7	20.9
11 17	1 2.54	+19 48.7	1.860	2.731	11.9	21.1

184960 2005 WP_{132} 10 16.6 91°.85 0°.6/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.44	+13 32.2	2.221	3.019	13.6	20.8
9 18	1 46.41	+13 11.0	2.145	3.029	10.7	20.6
9 28	1 40.52	+12 37.6	2.091	3.039	7.4	20.5
10 8	1 33.31	+11 54.2	2.063	3.049	3.7	20.2
10 18	1 25.50	+11 4.6	2.064	3.059	0.7	20.0
10 28	1 17.93	+10 13.7	2.093	3.069	4.2	20.3
11 7	1 11.40	+ 9 27.0	2.151	3.079	7.7	20.6
11 17	1 6.50	+ 8 48.7	2.235	3.089	10.9	20.8

393766 2005 GS_{113} 10 16.6 193°.47 1°.3/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.30	+ 7 25.6	2.425	3.233	12.4	22.0
9 18	1 47.73	+ 6 51.0	2.337	3.230	9.6	21.8
9 28	1 41.38	+ 6 7.9	2.273	3.228	6.4	21.6
10 8	1 33.72	+ 5 19.8	2.235	3.225	3.0	21.4
10 18	1 25.43	+ 4 30.7	2.228	3.221	1.6	21.3
10 28	1 17.29	+ 3 45.6	2.250	3.217	4.9	21.5
11 7	1 10.07	+ 3 8.7	2.301	3.212	8.2	21.7
11 17	1 4.37	+ 2 43.4	2.378	3.206	11.2	21.9

211411 2002 VB_{98} 10 16.6 327°.97 1°.2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.53	+12 39.0	1.706	2.520	16.5	20.0
9 18	1 48.87	+12 48.7	1.619	2.512	13.1	19.7
9 28	1 42.66	+12 45.5	1.553	2.505	9.2	19.5
10 8	1 34.50	+12 30.7	1.511	2.497	4.7	19.2
10 18	1 25.29	+12 7.0	1.495	2.491	1.2	18.9
10 28	1 16.21	+11 39.4	1.506	2.484	5.2	19.2
11 7	1 8.41	+11 13.7	1.544	2.478	9.7	19.4
11 17	1 2.76	+10 55.2	1.606	2.473	13.7	19.7

160287 2003 BO_{58} 10 16.6 269°.59 2°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.82	+ 6 45.4	1.706	2.535	15.8	21.6
9 18	1 49.12	+ 6 6.2	1.612	2.517	12.4	21.4
9 28	1 42.88	+ 5 15.0	1.539	2.499	8.4	21.1
10 8	1 34.63	+ 4 16.3	1.491	2.481	4.0	20.8
10 18	1 25.27	+ 3 16.1	1.469	2.462	2.6	20.7
10 28	1 15.95	+ 2 22.2	1.476	2.443	6.9	20.9
11 7	1 7.86	+ 1 41.4	1.508	2.423	11.4	21.1
11 17	1 1.90	+ 1 18.4	1.563	2.404	15.4	21.3

223959 2004 XE_{77} 10 16.6 30°.86 2°.2/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.25	+19 10.3	2.197	2.978	14.3	19.9
9 18	1 44.88	+18 49.1	2.112	2.980	11.6	19.7
9 28	1 39.59	+18 11.2	2.047	2.982	8.4	19.5
10 8	1 32.92	+17 18.2	2.008	2.985	4.9	19.3
10 18	1 25.58	+16 13.3	1.996	2.987	2.3	19.1
10 28	1 18.43	+15 2.0	2.013	2.990	4.2	19.3
11 7	1 12.30	+13 50.9	2.058	2.993	7.6	19.5
11 17	1 7.81	+12 46.1	2.129	2.996	10.8	19.7

465852 2010 RS_{16} 10 16.6 46°.56 2°.7/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.88	+ 9 51.5	1.100	1.958	20.8	20.3
9 18	1 47.46	+ 8 27.0	1.051	1.972	16.0	20.1
9 28	1 41.90	+ 6 42.2	1.020	1.987	10.6	19.8
10 8	1 34.11	+ 4 46.5	1.011	2.002	4.9	19.5
10 18	1 25.40	+ 2 52.7	1.026	2.018	3.4	19.5
10 28	1 17.34	+ 1 14.5	1.065	2.035	8.5	19.9
11 7	1 11.21	+ 0 1.9	1.128	2.052	13.6	20.2
11 17	1 7.82	− 0 41.0	1.212	2.069	17.9	20.5

105296 2000 QM_{51} 10 16.6 352°.81 0°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.57	+10 13.6	1.843	2.663	15.2	19.5
9 18	1 47.00	+ 9 59.1	1.763	2.661	11.9	19.3
9 28	1 41.20	+ 9 33.0	1.704	2.660	8.1	19.0
10 8	1 33.74	+ 8 58.1	1.669	2.658	3.8	18.8
10 18	1 25.45	+ 8 18.7	1.661	2.657	0.8	18.6
10 28	1 17.36	+ 7 40.2	1.682	2.657	5.2	18.9
11 7	1 10.45	+ 7 8.3	1.729	2.656	9.3	19.1
11 17	1 5.46	+ 6 47.3	1.800	2.656	13.0	19.4

329250 1995 UL_{36} 10 16.6 95°.20 2°.5/14.7 16

9 8	1 54.27	+ 6 32.5	1.521	2.356	17.1	21.1
9 18	1 50.11	+ 5 43.2	1.460	2.368	13.3	20.9
9 28	1 43.34	+ 4 42.5	1.419	2.380	8.8	20.6
10 8	1 34.73	+ 3 36.3	1.402	2.392	4.2	20.4
10 18	1 25.31	+ 2 32.1	1.412	2.404	3.0	20.4
10 28	1 16.34	+ 1 37.8	1.449	2.415	7.1	20.6
11 7	1 8.93	+ 0 59.7	1.512	2.427	11.4	20.9
11 17	1 3.84	+ 0 40.9	1.598	2.438	15.2	21.2

54099 2000 HF_{4} 10 16.6 298°.63 1°.9/15.3 18

9 8	1 53.32	+ 6 28.6	1.489	2.327	17.3	19.6
9 18	1 49.85	+ 6 9.0	1.403	2.313	13.6	19.3
9 28	1 43.55	+ 5 38.5	1.337	2.299	9.2	19.1
10 8	1 35.02	+ 5 1.0	1.295	2.285	4.4	18.7
10 18	1 25.24	+ 4 22.4	1.278	2.272	2.4	18.6
10 28	1 15.57	+ 3 49.8	1.287	2.258	7.1	18.8
11 7	1 7.32	+ 3 29.6	1.322	2.245	12.0	19.1
11 17	1 1.49	+ 3 25.9	1.378	2.232	16.3	19.3

44594 1999 OX_{3} 10 16.6 353°.59 0°.1/17.5 18

9 8	1 32.08	+12 3.1	17.150	17.930	2.1	19.7
9 18	1 30.89	+11 56.7	17.050	17.925	1.6	19.6
9 28	1 29.51	+11 49.0	16.976	17.920	1.1	19.6
10 8	1 27.99	+11 40.3	16.930	17.915	0.6	19.5
10 18	1 26.41	+11 30.9	16.914	17.910	0.1	19.4
10 28	1 24.85	+11 21.2	16.929	17.905	0.6	19.5
11 7	1 23.37	+11 11.8	16.974	17.900	1.2	19.6
11 17	1 22.04	+11 3.0	17.047	17.895	1.7	19.6

149699 2004 HN_{41} 10 16.6 89°.22 0°.1/16.6 16

9 8	1 54.65	+12 0.7	1.602	2.419	17.2	21.4
9 18	1 50.29	+11 30.4	1.540	2.436	13.5	21.2
9 28	1 43.40	+10 45.0	1.498	2.453	9.1	20.9
10 8	1 34.74	+ 9 48.2	1.481	2.470	4.3	20.7
10 18	1 25.32	+ 8 46.0	1.490	2.486	0.7	20.5
10 28	1 16.37	+ 7 45.8	1.527	2.502	5.6	20.9
11 7	1 8.95	+ 6 54.7	1.591	2.518	10.0	21.2
11 17	1 3.78	+ 6 17.8	1.678	2.534	13.8	21.4

195086 2002 CO_{109} 10 16.6 112°.75 0°.1/16.7 18

9 8	1 54.93	+11 37.7	1.965	2.768	15.0	21.1
9 18	1 50.07	+11 17.7	1.896	2.784	11.7	20.9
9 28	1 43.06	+10 45.7	1.849	2.800	8.0	20.7
10 8	1 34.53	+10 4.4	1.827	2.815	3.8	20.5
10 18	1 25.35	+ 9 18.2	1.834	2.830	0.6	20.3
10 28	1 16.53	+ 8 32.4	1.870	2.844	4.8	20.6
11 7	1 8.96	+ 7 52.6	1.933	2.858	8.7	20.9
11 17	1 3.32	+ 7 23.1	2.023	2.872	12.1	21.1

43231 2000 AU_{177} 10 16.6 132°.94 2°.0/19.2 18

9 8	1 49.04	+19 45.8	2.777	3.538	12.1	18.1
9 18	1 45.00	+19 17.6	2.692	3.548	9.8	17.9
9 28	1 39.42	+18 35.5	2.630	3.559	7.1	17.8
10 8	1 32.77	+17 41.0	2.594	3.568	4.2	17.6
10 18	1 25.64	+16 36.9	2.587	3.578	2.0	17.5
10 28	1 18.71	+15 27.7	2.611	3.587	3.5	17.6
11 7	1 12.62	+14 18.5	2.665	3.596	6.3	17.8
11 17	1 7.87	+13 14.3	2.746	3.604	8.9	18.0

316746 1999 FT_{81} 10 16.6 87°.38 4°.1/13.6 17

9 8	1 57.39	+ 3 7.4	1.422	2.261	17.9	20.9
9 18	1 52.45	+ 2 1.7	1.375	2.286	13.7	20.7
9 28	1 44.80	+ 0 48.2	1.350	2.311	9.2	20.5
10 8	1 35.34	− 0 25.3	1.349	2.335	5.1	20.3
10 18	1 25.24	− 1 30.1	1.374	2.359	4.7	20.4
10 28	1 15.81	− 2 18.3	1.426	2.383	8.4	20.6
11 7	1 8.16	− 2 45.4	1.503	2.405	12.4	20.9
11 17	1 2.97	− 2 50.2	1.602	2.428	15.9	21.2

309993 2009 HY_{95} 10 16.6 131°.85 2°.8/13.4 18

9 8	1 49.22	+ 5 0.9	2.207	3.032	12.8	20.9
9 18	1 45.42	+ 3 44.5	2.135	3.040	9.9	20.7
9 28	1 39.84	+ 2 19.5	2.088	3.047	6.6	20.5
10 8	1 33.00	+ 0 51.5	2.067	3.055	3.5	20.3
10 18	1 25.61	− 0 33.0	2.076	3.062	3.3	20.3
10 28	1 18.46	− 1 47.3	2.114	3.068	6.2	20.5
11 7	1 12.31	− 2 46.3	2.180	3.075	9.4	20.8
11 17	1 7.72	− 3 27.0	2.270	3.081	12.3	21.0

215842 2005 CB_{46} 10 16.6 60°.63 0°.5/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 52.59	+12 24.0	1.733	2.547	16.3	21.0
9 18	1 48.66	+12 11.3	1.660	2.554	12.8	20.8
9 28	1 42.34	+11 44.7	1.608	2.561	8.8	20.6
10 8	1 34.27	+11 6.8	1.581	2.568	4.3	20.3
10 18	1 25.40	+10 21.9	1.580	2.576	0.7	20.1
10 28	1 16.82	+ 9 36.1	1.607	2.583	5.1	20.4
11 7	1 9.59	+ 8 55.7	1.661	2.591	9.4	20.7
11 17	1 4.44	+ 8 25.9	1.739	2.599	13.2	20.9

508035 2015 BQ_{471} 10 16.6 178°.57 2°.9/18.9 17

9 8	1 55.51	+18 40.3	1.650	2.440	17.9	21.2
9 18	1 51.29	+18 38.9	1.567	2.441	14.6	20.9
9 28	1 44.33	+18 18.0	1.504	2.442	10.6	20.7
10 8	1 35.31	+17 37.7	1.464	2.442	6.2	20.4
10 18	1 25.22	+16 41.2	1.450	2.442	3.0	20.2
10 28	1 15.38	+15 34.8	1.464	2.442	5.4	20.4
11 7	1 7.01	+14 27.2	1.505	2.441	9.8	20.7
11 17	1 1.00	+13 26.7	1.570	2.440	13.8	20.9

263749 2008 JF_{26} 10 16.6 120°.84 3°.7/13.8 18

9 8	1 56.41	+ 1 51.0	1.701	2.533	15.8	20.6
9 18	1 51.49	+ 1 8.4	1.638	2.544	12.2	20.4
9 28	1 44.14	+ 0 20.1	1.596	2.555	8.2	20.2
10 8	1 35.08	− 0 28.2	1.580	2.566	4.6	20.0
10 18	1 25.28	− 1 10.0	1.592	2.577	4.2	20.0
10 28	1 15.90	− 1 39.3	1.631	2.587	7.5	20.3
11 7	1 7.96	− 1 52.2	1.696	2.597	11.3	20.5
11 17	1 2.19	− 1 47.1	1.784	2.606	14.6	20.8

100562 1997 GW_{19} 10 16.6 206°.80 0°.1/16.6 18

9 8	1 54.08	+12 0.5	1.821	2.630	15.8	20.7
9 18	1 49.84	+11 30.8	1.735	2.626	12.5	20.4
9 28	1 43.18	+10 46.4	1.669	2.622	8.5	20.2
10 8	1 34.72	+ 9 50.4	1.628	2.617	4.0	19.9
10 18	1 25.32	+ 8 47.5	1.615	2.611	0.7	19.6
10 28	1 16.11	+ 7 44.8	1.631	2.606	5.4	20.0
11 7	1 8.15	+ 6 49.3	1.674	2.599	9.8	20.2
11 17	1 2.25	+ 6 6.7	1.742	2.592	13.6	20.5

159316 2006 BY_{185} 10 16.6 95°.73 1°.4/15.1 18

9 8	1 49.14	+ 7 20.8	2.456	3.270	12.0	20.7
9 18	1 45.15	+ 6 39.9	2.386	3.283	9.3	20.6
9 28	1 39.55	+ 5 51.2	2.340	3.297	6.1	20.4
10 8	1 32.84	+ 4 58.4	2.320	3.310	2.9	20.2
10 18	1 25.64	+ 4 5.7	2.330	3.323	1.7	20.2
10 28	1 18.69	+ 3 18.0	2.370	3.336	4.7	20.4
11 7	1 12.65	+ 2 39.2	2.437	3.349	7.8	20.6
11 17	1 8.03	+ 2 12.4	2.531	3.361	10.6	20.8

265594 Keletiágnes 10 16.6 109°.99 0°.4/16.9 16

9 8	1 55.22	+13 26.7	1.721	2.527	16.7	21.7
9 18	1 50.60	+12 56.3	1.655	2.544	13.1	21.5
9 28	1 43.55	+12 10.1	1.609	2.560	8.9	21.3
10 8	1 34.81	+11 11.6	1.588	2.576	4.3	21.0
10 18	1 25.33	+10 6.0	1.595	2.591	0.6	20.8
10 28	1 16.28	+ 9 0.6	1.630	2.606	5.2	21.2
11 7	1 8.68	+ 8 2.7	1.693	2.620	9.5	21.5
11 17	1 3.23	+ 7 17.8	1.780	2.634	13.2	21.7

440882 2006 TJ_{103} 10 16.6 46°.60 2°.4/19.2 17

9 8	1 48.17	+21 23.2	1.728	2.516	17.3	21.5
9 18	1 45.24	+20 32.4	1.657	2.529	14.0	21.3
9 28	1 40.01	+19 17.8	1.605	2.542	10.1	21.1
10 8	1 33.16	+17 42.1	1.578	2.556	5.8	20.9
10 18	1 25.61	+15 51.5	1.577	2.569	2.5	20.7
10 28	1 18.44	+13 55.2	1.605	2.583	4.8	20.9
11 7	1 12.61	+12 3.8	1.660	2.598	8.8	21.2
11 17	1 8.78	+10 25.7	1.741	2.612	12.6	21.4

155318 2006 AP_{18} 10 16.6 129°.88 4°.6/11.7 18

9 8	1 50.36	− 4 4.6	2.369	3.200	11.9	20.0
9 18	1 46.19	− 4 55.2	2.300	3.204	9.3	19.9
9 28	1 40.31	− 5 46.3	2.256	3.207	6.7	19.7
10 8	1 33.22	− 6 32.9	2.237	3.211	4.8	19.6
10 18	1 25.60	− 7 10.0	2.247	3.214	5.2	19.6
10 28	1 18.20	− 7 33.3	2.286	3.217	7.3	19.8
11 7	1 11.74	− 7 40.4	2.350	3.220	9.9	19.9
11 17	1 6.78	− 7 30.5	2.439	3.223	12.3	20.1

349480 2008 DS_{72} 10 16.6 170°.15 2°.4/12.9 17

9 8	1 45.14	+ 0 38.1	3.556	4.375	8.5	21.3
9 18	1 41.61	− 0 5.6	3.476	4.377	6.6	21.2
9 28	1 36.99	− 0 52.0	3.422	4.378	4.5	21.1
10 8	1 31.60	− 1 37.9	3.397	4.379	2.7	20.9
10 18	1 25.86	− 2 20.2	3.401	4.381	2.7	21.0
10 28	1 20.23	− 2 55.9	3.436	4.382	4.5	21.1
11 7	1 15.16	− 3 22.5	3.499	4.382	6.6	21.2
11 17	1 11.03	− 3 38.4	3.588	4.383	8.5	21.4

398655 2012 TT_{294} 10 16.6 274°.22 0°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 53.12	+10 50.9	1.775	2.591	15.8	21.5
9 18	1 49.22	+10 40.1	1.686	2.582	12.5	21.2
9 28	1 42.86	+10 16.8	1.618	2.573	8.6	21.0
10 8	1 34.61	+ 9 43.4	1.575	2.563	4.1	20.7
10 18	1 25.36	+ 9 3.7	1.558	2.554	0.7	20.4
10 28	1 16.22	+ 8 23.6	1.569	2.545	5.4	20.7
11 7	1 8.32	+ 7 49.3	1.607	2.535	9.9	21.0
11 17	1 2.49	+ 7 25.9	1.669	2.526	13.8	21.2

112158 2002 JL_{76} 10 16.6 159°.73 0°.8/17.4 18

9 8	1 53.39	+13 49.5	1.983	2.782	15.0	20.6
9 18	1 49.04	+13 33.0	1.901	2.785	11.9	20.4
9 28	1 42.49	+13 2.6	1.841	2.789	8.2	20.2
10 8	1 34.34	+12 20.4	1.806	2.792	4.2	20.0
10 18	1 25.41	+11 30.3	1.799	2.794	0.9	19.7
10 28	1 16.71	+10 37.8	1.820	2.797	4.7	20.0
11 7	1 9.19	+ 9 49.1	1.870	2.799	8.7	20.3
11 17	1 3.56	+ 9 9.5	1.945	2.800	12.2	20.5

334832 2003 SO_{399} 10 16.6 335°.84 5°.1/11.0 18

9 8	1 47.50	− 3 15.6	2.148	2.989	12.6	21.0
9 18	1 44.23	− 4 25.9	2.075	2.985	9.8	20.8
9 28	1 39.13	− 5 38.7	2.027	2.982	7.1	20.6
10 8	1 32.72	− 6 47.7	2.004	2.978	5.2	20.5
10 18	1 25.68	− 7 46.4	2.009	2.975	5.8	20.5
10 28	1 18.83	− 8 29.1	2.042	2.972	8.1	20.7
11 7	1 12.94	− 8 52.5	2.100	2.969	10.9	20.9
11 17	1 8.62	− 8 55.4	2.180	2.966	13.5	21.0

29021 6613 *P–L* 10 16.6 21°.05 0°.9/16.1 18

9 8	1 50.38	+ 8 49.9	1.039	1.902	21.3	18.6
9 18	1 48.13	+ 8 41.9	0.989	1.912	16.6	18.4
9 28	1 42.54	+ 8 18.5	0.957	1.923	11.2	18.1
10 8	1 34.51	+ 7 44.5	0.944	1.936	5.2	17.8
10 18	1 25.41	+ 7 6.9	0.955	1.950	1.5	17.6
10 28	1 16.91	+ 6 34.3	0.989	1.966	7.3	18.1
11 7	1 10.46	+ 6 14.1	1.045	1.983	12.7	18.4
11 17	1 6.92	+ 6 10.9	1.121	2.001	17.3	18.8

46958 1998 SM_{129} 10 16.6 51°.23 0°.8/15.9 18

9 8	1 50.93	+10 1.5	1.722	2.546	15.9	18.9
9 18	1 47.34	+ 9 27.9	1.651	2.552	12.4	18.7
9 28	1 41.44	+ 8 41.1	1.601	2.559	8.3	18.4
10 8	1 33.86	+ 7 45.4	1.575	2.566	3.8	18.2
10 18	1 25.51	+ 6 46.3	1.577	2.572	1.3	18.0
10 28	1 17.46	+ 5 50.8	1.607	2.580	5.7	18.3
11 7	1 10.72	+ 5 5.4	1.662	2.587	9.9	18.6
11 17	1 6.00	+ 4 34.5	1.742	2.594	13.5	18.9

479353 2013 WZ_{97} 10 16.6 280°.13 1°.0/17.3 18

9 8	1 53.41	+13 20.5	1.611	2.425	17.3	21.5
9 18	1 49.90	+13 13.2	1.513	2.406	13.9	21.2
9 28	1 43.62	+12 49.9	1.436	2.387	9.7	20.9
10 8	1 35.11	+12 11.9	1.381	2.368	4.9	20.6
10 18	1 25.29	+11 23.0	1.353	2.349	1.0	20.3
10 28	1 15.46	+10 29.5	1.352	2.329	5.7	20.5
11 7	1 6.93	+ 9 39.6	1.377	2.310	10.7	20.8
11 17	1 0.72	+ 9 0.2	1.425	2.290	15.2	21.0

337272 2000 UA_{64} 10 16.6 336°.82 3°.9/20.0 18

9 8	1 46.30	+22 19.6	1.418	2.222	19.7	20.1
9 18	1 44.62	+22 1.1	1.333	2.212	16.3	19.8
9 28	1 40.13	+21 14.4	1.266	2.203	12.2	19.6
10 8	1 33.45	+19 59.8	1.219	2.194	7.6	19.3
10 18	1 25.59	+18 21.3	1.197	2.187	4.0	19.1
10 28	1 17.92	+16 28.3	1.200	2.180	5.9	19.2
11 7	1 11.74	+14 33.5	1.229	2.173	10.5	19.4
11 17	1 8.01	+12 49.2	1.280	2.168	15.0	19.7

441737 2009 BB_{99} 10 16.6 188°.37 0°.9/17.5 18

9 8	1 54.29	+13 18.4	2.382	3.169	13.2	22.0
9 18	1 49.41	+13 13.9	2.291	3.168	10.5	21.8
9 28	1 42.61	+12 58.6	2.223	3.167	7.3	21.6
10 8	1 34.39	+12 33.9	2.180	3.165	3.7	21.3
10 18	1 25.46	+12 2.3	2.167	3.163	0.9	21.1
10 28	1 16.67	+11 27.9	2.185	3.160	4.1	21.4
11 7	1 8.84	+10 55.1	2.231	3.157	7.6	21.6
11 17	1 2.64	+10 28.1	2.303	3.153	10.8	21.8

438590 2007 VD_{42} 10 16.6 3°.67 0°.2/16.5 16

9 8	1 48.90	+12 23.8	1.644	2.468	16.5	21.9
9 18	1 45.98	+11 45.5	1.567	2.468	13.0	21.7
9 28	1 40.66	+10 50.7	1.511	2.468	8.8	21.5
10 8	1 33.56	+ 9 43.2	1.479	2.468	4.2	21.2
10 18	1 25.59	+ 8 29.1	1.473	2.469	0.8	20.9
10 28	1 17.88	+ 7 16.5	1.495	2.470	5.6	21.3
11 7	1 11.48	+ 6 13.3	1.542	2.472	10.1	21.6
11 17	1 7.14	+ 5 25.5	1.614	2.474	14.0	21.8

327729 2006 SR_{214} 10 16.6 55°.80 0°.7/17.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 58.09	+11 24.2	1.247	2.077	20.4	20.5
9 18	1 53.64	+11 33.4	1.193	2.096	16.1	20.3
9 28	1 46.00	+11 27.1	1.159	2.115	11.0	20.0
10 8	1 36.08	+11 7.9	1.146	2.134	5.3	19.8
10 18	1 25.21	+10 40.3	1.158	2.154	0.9	19.5
10 28	1 14.99	+10 11.2	1.196	2.174	6.2	20.0
11 7	1 6.77	+ 9 47.6	1.258	2.194	11.3	20.3
11 17	1 1.42	+ 9 35.0	1.343	2.214	15.6	20.6

515360 2013 CS_{159} 10 16.6 243°.69 2°.4/14.3 18

9 8	1 50.46	+ 5 8.5	2.062	2.888	13.6	21.7
9 18	1 46.67	+ 4 23.6	1.979	2.883	10.5	21.4
9 28	1 40.87	+ 3 30.2	1.918	2.878	7.0	21.2
10 8	1 33.60	+ 2 32.9	1.884	2.873	3.5	21.0
10 18	1 25.59	+ 1 37.2	1.878	2.868	2.8	20.9
10 28	1 17.76	+ 0 49.0	1.900	2.862	6.1	21.2
11 7	1 10.96	+ 0 13.3	1.950	2.857	9.7	21.4
11 17	1 5.86	− 0 6.7	2.023	2.851	12.9	21.6

273585 2007 CH_{44} 10 16.6 244°.09 1°.3/15.5 18

9 8	1 53.35	+ 8 51.6	1.818	2.637	15.4	21.5
9 18	1 49.36	+ 8 13.1	1.725	2.625	12.1	21.2
9 28	1 42.95	+ 7 21.7	1.654	2.611	8.2	20.9
10 8	1 34.68	+ 6 21.2	1.608	2.598	3.8	20.7
10 18	1 25.41	+ 5 17.1	1.589	2.584	1.8	20.5
10 28	1 16.23	+ 4 16.7	1.599	2.569	6.1	20.7
11 7	1 8.24	+ 3 27.0	1.636	2.554	10.5	21.0
11 17	1 2.27	+ 2 52.8	1.696	2.539	14.3	21.2

168429 1998 SP_{90} 10 16.6 27°.32 2°.3/15.1 18

9 8	1 50.76	+ 6 9.3	1.273	2.126	18.7	19.3
9 18	1 47.79	+ 5 40.9	1.222	2.140	14.5	19.1
9 28	1 41.98	+ 5 1.5	1.190	2.156	9.6	18.9
10 8	1 34.17	+ 4 17.0	1.181	2.172	4.5	18.6
10 18	1 25.53	+ 3 34.5	1.196	2.190	2.8	18.6
10 28	1 17.43	+ 3 1.6	1.237	2.208	7.3	18.9
11 7	1 11.06	+ 2 43.8	1.302	2.227	11.9	19.2
11 17	1 7.18	+ 2 43.9	1.388	2.248	15.9	19.5

220462 2004 BP_{36} 10 16.6 112°.24 3°.7/19.5 18

9 8	1 57.18	+19 52.6	1.668	2.449	18.1	20.9
9 18	1 52.46	+20 5.7	1.596	2.462	14.8	20.7
9 28	1 45.05	+19 59.5	1.543	2.474	10.9	20.5
10 8	1 35.63	+19 33.8	1.513	2.486	6.7	20.3
10 18	1 25.28	+18 50.8	1.509	2.497	3.7	20.1
10 28	1 15.29	+17 56.2	1.533	2.508	5.5	20.3
11 7	1 6.86	+16 58.2	1.583	2.519	9.4	20.5
11 17	1 0.81	+16 4.4	1.659	2.529	13.1	20.8

454695 2014 RQ_{35} 10 16.6 322°.82 4°.8/11.6 18

9 8	1 48.46	− 2 52.4	2.163	3.002	12.6	20.9
9 18	1 44.99	− 3 51.0	2.087	2.996	9.8	20.7
9 28	1 39.67	− 4 51.9	2.035	2.990	7.0	20.5
10 8	1 33.01	− 5 49.4	2.009	2.985	5.0	20.4
10 18	1 25.70	− 6 37.5	2.010	2.979	5.4	20.4
10 28	1 18.57	− 7 11.0	2.039	2.974	7.8	20.6
11 7	1 12.40	− 7 26.6	2.094	2.969	10.7	20.7
11 17	1 7.81	− 7 23.1	2.171	2.965	13.3	20.9

520714 2014 QG_{468} 10 16.6 91°.15 3°.4/20.2 18

9 8	1 52.21	+21 16.3	2.438	3.194	13.7	21.9
9 18	1 47.79	+21 32.0	2.356	3.204	11.3	21.8
9 28	1 41.50	+21 33.4	2.295	3.214	8.4	21.6
10 8	1 33.86	+21 20.3	2.259	3.223	5.5	21.5
10 18	1 25.57	+20 54.0	2.250	3.233	3.5	21.3
10 28	1 17.46	+20 17.9	2.271	3.242	4.4	21.4
11 7	1 10.34	+19 36.6	2.320	3.252	7.0	21.6
11 17	1 4.83	+18 55.4	2.396	3.261	9.8	21.8

178618 2000 EQ_{168} 10 16.6 251°.49 5°.3/18.3 18

9 8	2 10.92	+14 21.1	1.209	2.011	22.5	20.0
9 18	2 5.05	+16 3.4	1.124	2.004	18.6	19.7
9 28	1 54.83	+17 37.6	1.057	1.996	13.8	19.4
10 8	1 40.81	+18 58.3	1.012	1.989	8.6	19.1
10 18	1 24.39	+19 59.6	0.993	1.981	5.3	18.9
10 28	1 7.81	+20 39.8	1.000	1.972	8.3	19.1
11 7	0 53.38	+21 3.2	1.032	1.964	13.6	19.3
11 17	0 42.78	+21 17.8	1.087	1.955	18.6	19.6

160640 1999 VN_{149} 10 16.6 3°.84 0°.8/16.1 18

9 8	1 51.18	+ 8 1.9	1.309	2.157	18.7	19.6
9 18	1 48.34	+ 8 1.9	1.242	2.156	14.7	19.4
9 28	1 42.56	+ 7 50.2	1.193	2.156	9.9	19.1
10 8	1 34.56	+ 7 30.3	1.166	2.157	4.6	18.8
10 18	1 25.45	+ 7 7.0	1.164	2.160	1.4	18.6
10 28	1 16.66	+ 6 46.9	1.187	2.163	6.6	18.9
11 7	1 9.52	+ 6 36.0	1.234	2.168	11.7	19.2
11 17	1 4.95	+ 6 38.5	1.303	2.173	16.0	19.5

292511 2006 TL_{24} 10 16.6 342°.54 1°.2/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.26	+14 27.7	1.822	2.630	15.8	21.0
9 18	1 46.89	+14 15.5	1.738	2.627	12.6	20.7
9 28	1 41.22	+13 48.0	1.675	2.625	8.8	20.5
10 8	1 33.83	+13 7.2	1.637	2.622	4.6	20.3
10 18	1 25.56	+12 16.9	1.624	2.620	1.2	20.0
10 28	1 17.48	+11 23.0	1.640	2.618	4.9	20.3
11 7	1 10.60	+10 32.4	1.683	2.616	9.1	20.5
11 17	1 5.68	+ 9 50.9	1.750	2.615	12.8	20.8

188430 2004 FC_{91} 10 16.6 101°.12 4°.6/12.7 18

9 8	1 54.77	+ 0 44.0	1.674	2.512	15.7	20.5
9 18	1 50.16	− 0 27.9	1.621	2.530	12.1	20.3
9 28	1 43.20	− 1 45.2	1.590	2.549	8.3	20.1
10 8	1 34.65	− 3 0.2	1.584	2.567	5.1	20.0
10 18	1 25.46	− 4 5.2	1.606	2.584	5.3	20.0
10 28	1 16.76	− 4 53.2	1.655	2.602	8.3	20.2
11 7	1 9.52	− 5 20.2	1.729	2.618	11.8	20.5
11 17	1 4.39	− 5 25.3	1.826	2.635	14.9	20.7

3739 Rem 10 16.6 76°.27 3°.8/14.1 18

9 8	1 56.41	+ 3 56.5	1.284	2.132	19.0	16.4
9 18	1 52.10	+ 3 2.4	1.235	2.150	14.6	16.1
9 28	1 44.83	+ 1 58.8	1.204	2.168	9.8	15.9
10 8	1 35.49	+ 0 53.4	1.197	2.186	5.1	15.7
10 18	1 25.34	− 0 5.1	1.216	2.204	4.4	15.7
10 28	1 15.85	− 0 48.1	1.260	2.222	8.5	16.0
11 7	1 8.23	− 1 10.6	1.328	2.240	12.9	16.3
11 17	1 3.26	− 1 10.7	1.418	2.257	16.8	16.6

128769 2004 RJ_{193} 10 16.6 40°.09 4°.0/20.8 18

9 8	1 50.00	+23 14.2	2.087	2.849	15.5	19.3
9 18	1 46.45	+23 18.5	2.005	2.854	12.9	19.1
9 28	1 40.79	+23 4.2	1.942	2.860	9.8	19.0
10 8	1 33.59	+22 31.2	1.903	2.866	6.6	18.8
10 18	1 25.63	+21 41.5	1.890	2.872	4.2	18.7
10 28	1 17.88	+20 39.6	1.905	2.878	5.0	18.7
11 7	1 11.26	+19 32.4	1.948	2.884	7.9	18.9
11 17	1 6.46	+18 26.7	2.017	2.891	11.0	19.1

402799 2007 DZ_{61} 10 16.6 329°.69 5°.9/10.4 18

9 8	1 49.14	− 5 29.6	2.105	2.945	12.8	20.9
9 18	1 45.53	− 6 43.8	2.037	2.944	10.1	20.7
9 28	1 40.03	− 7 58.6	1.993	2.943	7.5	20.6
10 8	1 33.18	− 9 7.3	1.975	2.943	5.9	20.5
10 18	1 25.70	−10 3.2	1.985	2.942	6.6	20.5
10 28	1 18.44	−10 40.8	2.021	2.941	8.8	20.7
11 7	1 12.21	−10 57.3	2.082	2.940	11.5	20.8
11 17	1 7.61	−10 52.0	2.166	2.940	14.0	21.0

23093 1999 XW_{136} 10 16.6 34°.29 9°.2/12.1 18

9 8	1 55.44	− 6 55.5	0.969	1.846	21.4	16.6
9 18	1 51.86	− 7 55.8	0.940	1.866	16.9	16.4
9 28	1 44.81	− 8 50.6	0.929	1.888	12.5	16.3
10 8	1 35.46	− 9 28.6	0.937	1.911	9.5	16.2
10 18	1 25.37	− 9 40.6	0.967	1.936	9.8	16.3
10 28	1 16.28	− 9 22.0	1.020	1.961	12.9	16.6
11 7	1 9.51	− 8 34.0	1.093	1.988	16.6	16.9
11 17	1 5.77	− 7 21.5	1.184	2.015	20.0	17.2

176206 2001 PR_{59} 10 16.6 259°.41 17°.8/27.7 17

9 8	1 52.36	−22 17.6	1.142	1.998	20.2	19.5
9 18	1 49.91	−25 54.2	1.106	1.991	18.5	19.4
9 28	1 43.96	−29 12.8	1.091	1.983	17.8	19.3
10 8	1 35.32	−31 52.8	1.095	1.975	18.6	19.3
10 18	1 25.35	−33 38.7	1.119	1.966	20.3	19.4
10 28	1 15.84	−34 23.1	1.159	1.958	22.6	19.6
11 7	1 8.38	−34 9.0	1.212	1.950	24.9	19.7
11 17	1 3.98	−33 4.5	1.276	1.941	26.9	19.9

319122 2005 XL_{76} 10 16.6 232°.28 5°.6/11.3 18

9 8	1 53.60	− 8 4.2	2.351	3.177	12.1	20.2
9 18	1 48.77	− 8 41.5	2.277	3.174	9.7	20.0
9 28	1 42.10	− 9 16.3	2.227	3.171	7.3	19.9
10 8	1 34.13	− 9 43.5	2.204	3.167	5.7	19.8
10 18	1 25.56	− 9 58.3	2.208	3.164	6.1	19.8
10 28	1 17.20	− 9 57.2	2.240	3.161	8.1	19.9
11 7	1 9.83	− 9 38.7	2.299	3.157	10.6	20.1
11 17	1 4.06	− 9 3.2	2.381	3.154	12.9	20.2

164887 1999 VT_{84} 10 16.6 13°.00 0°.8/16.1 18

9 8	1 50.63	+ 8 49.7	1.318	2.164	18.6	20.3
9 18	1 47.83	+ 8 39.4	1.254	2.167	14.6	20.1
9 28	1 42.16	+ 8 16.0	1.209	2.171	9.8	19.8
10 8	1 34.35	+ 7 43.2	1.186	2.177	4.6	19.6
10 18	1 25.52	+ 7 6.8	1.188	2.183	1.3	19.4
10 28	1 17.08	+ 6 34.0	1.215	2.191	6.5	19.7
11 7	1 10.28	+ 6 11.5	1.266	2.199	11.5	20.0
11 17	1 5.99	+ 6 3.7	1.339	2.209	15.7	20.3

57497 2001 SP_{235} 10 16.6 167°.79 0°.4/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 54.00	+11 2.0	1.977	2.783	14.8	19.1
9 18	1 49.49	+10 27.8	1.896	2.787	11.6	18.9
9 28	1 42.81	+ 9 40.9	1.838	2.791	7.8	18.7
10 8	1 34.53	+ 8 44.4	1.805	2.794	3.7	18.5
10 18	1 25.50	+ 7 43.5	1.800	2.796	0.9	18.3
10 28	1 16.71	+ 6 44.2	1.825	2.798	5.1	18.6
11 7	1 9.11	+ 5 53.0	1.878	2.799	9.1	18.8
11 17	1 3.40	+ 5 14.3	1.955	2.800	12.6	19.0

492376 2014 HV_{116} 10 16.6 196°.45 4°.7/12.4 18

9 8	1 54.95	− 3 43.8	2.171	2.997	13.0	21.7
9 18	1 49.98	− 4 24.2	2.095	2.995	10.2	21.5
9 28	1 43.01	− 5 5.5	2.041	2.993	7.3	21.4
10 8	1 34.60	− 5 42.3	2.015	2.990	5.0	21.2
10 18	1 25.49	− 6 9.5	2.016	2.987	5.2	21.2
10 28	1 16.61	− 6 22.6	2.046	2.984	7.6	21.4
11 7	1 8.81	− 6 19.2	2.103	2.980	10.6	21.6
11 17	1 2.74	− 5 58.6	2.184	2.976	13.3	21.7

42575 1997 AD_{4} 10 16.6 276°.60 2°.0/18.2 18

9 8	1 52.83	+15 49.2	1.795	2.594	16.3	19.2
9 18	1 49.07	+15 50.2	1.703	2.585	13.2	19.0
9 28	1 42.83	+15 35.5	1.632	2.576	9.4	18.7
10 8	1 34.67	+15 5.9	1.585	2.567	5.2	18.5
10 18	1 25.47	+14 24.1	1.564	2.558	2.0	18.2
10 28	1 16.37	+13 35.5	1.571	2.549	5.0	18.4
11 7	1 8.50	+12 47.0	1.605	2.540	9.3	18.7
11 17	1 2.72	+12 5.1	1.664	2.531	13.3	18.9

344060 1995 OL 10 16.6 90°.37 6°.9/22.9 18

9 8	1 56.38	+28 44.0	1.814	2.547	18.5	20.4
9 18	1 51.90	+29 22.7	1.740	2.560	15.8	20.2
9 28	1 44.71	+29 38.4	1.684	2.574	12.7	20.0
10 8	1 35.52	+29 28.3	1.649	2.587	9.6	19.9
10 18	1 25.35	+28 52.4	1.639	2.600	7.3	19.8
10 28	1 15.49	+27 54.5	1.655	2.613	7.3	19.8
11 7	1 7.16	+26 42.6	1.698	2.626	9.5	20.0
11 17	1 1.19	+25 26.2	1.766	2.638	12.4	20.2

395574 2011 UV_{250} 10 16.6 5°.50 4°.2/13.7 18

9 8	1 50.99	+ 0 41.0	1.492	2.344	16.6	20.3
9 18	1 47.75	+ 0 8.2	1.427	2.344	12.9	20.1
9 28	1 41.92	− 0 29.5	1.382	2.345	8.8	19.9
10 8	1 34.19	− 1 6.0	1.360	2.347	5.1	19.6
10 18	1 25.57	− 1 34.6	1.364	2.349	4.8	19.6
10 28	1 17.28	− 1 49.3	1.394	2.353	8.2	19.9
11 7	1 10.44	− 1 46.1	1.448	2.357	12.3	20.1
11 17	1 5.86	− 1 23.9	1.524	2.362	15.9	20.3

23619 1996 JX_{7} 10 16.6 243°.29 1°.1/15.4 18

9 8	1 50.00	+ 7 27.3	2.696	3.503	11.3	20.2
9 18	1 45.90	+ 6 56.3	2.595	3.488	8.8	20.0
9 28	1 40.18	+ 6 17.7	2.519	3.474	5.9	19.8
10 8	1 33.26	+ 5 34.1	2.469	3.459	2.8	19.5
10 18	1 25.71	+ 4 49.2	2.450	3.443	1.4	19.4
10 28	1 18.22	+ 4 7.2	2.460	3.427	4.5	19.6
11 7	1 11.47	+ 3 32.2	2.499	3.411	7.6	19.8
11 17	1 6.05	+ 3 7.3	2.565	3.395	10.5	20.0

408204 2013 EZ_{39} 10 16.6 131°.12 0°.3/16.9 18

9 8	1 51.41	+12 4.0	2.454	3.249	12.6	22.1
9 18	1 47.02	+11 44.4	2.375	3.258	9.9	21.9
9 28	1 40.90	+11 14.5	2.319	3.268	6.7	21.7
10 8	1 33.57	+10 36.6	2.289	3.276	3.2	21.5
10 18	1 25.67	+ 9 54.1	2.289	3.285	0.5	21.3
10 28	1 17.99	+ 9 11.2	2.318	3.293	4.0	21.6
11 7	1 11.24	+ 8 32.4	2.377	3.301	7.3	21.8
11 17	1 6.00	+ 8 1.5	2.461	3.309	10.2	22.0

15099 Janestrohm 10 16.6 307°.82 3°.6/19.6 18

9 8	1 49.45	+20 9.9	1.682	2.476	17.5	18.7
9 18	1 46.79	+20 12.1	1.582	2.456	14.5	18.5
9 28	1 41.52	+19 53.8	1.500	2.435	10.8	18.2
10 8	1 34.15	+19 14.3	1.441	2.415	6.7	17.9
10 18	1 25.56	+18 15.6	1.406	2.396	3.6	17.7
10 28	1 16.95	+17 3.5	1.399	2.377	5.5	17.8
11 7	1 9.57	+15 46.7	1.417	2.358	9.8	18.0
11 17	1 4.40	+14 34.4	1.460	2.339	14.0	18.2

225264 2009 RT_{34} 10 16.6 340°.28 0°.1/16.7 18

9 8	1 47.55	+12 59.3	2.196	3.003	13.5	20.6
9 18	1 44.33	+12 18.3	2.111	3.001	10.6	20.4
9 28	1 39.26	+11 23.9	2.047	2.999	7.2	20.2
10 8	1 32.86	+10 19.1	2.009	2.998	3.5	19.9
10 18	1 25.79	+ 9 8.5	2.000	2.996	0.5	19.7
10 28	1 18.90	+ 7 58.2	2.020	2.995	4.5	20.0
11 7	1 12.97	+ 6 54.3	2.067	2.993	8.1	20.2
11 17	1 8.61	+ 6 1.7	2.141	2.992	11.4	20.4

225704 2001 QY_{229} 10 16.6 43°.92 0°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.43	+14 20.3	1.281	2.115	19.8	20.1
9 18	1 47.62	+13 35.9	1.225	2.130	15.6	19.8
9 28	1 41.94	+12 30.0	1.188	2.146	10.6	19.6
10 8	1 34.20	+11 7.7	1.173	2.162	5.1	19.3
10 18	1 25.60	+ 9 37.3	1.183	2.179	0.7	19.1
10 28	1 17.54	+ 8 9.5	1.219	2.197	6.2	19.5
11 7	1 11.23	+ 6 54.5	1.280	2.215	11.2	19.9
11 17	1 7.44	+ 5 59.0	1.362	2.233	15.5	20.2

431711 2008 ER_{120} 10 16.6 226°.75 1°.9/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.64	+ 7 52.0	1.769	2.592	15.6	22.4
9 18	1 49.61	+ 7 1.3	1.681	2.583	12.2	22.1
9 28	1 43.13	+ 5 57.5	1.615	2.574	8.2	21.9
10 8	1 34.80	+ 4 45.4	1.574	2.564	3.9	21.6
10 18	1 25.50	+ 3 31.5	1.561	2.554	2.4	21.5
10 28	1 16.34	+ 2 23.8	1.576	2.543	6.6	21.7
11 7	1 8.43	+ 1 29.6	1.618	2.531	10.9	21.9
11 17	1 2.58	+ 0 53.4	1.683	2.519	14.7	22.2

285325 1999 EH_8 10 16.6 87°.00 5°.6/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 57.27	− 0 35.1	1.395	2.241	17.8	20.6
9 18	1 52.50	− 1 42.1	1.348	2.261	13.8	20.4
9 28	1 44.97	− 2 53.3	1.322	2.281	9.5	20.2
10 8	1 35.54	− 4 0.0	1.319	2.301	6.1	20.1
10 18	1 25.41	− 4 53.5	1.342	2.320	6.2	20.1
10 28	1 15.92	− 5 26.6	1.392	2.339	9.5	20.4
11 7	1 8.22	− 5 36.1	1.466	2.358	13.3	20.7
11 17	1 3.01	− 5 22.2	1.561	2.377	16.7	20.9

505476 2013 UL_{15} 10 16.6 54°.53 0°.0/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 29.38	+ 7 27.1	42.784	43.583	0.8	23.1
9 18	1 28.79	+ 7 23.5	42.696	43.585	0.6	23.1
9 28	1 28.13	+ 7 19.4	42.634	43.588	0.4	23.0
10 8	1 27.42	+ 7 15.2	42.601	43.590	0.2	23.0
10 18	1 26.68	+ 7 10.9	42.597	43.592	0.1	23.0
10 28	1 25.95	+ 7 6.6	42.624	43.595	0.3	23.0
11 7	1 25.26	+ 7 2.7	42.680	43.597	0.5	23.0
11 17	1 24.62	+ 6 59.1	42.764	43.599	0.7	23.1

480701 2015 PT_{161} 10 16.6 268°.25 1°.5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.10	+ 6 57.8	1.957	2.777	14.4	21.6
9 18	1 49.02	+ 6 34.7	1.861	2.761	11.3	21.4
9 28	1 42.68	+ 6 2.2	1.787	2.745	7.6	21.1
10 8	1 34.59	+ 5 23.6	1.738	2.728	3.6	20.8
10 18	1 25.53	+ 4 43.4	1.718	2.711	1.9	20.7
10 28	1 16.52	+ 4 7.3	1.725	2.694	5.8	20.9
11 7	1 8.59	+ 3 40.5	1.760	2.677	9.9	21.1
11 17	1 2.53	+ 3 26.9	1.819	2.660	13.6	21.3

518321 2017 BC_{84} 10 16.6 216°.12 0°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.68	+13 10.4	2.312	3.112	13.1	21.2
9 18	1 45.11	+12 29.3	2.223	3.110	10.3	21.0
9 28	1 39.75	+11 35.0	2.157	3.108	7.0	20.8
10 8	1 33.09	+10 30.5	2.117	3.105	3.4	20.5
10 18	1 25.78	+ 9 20.2	2.106	3.102	0.5	20.3
10 28	1 18.63	+ 8 9.8	2.125	3.099	4.3	20.6
11 7	1 12.41	+ 7 5.2	2.172	3.096	7.9	20.8
11 17	1 7.71	+ 6 11.4	2.245	3.093	11.1	21.0

285519 2000 EV_{196} 10 16.6 207°.50 2°.8/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.94	+ 4 42.4	2.281	3.103	12.6	21.5
9 18	1 46.07	+ 3 31.5	2.196	3.098	9.7	21.3
9 28	1 40.38	+ 2 11.7	2.135	3.094	6.5	21.1
10 8	1 33.38	+ 0 48.2	2.101	3.088	3.5	20.9
10 18	1 25.73	− 0 32.8	2.097	3.082	3.3	20.9
10 28	1 18.24	− 1 44.6	2.122	3.076	6.2	21.1
11 7	1 11.68	− 2 42.2	2.175	3.070	9.5	21.2
11 17	1 6.65	− 3 22.1	2.253	3.063	12.4	21.4

448715 2011 AR_{38} 10 16.6 343°.97 7°.8/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.24	− 8 57.1	1.702	2.554	14.8	20.1
9 18	1 46.15	−10 0.6	1.634	2.544	12.0	19.9
9 28	1 40.75	−11 1.6	1.588	2.536	9.3	19.7
10 8	1 33.64	−11 51.7	1.566	2.528	7.8	19.6
10 18	1 25.69	−12 23.4	1.569	2.520	8.5	19.7
10 28	1 18.00	−12 31.2	1.597	2.514	10.9	19.8
11 7	1 11.55	−12 12.9	1.647	2.508	13.9	20.0
11 17	1 7.10	−11 29.7	1.718	2.504	16.7	20.2

378035 2006 SE_{394} 10 16.6 202°.63 1°.0/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.07	+10 22.9	1.670	2.491	16.4	21.3
9 18	1 49.24	+ 9 37.2	1.589	2.489	12.9	21.0
9 28	1 42.90	+ 8 36.2	1.529	2.487	8.7	20.8
10 8	1 34.69	+ 7 24.3	1.494	2.484	4.0	20.5
10 18	1 25.53	+ 6 7.9	1.486	2.481	1.5	20.3
10 28	1 16.60	+ 4 55.5	1.506	2.478	6.1	20.6
11 7	1 9.02	+ 3 54.8	1.552	2.474	10.7	20.9
11 17	1 3.61	+ 3 11.3	1.622	2.470	14.6	21.1

13327 Reitsema 10 16.6 351°.60 1°.8/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 48.74	+ 6 25.8	1.793	2.628	14.9	18.3
9 18	1 45.67	+ 6 0.1	1.714	2.623	11.6	18.1
9 28	1 40.39	+ 5 25.2	1.657	2.619	7.8	17.8
10 8	1 33.47	+ 4 45.1	1.625	2.615	3.7	17.6
10 18	1 25.72	+ 4 4.9	1.619	2.612	2.2	17.5
10 28	1 18.17	+ 3 30.4	1.640	2.610	6.0	17.7
11 7	1 11.78	+ 3 7.0	1.688	2.609	10.0	18.0
11 17	1 7.28	+ 2 57.8	1.759	2.608	13.6	18.2

37161 2000 WE_9 10 16.6 104°.23 7°.2/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.09	− 8 9.3	1.804	2.642	14.7	18.4
9 18	1 50.30	− 9 20.0	1.753	2.655	11.8	18.3
9 28	1 43.27	−10 27.7	1.724	2.669	9.0	18.1
10 8	1 34.71	−11 24.6	1.721	2.682	7.3	18.1
10 18	1 25.54	−12 3.6	1.744	2.695	7.9	18.1
10 28	1 16.82	−12 20.1	1.793	2.707	10.1	18.3
11 7	1 9.47	−12 12.3	1.867	2.720	12.9	18.5
11 17	1 4.14	−11 41.9	1.962	2.732	15.4	18.7

21380 Devanssay 10 16.6 45°.34 5°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.64	+ 1 53.6	1.075	1.943	20.3	17.2
9 18	1 49.54	+ 0 33.7	1.036	1.963	15.7	17.0
9 28	1 43.26	− 0 54.3	1.017	1.984	10.6	16.8
10 8	1 34.80	− 2 19.4	1.019	2.005	6.4	16.6
10 18	1 25.55	− 3 30.1	1.044	2.027	6.4	16.7
10 28	1 17.07	− 4 16.9	1.093	2.049	10.4	17.0
11 7	1 10.63	− 4 35.3	1.165	2.072	14.7	17.3
11 17	1 6.96	− 4 25.8	1.255	2.096	18.5	17.7

490432 2009 SF_{96} 10 16.7 321°.46 1°.6/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.67	+ 5 13.2	2.047	2.871	13.7	21.3
9 18	1 47.74	+ 5 5.2	1.957	2.859	10.7	21.1
9 28	1 41.71	+ 4 50.8	1.889	2.847	7.2	20.9
10 8	1 34.09	+ 4 33.1	1.846	2.836	3.5	20.6
10 18	1 25.63	+ 4 15.7	1.831	2.825	2.0	20.5
10 28	1 17.27	+ 4 2.9	1.845	2.814	5.5	20.7
11 7	1 9.94	+ 3 58.5	1.886	2.804	9.3	20.9
11 17	1 4.35	+ 4 5.2	1.951	2.794	12.7	21.1

299085 2005 EY_{51} 10 16.7 304°.84 4°.0/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	2 2.26	+15 52.5	1.753	2.536	17.3	20.2
9 18	1 56.82	+17 4.0	1.656	2.524	14.2	19.9
9 28	1 48.38	+18 6.0	1.579	2.512	10.5	19.7
10 8	1 37.48	+18 55.7	1.527	2.500	6.6	19.4
10 18	1 25.08	+19 31.1	1.502	2.489	4.0	19.2
10 28	1 12.58	+19 52.9	1.506	2.478	6.1	19.3
11 7	1 1.39	+20 4.5	1.537	2.467	10.1	19.5
11 17	0 52.66	+20 11.6	1.593	2.456	14.0	19.8

277813 2006 FJ_{46} 10 16.7 187°.41 1°.9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.86	+ 4 50.6	2.766	3.580	10.8	21.2
9 18	1 44.87	+ 4 10.5	2.681	3.579	8.3	21.0
9 28	1 39.41	+ 3 24.5	2.622	3.579	5.6	20.8
10 8	1 32.88	+ 2 35.9	2.589	3.578	2.8	20.6
10 18	1 25.85	+ 1 48.8	2.587	3.576	2.2	20.6
10 28	1 18.95	+ 1 7.1	2.614	3.575	4.8	20.8
11 7	1 12.82	+ 0 34.6	2.670	3.573	7.6	20.9
11 17	1 7.95	+ 0 13.7	2.752	3.571	10.1	21.1

361489 2007 DK_{112} 10 16.7 93°.77 1°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.76	+13 54.1	2.345	3.131	13.3	21.0
9 18	1 48.96	+14 2.0	2.268	3.143	10.6	20.8
9 28	1 42.29	+13 59.4	2.213	3.155	7.4	20.7
10 8	1 34.27	+13 47.4	2.184	3.166	3.9	20.5
10 18	1 25.64	+13 28.0	2.183	3.178	1.3	20.3
10 28	1 17.23	+13 4.8	2.213	3.189	4.0	20.5
11 7	1 9.83	+12 41.9	2.271	3.200	7.3	20.7
11 17	1 4.07	+12 23.3	2.356	3.211	10.3	21.0

183697 2003 YA_{32} 10 16.7 297°.00 5°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.97	+ 0 46.3	1.393	2.245	17.5	20.4
9 18	1 49.74	− 0 5.7	1.313	2.231	13.7	20.1
9 28	1 43.59	− 1 5.8	1.254	2.217	9.5	19.8
10 8	1 35.16	− 2 6.4	1.218	2.204	5.8	19.6
10 18	1 25.48	− 2 58.7	1.208	2.191	5.7	19.6
10 28	1 15.96	− 3 34.0	1.222	2.177	9.6	19.8
11 7	1 7.96	− 3 46.5	1.260	2.164	14.1	20.0
11 17	1 2.47	− 3 34.1	1.318	2.152	18.1	20.2

57911 2002 EE_{96} 10 16.7 44°.95 2°.6/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.86	+15 28.6	1.256	2.079	20.7	18.8
9 18	1 52.20	+15 46.7	1.192	2.087	16.7	18.6
9 28	1 45.29	+15 45.4	1.146	2.096	11.8	18.3
10 8	1 35.92	+15 25.6	1.121	2.105	6.5	18.1
10 18	1 25.38	+14 50.4	1.120	2.114	2.6	17.9
10 28	1 15.27	+14 6.9	1.145	2.124	6.2	18.1
11 7	1 7.08	+13 24.1	1.194	2.135	11.2	18.4
11 17	1 1.77	+12 49.9	1.265	2.145	15.7	18.7

288150 2003 WQ_{118} 10 16.7 321°.08 5°.8/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.35	+24 20.0	1.636	2.412	18.6	19.7
9 18	1 47.64	+24 48.4	1.543	2.398	15.8	19.5
9 28	1 42.18	+24 54.9	1.467	2.385	12.3	19.3
10 8	1 34.51	+24 37.0	1.412	2.372	8.7	19.0
10 18	1 25.57	+23 54.8	1.382	2.360	6.0	18.8
10 28	1 16.67	+22 52.4	1.377	2.348	6.7	18.9
11 7	1 9.11	+21 38.6	1.398	2.337	10.0	19.0
11 17	1 3.91	+20 23.0	1.442	2.327	13.9	19.2

304327 2006 SC_{202} 10 16.7 10°.58 2°.1/18.4 18

9 8	1 51.68	+15 54.0	1.716	2.521	16.8	21.0
9 18	1 48.17	+15 59.5	1.637	2.522	13.5	20.8
9 28	1 42.19	+15 49.1	1.578	2.523	9.6	20.5
10 8	1 34.37	+15 23.8	1.543	2.525	5.3	20.3
10 18	1 25.62	+14 46.4	1.534	2.527	2.1	20.1
10 28	1 17.08	+14 2.5	1.552	2.530	5.0	20.3
11 7	1 9.87	+13 18.8	1.596	2.533	9.2	20.5
11 17	1 4.77	+12 41.7	1.665	2.536	13.0	20.8

264187 2010 FB_{12} 10 16.7 162°.22 1°.2/15.5 18

9 8	1 53.31	+ 8 12.3	2.076	2.888	14.0	21.9
9 18	1 48.84	+ 7 38.7	1.997	2.893	10.9	21.7
9 28	1 42.32	+ 6 55.1	1.941	2.897	7.3	21.5
10 8	1 34.33	+ 6 5.4	1.910	2.900	3.4	21.2
10 18	1 25.63	+ 5 14.1	1.909	2.903	1.6	21.1
10 28	1 17.17	+ 4 27.0	1.936	2.906	5.3	21.4
11 7	1 9.82	+ 3 49.1	1.992	2.908	9.0	21.6
11 17	1 4.24	+ 3 24.0	2.072	2.910	12.3	21.8

354329 2002 XB_{12} 10 16.7 4°.22 3°.5/18.3 18

9 8	1 48.04	+12 27.4	0.974	1.837	22.4	18.6
9 18	1 46.86	+13 42.8	0.917	1.835	18.1	18.4
9 28	1 42.11	+14 43.7	0.876	1.837	12.9	18.1
10 8	1 34.57	+15 28.4	0.855	1.841	7.4	17.8
10 18	1 25.58	+15 56.8	0.854	1.848	3.5	17.6
10 28	1 16.97	+16 12.2	0.876	1.858	7.0	17.9
11 7	1 10.44	+16 21.2	0.920	1.870	12.3	18.2
11 17	1 7.08	+16 30.8	0.983	1.885	17.1	18.5

356615 2011 UC_{13} 10 16.7 182°.48 0°.6/16.1 18

9 8	1 52.46	+ 9 15.9	2.012	2.825	14.3	21.1
9 18	1 48.31	+ 8 56.2	1.930	2.825	11.2	20.9
9 28	1 42.05	+ 8 26.2	1.870	2.825	7.6	20.7
10 8	1 34.23	+ 7 48.9	1.836	2.825	3.5	20.4
10 18	1 25.65	+ 7 8.3	1.830	2.825	1.0	20.2
10 28	1 17.27	+ 6 29.9	1.852	2.825	5.1	20.5
11 7	1 10.00	+ 5 58.6	1.902	2.824	9.0	20.8
11 17	1 4.54	+ 5 38.3	1.977	2.824	12.4	21.0

403157 2008 FT_{102} 10 16.7 38°.43 5°.1/12.5 18

9 8	1 52.30	− 3 28.3	1.848	2.688	14.3	20.5
9 18	1 48.14	− 4 8.9	1.789	2.698	11.2	20.3
9 28	1 41.86	− 4 50.0	1.753	2.708	7.9	20.1
10 8	1 34.09	− 5 25.5	1.741	2.719	5.4	20.0
10 18	1 25.69	− 5 50.0	1.757	2.730	5.6	20.1
10 28	1 17.65	− 5 58.8	1.800	2.742	8.2	20.2
11 7	1 10.87	− 5 49.7	1.868	2.753	11.3	20.5
11 17	1 5.98	− 5 22.8	1.959	2.765	14.1	20.7

515481 2014 BZ_{26} 10 16.7 267°.64 1°.4/15.6 18

9 8	1 52.56	+ 8 47.8	1.726	2.550	15.9	22.1
9 18	1 48.94	+ 8 11.6	1.632	2.534	12.5	21.8
9 28	1 42.82	+ 7 21.9	1.559	2.518	8.5	21.6
10 8	1 34.74	+ 6 22.6	1.511	2.501	4.0	21.3
10 18	1 25.56	+ 5 19.4	1.490	2.484	1.8	21.1
10 28	1 16.44	+ 4 19.9	1.496	2.467	6.3	21.3
11 7	1 8.54	+ 3 31.3	1.529	2.450	10.9	21.5
11 17	1 2.73	+ 2 58.9	1.586	2.432	14.9	21.8

136316 2004 BU_{56} 10 16.7 278°.79 2°.1/18.5 18

9 8	1 52.20	+16 28.8	1.948	2.740	15.5	19.8
9 18	1 48.41	+16 30.8	1.853	2.730	12.5	19.6
9 28	1 42.32	+16 17.9	1.779	2.720	9.0	19.3
10 8	1 34.45	+15 50.5	1.729	2.710	5.1	19.1
10 18	1 25.61	+15 11.1	1.706	2.700	2.1	18.9
10 28	1 16.85	+14 24.5	1.712	2.689	4.7	19.0
11 7	1 9.21	+13 37.0	1.745	2.679	8.7	19.2
11 17	1 3.49	+12 54.9	1.802	2.669	12.5	19.5

109745 2001 RJ_{67} 10 16.7 192°.18 3°.0/19.1 18

9 8	1 55.90	+18 19.4	1.844	2.626	16.6	19.3
9 18	1 51.40	+18 30.5	1.757	2.625	13.5	19.1
9 28	1 44.37	+18 25.0	1.690	2.624	9.9	18.9
10 8	1 35.42	+18 2.9	1.647	2.623	5.9	18.6
10 18	1 25.46	+17 26.0	1.630	2.621	3.0	18.5
10 28	1 15.67	+16 39.1	1.642	2.618	5.1	18.6
11 7	1 7.18	+15 49.1	1.682	2.616	9.0	18.8
11 17	1 0.84	+15 3.0	1.746	2.613	12.8	19.0

203667 2002 JW_{88} 10 16.7 170°.88 1°.3/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 51.90	+16 40.4	2.051	2.840	14.9	21.2
9 18	1 47.88	+16 8.6	1.966	2.842	11.9	21.0
9 28	1 41.75	+15 20.1	1.902	2.844	8.4	20.7
10 8	1 34.09	+14 17.2	1.863	2.846	4.5	20.5
10 18	1 25.68	+13 4.0	1.852	2.847	1.3	20.3
10 28	1 17.49	+11 47.0	1.871	2.848	4.5	20.5
11 7	1 10.43	+10 33.4	1.918	2.849	8.3	20.8
11 17	1 5.18	+ 9 29.4	1.991	2.849	11.8	21.0

12054 1997 TT_{9} 10 16.7 302°.71 1°.0/15.0 18

9 8	1 44.21	+ 5 4.4	4.195	5.002	7.6	19.0
9 18	1 40.80	+ 4 48.5	4.104	4.997	5.8	18.8
9 28	1 36.45	+ 4 29.2	4.038	4.993	3.9	18.7
10 8	1 31.44	+ 4 8.4	4.000	4.988	1.9	18.5
10 18	1 26.10	+ 3 48.0	3.992	4.984	1.2	18.5
10 28	1 20.83	+ 3 30.1	4.015	4.980	3.0	18.6
11 7	1 16.01	+ 3 16.6	4.068	4.975	5.1	18.8
11 17	1 11.97	+ 3 9.2	4.148	4.971	6.9	18.9

316165 2009 VP_{110} 10 16.7 261°.27 2°.0/12.9 18

9 8	1 42.76	− 0 25.4	4.495	5.313	6.9	20.6
9 18	1 39.62	− 0 56.0	4.408	5.308	5.3	20.5
9 28	1 35.64	− 1 28.0	4.348	5.302	3.6	20.4
10 8	1 31.05	− 1 59.3	4.315	5.297	2.2	20.3
10 18	1 26.18	− 2 27.6	4.313	5.291	2.3	20.2
10 28	1 21.37	− 2 50.8	4.341	5.286	3.7	20.4
11 7	1 16.98	− 3 7.1	4.398	5.280	5.4	20.5
11 17	1 13.29	− 3 15.4	4.481	5.274	7.0	20.6

236938 2007 TC_{281} 10 16.7 91°.58 2°.7/18.7 18

9 8	1 59.71	+16 9.6	1.875	2.656	16.4	20.6
9 18	1 54.10	+16 42.4	1.804	2.673	13.2	20.4
9 28	1 46.01	+17 1.8	1.753	2.689	9.5	20.2
10 8	1 36.12	+17 7.3	1.727	2.704	5.5	20.0
10 18	1 25.39	+17 0.3	1.729	2.720	2.8	19.9
10 28	1 15.00	+16 44.3	1.760	2.735	4.9	20.0
11 7	1 6.01	+16 24.5	1.819	2.751	8.7	20.3
11 17	0 59.23	+16 6.2	1.903	2.765	12.1	20.5

237461 1999 VC_{191} 10 16.7 187°.84 1°.9/18.6 18

9 8	1 50.68	+18 40.4	1.955	2.741	15.6	20.4
9 18	1 47.09	+18 6.6	1.868	2.741	12.6	20.2
9 28	1 41.31	+17 13.6	1.802	2.741	9.0	20.0
10 8	1 33.92	+16 3.3	1.760	2.740	5.1	19.7
10 18	1 25.74	+14 40.1	1.746	2.739	1.9	19.5
10 28	1 17.76	+13 11.0	1.760	2.738	4.6	19.7
11 7	1 10.96	+11 44.2	1.803	2.737	8.5	20.0
11 17	1 6.03	+10 27.2	1.872	2.736	12.2	20.2

319350 2006 CO_{24} 10 16.7 128°.29 4°.3/22.1 18

9 8	1 52.78	+26 26.3	2.839	3.555	12.8	21.3
9 18	1 48.06	+26 43.8	2.753	3.567	10.8	21.1
9 28	1 41.63	+26 46.2	2.688	3.579	8.5	21.0
10 8	1 33.97	+26 32.9	2.648	3.590	6.2	20.9
10 18	1 25.73	+26 4.5	2.635	3.602	4.5	20.8
10 28	1 17.66	+25 23.8	2.652	3.612	4.7	20.8
11 7	1 10.48	+24 35.0	2.697	3.622	6.5	20.9
11 17	1 4.76	+23 43.3	2.771	3.632	8.8	21.1

2196 Ellicott 10 16.7 229°.60 0°.6/17.4 18

9 8	1 47.04	+14 23.8	2.789	3.577	11.4	15.9
9 18	1 43.56	+13 50.0	2.695	3.574	9.0	15.8
9 28	1 38.58	+13 4.8	2.625	3.570	6.2	15.6
10 8	1 32.54	+12 10.4	2.581	3.566	3.1	15.4
10 18	1 25.96	+11 10.1	2.567	3.563	0.6	15.2
10 28	1 19.51	+10 8.2	2.583	3.559	3.5	15.4
11 7	1 13.80	+ 9 9.6	2.628	3.555	6.6	15.6
11 17	1 9.34	+ 8 18.2	2.700	3.551	9.3	15.8

381854 2009 WJ_{261} 10 16.7 300°.83 4°.2/19.7 18

9 8	1 52.73	+19 47.1	1.524	2.321	18.9	20.8
9 18	1 49.70	+20 10.4	1.429	2.304	15.6	20.5
9 28	1 43.72	+20 14.1	1.353	2.288	11.7	20.3
10 8	1 35.34	+19 56.5	1.298	2.272	7.5	20.0
10 18	1 25.52	+19 18.3	1.268	2.256	4.3	19.8
10 28	1 15.67	+18 24.7	1.264	2.240	6.2	19.8
11 7	1 7.23	+17 24.1	1.285	2.225	10.6	20.1
11 17	1 1.31	+16 25.9	1.329	2.210	15.0	20.3

349155 2007 PS_{5} 10 16.7 27°.94 10°.3/ 7.4 18

9 8	1 49.07	−11 0.9	1.420	2.282	16.7	19.5
9 18	1 46.29	−13 2.1	1.377	2.289	13.7	19.4
9 28	1 40.93	−14 57.7	1.356	2.297	11.2	19.3
10 8	1 33.75	−16 35.4	1.358	2.305	10.3	19.2
10 18	1 25.80	−17 44.7	1.384	2.314	11.4	19.3
10 28	1 18.32	−18 19.1	1.432	2.324	13.8	19.5
11 7	1 12.38	−18 17.5	1.501	2.334	16.5	19.7
11 17	1 8.67	−17 43.3	1.588	2.345	19.0	19.9

378584 2008 DK_{89} 10 16.7 105°.86 0°.6/16.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 56.74	+10 8.8	1.658	2.474	16.8	21.6
9 18	1 51.90	+ 9 43.4	1.594	2.490	13.1	21.4
9 28	1 44.55	+ 9 5.1	1.551	2.507	8.8	21.1
10 8	1 35.43	+ 8 17.7	1.533	2.522	4.1	20.9
10 18	1 25.55	+ 7 26.7	1.542	2.538	1.0	20.7
10 28	1 16.11	+ 6 38.7	1.580	2.553	5.7	21.1
11 7	1 8.18	+ 5 59.9	1.644	2.568	10.0	21.4
11 17	1 2.50	+ 5 34.8	1.732	2.582	13.7	21.6

123849 2001 CS_{35} 10 16.7 11°.49 17°.0/19.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	2 19.99	+24 23.8	0.901	1.687	29.6	18.3
9 18	2 14.73	+28 44.6	0.838	1.688	26.1	18.0
9 28	2 3.30	+32 58.3	0.791	1.689	22.2	17.8
10 8	1 45.77	+36 42.4	0.764	1.692	18.7	17.6
10 18	1 23.79	+39 30.7	0.757	1.695	17.1	17.5
10 28	1 0.99	+41 8.3	0.773	1.700	17.9	17.6
11 7	0 41.56	+41 41.0	0.808	1.705	20.7	17.8
11 17	0 28.34	+41 29.7	0.859	1.711	23.9	18.1

43695 4079 $P–L$ 10 16.7 295°.85 1°.5/17.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.72	+13 42.5	1.286	2.114	20.0	19.3
9 18	1 51.55	+13 48.4	1.204	2.104	16.1	19.0
9 28	1 45.10	+13 36.2	1.141	2.095	11.4	18.7
10 8	1 36.01	+13 6.8	1.099	2.086	5.9	18.4
10 18	1 25.43	+12 24.1	1.081	2.077	1.5	18.1
10 28	1 14.97	+11 35.4	1.089	2.068	6.4	18.4
11 7	1 6.23	+10 49.9	1.121	2.060	12.0	18.6
11 17	1 0.36	+10 15.8	1.174	2.051	16.9	18.9

99971 1981 DF_{3} 10 16.7 114°.36 4°.4/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.37	+25 25.2	2.436	3.163	14.4	20.3
9 18	1 50.26	+25 37.8	2.359	3.183	12.0	20.2
9 28	1 43.19	+25 33.4	2.303	3.203	9.3	20.1
10 8	1 34.73	+25 11.3	2.271	3.221	6.5	19.9
10 18	1 25.66	+24 32.7	2.267	3.240	4.6	19.8
10 28	1 16.86	+23 41.4	2.292	3.257	4.9	19.9
11 7	1 9.17	+22 42.9	2.346	3.275	7.2	20.1
11 17	1 3.21	+21 43.3	2.428	3.291	9.8	20.3

267841 2003 UR_{204} 10 16.7 269°.34 0°.5/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.79	+13 26.2	2.500	3.295	12.4	21.5
9 18	1 45.18	+13 1.8	2.398	3.281	9.8	21.3
9 28	1 39.84	+12 25.6	2.319	3.266	6.8	21.1
10 8	1 33.21	+11 39.6	2.266	3.252	3.4	20.9
10 18	1 25.88	+10 46.9	2.242	3.238	0.6	20.6
10 28	1 18.62	+ 9 52.3	2.247	3.223	4.0	20.9
11 7	1 12.16	+ 9 0.9	2.281	3.208	7.4	21.1
11 17	1 7.12	+ 8 17.0	2.342	3.194	10.5	21.2

120182 2003 VQ_{2} 10 16.7 296°.24 1°.6/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.72	+ 5 47.9	1.766	2.591	15.5	20.2
9 18	1 50.49	+ 5 40.6	1.680	2.582	12.2	19.9
9 28	1 43.79	+ 5 25.5	1.615	2.573	8.2	19.7
10 8	1 35.19	+ 5 5.9	1.575	2.564	3.9	19.4
10 18	1 25.58	+ 4 46.0	1.562	2.556	2.0	19.2
10 28	1 16.10	+ 4 30.8	1.577	2.547	6.1	19.5
11 7	1 7.87	+ 4 24.8	1.618	2.539	10.4	19.7
11 17	1 1.74	+ 4 31.1	1.683	2.530	14.2	20.0

123916 2001 DL_{96} 10 16.7 296°.80 3°.1/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.37	+19 23.1	2.162	2.937	14.7	20.1
9 18	1 47.58	+19 35.5	2.066	2.928	12.0	19.9
9 28	1 41.67	+19 33.0	1.990	2.919	8.9	19.7
10 8	1 34.14	+19 15.5	1.939	2.911	5.6	19.5
10 18	1 25.74	+18 44.4	1.915	2.902	3.2	19.3
10 28	1 17.41	+18 3.4	1.919	2.894	4.6	19.4
11 7	1 10.09	+17 18.1	1.951	2.886	7.9	19.6
11 17	1 4.52	+16 34.4	2.009	2.878	11.3	19.8

483840 2005 XR_{68} 10 16.7 273°.22 3°.5/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.33	+22 26.4	2.348	3.104	14.2	22.5
9 18	1 46.68	+22 25.8	2.239	3.087	11.8	22.3
9 28	1 41.03	+22 8.5	2.151	3.069	8.9	22.1
10 8	1 33.84	+21 34.0	2.087	3.052	5.9	21.9
10 18	1 25.79	+20 43.8	2.050	3.034	3.7	21.7
10 28	1 17.75	+19 41.7	2.043	3.016	4.6	21.7
11 7	1 10.62	+18 33.8	2.063	2.998	7.6	21.9
11 17	1 5.12	+17 26.6	2.111	2.980	10.8	22.1

334081 2001 QJ_{59} 10 16.7 54°.97 6°.9/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	2 2.69	+22 51.5	1.366	2.142	21.6	19.8
9 18	1 57.41	+24 7.9	1.310	2.166	18.0	19.6
9 28	1 48.75	+25 2.3	1.273	2.190	13.9	19.4
10 8	1 37.57	+25 30.5	1.256	2.214	9.8	19.3
10 18	1 25.25	+25 31.3	1.264	2.238	7.0	19.2
10 28	1 13.52	+25 8.7	1.297	2.263	7.8	19.3
11 7	1 3.88	+24 31.3	1.356	2.288	10.9	19.5
11 17	0 57.31	+23 49.2	1.437	2.313	14.5	19.8

225493 2000 HP_{63} 10 16.7 141°.16 0°.9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 55.91	+ 9 6.4	1.898	2.709	15.2	21.4
9 18	1 51.03	+ 8 39.4	1.825	2.719	11.8	21.2
9 28	1 43.90	+ 8 1.6	1.773	2.728	7.9	21.0
10 8	1 35.13	+ 7 16.4	1.748	2.737	3.7	20.7
10 18	1 25.63	+ 6 28.5	1.750	2.745	1.3	20.6
10 28	1 16.44	+ 5 43.9	1.781	2.753	5.4	20.9
11 7	1 8.53	+ 5 8.1	1.841	2.760	9.4	21.2
11 17	1 2.60	+ 4 44.8	1.924	2.767	12.9	21.4

311764 2006 TW_{109} 10 16.7 288°.07 1°.3/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.32	+ 7 0.7	1.963	2.784	14.4	21.3
9 18	1 48.35	+ 6 42.6	1.876	2.776	11.2	21.1
9 28	1 42.20	+ 6 15.7	1.810	2.768	7.6	20.8
10 8	1 34.40	+ 5 43.3	1.770	2.760	3.5	20.6
10 18	1 25.74	+ 5 9.7	1.758	2.752	1.7	20.4
10 28	1 17.21	+ 4 40.0	1.774	2.744	5.5	20.7
11 7	1 9.78	+ 4 18.9	1.817	2.736	9.5	20.9
11 17	1 4.19	+ 4 10.0	1.884	2.728	13.0	21.1

188388 2004 DW_{6} 10 16.7 150°.91 0°.4/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.76	+12 40.1	1.836	2.639	15.9	21.3
9 18	1 51.08	+12 19.3	1.759	2.646	12.6	21.1
9 28	1 44.02	+11 44.4	1.703	2.652	8.6	20.9
10 8	1 35.23	+10 58.1	1.671	2.659	4.2	20.6
10 18	1 25.62	+10 4.7	1.668	2.664	0.6	20.4
10 28	1 16.29	+ 9 10.6	1.694	2.669	5.1	20.7
11 7	1 8.29	+ 8 22.3	1.747	2.674	9.3	21.0
11 17	1 2.35	+ 7 45.1	1.825	2.678	13.0	21.2

213301 2001 QS_{294} 10 16.7 45°.24 3°.0/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.35	+ 7 20.6	1.575	2.417	16.3	20.0
9 18	1 45.41	+ 5 51.4	1.522	2.435	12.5	19.8
9 28	1 40.18	+ 4 9.3	1.490	2.454	8.2	19.6
10 8	1 33.37	+ 2 22.5	1.483	2.473	4.1	19.4
10 18	1 25.92	+ 0 40.2	1.504	2.493	3.6	19.4
10 28	1 18.92	− 0 47.9	1.552	2.513	7.3	19.7
11 7	1 13.30	− 1 55.2	1.625	2.533	11.2	20.0
11 17	1 9.68	− 2 38.5	1.721	2.554	14.6	20.2

510180 2011 BS_{70} 10 16.7 248°.28 2°.7/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.70	+18 13.9	1.668	2.462	17.6	22.4
9 18	1 50.02	+18 9.7	1.578	2.454	14.3	22.1
9 28	1 43.67	+17 46.1	1.507	2.446	10.4	21.9
10 8	1 35.21	+17 3.4	1.458	2.438	6.1	21.6
10 18	1 25.61	+16 4.6	1.436	2.429	2.7	21.4
10 28	1 16.14	+14 56.0	1.442	2.420	5.4	21.6
11 7	1 8.01	+13 46.3	1.474	2.411	9.8	21.8
11 17	1 2.18	+12 44.0	1.530	2.401	14.0	22.0

30533 Saeidzoonemat 10 16.7 339°.50 0°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.83	+10 47.4	1.190	2.045	19.7	18.1
9 18	1 45.43	+10 20.5	1.114	2.032	15.6	17.8
9 28	1 40.96	+ 9 34.4	1.055	2.020	10.6	17.5
10 8	1 34.05	+ 8 33.2	1.018	2.009	5.0	17.2
10 18	1 25.80	+ 7 24.2	1.004	2.000	1.3	16.9
10 28	1 17.72	+ 6 17.7	1.014	1.991	7.2	17.3
11 7	1 11.28	+ 5 24.2	1.047	1.984	12.8	17.5
11 17	1 7.53	+ 4 50.6	1.100	1.979	17.7	17.8

108093 2001 FX_{177} 10 16.7 136°.22 6°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 56.32	− 7 25.6	2.044	2.871	13.6	19.7
9 18	1 51.10	− 8 12.0	1.981	2.879	10.8	19.6
9 28	1 43.80	− 8 56.1	1.942	2.886	8.1	19.4
10 8	1 35.06	− 9 31.7	1.928	2.893	6.2	19.3
10 18	1 25.69	− 9 53.3	1.942	2.900	6.6	19.4
10 28	1 16.66	− 9 56.9	1.984	2.907	8.8	19.5
11 7	1 8.86	− 9 40.8	2.051	2.913	11.5	19.7
11 17	1 2.91	− 9 6.0	2.142	2.918	14.1	19.9

287431 2002 WH_{28} 10 16.7 245°.11 3°.0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.41	+ 3 12.5	1.962	2.793	14.0	20.5
9 18	1 47.54	+ 2 28.5	1.884	2.791	10.9	20.3
9 28	1 41.57	+ 1 37.7	1.830	2.789	7.3	20.1
10 8	1 34.07	+ 0 44.9	1.800	2.788	3.9	19.9
10 18	1 25.83	− 0 4.1	1.799	2.786	3.5	19.8
10 28	1 17.80	− 0 43.4	1.825	2.784	6.6	20.0
11 7	1 10.88	− 1 8.5	1.879	2.782	10.2	20.2
11 17	1 5.75	− 1 16.9	1.956	2.780	13.4	20.5

72029 2000 XY_{31} 10 16.7 238°.00 0°.2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 58.92	+ 9 22.6	1.701	2.512	16.6	19.9
9 18	1 54.03	+ 9 24.0	1.608	2.501	13.2	19.7
9 28	1 46.38	+ 9 14.7	1.536	2.489	9.1	19.4
10 8	1 36.53	+ 8 56.7	1.489	2.477	4.3	19.1
10 18	1 25.46	+ 8 33.3	1.469	2.465	0.8	18.8
10 28	1 14.44	+ 8 9.7	1.477	2.452	5.8	19.2
11 7	1 4.77	+ 7 51.7	1.513	2.438	10.6	19.4
11 17	0 57.42	+ 7 43.8	1.572	2.424	14.8	19.6

14013 1993 *YF* 10 16.7 327°.16 1°.5/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 48.49	+ 7 16.2	1.916	2.746	14.3	18.7
9 18	1 45.46	+ 6 47.4	1.827	2.733	11.2	18.5
9 28	1 40.30	+ 6 8.5	1.760	2.720	7.5	18.2
10 8	1 33.54	+ 5 23.3	1.718	2.708	3.5	18.0
10 18	1 25.92	+ 4 36.8	1.703	2.697	1.9	17.8
10 28	1 18.41	+ 3 54.9	1.715	2.685	5.7	18.1
11 7	1 11.94	+ 3 22.9	1.754	2.675	9.7	18.3
11 17	1 7.25	+ 3 4.9	1.817	2.665	13.3	18.5

236552 2006 HA_{55} 10 16.7 105°.08 3°.3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.70	+ 4 9.5	1.951	2.779	14.1	20.3
9 18	1 47.59	+ 2 54.9	1.889	2.795	10.9	20.1
9 28	1 41.47	+ 1 32.2	1.851	2.811	7.2	19.9
10 8	1 33.96	+ 0 7.9	1.840	2.826	4.0	19.7
10 18	1 25.88	− 1 11.1	1.856	2.841	3.8	19.8
10 28	1 18.15	− 2 17.7	1.902	2.856	6.8	20.0
11 7	1 11.61	− 3 7.0	1.974	2.870	10.2	20.2
11 17	1 6.84	− 3 36.6	2.070	2.884	13.2	20.4

480005 2014 KN_{98} 10 16.7 176°.36 7°.7/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.75	−13 26.4	2.176	2.999	13.1	21.0
9 18	1 50.61	−14 21.0	2.114	3.000	10.8	20.9
9 28	1 43.47	−15 9.2	2.074	3.001	8.8	20.8
10 8	1 34.92	−15 44.6	2.060	3.001	7.7	20.7
10 18	1 25.74	−16 1.5	2.072	3.002	8.3	20.7
10 28	1 16.88	−15 56.3	2.112	3.002	10.1	20.9
11 7	1 9.16	−15 28.5	2.176	3.001	12.3	21.0
11 17	1 3.22	−14 39.7	2.261	3.001	14.5	21.2

288181 2003 WB_{193} 10 16.7 307°.18 4°.8/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.31	+23 46.7	1.754	2.527	17.7	20.6
9 18	1 47.39	+23 55.6	1.659	2.515	14.8	20.3
9 28	1 41.91	+23 42.4	1.583	2.503	11.4	20.1
10 8	1 34.41	+23 5.9	1.529	2.492	7.8	19.9
10 18	1 25.80	+22 7.2	1.499	2.481	5.0	19.7
10 28	1 17.26	+20 51.8	1.497	2.470	5.9	19.7
11 7	1 9.98	+19 28.2	1.520	2.460	9.4	19.9
11 17	1 4.88	+18 5.9	1.569	2.450	13.1	20.1

166488 2002 PO_{158} 10 16.7 10°.26 2°.8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.23	+17 21.7	1.743	2.538	16.9	19.8
9 18	1 49.43	+17 34.6	1.662	2.539	13.7	19.6
9 28	1 43.13	+17 31.2	1.600	2.539	9.9	19.4
10 8	1 34.92	+17 11.6	1.562	2.540	5.8	19.2
10 18	1 25.73	+16 38.1	1.550	2.541	2.8	19.0
10 28	1 16.74	+15 55.7	1.565	2.543	5.1	19.1
11 7	1 9.07	+15 11.1	1.607	2.544	9.1	19.4
11 17	1 3.56	+14 31.1	1.674	2.546	12.9	19.6

227432 2005 VN_{115} 10 16.7 230°.54 3°.0/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.45	+19 25.0	1.791	2.575	16.9	20.6
9 18	1 49.63	+19 21.9	1.701	2.570	13.8	20.4
9 28	1 43.30	+18 59.6	1.631	2.565	10.2	20.2
10 8	1 35.02	+18 18.5	1.584	2.559	6.1	19.9
10 18	1 25.72	+17 21.1	1.563	2.554	3.1	19.7
10 28	1 16.56	+16 13.3	1.570	2.548	5.1	19.8
11 7	1 8.68	+15 3.4	1.605	2.541	9.2	20.1
11 17	1 2.95	+13 59.1	1.664	2.535	13.1	20.3

522032 2015 XG_{408} 10 16.7 259°.04 2°.7/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.95	+ 4 51.6	2.421	3.246	11.8	21.7
9 18	1 43.69	+ 3 36.5	2.337	3.242	9.1	21.5
9 28	1 38.80	+ 2 12.8	2.278	3.237	6.1	21.3
10 8	1 32.72	+ 0 45.6	2.246	3.233	3.3	21.1
10 18	1 26.08	− 0 39.0	2.244	3.229	3.2	21.1
10 28	1 19.57	− 1 54.9	2.271	3.225	5.9	21.3
11 7	1 13.91	− 2 56.9	2.326	3.220	9.0	21.5
11 17	1 9.62	− 3 41.9	2.406	3.216	11.7	21.7

210626 2000 ET_{100} 10 16.7 10°.61 2°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.28	+15 59.1	1.773	2.571	16.5	21.0
9 18	1 49.41	+16 11.1	1.691	2.572	13.3	20.8
9 28	1 43.08	+16 8.0	1.630	2.573	9.5	20.5
10 8	1 34.89	+15 50.3	1.593	2.574	5.4	20.3
10 18	1 25.75	+15 20.6	1.582	2.575	2.3	20.1
10 28	1 16.80	+14 43.6	1.599	2.577	5.0	20.3
11 7	1 9.15	+14 5.6	1.643	2.579	9.1	20.5
11 17	1 3.61	+13 32.8	1.711	2.581	12.8	20.8

461138 2015 TU_{103} 10 16.7 145°.95 4°.9/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.30	− 4 24.2	2.300	3.133	12.1	21.0
9 18	1 46.30	− 5 18.9	2.230	3.134	9.5	20.8
9 28	1 40.55	− 6 14.4	2.183	3.135	6.9	20.7
10 8	1 33.55	− 7 5.0	2.163	3.135	5.1	20.6
10 18	1 25.96	− 7 45.4	2.171	3.136	5.5	20.6
10 28	1 18.59	− 8 11.2	2.207	3.137	7.6	20.7
11 7	1 12.17	− 8 19.6	2.269	3.137	10.3	20.9
11 17	1 7.27	− 8 10.1	2.354	3.138	12.7	21.1

154038 2002 CY_{73} 10 16.7 311°.82 0°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.78	+10 37.8	1.997	2.810	14.4	21.0
9 18	1 47.15	+10 22.6	1.909	2.803	11.4	20.7
9 28	1 41.40	+ 9 56.2	1.842	2.796	7.7	20.5
10 8	1 34.05	+ 9 20.9	1.801	2.790	3.7	20.3
10 18	1 25.88	+ 8 40.7	1.787	2.783	0.6	20.0
10 28	1 17.84	+ 8 0.8	1.802	2.777	4.9	20.3
11 7	1 10.85	+ 7 26.5	1.844	2.771	8.9	20.5
11 17	1 5.66	+ 7 2.3	1.911	2.765	12.4	20.8

399279 2014 HL_{97} 10 16.7 197°.13 1°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.58	+ 8 17.5	2.338	3.147	12.7	22.3
9 18	1 47.36	+ 7 27.0	2.250	3.144	9.9	22.1
9 28	1 41.32	+ 6 26.3	2.185	3.141	6.6	21.9
10 8	1 33.95	+ 5 19.2	2.147	3.137	3.1	21.7
10 18	1 25.91	+ 4 10.8	2.139	3.132	1.8	21.6
10 28	1 18.04	+ 3 6.9	2.161	3.127	5.1	21.8
11 7	1 11.09	+ 2 12.8	2.211	3.121	8.5	22.0
11 17	1 5.69	+ 1 32.2	2.287	3.115	11.6	22.2

229855 2009 ST_{288} 10 16.7 9°.69 0°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.07	+ 7 31.8	1.978	2.795	14.4	19.9
9 18	1 48.85	+ 7 33.1	1.899	2.796	11.2	19.7
9 28	1 42.49	+ 7 26.8	1.842	2.798	7.6	19.5
10 8	1 34.55	+ 7 15.2	1.810	2.800	3.5	19.3
10 18	1 25.83	+ 7 1.6	1.806	2.802	1.1	19.1
10 28	1 17.31	+ 6 49.9	1.831	2.804	5.0	19.4
11 7	1 9.93	+ 6 44.2	1.883	2.807	8.9	19.6
11 17	1 4.39	+ 6 47.3	1.960	2.811	12.3	19.8

432668 2011 AJ_{47} 10 16.7 283°.33 2°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.39	+ 7 12.0	1.476	2.315	17.4	21.1
9 18	1 49.22	+ 6 29.2	1.391	2.302	13.6	20.8
9 28	1 43.26	+ 5 32.4	1.326	2.288	9.2	20.5
10 8	1 35.10	+ 4 26.7	1.285	2.275	4.4	20.2
10 18	1 25.73	+ 3 19.4	1.269	2.262	2.8	20.1
10 28	1 16.48	+ 2 19.5	1.279	2.248	7.4	20.3
11 7	1 8.64	+ 1 35.1	1.315	2.235	12.3	20.6
11 17	1 3.20	+ 1 11.0	1.372	2.222	16.6	20.8

334224 2001 TL_{53} 10 16.7 12°.69 2°.1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.81	+ 6 0.2	1.064	1.930	20.7	19.8
9 18	1 48.58	+ 5 53.6	1.009	1.934	16.2	19.5
9 28	1 43.03	+ 5 35.5	0.971	1.939	10.9	19.3
10 8	1 34.98	+ 5 11.1	0.955	1.946	5.1	19.0
10 18	1 25.78	+ 4 47.1	0.961	1.955	2.6	18.8
10 28	1 17.07	+ 4 31.1	0.990	1.965	7.8	19.2
11 7	1 10.34	+ 4 29.1	1.042	1.977	13.1	19.5
11 17	1 6.51	+ 4 44.2	1.113	1.990	17.7	19.9

289770 2005 JB_{90} 10 16.7 193°.86 1°.2/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.42	+ 9 1.8	1.805	2.620	15.7	21.7
9 18	1 50.94	+ 8 24.3	1.722	2.618	12.3	21.5
9 28	1 44.05	+ 7 34.3	1.660	2.616	8.3	21.3
10 8	1 35.34	+ 6 35.7	1.624	2.613	3.8	21.0
10 18	1 25.73	+ 5 34.1	1.615	2.610	1.6	20.8
10 28	1 16.32	+ 4 36.5	1.636	2.606	5.9	21.1
11 7	1 8.20	+ 3 49.6	1.683	2.602	10.2	21.4
11 17	1 2.14	+ 3 17.9	1.755	2.596	14.0	21.6

514628 2004 TG_{3} 10 16.7 91°.40 0°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.71	+11 28.0	2.244	3.041	13.5	21.7
9 18	1 49.09	+11 32.1	2.163	3.047	10.7	21.5
9 28	1 42.52	+11 26.8	2.104	3.052	7.3	21.3
10 8	1 34.54	+11 13.4	2.072	3.058	3.6	21.1
10 18	1 25.86	+10 54.6	2.067	3.063	0.6	20.8
10 28	1 17.38	+10 34.1	2.093	3.069	4.2	21.1
11 7	1 9.93	+10 15.8	2.147	3.074	7.8	21.4
11 17	1 4.15	+10 3.5	2.227	3.080	11.0	21.6

317277 2002 EQ_{127} 10 16.7 318°.22 3°.0/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.26	+18 28.7	2.158	2.933	14.7	20.7
9 18	1 49.01	+18 47.3	2.069	2.932	12.0	20.5
9 28	1 42.64	+18 51.9	2.000	2.931	8.8	20.3
10 8	1 34.66	+18 42.5	1.956	2.930	5.4	20.1
10 18	1 25.84	+18 20.4	1.940	2.928	3.0	20.0
10 28	1 17.14	+17 49.1	1.952	2.928	4.6	20.1
11 7	1 9.50	+17 13.8	1.993	2.927	7.9	20.3
11 17	1 3.65	+16 39.8	2.059	2.926	11.1	20.5

411977 2012 HT_{65} 10 16.7 222°.59 2°.9/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.87	+21 11.6	2.561	3.318	13.1	21.4
9 18	1 46.05	+21 4.8	2.463	3.314	10.7	21.2
9 28	1 40.46	+20 43.0	2.388	3.310	8.0	21.1
10 8	1 33.57	+20 6.7	2.337	3.305	5.1	20.9
10 18	1 26.01	+19 17.8	2.314	3.301	2.9	20.7
10 28	1 18.56	+18 20.1	2.321	3.296	4.0	20.8
11 7	1 11.98	+17 19.1	2.357	3.291	6.8	21.0
11 17	1 6.86	+16 20.2	2.420	3.286	9.7	21.1

490588 2009 WF_{133} 10 16.7 300°.58 1°.3/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 48.41	+15 47.9	2.209	3.003	13.8	21.6
9 18	1 45.24	+15 29.0	2.105	2.985	11.1	21.4
9 28	1 40.11	+14 55.4	2.023	2.967	7.9	21.1
10 8	1 33.48	+14 8.8	1.967	2.950	4.2	20.9
10 18	1 26.02	+13 12.1	1.937	2.932	1.3	20.7
10 28	1 18.60	+12 10.6	1.937	2.915	4.2	20.8
11 7	1 12.08	+11 10.4	1.965	2.898	8.0	21.0
11 17	1 7.17	+10 17.3	2.018	2.881	11.5	21.2

487436 2014 RW_{29} 10 16.7 3°.04 3°.2/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.73	+18 23.0	1.966	2.751	15.6	20.8
9 18	1 48.02	+18 46.8	1.882	2.751	12.7	20.6
9 28	1 42.07	+18 56.0	1.818	2.751	9.4	20.4
10 8	1 34.42	+18 50.2	1.778	2.752	5.8	20.2
10 18	1 25.89	+18 30.8	1.764	2.753	3.3	20.1
10 28	1 17.50	+18 1.5	1.779	2.754	4.8	20.2
11 7	1 10.25	+17 27.8	1.820	2.756	8.3	20.4
11 17	1 4.92	+16 55.5	1.887	2.759	11.7	20.6

513515 2009 SO_{250} 10 16.7 330°.95 0°.9/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.78	+ 6 10.1	1.193	2.045	19.9	21.0
9 18	1 51.92	+ 6 36.1	1.110	2.026	15.8	20.7
9 28	1 45.61	+ 6 54.5	1.046	2.009	10.9	20.4
10 8	1 36.44	+ 7 7.7	1.002	1.993	5.2	20.0
10 18	1 25.56	+ 7 19.0	0.982	1.978	1.4	19.7
10 28	1 14.67	+ 7 33.2	0.987	1.964	7.4	20.1
11 7	1 5.50	+ 7 55.0	1.015	1.952	13.2	20.4
11 17	0 59.34	+ 8 27.9	1.063	1.940	18.3	20.6

509977 2009 TF_{11} 10 16.7 13°.15 0°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.79	+ 8 53.4	1.232	2.073	19.9	20.4
9 18	1 52.24	+ 9 13.8	1.166	2.076	15.8	20.2
9 28	1 45.45	+ 9 22.5	1.118	2.079	10.8	19.9
10 8	1 36.16	+ 9 21.7	1.093	2.083	5.2	19.6
10 18	1 25.63	+ 9 14.8	1.091	2.087	0.7	19.3
10 28	1 15.47	+ 9 7.5	1.115	2.093	6.6	19.7
11 7	1 7.18	+ 9 5.8	1.163	2.100	11.9	20.1
11 17	1 1.74	+ 9 14.0	1.232	2.107	16.4	20.4

490870 2011 AQ_{69} 10 16.7 230°.92 5°.0/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.54	− 6 7.2	2.551	3.379	11.2	22.2
9 18	1 46.37	− 6 58.5	2.473	3.373	8.9	22.0
9 28	1 40.57	− 7 49.5	2.420	3.367	6.6	21.9
10 8	1 33.58	− 8 35.1	2.394	3.361	5.1	21.8
10 18	1 26.03	− 9 10.5	2.396	3.355	5.5	21.8
10 28	1 18.63	− 9 31.6	2.426	3.348	7.5	21.9
11 7	1 12.08	− 9 36.1	2.483	3.342	9.9	22.0
11 17	1 6.92	− 9 23.5	2.564	3.335	12.1	22.2

452392 2002 PS_{39} 10 16.7 106°.88 5°.5/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.82	+30 43.0	2.783	3.472	13.6	21.4
9 18	1 49.00	+31 7.5	2.702	3.490	11.7	21.3
9 28	1 42.36	+31 14.8	2.642	3.507	9.5	21.2
10 8	1 34.44	+31 3.7	2.604	3.525	7.4	21.0
10 18	1 25.91	+30 34.3	2.594	3.542	5.8	21.0
10 28	1 17.59	+29 49.3	2.611	3.558	5.6	21.0
11 7	1 10.24	+28 53.3	2.658	3.575	7.0	21.1
11 17	1 4.47	+27 52.0	2.731	3.591	8.9	21.3

481974 2009 FY_{36} 10 16.7 306°.81 4°.1/13.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.81	+ 2 36.1	1.629	2.475	15.7	21.3
9 18	1 47.02	+ 1 41.9	1.535	2.450	12.3	21.0
9 28	1 41.70	+ 0 37.7	1.463	2.426	8.4	20.7
10 8	1 34.38	− 0 30.2	1.415	2.401	4.9	20.5
10 18	1 25.89	− 1 34.2	1.392	2.377	4.7	20.4
10 28	1 17.41	− 2 25.6	1.396	2.354	8.4	20.6
11 7	1 10.11	− 2 57.9	1.425	2.330	12.7	20.8
11 17	1 4.92	− 3 7.5	1.475	2.307	16.6	20.9

410876 2009 SH_{33} 10 16.7 351°.91 1°.3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.21	+16 49.0	2.024	2.822	14.8	20.6
9 18	1 44.36	+16 13.7	1.938	2.820	11.8	20.4
9 28	1 39.49	+15 21.3	1.873	2.818	8.3	20.2
10 8	1 33.16	+14 14.1	1.833	2.816	4.4	20.0
10 18	1 26.09	+12 56.5	1.820	2.815	1.3	19.7
10 28	1 19.21	+11 35.3	1.835	2.814	4.4	20.0
11 7	1 13.36	+10 17.8	1.879	2.813	8.2	20.2
11 17	1 9.23	+ 9 10.5	1.948	2.812	11.7	20.4

429448 2010 VL_{124} 10 16.7 286°.83 0°.7/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.37	+12 20.1	1.429	2.253	18.6	22.2
9 18	1 51.08	+12 17.4	1.338	2.237	14.9	21.9
9 28	1 44.74	+11 58.6	1.266	2.221	10.4	21.6
10 8	1 35.93	+11 25.2	1.216	2.204	5.2	21.3
10 18	1 25.66	+10 41.2	1.192	2.188	0.9	20.9
10 28	1 15.39	+ 9 53.7	1.193	2.171	6.2	21.2
11 7	1 6.60	+ 9 11.0	1.220	2.155	11.6	21.5
11 17	1 0.40	+ 8 40.3	1.269	2.139	16.4	21.7

101547 1998 YM_{27} 10 16.7 315°.22 6°.0/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 54.81	+24 12.6	2.067	2.815	16.1	19.4
9 18	1 50.79	+25 13.7	1.958	2.793	13.7	19.2
9 28	1 44.25	+26 0.4	1.869	2.772	10.9	19.0
10 8	1 35.63	+26 29.6	1.803	2.751	8.1	18.7
10 18	1 25.70	+26 39.2	1.763	2.731	6.2	18.6
10 28	1 15.59	+26 30.0	1.750	2.711	6.7	18.6
11 7	1 6.49	+26 6.4	1.764	2.691	9.2	18.7
11 17	0 59.38	+25 34.7	1.803	2.672	12.4	18.9

219939 2002 GN_{139} 10 16.7 163°.71 1°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.59	+ 5 57.0	2.435	3.250	12.1	20.7
9 18	1 46.48	+ 5 22.8	2.354	3.252	9.4	20.5
9 28	1 40.67	+ 4 41.6	2.297	3.254	6.2	20.4
10 8	1 33.65	+ 3 56.9	2.267	3.256	3.0	20.1
10 18	1 26.04	+ 3 12.7	2.266	3.258	2.0	20.1
10 28	1 18.61	+ 2 33.6	2.294	3.259	5.0	20.3
11 7	1 12.07	+ 2 3.7	2.351	3.261	8.1	20.5
11 17	1 6.99	+ 1 45.6	2.433	3.262	11.0	20.7

515515 2014 EQ_{45} 10 16.7 232°.38 0°.5/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.00	+ 9 15.6	1.963	2.773	14.8	22.4
9 18	1 50.52	+ 9 1.9	1.872	2.765	11.6	22.2
9 28	1 43.75	+ 8 37.8	1.802	2.756	7.9	21.9
10 8	1 35.24	+ 8 5.9	1.759	2.747	3.7	21.7
10 18	1 25.79	+ 7 30.1	1.743	2.738	0.9	21.4
10 28	1 16.46	+ 6 55.5	1.756	2.729	5.2	21.7
11 7	1 8.25	+ 6 27.5	1.796	2.719	9.4	22.0
11 17	1 1.96	+ 6 10.1	1.861	2.709	13.0	22.2

225222 2008 SP_{32} 10 16.7 358°.51 1°.6/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.89	+18 30.0	4.009	4.768	8.7	20.2
9 18	1 40.73	+18 22.5	3.913	4.767	7.0	20.1
9 28	1 36.54	+18 6.5	3.840	4.767	5.1	19.9
10 8	1 31.62	+17 42.7	3.794	4.767	3.1	19.8
10 18	1 26.35	+17 12.7	3.777	4.767	1.6	19.7
10 28	1 21.15	+16 38.6	3.791	4.767	2.5	19.8
11 7	1 16.44	+16 3.1	3.835	4.767	4.5	19.9
11 17	1 12.57	+15 29.0	3.906	4.767	6.5	20.0

515678 2014 OK_{399} 10 16.7 141°.02 0°.4/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.50	+11 1.1	2.227	3.036	13.3	22.0
9 18	1 45.85	+10 23.9	2.145	3.037	10.4	21.8
9 28	1 40.36	+ 9 35.2	2.085	3.039	7.0	21.6
10 8	1 33.54	+ 8 38.2	2.051	3.040	3.3	21.4
10 18	1 26.07	+ 7 37.2	2.046	3.041	0.8	21.2
10 28	1 18.79	+ 6 38.1	2.069	3.043	4.6	21.5
11 7	1 12.48	+ 5 46.1	2.121	3.044	8.2	21.7
11 17	1 7.74	+ 5 5.6	2.199	3.045	11.3	21.9

391925 2008 UU_{291} 10 16.7 311°.84 0°.8/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.36	+12 9.0	1.539	2.363	17.5	21.7
9 18	1 49.23	+12 10.0	1.449	2.348	14.0	21.5
9 28	1 43.33	+11 56.5	1.378	2.333	9.8	21.2
10 8	1 35.21	+11 30.2	1.330	2.318	4.9	20.9
10 18	1 25.82	+10 54.5	1.308	2.304	0.9	20.5
10 28	1 16.48	+10 15.7	1.312	2.290	5.8	20.8
11 7	1 8.48	+ 9 40.8	1.342	2.277	10.7	21.1
11 17	1 2.84	+ 9 16.3	1.394	2.264	15.2	21.3

104821 2000 HR_{55} 10 16.7 245°.48 1°.0/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.57	+13 57.1	1.803	2.605	16.2	20.5
9 18	1 50.52	+13 45.0	1.708	2.594	13.0	20.3
9 28	1 43.95	+13 17.6	1.633	2.581	9.1	20.0
10 8	1 35.42	+12 36.5	1.583	2.569	4.7	19.7
10 18	1 25.80	+11 45.2	1.560	2.556	1.0	19.5
10 28	1 16.25	+10 49.8	1.566	2.543	5.2	19.7
11 7	1 7.91	+ 9 57.6	1.598	2.529	9.7	20.0
11 17	1 1.67	+ 9 14.8	1.655	2.515	13.7	20.2

478810 2012 VN_{2} 10 16.7 12°.71 3°.4/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.54	+22 52.1	1.408	2.209	19.9	20.4
9 18	1 44.75	+22 12.3	1.334	2.212	16.4	20.1
9 28	1 40.22	+21 2.6	1.277	2.215	12.1	19.9
10 8	1 33.65	+19 24.9	1.243	2.219	7.4	19.6
10 18	1 26.09	+17 25.3	1.233	2.224	3.6	19.4
10 28	1 18.87	+15 15.1	1.249	2.229	5.6	19.6
11 7	1 13.20	+13 7.9	1.291	2.235	10.1	19.9
11 17	1 9.89	+11 15.6	1.357	2.243	14.5	20.1

472904 2015 FK_{341} 10 16.7 156°.41 5°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.34	− 1 12.4	1.635	2.475	15.9	21.1
9 18	1 50.98	− 2 13.5	1.569	2.478	12.4	20.9
9 28	1 44.10	− 3 19.0	1.524	2.481	8.7	20.7
10 8	1 35.39	− 4 21.5	1.504	2.484	5.7	20.5
10 18	1 25.84	− 5 13.1	1.511	2.487	5.9	20.5
10 28	1 16.62	− 5 46.9	1.544	2.489	9.0	20.7
11 7	1 8.84	− 5 59.0	1.602	2.491	12.6	21.0
11 17	1 3.25	− 5 48.7	1.683	2.492	15.9	21.2

80554 2000 AJ_{91} 10 16.7 121°.29 2°.7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 55.81	+ 5 3.1	1.783	2.607	15.4	19.7
9 18	1 51.02	+ 4 12.7	1.720	2.622	11.9	19.5
9 28	1 43.94	+ 3 13.6	1.678	2.637	8.0	19.3
10 8	1 35.25	+ 2 11.4	1.663	2.651	4.0	19.1
10 18	1 25.87	+ 1 12.4	1.675	2.664	3.2	19.1
10 28	1 16.89	+ 0 23.5	1.716	2.677	6.7	19.3
11 7	1 9.27	− 0 10.5	1.783	2.689	10.5	19.6
11 17	1 3.71	− 0 26.8	1.874	2.701	13.8	19.8

310265 2011 UA_{38} 10 16.7 31°.83 2°.5/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.94	+18 26.1	1.836	2.628	16.3	21.1
9 18	1 47.50	+18 18.2	1.756	2.631	13.2	20.9
9 28	1 41.76	+17 52.4	1.696	2.634	9.6	20.7
10 8	1 34.30	+17 9.7	1.659	2.637	5.6	20.5
10 18	1 25.99	+16 13.4	1.649	2.641	2.6	20.3
10 28	1 17.92	+15 9.5	1.666	2.644	4.8	20.4
11 7	1 11.07	+14 5.4	1.711	2.648	8.7	20.7
11 17	1 6.22	+13 8.1	1.781	2.653	12.3	20.9

143286 2003 AT_{29} 10 16.7 313°.62 2°.1/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.15	+ 6 13.1	1.727	2.562	15.4	19.6
9 18	1 47.09	+ 5 42.1	1.636	2.545	12.1	19.3
9 28	1 41.64	+ 5 0.6	1.567	2.528	8.1	19.1
10 8	1 34.32	+ 4 13.0	1.522	2.512	4.0	18.8
10 18	1 25.98	+ 3 24.9	1.504	2.496	2.5	18.6
10 28	1 17.71	+ 2 43.0	1.512	2.481	6.6	18.9
11 7	1 10.60	+ 2 13.4	1.547	2.466	10.9	19.1
11 17	1 5.50	+ 2 0.2	1.604	2.451	14.8	19.3

406308 2007 HG_{60} 10 16.7 142°.11 2°.7/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.14	+ 2 20.9	2.773	3.591	10.7	21.9
9 18	1 45.09	+ 1 25.0	2.700	3.601	8.2	21.7
9 28	1 39.60	+ 0 24.5	2.653	3.609	5.5	21.6
10 8	1 33.12	− 0 36.4	2.633	3.618	3.2	21.4
10 18	1 26.19	− 1 33.3	2.643	3.626	3.1	21.4
10 28	1 19.44	− 2 21.8	2.683	3.633	5.3	21.6
11 7	1 13.48	− 2 58.6	2.752	3.641	7.9	21.8
11 17	1 8.77	− 3 21.7	2.845	3.647	10.3	21.9

320699 2008 DT_{26} 10 16.7 131°.73 1°.6/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.90	+ 6 57.7	2.068	2.889	13.7	20.7
9 18	1 47.07	+ 6 21.4	1.989	2.890	10.7	20.5
9 28	1 41.26	+ 5 36.0	1.933	2.891	7.1	20.3
10 8	1 34.00	+ 4 45.5	1.902	2.892	3.4	20.0
10 18	1 26.05	+ 3 54.7	1.900	2.893	2.0	19.9
10 28	1 18.30	+ 3 9.4	1.926	2.893	5.5	20.2
11 7	1 11.60	+ 2 34.4	1.979	2.894	9.1	20.4
11 17	1 6.60	+ 2 13.1	2.058	2.895	12.4	20.6

446693 2015 OD_{24} 10 16.7 56°.38 2°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.44	+ 6 22.0	1.656	2.489	16.0	20.9
9 18	1 48.56	+ 5 41.9	1.598	2.506	12.4	20.8
9 28	1 42.35	+ 4 52.1	1.561	2.522	8.2	20.5
10 8	1 34.51	+ 3 57.8	1.549	2.539	3.9	20.3
10 18	1 25.99	+ 3 5.3	1.564	2.556	2.6	20.3
10 28	1 17.89	+ 2 21.2	1.606	2.573	6.4	20.6
11 7	1 11.18	+ 1 50.8	1.674	2.591	10.4	20.8
11 17	1 6.54	+ 1 36.9	1.765	2.608	13.8	21.1

512062 2015 MF_{117} 10 16.7 249°.86 9°.7/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.85	−13 21.2	1.843	2.687	14.2	20.6
9 18	1 46.53	−15 31.3	1.788	2.684	11.9	20.4
9 28	1 41.02	−17 36.7	1.757	2.682	10.2	20.3
10 8	1 33.92	−19 26.7	1.751	2.679	9.8	20.3
10 18	1 26.07	−20 51.8	1.770	2.677	10.9	20.4
10 28	1 18.47	−21 45.4	1.813	2.674	12.9	20.5
11 7	1 12.06	−22 5.7	1.878	2.671	15.2	20.6
11 17	1 7.54	−21 54.5	1.961	2.668	17.4	20.8

379199 2009 SF_{53} 10 16.7 78°.14 2°.7/18.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 56.72	+18 28.9	1.490	2.286	19.2	20.5
9 18	1 52.27	+18 21.1	1.431	2.309	15.5	20.3
9 28	1 45.03	+17 52.2	1.391	2.331	11.1	20.1
10 8	1 35.82	+17 3.8	1.374	2.354	6.3	19.9
10 18	1 25.80	+16 0.5	1.383	2.376	2.8	19.8
10 28	1 16.33	+14 50.2	1.419	2.397	5.4	20.0
11 7	1 8.59	+13 41.9	1.482	2.419	9.7	20.3
11 17	1 3.35	+12 43.5	1.568	2.440	13.7	20.6

47010 1998 UD_{20} 10 16.7 26°.28 3°.0/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.82	+ 3 53.4	1.761	2.602	14.9	18.5
9 18	1 45.67	+ 3 7.1	1.700	2.612	11.5	18.3
9 28	1 40.38	+ 2 13.4	1.660	2.623	7.7	18.1
10 8	1 33.59	+ 1 17.8	1.646	2.634	4.0	18.0
10 18	1 26.13	+ 0 26.7	1.658	2.646	3.5	17.9
10 28	1 19.00	− 0 13.9	1.697	2.659	6.8	18.2
11 7	1 13.09	− 0 39.2	1.762	2.672	10.4	18.4
11 17	1 9.04	− 0 47.1	1.850	2.686	13.6	18.7

217745 2000 CU_{55} 10 16.7 331°.34 5°.9/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 48.48	+19 14.7	1.120	1.952	22.2	19.1
9 18	1 47.46	+20 11.9	1.033	1.929	18.6	18.8
9 28	1 42.94	+20 48.9	0.962	1.906	14.2	18.4
10 8	1 35.36	+21 1.9	0.910	1.886	9.5	18.1
10 18	1 25.81	+20 49.2	0.879	1.866	6.0	17.8
10 28	1 16.07	+20 14.3	0.870	1.848	7.9	17.9
11 7	1 8.04	+19 26.8	0.882	1.832	12.8	18.1
11 17	1 3.19	+18 38.2	0.915	1.817	18.0	18.3

54870 2001 OT_{43} 10 16.7 25°.55 0°.4/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.91	+11 4.9	1.747	2.569	15.8	18.9
9 18	1 46.68	+10 32.2	1.673	2.573	12.4	18.7
9 28	1 41.18	+ 9 45.7	1.621	2.577	8.4	18.5
10 8	1 34.02	+ 8 49.0	1.592	2.582	3.9	18.2
10 18	1 26.07	+ 7 47.7	1.591	2.587	0.9	18.0
10 28	1 18.38	+ 6 48.7	1.617	2.592	5.4	18.4
11 7	1 11.94	+ 5 58.7	1.670	2.598	9.6	18.6
11 17	1 7.46	+ 5 22.5	1.747	2.604	13.3	18.9

490552 2009 VR_{90} 10 16.7 353°.54 4°.8/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.07	+25 44.1	2.131	2.880	15.6	20.9
9 18	1 45.91	+25 53.1	2.041	2.878	13.2	20.7
9 28	1 40.64	+25 42.6	1.969	2.876	10.3	20.5
10 8	1 33.78	+25 11.6	1.921	2.874	7.3	20.3
10 18	1 26.10	+24 21.4	1.899	2.873	5.1	20.2
10 28	1 18.56	+23 16.2	1.904	2.873	5.4	20.2
11 7	1 12.10	+22 2.8	1.936	2.872	7.9	20.4
11 17	1 7.42	+20 48.4	1.995	2.872	10.9	20.6

398898 2013 CO_{121} 10 16.7 317°.16 1°.9/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.85	+15 58.6	1.868	2.666	15.8	21.0
9 18	1 48.24	+15 57.1	1.781	2.661	12.8	20.8
9 28	1 42.30	+15 40.1	1.714	2.657	9.1	20.6
10 8	1 34.60	+15 8.8	1.671	2.653	5.0	20.4
10 18	1 25.98	+14 26.1	1.656	2.650	1.9	20.1
10 28	1 17.50	+13 37.2	1.668	2.646	4.8	20.3
11 7	1 10.20	+12 48.8	1.707	2.642	8.8	20.6
11 17	1 4.87	+12 7.0	1.771	2.639	12.6	20.8

360180 2013 CD_{137} 10 16.7 244°.48 1°.7/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 42.22	+ 1 28.4	4.573	5.389	6.8	20.8
9 18	1 39.27	+ 0 52.2	4.487	5.386	5.2	20.6
9 28	1 35.49	+ 0 13.8	4.427	5.382	3.5	20.5
10 8	1 31.14	− 0 24.6	4.395	5.379	2.0	20.4
10 18	1 26.50	− 1 0.9	4.393	5.376	2.0	20.4
10 28	1 21.93	− 1 32.6	4.422	5.372	3.4	20.5
11 7	1 17.76	− 1 58.0	4.480	5.369	5.1	20.6
11 17	1 14.27	− 2 15.6	4.565	5.365	6.7	20.8

201003 2002 CL_{172} 10 16.7 73°.38 2°.7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.01	+ 4 36.2	1.621	2.454	16.3	19.4
9 18	1 50.60	+ 3 59.8	1.563	2.470	12.6	19.2
9 28	1 43.75	+ 3 15.5	1.526	2.487	8.4	19.0
10 8	1 35.19	+ 2 28.4	1.514	2.503	4.2	18.8
10 18	1 25.92	+ 1 44.8	1.529	2.520	3.1	18.7
10 28	1 17.11	+ 1 11.1	1.571	2.536	6.8	19.0
11 7	1 9.77	+ 0 51.8	1.640	2.552	10.8	19.3
11 17	1 4.61	+ 0 49.1	1.731	2.569	14.3	19.5

298072 2002 QB_{113} 10 16.7 6°.56 1°.2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.51	+10 21.4	1.426	2.268	17.7	21.0
9 18	1 45.32	+ 9 36.7	1.357	2.269	13.8	20.7
9 28	1 40.52	+ 8 35.4	1.308	2.270	9.3	20.5
10 8	1 33.79	+ 7 22.6	1.281	2.272	4.3	20.2
10 18	1 26.12	+ 6 6.0	1.280	2.275	1.7	20.0
10 28	1 18.76	+ 4 54.9	1.305	2.279	6.5	20.4
11 7	1 12.82	+ 3 57.5	1.355	2.284	11.2	20.6
11 17	1 9.14	+ 3 19.4	1.427	2.290	15.3	20.9

351400 2005 EY_{241} 10 16.7 235°.84 1°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 57.67	+13 50.3	2.252	3.032	14.0	21.9
9 18	1 52.46	+14 5.8	2.148	3.020	11.3	21.7
9 28	1 45.05	+14 10.9	2.066	3.007	8.0	21.4
10 8	1 35.92	+14 5.9	2.011	2.993	4.3	21.2
10 18	1 25.81	+13 52.3	1.984	2.979	1.5	21.0
10 28	1 15.70	+13 33.3	1.988	2.964	4.4	21.1
11 7	1 6.57	+13 13.2	2.021	2.949	8.2	21.3
11 17	0 59.21	+12 56.6	2.080	2.933	11.6	21.5

515427 2013 HE_{157} 10 16.7 116°.02 4°.0/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.64	− 1 17.2	2.426	3.255	11.7	22.3
9 18	1 45.68	− 2 21.1	2.361	3.265	9.1	22.1
9 28	1 40.10	− 3 27.8	2.320	3.275	6.3	22.0
10 8	1 33.40	− 4 31.9	2.306	3.284	4.3	21.9
10 18	1 26.19	− 5 28.2	2.322	3.294	4.5	21.9
10 28	1 19.22	− 6 11.8	2.366	3.303	6.8	22.1
11 7	1 13.16	− 6 39.5	2.436	3.312	9.4	22.3
11 17	1 8.52	− 6 50.2	2.531	3.320	11.8	22.4

243932 2001 OL_{88} 10 16.7 128°.54 7°.2/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 55.18	+30 20.0	2.071	2.785	17.0	20.1
9 18	1 50.94	+31 5.0	1.983	2.787	14.7	19.9
9 28	1 44.20	+31 29.3	1.913	2.788	12.1	19.8
10 8	1 35.55	+31 29.9	1.865	2.790	9.5	19.6
10 18	1 25.86	+31 5.7	1.841	2.792	7.5	19.5
10 28	1 16.30	+30 19.0	1.844	2.793	7.4	19.5
11 7	1 7.98	+29 16.2	1.873	2.795	9.1	19.6
11 17	1 1.78	+28 5.4	1.928	2.796	11.7	19.8

478833 2012 VE_{39} 10 16.7 309°.05 3°.5/14.7 18

9 8	1 57.07	+ 0 58.1	1.568	2.405	16.6	21.0
9 18	1 52.80	+ 0 53.5	1.480	2.389	13.1	20.7
9 28	1 45.70	+ 0 45.2	1.413	2.373	9.0	20.4
10 8	1 36.35	+ 0 37.9	1.370	2.357	4.9	20.2
10 18	1 25.74	+ 0 36.5	1.353	2.342	3.9	20.1
10 28	1 15.20	+ 0 45.8	1.363	2.327	7.7	20.3
11 7	1 6.05	+ 1 9.3	1.398	2.312	12.2	20.5
11 17	0 59.29	+ 1 48.2	1.456	2.298	16.3	20.7

99425 2002 AE_{190} 10 16.7 59°.00 5°.0/13.7 18

9 8	1 56.63	+ 1 31.2	1.162	2.019	19.9	19.2
9 18	1 52.64	+ 0 37.5	1.117	2.036	15.4	19.0
9 28	1 45.47	− 0 23.1	1.090	2.054	10.5	18.8
10 8	1 36.08	− 1 22.0	1.085	2.072	6.0	18.6
10 18	1 25.82	− 2 9.7	1.105	2.090	5.6	18.7
10 28	1 16.27	− 2 38.3	1.149	2.109	9.5	19.0
11 7	1 8.75	− 2 43.7	1.217	2.127	14.0	19.3
11 17	1 4.04	− 2 25.5	1.304	2.146	17.9	19.6

223356 2003 RP_{23} 10 16.7 3°.92 1°.1/15.8 18

9 8	1 48.43	+ 8 35.3	1.776	2.607	15.2	19.9
9 18	1 45.52	+ 8 9.7	1.701	2.606	11.9	19.7
9 28	1 40.40	+ 7 32.9	1.647	2.607	8.0	19.4
10 8	1 33.67	+ 6 48.9	1.618	2.608	3.7	19.2
10 18	1 26.15	+ 6 2.6	1.615	2.610	1.5	19.0
10 28	1 18.86	+ 5 20.3	1.640	2.613	5.6	19.3
11 7	1 12.73	+ 4 47.5	1.691	2.617	9.7	19.6
11 17	1 8.49	+ 4 28.2	1.765	2.621	13.2	19.8

516005 2015 RD_{253} 10 16.7 53°.65 0°.4/16.4 18

9 8	1 52.50	+ 9 30.1	1.923	2.739	14.8	21.4
9 18	1 48.43	+ 9 16.6	1.852	2.748	11.6	21.2
9 28	1 42.22	+ 8 52.9	1.803	2.758	7.8	21.0
10 8	1 34.49	+ 8 21.9	1.779	2.768	3.6	20.8
10 18	1 26.04	+ 7 47.6	1.782	2.778	0.8	20.6
10 28	1 17.88	+ 7 15.0	1.814	2.789	5.0	20.9
11 7	1 10.91	+ 6 49.1	1.873	2.799	8.9	21.2
11 17	1 5.80	+ 6 33.6	1.957	2.810	12.3	21.4

351054 2003 SW_{259} 10 16.7 325°.77 0°.9/16.2 18

9 8	1 52.20	+ 7 40.1	1.444	2.284	17.6	20.3
9 18	1 49.28	+ 7 42.6	1.355	2.265	14.0	20.0
9 28	1 43.49	+ 7 34.7	1.286	2.247	9.6	19.7
10 8	1 35.37	+ 7 19.2	1.239	2.229	4.5	19.4
10 18	1 25.89	+ 7 0.3	1.217	2.213	1.3	19.1
10 28	1 16.42	+ 6 43.9	1.221	2.197	6.6	19.4
11 7	1 8.34	+ 6 35.9	1.250	2.182	11.7	19.7
11 17	1 2.71	+ 6 40.8	1.300	2.168	16.2	19.9

29336 1994 YT_{1} 10 16.7 325°.54 1°.1/16.0 18

9 8	1 52.42	+ 8 29.3	1.406	2.245	18.1	18.4
9 18	1 49.39	+ 8 14.1	1.326	2.236	14.2	18.2
9 28	1 43.48	+ 7 45.9	1.266	2.227	9.7	17.9
10 8	1 35.31	+ 7 8.1	1.228	2.218	4.5	17.6
10 18	1 25.91	+ 6 26.6	1.215	2.210	1.6	17.3
10 28	1 16.68	+ 5 48.6	1.228	2.203	6.7	17.7
11 7	1 8.95	+ 5 21.3	1.266	2.196	11.8	17.9
11 17	1 3.71	+ 5 9.7	1.325	2.190	16.2	18.2

292040 2006 QW_{182} 10 16.7 78°.27 0°.5/17.2 18

9 8	1 52.49	+12 39.5	1.893	2.700	15.3	20.8
9 18	1 48.54	+12 23.7	1.816	2.706	12.1	20.6
9 28	1 42.37	+11 54.7	1.761	2.712	8.3	20.4
10 8	1 34.59	+11 15.0	1.731	2.718	4.1	20.1
10 18	1 26.04	+10 28.4	1.728	2.724	0.6	19.9
10 28	1 17.73	+ 9 40.8	1.753	2.730	4.8	20.2
11 7	1 10.63	+ 8 58.2	1.806	2.736	8.8	20.5
11 17	1 5.45	+ 8 25.4	1.883	2.742	12.4	20.7

374727 2006 SO_{65} 10 16.7 13°.84 0°.6/16.4 18

9 8	1 48.83	+ 9 22.2	0.920	1.793	22.6	20.5
9 18	1 47.50	+ 9 21.8	0.870	1.798	17.8	20.2
9 28	1 42.57	+ 9 4.1	0.836	1.805	12.0	19.9
10 8	1 34.91	+ 8 33.7	0.822	1.813	5.7	19.6
10 18	1 26.00	+ 7 57.5	0.828	1.824	1.2	19.4
10 28	1 17.64	+ 7 25.1	0.857	1.836	7.5	19.8
11 7	1 11.46	+ 7 5.0	0.906	1.850	13.4	20.2
11 17	1 8.39	+ 7 2.2	0.975	1.866	18.3	20.5

5024 Bechmann 10 16.7 279°.11 3°.8/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 53.85	+21 23.4	2.470	3.221	13.7	17.1
9 18	1 49.33	+21 55.8	2.372	3.216	11.4	16.9
9 28	1 42.84	+22 15.1	2.296	3.211	8.6	16.7
10 8	1 34.83	+22 20.2	2.244	3.205	5.9	16.5
10 18	1 26.00	+22 11.6	2.221	3.200	3.9	16.4
10 28	1 17.20	+21 51.3	2.226	3.195	4.7	16.5
11 7	1 9.31	+21 23.6	2.260	3.190	7.3	16.6
11 17	1 3.04	+20 53.4	2.320	3.185	10.1	16.8

255133 2005 UO_{132} 10 16.7 341°.16 6°.5/10.6 18

9 8	1 48.65	− 5 8.1	1.782	2.633	14.3	19.8
9 18	1 45.67	− 6 23.1	1.713	2.626	11.4	19.6
9 28	1 40.50	− 7 39.5	1.667	2.620	8.5	19.4
10 8	1 33.72	− 8 49.4	1.645	2.615	6.6	19.3
10 18	1 26.16	− 9 45.1	1.649	2.610	7.3	19.3
10 28	1 18.83	−10 19.9	1.679	2.605	9.8	19.4
11 7	1 12.65	−10 30.5	1.732	2.601	12.9	19.6
11 17	1 8.34	−10 16.6	1.807	2.598	15.8	19.8

147592 2004 GT_{13} 10 16.7 130°.13 2°.4/18.9 18

9 8	1 54.40	+18 39.0	1.749	2.536	17.2	20.5
9 18	1 50.28	+18 22.1	1.672	2.544	13.9	20.3
9 28	1 43.67	+17 45.6	1.614	2.552	10.0	20.1
10 8	1 35.25	+16 51.0	1.581	2.560	5.7	19.9
10 18	1 25.95	+15 42.2	1.574	2.567	2.4	19.7
10 28	1 16.96	+14 26.2	1.596	2.574	4.9	19.9
11 7	1 9.36	+13 11.5	1.645	2.581	9.1	20.1
11 17	1 3.92	+12 5.6	1.719	2.587	12.9	20.4

492770 2014 QS_{193} 10 16.7 303°.03 4°.2/20.6 17

9 8	1 51.20	+22 17.6	2.134	2.896	15.2	21.4
9 18	1 47.69	+22 38.4	2.030	2.880	12.7	21.2
9 28	1 41.96	+22 42.9	1.946	2.864	9.8	21.0
10 8	1 34.50	+22 29.9	1.885	2.848	6.6	20.8
10 18	1 26.04	+22 0.0	1.851	2.832	4.4	20.6
10 28	1 17.57	+21 16.3	1.845	2.817	5.2	20.6
11 7	1 10.08	+20 24.7	1.866	2.801	8.2	20.8
11 17	1 4.40	+19 31.7	1.913	2.786	11.5	20.9

409672 2005 YG_{238} 10 16.7 106°.85 4°.4/21.8 18

9 8	1 51.71	+25 34.6	2.417	3.152	14.3	20.9
9 18	1 47.60	+25 41.6	2.332	3.161	12.0	20.8
9 28	1 41.58	+25 31.0	2.268	3.170	9.3	20.6
10 8	1 34.18	+25 2.6	2.228	3.179	6.6	20.4
10 18	1 26.11	+24 17.6	2.214	3.188	4.6	20.3
10 28	1 18.24	+23 19.7	2.230	3.197	4.9	20.4
11 7	1 11.38	+22 14.9	2.274	3.206	7.2	20.5
11 17	1 6.17	+21 9.2	2.344	3.214	9.8	20.7

202220 2004 XQ_{146} 10 16.7 290°.03 8°.0/10.5 18

9 8	1 55.41	−10 0.2	1.737	2.576	15.2	20.0
9 18	1 51.06	−10 57.3	1.665	2.566	12.4	19.8
9 28	1 44.22	−11 50.8	1.614	2.556	9.7	19.6
10 8	1 35.53	−12 32.6	1.588	2.546	8.1	19.5
10 18	1 25.92	−12 55.2	1.587	2.536	8.7	19.5
10 28	1 16.55	−12 53.4	1.611	2.526	11.0	19.6
11 7	1 8.51	−12 25.4	1.660	2.516	14.0	19.8
11 17	1 2.60	−11 32.9	1.729	2.506	16.9	20.0

353754 2012 BK_{82} 10 16.7 100°.19 1°.8/18.6 18

9 8	1 52.26	+16 32.2	2.308	3.089	13.7	21.4
9 18	1 47.96	+16 28.7	2.229	3.099	11.0	21.2
9 28	1 41.79	+16 12.2	2.172	3.110	7.8	21.0
10 8	1 34.27	+15 43.9	2.141	3.120	4.4	20.8
10 18	1 26.12	+15 6.3	2.138	3.131	1.8	20.7
10 28	1 18.19	+14 23.7	2.164	3.141	4.0	20.8
11 7	1 11.27	+13 41.1	2.218	3.151	7.3	21.1
11 17	1 5.97	+13 3.2	2.299	3.161	10.3	21.3

6389 Ogawa 10 16.7 316°.18 3°.9/13.3 18

9 8	1 50.65	+ 1 51.2	1.810	2.649	14.6	17.4
9 18	1 47.21	+ 0 57.9	1.733	2.644	11.4	17.2
9 28	1 41.55	− 0 2.3	1.679	2.639	7.8	17.0
10 8	1 34.25	− 1 3.4	1.649	2.634	4.5	16.8
10 18	1 26.12	− 1 58.7	1.646	2.630	4.4	16.8
10 28	1 18.19	− 2 41.5	1.671	2.625	7.6	17.0
11 7	1 11.43	− 3 6.9	1.721	2.621	11.2	17.2
11 17	1 6.56	− 3 12.8	1.794	2.617	14.5	17.4

481561 2007 RK_{316} 10 16.7 340°.19 2°.8/19.3 18

9 8	1 38.79	+20 56.0	1.191	2.026	20.9	19.5
9 18	1 39.34	+20 19.9	1.102	2.002	17.3	19.2
9 28	1 37.03	+19 9.5	1.030	1.980	12.7	18.9
10 8	1 32.38	+17 25.2	0.977	1.960	7.5	18.6
10 18	1 26.37	+15 13.1	0.948	1.942	3.0	18.2
10 28	1 20.43	+12 46.2	0.943	1.925	6.2	18.4
11 7	1 16.00	+10 22.0	0.961	1.911	11.9	18.6
11 17	1 14.14	+ 8 16.2	1.000	1.899	17.2	18.9

392968 2012 XS_{17} 10 16.7 356°.32 1°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 52.91	+ 8 17.6	1.604	2.433	16.6	21.2
9 18	1 49.30	+ 7 58.6	1.528	2.432	13.0	21.0
9 28	1 43.14	+ 7 28.0	1.472	2.431	8.8	20.8
10 8	1 35.06	+ 6 49.6	1.441	2.431	4.1	20.5
10 18	1 26.01	+ 6 8.5	1.435	2.431	1.5	20.3
10 28	1 17.20	+ 5 31.4	1.457	2.431	6.1	20.6
11 7	1 9.76	+ 5 4.1	1.505	2.431	10.6	20.9
11 17	1 4.53	+ 4 51.0	1.576	2.431	14.5	21.1

125758 2001 XY_{129} 10 16.7 105°.32 1°.7/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.67	+16 37.9	1.719	2.517	17.0	20.1
9 18	1 49.71	+16 18.8	1.645	2.526	13.6	19.9
9 28	1 43.29	+15 41.7	1.591	2.535	9.6	19.7
10 8	1 35.07	+14 48.4	1.561	2.543	5.2	19.4
10 18	1 26.01	+13 43.3	1.557	2.552	1.7	19.2
10 28	1 17.27	+12 33.6	1.582	2.560	4.9	19.5
11 7	1 9.90	+11 27.3	1.634	2.568	9.2	19.7
11 17	1 4.69	+10 31.1	1.710	2.576	13.0	20.0

187784 1998 SL_{148} 10 16.7 358°.74 1°.7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.75	+ 6 45.9	1.095	1.958	20.5	19.3
9 18	1 48.68	+ 6 40.7	1.031	1.954	16.1	19.0
9 28	1 43.28	+ 6 23.1	0.985	1.952	10.9	18.7
10 8	1 35.29	+ 5 57.6	0.959	1.950	5.1	18.4
10 18	1 25.97	+ 5 30.8	0.955	1.950	2.2	18.2
10 28	1 16.99	+ 5 10.4	0.976	1.952	7.7	18.5
11 7	1 9.89	+ 5 3.3	1.018	1.955	13.2	18.9
11 17	1 5.70	+ 5 13.3	1.081	1.959	18.0	19.2

145402 2005 NT_{72} 10 16.7 130°.78 2°.8/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.11	+19 0.7	2.121	2.895	15.0	20.4
9 18	1 48.92	+19 5.4	2.036	2.899	12.2	20.2
9 28	1 42.60	+18 54.6	1.972	2.903	8.9	20.0
10 8	1 34.72	+18 28.9	1.933	2.907	5.4	19.8
10 18	1 26.06	+17 50.1	1.921	2.910	2.9	19.6
10 28	1 17.58	+17 2.8	1.938	2.914	4.5	19.8
11 7	1 10.21	+16 12.9	1.982	2.917	7.9	20.0
11 17	1 4.63	+15 26.2	2.053	2.920	11.1	20.2

145202 2005 JS_{33} 10 16.8 1°.00 3°.3/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.29	+20 19.5	1.116	1.957	21.6	17.9
9 18	1 39.72	+20 1.7	1.049	1.953	17.7	17.7
9 28	1 37.19	+19 13.1	0.999	1.950	12.9	17.4
10 8	1 32.38	+17 55.3	0.968	1.950	7.7	17.1
10 18	1 26.40	+16 14.9	0.960	1.953	3.5	16.9
10 28	1 20.72	+14 24.0	0.974	1.957	6.1	17.1
11 7	1 16.68	+12 37.0	1.012	1.964	11.2	17.4
11 17	1 15.19	+11 6.2	1.071	1.973	16.0	17.7

266469 2007 VQ_{9} 10 16.8 43°.35 5°.0/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 57.83	− 2 47.9	1.515	2.356	16.9	19.5
9 18	1 52.93	− 3 6.8	1.461	2.371	13.2	19.3
9 28	1 45.39	− 3 25.8	1.429	2.386	9.2	19.1
10 8	1 36.01	− 3 39.0	1.421	2.402	5.8	18.9
10 18	1 25.91	− 3 41.0	1.439	2.419	5.5	19.0
10 28	1 16.34	− 3 27.8	1.483	2.436	8.5	19.2
11 7	1 8.42	− 2 57.8	1.553	2.453	12.2	19.4
11 17	1 2.88	− 2 11.5	1.645	2.471	15.5	19.7

158709 2003 GJ_{12} 10 16.8 265°.50 0°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.13	+11 18.9	1.752	2.568	16.0	21.3
9 18	1 49.49	+10 51.4	1.656	2.552	12.7	21.1
9 28	1 43.35	+10 9.0	1.581	2.535	8.7	20.8
10 8	1 35.23	+ 9 14.6	1.530	2.519	4.2	20.5
10 18	1 25.99	+ 8 13.0	1.506	2.502	0.8	20.2
10 28	1 16.79	+ 7 11.4	1.509	2.484	5.7	20.5
11 7	1 8.78	+ 6 17.2	1.540	2.467	10.3	20.8
11 17	1 2.86	+ 5 36.6	1.594	2.449	14.5	21.0

178700 2000 SR_{88} 10 16.8 33°.70 3°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.20	+ 4 46.0	1.936	2.771	14.0	19.4
9 18	1 45.08	+ 3 31.6	1.864	2.774	10.8	19.2
9 28	1 39.98	+ 2 7.6	1.816	2.778	7.2	19.0
10 8	1 33.45	+ 0 40.3	1.794	2.781	3.9	18.9
10 18	1 26.26	− 0 43.0	1.800	2.785	3.7	18.8
10 28	1 19.31	− 1 54.9	1.833	2.790	6.9	19.1
11 7	1 13.44	− 2 49.7	1.894	2.794	10.3	19.3
11 17	1 9.28	− 3 24.4	1.977	2.798	13.5	19.5

513270 2006 SW_{346} 10 16.8 42°.59 7°.9/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	2 13.22	+18 22.6	1.193	1.981	23.6	19.8
9 18	2 6.56	+20 47.0	1.134	1.998	19.6	19.6
9 28	1 55.63	+22 57.4	1.092	2.016	15.1	19.3
10 8	1 41.28	+24 44.8	1.073	2.034	10.6	19.2
10 18	1 25.13	+26 1.4	1.079	2.054	7.9	19.1
10 28	1 9.45	+26 45.8	1.111	2.074	9.3	19.2
11 7	0 56.34	+27 4.5	1.168	2.094	12.9	19.5
11 17	0 47.13	+27 7.8	1.247	2.115	16.8	19.8

23171 2000 HF_{10} 10 16.8 55°.04 0°.5/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.74	+10 58.4	1.809	2.628	15.5	17.7
9 18	1 47.22	+10 22.4	1.738	2.636	12.1	17.5
9 28	1 41.50	+ 9 33.1	1.689	2.645	8.1	17.3
10 8	1 34.19	+ 8 34.3	1.665	2.654	3.8	17.1
10 18	1 26.17	+ 7 31.5	1.668	2.664	0.9	16.9
10 28	1 18.44	+ 6 31.6	1.699	2.673	5.3	17.2
11 7	1 11.94	+ 5 40.9	1.757	2.683	9.3	17.5
11 17	1 7.35	+ 5 4.0	1.839	2.693	12.9	17.7

452082 2014 PR_{5} 10 16.8 12°.89 1°.2/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.40	+ 7 58.8	1.929	2.752	14.5	21.1
9 18	1 46.87	+ 7 34.4	1.852	2.754	11.3	20.9
9 28	1 41.24	+ 7 0.4	1.798	2.756	7.6	20.7
10 8	1 34.09	+ 6 20.1	1.768	2.758	3.5	20.5
10 18	1 26.19	+ 5 38.2	1.766	2.761	1.5	20.3
10 28	1 18.51	+ 5 0.4	1.792	2.764	5.4	20.6
11 7	1 11.94	+ 4 31.5	1.845	2.767	9.2	20.9
11 17	1 7.17	+ 4 15.0	1.922	2.770	12.6	21.1

153262 2001 CN_{5} 10 16.8 142°.00 3°.5/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.14	+22 32.3	2.634	3.376	13.1	20.1
9 18	1 48.55	+22 47.1	2.545	3.383	10.9	20.0
9 28	1 42.17	+22 47.9	2.478	3.389	8.3	19.8
10 8	1 34.48	+22 34.2	2.436	3.395	5.6	19.6
10 18	1 26.14	+22 7.2	2.422	3.401	3.7	19.5
10 28	1 17.94	+21 29.7	2.437	3.407	4.3	19.6
11 7	1 10.65	+20 46.3	2.482	3.412	6.7	19.7
11 17	1 4.87	+20 2.1	2.554	3.418	9.3	19.9

230018 2000 HO_{7} 10 16.8 161°.63 1°.1/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.55	+ 8 45.3	1.905	2.717	15.1	20.9
9 18	1 50.89	+ 8 14.7	1.827	2.722	11.8	20.7
9 28	1 43.96	+ 7 33.1	1.771	2.727	7.9	20.5
10 8	1 35.38	+ 6 44.2	1.741	2.731	3.7	20.2
10 18	1 26.01	+ 5 53.0	1.739	2.734	1.5	20.1
10 28	1 16.89	+ 5 5.5	1.766	2.737	5.5	20.4
11 7	1 9.01	+ 4 27.4	1.821	2.739	9.5	20.6
11 17	1 3.09	+ 4 2.6	1.900	2.741	13.1	20.8

366684 2003 UB_{265} 10 16.8 18°.80 4°.9/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 44.91	+ 4 34.8	0.801	1.697	22.8	19.6
9 18	1 44.57	+ 3 31.1	0.765	1.707	17.6	19.3
9 28	1 40.56	+ 2 13.4	0.746	1.720	11.8	19.1
10 8	1 33.93	+ 0 53.5	0.744	1.736	6.3	18.8
10 18	1 26.23	− 0 15.5	0.763	1.753	5.6	18.9
10 28	1 19.27	− 1 1.4	0.803	1.773	10.5	19.2
11 7	1 14.52	− 1 18.1	0.863	1.794	15.6	19.6
11 17	1 12.79	− 1 5.1	0.940	1.817	20.1	20.0

269914 2000 JV_{8} 10 16.8 158°.69 1°.2/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.89	+ 8 14.9	1.968	2.778	14.7	21.8
9 18	1 51.06	+ 7 44.9	1.891	2.785	11.5	21.6
9 28	1 44.03	+ 7 4.7	1.835	2.790	7.7	21.4
10 8	1 35.40	+ 6 17.9	1.806	2.795	3.6	21.2
10 18	1 26.02	+ 5 29.4	1.806	2.800	1.5	21.0
10 28	1 16.89	+ 4 44.9	1.834	2.804	5.4	21.3
11 7	1 8.98	+ 4 9.7	1.890	2.807	9.3	21.5
11 17	1 2.97	+ 3 47.6	1.972	2.810	12.8	21.8

507392 2012 GF_{39} 10 16.8 184°.84 3°.3/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 58.04	+ 2 43.1	1.709	2.536	15.9	21.8
9 18	1 53.11	+ 2 7.7	1.633	2.536	12.4	21.6
9 28	1 45.62	+ 1 25.4	1.578	2.536	8.4	21.4
10 8	1 36.23	+ 0 41.4	1.549	2.536	4.5	21.2
10 18	1 25.90	+ 0 2.0	1.547	2.534	3.8	21.1
10 28	1 15.84	− 0 26.6	1.573	2.533	7.4	21.3
11 7	1 7.17	− 0 39.8	1.625	2.530	11.4	21.6
11 17	1 0.72	− 0 35.6	1.700	2.527	15.0	21.8

126779 2002 EC_{6} 10 16.8 352°.85 6°.6/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.64	− 3 33.0	1.669	2.526	14.8	19.3
9 18	1 44.25	− 5 4.5	1.604	2.521	11.7	19.0
9 28	1 39.62	− 6 39.6	1.560	2.518	8.6	18.9
10 8	1 33.36	− 8 9.4	1.542	2.514	6.7	18.7
10 18	1 26.31	− 9 24.8	1.549	2.512	7.4	18.8
10 28	1 19.50	−10 17.9	1.582	2.510	10.2	18.9
11 7	1 13.88	−10 44.6	1.638	2.510	13.4	19.1
11 17	1 10.17	−10 44.3	1.715	2.509	16.3	19.3

291601 2006 GD_{31} 10 16.8 200°.87 1°.2/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.99	+ 7 53.3	1.934	2.751	14.7	21.0
9 18	1 49.71	+ 7 29.1	1.852	2.749	11.5	20.7
9 28	1 43.21	+ 6 55.0	1.791	2.747	7.7	20.5
10 8	1 35.05	+ 6 14.4	1.756	2.745	3.6	20.3
10 18	1 26.07	+ 5 32.0	1.749	2.743	1.6	20.1
10 28	1 17.27	+ 4 53.3	1.770	2.741	5.5	20.4
11 7	1 9.63	+ 4 23.6	1.819	2.738	9.5	20.6
11 17	1 3.88	+ 4 6.6	1.892	2.735	13.0	20.8

517486 2014 QE_{175} 10 16.8 63°.34 1°.7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 50.54	+ 6 20.4	2.164	2.984	13.2	21.7
9 18	1 46.63	+ 5 46.8	2.096	2.997	10.2	21.5
9 28	1 40.88	+ 5 5.7	2.051	3.009	6.8	21.4
10 8	1 33.85	+ 4 20.7	2.033	3.022	3.2	21.2
10 18	1 26.25	+ 3 36.6	2.042	3.035	2.0	21.1
10 28	1 18.92	+ 2 58.2	2.081	3.048	5.2	21.3
11 7	1 12.63	+ 2 29.8	2.147	3.061	8.6	21.6
11 17	1 7.94	+ 2 13.9	2.238	3.074	11.6	21.8

512281 2016 GN_{21} 10 16.8 58°.39 2°.8/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 58.20	+16 36.0	1.119	1.944	22.6	21.5
9 18	1 54.23	+16 45.2	1.070	1.965	18.1	21.3
9 28	1 46.78	+16 31.5	1.038	1.987	12.8	21.0
10 8	1 36.82	+15 56.1	1.026	2.009	7.1	20.8
10 18	1 25.84	+15 4.2	1.037	2.031	2.8	20.6
10 28	1 15.60	+14 4.8	1.074	2.054	6.4	20.9
11 7	1 7.58	+13 8.5	1.134	2.076	11.5	21.3
11 17	1 2.66	+12 23.8	1.216	2.099	16.1	21.6

359750 2011 UT_{83} 10 16.8 271°.32 0°.8/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.97	+12 52.2	1.993	2.795	14.8	21.2
9 18	1 48.93	+12 47.6	1.907	2.793	11.8	20.9
9 28	1 42.70	+12 30.6	1.842	2.791	8.2	20.7
10 8	1 34.83	+12 3.1	1.803	2.788	4.2	20.5
10 18	1 26.12	+11 28.1	1.790	2.786	0.8	20.2
10 28	1 17.56	+10 50.5	1.807	2.784	4.6	20.5
11 7	1 10.11	+10 15.8	1.851	2.782	8.6	20.7
11 17	1 4.51	+ 9 48.7	1.920	2.780	12.1	21.0

509114 2005 WT_{68} 10 16.8 190°.55 2°.9/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.01	+20 55.8	2.076	2.841	15.5	21.9
9 18	1 49.74	+20 41.0	1.984	2.840	12.7	21.7
9 28	1 43.24	+20 7.4	1.912	2.839	9.4	21.5
10 8	1 35.09	+19 15.8	1.865	2.837	5.8	21.3
10 18	1 26.08	+18 8.8	1.845	2.834	3.0	21.1
10 28	1 17.25	+16 52.0	1.855	2.831	4.6	21.2
11 7	1 9.56	+15 32.9	1.893	2.827	8.2	21.4
11 17	1 3.75	+14 19.0	1.957	2.823	11.7	21.6

395184 2010 EE_{137} 10 16.8 130°.10 1°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 59.26	+13 23.4	1.946	2.735	15.6	21.0
9 18	1 53.85	+13 48.4	1.865	2.741	12.5	20.8
9 28	1 46.04	+14 2.3	1.805	2.747	8.8	20.6
10 8	1 36.42	+14 5.4	1.771	2.753	4.7	20.3
10 18	1 25.90	+13 59.3	1.765	2.759	1.7	20.1
10 28	1 15.59	+13 47.5	1.788	2.764	4.7	20.4
11 7	1 6.56	+13 34.5	1.839	2.769	8.7	20.6
11 17	0 59.60	+13 24.9	1.916	2.774	12.2	20.9

393753 2005 EV_{223} 10 16.8 205°.19 5°.4/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.04	− 5 50.8	2.333	3.158	12.2	21.9
9 18	1 49.30	− 6 47.1	2.255	3.153	9.7	21.7
9 28	1 42.70	− 7 43.5	2.201	3.148	7.2	21.5
10 8	1 34.75	− 8 34.3	2.175	3.142	5.5	21.4
10 18	1 26.14	− 9 13.9	2.176	3.135	5.9	21.4
10 28	1 17.70	− 9 37.7	2.206	3.129	8.0	21.6
11 7	1 10.24	− 9 43.1	2.262	3.121	10.7	21.7
11 17	1 4.36	− 9 29.7	2.342	3.113	13.2	21.9

117967 9563 P–L 10 16.8 8°.90 3°.3/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.37	+ 4 43.1	1.073	1.943	20.3	19.0
9 18	1 47.51	+ 4 13.3	1.017	1.944	15.8	18.7
9 28	1 42.39	+ 3 32.1	0.978	1.947	10.6	18.5
10 8	1 34.84	+ 2 46.4	0.960	1.951	5.3	18.2
10 18	1 26.13	+ 2 4.7	0.965	1.957	3.9	18.1
10 28	1 17.87	+ 1 36.0	0.993	1.964	8.6	18.4
11 7	1 11.49	+ 1 26.6	1.043	1.973	13.7	18.8
11 17	1 7.93	+ 1 38.9	1.113	1.983	18.2	19.1

471065 2009 VK_{59} 10 16.8 348°.11 3°.4/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.05	+ 4 40.4	1.093	1.964	19.9	20.7
9 18	1 46.62	+ 4 10.9	1.025	1.953	15.6	20.4
9 28	1 41.95	+ 3 29.2	0.975	1.944	10.6	20.1
10 8	1 34.72	+ 2 42.0	0.946	1.937	5.4	19.8
10 18	1 26.13	+ 1 57.9	0.939	1.931	4.0	19.7
10 28	1 17.80	+ 1 26.3	0.955	1.926	8.9	19.9
11 7	1 11.23	+ 1 14.6	0.992	1.923	14.2	20.2
11 17	1 7.49	+ 1 25.9	1.049	1.921	18.9	20.5

40731 1999 SB_{13} 10 16.8 2°.88 11°.4/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.54	−12 4.9	1.314	2.183	17.3	17.4
9 18	1 45.51	−14 10.7	1.268	2.182	14.4	17.2
9 28	1 40.74	−16 10.5	1.242	2.181	12.1	17.1
10 8	1 33.96	−17 50.7	1.238	2.182	11.4	17.1
10 18	1 26.27	−18 59.9	1.257	2.184	12.6	17.1
10 28	1 18.99	−19 30.5	1.297	2.187	15.1	17.3
11 7	1 13.28	−19 21.7	1.356	2.190	17.9	17.5
11 17	1 9.92	−18 37.0	1.433	2.195	20.5	17.7

173517 2000 UH_{105} 10 16.8 339°.44 5°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.81	− 0 11.4	1.192	2.056	19.1	19.4
9 18	1 50.04	− 1 6.7	1.127	2.050	15.0	19.2
9 28	1 44.08	− 2 9.1	1.080	2.045	10.5	18.9
10 8	1 35.68	− 3 9.5	1.055	2.040	6.6	18.7
10 18	1 26.02	− 3 58.1	1.054	2.036	6.6	18.7
10 28	1 16.69	− 4 25.5	1.076	2.032	10.5	18.9
11 7	1 9.14	− 4 26.7	1.121	2.029	15.1	19.1
11 17	1 4.35	− 4 1.0	1.185	2.027	19.3	19.4

321766 2010 OR_{19} 10 16.8 180°.50 0°.8/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.91	+11 58.3	1.480	2.305	18.0	21.4
9 18	1 49.55	+11 5.6	1.404	2.306	14.2	21.2
9 28	1 43.44	+ 9 53.9	1.348	2.306	9.6	20.9
10 8	1 35.28	+ 8 28.1	1.316	2.306	4.5	20.6
10 18	1 26.09	+ 6 56.0	1.310	2.306	1.3	20.4
10 28	1 17.20	+ 5 27.6	1.332	2.306	6.4	20.7
11 7	1 9.81	+ 4 12.5	1.379	2.305	11.3	21.0
11 17	1 4.79	+ 3 17.4	1.449	2.304	15.6	21.3

187972 2001 QL_{103} 10 16.8 49°.73 5°.0/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 57.57	+20 22.2	1.350	2.147	20.9	19.9
9 18	1 53.50	+21 4.0	1.290	2.162	17.2	19.7
9 28	1 46.25	+21 24.3	1.247	2.179	12.8	19.5
10 8	1 36.64	+21 21.4	1.225	2.195	8.3	19.3
10 18	1 25.91	+20 56.4	1.227	2.212	5.1	19.2
10 28	1 15.67	+20 15.1	1.255	2.230	6.5	19.3
11 7	1 7.31	+19 26.5	1.308	2.248	10.5	19.6
11 17	1 1.77	+18 39.6	1.384	2.266	14.5	19.9

323639 2004 XE_{42} 10 16.8 255°.92 3°.1/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.04	+ 2 56.4	2.555	3.379	11.3	20.8
9 18	1 44.59	+ 1 40.2	2.461	3.364	8.8	20.6
9 28	1 39.53	+ 0 16.3	2.391	3.349	6.0	20.4
10 8	1 33.27	− 1 10.2	2.350	3.334	3.5	20.2
10 18	1 26.38	− 2 33.6	2.338	3.319	3.6	20.2
10 28	1 19.57	− 3 47.6	2.356	3.303	6.2	20.3
11 7	1 13.52	− 4 47.5	2.402	3.287	9.1	20.5
11 17	1 8.79	− 5 30.1	2.473	3.271	11.8	20.7

495322 2014 JF_{69} 10 16.8 113°.60 1°.0/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.80	+13 47.1	1.943	2.744	15.2	21.7
9 18	1 48.84	+13 38.4	1.860	2.745	12.1	21.5
9 28	1 42.65	+13 16.1	1.799	2.746	8.4	21.2
10 8	1 34.82	+12 42.0	1.762	2.747	4.3	21.0
10 18	1 26.16	+11 59.7	1.752	2.748	1.0	20.8
10 28	1 17.70	+11 14.4	1.771	2.749	4.6	21.0
11 7	1 10.39	+10 32.0	1.818	2.750	8.7	21.3
11 17	1 4.96	+ 9 57.7	1.890	2.751	12.2	21.5

175902 1999 YP_{3} 10 16.8 224°.82 18°.8/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 57.35	−27 10.7	1.202	2.037	20.8	19.0
9 18	1 53.88	−30 17.0	1.172	2.032	19.4	18.9
9 28	1 46.78	−32 59.1	1.160	2.028	18.8	18.8
10 8	1 36.95	−34 59.0	1.167	2.023	19.3	18.8
10 18	1 25.88	−36 4.2	1.191	2.017	20.7	18.9
10 28	1 15.39	−36 10.0	1.232	2.012	22.5	19.0
11 7	1 7.09	−35 20.7	1.285	2.006	24.5	19.2
11 17	1 1.96	−33 45.3	1.351	1.999	26.2	19.3

318714 2005 QP_{176} 10 16.8 0°.55 0°.6/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.82	+11 42.5	1.866	2.677	15.4	20.4
9 18	1 48.94	+11 44.0	1.785	2.676	12.2	20.2
9 28	1 42.78	+11 33.8	1.724	2.675	8.4	20.0
10 8	1 34.91	+11 13.9	1.688	2.675	4.2	19.8
10 18	1 26.16	+10 47.2	1.680	2.676	0.7	19.5
10 28	1 17.59	+10 18.7	1.699	2.676	4.8	19.8
11 7	1 10.22	+ 9 53.6	1.745	2.677	9.0	20.1
11 17	1 4.78	+ 9 36.3	1.816	2.678	12.6	20.3

289902 2005 MW_{53} 10 16.8 66°.47 1°.3/15.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.97	+ 9 30.5	1.384	2.218	18.6	21.1
9 18	1 50.99	+ 8 49.4	1.331	2.237	14.4	20.9
9 28	1 44.24	+ 7 53.8	1.297	2.257	9.6	20.7
10 8	1 35.56	+ 6 49.2	1.287	2.277	4.4	20.4
10 18	1 26.09	+ 5 43.0	1.302	2.297	1.8	20.3
10 28	1 17.18	+ 4 43.9	1.344	2.317	6.6	20.7
11 7	1 9.99	+ 3 59.0	1.412	2.337	11.2	21.0
11 17	1 5.26	+ 3 32.5	1.502	2.357	15.1	21.3

289570 2005 EE_{291} 10 16.8 238°.27 4°.3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.86	+ 2 41.2	1.535	2.377	16.7	20.8
9 18	1 50.20	+ 1 36.6	1.459	2.371	13.0	20.6
9 28	1 43.86	+ 0 22.1	1.403	2.365	8.9	20.3
10 8	1 35.49	− 0 55.0	1.372	2.358	5.1	20.1
10 18	1 26.08	− 2 6.1	1.368	2.352	5.0	20.1
10 28	1 16.89	− 3 2.2	1.389	2.345	8.7	20.3
11 7	1 9.13	− 3 37.1	1.436	2.338	12.9	20.5
11 17	1 3.65	− 3 48.1	1.504	2.330	16.7	20.7

79083 5068 T-3 10 16.8 305°.00 4°.7/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 55.82	− 1 47.0	1.669	2.507	15.7	19.6
9 18	1 51.64	− 2 10.0	1.584	2.492	12.4	19.3
9 28	1 44.83	− 2 35.2	1.519	2.476	8.7	19.1
10 8	1 35.97	− 2 57.0	1.479	2.461	5.5	18.8
10 18	1 26.01	− 3 9.6	1.465	2.446	5.2	18.8
10 28	1 16.15	− 3 7.5	1.478	2.432	8.4	19.0
11 7	1 7.59	− 2 47.6	1.516	2.417	12.4	19.2
11 17	1 1.24	− 2 9.2	1.577	2.403	16.0	19.4

402372 2005 WO_{210} 10 16.8 200°.54 3°.6/20.9 18

9 8	1 50.85	+23 17.5	2.396	3.145	14.1	21.2
9 18	1 47.03	+23 16.4	2.302	3.144	11.7	21.0
9 28	1 41.30	+22 58.6	2.229	3.143	8.9	20.8
10 8	1 34.15	+22 23.9	2.180	3.142	6.0	20.6
10 18	1 26.28	+21 34.0	2.159	3.140	3.8	20.5
10 28	1 18.54	+20 32.9	2.166	3.139	4.5	20.6
11 7	1 11.75	+19 26.6	2.202	3.137	7.2	20.7
11 17	1 6.57	+18 21.1	2.265	3.135	10.1	20.9

443686 2015 KK_{22} 10 16.8 87°.84 1°.0/15.8 17

9 8	1 51.59	+12 1.3	1.744	2.561	16.1	20.7
9 18	1 47.88	+10 50.9	1.679	2.577	12.5	20.5
9 28	1 41.94	+ 9 24.5	1.636	2.593	8.3	20.3
10 8	1 34.43	+ 7 47.4	1.619	2.608	3.8	20.1
10 18	1 26.25	+ 6 7.4	1.629	2.624	1.4	19.9
10 28	1 18.47	+ 4 33.5	1.668	2.639	5.7	20.3
11 7	1 12.00	+ 3 13.5	1.734	2.654	9.8	20.6
11 17	1 7.51	+ 2 12.6	1.825	2.669	13.4	20.8

516145 2015 XS_{38} 10 16.8 52°.20 1°.2/15.6 18

9 8	1 49.47	+ 9 6.1	2.001	2.821	14.1	21.3
9 18	1 45.98	+ 8 22.4	1.934	2.834	11.0	21.1
9 28	1 40.55	+ 7 27.9	1.889	2.847	7.3	20.9
10 8	1 33.76	+ 6 26.8	1.870	2.860	3.4	20.7
10 18	1 26.36	+ 5 24.5	1.879	2.874	1.5	20.6
10 28	1 19.25	+ 4 27.2	1.917	2.887	5.2	20.8
11 7	1 13.24	+ 3 40.2	1.981	2.901	8.8	21.1
11 17	1 8.92	+ 3 7.2	2.071	2.915	12.0	21.3

97520 2000 DA_{18} 10 16.8 268°.33 0°.4/16.3 18 R

9 8	1 50.11	+ 9 55.6	2.442	3.247	12.4	20.4
9 18	1 46.34	+ 9 32.1	2.343	3.234	9.7	20.2
9 28	1 40.79	+ 8 59.0	2.267	3.220	6.6	20.0
10 8	1 33.92	+ 8 18.8	2.218	3.207	3.1	19.8
10 18	1 26.33	+ 7 34.9	2.197	3.193	0.8	19.6
10 28	1 18.80	+ 6 51.9	2.206	3.179	4.3	19.8
11 7	1 12.09	+ 6 14.4	2.243	3.165	7.8	20.0
11 17	1 6.83	+ 5 46.1	2.306	3.151	10.9	20.2

67963 2000 WX_{176} 10 16.8 54°.74 0°.4/16.5 17

9 8	1 53.78	+12 24.0	1.186	2.026	20.7	19.2
9 18	1 50.54	+11 43.3	1.135	2.043	16.2	19.0
9 28	1 44.18	+10 42.6	1.101	2.061	10.9	18.8
10 8	1 35.61	+ 9 27.4	1.090	2.080	5.1	18.5
10 18	1 26.11	+ 8 6.4	1.102	2.098	1.0	18.3
10 28	1 17.25	+ 6 50.5	1.141	2.117	6.7	18.7
11 7	1 10.31	+ 5 49.0	1.203	2.137	11.9	19.1
11 17	1 6.10	+ 5 8.0	1.287	2.156	16.3	19.4

406989 2009 RF_{30} 10 16.8 351°.64 0°.4/16.4 18

9 8	1 45.68	+13 51.4	1.861	2.678	15.2	20.3
9 18	1 43.38	+12 44.5	1.777	2.674	11.9	20.1
9 28	1 39.00	+11 19.3	1.715	2.670	8.1	19.9
10 8	1 33.10	+ 9 40.4	1.678	2.667	3.8	19.6
10 18	1 26.45	+ 7 54.5	1.669	2.665	0.8	19.4
10 28	1 19.99	+ 6 10.6	1.688	2.663	5.2	19.7
11 7	1 14.61	+ 4 37.4	1.735	2.662	9.4	19.9
11 17	1 10.98	+ 3 21.4	1.807	2.661	13.0	20.2

242270 2003 TJ_{55} 10 16.8 131°.84 2°.7/14.0 18

9 8	1 53.25	+ 0 37.3	2.581	3.397	11.5	20.8
9 18	1 48.44	+ 0 15.4	2.506	3.404	8.9	20.7
9 28	1 41.99	− 0 9.1	2.456	3.411	6.0	20.5
10 8	1 34.40	− 0 32.7	2.433	3.417	3.4	20.3
10 18	1 26.28	− 0 52.0	2.439	3.424	3.1	20.3
10 28	1 18.37	− 1 3.6	2.476	3.430	5.4	20.5
11 7	1 11.35	− 1 5.0	2.540	3.436	8.2	20.7
11 17	1 5.74	− 0 54.9	2.630	3.442	10.8	20.9

434738 2006 FZ_{33} 10 16.8 47°.95 7°.3/20.0 18

9 8	2 18.12	+19 46.4	1.433	2.188	21.7	19.1
9 18	2 9.58	+22 5.3	1.378	2.220	18.0	19.0
9 28	1 57.19	+24 8.4	1.343	2.253	13.8	18.8
10 8	1 41.89	+25 47.6	1.333	2.286	9.8	18.7
10 18	1 25.24	+26 56.8	1.350	2.320	7.4	18.6
10 28	1 9.24	+27 35.7	1.396	2.353	8.4	18.8
11 7	0 55.68	+27 50.9	1.470	2.387	11.5	19.0
11 17	0 45.68	+27 51.7	1.568	2.421	14.7	19.3

101288 1998 SA_{125} 10 16.8 42°.11 2°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 52.06	+ 6 58.9	1.533	2.370	16.9	19.2
9 18	1 48.57	+ 6 22.7	1.473	2.383	13.1	19.0
9 28	1 42.57	+ 5 35.6	1.434	2.395	8.7	18.8
10 8	1 34.79	+ 4 42.7	1.419	2.409	4.1	18.5
10 18	1 26.24	+ 3 50.6	1.429	2.423	2.4	18.5
10 28	1 18.09	+ 3 6.4	1.467	2.437	6.5	18.8
11 7	1 11.40	+ 2 36.0	1.530	2.451	10.8	19.0
11 17	1 6.91	+ 2 22.5	1.616	2.466	14.5	19.3

480371 2015 KC_{34} 10 16.8 69°.30 0°.6/16.4 18

9 8	1 56.36	+ 9 0.0	1.595	2.417	17.1	21.5
9 18	1 51.89	+ 8 52.3	1.530	2.429	13.4	21.3
9 28	1 44.83	+ 8 33.3	1.486	2.442	9.0	21.1
10 8	1 35.89	+ 8 6.3	1.465	2.454	4.2	20.9
10 18	1 26.10	+ 7 35.8	1.471	2.467	1.0	20.7
10 28	1 16.71	+ 7 7.6	1.505	2.480	5.7	21.0
11 7	1 8.82	+ 6 47.1	1.565	2.492	10.1	21.3
11 17	1 3.22	+ 6 38.3	1.649	2.505	14.0	21.6

332229 2006 HA_{54} 10 16.8 223°.07 3°.2/13.0 17

9 8	1 51.82	− 1 32.9	2.977	3.792	10.1	22.0
9 18	1 47.22	− 2 4.9	2.887	3.782	7.9	21.8
9 28	1 41.16	− 2 38.7	2.821	3.772	5.5	21.7
10 8	1 34.03	− 3 10.8	2.782	3.762	3.5	21.5
10 18	1 26.36	− 3 37.7	2.774	3.751	3.5	21.5
10 28	1 18.78	− 3 56.0	2.796	3.739	5.5	21.6
11 7	1 11.91	− 4 3.2	2.846	3.727	8.0	21.8
11 17	1 6.24	− 3 58.2	2.922	3.715	10.3	21.9

449452 2013 JA_{37} 10 16.8 168°.04 3°.8/12.9 18

9 8	1 54.71	− 3 24.1	2.702	3.517	11.0	21.9
9 18	1 49.50	− 3 52.4	2.626	3.521	8.6	21.7
9 28	1 42.69	− 4 21.1	2.575	3.524	6.1	21.6
10 8	1 34.74	− 4 46.1	2.551	3.527	4.1	21.4
10 18	1 26.27	− 5 4.0	2.557	3.529	4.1	21.4
10 28	1 18.00	− 5 11.3	2.592	3.531	6.1	21.6
11 7	1 10.60	− 5 6.2	2.656	3.533	8.6	21.8
11 17	1 4.59	− 4 48.1	2.746	3.534	11.0	21.9

395517 2011 UJ_{133} 10 16.8 84°.79 3°.7/20.6 18

9 8	1 53.04	+22 56.4	2.017	2.777	16.1	21.1
9 18	1 48.92	+22 49.7	1.945	2.794	13.2	20.9
9 28	1 42.62	+22 23.6	1.892	2.812	9.9	20.8
10 8	1 34.78	+21 38.4	1.864	2.829	6.4	20.6
10 18	1 26.27	+20 37.1	1.862	2.846	3.9	20.5
10 28	1 18.08	+19 25.2	1.889	2.863	4.8	20.6
11 7	1 11.13	+18 10.1	1.944	2.880	7.9	20.8
11 17	1 6.09	+16 59.0	2.025	2.896	11.1	21.0

158685 2003 FM_{47} 10 16.8 242°.44 0°.3/17.0 18

9 8	1 54.49	+12 12.3	1.844	2.650	15.7	21.3
9 18	1 50.42	+11 55.6	1.751	2.640	12.5	21.1
9 28	1 43.92	+11 25.0	1.679	2.629	8.6	20.8
10 8	1 35.55	+10 42.8	1.631	2.619	4.2	20.5
10 18	1 26.14	+ 9 52.9	1.611	2.607	0.5	20.2
10 28	1 16.83	+ 9 1.5	1.620	2.596	5.2	20.5
11 7	1 8.69	+ 8 15.1	1.655	2.584	9.6	20.8
11 17	1 2.58	+ 7 39.4	1.715	2.571	13.5	21.0

115404 2003 SA_{293} 10 16.8 295°.14 2°.4/18.8 18

9 8	1 51.72	+17 34.9	1.767	2.563	16.7	20.1
9 18	1 48.66	+17 30.5	1.656	2.535	13.7	19.8
9 28	1 43.02	+17 7.8	1.565	2.506	10.0	19.5
10 8	1 35.26	+16 26.7	1.498	2.478	5.8	19.2
10 18	1 26.17	+15 29.4	1.456	2.449	2.5	18.9
10 28	1 16.94	+14 21.6	1.441	2.420	5.3	19.0
11 7	1 8.81	+13 11.7	1.454	2.391	9.9	19.2
11 17	1 2.78	+12 7.9	1.490	2.362	14.2	19.4

411832 2012 DS_{48} 10 16.8 154°.61 3°.1/12.5 18

9 8	1 48.81	+ 1 6.1	2.815	3.635	10.5	21.8
9 18	1 44.90	− 0 2.1	2.741	3.642	8.1	21.7
9 28	1 39.58	− 1 14.6	2.692	3.648	5.5	21.5
10 8	1 33.26	− 2 26.9	2.672	3.653	3.4	21.4
10 18	1 26.49	− 3 34.0	2.682	3.659	3.6	21.4
10 28	1 19.89	− 4 31.2	2.722	3.664	5.7	21.6
11 7	1 14.04	− 5 15.3	2.789	3.668	8.2	21.7
11 17	1 9.41	− 5 44.1	2.882	3.673	10.5	21.9

157621 2005 WQ_{100} 10 16.8 323°.00 0°.3/16.6 18

9 8	1 49.58	+10 53.2	1.919	2.737	14.8	20.4
9 18	1 46.42	+10 29.9	1.831	2.728	11.6	20.2
9 28	1 41.11	+ 9 54.1	1.763	2.719	7.9	20.0
10 8	1 34.16	+ 9 8.5	1.721	2.710	3.8	19.7
10 18	1 26.35	+ 8 17.8	1.706	2.702	0.7	19.4
10 28	1 18.66	+ 7 27.6	1.718	2.694	5.0	19.8
11 7	1 12.04	+ 6 44.2	1.758	2.686	9.2	20.0
11 17	1 7.22	+ 6 12.5	1.822	2.679	12.8	20.2

160856 2001 DU_{92} 10 16.8 353°.15 0°.2/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 44.84	+ 9 18.9	3.967	4.762	8.2	19.5
9 18	1 41.50	+ 9 8.0	3.875	4.760	6.4	19.3
9 28	1 37.14	+ 8 52.1	3.809	4.759	4.3	19.2
10 8	1 32.08	+ 8 32.6	3.770	4.758	2.0	19.0
10 18	1 26.67	+ 8 11.4	3.761	4.757	0.4	18.8
10 28	1 21.32	+ 7 50.7	3.783	4.756	2.7	19.1
11 7	1 16.46	+ 7 32.6	3.835	4.756	4.9	19.2
11 17	1 12.42	+ 7 19.2	3.914	4.755	6.9	19.4

151360 2002 CA_{312} 10 16.8 106°.43 4°.1/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.76	+23 48.2	2.397	3.138	14.3	20.1
9 18	1 49.24	+24 5.9	2.315	3.150	11.9	19.9
9 28	1 42.77	+24 7.5	2.254	3.161	9.1	19.8
10 8	1 34.87	+23 52.7	2.216	3.172	6.3	19.6
10 18	1 26.29	+23 22.2	2.207	3.183	4.3	19.5
10 28	1 17.90	+22 39.6	2.226	3.194	4.8	19.6
11 7	1 10.54	+21 50.0	2.273	3.204	7.2	19.7
11 17	1 4.85	+20 59.2	2.347	3.215	9.9	19.9

162400 2000 DR_{22} 10 16.8 358°.79 10°.2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 39.08	− 4 44.9	1.035	1.931	18.7	17.7
9 18	1 39.54	− 7 3.7	0.986	1.925	14.9	17.4
9 28	1 37.06	− 9 27.3	0.956	1.920	11.6	17.2
10 8	1 32.38	−11 39.0	0.948	1.918	10.2	17.2
10 18	1 26.63	−13 22.8	0.961	1.918	11.7	17.2
10 28	1 21.23	−14 26.6	0.994	1.920	15.0	17.4
11 7	1 17.45	−14 46.3	1.047	1.924	18.7	17.7
11 17	1 16.13	−14 24.1	1.115	1.931	21.9	17.9

77036 2001 CV_{35} 10 16.8 254°.06 2°.0/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.08	+ 7 48.4	1.621	2.449	16.6	20.4
9 18	1 50.41	+ 7 5.7	1.533	2.437	13.0	20.1
9 28	1 44.09	+ 6 9.4	1.465	2.424	8.8	19.8
10 8	1 35.70	+ 5 4.1	1.421	2.411	4.2	19.6
10 18	1 26.17	+ 3 56.4	1.404	2.397	2.4	19.4
10 28	1 16.73	+ 2 54.7	1.414	2.383	6.9	19.6
11 7	1 8.60	+ 2 6.4	1.450	2.369	11.5	19.9
11 17	1 2.71	+ 1 36.7	1.509	2.354	15.7	20.1

53507 2000 AX_{120} 10 16.8 129°.89 1°.8/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.81	+ 8 35.5	1.695	2.518	16.1	18.9
9 18	1 49.78	+ 7 39.0	1.625	2.527	12.6	18.7
9 28	1 43.36	+ 6 29.2	1.576	2.535	8.4	18.5
10 8	1 35.20	+ 5 11.7	1.553	2.543	3.9	18.2
10 18	1 26.26	+ 3 53.4	1.557	2.550	2.3	18.2
10 28	1 17.64	+ 2 42.7	1.589	2.557	6.4	18.4
11 7	1 10.39	+ 1 46.3	1.648	2.564	10.6	18.7
11 17	1 5.22	+ 1 8.7	1.730	2.570	14.2	18.9

162443 2000 GF_{40} 10 16.8 79°.19 0°.2/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 59.95	+11 5.2	1.285	2.111	20.2	20.4
9 18	1 55.09	+10 46.7	1.234	2.135	15.8	20.2
9 28	1 47.13	+10 12.1	1.202	2.159	10.7	19.9
10 8	1 37.00	+ 9 25.6	1.193	2.182	5.0	19.7
10 18	1 26.03	+ 8 33.5	1.209	2.205	0.8	19.5
10 28	1 15.75	+ 7 44.3	1.251	2.228	6.3	19.9
11 7	1 7.46	+ 7 5.4	1.319	2.250	11.3	20.3
11 17	1 1.96	+ 6 41.8	1.410	2.272	15.5	20.6

357349 2003 QA_{52} 10 16.8 61°.45 5°.6/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 57.83	+25 22.7	2.127	2.861	16.1	20.4
9 18	1 52.68	+26 13.9	2.056	2.881	13.5	20.2
9 28	1 45.23	+26 47.7	2.005	2.902	10.6	20.1
10 8	1 36.09	+27 2.2	1.978	2.923	7.8	20.0
10 18	1 26.14	+26 56.9	1.978	2.943	5.8	19.9
10 28	1 16.45	+26 34.5	2.005	2.964	6.1	19.9
11 7	1 8.04	+26 0.3	2.060	2.985	8.2	20.1
11 17	1 1.64	+25 20.9	2.141	3.006	10.8	20.3

411811 2012 DU_{25} 10 16.8 172°.66 2°.4/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.77	+18 10.3	2.969	3.719	11.6	21.3
9 18	1 50.40	+18 32.4	2.874	3.722	9.5	21.2
9 28	1 43.38	+18 44.4	2.802	3.724	6.9	21.0
10 8	1 35.14	+18 46.2	2.756	3.726	4.3	20.8
10 18	1 26.27	+18 38.7	2.740	3.727	2.4	20.7
10 28	1 17.48	+18 23.8	2.756	3.728	3.6	20.8
11 7	1 9.47	+18 4.9	2.801	3.729	6.2	21.0
11 17	1 2.82	+17 45.6	2.875	3.729	8.7	21.1

376827 2001 FR_{113} 10 16.8 160°.96 0°.4/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.50	+13 47.2	1.852	2.651	15.9	21.7
9 18	1 51.01	+13 15.2	1.772	2.657	12.6	21.5
9 28	1 44.17	+12 27.4	1.713	2.662	8.7	21.3
10 8	1 35.61	+11 26.9	1.680	2.667	4.3	21.0
10 18	1 26.21	+10 18.3	1.674	2.670	0.6	20.8
10 28	1 17.08	+ 9 8.9	1.698	2.674	5.0	21.1
11 7	1 9.23	+ 8 5.8	1.749	2.677	9.2	21.4
11 17	1 3.42	+ 7 14.9	1.825	2.679	13.0	21.6

282103 2000 TV_{17} 10 16.8 22°.95 0°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 55.63	+10 33.3	1.401	2.230	18.7	19.9
9 18	1 51.84	+10 48.3	1.333	2.235	14.8	19.7
9 28	1 45.11	+10 50.8	1.284	2.240	10.2	19.4
10 8	1 36.16	+10 42.4	1.258	2.246	5.0	19.2
10 18	1 26.13	+10 26.7	1.257	2.253	0.7	18.9
10 28	1 16.44	+10 9.1	1.283	2.261	5.8	19.3
11 7	1 8.39	+ 9 55.7	1.333	2.269	10.8	19.6
11 17	1 2.91	+ 9 51.3	1.406	2.277	15.0	19.9

323256 2003 SG_{268} 10 16.8 85°.22 1°.8/17.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 59.70	+13 48.9	1.420	2.231	19.3	21.2
9 18	1 54.94	+14 4.6	1.355	2.244	15.4	21.0
9 28	1 47.15	+14 4.4	1.309	2.257	10.8	20.7
10 8	1 37.11	+13 49.3	1.285	2.270	5.7	20.5
10 18	1 26.01	+13 22.5	1.288	2.283	1.8	20.3
10 28	1 15.36	+12 50.0	1.317	2.296	5.7	20.6
11 7	1 6.49	+12 18.9	1.372	2.308	10.5	20.9
11 17	1 0.31	+11 55.8	1.451	2.321	14.7	21.2

346870 2009 FW_{24} 10 16.8 129°.58 0°.3/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 57.44	+10 28.6	2.116	2.913	14.3	20.7
9 18	1 52.19	+10 36.4	2.037	2.920	11.3	20.5
9 28	1 44.82	+10 35.1	1.980	2.928	7.7	20.3
10 8	1 35.88	+10 26.2	1.949	2.935	3.8	20.0
10 18	1 26.19	+10 12.3	1.946	2.942	0.5	19.8
10 28	1 16.72	+ 9 56.9	1.974	2.949	4.5	20.1
11 7	1 8.40	+ 9 44.3	2.030	2.956	8.3	20.4
11 17	1 1.92	+ 9 37.9	2.111	2.962	11.6	20.6

372836 2010 VT_{14} 10 16.8 352°.33 2°.6/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.56	+ 5 54.9	1.043	1.911	20.9	20.2
9 18	1 48.77	+ 5 38.4	0.978	1.904	16.4	19.9
9 28	1 43.54	+ 5 9.0	0.930	1.899	11.1	19.6
10 8	1 35.59	+ 4 32.4	0.903	1.895	5.4	19.3
10 18	1 26.21	+ 3 56.2	0.898	1.892	3.1	19.2
10 28	1 17.14	+ 3 29.7	0.916	1.890	8.4	19.5
11 7	1 9.99	+ 3 20.1	0.955	1.890	14.0	19.8
11 17	1 5.86	+ 3 31.0	1.014	1.891	18.9	20.1

476869 2008 VU_{10} 10 16.8 11°.21 1°.3/15.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.04	+10 30.2	1.146	2.005	20.0	20.5
9 18	1 44.76	+ 9 45.0	1.088	2.009	15.6	20.3
9 28	1 40.49	+ 8 40.3	1.047	2.013	10.5	20.0
10 8	1 33.99	+ 7 22.7	1.028	2.020	4.9	19.7
10 18	1 26.45	+ 6 1.2	1.032	2.028	1.9	19.5
10 28	1 19.30	+ 4 47.2	1.061	2.037	7.2	19.9
11 7	1 13.87	+ 3 50.4	1.112	2.047	12.5	20.2
11 17	1 11.00	+ 3 16.3	1.184	2.059	16.9	20.5

207967 1995 UZ_{23} 10 16.8 351°.19 1°.3/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.46	+12 9.1	0.970	1.830	22.7	20.7
9 18	1 49.08	+12 26.0	0.904	1.823	18.2	20.4
9 28	1 44.00	+12 23.8	0.854	1.817	12.7	20.1
10 8	1 35.92	+12 4.0	0.823	1.813	6.5	19.8
10 18	1 26.18	+11 31.2	0.813	1.809	1.3	19.4
10 28	1 16.70	+10 53.8	0.826	1.808	7.2	19.8
11 7	1 9.29	+10 22.1	0.860	1.807	13.4	20.1
11 17	1 5.17	+10 4.0	0.912	1.808	18.8	20.4

363467 2003 SC_{272} 10 16.8 44°.74 5°.7/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.94	+22 49.4	1.115	1.924	23.7	20.2
9 18	1 51.96	+23 13.5	1.064	1.943	19.5	20.0
9 28	1 45.46	+23 8.3	1.029	1.962	14.7	19.7
10 8	1 36.36	+22 32.8	1.012	1.983	9.7	19.5
10 18	1 26.15	+21 30.2	1.018	2.004	5.9	19.4
10 28	1 16.60	+20 9.9	1.048	2.025	7.1	19.6
11 7	1 9.24	+18 45.0	1.102	2.047	11.3	19.9
11 17	1 4.98	+17 27.5	1.177	2.070	15.6	20.2

350007 2010 GG_{156} 10 16.8 323°.65 5°.6/13.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 57.95	− 4 28.9	1.666	2.502	15.8	20.2
9 18	1 53.17	− 4 52.0	1.592	2.498	12.6	19.9
9 28	1 45.77	− 5 14.4	1.540	2.493	9.0	19.7
10 8	1 36.43	− 5 30.0	1.511	2.489	6.1	19.6
10 18	1 26.13	− 5 33.1	1.509	2.485	6.0	19.5
10 28	1 16.10	− 5 19.2	1.535	2.481	8.9	19.7
11 7	1 7.48	− 4 46.4	1.585	2.477	12.5	19.9
11 17	1 1.11	− 3 55.3	1.658	2.474	15.9	20.1

259689 2003 XW_{36} 10 16.8 16°.42 2°.4/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 57.00	+ 4 3.1	1.126	1.981	20.5	19.6
9 18	1 53.47	+ 4 9.8	1.066	1.984	16.1	19.3
9 28	1 46.50	+ 4 8.9	1.024	1.989	10.9	19.0
10 8	1 36.92	+ 4 5.0	1.004	1.994	5.3	18.7
10 18	1 26.08	+ 4 3.2	1.007	2.001	2.8	18.6
10 28	1 15.71	+ 4 9.4	1.034	2.008	7.9	18.9
11 7	1 7.37	+ 4 27.9	1.085	2.016	13.2	19.3
11 17	1 2.06	+ 5 0.8	1.156	2.025	17.7	19.6

269162 2008 ET_{155} 10 16.8 139°.39 2°.9/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 54.18	+ 5 26.2	1.733	2.562	15.6	21.8
9 18	1 50.01	+ 4 24.7	1.664	2.569	12.1	21.6
9 28	1 43.50	+ 3 12.9	1.617	2.577	8.1	21.4
10 8	1 35.29	+ 1 56.8	1.595	2.584	4.2	21.2
10 18	1 26.30	+ 0 43.8	1.601	2.590	3.4	21.1
10 28	1 17.64	− 0 18.3	1.635	2.596	7.0	21.4
11 7	1 10.31	− 1 3.6	1.696	2.602	10.9	21.6
11 17	1 5.02	− 1 29.1	1.779	2.607	14.4	21.8

487290 2014 QZ_{37} 10 16.8 44°.63 1°.3/18.1 18

9 8	1 50.74	+15 5.7	1.987	2.786	15.0	21.0
9 18	1 47.13	+14 53.3	1.913	2.796	11.9	20.9
9 28	1 41.46	+14 26.7	1.861	2.806	8.3	20.7
10 8	1 34.30	+13 47.9	1.833	2.817	4.4	20.5
10 18	1 26.44	+13 0.4	1.833	2.828	1.3	20.3
10 28	1 18.84	+12 9.6	1.861	2.839	4.3	20.5
11 7	1 12.38	+11 21.6	1.916	2.850	8.1	20.8
11 17	1 7.70	+10 41.5	1.997	2.862	11.5	21.0

174158 2002 PM_{62} 10 16.8 107°.09 3°.8/13.8 17

9 8	1 55.86	+ 3 25.5	1.570	2.405	16.7	20.9
9 18	1 51.44	+ 2 22.1	1.511	2.420	12.9	20.7
9 28	1 44.48	+ 1 10.3	1.474	2.434	8.7	20.5
10 8	1 35.75	− 0 3.0	1.462	2.448	4.8	20.3
10 18	1 26.26	− 1 9.7	1.476	2.462	4.4	20.3
10 28	1 17.22	− 2 1.9	1.518	2.475	7.9	20.5
11 7	1 9.70	− 2 34.6	1.586	2.488	11.8	20.8
11 17	1 4.44	− 2 45.7	1.676	2.501	15.3	21.1

132676 2002 NR_{14} 10 16.8 66°.53 2°.2/15.0 18 R

9 8	1 54.21	+ 6 13.4	1.663	2.493	16.1	19.7
9 18	1 49.98	+ 5 34.6	1.608	2.513	12.5	19.5
9 28	1 43.40	+ 4 46.4	1.573	2.533	8.3	19.3
10 8	1 35.20	+ 3 54.1	1.563	2.552	4.0	19.1
10 18	1 26.33	+ 3 3.8	1.580	2.572	2.6	19.0
10 28	1 17.92	+ 2 21.9	1.625	2.592	6.3	19.3
11 7	1 10.94	+ 1 53.5	1.696	2.612	10.3	19.6
11 17	1 6.04	+ 1 41.2	1.791	2.632	13.7	19.9

254469 2005 EG_{1} 10 16.8 305°.49 6°.3/20.5 18

9 8	1 55.42	+21 41.1	1.331	2.128	21.1	20.2
9 18	1 52.56	+22 36.4	1.241	2.112	17.8	19.9
9 28	1 46.27	+23 11.5	1.168	2.097	13.8	19.6
10 8	1 37.06	+23 22.4	1.115	2.082	9.6	19.4
10 18	1 26.03	+23 7.0	1.085	2.067	6.5	19.2
10 28	1 14.87	+22 28.4	1.080	2.053	7.7	19.2
11 7	1 5.35	+21 35.4	1.098	2.039	11.9	19.4
11 17	0 58.82	+20 38.8	1.138	2.026	16.5	19.6

278350 2007 JL_{18} 10 16.8 27°.23 12°.9/ 6.7 18

9 8	1 49.63	−14 50.9	1.190	2.059	18.7	18.7
9 18	1 47.24	−17 0.5	1.162	2.072	15.8	18.6
9 28	1 41.90	−18 56.8	1.154	2.086	13.6	18.5
10 8	1 34.55	−20 25.9	1.167	2.102	12.9	18.5
10 18	1 26.43	−21 17.3	1.201	2.118	14.0	18.6
10 28	1 18.96	−21 26.2	1.255	2.136	16.2	18.8
11 7	1 13.30	−20 54.5	1.328	2.154	18.6	19.0
11 17	1 10.15	−19 48.3	1.418	2.173	20.9	19.3

211380 Kevinwoyjeck 10 16.8 347°.02 2°.0/15.3 18

9 8	1 53.88	+ 5 18.5	1.738	2.567	15.6	20.6
9 18	1 49.92	+ 5 2.5	1.660	2.564	12.2	20.4
9 28	1 43.55	+ 4 38.6	1.603	2.563	8.2	20.1
10 8	1 35.38	+ 4 10.7	1.571	2.561	4.0	19.9
10 18	1 26.30	+ 3 43.6	1.566	2.559	2.3	19.8
10 28	1 17.43	+ 3 22.7	1.589	2.558	6.2	20.0
11 7	1 9.83	+ 3 12.5	1.638	2.557	10.4	20.3
11 17	1 4.30	+ 3 16.0	1.710	2.557	14.0	20.5

411928 2012 GP_{2} 10 16.8 346°.08 0°.1/16.7 18

9 8	1 52.88	+ 9 23.5	2.141	2.949	13.7	20.6
9 18	1 48.72	+ 9 25.0	2.055	2.947	10.8	20.4
9 28	1 42.53	+ 9 17.9	1.992	2.945	7.4	20.2
10 8	1 34.84	+ 9 4.3	1.955	2.943	3.5	19.9
10 18	1 26.38	+ 8 46.9	1.945	2.941	0.5	19.7
10 28	1 18.06	+ 8 29.7	1.964	2.940	4.5	20.0
11 7	1 10.75	+ 8 16.6	2.012	2.938	8.3	20.2
11 17	1 5.14	+ 8 11.0	2.084	2.937	11.6	20.4

517524 2014 QB_{456} 10 16.8 79°.47 0°.2/16.7 18

9 8	1 53.68	+ 9 7.2	2.354	3.156	12.9	21.1
9 18	1 49.06	+ 9 7.8	2.275	3.163	10.1	20.9
9 28	1 42.60	+ 9 0.8	2.218	3.169	6.8	20.7
10 8	1 34.81	+ 8 48.0	2.188	3.176	3.2	20.5
10 18	1 26.39	+ 8 32.1	2.187	3.183	0.5	20.3
10 28	1 18.16	+ 8 16.6	2.215	3.189	4.2	20.6
11 7	1 10.89	+ 8 5.0	2.272	3.196	7.6	20.9
11 17	1 5.20	+ 8 0.3	2.355	3.203	10.6	21.1

90483 2004 DM_{4} 10 16.8 146°.95 3°.2/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 56.75	+18 46.8	2.132	2.899	15.1	20.2
9 18	1 51.86	+19 13.3	2.046	2.903	12.3	20.0
9 28	1 44.73	+19 26.0	1.980	2.907	9.1	19.8
10 8	1 35.92	+19 24.3	1.939	2.910	5.7	19.6
10 18	1 26.24	+19 9.2	1.926	2.913	3.3	19.5
10 28	1 16.70	+18 43.8	1.942	2.916	4.7	19.6
11 7	1 8.28	+18 13.3	1.986	2.919	8.0	19.8
11 17	1 1.75	+17 43.0	2.057	2.921	11.2	20.0

329073 2011 BJ_{12} 10 16.8 246°.88 3°.1/20.3 18

9 8	1 50.45	+21 27.0	2.494	3.251	13.4	21.2
9 18	1 46.69	+21 25.7	2.396	3.245	11.1	21.0
9 28	1 41.10	+21 9.2	2.319	3.239	8.3	20.9
10 8	1 34.15	+20 37.8	2.267	3.234	5.4	20.7
10 18	1 26.48	+19 53.1	2.243	3.228	3.2	20.5
10 28	1 18.91	+18 59.0	2.248	3.222	4.2	20.6
11 7	1 12.21	+18 0.6	2.282	3.216	7.0	20.7
11 17	1 7.01	+17 3.7	2.342	3.210	9.9	20.9

351109 2003 UX_{347} 10 16.8 9°.26 1°.8/15.3 18

9 8	1 49.65	+ 8 29.4	1.485	2.326	17.2	20.9
9 18	1 46.97	+ 7 43.8	1.415	2.327	13.4	20.7
9 28	1 41.70	+ 6 43.9	1.366	2.328	9.0	20.4
10 8	1 34.53	+ 5 35.3	1.339	2.330	4.2	20.2
10 18	1 26.43	+ 4 25.2	1.339	2.333	2.3	20.0
10 28	1 18.62	+ 3 22.5	1.365	2.336	6.7	20.3
11 7	1 12.22	+ 2 34.4	1.416	2.340	11.3	20.6
11 17	1 8.03	+ 2 5.6	1.489	2.344	15.2	20.9

407092 2009 SF_{268} 10 16.8 56°.15 1°.8/18.4 18

9 8	1 54.14	+14 59.9	2.200	2.986	14.1	20.9
9 18	1 49.66	+15 15.6	2.117	2.990	11.3	20.7
9 28	1 43.15	+15 19.8	2.055	2.995	8.1	20.5
10 8	1 35.13	+15 13.2	2.019	2.999	4.5	20.3
10 18	1 26.36	+14 57.5	2.011	3.004	1.8	20.1
10 28	1 17.75	+14 36.1	2.032	3.009	4.2	20.3
11 7	1 10.18	+14 13.5	2.081	3.014	7.7	20.5
11 17	1 4.34	+13 54.1	2.156	3.019	10.9	20.7

327531 2006 BT_{142} 10 16.8 258°.40 3°.8/20.6 17

9 8	1 53.20	+21 51.0	2.412	3.164	14.0	21.9
9 18	1 48.94	+22 14.7	2.316	3.160	11.6	21.7
9 28	1 42.70	+22 24.2	2.241	3.156	8.8	21.5
10 8	1 34.95	+22 18.6	2.190	3.152	6.0	21.4
10 18	1 26.39	+21 58.7	2.167	3.148	3.9	21.2
10 28	1 17.89	+21 27.2	2.173	3.144	4.7	21.3
11 7	1 10.32	+20 48.8	2.207	3.139	7.3	21.4
11 17	1 4.38	+20 8.8	2.268	3.135	10.2	21.6

427847 2005 ME_{18} 10 16.8 110°.28 3°.7/13.8 16

9 8	1 56.99	+ 2 46.0	1.714	2.542	15.8	22.2
9 18	1 52.06	+ 1 47.6	1.657	2.562	12.2	22.0
9 28	1 44.77	+ 0 42.4	1.622	2.580	8.2	21.8
10 8	1 35.86	− 0 23.2	1.613	2.598	4.6	21.6
10 18	1 26.29	− 1 22.0	1.631	2.616	4.2	21.6
10 28	1 17.18	− 2 7.5	1.677	2.633	7.4	21.9
11 7	1 9.51	− 2 35.1	1.750	2.649	11.1	22.1
11 17	1 3.96	− 2 43.3	1.846	2.665	14.3	22.4

358830 2008 EZ_{164} 10 16.8 3°.55 1°.0/15.9 18

9 8	1 50.19	+ 9 13.3	1.834	2.658	15.1	20.9
9 18	1 46.92	+ 8 42.0	1.756	2.658	11.8	20.7
9 28	1 41.45	+ 7 59.0	1.700	2.658	7.9	20.4
10 8	1 34.37	+ 7 8.0	1.668	2.658	3.7	20.2
10 18	1 26.48	+ 6 14.1	1.664	2.659	1.4	20.0
10 28	1 18.81	+ 5 23.9	1.687	2.660	5.5	20.3
11 7	1 12.29	+ 4 43.1	1.737	2.661	9.5	20.6
11 17	1 7.64	+ 4 16.1	1.811	2.663	13.1	20.8

147416 2003 FO_{113} 10 16.8 191°.95 0°.3/16.6 18

9 8	1 51.09	+10 55.9	2.140	2.947	13.8	20.5
9 18	1 47.30	+10 28.7	2.056	2.947	10.8	20.3
9 28	1 41.56	+ 9 50.1	1.994	2.947	7.3	20.1
10 8	1 34.38	+ 9 3.0	1.958	2.946	3.5	19.8
10 18	1 26.48	+ 8 11.5	1.950	2.946	0.7	19.6
10 28	1 18.76	+ 7 21.0	1.971	2.946	4.6	19.9
11 7	1 12.04	+ 6 37.0	2.020	2.945	8.4	20.2
11 17	1 6.98	+ 6 3.6	2.095	2.945	11.7	20.4

490517 2009 UF_{117} 10 16.8 284°.06 3°.0/20.1 17

9 8	1 49.67	+21 22.8	2.413	3.174	13.7	21.6
9 18	1 46.26	+21 14.2	2.301	3.154	11.3	21.4
9 28	1 40.94	+20 49.4	2.210	3.134	8.5	21.2
10 8	1 34.14	+20 8.3	2.144	3.113	5.4	21.0
10 18	1 26.51	+19 12.7	2.106	3.093	3.1	20.8
10 28	1 18.87	+18 6.8	2.096	3.072	4.3	20.8
11 7	1 12.08	+16 56.5	2.115	3.051	7.4	21.0
11 17	1 6.83	+15 48.2	2.161	3.030	10.6	21.2

276387 2002 WO_{25} 10 16.8 20°.28 1°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 48.86	+10 9.5	1.068	1.928	21.0	20.3
9 18	1 47.14	+ 9 33.4	1.014	1.936	16.4	20.0
9 28	1 42.19	+ 8 38.5	0.979	1.945	11.1	19.8
10 8	1 34.85	+ 7 30.9	0.963	1.955	5.1	19.5
10 18	1 26.43	+ 6 19.7	0.971	1.967	1.8	19.3
10 28	1 18.52	+ 5 15.9	1.003	1.979	7.4	19.7
11 7	1 12.51	+ 4 28.8	1.056	1.993	12.8	20.1
11 17	1 9.28	+ 4 3.8	1.131	2.008	17.4	20.4

49978 1999 YT_{5} 10 16.8 16°.59 7°.6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	2 17.89	+11 59.0	1.014	1.827	25.3	16.8
9 18	2 11.24	+15 11.3	0.950	1.834	20.9	16.5
9 28	1 59.58	+18 23.1	0.904	1.843	15.6	16.3
10 8	1 43.65	+21 21.9	0.881	1.853	10.4	16.0
10 18	1 25.21	+23 53.0	0.884	1.865	7.6	15.9
10 28	1 7.03	+25 47.3	0.913	1.879	10.2	16.1
11 7	0 51.76	+27 6.5	0.967	1.895	14.8	16.4
11 17	0 41.13	+28 0.4	1.042	1.911	19.2	16.8

479334 2013 WC_{4} 10 16.8 340°.69 3°.6/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.24	+ 4 40.5	1.098	1.968	19.9	20.8
9 18	1 46.88	+ 4 6.3	1.027	1.955	15.6	20.5
9 28	1 42.27	+ 3 19.2	0.973	1.942	10.6	20.2
10 8	1 35.05	+ 2 26.0	0.940	1.931	5.5	19.8
10 18	1 26.39	+ 1 35.7	0.929	1.921	4.2	19.7
10 28	1 17.91	+ 0 58.4	0.942	1.912	9.1	20.0
11 7	1 11.16	+ 0 41.9	0.976	1.905	14.5	20.3
11 17	1 7.26	+ 0 49.9	1.029	1.900	19.3	20.5

1421 Esperanto 10 16.8 174°.51 1°.5/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.79	+ 5 25.0	2.535	3.344	11.8	15.8
9 18	1 48.25	+ 5 7.3	2.452	3.346	9.2	15.6
9 28	1 42.01	+ 4 43.9	2.392	3.347	6.2	15.4
10 8	1 34.55	+ 4 17.6	2.359	3.347	3.0	15.2
10 18	1 26.49	+ 3 51.8	2.355	3.348	1.7	15.1
10 28	1 18.59	+ 3 30.1	2.382	3.348	4.7	15.3
11 7	1 11.55	+ 3 15.9	2.437	3.348	7.8	15.5
11 17	1 5.94	+ 3 11.4	2.518	3.348	10.6	15.7

449622 2014 KQ 10 16.8 124°.20 4°.1/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.99	− 1 28.3	2.229	3.054	12.7	21.8
9 18	1 49.26	− 2 16.6	2.165	3.067	9.9	21.7
9 28	1 42.70	− 3 7.1	2.125	3.079	6.9	21.5
10 8	1 34.85	− 3 54.7	2.112	3.091	4.5	21.4
10 18	1 26.46	− 4 34.3	2.127	3.102	4.5	21.4
10 28	1 18.35	− 5 1.2	2.170	3.113	6.9	21.6
11 7	1 11.31	− 5 12.8	2.241	3.124	9.8	21.8
11 17	1 5.89	− 5 8.0	2.336	3.134	12.4	22.0

63137 2000 WM_{191} 10 16.8 103°.55 1°.4/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.51	+ 9 25.3	1.857	2.673	15.2	19.0
9 18	1 49.28	+ 8 28.8	1.793	2.690	11.8	18.8
9 28	1 42.88	+ 7 19.8	1.751	2.707	7.9	18.6
10 8	1 34.98	+ 6 3.6	1.734	2.724	3.6	18.4
10 18	1 26.44	+ 4 46.5	1.746	2.740	1.8	18.3
10 28	1 18.28	+ 3 35.9	1.787	2.756	5.7	18.6
11 7	1 11.39	+ 2 38.1	1.855	2.771	9.5	18.9
11 17	1 6.40	+ 1 57.0	1.948	2.786	12.9	19.1

303049 2003 YM_{93} 10 16.8 151°.44 4°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.58	− 3 49.2	2.150	2.975	13.1	20.6
9 18	1 50.62	− 4 31.5	2.081	2.980	10.3	20.4
9 28	1 43.69	− 5 14.2	2.035	2.986	7.4	20.3
10 8	1 35.36	− 5 52.2	2.016	2.990	5.1	20.1
10 18	1 26.39	− 6 20.1	2.025	2.995	5.3	20.1
10 28	1 17.69	− 6 33.7	2.062	2.999	7.6	20.3
11 7	1 10.10	− 6 30.7	2.126	3.003	10.5	20.5
11 17	1 4.23	− 6 10.6	2.214	3.006	13.2	20.7

440913 2006 VR_{81} 10 16.8 11°.79 0°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.83	+10 0.9	1.561	2.383	17.4	20.4
9 18	1 51.78	+10 26.0	1.487	2.385	13.8	20.1
9 28	1 45.00	+10 40.8	1.434	2.388	9.5	19.9
10 8	1 36.16	+10 46.7	1.404	2.392	4.7	19.6
10 18	1 26.28	+10 46.1	1.400	2.396	0.7	19.4
10 28	1 16.65	+10 43.0	1.424	2.401	5.4	19.7
11 7	1 8.49	+10 42.2	1.473	2.407	10.0	20.0
11 17	1 2.68	+10 47.8	1.546	2.414	14.1	20.3

439668 2014 HB_{152} 10 16.8 38°.61 4°.0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.30	+ 1 59.4	1.723	2.564	15.2	21.0
9 18	1 47.82	+ 0 59.1	1.655	2.567	11.8	20.8
9 28	1 42.07	− 0 8.3	1.610	2.570	8.0	20.5
10 8	1 34.67	− 1 16.1	1.589	2.574	4.7	20.4
10 18	1 26.49	− 2 17.2	1.595	2.578	4.6	20.4
10 28	1 18.59	− 3 4.4	1.628	2.582	7.8	20.6
11 7	1 11.95	− 3 32.9	1.686	2.586	11.4	20.8
11 17	1 7.28	− 3 40.7	1.767	2.590	14.7	21.0

422329 2014 SK_{209} 10 16.8 59°.49 3°.6/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.61	+ 0 2.9	2.518	3.348	11.3	20.8
9 18	1 44.20	− 0 58.7	2.449	3.354	8.7	20.7
9 28	1 39.24	− 2 3.9	2.404	3.360	6.0	20.5
10 8	1 33.21	− 3 7.8	2.386	3.367	3.9	20.4
10 18	1 26.69	− 4 5.4	2.397	3.374	4.0	20.4
10 28	1 20.35	− 4 51.9	2.437	3.380	6.3	20.6
11 7	1 14.84	− 5 24.0	2.504	3.387	8.9	20.7
11 17	1 10.64	− 5 39.9	2.596	3.394	11.3	20.9

479635 2014 DT_{44} 10 16.8 85°.78 3°.2/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.37	+ 3 31.8	1.737	2.570	15.4	21.1
9 18	1 49.44	+ 2 47.7	1.667	2.574	12.0	20.9
9 28	1 43.17	+ 1 56.0	1.618	2.578	8.1	20.7
10 8	1 35.19	+ 1 2.0	1.594	2.582	4.3	20.5
10 18	1 26.42	+ 0 12.3	1.598	2.586	3.6	20.4
10 28	1 17.93	− 0 26.7	1.629	2.590	7.1	20.6
11 7	1 10.73	− 0 50.1	1.686	2.594	10.9	20.9
11 17	1 5.54	− 0 55.5	1.766	2.597	14.3	21.1

354271 2002 RC_{111} 10 16.8 0°.67 7°.4/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.80	+23 36.7	1.369	2.159	20.9	20.4
9 18	1 50.22	+24 51.9	1.294	2.156	17.8	20.2
9 28	1 44.45	+25 46.3	1.236	2.155	14.1	19.9
10 8	1 36.10	+26 15.6	1.198	2.155	10.3	19.7
10 18	1 26.28	+26 17.5	1.182	2.156	7.7	19.6
10 28	1 16.59	+25 54.7	1.191	2.158	8.1	19.6
11 7	1 8.56	+25 14.9	1.223	2.162	11.2	19.8
11 17	1 3.34	+24 27.9	1.277	2.167	14.9	20.0

191401 2003 SZ_{73} 10 16.8 309°.82 1°.2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 46.78	+10 21.6	2.100	2.919	13.6	19.7
9 18	1 44.11	+ 9 18.5	2.004	2.904	10.6	19.5
9 28	1 39.51	+ 8 1.0	1.930	2.888	7.2	19.3
10 8	1 33.47	+ 6 33.5	1.883	2.873	3.3	19.0
10 18	1 26.65	+ 5 1.8	1.863	2.857	1.7	18.8
10 28	1 19.91	+ 3 33.7	1.873	2.842	5.4	19.1
11 7	1 14.09	+ 2 16.1	1.910	2.828	9.2	19.3
11 17	1 9.86	+ 1 14.7	1.972	2.813	12.7	19.5

321499 2009 SE_{120} 10 16.8 36°.49 2°.2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.30	+16 18.6	1.908	2.703	15.7	20.4
9 18	1 48.50	+16 27.2	1.836	2.713	12.6	20.2
9 28	1 42.48	+16 21.3	1.784	2.725	9.0	20.0
10 8	1 34.87	+16 1.9	1.756	2.736	5.1	19.8
10 18	1 26.48	+15 31.5	1.756	2.748	2.2	19.7
10 28	1 18.36	+14 54.7	1.783	2.761	4.5	19.9
11 7	1 11.45	+14 17.4	1.837	2.774	8.2	20.1
11 17	1 6.45	+13 45.0	1.917	2.787	11.7	20.4

340381 2006 DU_{197} 10 16.8 216°.13 5°.2/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 58.69	+23 29.1	2.055	2.800	16.3	20.7
9 18	1 53.75	+24 11.8	1.959	2.795	13.7	20.5
9 28	1 46.28	+24 38.2	1.882	2.790	10.7	20.3
10 8	1 36.81	+24 46.1	1.830	2.784	7.5	20.1
10 18	1 26.21	+24 34.7	1.803	2.778	5.3	19.9
10 28	1 15.62	+24 6.3	1.805	2.771	6.0	20.0
11 7	1 6.21	+23 26.5	1.835	2.764	8.8	20.1
11 17	0 58.87	+22 42.2	1.891	2.757	12.0	20.3

57325 2001 QS_{241} 10 16.8 268°.61 3°.4/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.33	+ 5 17.3	1.655	2.492	15.9	19.5
9 18	1 48.17	+ 4 6.6	1.570	2.480	12.4	19.3
9 28	1 42.54	+ 2 42.9	1.507	2.468	8.4	19.0
10 8	1 35.01	+ 1 12.8	1.468	2.456	4.5	18.8
10 18	1 26.47	− 0 15.4	1.456	2.444	4.0	18.7
10 28	1 18.05	− 1 32.1	1.472	2.431	7.8	18.9
11 7	1 10.87	− 2 29.8	1.513	2.419	12.1	19.1
11 17	1 5.77	− 3 4.3	1.576	2.406	15.9	19.4

445189 2009 BL_{187} 10 16.8 151°.34 1°.8/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.04	+ 6 19.8	2.531	3.339	11.9	22.4
9 18	1 47.61	+ 5 28.0	2.455	3.349	9.2	22.2
9 28	1 41.54	+ 4 28.6	2.402	3.358	6.1	22.0
10 8	1 34.32	+ 3 25.5	2.378	3.366	3.0	21.8
10 18	1 26.58	+ 2 23.5	2.383	3.374	2.2	21.8
10 28	1 19.05	+ 1 27.5	2.419	3.381	5.0	22.0
11 7	1 12.40	+ 0 41.9	2.483	3.387	8.0	22.2
11 17	1 7.18	+ 0 9.5	2.573	3.393	10.7	22.4

88974 2001 TD_{59} 10 16.8 52°.28 0°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.82	+12 44.8	1.334	2.162	19.5	19.8
9 18	1 51.13	+12 27.0	1.280	2.181	15.3	19.6
9 28	1 44.54	+11 51.9	1.244	2.200	10.5	19.4
10 8	1 35.89	+11 3.0	1.231	2.220	5.1	19.1
10 18	1 26.38	+10 6.6	1.243	2.240	0.6	18.8
10 28	1 17.42	+ 9 10.8	1.282	2.260	5.9	19.3
11 7	1 10.23	+ 8 23.7	1.345	2.280	10.7	19.6
11 17	1 5.59	+ 7 51.0	1.431	2.301	14.9	19.9

117728 2005 GT_{13} 10 16.8 103°.57 3°.4/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 55.76	+ 0 57.8	1.963	2.788	14.2	19.8
9 18	1 50.95	+ 0 29.3	1.896	2.798	11.0	19.6
9 28	1 44.01	− 0 3.1	1.851	2.807	7.5	19.4
10 8	1 35.56	− 0 34.6	1.832	2.817	4.2	19.2
10 18	1 26.43	− 1 0.4	1.841	2.826	3.7	19.2
10 28	1 17.62	− 1 15.8	1.879	2.835	6.7	19.4
11 7	1 10.01	− 1 17.8	1.943	2.844	10.1	19.7
11 17	1 4.28	− 1 5.1	2.032	2.853	13.1	19.9

348049 2003 UO_{155} 10 16.8 344°.45 3°.9/14.6 18

9 8	1 53.34	+ 1 6.6	1.342	2.195	17.9	20.1
9 18	1 50.29	+ 0 55.3	1.267	2.185	14.1	19.8
9 28	1 44.27	+ 0 39.4	1.212	2.176	9.7	19.5
10 8	1 35.93	+ 0 24.1	1.180	2.168	5.3	19.3
10 18	1 26.37	+ 0 15.7	1.171	2.161	4.3	19.2
10 28	1 17.00	+ 0 19.9	1.188	2.154	8.3	19.4
11 7	1 9.20	+ 0 40.7	1.229	2.150	13.0	19.7
11 17	1 3.96	+ 1 19.1	1.291	2.146	17.2	19.9

515602 2014 JD_{65} 10 16.8 104°.86 2°.3/14.7 18

9 8	1 52.18	+ 5 24.5	1.973	2.798	14.2	21.5
9 18	1 48.24	+ 4 42.6	1.900	2.803	11.0	21.3
9 28	1 42.23	+ 3 52.5	1.849	2.808	7.3	21.1
10 8	1 34.74	+ 2 58.7	1.825	2.813	3.7	20.9
10 18	1 26.55	+ 2 6.7	1.828	2.818	2.7	20.8
10 28	1 18.60	+ 1 22.4	1.859	2.823	6.0	21.1
11 7	1 11.78	+ 0 50.6	1.918	2.828	9.6	21.3
11 17	1 6.74	+ 0 34.1	2.000	2.833	12.9	21.5

519255 2010 XJ_{93} 10 16.8 163°.36 1°.1/18.2 18

9 8	1 50.49	+15 19.7	2.659	3.439	12.1	22.0
9 18	1 46.48	+15 4.3	2.570	3.442	9.6	21.9
9 28	1 40.84	+14 37.6	2.504	3.444	6.8	21.7
10 8	1 34.03	+14 1.0	2.464	3.446	3.6	21.5
10 18	1 26.65	+13 17.3	2.453	3.448	1.1	21.3
10 28	1 19.40	+12 30.4	2.473	3.450	3.5	21.5
11 7	1 12.97	+11 44.7	2.521	3.452	6.6	21.7
11 17	1 7.90	+11 4.5	2.597	3.453	9.5	21.9

273356 2006 UB_{137} 10 16.8 314°.92 1°.2/17.5 18

9 8	1 53.55	+11 33.7	1.256	2.094	19.9	21.0
9 18	1 51.17	+11 56.2	1.162	2.068	16.1	20.7
9 28	1 45.43	+12 4.9	1.085	2.042	11.4	20.3
10 8	1 36.77	+12 0.3	1.029	2.017	5.9	20.0
10 18	1 26.24	+11 44.6	0.996	1.992	1.3	19.6
10 28	1 15.45	+11 23.4	0.988	1.968	6.7	19.8
11 7	1 6.17	+11 4.3	1.003	1.945	12.7	20.1
11 17	0 59.78	+10 54.6	1.039	1.923	18.0	20.3

123328 2000 VL_{30} 10 16.8 319°.75 3°.4/14.1 18

9 8	1 51.63	+ 4 8.1	1.610	2.451	16.1	19.5
9 18	1 48.39	+ 3 16.4	1.534	2.446	12.5	19.2
9 28	1 42.66	+ 2 14.7	1.479	2.441	8.5	19.0
10 8	1 35.06	+ 1 9.4	1.449	2.437	4.5	18.7
10 18	1 26.51	+ 0 7.6	1.444	2.433	3.9	18.7
10 28	1 18.17	− 0 42.6	1.467	2.428	7.6	18.9
11 7	1 11.15	− 1 15.4	1.514	2.425	11.7	19.1
11 17	1 6.24	− 1 27.6	1.584	2.421	15.5	19.4

495025 2010 UF_{37} 10 16.8 346°.68 6°.2/22.9 18

9 8	1 47.22	+28 4.7	1.732	2.489	18.4	20.2
9 18	1 45.19	+28 13.6	1.642	2.481	15.8	20.0
9 28	1 40.65	+27 57.0	1.569	2.473	12.6	19.8
10 8	1 34.16	+27 12.8	1.518	2.467	9.2	19.6
10 18	1 26.62	+26 2.2	1.490	2.461	6.6	19.4
10 28	1 19.22	+24 30.5	1.488	2.457	6.6	19.4
11 7	1 13.11	+22 47.2	1.512	2.453	9.3	19.6
11 17	1 9.14	+21 3.0	1.561	2.450	12.7	19.8

366585 2002 TF_{193} 10 16.8 349°.11 1°.1/16.4 18

9 8	1 50.24	+ 5 57.6	0.964	1.838	21.7	19.3
9 18	1 48.97	+ 6 25.2	0.896	1.824	17.3	19.0
9 28	1 44.03	+ 6 43.9	0.844	1.813	11.9	18.6
10 8	1 36.06	+ 6 56.8	0.811	1.803	5.7	18.3
10 18	1 26.36	+ 7 7.7	0.800	1.796	1.6	18.0
10 28	1 16.82	+ 7 22.5	0.811	1.791	7.8	18.4
11 7	1 9.28	+ 7 46.5	0.842	1.787	14.0	18.7
11 17	1 5.02	+ 8 23.1	0.893	1.786	19.3	19.0

86373 1999 YK 10 16.8 352°.83 31°.1/ 8.0 17

9 8	1 45.31	−48 55.5	0.778	1.590	31.1	17.2
9 18	1 46.96	−52 18.2	0.787	1.581	32.1	17.2
9 28	1 43.24	−54 32.9	0.804	1.573	33.2	17.3
10 8	1 35.60	−55 29.5	0.826	1.568	34.2	17.4
10 18	1 26.47	−55 4.5	0.853	1.565	35.1	17.5
10 28	1 18.61	−53 21.2	0.884	1.564	35.9	17.6
11 7	1 13.93	−50 29.5	0.918	1.565	36.5	17.7
11 17	1 13.18	−46 41.4	0.956	1.568	37.0	17.8

169435 2002 AF_{52} 10 16.8 232°.98 0°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 55.43	+12 45.9	1.594	2.407	17.5	20.9
9 18	1 51.60	+12 18.0	1.505	2.399	13.9	20.7
9 28	1 45.01	+11 33.0	1.437	2.390	9.6	20.4
10 8	1 36.27	+10 33.4	1.392	2.380	4.7	20.1
10 18	1 26.36	+ 9 24.5	1.374	2.370	0.6	19.8
10 28	1 16.56	+ 8 14.4	1.383	2.360	5.8	20.1
11 7	1 8.14	+ 7 11.8	1.419	2.349	10.8	20.4
11 17	1 2.06	+ 6 23.6	1.478	2.338	15.1	20.6

271975 2005 BC_{14} 10 16.8 292°.37 0°.9/17.5 17

9 8	1 59.45	+10 21.7	2.351	3.136	13.3	21.0
9 18	1 54.00	+10 53.6	2.234	3.111	10.7	20.8
9 28	1 46.33	+11 19.3	2.141	3.085	7.5	20.5
10 8	1 36.86	+11 39.3	2.074	3.059	3.9	20.3
10 18	1 26.28	+11 54.1	2.037	3.033	0.9	20.0
10 28	1 15.54	+12 5.8	2.031	3.007	4.4	20.2
11 7	1 5.64	+12 17.2	2.055	2.981	8.2	20.4
11 17	0 57.41	+12 31.2	2.106	2.955	11.7	20.6

36291 2000 GG_{98} 10 16.8 58°.23 1°.2/18.1 18

9 8	1 50.85	+16 22.3	1.786	2.587	16.3	17.9
9 18	1 47.48	+15 49.8	1.715	2.599	13.0	17.7
9 28	1 41.84	+14 59.4	1.665	2.611	9.1	17.5
10 8	1 34.59	+13 53.9	1.639	2.623	4.8	17.3
10 18	1 26.60	+12 38.5	1.639	2.635	1.2	17.1
10 28	1 18.93	+11 20.5	1.668	2.647	4.7	17.3
11 7	1 12.53	+10 7.9	1.725	2.659	8.8	17.6
11 17	1 8.08	+ 9 6.9	1.806	2.672	12.5	17.9

409090 2003 ST_{338} 10 16.9 119°.42 0°.7/16.1 18

9 8	1 53.59	+ 7 37.8	2.522	3.324	12.1	21.6
9 18	1 48.86	+ 7 29.4	2.443	3.332	9.4	21.5
9 28	1 42.43	+ 7 14.3	2.388	3.341	6.3	21.3
10 8	1 34.79	+ 6 54.9	2.360	3.349	3.0	21.1
10 18	1 26.59	+ 6 34.0	2.362	3.357	1.0	20.9
10 28	1 18.57	+ 6 15.2	2.393	3.365	4.2	21.2
11 7	1 11.46	+ 6 1.6	2.454	3.372	7.4	21.4
11 17	1 5.81	+ 5 56.0	2.540	3.380	10.2	21.6

65194 2002 CV_{264} 10 16.9 166°.28 3°.4/10.6 18

9 8	1 44.98	− 8 26.8	4.393	5.211	7.0	19.5
9 18	1 41.51	− 8 58.6	4.320	5.211	5.6	19.4
9 28	1 37.15	− 9 28.8	4.273	5.212	4.3	19.3
10 8	1 32.19	− 9 54.7	4.254	5.212	3.5	19.3
10 18	1 26.93	−10 14.1	4.264	5.212	3.7	19.3
10 28	1 21.77	−10 24.8	4.304	5.212	4.9	19.4
11 7	1 17.05	−10 25.8	4.371	5.213	6.3	19.5
11 17	1 13.08	−10 16.6	4.463	5.213	7.7	19.6

396913 2005 ED_{36} 10 16.9 213°.56 6°.5/23.0 18

9 8	1 57.29	+29 11.0	2.248	2.957	16.0	21.5
9 18	1 52.58	+29 54.0	2.149	2.952	13.8	21.3
9 28	1 45.46	+30 18.7	2.069	2.947	11.2	21.1
10 8	1 36.44	+30 22.0	2.012	2.941	8.7	21.0
10 18	1 26.36	+30 2.8	1.980	2.934	6.8	20.8
10 28	1 16.28	+29 22.9	1.976	2.928	6.8	20.8
11 7	1 7.31	+28 27.8	2.000	2.921	8.7	20.9
11 17	1 0.31	+27 24.7	2.049	2.913	11.3	21.1

449747 2014 OJ_{6} 10 16.9 123°.07 4°.4/11.9 18

9 8	1 50.56	− 2 34.5	2.392	3.221	11.8	21.4
9 18	1 46.57	− 3 35.2	2.326	3.229	9.2	21.2
9 28	1 40.90	− 4 37.9	2.283	3.236	6.6	21.0
10 8	1 34.06	− 5 37.1	2.268	3.243	4.6	20.9
10 18	1 26.70	− 6 27.6	2.281	3.250	4.9	21.0
10 28	1 19.55	− 7 4.6	2.323	3.257	7.1	21.1
11 7	1 13.32	− 7 25.3	2.391	3.264	9.6	21.3
11 17	1 8.55	− 7 28.7	2.483	3.270	12.1	21.5

247741 2003 LM_{5} 10 16.9 53°.48 1°.7/18.1 17

9 8	1 54.24	+16 26.6	1.151	1.981	21.8	19.9
9 18	1 51.20	+16 4.5	1.097	1.997	17.4	19.7
9 28	1 44.87	+15 18.0	1.061	2.014	12.2	19.5
10 8	1 36.16	+14 10.4	1.045	2.031	6.4	19.2
10 18	1 26.43	+12 49.0	1.053	2.049	1.7	19.0
10 28	1 17.31	+11 24.7	1.086	2.067	6.2	19.3
11 7	1 10.19	+10 9.1	1.143	2.085	11.5	19.7
11 17	1 5.95	+ 9 10.7	1.222	2.103	16.1	20.0

255084 2005 UT_{39} 10 16.9 45°.22 0°.9/17.7 18

9 8	1 51.32	+14 41.6	1.697	2.507	16.7	19.6
9 18	1 47.81	+14 14.1	1.639	2.529	13.2	19.5
9 28	1 42.02	+13 30.3	1.603	2.552	9.1	19.3
10 8	1 34.65	+12 33.5	1.590	2.576	4.6	19.1
10 18	1 26.63	+11 29.2	1.604	2.599	0.9	18.8
10 28	1 19.03	+10 24.3	1.645	2.623	4.8	19.2
11 7	1 12.80	+ 9 26.1	1.714	2.648	8.9	19.5
11 17	1 8.58	+ 8 39.8	1.806	2.672	12.5	19.8

369685 2012 BU_{18} 10 16.9 140°.52 2°.0/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 58.28	+16 39.5	1.695	2.485	17.5	21.9
9 18	1 53.49	+16 31.8	1.620	2.495	14.1	21.7
9 28	1 46.06	+16 6.4	1.564	2.505	10.0	21.5
10 8	1 36.68	+15 24.6	1.533	2.514	5.5	21.3
10 18	1 26.36	+14 30.1	1.528	2.522	2.0	21.1
10 28	1 16.37	+13 29.3	1.552	2.530	5.1	21.3
11 7	1 7.85	+12 30.2	1.603	2.537	9.4	21.6
11 17	1 1.65	+11 39.7	1.679	2.544	13.3	21.8

442496 2011 VY_{18} 10 16.9 350°.94 1°.2/15.9 18

9 8	1 52.36	+ 7 37.8	1.637	2.468	16.3	21.1
9 18	1 48.97	+ 7 24.4	1.560	2.465	12.8	20.9
9 28	1 43.07	+ 7 0.7	1.502	2.462	8.6	20.6
10 8	1 35.29	+ 6 30.2	1.469	2.459	4.1	20.4
10 18	1 26.54	+ 5 57.6	1.462	2.457	1.6	20.2
10 28	1 17.99	+ 5 28.9	1.482	2.456	6.0	20.5
11 7	1 10.75	+ 5 9.6	1.528	2.455	10.4	20.7
11 17	1 5.63	+ 5 3.5	1.597	2.454	14.3	21.0

436917 2012 TG_{96} 10 16.9 118°.20 0°.6/17.4 18

9 8	1 57.87	+12 26.6	1.987	2.781	15.2	21.3
9 18	1 52.65	+12 21.2	1.915	2.797	12.0	21.1
9 28	1 45.21	+12 4.0	1.866	2.812	8.2	20.9
10 8	1 36.19	+11 36.8	1.842	2.827	4.1	20.7
10 18	1 26.45	+11 3.0	1.846	2.842	0.7	20.4
10 28	1 17.04	+10 27.5	1.880	2.856	4.6	20.7
11 7	1 8.90	+ 9 55.5	1.942	2.869	8.5	21.0
11 17	1 2.70	+ 9 31.3	2.029	2.882	11.9	21.3

83017 2001 QT_{170} 10 16.9 126°.27 1°.2/15.7 18

9 8	1 51.15	+ 8 59.6	1.986	2.804	14.3	19.6
9 18	1 47.51	+ 8 19.0	1.907	2.805	11.2	19.4
9 28	1 41.81	+ 7 27.1	1.850	2.806	7.5	19.2
10 8	1 34.60	+ 6 27.7	1.818	2.807	3.5	19.0
10 18	1 26.66	+ 5 26.2	1.814	2.809	1.5	18.8
10 28	1 18.91	+ 4 28.9	1.839	2.810	5.3	19.1
11 7	1 12.25	+ 3 41.6	1.891	2.811	9.2	19.3
11 17	1 7.35	+ 3 8.4	1.968	2.812	12.6	19.6

345255 2005 UR_{502} 10 16.9 338°.20 5°.3/13.4 18

9 8	1 51.52	+ 0 30.2	1.268	2.129	18.3	20.0
9 18	1 49.01	− 0 16.1	1.198	2.120	14.4	19.7
9 28	1 43.48	− 1 9.6	1.146	2.111	10.0	19.5
10 8	1 35.62	− 2 2.5	1.117	2.102	6.1	19.2
10 18	1 26.52	− 2 45.7	1.111	2.095	5.9	19.2
10 28	1 17.65	− 3 10.9	1.130	2.089	9.7	19.4
11 7	1 10.40	− 3 12.7	1.171	2.083	14.3	19.6
11 17	1 5.73	− 2 49.7	1.233	2.078	18.4	19.9

429138 2009 TY_{24} 10 16.9 34°.46 2°.2/15.7 18

9 8	1 57.08	+ 5 7.7	1.240	2.087	19.6	20.1
9 18	1 53.18	+ 5 4.2	1.183	2.097	15.3	19.8
9 28	1 46.14	+ 4 51.8	1.145	2.107	10.3	19.6
10 8	1 36.78	+ 4 35.1	1.128	2.119	4.9	19.3
10 18	1 26.39	+ 4 19.6	1.137	2.131	2.5	19.2
10 28	1 16.50	+ 4 11.3	1.171	2.144	7.3	19.5
11 7	1 8.50	+ 4 15.2	1.229	2.157	12.2	19.9
11 17	1 3.27	+ 4 33.7	1.308	2.171	16.5	20.2

183176 2002 SV_{43} 10 16.9 56°.53 0°.8/16.3 15

9 8	1 55.77	+10 57.8	1.236	2.073	20.2	19.9
9 18	1 51.94	+10 19.7	1.190	2.097	15.7	19.7
9 28	1 45.10	+ 9 24.6	1.162	2.122	10.5	19.5
10 8	1 36.18	+ 8 18.2	1.157	2.147	4.9	19.3
10 18	1 26.48	+ 7 8.6	1.177	2.173	1.3	19.1
10 28	1 17.46	+ 6 5.4	1.223	2.198	6.6	19.5
11 7	1 10.36	+ 5 16.4	1.293	2.224	11.5	19.9
11 17	1 5.92	+ 4 46.4	1.385	2.249	15.6	20.2

314637 2006 JK 10 16.9 121°.74 0°.6/17.2 17

9 8	2 0.36	+11 31.1	1.496	2.308	18.5	20.5
9 18	1 55.41	+11 34.7	1.426	2.318	14.6	20.3
9 28	1 47.52	+11 24.4	1.376	2.327	10.1	20.1
10 8	1 37.44	+11 2.4	1.349	2.336	5.0	19.8
10 18	1 26.30	+10 32.5	1.348	2.344	0.7	19.5
10 28	1 15.53	+10 0.6	1.375	2.353	5.7	19.9
11 7	1 6.44	+ 9 33.4	1.429	2.360	10.6	20.2
11 17	0 59.92	+ 9 16.2	1.506	2.368	14.7	20.5

255104 2005 UJ_{68} 10 16.9 11°.80 3°.5/14.1 18

9 8	1 51.62	+ 1 48.7	1.669	2.511	15.5	20.3
9 18	1 48.19	+ 1 17.4	1.602	2.514	12.1	20.1
9 28	1 42.42	+ 0 40.7	1.556	2.517	8.2	19.8
10 8	1 34.93	+ 0 3.8	1.534	2.521	4.6	19.6
10 18	1 26.63	− 0 27.3	1.538	2.525	4.0	19.6
10 28	1 18.61	− 0 47.0	1.569	2.530	7.3	19.8
11 7	1 11.89	− 0 51.3	1.626	2.536	11.1	20.1
11 17	1 7.20	− 0 38.6	1.705	2.542	14.5	20.3

323664 2005 EF_{44} 10 16.9 133°.85 0°.9/17.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 58.36	+13 53.3	1.748	2.545	16.8	21.9
9 18	1 53.40	+13 39.8	1.675	2.558	13.3	21.7
9 28	1 45.92	+13 11.2	1.623	2.569	9.2	21.5
10 8	1 36.60	+12 29.6	1.595	2.581	4.7	21.3
10 18	1 26.42	+11 39.1	1.595	2.591	0.9	21.0
10 28	1 16.59	+10 46.2	1.624	2.601	5.0	21.4
11 7	1 8.19	+ 9 57.7	1.680	2.610	9.4	21.6
11 17	1 2.00	+ 9 19.2	1.761	2.619	13.1	21.9

278993 2008 UD_{216} 10 16.9 35°.47 8°.6/10.0 18

9 8	1 51.66	− 7 10.2	1.383	2.243	17.1	19.7
9 18	1 48.54	− 8 44.7	1.337	2.252	13.7	19.5
9 28	1 42.75	−10 17.3	1.312	2.263	10.5	19.3
10 8	1 35.09	−11 37.0	1.310	2.274	8.7	19.3
10 18	1 26.63	−12 34.0	1.332	2.285	9.5	19.3
10 28	1 18.66	−13 1.5	1.378	2.298	12.1	19.5
11 7	1 12.28	−12 57.7	1.446	2.310	15.2	19.8
11 17	1 8.21	−12 24.9	1.533	2.323	18.1	20.0

330184 2006 DF_{56} 10 16.9 289°.20 0°.5/17.3 18

9 8	1 52.86	+11 33.7	2.307	3.104	13.2	20.7
9 18	1 48.65	+11 35.0	2.216	3.100	10.5	20.6
9 28	1 42.52	+11 26.8	2.148	3.096	7.2	20.3
10 8	1 34.95	+11 10.6	2.105	3.091	3.6	20.1
10 18	1 26.64	+10 48.9	2.091	3.087	0.6	19.9
10 28	1 18.42	+10 25.4	2.107	3.083	4.1	20.1
11 7	1 11.14	+10 4.3	2.151	3.079	7.7	20.4
11 17	1 5.45	+ 9 49.3	2.220	3.075	10.9	20.6

10008 Raisanyo 10 16.9 110°.65 0°.5/16.5 18

9 8	1 53.02	+10 8.1	1.955	2.766	14.7	17.9
9 18	1 49.02	+ 9 46.0	1.876	2.770	11.6	17.7
9 28	1 42.86	+ 9 12.5	1.819	2.773	7.8	17.5
10 8	1 35.12	+ 8 30.8	1.788	2.777	3.7	17.2
10 18	1 26.62	+ 7 45.1	1.784	2.780	0.8	17.0
10 28	1 18.33	+ 7 1.2	1.809	2.784	5.0	17.3
11 7	1 11.18	+ 6 24.4	1.862	2.787	8.9	17.6
11 17	1 5.88	+ 5 58.9	1.939	2.790	12.4	17.8

218121 2002 PB_{112} 10 16.9 297°.33 18°.3/30.1 18

9 8	2 3.73	+47 2.5	1.623	2.236	24.2	20.1
9 18	2 0.73	+49 39.8	1.531	2.218	23.0	19.9
9 28	1 53.17	+51 53.6	1.453	2.200	21.5	19.8
10 8	1 41.14	+53 31.9	1.388	2.182	20.1	19.6
10 18	1 25.73	+54 22.8	1.340	2.164	18.9	19.5
10 28	1 9.31	+54 18.8	1.310	2.147	18.4	19.4
11 7	0 54.79	+53 22.2	1.297	2.130	18.6	19.4
11 17	0 44.55	+51 43.9	1.302	2.113	19.7	19.4

126961 2002 FL_{15} 10 16.9 232°.62 5°.0/11.5 18

9 8	1 51.33	− 4 32.2	2.319	3.150	12.1	20.1
9 18	1 47.33	− 5 29.6	2.243	3.145	9.6	20.0
9 28	1 41.54	− 6 28.1	2.190	3.139	7.0	19.8
10 8	1 34.44	− 7 22.1	2.163	3.134	5.2	19.7
10 18	1 26.71	− 8 5.9	2.165	3.129	5.6	19.7
10 28	1 19.14	− 8 34.9	2.195	3.123	7.7	19.8
11 7	1 12.48	− 8 46.1	2.250	3.117	10.4	20.0
11 17	1 7.34	− 8 38.7	2.329	3.111	12.9	20.2

139265 2001 HV_{54} 10 16.9 186°.20 1°.5/15.5 18

9 8	1 54.76	+ 9 3.0	1.860	2.675	15.3	20.8
9 18	1 50.50	+ 8 12.1	1.779	2.675	11.9	20.6
9 28	1 43.94	+ 7 8.1	1.719	2.675	8.0	20.4
10 8	1 35.67	+ 5 55.6	1.684	2.673	3.8	20.1
10 18	1 26.55	+ 4 40.7	1.678	2.672	1.9	20.0
10 28	1 17.64	+ 3 31.1	1.701	2.670	5.9	20.3
11 7	1 9.95	+ 2 33.5	1.751	2.667	10.0	20.5
11 17	1 4.22	+ 1 52.5	1.825	2.663	13.7	20.7

20308 1998 FP_{109} 10 16.9 145°.67 4°.0/19.9 18 R

9 8	1 58.76	+20 6.4	1.650	2.428	18.4	18.0
9 18	1 54.16	+20 30.0	1.571	2.434	15.1	17.8
9 28	1 46.72	+20 34.7	1.510	2.439	11.3	17.5
10 8	1 37.11	+20 19.6	1.473	2.444	7.2	17.3
10 18	1 26.37	+19 45.8	1.461	2.448	4.2	17.1
10 28	1 15.86	+18 58.3	1.477	2.452	5.7	17.3
11 7	1 6.87	+18 5.0	1.519	2.455	9.6	17.5
11 17	1 0.33	+17 13.9	1.586	2.459	13.5	17.7

118576 2000 GK_{27} 10 16.9 105°.47 0°.6/16.4 17

9 8	1 56.93	+ 9 50.5	1.696	2.510	16.5	20.4
9 18	1 52.26	+ 9 29.0	1.629	2.524	12.9	20.2
9 28	1 45.12	+ 8 55.4	1.583	2.538	8.7	20.0
10 8	1 36.21	+ 8 13.2	1.562	2.551	4.1	19.8
10 18	1 26.50	+ 7 27.3	1.568	2.564	1.0	19.6
10 28	1 17.17	+ 6 44.1	1.603	2.577	5.5	19.9
11 7	1 9.27	+ 6 9.5	1.664	2.589	9.8	20.2
11 17	1 3.55	+ 5 47.7	1.750	2.601	13.5	20.5

199311 2006 BJ_{99} 10 16.9 101°.79 2°.3/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 55.01	+ 6 0.4	1.888	2.708	14.9	21.2
9 18	1 50.40	+ 5 11.9	1.827	2.727	11.5	21.0
9 28	1 43.66	+ 4 14.7	1.788	2.746	7.6	20.8
10 8	1 35.44	+ 3 13.8	1.776	2.764	3.8	20.6
10 18	1 26.61	+ 2 15.2	1.791	2.782	2.7	20.6
10 28	1 18.16	+ 1 25.2	1.836	2.800	6.1	20.8
11 7	1 10.99	+ 0 48.6	1.907	2.817	9.7	21.1
11 17	1 5.72	+ 0 28.2	2.003	2.834	12.9	21.3

349010 2006 UO_{275} 10 16.9 311°.34 0°.7/17.5 18

9 8	1 50.01	+14 18.5	1.880	2.687	15.4	21.3
9 18	1 46.91	+13 49.8	1.791	2.680	12.3	21.0
9 28	1 41.58	+13 5.1	1.724	2.673	8.5	20.8
10 8	1 34.59	+12 6.9	1.681	2.667	4.3	20.5
10 18	1 26.71	+10 59.7	1.665	2.661	0.7	20.3
10 28	1 18.97	+ 9 50.2	1.677	2.655	4.8	20.6
11 7	1 12.34	+ 8 45.7	1.716	2.649	9.0	20.8
11 17	1 7.57	+ 7 52.5	1.780	2.643	12.8	21.0

360010 2012 YB_{6} 10 16.9 243°.02 2°.1/18.7 18

9 8	1 53.29	+16 49.7	2.012	2.798	15.2	22.0
9 18	1 49.37	+16 47.8	1.920	2.793	12.3	21.8
9 28	1 43.22	+16 30.8	1.850	2.788	8.9	21.6
10 8	1 35.37	+15 59.5	1.804	2.783	5.0	21.3
10 18	1 26.61	+15 16.5	1.785	2.778	2.1	21.1
10 28	1 17.96	+14 26.6	1.795	2.772	4.5	21.3
11 7	1 10.41	+13 36.1	1.832	2.767	8.4	21.5
11 17	1 4.73	+12 51.1	1.895	2.761	12.0	21.7

113983 2002 UZ_{22} 10 16.9 322°.31 3°.0/14.9 18

9 8	1 50.69	+ 5 36.8	1.268	2.123	18.7	19.1
9 18	1 48.54	+ 5 2.5	1.187	2.106	14.7	18.8
9 28	1 43.33	+ 4 15.1	1.124	2.090	10.0	18.5
10 8	1 35.66	+ 3 20.3	1.083	2.074	5.0	18.2
10 18	1 26.57	+ 2 25.9	1.067	2.059	3.5	18.0
10 28	1 17.55	+ 1 41.4	1.074	2.044	8.3	18.3
11 7	1 10.07	+ 1 14.8	1.105	2.031	13.5	18.5
11 17	1 5.22	+ 1 10.5	1.156	2.019	18.2	18.8

119170 2001 QO_{48} 10 16.9 23°.41 0°.5/17.2 18

9 8	1 51.81	+11 46.4	1.108	1.957	21.2	19.5
9 18	1 49.45	+11 44.2	1.054	1.967	16.7	19.3
9 28	1 43.81	+11 23.8	1.017	1.978	11.5	19.0
10 8	1 35.75	+10 48.8	1.001	1.991	5.6	18.7
10 18	1 26.58	+10 5.2	1.008	2.004	0.7	18.4
10 28	1 17.93	+ 9 21.5	1.039	2.019	6.5	18.9
11 7	1 11.21	+ 8 46.5	1.093	2.035	11.9	19.3
11 17	1 7.34	+ 8 26.2	1.168	2.052	16.5	19.6

449339 2013 GP_{5} 10 16.9 141°.86 1°.3/15.7 18

9 8	1 53.56	+ 6 39.2	2.146	2.960	13.5	21.8
9 18	1 49.22	+ 6 21.4	2.066	2.962	10.6	21.6
9 28	1 42.90	+ 5 56.0	2.008	2.964	7.1	21.4
10 8	1 35.14	+ 5 26.2	1.977	2.966	3.4	21.2
10 18	1 26.66	+ 4 55.9	1.973	2.967	1.6	21.0
10 28	1 18.37	+ 4 29.5	1.999	2.969	5.1	21.3
11 7	1 11.11	+ 4 11.1	2.053	2.970	8.7	21.5
11 17	1 5.54	+ 4 3.8	2.132	2.972	11.9	21.7

137484 1999 UK_{34} 10 16.9 117°.15 0°.1/16.9 18

9 8	1 56.40	+12 38.5	1.643	2.452	17.2	20.9
9 18	1 51.98	+12 7.3	1.574	2.465	13.5	20.7
9 28	1 45.00	+11 20.4	1.526	2.478	9.2	20.5
10 8	1 36.19	+10 21.2	1.503	2.491	4.5	20.3
10 18	1 26.54	+ 9 15.4	1.506	2.503	0.5	20.0
10 28	1 17.27	+ 8 10.5	1.538	2.514	5.4	20.4
11 7	1 9.47	+ 7 14.2	1.597	2.525	9.9	20.7
11 17	1 3.92	+ 6 31.8	1.679	2.536	13.8	20.9

476823 2008 UU_{245} 10 16.9 320°.68 4°.7/14.1 18

9 8	1 59.40	− 2 29.0	1.610	2.444	16.4	20.7
9 18	1 54.53	− 2 39.1	1.532	2.438	13.0	20.4
9 28	1 46.90	− 2 49.5	1.476	2.431	9.1	20.2
10 8	1 37.19	− 2 55.0	1.443	2.426	5.6	20.0
10 18	1 26.40	− 2 50.4	1.438	2.420	5.1	19.9
10 28	1 15.84	− 2 31.4	1.459	2.415	8.3	20.1
11 7	1 6.74	− 1 56.0	1.507	2.410	12.3	20.3
11 17	1 0.00	− 1 4.3	1.577	2.405	15.9	20.6

157070 2003 SG_{307} 10 16.9 47°.92 6°.7/25.5 18

9 8	1 50.31	+34 14.3	2.182	2.874	16.8	18.9
9 18	1 47.01	+34 11.3	2.100	2.886	14.6	18.7
9 28	1 41.53	+33 43.4	2.036	2.898	12.1	18.6
10 8	1 34.50	+32 49.1	1.993	2.910	9.4	18.4
10 18	1 26.75	+31 29.3	1.974	2.922	7.3	18.3
10 28	1 19.31	+29 49.1	1.983	2.935	6.8	18.3
11 7	1 13.07	+27 56.3	2.020	2.948	8.2	18.4
11 17	1 8.72	+26 0.4	2.084	2.961	10.5	18.6

91637 1999 TJ_{81} 10 16.9 35°.07 0°.9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 48.62	+11 4.9	1.965	2.782	14.5	19.7
9 18	1 45.56	+10 9.9	1.890	2.787	11.3	19.5
9 28	1 40.50	+ 9 1.2	1.836	2.792	7.6	19.3
10 8	1 34.00	+ 7 43.1	1.808	2.798	3.5	19.1
10 18	1 26.82	+ 6 21.7	1.808	2.803	1.2	18.9
10 28	1 19.88	+ 5 4.2	1.837	2.809	5.2	19.2
11 7	1 14.01	+ 3 57.4	1.893	2.815	9.0	19.4
11 17	1 9.84	+ 3 6.0	1.974	2.821	12.4	19.7

379895 2012 HZ_{81} 10 16.9 95°.01 4°.5/13.8 18

9 8	1 58.16	+ 0 15.8	1.506	2.344	17.1	20.7
9 18	1 53.46	− 0 24.7	1.447	2.355	13.3	20.5
9 28	1 46.05	− 1 9.8	1.408	2.366	9.2	20.3
10 8	1 36.70	− 1 52.8	1.393	2.377	5.4	20.1
10 18	1 26.50	− 2 26.8	1.404	2.388	5.0	20.1
10 28	1 16.75	− 2 45.6	1.443	2.398	8.4	20.4
11 7	1 8.61	− 2 45.6	1.506	2.408	12.3	20.6
11 17	1 2.86	− 2 26.2	1.591	2.418	15.9	20.9

202977 1999 TU_{159} 10 16.9 339°.77 1°.0/17.7 18

9 8	1 47.91	+14 29.9	1.379	2.211	18.7	19.9
9 18	1 46.12	+14 11.6	1.297	2.199	15.0	19.6
9 28	1 41.53	+13 33.0	1.233	2.189	10.5	19.3
10 8	1 34.73	+12 36.4	1.192	2.179	5.4	19.0
10 18	1 26.72	+11 27.3	1.175	2.171	1.0	18.7
10 28	1 18.84	+10 14.3	1.183	2.163	5.8	19.0
11 7	1 12.41	+ 9 7.4	1.216	2.157	11.0	19.3
11 17	1 8.37	+ 8 14.8	1.271	2.151	15.6	19.5

221408 2005 YZ_{120} 10 16.9 160°.18 3°.8/21.0 18

9 8	1 52.35	+23 6.6	2.465	3.211	13.8	20.2
9 18	1 48.25	+23 17.5	2.374	3.212	11.5	20.0
9 28	1 42.25	+23 12.8	2.303	3.214	8.8	19.8
10 8	1 34.85	+22 52.4	2.257	3.216	6.0	19.7
10 18	1 26.72	+22 17.2	2.238	3.217	3.9	19.5
10 28	1 18.72	+21 30.7	2.248	3.218	4.5	19.6
11 7	1 11.65	+20 38.0	2.286	3.219	7.1	19.8
11 17	1 6.16	+19 44.7	2.352	3.220	9.8	19.9

511948 2015 HN_{185} 10 16.9 81°.33 2°.8/19.3 18

9 8	1 54.67	+19 10.5	1.611	2.403	18.2	21.5
9 18	1 50.80	+19 0.5	1.542	2.416	14.8	21.3
9 28	1 44.30	+18 29.8	1.493	2.430	10.7	21.1
10 8	1 35.89	+17 39.7	1.466	2.443	6.3	20.9
10 18	1 26.60	+16 34.2	1.465	2.457	2.9	20.7
10 28	1 17.69	+15 20.6	1.492	2.470	5.1	20.9
11 7	1 10.28	+14 7.8	1.545	2.484	9.3	21.1
11 17	1 5.17	+13 3.7	1.623	2.497	13.2	21.4

240170 2002 PY_{174} 10 16.9 149°.53 9°.3/ 6.8 18

9 8	1 53.15	−15 25.0	2.009	2.840	13.7	20.4
9 18	1 49.00	−17 6.1	1.959	2.844	11.6	20.2
9 28	1 42.77	−18 39.8	1.931	2.848	9.9	20.1
10 8	1 35.06	−19 57.3	1.929	2.852	9.4	20.1
10 18	1 26.71	−20 51.3	1.951	2.855	10.2	20.2
10 28	1 18.66	−21 17.1	1.999	2.858	12.0	20.3
11 7	1 11.78	−21 13.8	2.069	2.861	14.0	20.5
11 17	1 6.72	−20 43.4	2.158	2.864	16.0	20.6

155891 2001 FU_{87} 10 16.9 115°.20 0°.9/15.9 18

9 8	1 54.75	+ 6 42.4	2.679	3.477	11.6	20.3
9 18	1 49.63	+ 6 35.7	2.604	3.491	9.0	20.1
9 28	1 42.91	+ 6 23.5	2.554	3.505	6.0	19.9
10 8	1 35.06	+ 6 7.9	2.531	3.519	2.8	19.7
10 18	1 26.71	+ 5 51.5	2.538	3.532	1.1	19.6
10 28	1 18.58	+ 5 37.6	2.575	3.545	4.1	19.9
11 7	1 11.32	+ 5 28.9	2.642	3.558	7.1	20.1
11 17	1 5.47	+ 5 27.6	2.736	3.570	9.7	20.3

427441 2001 OU_{44} 10 16.9 42°.52 3°.6/19.0 18

9 8	1 58.69	+16 23.7	1.243	2.059	21.3	20.2
9 18	1 54.60	+17 5.3	1.188	2.076	17.2	20.0
9 28	1 47.21	+17 28.0	1.150	2.094	12.4	19.7
10 8	1 37.37	+17 31.1	1.134	2.113	7.3	19.5
10 18	1 26.42	+17 16.5	1.142	2.133	3.6	19.4
10 28	1 16.04	+16 49.8	1.175	2.153	6.2	19.6
11 7	1 7.65	+16 19.4	1.232	2.174	10.8	19.9
11 17	1 2.21	+15 53.0	1.312	2.195	15.1	20.2

98614 2000 WZ_{78} 10 16.9 247°.83 0°.9/17.7 18

9 8	1 55.23	+13 37.7	2.131	2.922	14.4	20.2
9 18	1 50.85	+13 28.4	2.026	2.905	11.5	20.0
9 28	1 44.26	+13 6.3	1.943	2.887	8.1	19.7
10 8	1 35.92	+12 32.7	1.885	2.869	4.2	19.4
10 18	1 26.59	+11 50.5	1.855	2.851	0.9	19.2
10 28	1 17.24	+11 4.3	1.855	2.832	4.5	19.4
11 7	1 8.87	+10 20.0	1.883	2.812	8.6	19.6
11 17	1 2.28	+ 9 43.0	1.937	2.792	12.3	19.8

65774 1995 OW_3 10 16.9 152.°66 0.°1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 52.03	+11 27.9	2.205	3.007	13.6	20.0
9 18	1 48.03	+11 4.1	2.122	3.009	10.7	19.8
9 28	1 42.10	+10 29.1	2.061	3.012	7.3	19.6
10 8	1 34.77	+ 9 45.5	2.027	3.014	3.5	19.4
10 18	1 26.75	+ 8 57.1	2.020	3.017	0.5	19.1
10 28	1 18.91	+ 8 9.1	2.043	3.019	4.4	19.4
11 7	1 12.07	+ 7 26.5	2.095	3.020	8.1	19.7
11 17	1 6.85	+ 6 53.6	2.172	3.022	11.3	19.9

485947 2012 HK_{45} 10 16.9 200.°26 1.°4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.99	+ 5 53.8	2.800	3.606	10.9	22.2
9 18	1 46.78	+ 5 27.3	2.711	3.603	8.5	22.0
9 28	1 41.04	+ 4 54.9	2.646	3.600	5.7	21.8
10 8	1 34.21	+ 4 19.3	2.609	3.597	2.7	21.7
10 18	1 26.83	+ 3 43.9	2.601	3.593	1.7	21.6
10 28	1 19.56	+ 3 12.3	2.623	3.589	4.3	21.8
11 7	1 13.03	+ 2 48.1	2.675	3.585	7.3	21.9
11 17	1 7.76	+ 2 33.4	2.753	3.580	9.9	22.1

324701 2007 EQ_{93} 10 16.9 25.°68 3.°2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.77	+ 4 48.9	1.961	2.796	13.8	20.2
9 18	1 44.86	+ 3 32.7	1.891	2.800	10.7	20.0
9 28	1 40.02	+ 2 7.1	1.844	2.805	7.1	19.8
10 8	1 33.79	+ 0 38.3	1.823	2.810	3.9	19.6
10 18	1 26.90	− 0 46.5	1.830	2.815	3.7	19.6
10 28	1 20.25	− 1 59.8	1.865	2.821	6.7	19.8
11 7	1 14.64	− 2 56.1	1.926	2.827	10.2	20.0
11 17	1 10.69	− 3 32.3	2.012	2.833	13.2	20.2

77039 2001 CK_{37} 10 16.9 299.°67 4.°5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.07	+ 3 32.9	1.397	2.247	17.6	19.4
9 18	1 49.17	+ 2 21.6	1.324	2.241	13.7	19.1
9 28	1 43.46	+ 0 58.3	1.271	2.235	9.4	18.9
10 8	1 35.62	− 0 29.0	1.242	2.229	5.3	18.6
10 18	1 26.66	− 1 50.5	1.238	2.223	5.1	18.6
10 28	1 17.94	− 2 56.0	1.260	2.218	9.1	18.8
11 7	1 10.72	− 3 38.2	1.305	2.212	13.5	19.1
11 17	1 5.89	− 3 53.9	1.372	2.207	17.5	19.3

72317 2001 BA_{45} 10 16.9 298.°78 5.°8/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.80	+ 0 6.6	1.360	2.215	17.7	18.8
9 18	1 50.09	− 0 56.1	1.273	2.192	14.0	18.5
9 28	1 44.38	− 2 8.1	1.206	2.168	9.9	18.2
10 8	1 36.20	− 3 21.5	1.162	2.145	6.4	18.0
10 18	1 26.58	− 4 26.0	1.142	2.122	6.6	17.9
10 28	1 16.93	− 5 11.4	1.147	2.099	10.4	18.1
11 7	1 8.72	− 5 30.7	1.174	2.077	15.1	18.3
11 17	1 3.04	− 5 21.4	1.222	2.055	19.4	18.5

266063 2006 QP_{147} 10 16.9 329.°69 2.°4/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 53.64	+14 5.8	1.226	2.058	20.6	20.9
9 18	1 51.15	+14 32.8	1.145	2.046	16.7	20.6
9 28	1 45.32	+14 42.9	1.082	2.035	12.0	20.3
10 8	1 36.72	+14 36.0	1.039	2.024	6.6	20.0
10 18	1 26.51	+14 14.2	1.019	2.014	2.4	19.7
10 28	1 16.34	+13 43.3	1.024	2.005	6.4	20.0
11 7	1 7.87	+13 11.8	1.052	1.996	12.0	20.2
11 17	1 2.32	+12 47.9	1.102	1.989	17.0	20.5

286448 2002 AA_{72} 10 16.9 224.°82 3.°2/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 56.86	+18 23.8	1.520	2.315	19.0	21.1
9 18	1 53.01	+18 31.4	1.434	2.310	15.5	20.9
9 28	1 46.18	+18 19.0	1.367	2.306	11.4	20.6
10 8	1 36.99	+17 46.3	1.323	2.300	6.8	20.3
10 18	1 26.49	+16 55.6	1.304	2.295	3.2	20.1
10 28	1 16.13	+15 53.3	1.311	2.289	5.7	20.2
11 7	1 7.30	+14 48.6	1.345	2.284	10.4	20.5
11 17	1 1.02	+13 50.3	1.402	2.277	14.8	20.7

196373 2003 FO_{127} 10 16.9 58.°44 0.°1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.48	+13 8.5	1.438	2.259	18.6	19.7
9 18	1 50.61	+12 30.2	1.387	2.285	14.6	19.5
9 28	1 44.09	+11 34.4	1.355	2.310	9.9	19.3
10 8	1 35.74	+10 25.8	1.347	2.336	4.7	19.1
10 18	1 26.68	+ 9 11.6	1.365	2.362	0.6	18.8
10 28	1 18.19	+ 8 0.4	1.410	2.387	5.6	19.3
11 7	1 11.36	+ 7 0.2	1.481	2.413	10.2	19.6
11 17	1 6.89	+ 6 16.5	1.576	2.439	14.1	19.9

281203 2007 GU_{21} 10 16.9 164.°17 0.°3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.90	+11 6.0	2.006	2.810	14.7	22.3
9 18	1 50.45	+10 35.1	1.925	2.814	11.6	22.1
9 28	1 43.84	+ 9 51.9	1.867	2.818	7.9	21.9
10 8	1 35.65	+ 8 59.3	1.833	2.822	3.7	21.6
10 18	1 26.69	+ 8 2.1	1.829	2.825	0.7	21.4
10 28	1 17.95	+ 7 6.3	1.853	2.827	4.9	21.7
11 7	1 10.36	+ 6 17.8	1.906	2.829	8.9	22.0
11 17	1 4.62	+ 5 41.2	1.983	2.831	12.4	22.2

4091 Lowe 10 16.9 124.°34 2.°4/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 53.31	+ 1 51.4	2.580	3.394	11.5	16.9
9 18	1 48.61	+ 1 28.8	2.506	3.403	8.9	16.8
9 28	1 42.28	+ 1 2.9	2.456	3.411	6.0	16.6
10 8	1 34.81	+ 0 37.0	2.434	3.419	3.3	16.4
10 18	1 26.81	+ 0 14.5	2.441	3.427	2.7	16.4
10 28	1 19.02	− 0 1.1	2.477	3.435	5.2	16.6
11 7	1 12.11	− 0 7.0	2.542	3.443	8.0	16.8
11 17	1 6.61	− 0 1.9	2.633	3.450	10.6	17.0

209199 2003 UP_{256} 10 16.9 351.°22 1.°5/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.00	+14 23.8	1.559	2.375	17.7	20.7
9 18	1 48.96	+14 23.7	1.479	2.372	14.2	20.4
9 28	1 43.26	+14 7.2	1.419	2.369	10.0	20.2
10 8	1 35.52	+13 35.8	1.381	2.366	5.3	19.9
10 18	1 26.71	+12 53.2	1.369	2.365	1.5	19.6
10 28	1 18.07	+12 5.8	1.384	2.363	5.3	19.9
11 7	1 10.81	+11 20.9	1.424	2.363	10.0	20.2
11 17	1 5.82	+10 45.1	1.488	2.362	14.1	20.4

114244 2002 WS_8 10 16.9 346.°50 6.°2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.82	+ 1 51.7	1.383	2.251	16.7	18.1
9 18	1 42.70	− 0 7.1	1.313	2.240	13.0	17.8
9 28	1 39.06	− 2 19.2	1.265	2.231	9.1	17.6
10 8	1 33.51	− 4 33.5	1.241	2.223	6.3	17.4
10 18	1 26.97	− 6 36.9	1.242	2.216	7.2	17.4
10 28	1 20.63	− 8 16.7	1.268	2.210	10.8	17.6
11 7	1 15.62	− 9 25.0	1.317	2.206	14.8	17.8
11 17	1 12.75	− 9 58.8	1.385	2.202	18.3	18.1

451339 2010 VB_{173} 10 16.9 239.°43 2.°0/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.93	+19 13.2	2.909	3.666	11.7	22.3
9 18	1 46.88	+18 57.0	2.797	3.650	9.5	22.1
9 28	1 41.23	+18 27.8	2.708	3.634	7.0	21.9
10 8	1 34.38	+17 46.4	2.644	3.618	4.2	21.7
10 18	1 26.87	+16 54.7	2.610	3.600	2.0	21.5
10 28	1 19.38	+15 56.4	2.607	3.583	3.5	21.6
11 7	1 12.60	+14 56.0	2.633	3.565	6.3	21.7
11 17	1 7.09	+13 58.5	2.687	3.546	9.1	21.9

260272 2004 SA_{58} 10 16.9 356.°66 2.°2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 43.79	+ 8 49.7	1.456	2.307	16.9	19.1
9 18	1 42.56	+ 7 48.2	1.383	2.301	13.2	18.9
9 28	1 38.90	+ 6 30.5	1.331	2.296	8.8	18.6
10 8	1 33.41	+ 5 2.7	1.301	2.293	4.2	18.4
10 18	1 26.99	+ 3 33.6	1.298	2.291	2.7	18.3
10 28	1 20.78	+ 2 13.0	1.320	2.290	7.0	18.5
11 7	1 15.86	+ 1 9.6	1.366	2.291	11.5	18.8
11 17	1 13.00	+ 0 28.4	1.434	2.294	15.5	19.0

284791 2008 YG_{78} 10 16.9 31.°57 4.°6/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.28	+ 2 19.1	1.392	2.247	17.3	20.0
9 18	1 47.49	+ 1 9.9	1.339	2.259	13.4	19.8
9 28	1 42.10	− 0 7.3	1.307	2.271	9.1	19.6
10 8	1 34.86	− 1 24.3	1.298	2.284	5.4	19.4
10 18	1 26.82	− 2 31.9	1.315	2.298	5.3	19.4
10 28	1 19.23	− 3 21.7	1.357	2.313	8.7	19.7
11 7	1 13.16	− 3 48.9	1.423	2.328	12.7	20.0
11 17	1 9.34	− 3 51.9	1.510	2.344	16.2	20.2

107660 2001 FH 10 16.9 115.°35 0.°7/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 55.22	+11 12.0	1.610	2.427	17.1	19.3
9 18	1 51.13	+10 29.6	1.542	2.438	13.4	19.1
9 28	1 44.49	+ 9 31.9	1.494	2.449	9.1	18.8
10 8	1 36.01	+ 8 23.1	1.470	2.459	4.3	18.6
10 18	1 26.68	+ 7 9.9	1.474	2.469	1.1	18.4
10 28	1 17.71	+ 6 0.4	1.505	2.479	5.8	18.7
11 7	1 10.20	+ 5 2.3	1.563	2.488	10.3	19.0
11 17	1 4.92	+ 4 20.7	1.645	2.497	14.2	19.3

411557 2011 CC_{70} 10 16.9 251.°30 3.°4/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.12	− 0 36.3	2.679	3.499	11.0	21.1
9 18	1 47.03	− 1 17.7	2.585	3.485	8.6	21.0
9 28	1 41.32	− 2 2.2	2.516	3.470	6.0	20.8
10 8	1 34.42	− 2 45.9	2.474	3.455	3.8	20.6
10 18	1 26.89	− 3 24.4	2.461	3.439	3.8	20.6
10 28	1 19.42	− 3 53.6	2.478	3.423	6.0	20.7
11 7	1 12.70	− 4 10.3	2.522	3.407	8.7	20.9
11 17	1 7.28	− 4 12.7	2.591	3.391	11.3	21.0

228504 2001 TG_{16} 10 16.9 347.°73 7.°5/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.77	− 3 20.9	1.147	2.020	19.0	19.3
9 18	1 47.92	− 4 21.0	1.083	2.010	15.1	19.0
9 28	1 42.91	− 5 24.5	1.039	2.002	11.0	18.8
10 8	1 35.47	− 6 21.3	1.015	1.995	7.9	18.6
10 18	1 26.76	− 7 0.8	1.014	1.989	8.3	18.6
10 28	1 18.35	− 7 14.2	1.035	1.984	11.8	18.8
11 7	1 11.67	− 6 57.5	1.078	1.981	16.0	19.0
11 17	1 7.69	− 6 11.8	1.139	1.979	20.0	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
157950 2000 CN_{40}			10 16.9 326°.01	7°.2/ 9.6 18		
	h m	° ′			°	m
9 8	1 46.94	− 5 26.9	1.735	2.590	14.4	18.9
9 18	1 44.74	− 6 56.1	1.653	2.567	11.6	18.6
9 28	1 40.29	− 8 29.1	1.592	2.545	8.8	18.4
10 8	1 34.10	− 9 56.9	1.556	2.523	7.3	18.3
10 18	1 26.94	−11 10.3	1.546	2.502	8.1	18.3
10 28	1 19.85	−12 1.0	1.560	2.482	10.8	18.4
11 7	1 13.84	−12 24.2	1.598	2.462	14.1	18.6
11 17	1 9.70	−12 18.8	1.656	2.443	17.1	18.7
21818 Yurkanin			10 16.9 282°.68	0°.7/17.6 18		
9 8	1 51.46	+13 8.7	2.209	3.007	13.7	19.0
9 18	1 47.71	+12 57.1	2.118	3.001	10.9	18.8
9 28	1 42.00	+12 33.7	2.048	2.995	7.6	18.6
10 8	1 34.82	+12 0.2	2.004	2.990	3.9	18.3
10 18	1 26.86	+11 19.7	1.988	2.984	0.7	18.1
10 28	1 19.01	+10 37.0	2.001	2.978	4.2	18.4
11 7	1 12.11	+ 9 57.1	2.042	2.973	7.9	18.6
11 17	1 6.84	+ 9 24.6	2.109	2.967	11.3	18.8
274873 2009 RT_{70}			10 16.9 356°.68	0°.9/16.1 18		
9 8	1 49.88	+ 8 34.3	1.798	2.625	15.2	20.3
9 18	1 46.84	+ 8 15.7	1.719	2.622	11.9	20.1
9 28	1 41.58	+ 7 46.5	1.662	2.620	8.0	19.9
10 8	1 34.65	+ 7 10.0	1.629	2.619	3.8	19.6
10 18	1 26.89	+ 6 30.9	1.622	2.618	1.3	19.4
10 28	1 19.30	+ 5 54.9	1.643	2.617	5.4	19.7
11 7	1 12.86	+ 5 27.4	1.691	2.618	9.5	20.0
11 17	1 8.30	+ 5 12.4	1.762	2.619	13.2	20.2
62112 2000 RM_{99}			10 16.9 316°.22	6°.3/22.9 18 R		
9 8	1 50.67	+28 1.7	1.925	2.666	17.3	18.2
9 18	1 47.80	+28 25.7	1.825	2.653	14.9	18.0
9 28	1 42.48	+28 27.8	1.744	2.640	12.0	17.7
10 8	1 35.20	+28 5.7	1.684	2.628	9.0	17.5
10 18	1 26.81	+27 18.8	1.649	2.615	6.7	17.4
10 28	1 18.44	+26 10.8	1.640	2.603	6.7	17.4
11 7	1 11.22	+24 49.1	1.657	2.592	9.1	17.5
11 17	1 6.06	+23 22.7	1.699	2.581	12.3	17.6
286505 2002 CQ_{9}			10 16.9 205°.12	8°.0/12.1 17		
9 8	2 7.48	−11 20.5	1.769	2.582	16.0	21.3
9 18	2 0.60	−11 54.7	1.694	2.578	13.1	21.1
9 28	1 50.92	−12 22.7	1.639	2.572	10.2	20.9
10 8	1 39.14	−12 36.8	1.611	2.567	8.2	20.8
10 18	1 26.34	−12 30.5	1.609	2.560	8.4	20.8
10 28	1 13.88	−11 59.9	1.636	2.553	10.8	20.9
11 7	1 2.98	−11 5.0	1.689	2.545	13.8	21.1
11 17	0 54.54	− 9 48.8	1.764	2.536	16.8	21.2
103032 1999 XJ_{116}			10 16.9 295°.12	2°.7/15.2 18		
9 8	1 58.50	+ 2 17.0	1.750	2.574	15.7	18.9
9 18	1 53.70	+ 2 14.9	1.665	2.567	12.3	18.7
9 28	1 46.33	+ 2 8.7	1.603	2.560	8.4	18.4
10 8	1 36.99	+ 2 2.0	1.565	2.552	4.4	18.2
10 18	1 26.60	+ 1 59.0	1.554	2.545	3.0	18.1
10 28	1 16.36	+ 2 3.8	1.572	2.538	6.7	18.3
11 7	1 7.42	+ 2 19.8	1.617	2.531	10.8	18.5
11 17	1 0.64	+ 2 48.5	1.685	2.525	14.5	18.8
105703 2000 SV_{68}			10 16.9 40°.59	0°.3/16.6 18		
9 8	1 51.10	+11 0.4	1.839	2.656	15.3	19.5
9 18	1 47.65	+10 33.1	1.767	2.664	12.0	19.3
9 28	1 42.02	+ 9 53.2	1.717	2.672	8.1	19.1
10 8	1 34.82	+ 9 3.9	1.692	2.681	3.9	18.8
10 18	1 26.88	+ 8 10.2	1.694	2.690	0.7	18.6
10 28	1 19.21	+ 7 18.4	1.723	2.699	5.0	19.0
11 7	1 12.72	+ 6 34.5	1.780	2.708	9.1	19.2
11 17	1 8.11	+ 6 2.9	1.861	2.718	12.6	19.5
70792 1999 VK_{50}			10 16.9 246°.98	0°.1/16.9 18		
9 8	1 54.49	+10 54.6	1.972	2.778	14.8	19.8
9 18	1 50.35	+10 43.0	1.880	2.770	11.8	19.6
9 28	1 43.95	+10 19.9	1.810	2.761	8.1	19.4
10 8	1 35.82	+ 9 47.5	1.764	2.752	3.9	19.1
10 18	1 26.75	+ 9 9.4	1.747	2.743	0.5	18.8
10 28	1 17.77	+ 8 30.8	1.758	2.734	4.9	19.1
11 7	1 9.88	+ 7 57.2	1.797	2.724	9.0	19.4
11 17	1 3.86	+ 7 33.2	1.861	2.715	12.7	19.6
57788 2001 VE_{88}			10 16.9 193°.71	3°.8/13.9 18		
9 8	1 55.03	+ 1 58.4	1.711	2.545	15.6	19.2
9 18	1 50.91	+ 1 12.0	1.637	2.544	12.2	19.0
9 28	1 44.36	+ 0 18.8	1.585	2.543	8.3	18.8
10 8	1 36.00	− 0 35.2	1.557	2.543	4.7	18.6
10 18	1 26.74	− 1 23.3	1.557	2.542	4.3	18.6
10 28	1 17.73	− 1 58.9	1.583	2.540	7.6	18.8
11 7	1 10.03	− 2 17.3	1.636	2.539	11.5	19.0
11 17	1 4.42	− 2 16.4	1.711	2.537	15.0	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
107931 2001 FV_{108}			10 16.9 68°.54	1°.7/18.1 17		
	h m	° ′			°	m
9 8	1 58.84	+14 9.5	1.396	2.209	19.5	19.1
9 18	1 54.37	+14 20.2	1.336	2.225	15.6	18.9
9 28	1 46.90	+14 14.2	1.294	2.242	10.9	18.7
10 8	1 37.24	+13 52.8	1.275	2.259	5.8	18.5
10 18	1 26.61	+13 19.8	1.282	2.277	1.7	18.2
10 28	1 16.46	+12 41.6	1.315	2.294	5.6	18.5
11 7	1 8.10	+12 5.8	1.374	2.311	10.4	18.9
11 17	1 2.39	+11 38.7	1.456	2.328	14.5	19.2
259137 2002 XT_{68}			10 16.9 34°.85	15°.6/31.7 17		
9 8	1 53.32	+43 26.0	1.080	1.791	29.7	19.8
9 18	1 52.39	+44 37.3	1.016	1.795	27.2	19.6
9 28	1 46.93	+45 3.6	0.961	1.798	24.2	19.4
10 8	1 37.73	+44 33.5	0.918	1.803	20.8	19.2
10 18	1 26.52	+42 59.4	0.890	1.807	17.7	19.1
10 28	1 15.80	+40 24.0	0.881	1.812	15.8	19.0
11 7	1 7.84	+37 4.1	0.893	1.817	16.1	19.0
11 17	1 3.98	+33 24.4	0.925	1.823	18.4	19.2
428546 2008 CG_{37}			10 16.9 268°.37	6°.4/21.4 18		
9 8	1 57.81	+24 7.9	1.527	2.296	20.0	21.0
9 18	1 53.96	+24 55.3	1.444	2.294	16.9	20.8
9 28	1 46.98	+25 21.4	1.378	2.292	13.2	20.6
10 8	1 37.48	+25 22.5	1.333	2.290	9.4	20.3
10 18	1 26.55	+24 57.7	1.313	2.288	6.6	20.2
10 28	1 15.73	+24 10.8	1.318	2.287	7.3	20.2
11 7	1 6.51	+23 10.1	1.348	2.285	10.6	20.4
11 17	0 59.98	+22 5.9	1.402	2.283	14.4	20.6
43733 1979 MV_{7}			10 16.9 108°.97	0°.4/17.4 18		
9 8	1 50.45	+13 25.2	2.554	3.344	12.3	20.3
9 18	1 46.50	+12 57.9	2.476	3.356	9.7	20.1
9 28	1 40.93	+12 19.7	2.421	3.367	6.6	20.0
10 8	1 34.22	+11 32.8	2.392	3.378	3.3	19.8
10 18	1 26.98	+10 40.7	2.392	3.388	0.5	19.5
10 28	1 19.94	+ 9 47.9	2.422	3.399	3.7	19.8
11 7	1 13.77	+ 8 59.1	2.482	3.409	6.9	20.0
11 17	1 8.98	+ 8 18.1	2.568	3.419	9.7	20.3
421622 2014 OV_{291}			10 16.9 265°.61	1°.6/15.5 18		
9 8	1 53.56	+ 5 16.7	2.266	3.080	12.9	20.8
9 18	1 49.21	+ 5 3.4	2.180	3.076	10.1	20.6
9 28	1 42.94	+ 4 44.0	2.117	3.072	6.8	20.4
10 8	1 35.26	+ 4 21.5	2.080	3.069	3.3	20.1
10 18	1 26.86	+ 3 59.4	2.072	3.065	1.9	20.0
10 28	1 18.59	+ 3 41.8	2.093	3.061	5.1	20.3
11 7	1 11.27	+ 3 32.2	2.142	3.057	8.5	20.5
11 17	1 5.54	+ 3 33.0	2.216	3.053	11.6	20.7
397650 2007 YK_{5}			10 16.9 13°.67	3°.7/14.4 18		
9 8	1 53.76	+ 1 44.5	1.522	2.366	16.7	20.6
9 18	1 50.16	+ 1 19.4	1.456	2.369	13.0	20.4
9 28	1 43.96	+ 0 48.9	1.411	2.372	8.9	20.1
10 8	1 35.84	+ 0 18.3	1.389	2.376	4.9	19.9
10 18	1 26.80	− 0 6.2	1.392	2.380	4.1	19.9
10 28	1 18.08	− 0 18.8	1.423	2.385	7.6	20.1
11 7	1 10.81	− 0 15.7	1.478	2.391	11.7	20.4
11 17	1 5.79	+ 0 4.5	1.555	2.398	15.4	20.6
489092 2006 BE_{67}			10 16.9 346°.91	0°.5/16.6 18		
9 8	1 49.78	+ 9 53.9	1.219	2.069	19.6	20.9
9 18	1 47.92	+ 9 47.1	1.145	2.060	15.5	20.6
9 28	1 42.97	+ 9 24.7	1.089	2.051	10.7	20.3
10 8	1 35.57	+ 8 50.1	1.054	2.044	5.1	20.0
10 18	1 26.83	+ 8 8.9	1.042	2.038	0.9	19.7
10 28	1 18.26	+ 7 29.3	1.055	2.033	6.7	20.1
11 7	1 11.32	+ 6 59.5	1.091	2.030	12.2	20.4
11 17	1 7.05	+ 6 45.3	1.147	2.028	17.0	20.6
507394 2012 HA_{40}			10 16.9 111°.75	12°.6/ 8.2 17		
9 8	2 7.07	−25 12.0	1.803	2.594	16.6	21.3
9 18	1 59.82	−26 26.2	1.773	2.615	14.6	21.3
9 28	1 50.00	−27 21.9	1.764	2.636	13.1	21.2
10 8	1 38.51	−27 49.9	1.777	2.656	12.6	21.2
10 18	1 26.53	−27 44.5	1.814	2.675	13.1	21.3
10 28	1 15.36	−27 4.5	1.875	2.694	14.4	21.4
11 7	1 6.02	−25 53.2	1.957	2.712	16.0	21.6
11 17	0 59.16	−24 16.5	2.058	2.729	17.6	21.8
122076 2000 HV_{25}			10 16.9 50°.63	0°.9/16.3 18		
9 8	1 56.46	+ 9 5.9	1.308	2.144	19.3	19.2
9 18	1 52.47	+ 8 48.3	1.258	2.164	15.1	19.0
9 28	1 45.55	+ 8 17.3	1.226	2.186	10.1	18.8
10 8	1 36.57	+ 7 37.4	1.217	2.207	4.7	18.6
10 18	1 26.76	+ 6 54.7	1.234	2.229	1.3	18.4
10 28	1 17.54	+ 6 16.7	1.276	2.252	6.4	18.8
11 7	1 10.13	+ 5 50.0	1.344	2.274	11.2	19.1
11 17	1 5.31	+ 5 38.3	1.433	2.297	15.2	19.4

312967 1998 QW_{28} 10 16.9 66°.04 1°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 51.20	+16 4.6	2.107	2.897	14.5	20.7
9 18	1 47.45	+15 42.7	2.035	2.912	11.6	20.6
9 28	1 41.75	+15 6.3	1.985	2.927	8.1	20.4
10 8	1 34.68	+14 17.4	1.960	2.943	4.4	20.2
10 18	1 26.99	+13 20.1	1.963	2.958	1.3	20.0
10 28	1 19.57	+12 19.6	1.995	2.973	4.1	20.2
11 7	1 13.23	+11 22.2	2.055	2.989	7.7	20.5
11 17	1 8.58	+10 33.0	2.141	3.004	10.9	20.7

333170 2012 CX_{46} 10 16.9 118°.24 8°.3/27.6 18

9 8	2 0.68	+39 37.2	2.830	3.440	14.8	21.4
9 18	1 54.99	+40 43.3	2.745	3.454	13.3	21.3
9 28	1 47.03	+41 30.6	2.679	3.468	11.6	21.2
10 8	1 37.32	+41 55.4	2.633	3.481	10.0	21.1
10 18	1 26.66	+41 55.5	2.612	3.495	8.8	21.0
10 28	1 16.09	+41 31.4	2.617	3.508	8.3	21.0
11 7	1 6.60	+40 47.0	2.648	3.520	8.8	21.0
11 17	0 58.99	+39 48.6	2.705	3.533	10.0	21.1

321302 2009 FQ_{67} 10 16.9 100°.82 2°.0/15.4 13 C

9 8	1 57.10	+ 8 4.3	1.485	2.312	17.8	22.2
9 18	1 52.71	+ 7 14.7	1.425	2.329	13.9	22.0
9 28	1 45.61	+ 6 12.1	1.386	2.345	9.3	21.8
10 8	1 36.60	+ 5 2.3	1.372	2.361	4.4	21.5
10 18	1 26.77	+ 3 52.7	1.384	2.377	2.5	21.5
10 28	1 17.43	+ 2 52.0	1.423	2.392	6.8	21.8
11 7	1 9.70	+ 2 6.8	1.488	2.407	11.2	22.1
11 17	1 4.37	+ 1 40.9	1.576	2.421	15.1	22.3

223902 2004 VX_{35} 10 16.9 355°.73 0°.9/17.8 17

9 8	1 49.15	+13 58.3	1.807	2.620	15.7	20.3
9 18	1 46.36	+13 44.4	1.725	2.617	12.5	20.1
9 28	1 41.32	+13 15.6	1.664	2.614	8.7	19.9
10 8	1 34.59	+12 34.0	1.626	2.612	4.5	19.6
10 18	1 27.00	+11 43.7	1.615	2.611	0.9	19.4
10 28	1 19.57	+10 50.6	1.632	2.610	4.7	19.7
11 7	1 13.29	+10 1.4	1.675	2.611	8.9	19.9
11 17	1 8.89	+ 9 21.9	1.742	2.611	12.7	20.1

155355 2007 DU_{2} 10 16.9 159°.29 0°.7/16.3 17

9 8	1 56.46	+ 9 38.3	1.946	2.752	15.0	21.4
9 18	1 51.75	+ 9 12.8	1.867	2.758	11.8	21.2
9 28	1 44.80	+ 8 36.1	1.811	2.763	8.0	21.0
10 8	1 36.21	+ 7 51.5	1.779	2.768	3.8	20.7
10 18	1 26.82	+ 7 3.4	1.776	2.772	1.0	20.5
10 28	1 17.66	+ 6 17.7	1.803	2.776	5.2	20.8
11 7	1 9.71	+ 5 39.9	1.857	2.779	9.2	21.1
11 17	1 3.69	+ 5 14.1	1.936	2.781	12.7	21.3

504027 2005 SV_{248} 10 16.9 28°.71 0°.6/17.3 17

9 8	1 53.39	+12 6.1	0.884	1.747	24.1	22.0
9 18	1 51.43	+12 7.3	0.837	1.758	19.1	21.7
9 28	1 45.59	+11 47.0	0.805	1.769	13.2	21.4
10 8	1 36.83	+11 8.8	0.792	1.782	6.5	21.1
10 18	1 26.75	+10 19.8	0.800	1.796	0.8	20.8
10 28	1 17.35	+ 9 30.7	0.830	1.811	7.3	21.3
11 7	1 10.33	+ 8 52.0	0.881	1.828	13.3	21.7
11 17	1 6.66	+ 8 30.9	0.952	1.845	18.5	22.1

100364 1995 UF_{22} 10 16.9 34°.84 0°.2/17.1 18

9 8	1 55.20	+10 54.5	1.074	1.922	21.8	18.8
9 18	1 52.13	+10 55.3	1.026	1.939	17.1	18.6
9 28	1 45.66	+10 39.0	0.995	1.956	11.7	18.4
10 8	1 36.74	+10 9.3	0.985	1.975	5.7	18.1
10 18	1 26.77	+ 9 32.2	0.999	1.995	0.6	17.8
10 28	1 17.46	+ 8 56.1	1.036	2.016	6.6	18.3
11 7	1 10.25	+ 8 29.0	1.097	2.037	12.0	18.7
11 17	1 6.00	+ 8 16.2	1.178	2.059	16.6	19.0

200104 1995 SD 10 16.9 21°.96 1°.4/16.0 18

9 8	1 53.56	+ 7 16.3	1.315	2.160	18.8	19.1
9 18	1 50.40	+ 7 7.0	1.255	2.167	14.7	18.9
9 28	1 44.32	+ 6 46.5	1.213	2.175	9.9	18.6
10 8	1 36.09	+ 6 18.8	1.194	2.184	4.7	18.4
10 18	1 26.84	+ 5 49.7	1.199	2.194	1.8	18.2
10 28	1 18.00	+ 5 26.0	1.230	2.205	6.7	18.6
11 7	1 10.84	+ 5 13.4	1.285	2.217	11.5	18.9
11 17	1 6.20	+ 5 15.4	1.362	2.229	15.7	19.2

405297 2003 TM_{54} 10 16.9 331°.90 2°.3/15.5 17

9 8	1 58.60	+ 1 29.6	1.964	2.783	14.4	20.8
9 18	1 53.55	+ 1 45.9	1.874	2.772	11.4	20.6
9 28	1 46.14	+ 2 0.4	1.806	2.762	7.8	20.3
10 8	1 36.93	+ 2 15.8	1.765	2.752	4.0	20.1
10 18	1 26.74	+ 2 34.9	1.751	2.742	2.6	20.0
10 28	1 16.64	+ 3 0.5	1.767	2.734	6.0	20.2
11 7	1 7.67	+ 3 34.5	1.810	2.725	9.8	20.4
11 17	1 0.66	+ 4 17.9	1.879	2.718	13.3	20.6

134837 2000 JF_{7} 10 16.9 253°.47 16°.1/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	2 12.37	−23 54.2	1.224	2.039	21.6	19.3
9 18	2 5.82	−25 3.9	1.166	2.030	19.2	19.1
9 28	1 55.17	−25 52.9	1.125	2.022	17.1	19.0
10 8	1 41.41	−26 6.2	1.104	2.012	16.1	18.9
10 18	1 26.21	−25 32.3	1.104	2.003	16.6	18.9
10 28	1 11.69	−24 7.5	1.126	1.993	18.6	19.0
11 7	0 59.70	−21 57.5	1.168	1.983	21.3	19.2
11 17	0 51.35	−19 13.5	1.227	1.973	24.1	19.3

300698 2007 VZ_{65} 10 16.9 18°.32 0°.9/17.6 18

9 8	1 54.49	+12 43.0	1.793	2.600	16.1	21.0
9 18	1 50.53	+12 43.4	1.712	2.601	12.8	20.8
9 28	1 44.16	+12 30.8	1.653	2.602	8.9	20.6
10 8	1 35.98	+12 7.0	1.617	2.603	4.6	20.3
10 18	1 26.87	+11 35.1	1.608	2.604	0.9	20.1
10 28	1 17.95	+11 0.3	1.627	2.605	4.9	20.4
11 7	1 10.27	+10 28.5	1.674	2.607	9.1	20.6
11 17	1 4.64	+10 4.8	1.744	2.609	12.9	20.8

278177 2007 DF_{86} 10 16.9 256°.57 0°.1/17.0 18

9 8	1 54.07	+12 19.6	1.745	2.555	16.3	21.6
9 18	1 50.43	+11 54.5	1.651	2.543	13.0	21.4
9 28	1 44.25	+11 13.9	1.578	2.530	9.0	21.1
10 8	1 36.10	+10 20.5	1.529	2.517	4.4	20.8
10 18	1 26.85	+ 9 18.8	1.507	2.504	0.5	20.5
10 28	1 17.66	+ 8 15.9	1.514	2.490	5.4	20.8
11 7	1 9.67	+ 7 19.5	1.546	2.476	10.1	21.1
11 17	1 3.78	+ 6 35.8	1.603	2.462	14.2	21.3

338501 2003 OW_{24} 10 16.9 114°.23 6°.7/23.2 18

9 8	1 56.07	+28 45.5	1.877	2.607	18.1	20.6
9 18	1 51.99	+29 18.2	1.794	2.612	15.5	20.4
9 28	1 45.28	+29 28.4	1.729	2.618	12.5	20.2
10 8	1 36.57	+29 13.6	1.686	2.624	9.4	20.1
10 18	1 26.80	+28 33.3	1.667	2.629	7.1	19.9
10 28	1 17.24	+27 31.4	1.675	2.635	7.0	19.9
11 7	1 9.05	+26 15.6	1.710	2.640	9.2	20.1
11 17	1 3.11	+24 55.0	1.770	2.645	12.2	20.3

223499 2004 BS_{93} 10 16.9 135°.04 0°.3/17.3 18

9 8	1 54.74	+15 16.9	1.868	2.663	16.0	20.5
9 18	1 50.46	+14 21.0	1.793	2.675	12.6	20.4
9 28	1 43.93	+13 7.2	1.740	2.687	8.7	20.1
10 8	1 35.79	+11 39.3	1.712	2.698	4.3	19.9
10 18	1 26.92	+10 3.5	1.712	2.708	0.5	19.6
10 28	1 18.37	+ 8 28.1	1.742	2.718	4.9	20.0
11 7	1 11.11	+ 7 1.4	1.801	2.728	9.1	20.3
11 17	1 5.82	+ 5 49.9	1.884	2.736	12.7	20.5

314588 2006 AW_{12} 10 16.9 129°.19 4°.7/12.0 18

9 8	1 51.85	− 4 0.8	2.365	3.193	12.0	20.4
9 18	1 47.71	− 4 51.2	2.296	3.197	9.4	20.3
9 28	1 41.83	− 5 42.4	2.251	3.201	6.8	20.1
10 8	1 34.74	− 6 29.0	2.232	3.205	4.9	20.0
10 18	1 27.07	− 7 6.2	2.241	3.208	5.1	20.0
10 28	1 19.61	− 7 29.6	2.279	3.212	7.3	20.2
11 7	1 13.09	− 7 36.8	2.344	3.215	9.8	20.3
11 17	1 8.04	− 7 27.0	2.432	3.219	12.3	20.5

113197 2002 RJ_{110} 10 16.9 334°.15 1°.2/18.1 18

9 8	1 49.48	+16 2.4	1.681	2.490	16.9	19.5
9 18	1 46.86	+15 34.1	1.595	2.484	13.5	19.3
9 28	1 41.82	+14 46.5	1.530	2.478	9.5	19.0
10 8	1 34.92	+13 42.1	1.487	2.472	5.1	18.8
10 18	1 27.04	+12 25.6	1.471	2.467	1.2	18.5
10 28	1 19.31	+11 4.9	1.483	2.462	5.0	18.7
11 7	1 12.82	+ 9 48.8	1.521	2.458	9.6	19.0
11 17	1 8.38	+ 8 44.8	1.582	2.454	13.6	19.2

26318 1998 UC_{20} 10 16.9 42°.83 1°.2/16.2 18

9 8	1 56.50	+ 8 27.0	1.159	2.005	20.7	18.3
9 18	1 52.83	+ 8 13.0	1.113	2.025	16.1	18.0
9 28	1 45.96	+ 7 45.2	1.085	2.047	10.8	17.8
10 8	1 36.85	+ 7 8.7	1.078	2.069	5.1	17.6
10 18	1 26.83	+ 6 30.0	1.096	2.092	1.6	17.4
10 28	1 17.50	+ 5 57.0	1.139	2.115	6.9	17.8
11 7	1 10.17	+ 5 36.4	1.206	2.139	11.9	18.2
11 17	1 5.64	+ 5 31.9	1.294	2.163	16.2	18.5

134142 2005 AX_{38} 10 16.9 101°.63 8°.2/ 9.4 18

9 8	1 54.70	−11 11.1	1.890	2.725	14.3	20.2
9 18	1 50.27	−12 34.2	1.841	2.737	11.7	20.0
9 28	1 43.70	−13 52.2	1.815	2.749	9.3	19.9
10 8	1 35.65	−14 56.8	1.814	2.761	8.2	19.9
10 18	1 26.98	−15 41.1	1.839	2.773	8.8	19.9
10 28	1 18.69	−16 0.2	1.890	2.784	10.8	20.1
11 7	1 11.68	−15 53.3	1.964	2.795	13.2	20.3
11 17	1 6.56	−15 21.9	2.059	2.806	15.5	20.5

318628 2005 JB_{177} 10 16.9 146°.25 0°.2/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 57.69	+12 4.0	1.774	2.577	16.4	21.9
9 18	1 52.95	+11 43.4	1.698	2.586	12.9	21.7
9 28	1 45.75	+11 8.9	1.644	2.594	8.9	21.4
10 8	1 36.73	+10 23.3	1.614	2.601	4.3	21.2
10 18	1 26.84	+ 9 31.2	1.612	2.608	0.5	20.9
10 28	1 17.24	+ 8 39.0	1.638	2.614	5.2	21.3
11 7	1 9.00	+ 7 53.2	1.692	2.620	9.5	21.6
11 17	1 2.90	+ 7 19.0	1.771	2.625	13.3	21.8

328846 2009 WD_{94} 10 16.9 286°.32 1°.2/15.8 18

9 8	1 50.70	+ 7 46.2	2.287	3.101	12.8	21.2
9 18	1 47.09	+ 7 19.5	2.191	3.087	10.0	21.0
9 28	1 41.62	+ 6 43.8	2.118	3.074	6.8	20.8
10 8	1 34.73	+ 6 2.4	2.071	3.060	3.2	20.5
10 18	1 27.08	+ 5 19.1	2.053	3.047	1.5	20.4
10 28	1 19.48	+ 4 38.9	2.063	3.034	4.9	20.6
11 7	1 12.76	+ 4 6.5	2.101	3.020	8.4	20.8
11 17	1 7.55	+ 3 45.3	2.165	3.007	11.7	21.0

390687 2002 VJ_{1} 10 16.9 21°.23 2°.8/14.9 18

9 8	1 54.71	+ 3 14.8	1.660	2.494	16.0	20.6
9 18	1 50.74	+ 2 56.0	1.590	2.497	12.4	20.3
9 28	1 44.30	+ 2 30.9	1.541	2.501	8.4	20.1
10 8	1 36.05	+ 2 4.2	1.517	2.505	4.3	19.9
10 18	1 26.93	+ 1 41.1	1.519	2.509	3.2	19.8
10 28	1 18.09	+ 1 26.8	1.548	2.514	6.8	20.1
11 7	1 10.60	+ 1 25.4	1.604	2.520	10.8	20.3
11 17	1 5.24	+ 1 38.9	1.682	2.525	14.4	20.6

169797 2002 PU_{180} 10 16.9 58°.74 0°.7/17.6 11 C

9 8	1 54.46	+15 10.1	1.585	2.392	17.8	21.7
9 18	1 50.40	+14 30.9	1.534	2.423	14.0	21.5
9 28	1 43.90	+13 33.9	1.504	2.453	9.6	21.4
10 8	1 35.75	+12 23.1	1.497	2.483	4.8	21.2
10 18	1 26.98	+11 5.1	1.517	2.513	0.8	20.9
10 28	1 18.77	+ 9 48.0	1.566	2.544	5.0	21.3
11 7	1 12.09	+ 8 39.8	1.641	2.574	9.3	21.6
11 17	1 7.59	+ 7 46.2	1.740	2.604	13.0	21.9

492727 2014 QM_{115} 10 16.9 1°.02 4°.4/20.8 17

9 8	1 52.77	+21 38.6	1.961	2.730	16.2	20.9
9 18	1 49.20	+22 10.9	1.875	2.729	13.4	20.7
9 28	1 43.30	+22 26.7	1.809	2.729	10.3	20.5
10 8	1 35.62	+22 24.8	1.765	2.729	6.9	20.3
10 18	1 26.98	+22 5.9	1.748	2.729	4.6	20.2
10 28	1 18.45	+21 33.2	1.758	2.730	5.4	20.2
11 7	1 11.05	+20 52.5	1.795	2.732	8.4	20.4
11 17	1 5.61	+20 10.4	1.857	2.734	11.6	20.6

363689 2004 TY_{157} 10 16.9 58°.69 0°.8/16.4 18

9 8	1 58.02	+ 6 45.9	2.004	2.812	14.6	20.6
9 18	1 52.76	+ 6 55.5	1.939	2.831	11.3	20.4
9 28	1 45.35	+ 6 58.5	1.897	2.850	7.6	20.2
10 8	1 36.45	+ 6 57.1	1.880	2.869	3.6	20.0
10 18	1 26.90	+ 6 54.1	1.892	2.888	1.0	19.8
10 28	1 17.70	+ 6 52.9	1.933	2.907	4.8	20.2
11 7	1 9.73	+ 6 56.8	2.003	2.926	8.5	20.4
11 17	1 3.66	+ 7 8.0	2.098	2.945	11.8	20.7

515032 2009 VZ_{50} 10 16.9 330°.15 3°.5/14.8 18

9 8	1 49.78	+ 4 16.9	1.175	2.039	19.3	21.0
9 18	1 48.17	+ 3 49.1	1.094	2.018	15.3	20.7
9 28	1 43.36	+ 3 9.8	1.032	1.999	10.5	20.3
10 8	1 35.92	+ 2 24.8	0.990	1.980	5.4	20.0
10 18	1 26.94	+ 1 42.3	0.972	1.963	4.0	19.9
10 28	1 17.96	+ 1 11.6	0.977	1.947	8.8	20.1
11 7	1 10.59	+ 1 0.2	1.004	1.932	14.2	20.3
11 17	1 5.98	+ 1 12.0	1.050	1.919	19.1	20.6

123741 2001 AN_{19} 10 16.9 104°.48 1°.5/15.6 18

9 8	1 54.72	+ 7 57.3	1.917	2.732	14.9	20.9
9 18	1 50.30	+ 7 16.8	1.851	2.748	11.5	20.7
9 28	1 43.75	+ 6 26.2	1.807	2.763	7.7	20.5
10 8	1 35.70	+ 5 29.7	1.789	2.779	3.6	20.3
10 18	1 27.00	+ 4 33.0	1.800	2.793	1.8	20.2
10 28	1 18.62	+ 3 42.1	1.839	2.808	5.5	20.5
11 7	1 11.48	+ 3 2.3	1.905	2.822	9.3	20.8
11 17	1 6.21	+ 2 37.0	1.996	2.836	12.6	21.0

393620 2004 DZ_{56} 10 16.9 284°.28 4°.6/12.3 18

9 8	1 50.15	+ 0 51.8	1.897	2.735	14.1	21.2
9 18	1 46.93	− 0 28.2	1.822	2.732	11.0	21.0
9 28	1 41.60	− 1 55.3	1.769	2.728	7.6	20.8
10 8	1 34.74	− 3 22.5	1.743	2.724	4.9	20.6
10 18	1 27.10	− 4 42.0	1.744	2.721	5.2	20.6
10 28	1 19.65	− 5 46.3	1.773	2.717	8.1	20.8
11 7	1 13.28	− 6 30.1	1.827	2.713	11.4	21.0
11 17	1 8.68	− 6 51.3	1.904	2.710	14.5	21.2

358811 2008 EZ_{110} 10 16.9 1°.20 2°.6/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 53.30	+ 3 37.8	1.806	2.637	15.0	20.4
9 18	1 49.49	+ 3 15.2	1.730	2.636	11.7	20.2
9 28	1 43.40	+ 2 46.2	1.677	2.636	7.9	20.0
10 8	1 35.62	+ 2 15.0	1.648	2.636	4.1	19.8
10 18	1 27.01	+ 1 46.8	1.646	2.636	3.0	19.7
10 28	1 18.60	+ 1 26.6	1.672	2.637	6.4	19.9
11 7	1 11.40	+ 1 18.8	1.724	2.638	10.3	20.1
11 17	1 6.14	+ 1 25.5	1.799	2.640	13.7	20.4

201119 2002 JW_{32} 10 16.9 137°.32 2°.6/19.9 18

9 8	1 54.29	+21 22.4	2.283	3.038	14.5	20.9
9 18	1 49.80	+20 54.7	2.201	3.051	11.9	20.8
9 28	1 43.35	+20 9.3	2.140	3.064	8.7	20.6
10 8	1 35.51	+19 7.4	2.105	3.076	5.3	20.4
10 18	1 27.04	+17 52.4	2.098	3.087	2.7	20.2
10 28	1 18.83	+16 29.9	2.121	3.097	4.1	20.4
11 7	1 11.70	+15 6.9	2.173	3.107	7.3	20.6
11 17	1 6.27	+13 50.0	2.253	3.117	10.4	20.8

265201 2004 BV_{99} 10 16.9 194°.14 1°.9/15.3 18

9 8	1 56.66	+ 6 39.6	1.984	2.797	14.5	21.8
9 18	1 51.96	+ 6 2.3	1.899	2.795	11.4	21.6
9 28	1 45.02	+ 5 15.3	1.837	2.792	7.7	21.4
10 8	1 36.41	+ 4 22.7	1.800	2.789	3.7	21.2
10 18	1 26.95	+ 3 29.9	1.792	2.785	2.2	21.0
10 28	1 17.65	+ 2 42.8	1.813	2.780	5.9	21.3
11 7	1 9.49	+ 2 6.8	1.862	2.775	9.8	21.5
11 17	1 3.22	+ 1 45.6	1.936	2.769	13.2	21.7

189951 2003 UX_{23} 10 16.9 297°.46 0°.2/16.8 17

9 8	1 50.56	+10 37.3	2.276	3.082	13.1	20.4
9 18	1 47.05	+10 20.0	2.178	3.068	10.4	20.2
9 28	1 41.63	+ 9 52.4	2.103	3.054	7.1	20.0
10 8	1 34.78	+ 9 16.9	2.053	3.041	3.4	19.7
10 18	1 27.14	+ 8 36.7	2.031	3.027	0.5	19.4
10 28	1 19.54	+ 7 56.4	2.038	3.013	4.4	19.7
11 7	1 12.81	+ 7 21.1	2.073	3.000	8.1	19.9
11 17	1 7.61	+ 6 54.7	2.134	2.986	11.4	20.1

118453 1999 VP_{159} 10 16.9 305°.71 1°.4/18.3 18

9 8	1 50.51	+15 20.0	2.032	2.829	14.8	19.7
9 18	1 47.37	+15 11.3	1.929	2.810	11.9	19.5
9 28	1 42.07	+14 48.2	1.848	2.792	8.5	19.2
10 8	1 35.08	+14 11.7	1.791	2.774	4.6	19.0
10 18	1 27.12	+13 24.7	1.761	2.756	1.4	18.7
10 28	1 19.16	+12 32.3	1.760	2.738	4.5	18.9
11 7	1 12.16	+11 40.6	1.785	2.721	8.5	19.1
11 17	1 6.92	+10 55.8	1.836	2.704	12.2	19.3

171395 2006 QN_{27} 10 16.9 89°.54 3°.9/19.9 17

9 8	1 59.23	+20 2.5	1.492	2.278	19.7	20.3
9 18	1 54.69	+20 16.8	1.427	2.295	16.1	20.1
9 28	1 47.19	+20 10.1	1.381	2.312	11.8	19.9
10 8	1 37.52	+19 41.8	1.356	2.329	7.3	19.7
10 18	1 26.85	+18 54.8	1.358	2.346	4.0	19.6
10 28	1 16.63	+17 55.5	1.386	2.363	5.7	19.7
11 7	1 8.14	+16 53.1	1.440	2.379	9.8	20.0
11 17	1 2.26	+15 56.1	1.518	2.395	13.8	20.3

101183 1998 SR_{11} 10 16.9 77°.15 3°.5/14.4 18

9 8	1 56.30	+ 3 59.3	1.455	2.294	17.6	19.9
9 18	1 52.14	+ 3 9.3	1.400	2.310	13.6	19.7
9 28	1 45.29	+ 2 10.4	1.365	2.325	9.2	19.5
10 8	1 36.54	+ 1 9.5	1.353	2.341	4.8	19.3
10 18	1 26.98	+ 0 14.1	1.368	2.357	4.0	19.3
10 28	1 17.91	− 0 28.0	1.410	2.372	7.7	19.6
11 7	1 10.45	− 0 52.0	1.477	2.388	11.9	19.9
11 17	1 5.36	− 0 55.6	1.565	2.403	15.5	20.1

144991 2005 EH_{182} 10 16.9 83°.21 2°.5/14.5 18

9 8	1 53.01	+ 5 59.5	1.895	2.719	14.7	19.7
9 18	1 48.94	+ 4 58.0	1.837	2.739	11.3	19.5
9 28	1 42.81	+ 3 47.6	1.801	2.759	7.5	19.3
10 8	1 35.27	+ 2 33.7	1.791	2.779	3.8	19.1
10 18	1 27.15	+ 1 23.1	1.809	2.799	2.9	19.1
10 28	1 19.39	+ 0 22.4	1.856	2.818	6.2	19.4
11 7	1 12.84	− 0 23.2	1.930	2.837	9.7	19.6
11 17	1 8.12	− 0 51.1	2.028	2.856	12.9	19.9

356767 2011 UF_{270} 10 16.9 49°.36 3°.0/14.3 18

9 8	1 51.75	+ 4 46.4	1.686	2.523	15.7	20.6
9 18	1 48.33	+ 3 52.4	1.623	2.533	12.1	20.4
9 28	1 42.60	+ 2 49.3	1.582	2.543	8.1	20.2
10 8	1 35.24	+ 1 43.1	1.565	2.553	4.2	20.0
10 18	1 27.14	+ 0 40.9	1.575	2.564	3.5	20.0
10 28	1 19.37	− 0 10.3	1.613	2.575	6.9	20.2
11 7	1 12.89	− 0 45.1	1.676	2.586	10.8	20.5
11 17	1 8.40	− 1 0.8	1.762	2.598	14.2	20.7

459640 2013 JE_{32} 10 16.9 79°.72 5°.6/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 56.99	+ 1 4.1	1.261	2.112	19.0	21.0
9 18	1 53.01	− 0 10.9	1.212	2.128	14.8	20.8
9 28	1 46.03	− 1 33.0	1.182	2.144	10.2	20.6
10 8	1 36.93	− 2 52.9	1.176	2.160	6.3	20.4
10 18	1 26.96	− 4 0.1	1.195	2.176	6.2	20.5
10 28	1 17.58	− 4 45.9	1.239	2.191	9.8	20.7
11 7	1 10.05	− 5 5.7	1.306	2.207	14.0	21.0
11 17	1 5.15	− 4 59.1	1.393	2.222	17.6	21.3

441846 2009 VX_{98} 10 16.9 261°.03 2°.5/14.9 18

9 8	1 54.47	+ 5 41.9	1.709	2.537	15.8	21.9
9 18	1 50.74	+ 5 1.9	1.620	2.525	12.4	21.7
9 28	1 44.50	+ 4 11.3	1.553	2.512	8.4	21.4
10 8	1 36.29	+ 3 14.8	1.511	2.500	4.2	21.2
10 18	1 27.02	+ 2 18.6	1.495	2.487	3.0	21.1
10 28	1 17.83	+ 1 30.2	1.508	2.474	6.9	21.3
11 7	1 9.86	+ 0 55.9	1.546	2.460	11.2	21.5
11 17	1 3.99	+ 0 39.5	1.607	2.447	15.1	21.7

212779 2007 TA_{143} 10 16.9 14°.07 1°.5/16.1 18

9 8	1 48.30	+ 9 29.6	0.896	1.772	22.8	20.0
9 18	1 47.43	+ 9 3.1	0.846	1.776	17.9	19.7
9 28	1 42.93	+ 8 16.7	0.812	1.781	12.1	19.4
10 8	1 35.67	+ 7 16.9	0.797	1.789	5.7	19.1
10 18	1 27.11	+ 6 13.3	0.802	1.798	2.0	18.9
10 28	1 19.07	+ 5 17.9	0.830	1.809	8.0	19.3
11 7	1 13.15	+ 4 40.5	0.879	1.821	13.9	19.7
11 17	1 10.34	+ 4 26.5	0.946	1.835	18.9	20.1

480021 2014 YX_{30} 10 16.9 133°.81 14°.0/31.8 16

9 8	2 8.97	+46 42.9	1.908	2.492	21.7	21.2
9 18	2 3.46	+48 29.9	1.833	2.505	20.1	21.1
9 28	1 53.98	+49 49.4	1.772	2.517	18.3	21.0
10 8	1 41.18	+50 32.7	1.727	2.528	16.4	20.9
10 18	1 26.44	+50 33.0	1.700	2.538	14.9	20.8
10 28	1 11.80	+49 49.0	1.695	2.548	14.1	20.8
11 7	0 59.26	+48 27.0	1.712	2.557	14.2	20.8
11 17	0 50.23	+46 38.7	1.750	2.566	15.2	20.9

307145 2002 CL_{238} 10 16.9 260°.25 2°.5/19.5 17

9 8	1 52.91	+18 40.0	2.381	3.149	13.7	21.8
9 18	1 48.93	+18 42.6	2.275	3.134	11.2	21.6
9 28	1 42.97	+18 31.3	2.190	3.119	8.2	21.3
10 8	1 35.48	+18 6.3	2.130	3.104	5.0	21.1
10 18	1 27.13	+17 29.2	2.098	3.088	2.6	20.9
10 28	1 18.77	+16 43.8	2.096	3.072	4.1	21.0
11 7	1 11.28	+15 55.1	2.122	3.056	7.4	21.2
11 17	1 5.37	+15 8.8	2.174	3.040	10.7	21.4

237898 2002 NW_{64} 10 16.9 72°.54 0°.4/17.3 18

9 8	1 54.80	+12 13.4	1.753	2.563	16.3	20.6
9 18	1 50.72	+12 0.8	1.684	2.574	12.8	20.4
9 28	1 44.26	+11 34.7	1.635	2.585	8.8	20.2
10 8	1 36.07	+10 57.8	1.610	2.597	4.4	20.0
10 18	1 27.08	+10 14.3	1.612	2.608	0.5	19.7
10 28	1 18.40	+ 9 30.1	1.643	2.620	4.9	20.1
11 7	1 11.04	+ 8 51.5	1.700	2.631	9.2	20.4
11 17	1 5.74	+ 8 23.2	1.782	2.643	12.8	20.6

485028 2009 WG_{98} 10 16.9 60°.06 1°.2/15.9 18

9 8	1 54.01	+ 6 1.0	2.333	3.143	12.7	21.6
9 18	1 49.52	+ 5 53.8	2.251	3.144	9.9	21.4
9 28	1 43.19	+ 5 40.6	2.191	3.146	6.7	21.2
10 8	1 35.50	+ 5 24.0	2.159	3.147	3.2	21.0
10 18	1 27.15	+ 5 7.0	2.155	3.149	1.5	20.9
10 28	1 18.95	+ 4 53.5	2.180	3.150	4.7	21.1
11 7	1 11.69	+ 4 46.5	2.234	3.152	8.1	21.3
11 17	1 5.98	+ 4 48.6	2.314	3.154	11.1	21.5

44146 1998 HZ_{101} 10 16.9 120°.80 1°.7/18.5 17

9 8	1 55.25	+17 16.3	1.601	2.400	18.0	19.9
9 18	1 51.40	+16 50.6	1.527	2.408	14.5	19.6
9 28	1 44.91	+16 4.5	1.473	2.416	10.3	19.4
10 8	1 36.45	+15 0.2	1.442	2.424	5.6	19.2
10 18	1 27.05	+13 42.7	1.437	2.431	1.8	18.9
10 28	1 17.97	+12 20.2	1.460	2.439	5.1	19.2
11 7	1 10.37	+11 2.0	1.509	2.446	9.7	19.5
11 17	1 5.06	+ 9 55.9	1.583	2.452	13.7	19.7

438351 2006 SZ_{26} 10 16.9 6°.37 0°.9/17.8 17

9 8	1 39.31	+17 34.0	1.088	1.941	21.2	19.2
9 18	1 39.90	+16 35.4	1.028	1.942	17.0	18.9
9 28	1 37.56	+15 6.0	0.986	1.946	11.8	18.6
10 8	1 33.03	+13 11.3	0.963	1.952	6.1	18.3
10 18	1 27.44	+11 2.2	0.964	1.960	0.9	18.0
10 28	1 22.19	+ 8 53.8	0.989	1.971	6.2	18.4
11 7	1 18.54	+ 7 1.0	1.037	1.983	11.7	18.8
11 17	1 17.31	+ 5 33.7	1.105	1.998	16.5	19.1

7964 1995 DD_2 10 16.9 127°.14 3°.2/13.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 51.61	+ 3 37.5	2.073	2.899	13.5	17.2
9 18	1 47.81	+ 2 30.4	2.002	2.906	10.4	17.0
9 28	1 42.08	+ 1 15.7	1.955	2.913	7.0	16.8
10 8	1 34.97	− 0 0.9	1.934	2.920	4.0	16.6
10 18	1 27.22	− 1 12.9	1.942	2.926	3.7	16.6
10 28	1 19.71	− 2 13.9	1.978	2.932	6.6	16.8
11 7	1 13.25	− 2 59.0	2.041	2.938	9.9	17.0
11 17	1 8.45	− 3 25.7	2.129	2.944	12.8	17.2

114352 2002 XS_{78} 10 16.9 3°.01 3°.2/18.9 18

9 8	1 48.78	+15 33.0	1.012	1.863	22.7	18.6
9 18	1 47.76	+16 5.6	0.949	1.860	18.4	18.3
9 28	1 43.23	+16 16.7	0.903	1.859	13.3	18.0
10 8	1 35.91	+16 6.0	0.876	1.860	7.7	17.7
10 18	1 27.10	+15 36.6	0.870	1.863	3.3	17.5
10 28	1 18.58	+14 55.9	0.886	1.868	6.6	17.7
11 7	1 12.04	+14 14.5	0.924	1.875	12.2	18.0
11 17	1 8.57	+13 41.6	0.982	1.883	17.2	18.3

146883 2002 CF_{24} 10 16.9 325°.63 5°.4/22.5 18 R

9 8	1 52.09	+26 54.0	2.114	2.851	16.1	20.0
9 18	1 48.61	+27 9.7	2.021	2.849	13.7	19.8
9 28	1 42.90	+27 5.3	1.948	2.846	10.8	19.6
10 8	1 35.48	+26 39.5	1.897	2.844	7.9	19.4
10 18	1 27.16	+25 53.0	1.872	2.842	5.7	19.3
10 28	1 18.94	+24 49.4	1.874	2.840	5.8	19.3
11 7	1 11.83	+23 35.5	1.904	2.838	8.2	19.4
11 17	1 6.58	+22 19.2	1.960	2.837	11.1	19.6

321374 2009 OT_8 10 16.9 9°.77 10°.2/ 6.4 18

9 8	1 47.05	−12 31.9	1.600	2.458	15.3	19.5
9 18	1 44.86	−14 34.8	1.554	2.460	12.8	19.4
9 28	1 40.36	−16 31.7	1.531	2.464	10.8	19.3
10 8	1 34.21	−18 11.3	1.531	2.468	10.2	19.2
10 18	1 27.31	−19 24.0	1.555	2.474	11.3	19.3
10 28	1 20.73	−20 3.6	1.602	2.480	13.4	19.5
11 7	1 15.43	−20 8.8	1.670	2.487	15.8	19.7
11 17	1 12.08	−19 41.9	1.755	2.495	18.0	19.8

358577 2007 TM_{424} 10 16.9 105°.93 0°.3/17.3 18

9 8	1 55.65	+11 19.8	1.916	2.720	15.3	21.3
9 18	1 51.26	+11 16.3	1.837	2.725	12.1	21.1
9 28	1 44.60	+11 1.4	1.780	2.730	8.3	20.9
10 8	1 36.26	+10 37.3	1.748	2.735	4.1	20.7
10 18	1 27.08	+10 7.3	1.743	2.740	0.5	20.4
10 28	1 18.12	+ 9 36.2	1.768	2.744	4.7	20.7
11 7	1 10.35	+ 9 9.2	1.819	2.749	8.8	21.0
11 17	1 4.52	+ 8 50.7	1.896	2.754	12.4	21.2

358167 2006 RK_{119} 10 16.9 254°.07 0°.4/17.3 18

9 8	1 53.11	+12 16.4	2.072	2.873	14.4	21.9
9 18	1 49.23	+12 2.3	1.980	2.866	11.4	21.7
9 28	1 43.23	+11 35.9	1.910	2.859	7.9	21.4
10 8	1 35.62	+10 59.5	1.865	2.852	3.9	21.2
10 18	1 27.15	+10 16.4	1.848	2.844	0.5	20.9
10 28	1 18.78	+ 9 31.8	1.860	2.837	4.5	21.2
11 7	1 11.43	+ 8 51.3	1.900	2.829	8.5	21.4
11 17	1 5.82	+ 8 19.5	1.965	2.822	12.0	21.6

56329 Tarxien 10 16.9 208°.67 3°.0/19.5 18

9 8	1 54.78	+19 37.5	1.644	2.432	18.1	20.2
9 18	1 51.19	+19 30.0	1.559	2.430	14.8	20.0
9 28	1 44.90	+19 1.4	1.493	2.428	10.9	19.8
10 8	1 36.52	+18 12.2	1.450	2.426	6.5	19.5
10 18	1 27.05	+17 5.5	1.432	2.424	3.1	19.3
10 28	1 17.75	+15 48.2	1.442	2.421	5.3	19.4
11 7	1 9.84	+14 29.5	1.479	2.418	9.6	19.7
11 17	1 4.23	+13 18.4	1.540	2.415	13.7	19.9

131342 2001 HG_{49} 10 16.9 105°.50 3°.3/20.5 18

9 8	1 53.63	+22 40.4	2.051	2.810	15.9	19.9
9 18	1 49.57	+22 22.6	1.974	2.824	13.0	19.7
9 28	1 43.36	+21 45.0	1.917	2.838	9.7	19.5
10 8	1 35.61	+20 48.6	1.884	2.852	6.2	19.3
10 18	1 27.17	+19 36.6	1.879	2.865	3.5	19.2
10 28	1 19.01	+18 14.8	1.902	2.878	4.5	19.3
11 7	1 12.05	+16 51.0	1.954	2.891	7.8	19.5
11 17	1 6.95	+15 32.5	2.033	2.904	11.0	19.7

340267 2006 BW_{172} 10 16.9 114°.81 1°.1/18.0 18

9 8	1 55.24	+15 4.4	1.868	2.663	16.0	21.4
9 18	1 50.96	+14 45.6	1.794	2.674	12.7	21.2
9 28	1 44.38	+14 11.4	1.741	2.686	8.9	21.0
10 8	1 36.14	+13 23.8	1.713	2.697	4.7	20.7
10 18	1 27.11	+12 27.2	1.712	2.707	1.1	20.5
10 28	1 18.38	+11 27.5	1.739	2.717	4.6	20.8
11 7	1 10.91	+10 31.6	1.795	2.727	8.7	21.0
11 17	1 5.43	+ 9 45.4	1.875	2.737	12.3	21.3

75552 1999 YO_5 10 16.9 191°.53 7°.9/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	2 7.89	+29 36.7	2.126	2.817	17.2	19.8
9 18	2 1.42	+30 58.5	2.028	2.815	15.0	19.6
9 28	1 51.97	+32 3.5	1.949	2.813	12.4	19.4
10 8	1 40.06	+32 46.4	1.894	2.811	9.9	19.3
10 18	1 26.65	+33 3.3	1.865	2.807	8.1	19.2
10 28	1 13.11	+32 54.1	1.864	2.803	8.2	19.2
11 7	1 0.84	+32 23.4	1.891	2.798	10.0	19.3
11 17	0 50.96	+31 39.1	1.944	2.792	12.5	19.4

443446 2014 HG_{160} 10 16.9 134°.78 3°.0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 52.91	+ 3 43.2	1.993	2.818	14.0	21.6
9 18	1 48.94	+ 2 53.1	1.920	2.823	10.9	21.5
9 28	1 42.92	+ 1 55.6	1.869	2.827	7.3	21.2
10 8	1 35.42	+ 0 55.9	1.845	2.832	4.0	21.1
10 18	1 27.21	− 0 0.0	1.849	2.836	3.4	21.0
10 28	1 19.23	− 0 46.2	1.881	2.840	6.4	21.2
11 7	1 12.35	− 1 18.0	1.939	2.843	9.9	21.5
11 17	1 7.23	− 1 32.9	2.022	2.847	13.1	21.7

116379 2003 YB_{115} 10 16.9 359°.97 1°.0/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.53	+ 7 44.7	1.631	2.458	16.5	19.5
9 18	1 50.81	+ 7 38.9	1.555	2.457	13.0	19.3
9 28	1 44.53	+ 7 23.3	1.499	2.456	8.8	19.0
10 8	1 36.31	+ 7 0.8	1.466	2.456	4.2	18.8
10 18	1 27.10	+ 6 36.0	1.461	2.456	1.3	18.6
10 28	1 18.10	+ 6 14.2	1.482	2.457	5.8	18.9
11 7	1 10.44	+ 6 0.6	1.530	2.458	10.3	19.1
11 17	1 4.96	+ 5 58.9	1.601	2.459	14.2	19.4

129186 Joshgrindlay 10 16.9 78°.03 5°.3/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 56.29	− 0 17.5	1.452	2.296	17.3	19.5
9 18	1 52.17	− 1 18.7	1.397	2.309	13.5	19.3
9 28	1 45.36	− 2 24.8	1.363	2.322	9.4	19.1
10 8	1 36.63	− 3 27.7	1.352	2.334	5.9	19.0
10 18	1 27.08	− 4 19.1	1.368	2.347	5.9	19.0
10 28	1 18.00	− 4 51.8	1.410	2.360	9.1	19.2
11 7	1 10.52	− 5 2.0	1.475	2.373	12.9	19.5
11 17	1 5.41	− 4 49.3	1.563	2.385	16.3	19.7

101408 1998 VC_6 10 16.9 344°.53 1°.2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 47.47	+13 29.0	1.109	1.961	21.0	18.9
9 18	1 46.55	+13 29.9	1.034	1.948	16.9	18.6
9 28	1 42.37	+13 10.1	0.976	1.937	11.9	18.3
10 8	1 35.53	+12 31.4	0.938	1.927	6.2	18.0
10 18	1 27.18	+11 38.8	0.922	1.918	1.2	17.6
10 28	1 18.94	+10 41.5	0.929	1.911	6.6	17.9
11 7	1 12.41	+ 9 50.1	0.959	1.906	12.4	18.2
11 17	1 8.74	+ 9 13.3	1.008	1.902	17.6	18.5

111929 2002 GQ_{23} 10 16.9 115°.99 0°.2/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 56.40	+12 48.1	1.583	2.395	17.6	20.1
9 18	1 52.18	+12 4.9	1.516	2.409	13.9	19.9
9 28	1 45.36	+11 4.6	1.469	2.422	9.4	19.7
10 8	1 36.65	+ 9 51.4	1.447	2.435	4.5	19.4
10 18	1 27.09	+ 8 31.9	1.451	2.447	0.6	19.2
10 28	1 17.92	+ 7 14.7	1.483	2.459	5.6	19.6
11 7	1 10.27	+ 6 8.2	1.542	2.470	10.2	19.9
11 17	1 4.89	+ 5 18.1	1.625	2.481	14.2	20.1

523307 2017 BS_{109} 10 16.9 60°.39 3°.8/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 51.31	+23 27.0	2.324	3.074	14.5	20.9
9 18	1 47.68	+23 28.5	2.233	3.075	12.0	20.7
9 28	1 42.09	+23 12.8	2.163	3.076	9.2	20.5
10 8	1 35.05	+22 39.9	2.116	3.076	6.2	20.3
10 18	1 27.26	+21 51.3	2.096	3.077	4.0	20.2
10 28	1 19.61	+20 51.2	2.105	3.078	4.6	20.3
11 7	1 12.92	+19 45.4	2.143	3.079	7.3	20.4
11 17	1 7.87	+18 40.4	2.206	3.079	10.2	20.6

263058 2007 HW_{67} 10 16.9 281°.82 1°.6/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 50.09	+ 7 30.9	2.204	3.021	13.1	20.9
9 18	1 46.74	+ 6 47.7	2.109	3.007	10.2	20.7
9 28	1 41.47	+ 5 54.4	2.036	2.993	6.9	20.4
10 8	1 34.77	+ 4 54.8	1.990	2.979	3.3	20.2
10 18	1 27.29	+ 3 53.7	1.972	2.965	2.0	20.1
10 28	1 19.87	+ 2 57.2	1.983	2.951	5.3	20.3
11 7	1 13.34	+ 2 10.6	2.022	2.937	9.0	20.5
11 17	1 8.36	+ 1 37.8	2.085	2.923	12.2	20.7

84707 2002 VJ_{119} 10 16.9 277°.90 0°.2/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 54.34	+10 57.7	2.028	2.832	14.5	19.8
9 18	1 50.36	+10 52.5	1.927	2.816	11.6	19.6
9 28	1 44.13	+10 36.3	1.848	2.799	8.0	19.3
10 8	1 36.14	+10 11.1	1.794	2.781	4.0	19.1
10 18	1 27.14	+ 9 39.9	1.768	2.764	0.4	18.7
10 28	1 18.12	+ 9 7.3	1.770	2.747	4.8	19.0
11 7	1 10.10	+ 8 38.6	1.800	2.729	8.9	19.3
11 17	1 3.89	+ 8 18.3	1.856	2.712	12.7	19.5

494639 2017 DM_{31} 10 16.9 8°.49 5°.5/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 48.98	− 3 40.3	2.044	2.886	13.1	20.7
9 18	1 45.85	− 4 56.8	1.978	2.887	10.3	20.5
9 28	1 40.81	− 6 15.6	1.935	2.887	7.5	20.4
10 8	1 34.40	− 7 29.6	1.917	2.889	5.7	20.3
10 18	1 27.35	− 8 32.0	1.927	2.890	6.2	20.3
10 28	1 20.50	− 9 16.9	1.964	2.892	8.5	20.5
11 7	1 14.65	− 9 40.8	2.026	2.894	11.3	20.6
11 17	1 10.42	− 9 42.9	2.110	2.897	13.9	20.8

412685 2014 OV_{232} 10 16.9 71°.10 4°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.72	− 0 14.2	2.289	3.121	12.2	21.4
9 18	1 45.38	− 1 35.2	2.223	3.130	9.4	21.2
9 28	1 40.35	− 3 0.4	2.183	3.138	6.6	21.1
10 8	1 34.14	− 4 23.8	2.169	3.147	4.5	21.0
10 18	1 27.38	− 5 39.1	2.183	3.155	4.8	21.0
10 28	1 20.84	− 6 40.4	2.227	3.164	7.1	21.2
11 7	1 15.21	− 7 23.8	2.297	3.173	9.8	21.4
11 17	1 11.02	− 7 47.7	2.390	3.181	12.3	21.5

27309 Serenamccalla 10 16.9 224°.11 1°.5/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 57.68	+14 33.4	1.833	2.626	16.3	20.3
9 18	1 53.21	+14 35.2	1.740	2.618	13.1	20.1
9 28	1 46.18	+14 22.6	1.668	2.611	9.3	19.8
10 8	1 37.16	+13 56.6	1.619	2.602	5.0	19.5
10 18	1 27.03	+13 19.9	1.599	2.594	1.5	19.3
10 28	1 16.96	+12 37.4	1.606	2.584	4.9	19.5
11 7	1 8.11	+11 55.6	1.642	2.575	9.3	19.7
11 17	1 1.39	+11 20.8	1.702	2.565	13.3	20.0

46815 1998 MG_3 10 16.9 126°.79 1°.9/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 58.38	+ 6 58.1	1.793	2.608	15.8	19.7
9 18	1 53.34	+ 6 18.0	1.727	2.624	12.3	19.5
9 28	1 45.95	+ 5 27.9	1.683	2.639	8.2	19.3
10 8	1 36.88	+ 4 32.5	1.665	2.653	4.0	19.1
10 18	1 27.08	+ 3 37.6	1.674	2.667	2.3	19.0
10 28	1 17.66	+ 2 49.9	1.713	2.680	6.0	19.3
11 7	1 9.61	+ 2 14.5	1.779	2.693	10.0	19.5
11 17	1 3.65	+ 1 54.9	1.869	2.705	13.5	19.8

318451 2005 ET_1 10 16.9 137°.84 11°.3/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	2 11.16	+34 57.4	1.795	2.464	20.6	20.4
9 18	2 4.82	+36 55.7	1.714	2.474	18.4	20.3
9 28	1 54.78	+38 32.7	1.651	2.483	15.9	20.1
10 8	1 41.61	+39 39.9	1.608	2.491	13.4	20.0
10 18	1 26.52	+40 10.7	1.589	2.499	11.7	19.9
10 28	1 11.36	+40 3.7	1.595	2.506	11.4	19.9
11 7	0 57.97	+39 24.8	1.626	2.513	12.6	20.0
11 17	0 47.75	+38 24.7	1.681	2.519	14.6	20.2

472477 2015 BP_{482} 10 16.9 169°.52 1°.3/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 56.31	+15 25.6	1.634	2.435	17.6	21.6
9 18	1 52.28	+15 7.8	1.554	2.437	14.1	21.4
9 28	1 45.58	+14 31.9	1.493	2.439	10.0	21.2
10 8	1 36.85	+13 39.8	1.457	2.441	5.3	20.9
10 18	1 27.09	+12 36.1	1.446	2.442	1.3	20.6
10 28	1 17.55	+11 28.1	1.464	2.443	5.2	20.9
11 7	1 9.44	+10 24.0	1.508	2.443	9.8	21.2
11 17	1 3.61	+ 9 31.1	1.577	2.443	14.0	21.4

514612 2003 UJ_{317} 10 16.9 44°.83 0°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 59.59	+ 8 26.4	1.557	2.376	17.6	21.3
9 18	1 54.80	+ 8 47.2	1.490	2.386	13.8	21.0
9 28	1 47.23	+ 8 58.8	1.442	2.396	9.5	20.8
10 8	1 37.61	+ 9 3.2	1.419	2.407	4.6	20.6
10 18	1 27.01	+ 9 2.9	1.422	2.418	0.5	20.3
10 28	1 16.76	+ 9 2.2	1.453	2.430	5.5	20.7
11 7	1 8.07	+ 9 5.4	1.510	2.441	10.1	21.0
11 17	1 1.79	+ 9 16.2	1.591	2.453	14.1	21.3

410900 2009 SE_{123} 10 16.9 319°.85 2°.2/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 49.47	+18 7.2	2.052	2.839	15.0	20.9
9 18	1 46.52	+17 55.4	1.956	2.828	12.2	20.6
9 28	1 41.48	+17 27.2	1.880	2.818	8.8	20.4
10 8	1 34.83	+16 43.4	1.829	2.807	5.2	20.2
10 18	1 27.31	+15 46.8	1.805	2.797	2.2	20.0
10 28	1 19.86	+14 42.9	1.809	2.788	4.3	20.1
11 7	1 13.40	+13 38.2	1.840	2.778	8.1	20.3
11 17	1 8.67	+12 39.5	1.897	2.769	11.7	20.5

486940 2014 MV_{37} 10 16.9 2°.49 7°.7/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
9 8	1 48.11	− 8 7.9	1.782	2.634	14.3	20.6
9 18	1 45.47	− 9 38.2	1.724	2.633	11.5	20.4
9 28	1 40.70	−11 7.2	1.687	2.633	9.0	20.2
10 8	1 34.40	−12 26.0	1.676	2.634	7.7	20.2
10 18	1 27.37	−13 26.6	1.689	2.635	8.5	20.2
10 28	1 20.59	−14 2.6	1.728	2.637	10.8	20.4
11 7	1 14.96	−14 11.5	1.790	2.640	13.5	20.6
11 17	1 11.12	−13 54.0	1.872	2.643	16.0	20.7

404718 2014 JO_{13} 10 16.9 82°.77 3°.3/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 53.27	+ 2 18.0	1.939	2.768	14.2	20.8
9 18	1 49.24	+ 1 33.5	1.871	2.776	11.0	20.6
9 28	1 43.13	+ 0 43.2	1.826	2.784	7.5	20.4
10 8	1 35.53	− 0 7.6	1.807	2.792	4.2	20.2
10 18	1 27.25	− 0 53.1	1.815	2.800	3.7	20.2
10 28	1 19.24	− 1 27.9	1.851	2.809	6.7	20.4
11 7	1 12.38	− 1 47.9	1.914	2.817	10.1	20.6
11 17	1 7.32	− 1 51.2	2.001	2.825	13.2	20.8

221464 2006 BP_{87} 10 16.9 357°.84 4°.1/13.4 18

9 8	1 49.05	+ 1 21.9	1.696	2.543	15.1	19.6
9 18	1 46.35	+ 0 31.6	1.625	2.540	11.8	19.4
9 28	1 41.40	− 0 25.1	1.576	2.537	8.1	19.2
10 8	1 34.78	− 1 21.8	1.551	2.536	4.8	19.0
10 18	1 27.33	− 2 11.6	1.552	2.536	4.6	19.0
10 28	1 20.10	− 2 47.9	1.580	2.536	7.8	19.2
11 7	1 14.05	− 3 6.2	1.632	2.537	11.4	19.4
11 17	1 9.91	− 3 4.4	1.707	2.539	14.8	19.6

364082 2005 YL_{64} 10 16.9 124°.46 4°.9/11.9 18

9 8	1 51.95	− 4 19.3	2.315	3.144	12.2	20.6
9 18	1 47.89	− 5 12.0	2.245	3.147	9.6	20.5
9 28	1 42.07	− 6 5.4	2.200	3.150	7.0	20.3
10 8	1 34.99	− 6 54.0	2.181	3.153	5.1	20.2
10 18	1 27.32	− 7 32.6	2.190	3.156	5.4	20.2
10 28	1 19.86	− 7 56.8	2.227	3.159	7.5	20.4
11 7	1 13.34	− 8 4.0	2.291	3.161	10.1	20.5
11 17	1 8.32	− 7 53.7	2.378	3.164	12.5	20.7

268934 2007 DX_{13} 10 17.0 9°.15 0°.4/17.3 18

9 8	1 55.67	+11 13.7	1.388	2.216	18.9	21.0
9 18	1 52.21	+11 15.9	1.316	2.216	15.0	20.8
9 28	1 45.76	+11 3.6	1.262	2.217	10.4	20.5
10 8	1 37.02	+10 39.2	1.230	2.218	5.1	20.2
10 18	1 27.09	+10 6.8	1.224	2.220	0.6	19.9
10 28	1 17.41	+ 9 33.0	1.243	2.222	5.9	20.3
11 7	1 9.34	+ 9 4.9	1.288	2.224	11.0	20.6
11 17	1 3.83	+ 8 48.3	1.355	2.227	15.4	20.8

170170 2003 FY_{130} 10 17.0 67°.21 2°.2/18.4 17

9 8	2 0.87	+15 42.5	1.221	2.037	21.6	20.0
9 18	1 56.28	+15 47.7	1.172	2.062	17.2	19.8
9 28	1 48.39	+15 32.3	1.140	2.087	12.1	19.6
10 8	1 38.16	+14 58.0	1.129	2.113	6.6	19.4
10 18	1 26.99	+14 9.6	1.143	2.138	2.2	19.2
10 28	1 16.53	+13 15.5	1.184	2.163	5.9	19.5
11 7	1 8.17	+12 25.1	1.249	2.188	10.9	19.9
11 17	1 2.75	+11 45.8	1.336	2.213	15.3	20.2

358678 2007 YF_{18} 10 17.0 337°.57 3°.4/19.1 17

9 8	1 53.04	+15 51.0	1.434	2.250	18.9	20.4
9 18	1 50.40	+16 34.1	1.345	2.234	15.5	20.1
9 28	1 44.78	+17 2.5	1.275	2.220	11.4	19.9
10 8	1 36.69	+17 15.0	1.227	2.207	6.9	19.6
10 18	1 27.12	+17 12.0	1.203	2.194	3.5	19.3
10 28	1 17.50	+16 57.0	1.204	2.183	6.0	19.5
11 7	1 9.29	+16 36.4	1.230	2.173	10.7	19.7
11 17	1 3.63	+16 17.5	1.278	2.164	15.1	19.9

135298 2001 SE_{215} 10 17.0 335°.95 1°.2/16.2 18

9 8	1 56.18	+ 7 48.7	1.541	2.368	17.3	19.6
9 18	1 52.29	+ 7 36.7	1.464	2.366	13.6	19.4
9 28	1 45.66	+ 7 13.7	1.407	2.365	9.3	19.1
10 8	1 36.94	+ 6 43.3	1.374	2.363	4.4	18.8
10 18	1 27.12	+ 6 10.3	1.367	2.362	1.5	18.6
10 28	1 17.52	+ 5 41.0	1.387	2.361	6.2	19.0
11 7	1 9.36	+ 5 21.5	1.433	2.360	10.9	19.2
11 17	1 3.54	+ 5 15.6	1.501	2.359	15.0	19.5

274651 2008 TF_{149} 10 17.0 319°.53 0°.6/15.9 18

9 8	1 45.38	+ 7 7.2	4.228	5.026	7.7	20.4
9 18	1 42.06	+ 6 52.8	4.136	5.023	5.9	20.3
9 28	1 37.79	+ 6 34.3	4.069	5.021	4.0	20.1
10 8	1 32.86	+ 6 13.5	4.030	5.019	1.9	20.0
10 18	1 27.59	+ 5 52.0	4.022	5.016	0.8	19.9
10 28	1 22.39	+ 5 32.1	4.044	5.014	2.7	20.0
11 7	1 17.61	+ 5 15.7	4.096	5.012	4.8	20.2
11 17	1 13.60	+ 5 4.5	4.176	5.009	6.7	20.3

1397 Umtata 10 17.0 67°.31 1°.8/15.6 18

9 8	1 56.96	+ 6 56.0	1.677	2.499	16.4	15.5
9 18	1 52.23	+ 6 23.7	1.627	2.527	12.6	15.3
9 28	1 45.16	+ 5 42.1	1.598	2.555	8.4	15.1
10 8	1 36.49	+ 4 55.8	1.593	2.582	4.0	14.9
10 18	1 27.23	+ 4 10.6	1.616	2.610	2.1	14.8
10 28	1 18.47	+ 3 32.5	1.668	2.637	5.9	15.2
11 7	1 11.19	+ 3 6.4	1.745	2.664	9.9	15.4
11 17	1 6.01	+ 2 54.9	1.847	2.691	13.3	15.7

443439 2014 HY_{146} 10 17.0 72°.46 1°.9/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
9 8	1 51.48	+ 7 35.9	1.878	2.702	14.8	21.6
9 18	1 48.04	+ 6 44.4	1.802	2.704	11.5	21.3
9 28	1 42.45	+ 5 41.5	1.748	2.706	7.7	21.1
10 8	1 35.29	+ 4 32.2	1.719	2.708	3.7	20.9
10 18	1 27.36	+ 3 22.7	1.718	2.710	2.3	20.8
10 28	1 19.64	+ 2 20.0	1.745	2.712	6.0	21.0
11 7	1 13.05	+ 1 30.3	1.799	2.714	9.8	21.3
11 17	1 8.29	+ 0 57.4	1.876	2.716	13.3	21.5

347061 2010 FR_{4} 10 17.0 103°.37 0°.5/16.6 18

9 8	1 55.25	+ 9 38.1	1.781	2.595	15.8	21.3
9 18	1 51.16	+ 9 23.1	1.703	2.598	12.5	21.1
9 28	1 44.67	+ 8 56.7	1.646	2.600	8.5	20.8
10 8	1 36.40	+ 8 21.8	1.614	2.603	4.1	20.6
10 18	1 27.24	+ 7 43.0	1.610	2.605	0.8	20.4
10 28	1 18.30	+ 7 5.8	1.633	2.608	5.3	20.7
11 7	1 10.61	+ 6 35.9	1.683	2.610	9.6	20.9
11 17	1 4.96	+ 6 17.7	1.757	2.613	13.3	21.2

318007 2004 CG_{75} 10 17.0 181°.39 0°.6/16.5 18

9 8	1 56.38	+10 35.1	1.930	2.734	15.2	22.0
9 18	1 51.87	+10 0.5	1.846	2.735	11.9	21.7
9 28	1 45.08	+ 9 12.9	1.784	2.736	8.1	21.5
10 8	1 36.59	+ 8 15.9	1.748	2.736	3.9	21.3
10 18	1 27.24	+ 7 14.4	1.740	2.735	1.0	21.0
10 28	1 18.08	+ 6 15.0	1.761	2.734	5.2	21.3
11 7	1 10.10	+ 5 24.0	1.810	2.732	9.3	21.6
11 17	1 4.05	+ 4 46.3	1.883	2.729	13.0	21.8

408045 2012 FQ_{67} 10 17.0 160°.36 5°.6/10.9 18

9 8	1 54.27	−10 8.7	2.731	3.547	10.9	20.8
9 18	1 49.39	−10 50.8	2.664	3.551	8.8	20.7
9 28	1 42.95	−11 29.5	2.621	3.555	6.8	20.6
10 8	1 35.41	−12 0.1	2.605	3.558	5.6	20.5
10 18	1 27.38	−12 18.4	2.617	3.561	6.0	20.5
10 28	1 19.54	−12 21.4	2.658	3.564	7.6	20.6
11 7	1 12.57	−12 7.9	2.725	3.566	9.6	20.8
11 17	1 6.95	−11 38.3	2.816	3.568	11.6	20.9

73355 2002 JE_{144} 10 17.0 100°.65 7°.1/ 9.9 18

9 8	1 52.96	− 6 1.4	1.815	2.656	14.5	19.5
9 18	1 49.10	− 7 42.9	1.763	2.669	11.5	19.4
9 28	1 43.08	− 9 24.5	1.734	2.681	8.7	19.2
10 8	1 35.55	−10 57.1	1.731	2.693	7.2	19.2
10 18	1 27.36	−12 12.2	1.754	2.705	7.9	19.2
10 28	1 19.52	−13 3.3	1.804	2.716	10.2	19.4
11 7	1 12.93	−13 27.6	1.878	2.728	12.9	19.6
11 17	1 8.22	−13 25.8	1.973	2.739	15.5	19.8

411540 2011 BK_{122} 10 17.0 279°.32 3°.3/20.4 17

9 8	1 52.12	+21 3.2	2.391	3.149	13.9	21.5
9 18	1 48.30	+21 12.7	2.295	3.145	11.5	21.3
9 28	1 42.55	+21 7.5	2.221	3.141	8.6	21.1
10 8	1 35.35	+20 47.5	2.171	3.137	5.6	20.9
10 18	1 27.38	+20 13.9	2.148	3.133	3.4	20.8
10 28	1 19.47	+19 30.3	2.155	3.129	4.3	20.8
11 7	1 12.47	+18 41.7	2.190	3.125	7.2	21.0
11 17	1 7.05	+17 53.6	2.251	3.121	10.2	21.2

300619 2007 UL_{20} 10 17.0 359°.84 1°.0/16.2 18

9 8	1 51.75	+ 9 27.2	1.615	2.443	16.6	20.9
9 18	1 48.68	+ 8 56.7	1.539	2.442	13.0	20.6
9 28	1 43.13	+ 8 12.9	1.483	2.442	8.8	20.4
10 8	1 35.71	+ 7 19.8	1.452	2.441	4.2	20.1
10 18	1 27.34	+ 6 23.2	1.446	2.441	1.4	19.9
10 28	1 19.18	+ 5 30.3	1.468	2.442	5.9	20.2
11 7	1 12.33	+ 4 48.1	1.515	2.443	10.4	20.5
11 17	1 7.59	+ 4 21.3	1.586	2.444	14.3	20.8

12424 1995 VM 10 17.0 132°.73 5°.3/12.8 18 R

9 8	1 58.68	− 4 52.2	2.009	2.832	14.0	17.8
9 18	1 53.35	− 5 29.5	1.944	2.841	11.0	17.6
9 28	1 45.88	− 6 6.3	1.902	2.850	8.0	17.4
10 8	1 36.89	− 6 36.8	1.885	2.858	5.6	17.3
10 18	1 27.22	− 6 55.8	1.897	2.866	5.7	17.3
10 28	1 17.88	− 6 59.2	1.937	2.874	8.0	17.5
11 7	1 9.77	− 6 45.0	2.003	2.881	11.0	17.7
11 17	1 3.54	− 6 13.6	2.093	2.888	13.8	17.9

300772 2007 VO_{257} 10 17.0 342°.12 1°.8/18.1 17

9 8	1 48.89	+13 8.4	1.254	2.095	19.7	20.7
9 18	1 47.45	+13 31.8	1.170	2.077	15.9	20.4
9 28	1 42.93	+13 39.4	1.104	2.061	11.4	20.1
10 8	1 35.87	+13 31.7	1.059	2.046	6.2	19.8
10 18	1 27.30	+13 11.3	1.037	2.032	1.8	19.4
10 28	1 18.72	+12 43.9	1.039	2.020	6.1	19.7
11 7	1 11.64	+12 17.4	1.064	2.010	11.5	20.0
11 17	1 7.22	+11 59.3	1.109	2.001	16.5	20.2