398177 2010 JE_{38} 8 15.9 13°.53 7°.4/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 7.43	−28 21.3	1.320	2.207	16.7	19.7
7 20	22 3.99	−29 17.2	1.271	2.212	13.2	19.5
7 30	21 57.57	−30 9.9	1.243	2.219	9.7	19.3
8 9	21 49.07	−30 50.0	1.236	2.226	7.5	19.2
8 19	21 39.76	−31 9.4	1.252	2.235	8.3	19.3
8 29	21 31.16	−31 3.8	1.292	2.245	11.3	19.5
9 8	21 24.56	−30 33.5	1.352	2.256	14.7	19.7
9 18	21 20.78	−29 41.8	1.432	2.268	17.8	20.0

79537 1998 QX_{31} 8 15.9 358°.61 1°.1/15.3 18

7 10	21 59.77	−12 26.6	1.018	1.913	19.9	18.1
7 20	21 58.64	−13 4.1	0.958	1.908	15.3	17.9
7 30	21 54.43	−14 0.3	0.916	1.905	10.0	17.6
8 9	21 47.89	−15 8.6	0.894	1.903	4.1	17.2
8 19	21 40.22	−16 19.2	0.893	1.903	2.6	17.1
8 29	21 33.01	−17 21.7	0.914	1.905	8.5	17.5
9 8	21 27.74	−18 7.8	0.955	1.908	13.9	17.8
9 18	21 25.40	−18 33.4	1.015	1.913	18.7	18.1

220211 2002 VJ_{54} 8 15.9 286°.87 5°.4/12.8 18

7 10	22 13.50	−25 0.2	1.525	2.393	15.9	20.0
7 20	22 8.41	−25 37.2	1.455	2.389	12.4	19.7
7 30	22 0.42	−26 14.7	1.407	2.384	8.6	19.5
8 9	21 50.29	−26 44.8	1.383	2.380	5.7	19.3
8 19	21 39.21	−27 0.4	1.383	2.376	6.2	19.4
8 29	21 28.61	−26 56.7	1.409	2.372	9.5	19.5
9 8	21 19.85	−26 32.8	1.458	2.368	13.4	19.8
9 18	21 13.84	−25 50.7	1.528	2.364	16.9	20.0

23187 2000 PN_{9} 8 15.9 286°.63 14°.5/26.5 17

7 10	22 22.54	+25 42.5	1.704	2.317	23.6	20.2
7 20	22 16.68	+25 34.9	1.544	2.262	22.2	19.9
7 30	22 7.06	+24 42.1	1.396	2.205	20.1	19.5
8 9	21 53.76	+22 48.1	1.264	2.144	17.6	19.2
8 19	21 37.39	+19 37.4	1.156	2.081	15.2	18.8
8 29	21 19.44	+15 3.0	1.077	2.015	14.6	18.6
9 8	21 1.94	+ 9 15.6	1.030	1.946	17.1	18.5
9 18	20 46.93	+ 2 45.0	1.017	1.874	21.9	18.6

171117 2005 GF_{1} 8 15.9 100°.02 3°.5/13.3 18

7 10	22 11.74	−22 35.0	2.090	2.942	12.9	20.3
7 20	22 6.03	−23 11.4	2.035	2.961	9.8	20.1
7 30	21 58.31	−23 48.8	2.003	2.979	6.5	20.0
8 9	21 49.25	−24 21.9	1.997	2.998	3.9	19.8
8 19	21 39.71	−24 45.9	2.019	3.016	4.1	19.9
8 29	21 30.66	−24 57.4	2.069	3.033	6.9	20.1
9 8	21 22.98	−24 55.1	2.145	3.051	9.9	20.3
9 18	21 17.27	−24 39.6	2.244	3.067	12.6	20.5

249502 2009 YL_{16} 8 15.9 84°.63 5°.4/19.9 18

7 10	22 9.58	+ 0 26.9	1.836	2.631	16.6	19.8
7 20	22 4.63	+ 1 5.8	1.766	2.643	13.6	19.6
7 30	21 57.56	+ 1 27.4	1.717	2.656	10.3	19.5
8 9	21 49.00	+ 1 31.3	1.690	2.669	7.2	19.3
8 19	21 39.79	+ 1 18.6	1.690	2.681	5.4	19.2
8 29	21 30.93	+ 0 52.6	1.715	2.694	6.7	19.3
9 8	21 23.37	+ 0 18.3	1.767	2.706	9.6	19.5
9 18	21 17.81	− 0 19.1	1.842	2.719	12.6	19.7

259347 2003 GD_{24} 8 15.9 209°.99 3°.2/19.3 18

7 10	22 3.43	− 0 46.5	2.342	3.138	13.4	21.1
7 20	21 59.65	− 1 1.9	2.253	3.136	10.9	20.9
7 30	21 54.22	− 1 33.0	2.186	3.134	8.0	20.7
8 9	21 47.60	− 2 18.7	2.143	3.131	5.0	20.6
8 19	21 40.38	− 3 16.0	2.127	3.128	3.2	20.4
8 29	21 33.30	− 4 20.7	2.139	3.125	4.8	20.5
9 8	21 27.11	− 5 27.5	2.179	3.122	7.8	20.7
9 18	21 22.38	− 6 31.6	2.244	3.119	10.7	20.9

354592 2004 XS_{81} 8 16.0 227°.38 4°.8/11.3 18

7 10	22 8.08	−23 54.6	2.100	2.960	12.5	21.0
7 20	22 3.64	−25 14.6	2.022	2.952	9.7	20.8
7 30	21 57.06	−26 38.1	1.968	2.943	6.8	20.6
8 9	21 48.86	−27 58.0	1.940	2.933	4.9	20.5
8 19	21 39.82	−29 7.0	1.940	2.924	5.7	20.5
8 29	21 30.96	−29 59.4	1.966	2.914	8.4	20.7
9 8	21 23.25	−30 31.9	2.018	2.903	11.4	20.8
9 18	21 17.48	−30 44.4	2.092	2.892	14.2	21.0

432631 2010 VV_{123} 8 16.0 265°.80 0°.9/15.4 18

7 10	22 10.11	−13 47.9	1.603	2.457	16.0	22.1
7 20	22 5.79	−14 11.6	1.512	2.440	12.4	21.9
7 30	21 58.80	−14 46.8	1.442	2.422	8.2	21.6
8 9	21 49.71	−15 29.0	1.395	2.403	3.4	21.3
8 19	21 39.45	−16 12.4	1.374	2.384	2.1	21.1
8 29	21 29.28	−16 50.5	1.380	2.365	7.0	21.4
9 8	21 20.52	−17 18.1	1.410	2.346	11.8	21.6
9 18	21 14.15	−17 32.5	1.462	2.326	16.0	21.8

174364 Zakamska 8 16.0 0°.33 6°.8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 5.81	−27 0.1	1.642	2.520	14.5	19.8
7 20	22 2.40	−28 31.5	1.582	2.519	11.4	19.6
7 30	21 56.45	−30 3.7	1.545	2.518	8.4	19.4
8 9	21 48.64	−31 27.1	1.532	2.518	6.9	19.3
8 19	21 39.96	−32 32.9	1.543	2.518	7.9	19.4
8 29	21 31.64	−33 14.8	1.579	2.519	10.7	19.6
9 8	21 24.87	−33 30.6	1.638	2.520	13.8	19.8
9 18	21 20.48	−33 21.7	1.716	2.522	16.6	20.0

453257 2008 SE_{141} 8 16.0 303°.14 4°.7/20.6 17

7 10	22 3.24	+ 2 21.9	2.521	3.296	13.1	21.4
7 20	21 59.41	+ 2 42.6	2.428	3.290	10.9	21.2
7 30	21 54.03	+ 2 48.7	2.355	3.284	8.5	21.0
8 9	21 47.52	+ 2 40.2	2.307	3.278	6.1	20.9
8 19	21 40.44	+ 2 17.9	2.285	3.272	4.7	20.8
8 29	21 33.47	+ 1 44.4	2.291	3.266	5.5	20.8
9 8	21 27.31	+ 1 3.5	2.323	3.260	7.7	20.9
9 18	21 22.50	+ 0 19.2	2.381	3.255	10.2	21.1

476138 2007 TK_{251} 8 16.0 304°.73 2°.3/17.7 18

7 10	22 5.34	− 6 30.1	1.759	2.594	15.6	21.1
7 20	22 1.75	− 6 30.5	1.670	2.582	12.4	20.8
7 30	21 55.93	− 6 45.7	1.602	2.570	8.7	20.6
8 9	21 48.43	− 7 14.1	1.556	2.557	4.6	20.3
8 19	21 40.04	− 7 52.4	1.537	2.546	2.4	20.1
8 29	21 31.78	− 8 35.5	1.544	2.534	5.7	20.3
9 8	21 24.71	− 9 17.9	1.576	2.523	9.9	20.5
9 18	21 19.65	− 9 55.1	1.631	2.512	13.7	20.8

114904 2003 QX_{25} 8 16.0 226°.62 1°.1/16.7 18

7 10	22 11.59	−10 25.4	1.512	2.358	17.2	20.0
7 20	22 6.83	−10 20.3	1.434	2.355	13.4	19.7
7 30	21 59.38	−10 27.7	1.377	2.352	9.0	19.5
8 9	21 49.90	−10 44.9	1.342	2.348	4.2	19.2
8 19	21 39.43	−11 7.7	1.333	2.344	1.7	19.0
8 29	21 29.28	−11 31.0	1.351	2.340	6.5	19.3
9 8	21 20.71	−11 50.2	1.393	2.336	11.2	19.6
9 18	21 14.65	−12 2.0	1.457	2.332	15.4	19.8

506775 2006 XP_{22} 8 16.0 212°.23 1°.9/14.5 18

7 10	22 9.40	−15 34.7	1.895	2.744	14.1	22.7
7 20	22 4.73	−16 22.4	1.812	2.738	10.8	22.5
7 30	21 57.81	−17 19.4	1.753	2.732	7.0	22.2
8 9	21 49.21	−18 20.5	1.718	2.726	3.1	22.0
8 19	21 39.75	−19 19.2	1.711	2.718	2.7	21.9
8 29	21 30.49	−20 9.5	1.732	2.710	6.6	22.2
9 8	21 22.48	−20 47.1	1.779	2.702	10.6	22.4
9 18	21 16.51	−21 9.7	1.848	2.693	14.0	22.6

444120 2004 TW_{178} 8 16.0 10°.63 4°.2/12.8 18

7 10	22 8.33	−24 21.6	1.978	2.840	13.0	20.2
7 20	22 3.75	−24 55.1	1.911	2.841	10.0	20.0
7 30	21 57.03	−25 29.0	1.866	2.843	6.9	19.8
8 9	21 48.81	−25 57.6	1.847	2.845	4.5	19.7
8 19	21 39.95	−26 15.9	1.854	2.847	4.9	19.7
8 29	21 31.49	−26 20.1	1.887	2.849	7.6	19.9
9 8	21 24.35	−26 9.0	1.946	2.852	10.7	20.1
9 18	21 19.22	−25 43.4	2.027	2.855	13.6	20.3

164253 2004 TU_{232} 8 16.0 108°.56 4°.2/19.0 17

7 10	22 10.57	− 1 27.2	1.522	2.338	18.5	20.4
7 20	22 5.77	− 1 27.5	1.459	2.354	14.9	20.2
7 30	21 58.49	− 1 49.2	1.415	2.370	10.8	20.0
8 9	21 49.46	− 2 30.4	1.393	2.385	6.6	19.8
8 19	21 39.68	− 3 27.1	1.397	2.400	4.2	19.7
8 29	21 30.37	− 4 32.5	1.427	2.414	6.5	19.9
9 8	21 22.64	− 5 39.2	1.482	2.428	10.4	20.1
9 18	21 17.28	− 6 40.6	1.560	2.442	14.2	20.4

261762 2006 BP_{55} 8 16.0 187°.70 0°.8/16.9 18

7 10	22 2.73	− 7 30.7	2.501	3.324	11.9	20.5
7 20	21 59.02	− 8 13.0	2.416	3.324	9.2	20.3
7 30	21 53.78	− 9 7.3	2.355	3.324	6.2	20.1
8 9	21 47.43	−10 10.5	2.319	3.323	2.9	19.9
8 19	21 40.54	−11 18.6	2.312	3.323	1.1	19.8
8 29	21 33.79	−12 26.8	2.334	3.322	4.3	20.0
9 8	21 27.88	−13 30.4	2.384	3.321	7.5	20.2
9 18	21 23.34	−14 25.9	2.459	3.320	10.4	20.4

254980 2005 SW_{255} 8 16.0 285°.89 1°.7/17.6 18

7 10	22 3.82	− 6 17.7	2.128	2.953	13.6	20.8
7 20	22 0.16	− 6 37.4	2.040	2.947	10.7	20.6
7 30	21 54.67	− 7 10.8	1.975	2.941	7.4	20.4
8 9	21 47.85	− 7 55.7	1.934	2.935	3.8	20.1
8 19	21 40.36	− 8 48.2	1.920	2.930	1.8	20.0
8 29	21 33.02	− 9 43.6	1.934	2.924	4.9	20.2
9 8	21 26.66	−10 36.9	1.975	2.918	8.5	20.4
9 18	21 21.92	−11 23.8	2.040	2.913	11.7	20.6

155243 2005 WW_{25} 8 16.0 284°.38 0°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 5.57	−13 35.0	2.205	3.049	12.6	20.8
7 20	22 1.51	−13 55.8	2.113	3.035	9.7	20.6
7 30	21 55.57	−14 24.9	2.043	3.020	6.3	20.3
8 9	21 48.24	−14 58.9	1.999	3.006	2.6	20.1
8 19	21 40.20	−15 33.9	1.982	2.992	1.5	20.0
8 29	21 32.27	−16 5.5	1.993	2.978	5.3	20.2
9 8	21 25.33	−16 30.3	2.031	2.964	8.9	20.4
9 18	21 20.04	−16 46.0	2.093	2.949	12.1	20.6

374893 2006 WT_{88} 8 16.0 320°.18 3°.9/13.9 18

7 10	22 5.58	−19 21.3	1.163	2.054	18.2	20.8
7 20	22 3.37	−19 53.0	1.077	2.025	14.2	20.5
7 30	21 57.84	−20 34.4	1.009	1.996	9.5	20.1
8 9	21 49.53	−21 18.1	0.961	1.968	4.9	19.8
8 19	21 39.57	−21 55.1	0.936	1.941	5.1	19.7
8 29	21 29.63	−22 16.5	0.933	1.915	10.1	19.9
9 8	21 21.51	−22 16.8	0.951	1.890	15.6	20.1
9 18	21 16.54	−21 55.1	0.986	1.866	20.6	20.3

512191 2015 RO_{252} 8 16.0 0°.37 5°.6/10.6 18

7 10	22 4.66	−26 12.8	1.966	2.836	12.8	20.5
7 20	22 1.10	−27 31.4	1.902	2.835	9.9	20.3
7 30	21 55.42	−28 50.8	1.862	2.835	7.2	20.1
8 9	21 48.19	−30 3.5	1.846	2.835	5.7	20.0
8 19	21 40.24	−31 2.7	1.857	2.835	6.5	20.1
8 29	21 32.58	−31 42.9	1.894	2.836	9.0	20.3
9 8	21 26.18	−32 2.1	1.954	2.837	11.8	20.4
9 18	21 21.75	−32 0.7	2.035	2.838	14.4	20.6

443824 1999 WF_{14} 8 16.0 299°.51 0°.1/15.9 17

7 10	22 4.39	−11 46.2	2.110	2.953	13.1	21.5
7 20	22 0.77	−12 9.2	2.010	2.931	10.2	21.3
7 30	21 55.19	−12 42.6	1.931	2.908	6.7	21.1
8 9	21 48.13	−13 23.3	1.878	2.886	2.8	20.8
8 19	21 40.24	−14 7.3	1.852	2.863	1.3	20.6
8 29	21 32.40	−14 49.8	1.854	2.841	5.4	20.8
9 8	21 25.52	−15 26.3	1.882	2.819	9.2	21.0
9 18	21 20.32	−15 53.6	1.934	2.797	12.7	21.2

498064 2007 RJ_{109} 8 16.0 303°.86 2°.8/17.8 18

7 10	22 4.94	− 5 35.2	1.263	2.118	19.4	21.0
7 20	22 2.37	− 5 39.5	1.177	2.100	15.6	20.7
7 30	21 56.89	− 6 5.8	1.109	2.081	11.0	20.4
8 9	21 49.04	− 6 52.6	1.061	2.064	5.9	20.1
8 19	21 39.83	− 7 55.3	1.037	2.046	2.9	19.8
8 29	21 30.69	− 9 6.0	1.036	2.029	7.3	20.0
9 8	21 23.10	−10 15.3	1.058	2.013	12.7	20.3
9 18	21 18.23	−11 15.2	1.100	1.996	17.6	20.5

507151 2009 WL_{263} 8 16.0 197°.06 0°.3/15.8 17

7 10	22 8.28	−11 43.2	2.222	3.054	12.9	22.7
7 20	22 3.51	−12 19.2	2.136	3.051	9.9	22.5
7 30	21 56.84	−13 5.3	2.073	3.048	6.5	22.3
8 9	21 48.78	−13 57.8	2.036	3.043	2.7	22.0
8 19	21 40.03	−14 52.0	2.028	3.039	1.3	21.9
8 29	21 31.45	−15 43.1	2.049	3.033	5.2	22.2
9 8	21 23.89	−16 26.7	2.096	3.027	8.8	22.4
9 18	21 18.03	−17 0.1	2.169	3.020	12.0	22.6

267688 2002 VJ_{37} 8 16.0 258°.97 3°.3/13.4 18

7 10	22 9.01	−18 24.2	1.758	2.618	14.5	20.9
7 20	22 4.81	−19 25.1	1.668	2.600	11.2	20.7
7 30	21 58.11	−20 35.2	1.601	2.582	7.4	20.4
8 9	21 49.45	−21 47.9	1.559	2.564	3.9	20.2
8 19	21 39.71	−22 55.4	1.544	2.545	4.2	20.1
8 29	21 30.05	−23 50.5	1.555	2.526	8.0	20.3
9 8	21 21.68	−24 28.1	1.591	2.506	12.1	20.5
9 18	21 15.54	−24 46.5	1.648	2.486	15.8	20.7

116317 2003 YZ_{68} 8 16.0 330°.17 7°.1/ 9.5 18

7 10	22 6.57	−27 37.9	1.706	2.581	14.2	19.2
7 20	22 3.00	−29 18.1	1.643	2.577	11.2	19.0
7 30	21 56.90	−30 59.2	1.603	2.573	8.4	18.9
8 9	21 48.90	−32 31.6	1.587	2.570	7.1	18.8
8 19	21 39.97	−33 45.8	1.596	2.566	8.2	18.8
8 29	21 31.34	−34 35.4	1.631	2.563	10.9	19.0
9 8	21 24.21	−34 57.8	1.687	2.560	13.9	19.2
9 18	21 19.43	−34 54.5	1.763	2.558	16.7	19.4

323747 2005 MD_{54} 8 16.0 61°.77 0°.5/16.3 17

7 10	22 9.54	−10 32.5	1.371	2.228	18.0	20.9
7 20	22 5.20	−10 50.2	1.317	2.244	13.9	20.6
7 30	21 58.21	−11 22.3	1.283	2.261	9.1	20.4
8 9	21 49.38	−12 4.4	1.271	2.278	3.9	20.2
8 19	21 39.83	−12 50.1	1.284	2.295	1.5	20.0
8 29	21 30.88	−13 32.8	1.322	2.312	6.6	20.4
9 8	21 23.70	−14 7.0	1.385	2.329	11.2	20.7
9 18	21 19.06	−14 29.8	1.469	2.347	15.1	21.0

186999 2004 TN_{97} 8 16.0 31°.79 6°.1/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 8.84	−28 16.2	1.728	2.598	14.2	18.9
7 20	22 4.36	−29 5.9	1.681	2.612	11.1	18.7
7 30	21 57.49	−29 52.4	1.655	2.626	8.1	18.6
8 9	21 49.03	−30 28.5	1.653	2.642	6.2	18.5
8 19	21 39.99	−30 48.3	1.677	2.657	6.9	18.6
8 29	21 31.55	−30 48.3	1.726	2.673	9.3	18.7
9 8	21 24.73	−30 28.5	1.798	2.690	12.2	19.0
9 18	21 20.21	−29 50.9	1.892	2.707	14.9	19.2

513392 2008 HA_{58} 8 16.0 31°.32 2°.3/17.9 18

7 10	22 4.11	− 5 30.3	1.994	2.819	14.4	21.1
7 20	22 0.41	− 5 37.5	1.919	2.824	11.4	20.9
7 30	21 54.84	− 5 58.8	1.865	2.829	7.9	20.7
8 9	21 47.94	− 6 32.2	1.836	2.835	4.3	20.5
8 19	21 40.43	− 7 14.1	1.832	2.840	2.3	20.3
8 29	21 33.18	− 8 0.2	1.857	2.846	5.0	20.5
9 8	21 27.01	− 8 45.3	1.907	2.853	8.6	20.8
9 18	21 22.57	− 9 25.5	1.982	2.859	11.8	21.0

355554 2008 CH_{10} 8 16.0 53°.54 7°.9/12.0 18

7 10	22 23.27	−36 44.8	1.882	2.720	14.6	20.0
7 20	22 14.95	−37 4.5	1.842	2.745	11.9	19.8
7 30	22 4.06	−37 12.4	1.824	2.770	9.4	19.7
8 9	21 51.64	−37 1.6	1.832	2.795	8.0	19.7
8 19	21 38.97	−36 28.3	1.865	2.820	8.4	19.8
8 29	21 27.40	−35 32.5	1.925	2.846	10.2	19.9
9 8	21 17.99	−34 17.5	2.010	2.871	12.5	20.1
9 18	21 11.32	−32 48.7	2.117	2.897	14.7	20.4

445383 2010 RD_{101} 8 16.0 257°.58 4°.4/20.5 18

7 10	22 3.33	+ 2 13.7	2.348	3.129	13.8	21.7
7 20	21 59.64	+ 2 14.4	2.254	3.122	11.4	21.5
7 30	21 54.29	+ 1 58.3	2.180	3.114	8.8	21.4
8 9	21 47.72	+ 1 25.7	2.130	3.106	6.1	21.2
8 19	21 40.51	+ 0 38.4	2.106	3.099	4.5	21.1
8 29	21 33.41	− 0 19.9	2.110	3.091	5.4	21.1
9 8	21 27.15	− 1 24.2	2.141	3.083	8.0	21.3
9 18	21 22.36	− 2 29.3	2.198	3.075	10.8	21.4

348475 2005 SX_{112} 8 16.0 346°.25 5°.7/21.4 18

7 10	22 3.59	+ 4 32.4	2.128	2.903	15.2	20.3
7 20	21 59.97	+ 4 48.0	2.043	2.902	12.8	20.1
7 30	21 54.56	+ 4 44.7	1.977	2.901	10.1	19.9
8 9	21 47.84	+ 4 22.1	1.934	2.900	7.4	19.8
8 19	21 40.46	+ 3 41.4	1.916	2.899	5.8	19.7
8 29	21 33.25	+ 2 46.3	1.924	2.899	6.4	19.7
9 8	21 27.01	+ 1 42.1	1.959	2.898	8.8	19.9
9 18	21 22.38	+ 0 34.9	2.018	2.898	11.5	20.0

93117 2000 SM_{58} 8 16.0 31°.62 0°.3/16.2 18

7 10	22 6.86	−11 25.1	1.315	2.181	18.1	18.9
7 20	22 3.32	−11 37.7	1.259	2.191	14.0	18.7
7 30	21 57.08	−12 4.3	1.221	2.202	9.2	18.5
8 9	21 48.94	−12 40.3	1.206	2.214	3.9	18.2
8 19	21 40.02	−13 19.8	1.216	2.227	1.5	18.1
8 29	21 31.66	−13 56.3	1.249	2.240	6.8	18.4
9 8	21 25.04	−14 24.3	1.307	2.254	11.5	18.8
9 18	21 20.97	−14 40.8	1.385	2.268	15.5	19.0

431038 2006 AA_{95} 8 16.0 257°.85 2°.6/13.9 18

7 10	22 6.76	−16 31.4	1.730	2.592	14.7	20.8
7 20	22 2.94	−17 32.9	1.653	2.586	11.2	20.5
7 30	21 56.78	−18 44.5	1.598	2.580	7.3	20.3
8 9	21 48.85	−19 59.8	1.567	2.573	3.5	20.1
8 19	21 40.03	−21 11.3	1.563	2.567	3.5	20.1
8 29	21 31.42	−22 11.7	1.585	2.561	7.4	20.3
9 8	21 24.14	−22 56.1	1.632	2.554	11.4	20.5
9 18	21 19.00	−23 22.3	1.702	2.548	15.0	20.7

28087 1998 QH_{101} 8 16.0 217°.13 1°.1/15.3 18

7 10	22 9.68	−13 7.2	1.338	2.203	17.9	18.7
7 20	22 5.72	−13 45.0	1.268	2.201	13.8	18.4
7 30	21 58.85	−14 37.4	1.218	2.200	9.0	18.1
8 9	21 49.78	−15 38.3	1.190	2.198	3.7	17.8
8 19	21 39.64	−16 39.7	1.187	2.197	2.4	17.7
8 29	21 29.87	−17 33.4	1.209	2.195	7.7	18.1
9 8	21 21.85	−18 13.3	1.254	2.193	12.6	18.3
9 18	21 16.56	−18 36.4	1.320	2.191	17.0	18.6

516948 2012 BK_{142} 8 16.0 170°.88 5°.0/21.6 18

7 10	22 5.12	+ 5 41.7	2.973	3.714	12.0	22.5
7 20	22 0.58	+ 6 3.4	2.883	3.717	10.2	22.4
7 30	21 54.69	+ 6 11.1	2.814	3.720	8.1	22.3
8 9	21 47.82	+ 6 4.5	2.769	3.722	6.2	22.1
8 19	21 40.49	+ 5 44.4	2.751	3.724	5.0	22.1
8 29	21 33.29	+ 5 12.6	2.762	3.725	5.4	22.1
9 8	21 26.80	+ 4 32.5	2.800	3.726	7.0	22.2
9 18	21 21.50	+ 3 47.7	2.865	3.727	9.1	22.4

443097 2013 HY_{48} 8 16.0 325.°92 1.°9/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 4.25	− 7 8.2	2.055	2.884	13.9	21.3
7 20	22 0.57	− 7 8.8	1.967	2.877	11.0	21.0
7 30	21 55.00	− 7 21.6	1.902	2.869	7.6	20.8
8 9	21 48.04	− 7 44.8	1.860	2.861	4.0	20.6
8 19	21 40.39	− 8 15.7	1.845	2.854	2.0	20.4
8 29	21 32.91	− 8 50.0	1.858	2.848	5.0	20.6
9 8	21 26.44	− 9 23.7	1.896	2.841	8.7	20.8
9 18	21 21.67	− 9 52.9	1.959	2.835	12.0	21.0

216054 2006 PB_{13} 8 16.0 45.°15 2.°6/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.94	− 7 8.0	1.236	2.091	19.7	19.9
7 20	22 5.06	− 6 58.4	1.179	2.102	15.5	19.6
7 30	21 58.30	− 7 7.2	1.139	2.112	10.7	19.4
8 9	21 49.49	− 7 31.9	1.121	2.124	5.5	19.1
8 19	21 39.81	− 8 7.6	1.126	2.135	2.7	19.0
8 29	21 30.70	− 8 47.7	1.155	2.147	6.9	19.3
9 8	21 23.46	− 9 25.5	1.208	2.160	11.7	19.6
9 18	21 18.94	− 9 55.8	1.281	2.172	16.0	19.9

234889 2002 TB_{113} 8 16.0 282.°56 2.°2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.07	−19 11.8	2.534	3.383	10.9	20.6
7 20	22 0.89	−19 43.2	2.447	3.374	8.3	20.5
7 30	21 55.05	−20 18.3	2.385	3.364	5.4	20.3
8 9	21 48.03	−20 53.5	2.350	3.355	2.7	20.1
8 19	21 40.42	−21 24.7	2.342	3.345	2.8	20.1
8 29	21 32.97	−21 48.4	2.363	3.335	5.5	20.2
9 8	21 26.41	−22 2.1	2.410	3.326	8.5	20.4
9 18	21 21.34	−22 4.9	2.481	3.316	11.2	20.6

180468 2004 CS_{27} 8 16.0 113.°35 1.°3/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.94	−14 27.6	1.662	2.514	15.6	21.2
7 20	22 5.97	−15 3.7	1.600	2.527	11.9	21.0
7 30	21 58.60	−15 49.6	1.560	2.539	7.7	20.7
8 9	21 49.55	−16 39.5	1.544	2.551	3.2	20.5
8 19	21 39.80	−17 27.5	1.554	2.563	2.3	20.5
8 29	21 30.51	−18 7.6	1.592	2.575	6.6	20.8
9 8	21 22.76	−18 35.9	1.655	2.586	10.7	21.0
9 18	21 17.29	−18 50.6	1.740	2.596	14.2	21.3

257761 2000 BG_{37} 8 16.0 330.°46 1.°9/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.41	− 8 16.7	2.003	2.836	14.0	20.1
7 20	22 1.51	− 8 4.8	1.915	2.826	11.1	19.9
7 30	21 55.64	− 8 3.7	1.848	2.817	7.6	19.6
8 9	21 48.33	− 8 11.9	1.806	2.808	3.9	19.4
8 19	21 40.28	− 8 26.9	1.791	2.800	2.0	19.2
8 29	21 32.41	− 8 45.4	1.802	2.792	5.1	19.4
9 8	21 25.61	− 9 3.5	1.840	2.784	8.9	19.6
9 18	21 20.58	− 9 18.3	1.901	2.777	12.3	19.8

107268 2001 BS_{69} 8 16.0 110.°07 2.°1/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.09	−14 52.0	1.632	2.488	15.7	19.7
7 20	22 5.36	−15 54.7	1.574	2.503	11.9	19.5
7 30	21 58.23	−17 8.0	1.538	2.519	7.6	19.3
8 9	21 49.40	−18 24.8	1.526	2.533	3.3	19.1
8 19	21 39.86	−19 37.3	1.541	2.548	3.0	19.1
8 29	21 30.79	−20 38.5	1.583	2.562	7.1	19.4
9 8	21 23.26	−21 23.7	1.650	2.575	11.1	19.6
9 18	21 18.02	−21 51.5	1.740	2.588	14.6	19.9

154789 2004 PH_{60} 8 16.0 332.°62 2.°0/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 3.69	−16 38.2	1.755	2.621	14.3	20.0
7 20	22 0.58	−17 11.7	1.672	2.607	10.9	19.8
7 30	21 55.23	−17 53.4	1.610	2.593	7.1	19.5
8 9	21 48.21	−18 38.6	1.573	2.580	3.2	19.3
8 19	21 40.33	−19 21.5	1.561	2.568	2.9	19.2
8 29	21 32.64	−19 56.3	1.575	2.557	6.8	19.4
9 8	21 26.18	−20 18.9	1.614	2.546	10.9	19.6
9 18	21 21.76	−20 27.3	1.675	2.535	14.5	19.9

217655 1998 RW_{10} 8 16.0 64.°50 2.°1/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.33	− 5 10.0	1.439	2.281	18.1	20.0
7 20	22 2.75	− 5 38.7	1.376	2.292	14.3	19.8
7 30	21 56.67	− 6 27.9	1.332	2.302	9.8	19.6
8 9	21 48.79	− 7 33.8	1.310	2.313	5.0	19.3
8 19	21 40.12	− 8 50.2	1.314	2.323	2.3	19.2
8 29	21 31.86	−10 8.7	1.343	2.334	6.2	19.5
9 8	21 25.16	−11 21.4	1.396	2.345	10.7	19.8
9 18	21 20.80	−12 22.3	1.472	2.356	14.7	20.0

382487 2001 DQ_{58} 8 16.0 85.°16 3.°8/16.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 27.38	−12 0.1	1.022	1.875	23.1	20.0
7 20	22 19.93	−10 19.5	0.960	1.882	18.3	19.7
7 30	22 8.38	− 8 45.4	0.917	1.890	12.7	19.4
8 9	21 53.82	− 7 19.3	0.895	1.897	6.7	19.2
8 19	21 38.02	− 6 3.5	0.897	1.905	4.1	19.0
8 29	21 23.21	− 4 59.2	0.924	1.912	9.0	19.3
9 8	21 11.29	− 4 5.8	0.974	1.919	14.6	19.7
9 18	21 3.37	− 3 21.3	1.044	1.927	19.5	20.0

26846 1992 CG_3 8 16.0 258.°81 2.°2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 6.27	− 5 9.1	1.680	2.512	16.4	17.8
7 20	22 2.61	− 5 30.2	1.593	2.502	13.1	17.6
7 30	21 56.62	− 6 9.8	1.525	2.492	9.1	17.3
8 9	21 48.83	− 7 5.7	1.481	2.482	4.8	17.0
8 19	21 40.09	− 8 13.0	1.463	2.472	2.3	16.9
8 29	21 31.48	− 9 25.2	1.471	2.462	5.9	17.1
9 8	21 24.11	−10 34.9	1.505	2.451	10.3	17.3
9 18	21 18.86	−11 36.1	1.562	2.441	14.3	17.5

116172 2003 XE_3 8 16.0 223.°07 2.°5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.18	−20 23.8	2.886	3.734	9.8	20.3
7 20	22 0.04	−21 13.2	2.802	3.727	7.5	20.1
7 30	21 54.42	−22 5.9	2.743	3.721	4.9	20.0
8 9	21 47.76	−22 58.0	2.712	3.714	2.8	19.8
8 19	21 40.57	−23 45.3	2.709	3.706	3.1	19.8
8 29	21 33.52	−24 24.2	2.735	3.699	5.4	20.0
9 8	21 27.23	−24 52.4	2.788	3.691	8.0	20.1
9 18	21 22.25	−25 8.6	2.866	3.683	10.3	20.3

478665 2012 TN_{258} 8 16.0 346.°49 0.°1/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 1.04	−11 26.0	1.207	2.088	18.4	20.7
7 20	21 59.34	−11 45.4	1.135	2.076	14.3	20.4
7 30	21 54.83	−12 21.4	1.081	2.065	9.5	20.1
8 9	21 48.16	−13 9.8	1.048	2.056	4.0	19.7
8 19	21 40.38	−14 3.6	1.037	2.049	1.7	19.6
8 29	21 32.89	−14 54.5	1.050	2.042	7.4	19.9
9 8	21 27.06	−15 35.3	1.085	2.037	12.7	20.2
9 18	21 23.88	−16 1.3	1.139	2.034	17.3	20.4

222232 2000 GY_{117} 8 16.0 112.°17 2.°7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.80	−19 1.2	1.625	2.484	15.6	20.7
7 20	22 7.53	−19 25.8	1.560	2.491	11.9	20.5
7 30	21 59.69	−19 55.5	1.517	2.497	7.8	20.2
8 9	21 50.05	−20 24.5	1.498	2.504	3.7	20.0
8 19	21 39.64	−20 47.0	1.505	2.510	3.5	20.0
8 29	21 29.73	−20 58.3	1.539	2.516	7.4	20.3
9 8	21 21.47	−20 56.1	1.597	2.522	11.4	20.5
9 18	21 15.65	−20 40.6	1.678	2.528	14.9	20.8

209738 2005 ER_{183} 8 16.0 359.°06 0.°6/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.97	−10 11.5	1.794	2.639	14.9	21.0
7 20	22 2.12	−10 30.3	1.718	2.638	11.6	20.8
7 30	21 56.12	−11 1.6	1.663	2.638	7.7	20.6
8 9	21 48.56	−11 41.9	1.632	2.638	3.4	20.3
8 19	21 40.25	−12 26.5	1.627	2.638	1.3	20.1
8 29	21 32.20	−13 10.1	1.649	2.638	5.6	20.4
9 8	21 25.40	−13 47.8	1.697	2.638	9.7	20.7
9 18	21 20.58	−14 16.2	1.768	2.639	13.3	20.9

321438 2009 QC_{48} 8 16.0 326.°13 1.°9/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 1.92	− 4 10.7	2.280	3.097	13.1	20.1
7 20	21 58.60	− 4 44.0	2.193	3.093	10.4	19.9
7 30	21 53.64	− 5 32.2	2.128	3.090	7.3	19.7
8 9	21 47.47	− 6 33.1	2.088	3.087	3.9	19.5
8 19	21 40.71	− 7 42.7	2.076	3.084	2.0	19.4
8 29	21 34.09	− 8 55.8	2.092	3.082	4.5	19.5
9 8	21 28.36	−10 7.1	2.135	3.079	7.9	19.7
9 18	21 24.09	−11 11.8	2.203	3.076	11.0	19.9

136900 1998 HL_{49} 8 16.0 315.°21 19.°2/16.7 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 15.20	+ 9 25.3	1.028	1.824	26.7	19.9
7 20	22 13.55	+11 22.5	0.878	1.743	24.9	19.4
7 30	22 7.41	+13 11.9	0.739	1.658	22.5	18.8
8 9	21 55.47	+14 44.1	0.615	1.569	20.1	18.2
8 19	21 36.15	+15 42.2	0.506	1.476	19.3	17.6
8 29	21 8.21	+15 39.4	0.415	1.379	23.0	17.2
9 8	20 31.30	+14 2.8	0.342	1.278	32.7	16.9
9 18	19 46.08	+10 19.9	0.285	1.174	47.9	16.7

151274 2002 AE_{159} 8 16.0 249.°83 0.°6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.78	− 9 38.3	2.314	3.144	12.5	21.0
7 20	22 0.80	−10 2.7	2.224	3.136	9.7	20.8
7 30	21 55.08	−10 37.6	2.156	3.128	6.5	20.5
8 9	21 48.09	−11 20.5	2.114	3.120	2.9	20.3
8 19	21 40.46	−12 7.5	2.100	3.111	1.1	20.1
8 29	21 32.96	−12 54.3	2.115	3.103	4.7	20.4
9 8	21 26.36	−13 36.7	2.156	3.094	8.2	20.6
9 18	21 21.30	−14 11.5	2.222	3.085	11.3	20.8

268838 2006 WR_{103} 8 16.0 266.°74 1.°5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.87	−14 33.7	1.648	2.504	15.5	21.2
7 20	22 4.80	−15 10.6	1.559	2.488	12.0	21.0
7 30	21 58.17	−15 59.1	1.491	2.472	7.8	20.7
8 9	21 49.54	−16 54.0	1.447	2.455	3.3	20.4
8 19	21 39.81	−17 48.8	1.429	2.438	2.5	20.3
8 29	21 30.20	−18 36.5	1.437	2.420	7.1	20.5
9 8	21 21.92	−19 12.0	1.471	2.403	11.7	20.8
9 18	21 15.95	−19 32.2	1.526	2.385	15.7	21.0

34114 2000 PU_{26} 8 16.0 271°.58 4°.6/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 5.25	+ 0 46.5	2.231	3.019	14.2	18.5
7 20	22 1.21	+ 1 7.1	2.138	3.011	11.8	18.4
7 30	21 55.38	+ 1 12.3	2.066	3.003	9.0	18.2
8 9	21 48.23	+ 1 2.1	2.018	2.996	6.2	18.0
8 19	21 40.40	+ 0 37.7	1.996	2.988	4.6	17.9
8 29	21 32.68	+ 0 1.9	2.001	2.980	5.7	17.9
9 8	21 25.88	− 0 40.9	2.032	2.973	8.4	18.1
9 18	21 20.66	− 1 26.0	2.089	2.965	11.3	18.3

478534 2012 TP_{9} 8 16.0 280°.53 15°.3/ 1.8 18

7 10	22 38.23	−56 56.9	1.967	2.732	16.6	20.9
7 20	22 28.84	−58 17.8	1.906	2.708	15.8	20.8
7 30	22 14.51	−59 16.6	1.863	2.684	15.3	20.7
8 9	21 56.48	−59 40.3	1.840	2.660	15.5	20.7
8 19	21 37.01	−59 19.6	1.836	2.635	16.2	20.7
8 29	21 18.93	−58 12.3	1.852	2.611	17.4	20.7
9 8	21 4.54	−56 23.7	1.885	2.586	18.9	20.8
9 18	20 54.96	−54 3.4	1.935	2.561	20.4	20.9

199733 2006 HY_{109} 8 16.0 207°.79 7°.4/22.4 18

7 10	22 6.28	+ 7 38.1	2.001	2.757	16.6	20.1
7 20	22 2.21	+ 8 12.2	1.914	2.755	14.3	19.9
7 30	21 56.14	+ 8 25.3	1.846	2.753	11.6	19.7
8 9	21 48.58	+ 8 15.8	1.800	2.751	9.1	19.6
8 19	21 40.26	+ 7 43.8	1.778	2.748	7.5	19.5
8 29	21 32.08	+ 6 52.4	1.782	2.746	7.9	19.5
9 8	21 24.97	+ 5 47.1	1.812	2.743	9.9	19.6
9 18	21 19.64	+ 4 34.7	1.865	2.740	12.5	19.8

161011 2002 EU_{47} 8 16.0 240°.94 1°.1/17.2 18

7 10	22 4.58	− 7 51.1	2.474	3.295	12.1	21.4
7 20	22 0.54	− 8 12.0	2.380	3.286	9.5	21.2
7 30	21 54.87	− 8 43.9	2.308	3.276	6.4	21.0
8 9	21 48.00	− 9 24.5	2.263	3.266	3.1	20.8
8 19	21 40.52	−10 10.6	2.245	3.255	1.3	20.6
8 29	21 33.14	−10 58.2	2.256	3.245	4.4	20.8
9 8	21 26.59	−11 43.1	2.295	3.234	7.7	21.0
9 18	21 21.47	−12 22.2	2.359	3.223	10.7	21.2

225142 2008 FE_{107} 8 16.1 41°.21 0°.8/15.5 17

7 10	22 6.97	−12 24.4	1.266	2.137	18.4	20.6
7 20	22 3.51	−13 0.5	1.213	2.150	14.1	20.4
7 30	21 57.28	−13 51.1	1.180	2.163	9.1	20.1
8 9	21 49.09	−14 49.9	1.169	2.177	3.7	19.9
8 19	21 40.10	−15 49.0	1.181	2.192	2.1	19.8
8 29	21 31.71	−16 40.6	1.218	2.207	7.3	20.2
9 8	21 25.13	−17 18.9	1.279	2.222	12.0	20.5
9 18	21 21.19	−17 41.3	1.360	2.238	16.1	20.8

20227 1997 WS_{35} 8 16.1 63°.32 4°.7/12.7 18

7 10	22 9.85	−22 20.4	1.549	2.420	15.6	17.1
7 20	22 5.46	−23 18.7	1.491	2.427	11.9	16.9
7 30	21 58.45	−24 20.5	1.455	2.435	8.1	16.7
8 9	21 49.58	−25 17.9	1.443	2.443	5.0	16.6
8 19	21 39.92	−26 3.0	1.456	2.451	5.6	16.6
8 29	21 30.77	−26 30.2	1.494	2.459	8.9	16.8
9 8	21 23.31	−26 37.2	1.556	2.467	12.6	17.1
9 18	21 18.34	−26 25.0	1.639	2.475	15.9	17.3

371913 2008 DQ_{58} 8 16.1 162°.37 1°.2/17.1 17

7 10	22 8.17	− 6 13.3	1.824	2.651	15.5	22.2
7 20	22 3.77	− 6 58.9	1.747	2.656	12.1	22.0
7 30	21 57.21	− 8 1.7	1.692	2.661	8.2	21.7
8 9	21 49.05	− 9 17.9	1.661	2.665	3.9	21.5
8 19	21 40.13	−10 41.5	1.658	2.668	1.5	21.3
8 29	21 31.45	−12 5.1	1.682	2.671	5.5	21.6
9 8	21 24.02	−13 22.0	1.733	2.673	9.7	21.9
9 18	21 18.58	−14 27.2	1.808	2.675	13.3	22.1

253686 2003 UD_{234} 8 16.1 217°.46 1°.4/17.0 18

7 10	22 9.28	− 8 30.3	1.555	2.398	16.9	20.8
7 20	22 5.03	− 8 39.2	1.478	2.396	13.3	20.5
7 30	21 58.24	− 9 3.4	1.421	2.394	9.0	20.3
8 9	21 49.55	− 9 39.8	1.387	2.391	4.3	20.0
8 19	21 39.91	−10 23.7	1.378	2.389	1.8	19.8
8 29	21 30.55	−11 9.1	1.396	2.386	6.2	20.1
9 8	21 22.67	−11 50.0	1.438	2.383	10.8	20.4
9 18	21 17.13	−12 22.2	1.503	2.380	14.9	20.6

443076 2013 GP_{27} 8 16.1 213°.76 5°.0/11.3 18

7 10	22 7.73	−26 48.9	2.254	3.112	11.8	20.9
7 20	22 3.21	−27 48.0	2.185	3.111	9.2	20.8
7 30	21 56.71	−28 46.7	2.139	3.109	6.6	20.6
8 9	21 48.80	−29 38.9	2.120	3.108	5.1	20.5
8 19	21 40.25	−30 19.1	2.127	3.106	5.7	20.6
8 29	21 31.97	−30 43.1	2.161	3.104	8.0	20.7
9 8	21 24.84	−30 49.5	2.221	3.103	10.6	20.9
9 18	21 19.53	−30 38.6	2.302	3.101	13.1	21.0

147113 2002 TK_{70} 8 16.1 18°.60 3°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 7.19	− 5 10.6	1.245	2.096	19.8	19.2
7 20	22 3.81	− 4 43.9	1.181	2.099	15.9	18.9
7 30	21 57.60	− 4 36.6	1.135	2.104	11.3	18.7
8 9	21 49.30	− 4 47.6	1.110	2.109	6.6	18.4
8 19	21 40.04	− 5 13.9	1.108	2.115	4.0	18.3
8 29	21 31.24	− 5 49.5	1.130	2.121	7.1	18.5
9 8	21 24.21	− 6 27.5	1.174	2.128	11.8	18.8
9 18	21 19.85	− 7 1.8	1.240	2.136	16.0	19.1

117127 2004 PQ_{40} 8 16.1 286°.58 2°.6/18.3 18

7 10	22 5.52	− 5 2.9	2.243	3.056	13.4	19.8
7 20	22 1.38	− 4 55.2	2.154	3.051	10.7	19.6
7 30	21 55.48	− 4 59.6	2.087	3.046	7.6	19.4
8 9	21 48.29	− 5 15.0	2.045	3.041	4.4	19.2
8 19	21 40.46	− 5 39.1	2.030	3.036	2.6	19.0
8 29	21 32.79	− 6 8.8	2.043	3.031	4.8	19.2
9 8	21 26.07	− 6 40.0	2.083	3.026	8.1	19.4
9 18	21 20.93	− 7 9.2	2.147	3.021	11.2	19.6

513351 2007 VG_{203} 8 16.1 257°.62 0°.4/16.4 18

7 10	22 5.50	− 9 49.0	2.010	2.848	13.8	21.9
7 20	22 1.64	−10 18.9	1.923	2.840	10.8	21.7
7 30	21 55.79	−11 1.2	1.859	2.833	7.1	21.4
8 9	21 48.47	−11 52.6	1.819	2.826	3.1	21.2
8 19	21 40.39	−12 48.5	1.807	2.818	1.2	21.0
8 29	21 32.48	−13 43.4	1.822	2.810	5.3	21.3
9 8	21 25.62	−14 32.2	1.864	2.803	9.2	21.5
9 18	21 20.55	−15 11.4	1.929	2.795	12.6	21.7

474608 2004 RE_{327} 8 16.1 321°.69 5°.0/19.6 18

7 10	22 3.45	− 0 41.1	1.485	2.312	18.3	20.9
7 20	22 0.75	− 0 28.1	1.398	2.299	15.1	20.7
7 30	21 55.59	− 0 36.9	1.330	2.286	11.3	20.4
8 9	21 48.50	− 1 8.1	1.284	2.273	7.4	20.2
8 19	21 40.35	− 1 59.0	1.260	2.261	5.0	20.0
8 29	21 32.33	− 3 4.2	1.261	2.250	7.0	20.1
9 8	21 25.63	− 4 15.6	1.286	2.239	11.0	20.3
9 18	21 21.19	− 5 25.3	1.333	2.229	15.2	20.5

140696 2001 UV_{72} 8 16.1 149°.66 1°.6/14.7 18 R

7 10	22 6.56	−15 59.3	2.087	2.937	12.9	20.3
7 20	22 2.32	−16 36.2	2.012	2.938	9.9	20.1
7 30	21 56.14	−17 20.3	1.960	2.939	6.4	19.9
8 9	21 48.58	−18 7.0	1.933	2.940	2.8	19.7
8 19	21 40.37	−18 51.3	1.934	2.941	2.4	19.6
8 29	21 32.42	−19 28.7	1.963	2.942	5.9	19.9
9 8	21 25.59	−19 55.5	2.017	2.943	9.4	20.1
9 18	21 20.54	−20 10.2	2.096	2.944	12.5	20.3

190570 2000 SO_{203} 8 16.1 285°.61 1°.7/17.3 18

7 10	22 6.15	− 7 15.0	1.709	2.547	15.9	20.9
7 20	22 2.57	− 7 27.8	1.617	2.531	12.6	20.6
7 30	21 56.66	− 7 56.5	1.544	2.515	8.7	20.3
8 9	21 48.93	− 8 38.7	1.495	2.498	4.3	20.0
8 19	21 40.19	− 9 30.3	1.472	2.482	1.9	19.8
8 29	21 31.54	−10 25.5	1.475	2.465	5.9	20.1
9 8	21 24.08	−11 17.9	1.503	2.449	10.4	20.3
9 18	21 18.71	−12 2.5	1.554	2.432	14.4	20.5

194878 2002 AG_{69} 8 16.1 163°.30 0°.3/16.3 18

7 10	22 8.82	−10 57.5	2.018	2.853	13.9	21.7
7 20	22 4.06	−11 18.2	1.941	2.857	10.7	21.5
7 30	21 57.29	−11 49.4	1.886	2.860	7.1	21.3
8 9	21 49.07	−12 27.8	1.857	2.863	3.1	21.0
8 19	21 40.18	−13 8.9	1.855	2.866	1.2	20.9
8 29	21 31.56	−13 48.1	1.881	2.868	5.3	21.2
9 8	21 24.10	−14 21.3	1.933	2.870	9.1	21.4
9 18	21 18.50	−14 45.7	2.010	2.871	12.4	21.6

341070 2007 HR_{52} 8 16.1 88°.14 2°.3/18.1 17

7 10	22 6.86	− 4 11.0	1.741	2.565	16.2	21.2
7 20	22 2.73	− 4 38.0	1.676	2.581	12.8	21.0
7 30	21 56.47	− 5 22.9	1.632	2.596	8.9	20.8
8 9	21 48.73	− 6 22.6	1.611	2.611	4.8	20.6
8 19	21 40.34	− 7 31.9	1.617	2.626	2.4	20.5
8 29	21 32.32	− 8 44.3	1.650	2.640	5.5	20.7
9 8	21 25.62	− 9 53.1	1.709	2.655	9.4	21.0
9 18	21 20.92	−10 53.1	1.792	2.669	12.9	21.3

445386 2010 RG_{117} 8 16.1 256°.80 1°.5/17.6 18

7 10	22 3.60	− 6 13.7	2.381	3.200	12.5	21.9
7 20	21 59.89	− 6 41.0	2.287	3.190	9.9	21.7
7 30	21 54.51	− 7 21.2	2.215	3.180	6.8	21.4
8 9	21 47.90	− 8 12.1	2.169	3.170	3.5	21.2
8 19	21 40.66	− 9 10.1	2.150	3.160	1.5	21.1
8 29	21 33.52	−10 10.6	2.160	3.149	4.5	21.3
9 8	21 27.22	−11 8.8	2.197	3.139	7.8	21.4
9 18	21 22.37	−12 0.9	2.260	3.128	10.9	21.6

91256 1999 CX_{80} 8 16.1 165°.66 3°.2/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 10.79	− 4 25.3	1.599	2.423	17.4	18.5
7 20	22 6.07	− 4 22.3	1.523	2.426	13.9	18.2
7 30	21 58.87	− 4 37.0	1.467	2.429	9.9	18.0
8 9	21 49.82	− 5 7.8	1.434	2.431	5.6	17.8
8 19	21 39.87	− 5 50.9	1.427	2.433	3.2	17.6
8 29	21 30.24	− 6 40.8	1.446	2.435	6.2	17.8
9 8	21 22.07	− 7 31.0	1.490	2.436	10.5	18.1
9 18	21 16.20	− 8 16.2	1.558	2.437	14.4	18.3

376931 2002 CS_{118} 8 16.1 111°.09 10°.7/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 20.25	−46 22.2	2.297	3.110	13.1	20.3
7 20	22 13.25	−48 17.9	2.278	3.137	11.7	20.3
7 30	22 3.45	−49 57.6	2.282	3.162	10.8	20.3
8 9	21 51.68	−51 12.6	2.311	3.187	10.8	20.3
8 19	21 39.14	−51 57.5	2.363	3.211	11.5	20.4
8 29	21 27.27	−52 10.5	2.437	3.234	12.7	20.5
9 8	21 17.31	−51 54.2	2.531	3.256	14.0	20.7
9 18	21 10.10	−51 13.7	2.642	3.277	15.2	20.8

266082 2006 RR_{121} 8 16.1 252°.70 2°.3/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.30	−17 15.0	1.632	2.490	15.5	21.8
7 20	22 6.68	−17 45.9	1.548	2.478	12.0	21.5
7 30	21 59.41	−18 24.9	1.486	2.467	7.8	21.3
8 9	21 50.11	−19 6.4	1.448	2.455	3.6	21.0
8 19	21 39.75	−19 44.1	1.436	2.442	3.2	20.9
8 29	21 29.60	−20 11.8	1.450	2.430	7.5	21.2
9 8	21 20.93	−20 25.8	1.489	2.417	11.9	21.4
9 18	21 14.68	−20 24.7	1.549	2.403	15.8	21.6

448647 2010 VP_{101} 8 16.1 284°.44 1°.0/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.30	−14 34.2	2.254	3.099	12.3	22.1
7 20	22 1.34	−15 2.4	2.160	3.084	9.4	21.8
7 30	21 55.55	−15 38.5	2.090	3.068	6.1	21.6
8 9	21 48.38	−16 18.9	2.045	3.053	2.6	21.4
8 19	21 40.49	−16 59.3	2.028	3.037	1.8	21.3
8 29	21 32.71	−17 35.2	2.039	3.022	5.4	21.5
9 8	21 25.87	−18 3.1	2.076	3.006	8.9	21.7
9 18	21 20.65	−18 20.8	2.138	2.991	12.1	21.9

157046 2003 SY_{56} 8 16.1 297°.39 1°.8/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 3.36	− 6 18.4	2.296	3.118	12.8	20.2
7 20	21 59.77	− 6 30.6	2.202	3.106	10.2	20.0
7 30	21 54.47	− 6 55.2	2.130	3.095	7.1	19.8
8 9	21 47.91	− 7 30.4	2.083	3.083	3.7	19.6
8 19	21 40.69	− 8 13.1	2.063	3.072	1.8	19.4
8 29	21 33.58	− 8 59.3	2.071	3.060	4.6	19.6
9 8	21 27.34	− 9 44.6	2.106	3.049	8.0	19.8
9 18	21 22.60	−10 25.1	2.165	3.038	11.2	20.0

374037 2004 GO_{80} 8 16.1 196°.32 0°.6/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.60	−12 35.8	1.850	2.693	14.6	22.2
7 20	22 4.94	−13 11.8	1.769	2.691	11.3	22.0
7 30	21 58.03	−13 59.0	1.711	2.688	7.3	21.7
8 9	21 49.45	−14 53.0	1.678	2.686	3.0	21.5
8 19	21 40.05	−15 48.0	1.672	2.682	1.7	21.4
8 29	21 30.89	−16 38.2	1.694	2.678	6.0	21.7
9 8	21 22.98	−17 18.7	1.741	2.674	10.1	21.9
9 18	21 17.13	−17 46.8	1.812	2.669	13.7	22.1

157094 2004 HX_{10} 8 16.1 18°.91 0°.2/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.65	−12 53.0	0.901	1.796	21.9	19.1
7 20	22 4.21	−12 52.8	0.853	1.801	16.9	18.8
7 30	21 58.23	−13 8.7	0.820	1.807	11.1	18.5
8 9	21 49.66	−13 35.3	0.806	1.815	4.7	18.2
8 19	21 40.00	−14 5.2	0.813	1.825	2.0	18.1
8 29	21 31.11	−14 30.3	0.842	1.835	8.4	18.5
9 8	21 24.60	−14 44.7	0.890	1.847	14.2	18.9
9 18	21 21.43	−14 45.5	0.956	1.859	19.0	19.2

436563 2011 HJ_{31} 8 16.1 89°.48 0°.3/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.19	−10 29.4	1.690	2.536	15.7	21.6
7 20	22 3.89	−10 53.5	1.623	2.544	12.1	21.4
7 30	21 57.31	−11 30.4	1.577	2.553	8.0	21.2
8 9	21 49.12	−12 16.1	1.555	2.561	3.5	20.9
8 19	21 40.22	−13 5.1	1.559	2.570	1.3	20.8
8 29	21 31.68	−13 51.7	1.590	2.578	5.9	21.1
9 8	21 24.54	−14 30.9	1.646	2.587	10.0	21.4
9 18	21 19.53	−14 59.5	1.726	2.595	13.7	21.6

313292 2002 CN_{119} 8 16.1 249°.21 2°.0/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.02	− 7 42.1	1.607	2.442	16.8	21.4
7 20	22 6.51	− 7 41.7	1.515	2.428	13.4	21.1
7 30	21 59.36	− 7 56.3	1.443	2.413	9.3	20.8
8 9	21 50.13	− 8 24.0	1.395	2.397	4.7	20.5
8 19	21 39.74	− 9 1.0	1.372	2.381	2.2	20.3
8 29	21 29.44	− 9 41.8	1.375	2.365	6.4	20.5
9 8	21 20.50	−10 20.7	1.404	2.348	11.1	20.8
9 18	21 13.91	−10 52.8	1.455	2.331	15.4	21.0

51532 2001 FN_{130} 8 16.1 35°.12 3°.0/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 7.97	−19 11.8	1.739	2.603	14.5	18.8
7 20	22 3.78	−19 52.8	1.673	2.606	11.0	18.6
7 30	21 57.27	−20 39.5	1.628	2.609	7.2	18.4
8 9	21 49.11	−21 25.7	1.608	2.613	3.7	18.2
8 19	21 40.22	−22 5.4	1.614	2.617	3.8	18.2
8 29	21 31.71	−22 33.3	1.647	2.621	7.3	18.4
9 8	21 24.62	−22 46.5	1.704	2.626	11.0	18.6
9 18	21 19.68	−22 44.3	1.783	2.630	14.4	18.9

211383 2002 TC_{380} 8 16.1 267°.29 1°.5/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.68	− 7 23.0	1.976	2.806	14.3	21.4
7 20	22 1.80	− 7 38.3	1.889	2.800	11.3	21.2
7 30	21 55.92	− 8 7.3	1.825	2.793	7.7	21.0
8 9	21 48.56	− 8 47.3	1.784	2.787	3.8	20.7
8 19	21 40.45	− 9 34.6	1.771	2.781	1.7	20.6
8 29	21 32.51	−10 24.2	1.785	2.774	5.2	20.8
9 8	21 25.65	−11 10.9	1.825	2.768	9.0	21.0
9 18	21 20.58	−11 50.9	1.889	2.762	12.5	21.2

123075 2000 SA_{312} 8 16.1 303°.86 5°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.76	− 2 13.7	1.631	2.443	17.6	19.6
7 20	22 6.98	− 1 4.7	1.541	2.430	14.6	19.4
7 30	21 59.61	− 0 9.3	1.471	2.418	11.1	19.1
8 9	21 50.23	+ 0 30.7	1.423	2.406	7.6	18.9
8 19	21 39.74	+ 0 54.2	1.400	2.395	5.9	18.8
8 29	21 29.37	+ 1 2.4	1.404	2.383	7.7	18.9
9 8	21 20.36	+ 0 58.9	1.432	2.372	11.3	19.1
9 18	21 13.65	+ 0 48.3	1.482	2.361	15.0	19.3

206496 2003 UC_{95} 8 16.1 267°.42 2°.7/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.79	−18 50.7	1.888	2.745	13.8	20.7
7 20	22 4.38	−19 26.1	1.806	2.736	10.6	20.4
7 30	21 57.70	−20 7.2	1.746	2.726	6.9	20.2
8 9	21 49.34	−20 49.0	1.711	2.716	3.5	20.0
8 19	21 40.14	−21 25.5	1.703	2.707	3.4	20.0
8 29	21 31.16	−21 51.9	1.721	2.697	7.0	20.2
9 8	21 23.44	−22 4.8	1.766	2.687	10.8	20.4
9 18	21 17.78	−22 3.3	1.832	2.677	14.1	20.6

519807 2013 HM_{57} 8 16.1 25°.19 1°.6/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.17	−17 24.1	2.203	3.053	12.4	21.8
7 20	22 2.67	−17 44.4	2.128	3.054	9.4	21.6
7 30	21 56.33	−18 9.6	2.076	3.055	6.1	21.4
8 9	21 48.68	−18 35.8	2.050	3.056	2.7	21.2
8 19	21 40.45	−18 59.1	2.051	3.058	2.3	21.1
8 29	21 32.49	−19 15.7	2.080	3.059	5.6	21.4
9 8	21 25.62	−19 23.4	2.135	3.061	8.9	21.6
9 18	21 20.46	−19 20.9	2.215	3.063	11.9	21.8

393628 2004 GN_{49} 8 16.1 201°.15 4°.5/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.39	−25 22.8	2.093	2.949	12.7	21.5
7 20	22 5.34	−26 2.1	2.022	2.949	9.8	21.3
7 30	21 58.16	−26 41.2	1.975	2.948	6.8	21.1
8 9	21 49.47	−27 14.4	1.953	2.947	4.7	21.0
8 19	21 40.13	−27 36.4	1.958	2.947	5.2	21.0
8 29	21 31.12	−27 43.5	1.990	2.946	7.7	21.2
9 8	21 23.41	−27 34.5	2.047	2.945	10.7	21.4
9 18	21 17.69	−27 10.2	2.127	2.944	13.4	21.6

311962 2007 DT_{70} 8 16.1 188°.53 0°.2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.01	−12 11.1	2.647	3.478	11.1	22.2
7 20	22 0.74	−12 41.4	2.563	3.477	8.5	22.0
7 30	21 54.96	−13 19.6	2.502	3.477	5.5	21.8
8 9	21 48.09	−14 2.6	2.468	3.475	2.3	21.6
8 19	21 40.70	−14 46.8	2.463	3.474	1.1	21.5
8 29	21 33.46	−15 28.5	2.487	3.472	4.4	21.8
9 8	21 27.06	−16 4.4	2.539	3.470	7.5	22.0
9 18	21 22.01	−16 32.2	2.616	3.467	10.2	22.1

224952 2007 EN_{3} 8 16.1 172°.41 0°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.69	−11 17.9	1.848	2.687	14.8	21.1
7 20	22 4.95	−11 36.9	1.771	2.689	11.5	20.9
7 30	21 58.00	−12 7.0	1.716	2.691	7.5	20.7
8 9	21 49.45	−12 44.6	1.686	2.692	3.2	20.4
8 19	21 40.14	−13 25.0	1.682	2.693	1.3	20.3
8 29	21 31.11	−14 3.1	1.706	2.694	5.7	20.6
9 8	21 23.37	−14 34.5	1.756	2.694	9.7	20.8
9 18	21 17.66	−14 56.4	1.830	2.694	13.3	21.0

450537 2006 BW_{168} 8 16.1 235°.45 1°.4/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.95	−17 46.5	2.657	3.496	10.8	22.4
7 20	22 3.02	−18 1.0	2.568	3.488	8.3	22.2
7 30	21 56.46	−18 19.2	2.502	3.479	5.4	22.0
8 9	21 48.73	−18 37.8	2.464	3.471	2.4	21.8
8 19	21 40.44	−18 53.8	2.455	3.462	2.0	21.8
8 29	21 32.33	−19 4.3	2.475	3.453	4.9	22.0
9 8	21 25.09	−19 7.1	2.522	3.444	7.9	22.2
9 18	21 19.32	−19 1.5	2.595	3.434	10.6	22.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
20189 1997 BS_2			8 16.1 241°.08		1°.1/15.2 18	
	h m	° ′			°	m
7 10	22 9.23	−14 49.9	2.073	2.916	13.3	19.8
7 20	22 4.53	−15 16.3	1.982	2.904	10.2	19.6
7 30	21 57.73	−15 50.7	1.913	2.891	6.7	19.3
8 9	21 49.36	−16 29.3	1.871	2.878	2.8	19.0
8 19	21 40.16	−17 7.3	1.855	2.865	1.9	19.0
8 29	21 31.11	−17 40.0	1.868	2.851	5.8	19.2
9 8	21 23.15	−18 3.7	1.908	2.836	9.6	19.4
9 18	21 17.04	−18 16.4	1.971	2.821	13.0	19.6
7718 Desnoux			8 16.1 19°.07		6°.2/10.4 18	
7 10	22 5.69	−26 55.2	1.830	2.702	13.5	16.4
7 20	22 2.09	−28 18.0	1.773	2.706	10.5	16.2
7 30	21 56.22	−29 40.9	1.738	2.710	7.7	16.0
8 9	21 48.71	−30 55.6	1.728	2.714	6.2	15.9
8 19	21 40.46	−31 54.6	1.743	2.719	7.1	16.0
8 29	21 32.58	−32 32.6	1.784	2.724	9.6	16.2
9 8	21 26.08	−32 47.7	1.849	2.730	12.5	16.4
9 18	21 21.70	−32 40.9	1.933	2.736	15.1	16.6
491779 2012 WY_{15}			8 16.1 324°.00		4°.4/12.9 16	
7 10	22 2.95	−19 16.8	1.338	2.225	16.6	20.9
7 20	22 0.93	−20 18.6	1.252	2.199	12.8	20.6
7 30	21 56.06	−21 32.0	1.187	2.173	8.6	20.2
8 9	21 48.87	−22 48.9	1.143	2.148	4.9	20.0
8 19	21 40.33	−23 59.6	1.123	2.124	5.5	19.9
8 29	21 31.85	−24 54.3	1.126	2.101	9.9	20.1
9 8	21 24.92	−25 26.6	1.151	2.078	14.6	20.3
9 18	21 20.66	−25 34.4	1.195	2.058	18.9	20.5
346641 2008 XD_{12}			8 16.1 173°.37		0°.3/16.3 17	R
7 10	22 6.60	− 9 54.8	2.031	2.866	13.8	21.7
7 20	22 2.41	−10 30.0	1.952	2.868	10.7	21.5
7 30	21 56.27	−11 17.4	1.895	2.869	7.1	21.3
8 9	21 48.71	−12 13.3	1.864	2.870	3.1	21.1
8 19	21 40.47	−13 12.7	1.860	2.871	1.2	20.9
8 29	21 32.45	−14 10.2	1.883	2.871	5.2	21.2
9 8	21 25.52	−15 0.9	1.934	2.871	9.0	21.4
9 18	21 20.37	−15 41.3	2.009	2.871	12.3	21.6
72528 2001 DH_{95}			8 16.1 123°.67		1°.1/17.2 18	
7 10	22 5.73	− 5 50.9	2.007	2.830	14.4	19.8
7 20	22 1.70	− 6 42.7	1.933	2.840	11.2	19.6
7 30	21 55.78	− 7 50.7	1.881	2.849	7.6	19.4
8 9	21 48.49	− 9 10.9	1.855	2.858	3.6	19.2
8 19	21 40.57	−10 37.5	1.856	2.867	1.4	19.0
8 29	21 32.90	−12 4.0	1.886	2.875	5.0	19.3
9 8	21 26.33	−13 23.8	1.943	2.884	8.8	19.5
9 18	21 21.51	−14 32.5	2.025	2.891	12.1	19.8
348110 2003 YV_{112}			8 16.1 321°.49		3°.5/13.9 18	
7 10	22 6.20	−19 31.2	1.467	2.344	16.0	20.1
7 20	22 3.15	−20 4.7	1.381	2.321	12.4	19.9
7 30	21 57.34	−20 45.5	1.315	2.299	8.2	19.6
8 9	21 49.36	−21 27.3	1.272	2.277	4.3	19.3
8 19	21 40.17	−22 2.8	1.253	2.257	4.4	19.2
8 29	21 31.12	−22 25.3	1.258	2.236	8.6	19.4
9 8	21 23.57	−22 30.6	1.287	2.217	13.1	19.6
9 18	21 18.57	−22 17.7	1.335	2.199	17.3	19.8
301978 2000 HE_{81}			8 16.1 2°.06		4°.3/12.6 18	
7 10	22 5.01	−20 56.7	1.635	2.510	14.7	20.1
7 20	22 1.75	−22 1.6	1.570	2.509	11.2	19.9
7 30	21 56.10	−23 12.1	1.526	2.508	7.5	19.7
8 9	21 48.70	−24 20.9	1.507	2.509	4.6	19.5
8 19	21 40.49	−25 20.0	1.513	2.510	5.2	19.5
8 29	21 32.62	−26 3.1	1.544	2.511	8.5	19.7
9 8	21 26.18	−26 26.6	1.599	2.513	12.2	20.0
9 18	21 21.96	−26 30.2	1.675	2.516	15.4	20.2
428551 2008 CQ_{64}			8 16.1 277°.80		1°.9/17.2 17	
7 10	22 9.56	− 8 18.5	1.507	2.351	17.3	21.9
7 20	22 5.57	− 8 13.0	1.417	2.334	13.8	21.6
7 30	21 58.86	− 8 22.4	1.345	2.318	9.5	21.3
8 9	21 49.99	− 8 44.8	1.297	2.301	4.8	21.0
8 19	21 39.91	− 9 16.5	1.274	2.284	2.2	20.8
8 29	21 29.92	− 9 52.1	1.276	2.266	6.6	21.0
9 8	21 21.33	−10 25.7	1.302	2.249	11.5	21.2
9 18	21 15.20	−10 52.5	1.350	2.232	16.0	21.5
31028 Cerulli			8 16.1 280°.62		0°.7/15.6 18	
7 10	22 7.62	−11 43.4	1.377	2.240	17.6	18.9
7 20	22 4.33	−12 22.6	1.292	2.224	13.7	18.6
7 30	21 58.18	−13 18.9	1.227	2.209	9.1	18.3
8 9	21 49.75	−14 27.2	1.185	2.193	3.8	17.9
8 19	21 40.02	−15 39.8	1.166	2.177	2.0	17.8
8 29	21 30.39	−16 47.7	1.173	2.161	7.6	18.1
9 8	21 22.31	−17 43.3	1.203	2.145	12.8	18.3
9 18	21 16.86	−18 21.7	1.254	2.129	17.4	18.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
61897 2000 QY_{227}			8 16.1 341°.31		1°.4/15.3 18	
	h m	° ′			°	m
7 10	22 6.30	−15 14.7	1.344	2.219	17.3	19.4
7 20	22 3.21	−15 31.7	1.271	2.210	13.3	19.1
7 30	21 57.32	−15 59.3	1.218	2.202	8.7	18.8
8 9	21 49.31	−16 32.3	1.186	2.195	3.7	18.5
8 19	21 40.25	−17 4.6	1.179	2.189	2.5	18.4
8 29	21 31.51	−17 29.6	1.196	2.183	7.5	18.7
9 8	21 24.44	−17 42.6	1.236	2.178	12.4	19.0
9 18	21 19.97	−17 41.7	1.296	2.175	16.7	19.2
25267 1998 VH_{21}			8 16.1 23°.34		2°.9/13.9 18	
7 10	22 8.72	−19 27.3	1.814	2.675	14.1	18.4
7 20	22 4.30	−20 2.5	1.744	2.676	10.8	18.2
7 30	21 57.62	−20 42.6	1.696	2.677	7.1	18.0
8 9	21 49.32	−21 22.1	1.673	2.678	3.6	17.8
8 19	21 40.28	−21 55.3	1.676	2.679	3.6	17.8
8 29	21 31.58	−22 17.4	1.706	2.681	7.1	18.0
9 8	21 24.26	−22 25.6	1.761	2.682	10.8	18.2
9 18	21 19.04	−22 19.6	1.838	2.684	14.0	18.5
243717 2000 GN_{146}			8 16.1 18°.79		0°.1/16.1 17	
7 10	22 3.67	−11 7.1	0.910	1.805	21.7	20.3
7 20	22 1.88	−11 26.3	0.863	1.811	16.8	20.1
7 30	21 56.71	−12 5.5	0.831	1.818	11.1	19.8
8 9	21 49.08	−12 58.4	0.818	1.827	4.7	19.5
8 19	21 40.39	−13 55.8	0.827	1.838	1.9	19.3
8 29	21 32.40	−14 47.9	0.856	1.850	8.2	19.8
9 8	21 26.65	−15 26.6	0.906	1.863	13.9	20.1
9 18	21 24.07	−15 47.9	0.973	1.877	18.7	20.5
487988 2015 TO_{326}			8 16.1 292°.42		4°.8/11.1 18	
7 10	22 5.71	−25 11.3	2.227	3.089	11.8	20.6
7 20	22 1.89	−26 20.0	2.140	3.069	9.2	20.4
7 30	21 56.06	−27 31.3	2.076	3.050	6.6	20.2
8 9	21 48.70	−28 38.7	2.039	3.030	4.9	20.1
8 19	21 40.51	−29 36.0	2.028	3.010	5.7	20.1
8 29	21 32.42	−30 17.8	2.044	2.990	8.2	20.2
9 8	21 25.34	−30 41.1	2.085	2.970	11.1	20.3
9 18	21 20.05	−30 45.5	2.147	2.951	13.8	20.5
170893 2004 TC_{54}			8 16.1 61°.74		4°.8/13.3 18	
7 10	22 12.27	−21 19.3	1.266	2.144	17.9	20.0
7 20	22 7.88	−22 9.9	1.210	2.150	13.7	19.8
7 30	22 0.35	−23 5.8	1.174	2.157	9.2	19.5
8 9	21 50.55	−23 57.9	1.160	2.164	5.3	19.3
8 19	21 39.80	−24 37.3	1.171	2.170	5.7	19.4
8 29	21 29.68	−24 57.5	1.205	2.177	9.7	19.6
9 8	21 21.64	−24 56.2	1.262	2.184	14.0	19.9
9 18	21 16.58	−24 34.7	1.338	2.191	17.8	20.2
161353 2003 SV_{142}			8 16.1 304°.73		1°.0/16.9 18	
7 10	22 3.80	− 7 53.9	1.672	2.518	15.8	19.8
7 20	22 0.88	− 8 24.7	1.578	2.498	12.5	19.5
7 30	21 55.65	− 9 13.0	1.504	2.478	8.5	19.2
8 9	21 48.61	−10 15.6	1.454	2.459	4.0	18.9
8 19	21 40.54	−11 27.3	1.429	2.440	1.4	18.7
8 29	21 32.51	−12 40.9	1.430	2.421	6.0	19.0
9 8	21 25.65	−13 49.0	1.457	2.402	10.7	19.2
9 18	21 20.86	−14 46.0	1.505	2.384	14.8	19.4
257801 2000 EC_{66}			8 16.1 157°.65		3°.0/13.9 17	
7 10	22 12.59	−19 38.9	1.882	2.733	14.1	21.3
7 20	22 7.16	−20 18.6	1.813	2.739	10.7	21.1
7 30	21 59.44	−21 3.0	1.766	2.745	7.1	20.8
8 9	21 50.08	−21 46.1	1.745	2.750	3.7	20.7
8 19	21 39.99	−22 22.2	1.752	2.754	3.7	20.7
8 29	21 30.29	−22 46.5	1.786	2.758	7.1	20.9
9 8	21 22.00	−22 56.5	1.846	2.761	10.7	21.1
9 18	21 15.87	−22 52.0	1.928	2.764	13.9	21.3
165976 2001 YP_{27}			8 16.1 98°.91		3°.2/14.0 18	
7 10	22 11.44	−17 27.2	1.375	2.244	17.3	19.7
7 20	22 6.95	−18 22.7	1.318	2.254	13.2	19.4
7 30	21 59.61	−19 27.5	1.281	2.263	8.6	19.2
8 9	21 50.21	−20 33.5	1.267	2.273	4.2	19.0
8 19	21 39.94	−21 32.2	1.278	2.283	4.1	19.0
8 29	21 30.21	−22 16.1	1.315	2.292	8.4	19.3
9 8	21 22.34	−22 41.3	1.375	2.301	12.8	19.6
9 18	21 17.18	−22 47.2	1.455	2.310	16.6	19.8
491926 2013 CV_{85}			8 16.1 251°.10		2°.2/14.3 18	
7 10	22 10.09	−19 1.8	2.236	3.082	12.3	21.8
7 20	22 5.08	−19 26.9	2.143	3.067	9.5	21.6
7 30	21 58.05	−19 56.2	2.074	3.052	6.2	21.4
8 9	21 49.52	−20 25.6	2.031	3.036	3.0	21.2
8 19	21 40.20	−20 50.6	2.016	3.020	2.9	21.1
8 29	21 31.03	−21 7.1	2.029	3.003	6.1	21.3
9 8	21 22.92	−21 12.7	2.068	2.987	9.6	21.5
9 18	21 16.59	−21 6.5	2.132	2.969	12.7	21.7

120838 1998 KN_{31} 8 16.1 80°.95 3°.1/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 9.14	−18 13.6	1.733	2.593	14.7	20.3
7 20	22 4.55	−19 18.0	1.681	2.613	11.1	20.1
7 30	21 57.71	−20 28.9	1.652	2.633	7.2	19.9
8 9	21 49.32	−21 39.0	1.647	2.652	3.7	19.8
8 19	21 40.33	−22 41.3	1.670	2.672	3.9	19.8
8 29	21 31.82	−23 29.9	1.719	2.691	7.3	20.1
9 8	21 24.79	−24 1.6	1.794	2.710	10.9	20.3
9 18	21 19.91	−24 15.8	1.890	2.729	14.0	20.6

446142 2013 EN_{80} 8 16.1 4°.47 5°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.71	−28 27.9	1.929	2.790	13.4	20.5
7 20	22 5.79	−29 5.3	1.864	2.790	10.5	20.3
7 30	21 58.55	−29 39.8	1.821	2.790	7.7	20.2
8 9	21 49.70	−30 5.0	1.803	2.791	5.8	20.1
8 19	21 40.17	−30 15.5	1.811	2.792	6.3	20.1
8 29	21 31.08	−30 8.0	1.845	2.793	8.8	20.3
9 8	21 23.46	−29 42.1	1.904	2.795	11.7	20.4
9 18	21 18.03	−28 59.7	1.984	2.797	14.4	20.6

174818 2003 YH_{14} 8 16.1 177°.24 5°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.42	−24 24.2	1.667	2.532	15.0	20.4
7 20	22 7.48	−25 32.8	1.602	2.533	11.6	20.2
7 30	21 59.89	−26 43.8	1.559	2.534	8.1	20.0
8 9	21 50.34	−27 48.6	1.540	2.535	5.7	19.8
8 19	21 39.89	−28 39.3	1.547	2.535	6.4	19.9
8 29	21 29.84	−29 9.7	1.580	2.535	9.5	20.0
9 8	21 21.42	−29 17.8	1.637	2.534	12.9	20.2
9 18	21 15.49	−29 4.8	1.715	2.533	16.1	20.5

184019 2004 FM_{35} 8 16.1 248°.84 4°.3/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.30	+ 3 1.2	2.355	3.129	13.9	20.9
7 20	22 0.53	+ 2 43.9	2.250	3.114	11.6	20.7
7 30	21 55.04	+ 2 8.0	2.166	3.099	8.9	20.5
8 9	21 48.24	+ 1 13.7	2.107	3.084	6.1	20.3
8 19	21 40.73	+ 0 3.4	2.074	3.068	4.3	20.2
8 29	21 33.25	− 1 18.5	2.069	3.051	5.4	20.2
9 8	21 26.58	− 2 46.0	2.092	3.035	8.1	20.4
9 18	21 21.38	− 4 13.0	2.141	3.017	11.1	20.5

254272 2004 RN_{192} 8 16.1 277°.66 5°.1/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 3.18	+ 4 52.0	2.490	3.252	13.6	20.8
7 20	21 59.62	+ 4 52.4	2.378	3.230	11.5	20.6
7 30	21 54.43	+ 4 35.2	2.287	3.207	9.1	20.4
8 9	21 47.99	+ 4 0.0	2.219	3.185	6.7	20.2
8 19	21 40.84	+ 3 7.9	2.178	3.162	5.1	20.1
8 29	21 33.68	+ 2 2.1	2.164	3.139	5.8	20.1
9 8	21 27.25	+ 0 47.6	2.177	3.116	8.0	20.2
9 18	21 22.18	− 0 30.1	2.216	3.093	10.8	20.4

280040 2001 YF_{138} 8 16.1 116°.54 5°.8/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 15.56	−28 34.4	1.981	2.833	13.5	20.4
7 20	22 9.29	−29 26.1	1.929	2.850	10.5	20.3
7 30	22 0.70	−30 14.5	1.900	2.866	7.7	20.1
8 9	21 50.56	−30 52.6	1.897	2.882	5.9	20.1
8 19	21 39.85	−31 14.8	1.921	2.897	6.4	20.1
8 29	21 29.73	−31 17.8	1.971	2.912	8.8	20.3
9 8	21 21.20	−31 1.6	2.047	2.927	11.5	20.5
9 18	21 14.95	−30 28.4	2.144	2.941	14.0	20.7

167778 2005 AG_{16} 8 16.1 80°.59 7°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 17.11	+ 1 59.5	1.881	2.651	17.1	19.5
7 20	22 10.53	+ 3 31.4	1.805	2.661	14.4	19.3
7 30	22 1.62	+ 4 48.6	1.751	2.671	11.3	19.1
8 9	21 51.02	+ 5 48.0	1.720	2.681	8.6	19.0
8 19	21 39.63	+ 6 27.7	1.716	2.691	7.2	19.0
8 29	21 28.58	+ 6 48.3	1.740	2.701	8.2	19.0
9 8	21 18.90	+ 6 52.8	1.790	2.711	10.6	19.2
9 18	21 11.40	+ 6 46.0	1.864	2.721	13.3	19.4

83402 2001 SC_{33} 8 16.1 39°.46 0°.5/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.62	− 9 56.5	1.958	2.797	14.1	19.1
7 20	22 1.72	−10 19.3	1.882	2.800	10.9	18.9
7 30	21 55.86	−10 53.8	1.828	2.802	7.2	18.7
8 9	21 48.58	−11 36.8	1.798	2.804	3.2	18.4
8 19	21 40.63	−12 23.8	1.795	2.806	1.2	18.3
8 29	21 32.94	−13 9.8	1.820	2.809	5.2	18.6
9 8	21 26.37	−13 50.1	1.871	2.811	9.0	18.8
9 18	21 21.61	−14 21.6	1.946	2.814	12.4	19.0

520467 2014 KV_{108} 8 16.1 151°.04 5°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.47	−26 29.8	2.337	3.194	11.5	21.5
7 20	22 2.98	−27 41.8	2.272	3.198	8.9	21.3
7 30	21 56.60	−28 53.9	2.232	3.202	6.5	21.2
8 9	21 48.87	−29 59.6	2.219	3.205	5.0	21.1
8 19	21 40.52	−30 53.4	2.232	3.209	5.7	21.1
8 29	21 32.43	−31 30.7	2.273	3.212	7.9	21.3
9 8	21 25.43	−31 49.9	2.339	3.215	10.4	21.4
9 18	21 20.18	−31 51.3	2.427	3.217	12.7	21.6

139125 2001 FE_{65} 8 16.1 111°.65 2°.6/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 11.14	−16 49.8	1.620	2.478	15.6	19.9
7 20	22 6.29	−17 44.6	1.561	2.492	11.9	19.7
7 30	21 58.97	−18 47.9	1.524	2.505	7.7	19.5
8 9	21 49.91	−19 52.6	1.511	2.518	3.6	19.2
8 19	21 40.11	−20 51.5	1.525	2.530	3.5	19.3
8 29	21 30.79	−21 38.1	1.566	2.542	7.4	19.5
9 8	21 23.06	−22 8.6	1.631	2.554	11.4	19.8
9 18	21 17.68	−22 22.0	1.718	2.565	14.8	20.0

426118 2012 FQ_{68} 8 16.1 269°.21 2°.3/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.74	−14 54.4	1.456	2.323	16.6	21.6
7 20	22 4.21	−15 54.4	1.380	2.315	12.8	21.4
7 30	21 57.97	−17 8.2	1.325	2.308	8.3	21.1
8 9	21 49.63	−18 28.8	1.293	2.300	3.7	20.8
8 19	21 40.19	−19 47.3	1.286	2.293	3.4	20.8
8 29	21 30.98	−20 54.8	1.304	2.285	8.0	21.0
9 8	21 23.31	−21 45.0	1.347	2.277	12.7	21.3
9 18	21 18.17	−22 15.1	1.410	2.270	16.7	21.5

369683 2012 AX_{17} 8 16.1 113°.17 3°.5/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 22.90	− 8 23.2	1.590	2.406	17.9	21.0
7 20	22 15.21	− 7 17.0	1.521	2.419	14.2	20.8
7 30	22 4.75	− 6 20.5	1.472	2.433	9.9	20.6
8 9	21 52.34	− 5 33.9	1.449	2.446	5.6	20.4
8 19	21 39.15	− 4 57.0	1.453	2.459	3.5	20.3
8 29	21 26.57	− 4 28.6	1.486	2.471	6.7	20.5
9 8	21 15.86	− 4 6.5	1.546	2.483	10.9	20.8
9 18	21 7.85	− 3 48.0	1.629	2.494	14.6	21.1

326163 2012 BR_{91} 8 16.1 166°.72 0°.4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.48	−13 55.9	2.682	3.515	10.9	22.0
7 20	22 1.84	−14 12.8	2.602	3.517	8.3	21.8
7 30	21 55.67	−14 35.7	2.545	3.520	5.4	21.6
8 9	21 48.45	−15 1.7	2.515	3.522	2.2	21.4
8 19	21 40.73	−15 27.8	2.513	3.524	1.2	21.3
8 29	21 33.22	−15 50.9	2.541	3.525	4.4	21.5
9 8	21 26.56	−16 8.4	2.597	3.526	7.4	21.7
9 18	21 21.29	−16 18.9	2.678	3.528	10.0	21.9

237373 1995 QE_{8} 8 16.1 221°.96 4°.9/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.56	+ 3 54.5	2.365	3.129	14.2	21.8
7 20	22 2.24	+ 3 55.8	2.264	3.119	11.9	21.6
7 30	21 56.15	+ 3 39.3	2.184	3.108	9.2	21.4
8 9	21 48.74	+ 3 5.0	2.127	3.097	6.6	21.2
8 19	21 40.61	+ 2 14.3	2.097	3.085	5.0	21.1
8 29	21 32.53	+ 1 10.7	2.096	3.072	5.8	21.1
9 8	21 25.31	− 0 0.3	2.121	3.059	8.3	21.2
9 18	21 19.59	− 1 13.3	2.173	3.045	11.1	21.4

55544 2001 XW_{24} 8 16.1 214°.10 7°.4/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.09	−29 40.5	1.875	2.739	13.6	19.2
7 20	22 5.68	−31 22.5	1.810	2.735	10.9	19.1
7 30	21 58.74	−33 3.7	1.769	2.731	8.4	18.9
8 9	21 49.91	−34 34.6	1.752	2.726	7.4	18.8
8 19	21 40.13	−35 46.5	1.762	2.722	8.4	18.9
8 29	21 30.61	−36 33.3	1.797	2.717	10.8	19.0
9 8	21 22.52	−36 53.2	1.855	2.712	13.6	19.2
9 18	21 16.76	−36 47.8	1.933	2.706	16.1	19.4

282039 1998 QJ_{89} 8 16.1 339°.24 10°.8/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 1.34	+ 4 48.9	1.260	2.080	21.4	19.1
7 20	21 59.68	+ 6 27.0	1.174	2.057	18.6	18.9
7 30	21 55.27	+ 7 44.2	1.104	2.035	15.5	18.6
8 9	21 48.62	+ 8 34.4	1.053	2.015	12.6	18.4
8 19	21 40.61	+ 8 53.4	1.021	1.996	10.9	18.2
8 29	21 32.59	+ 8 40.9	1.011	1.980	11.5	18.2
9 8	21 26.00	+ 8 2.3	1.020	1.965	14.2	18.3
9 18	21 21.99	+ 7 6.2	1.049	1.952	17.7	18.5

514355 2016 QO 8 16.1 286°.72 3°.6/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.25	− 0 7.5	1.765	2.576	16.5	21.6
7 20	22 1.21	− 0 41.1	1.657	2.550	13.6	21.3
7 30	21 55.92	− 1 39.0	1.569	2.523	10.0	21.0
8 9	21 48.79	− 3 0.6	1.504	2.497	6.1	20.7
8 19	21 40.55	− 4 41.9	1.464	2.469	3.6	20.5
8 29	21 32.21	− 6 35.4	1.452	2.442	6.0	20.6
9 8	21 24.87	− 8 31.5	1.466	2.415	10.3	20.8
9 18	21 19.50	−10 21.2	1.504	2.387	14.5	21.0

512137 2015 PX_{60} 8 16.1 301°.04 2°.5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.10	−16 42.4	2.017	2.875	13.0	20.5
7 20	22 0.69	−17 50.9	1.936	2.867	9.9	20.3
7 30	21 55.30	−19 8.7	1.878	2.860	6.4	20.0
8 9	21 48.41	−20 29.7	1.846	2.852	3.2	19.8
8 19	21 40.76	−21 47.3	1.841	2.844	3.4	19.8
8 29	21 33.26	−22 54.9	1.864	2.837	6.7	20.0
9 8	21 26.82	−23 47.9	1.912	2.829	10.3	20.2
9 18	21 22.17	−24 23.8	1.983	2.822	13.4	20.4

120677 1997 AW_{20} 8 16.1 57°.43 1°.5/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 11.20	− 9 16.4	1.127	1.991	20.6	19.4
7 20	22 7.09	− 9 16.9	1.074	2.004	16.1	19.1
7 30	21 59.85	− 9 35.4	1.040	2.018	10.8	18.9
8 9	21 50.38	−10 7.7	1.026	2.032	5.0	18.6
8 19	21 40.01	−10 47.5	1.036	2.047	1.9	18.5
8 29	21 30.34	−11 27.4	1.069	2.061	7.3	18.8
9 8	21 22.77	−12 0.9	1.125	2.076	12.5	19.2
9 18	21 18.19	−12 23.7	1.201	2.091	16.9	19.5

426585 2013 SS_{28} 8 16.1 338°.59 4°.2/13.9 17

7 10	22 10.18	−21 23.9	1.258	2.140	17.7	20.5
7 20	22 6.49	−21 48.7	1.190	2.132	13.7	20.2
7 30	21 59.63	−22 17.8	1.141	2.125	9.2	19.9
8 9	21 50.38	−22 43.9	1.113	2.118	5.0	19.7
8 19	21 39.97	−22 59.4	1.109	2.112	5.1	19.7
8 29	21 30.03	−22 58.4	1.129	2.107	9.4	19.9
9 8	21 22.06	−22 38.8	1.170	2.102	14.0	20.2
9 18	21 17.06	−22 1.8	1.232	2.099	18.2	20.4

500848 2013 HC_{64} 8 16.1 143°.48 1°.7/15.2 17

7 10	22 13.08	−15 46.2	1.311	2.177	18.1	22.3
7 20	22 8.45	−16 6.6	1.245	2.178	14.0	22.1
7 30	22 0.77	−16 37.0	1.198	2.180	9.1	21.8
8 9	21 50.82	−17 11.6	1.173	2.181	3.9	21.5
8 19	21 39.81	−17 43.4	1.173	2.182	2.8	21.4
8 29	21 29.29	−18 6.0	1.198	2.183	7.9	21.7
9 8	21 20.70	−18 15.3	1.246	2.184	12.8	22.0
9 18	21 14.98	−18 10.3	1.315	2.185	17.1	22.3

171725 2000 WW_{15} 8 16.1 208°.70 4°.1/13.0 18

7 10	22 11.71	−20 40.8	1.657	2.519	15.2	20.4
7 20	22 7.00	−21 42.5	1.584	2.516	11.7	20.2
7 30	21 59.65	−22 50.4	1.532	2.511	7.8	20.0
8 9	21 50.32	−23 56.9	1.505	2.507	4.6	19.8
8 19	21 40.01	−24 54.1	1.504	2.502	5.0	19.8
8 29	21 29.99	−25 35.0	1.529	2.496	8.6	20.0
9 8	21 21.51	−25 56.3	1.579	2.490	12.5	20.2
9 18	21 15.45	−25 57.8	1.650	2.483	15.9	20.4

346554 2008 UK_{338} 8 16.1 160°.58 3°.5/18.9 18

7 10	22 8.43	− 2 55.2	2.032	2.837	14.8	21.0
7 20	22 3.81	− 2 42.9	1.951	2.840	12.0	20.8
7 30	21 57.21	− 2 45.2	1.891	2.843	8.7	20.6
8 9	21 49.19	− 3 1.3	1.855	2.845	5.4	20.5
8 19	21 40.49	− 3 29.0	1.845	2.848	3.5	20.3
8 29	21 32.01	− 4 4.5	1.863	2.850	5.4	20.5
9 8	21 24.64	− 4 43.2	1.908	2.851	8.7	20.7
9 18	21 19.06	− 5 20.8	1.978	2.852	11.9	20.9

304714 2006 XB_{3} 8 16.1 273°.89 0°.5/15.7 18

7 10	22 6.44	−13 9.0	2.103	2.946	13.1	21.3
7 20	22 2.32	−13 31.2	2.018	2.940	10.1	21.1
7 30	21 56.27	−14 2.3	1.956	2.933	6.6	20.9
8 9	21 48.81	−14 38.6	1.920	2.927	2.8	20.6
8 19	21 40.65	−15 16.1	1.910	2.921	1.4	20.5
8 29	21 32.67	−15 50.2	1.929	2.914	5.3	20.8
9 8	21 25.75	−16 17.2	1.973	2.908	9.0	21.0
9 18	21 20.56	−16 34.7	2.042	2.901	12.3	21.2

511297 2014 DK_{67} 8 16.1 241°.02 0°.6/16.7 18

7 10	22 4.64	− 7 30.0	1.987	2.819	14.2	21.5
7 20	22 1.06	− 8 21.3	1.902	2.815	11.1	21.3
7 30	21 55.52	− 9 28.3	1.838	2.810	7.4	21.1
8 9	21 48.52	−10 47.4	1.800	2.805	3.4	20.8
8 19	21 40.76	−12 12.7	1.789	2.800	1.2	20.7
8 29	21 33.15	−13 37.5	1.806	2.795	5.3	20.9
9 8	21 26.58	−14 55.3	1.850	2.789	9.2	21.2
9 18	21 21.76	−16 1.2	1.918	2.784	12.7	21.4

301549 2009 FV_{75} 8 16.1 320°.22 2°.8/13.9 18

7 10	22 6.50	−18 27.1	1.754	2.619	14.3	20.1
7 20	22 2.82	−19 8.2	1.676	2.610	11.0	19.9
7 30	21 56.83	−19 56.2	1.619	2.601	7.2	19.7
8 9	21 49.11	−20 45.5	1.587	2.593	3.6	19.4
8 19	21 40.53	−21 29.8	1.581	2.585	3.6	19.4
8 29	21 32.19	−22 3.3	1.601	2.577	7.3	19.6
9 8	21 25.15	−22 22.4	1.646	2.570	11.2	19.8
9 18	21 20.23	−22 25.7	1.712	2.563	14.7	20.0

133599 2003 UX_{88} 8 16.1 328°.45 3°.1/18.8 18

7 10	22 1.24	− 2 11.1	1.544	2.379	17.4	18.9
7 20	21 59.02	− 2 41.1	1.457	2.366	14.1	18.7
7 30	21 54.49	− 3 34.9	1.389	2.353	10.1	18.4
8 9	21 48.18	− 4 50.7	1.344	2.342	5.8	18.2
8 19	21 40.89	− 6 23.3	1.323	2.330	3.1	18.0
8 29	21 33.72	− 8 4.2	1.327	2.320	6.1	18.1
9 8	21 27.78	− 9 44.1	1.357	2.310	10.6	18.3
9 18	21 23.95	−11 14.4	1.408	2.301	14.7	18.6

383309 2006 HW_{29} 8 16.1 32°.30 3°.4/13.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 3.65	−15 50.5	1.408	2.285	16.5	19.5
7 20	22 0.93	−17 25.1	1.355	2.296	12.5	19.3
7 30	21 55.68	−19 12.0	1.323	2.308	8.0	19.1
8 9	21 48.62	−21 1.8	1.315	2.321	4.0	18.9
8 19	21 40.76	−22 43.7	1.332	2.334	4.5	19.0
8 29	21 33.34	−24 8.4	1.374	2.349	8.5	19.2
9 8	21 27.50	−25 10.2	1.440	2.363	12.6	19.5
9 18	21 24.03	−25 47.7	1.527	2.378	16.1	19.8

285409 1999 UF_{32} 8 16.1 189°.47 1°.1/15.2 18 R

7 10	22 8.53	−14 33.5	2.162	3.003	12.9	22.2
7 20	22 3.85	−15 6.7	2.082	3.003	9.9	22.0
7 30	21 57.23	−15 47.8	2.024	3.002	6.4	21.8
8 9	21 49.21	−16 32.8	1.993	3.000	2.7	21.6
8 19	21 40.52	−17 16.8	1.989	2.998	1.9	21.5
8 29	21 32.04	−17 55.4	2.014	2.996	5.5	21.7
9 8	21 24.65	−18 24.9	2.066	2.993	9.1	22.0
9 18	21 19.00	−18 43.3	2.141	2.990	12.2	22.2

253539 2003 SX_{223} 8 16.1 292°.35 2°.7/14.5 18 R

7 10	22 9.14	−16 50.9	1.400	2.271	16.9	20.6
7 20	22 5.65	−17 28.1	1.311	2.248	13.2	20.3
7 30	21 59.19	−18 16.6	1.242	2.226	8.7	20.0
8 9	21 50.32	−19 10.3	1.196	2.203	4.0	19.7
8 19	21 40.03	−20 1.1	1.174	2.180	3.7	19.6
8 29	21 29.80	−20 41.0	1.176	2.158	8.5	19.8
9 8	21 21.12	−21 4.3	1.202	2.135	13.6	20.0
9 18	21 15.17	−21 8.8	1.247	2.113	18.1	20.2

305443 2008 CW_{192} 8 16.1 234°.63 0°.3/16.4 18

7 10	22 5.59	−10 34.4	2.221	3.055	12.8	21.5
7 20	22 1.56	−11 0.8	2.135	3.051	9.9	21.3
7 30	21 55.73	−11 37.6	2.073	3.046	6.6	21.1
8 9	21 48.59	−12 21.7	2.036	3.042	2.9	20.9
8 19	21 40.79	−13 9.0	2.026	3.037	1.1	20.7
8 29	21 33.16	−13 55.0	2.045	3.032	4.9	21.0
9 8	21 26.50	−14 35.4	2.091	3.027	8.4	21.2
9 18	21 21.45	−15 7.4	2.161	3.022	11.6	21.4

107248 2001 BC_{59} 8 16.1 120°.31 1°.1/16.9 17

7 10	22 10.93	− 8 55.2	1.626	2.464	16.5	20.3
7 20	22 6.12	− 9 9.7	1.558	2.474	12.9	20.1
7 30	21 58.91	− 9 38.3	1.512	2.484	8.6	19.9
8 9	21 49.97	−10 17.7	1.489	2.494	4.0	19.6
8 19	21 40.27	−11 2.7	1.492	2.503	1.5	19.5
8 29	21 30.98	−11 47.4	1.522	2.512	5.9	19.8
9 8	21 23.17	−12 26.7	1.578	2.521	10.2	20.1
9 18	21 17.64	−12 56.8	1.657	2.529	14.0	20.3

489363 2006 UY_{167} 8 16.1 330°.02 1°.5/14.9 18

7 10	22 5.48	−14 59.0	1.834	2.691	14.1	21.1
7 20	22 1.89	−15 36.5	1.756	2.685	10.8	20.8
7 30	21 56.15	−16 23.3	1.699	2.680	7.0	20.6
8 9	21 48.83	−17 14.7	1.668	2.675	3.0	20.4
8 19	21 40.72	−18 5.0	1.662	2.671	2.3	20.3
8 29	21 32.85	−18 48.4	1.684	2.666	6.3	20.5
9 8	21 26.18	−19 20.7	1.731	2.662	10.2	20.8
9 18	21 21.46	−19 39.5	1.800	2.659	13.7	21.0

513839 2013 FV_{24} 8 16.1 48°.37 3°.3/19.5 18

7 10	22 3.11	− 1 1.6	2.178	2.980	14.1	21.0
7 20	21 59.61	− 1 16.2	2.100	2.986	11.4	20.8
7 30	21 54.42	− 1 47.2	2.043	2.993	8.3	20.6
8 9	21 48.03	− 2 33.1	2.010	2.999	5.2	20.4
8 19	21 41.07	− 3 30.7	2.004	3.006	3.3	20.3
8 29	21 34.32	− 4 35.3	2.025	3.013	4.9	20.4
9 8	21 28.52	− 5 41.4	2.074	3.020	7.9	20.6
9 18	21 24.27	− 6 44.1	2.147	3.027	10.9	20.8

437041 2012 TT_{316} 8 16.1 324°.84 3°.6/13.3 18

7 10	22 0.92	−16 12.8	1.308	2.194	16.9	20.0
7 20	21 59.44	−17 29.3	1.221	2.167	13.1	19.7
7 30	21 55.19	−19 3.0	1.154	2.142	8.6	19.4
8 9	21 48.65	−20 46.1	1.109	2.116	4.4	19.0
8 19	21 40.76	−22 27.6	1.088	2.092	4.9	19.0
8 29	21 32.88	−23 55.9	1.091	2.069	9.6	19.2
9 8	21 26.47	−25 1.9	1.116	2.047	14.6	19.4
9 18	21 22.71	−25 41.3	1.159	2.027	19.1	19.6

250948 2006 BD_{39} 8 16.1 293°.25 2°.7/13.2 18

7 10	22 3.40	−16 54.5	2.202	3.058	12.2	20.1
7 20	22 0.09	−18 15.5	2.114	3.044	9.3	19.9
7 30	21 54.91	−19 45.9	2.049	3.030	6.0	19.6
8 9	21 48.31	−21 20.0	2.011	3.016	3.1	19.4
8 19	21 40.95	−22 50.9	2.002	3.003	3.5	19.4
8 29	21 33.65	−24 11.9	2.020	2.989	6.7	19.6
9 8	21 27.28	−25 17.9	2.065	2.976	10.0	19.8
9 18	21 22.53	−26 6.4	2.133	2.962	13.0	20.0

399955 2006 AU_{94} 8 16.1 333°.47 0°.3/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 7.10	−12 20.0	2.086	2.926	13.3	20.8
7 20	22 2.82	−12 17.8	2.002	2.921	10.3	20.6
7 30	21 56.61	−12 23.5	1.941	2.915	6.8	20.4
8 9	21 48.99	−12 34.6	1.904	2.911	3.0	20.1
8 19	21 40.70	−12 48.1	1.895	2.906	1.1	20.0
8 29	21 32.63	−13 0.6	1.913	2.902	5.1	20.2
9 8	21 25.64	−13 9.1	1.958	2.898	8.8	20.5
9 18	21 20.40	−13 11.6	2.027	2.894	12.0	20.7

187440 2005 WG_{81} 8 16.1 359°.43 4°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.24	−24 59.1	2.046	2.911	12.6	19.9
7 20	22 2.33	−26 3.2	1.979	2.910	9.7	19.7
7 30	21 56.36	−27 8.6	1.935	2.910	6.9	19.6
8 9	21 48.90	−28 8.7	1.917	2.910	5.0	19.5
8 19	21 40.75	−28 57.3	1.925	2.910	5.7	19.5
8 29	21 32.88	−29 29.6	1.959	2.910	8.2	19.7
9 8	21 26.21	−29 43.4	2.018	2.911	11.1	19.8
9 18	21 21.45	−29 38.9	2.099	2.911	13.7	20.0

339335 2004 YL_{4} 8 16.1 314°.11 9°.5/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.19	+ 5 34.1	1.512	2.306	19.6	20.3
7 20	22 2.40	+ 6 46.1	1.411	2.277	17.0	20.0
7 30	21 56.99	+ 7 37.9	1.326	2.249	14.1	19.8
8 9	21 49.41	+ 8 4.9	1.262	2.221	11.3	19.5
8 19	21 40.46	+ 8 3.9	1.219	2.193	9.6	19.4
8 29	21 31.32	+ 7 35.5	1.198	2.166	10.3	19.3
9 8	21 23.35	+ 6 44.8	1.200	2.140	13.0	19.4
9 18	21 17.68	+ 5 39.7	1.223	2.114	16.6	19.6

31092 1997 CW_{5} 8 16.1 247°.81 1°.8/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.51	−18 19.9	2.284	3.129	12.1	19.0
7 20	22 4.54	−18 35.1	2.198	3.121	9.3	18.8
7 30	21 57.68	−18 54.3	2.136	3.114	6.1	18.6
8 9	21 49.44	−19 13.6	2.100	3.107	2.8	18.4
8 19	21 40.54	−19 29.4	2.092	3.099	2.4	18.3
8 29	21 31.85	−19 38.2	2.113	3.091	5.6	18.5
9 8	21 24.22	−19 37.9	2.160	3.083	9.0	18.7
9 18	21 18.31	−19 27.8	2.232	3.075	12.0	18.9

424635 2008 KN_{41} 8 16.1 68°.90 0°.8/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.24	− 9 27.0	1.473	2.322	17.4	21.5
7 20	22 4.98	− 9 47.3	1.415	2.337	13.5	21.3
7 30	21 58.22	−10 22.8	1.376	2.352	8.9	21.1
8 9	21 49.70	−11 8.9	1.361	2.367	4.0	20.8
8 19	21 40.46	−11 59.8	1.371	2.382	1.4	20.7
8 29	21 31.71	−12 49.0	1.407	2.397	6.2	21.0
9 8	21 24.58	−13 30.7	1.468	2.412	10.7	21.3
9 18	21 19.83	−14 1.3	1.551	2.428	14.5	21.6

178334 1995 SF_{43} 8 16.1 73°.40 1°.3/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.25	−13 43.8	1.402	2.264	17.4	20.4
7 20	22 5.90	−14 24.9	1.348	2.280	13.3	20.2
7 30	21 58.88	−15 18.1	1.314	2.295	8.6	20.0
8 9	21 50.00	−16 16.9	1.303	2.311	3.6	19.7
8 19	21 40.35	−17 13.7	1.317	2.327	2.4	19.7
8 29	21 31.28	−18 1.6	1.357	2.342	7.1	20.0
9 8	21 23.96	−18 35.6	1.421	2.358	11.6	20.3
9 18	21 19.18	−18 53.8	1.507	2.373	15.5	20.6

224755 2006 DX_{156} 8 16.1 220°.22 0°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 3.80	−10 32.5	2.626	3.455	11.2	21.0
7 20	21 59.93	−11 5.7	2.539	3.452	8.7	20.8
7 30	21 54.56	−11 48.0	2.475	3.448	5.7	20.6
8 9	21 48.10	−12 36.5	2.437	3.443	2.5	20.4
8 19	21 41.10	−13 27.8	2.428	3.439	0.9	20.3
8 29	21 34.23	−14 17.6	2.448	3.435	4.3	20.5
9 8	21 28.15	−15 2.4	2.496	3.430	7.4	20.7
9 18	21 23.40	−15 39.4	2.569	3.425	10.2	20.9

11242 Franspost 8 16.1 79°.16 1°.5/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.37	− 6 22.0	1.395	2.241	18.3	18.9
7 20	22 3.82	− 6 57.5	1.328	2.248	14.4	18.7
7 30	21 57.64	− 7 53.6	1.281	2.254	9.8	18.4
8 9	21 49.54	− 9 6.1	1.257	2.261	4.7	18.2
8 19	21 40.53	−10 27.7	1.257	2.268	1.8	18.0
8 29	21 31.90	−11 49.7	1.283	2.275	6.4	18.3
9 8	21 24.86	−13 3.7	1.333	2.281	11.2	18.6
9 18	21 20.28	−14 3.9	1.406	2.288	15.4	18.9

384515 2010 CY_{180} 8 16.2 163°.85 1°.5/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.38	−15 42.5	2.142	2.985	12.9	22.5
7 20	22 4.51	−16 19.3	2.067	2.989	9.9	22.3
7 30	21 57.68	−17 3.1	2.016	2.993	6.4	22.1
8 9	21 49.45	−17 49.6	1.990	2.997	2.8	21.9
8 19	21 40.59	−18 33.7	1.992	3.000	2.2	21.8
8 29	21 31.99	−19 10.9	2.023	3.002	5.7	22.1
9 8	21 24.52	−19 37.9	2.080	3.005	9.2	22.3
9 18	21 18.84	−19 53.0	2.162	3.006	12.3	22.5

398882 2013 CU_{81} 8 16.2 64°.36 3°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 3.93	− 0 45.9	2.101	2.903	14.5	21.2
7 20	22 0.33	− 0 59.2	2.022	2.908	11.8	21.1
7 30	21 54.96	− 1 29.7	1.963	2.913	8.6	20.9
8 9	21 48.31	− 2 16.0	1.929	2.918	5.4	20.7
8 19	21 41.05	− 3 14.7	1.921	2.923	3.5	20.6
8 29	21 34.00	− 4 21.1	1.941	2.928	5.1	20.7
9 8	21 27.94	− 5 29.3	1.987	2.933	8.2	20.9
9 18	21 23.50	− 6 34.1	2.058	2.939	11.3	21.1

62398 2000 SR_{170} 8 16.2 291°.30 4°.7/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.66	−25 28.6	2.085	2.944	12.6	18.9
7 20	22 4.24	−26 15.3	2.004	2.933	9.8	18.7
7 30	21 57.67	−27 2.6	1.947	2.921	6.9	18.5
8 9	21 49.50	−27 44.6	1.915	2.909	4.9	18.3
8 19	21 40.56	−28 15.5	1.910	2.897	5.4	18.4
8 29	21 31.84	−28 30.9	1.932	2.886	8.1	18.5
9 8	21 24.32	−28 29.0	1.978	2.874	11.1	18.7
9 18	21 18.75	−28 10.1	2.046	2.863	13.9	18.8

56593 2000 JS_{38} 8 16.2 330°.51 10°.3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.93	−37 1.4	1.649	2.515	15.0	18.0
7 20	22 6.12	−38 30.1	1.588	2.503	12.7	17.8
7 30	21 59.34	−39 50.7	1.548	2.492	10.9	17.7
8 9	21 50.32	−40 52.6	1.530	2.481	10.4	17.7
8 19	21 40.23	−41 27.2	1.535	2.471	11.4	17.7
8 29	21 30.57	−41 29.6	1.563	2.461	13.5	17.8
9 8	21 22.73	−41 0.2	1.611	2.452	16.0	18.0
9 18	21 17.67	−40 3.1	1.676	2.444	18.5	18.1

388962 2008 TG_{87} 8 16.2 274°.57 1°.1/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.11	−14 47.0	1.819	2.669	14.5	22.0
7 20	22 4.85	−15 9.6	1.727	2.653	11.2	21.8
7 30	21 58.24	−15 41.3	1.657	2.636	7.4	21.5
8 9	21 49.82	−16 17.9	1.611	2.619	3.1	21.2
8 19	21 40.42	−16 54.4	1.592	2.602	2.0	21.1
8 29	21 31.13	−17 25.3	1.600	2.584	6.4	21.4
9 8	21 23.05	−17 46.6	1.634	2.567	10.6	21.6
9 18	21 17.07	−17 55.9	1.690	2.549	14.4	21.8

98166 2000 ST_{85} 8 16.2 221°.38 5°.4/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.28	−23 5.9	1.477	2.348	16.2	19.5
7 20	22 7.77	−24 8.7	1.410	2.345	12.5	19.2
7 30	22 0.34	−25 15.8	1.364	2.343	8.6	19.0
8 9	21 50.73	−26 18.2	1.341	2.340	5.7	18.8
8 19	21 40.07	−27 7.1	1.344	2.337	6.3	18.9
8 29	21 29.82	−27 35.5	1.371	2.333	9.8	19.1
9 8	21 21.34	−27 41.0	1.421	2.330	13.7	19.3
9 18	21 15.59	−27 24.7	1.492	2.326	17.3	19.5

57050 2001 LF_{11} 8 16.2 321°.71 14°.0/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.75	−38 41.1	1.440	2.319	16.1	17.2
7 20	22 3.49	−42 30.1	1.365	2.278	14.5	17.0
7 30	21 58.70	−46 21.4	1.314	2.238	14.1	16.8
8 9	21 50.57	−49 55.5	1.288	2.198	15.2	16.8
8 19	21 39.93	−52 53.3	1.285	2.159	17.6	16.8
8 29	21 28.58	−55 1.4	1.302	2.121	20.5	16.9
9 8	21 18.82	−56 15.8	1.334	2.084	23.3	17.0
9 18	21 12.69	−56 40.3	1.378	2.047	25.8	17.1

399011 2013 GF_{19} 8 16.2 6°.37 0°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 2.32	−10 36.9	1.897	2.747	14.1	20.0
7 20	21 59.37	−11 36.9	1.822	2.747	10.8	19.8
7 30	21 54.47	−12 50.8	1.769	2.748	7.0	19.6
8 9	21 48.15	−14 13.5	1.742	2.749	2.9	19.3
8 19	21 41.14	−15 38.5	1.741	2.751	1.5	19.2
8 29	21 34.34	−16 58.9	1.767	2.753	5.7	19.5
9 8	21 28.62	−18 8.5	1.820	2.756	9.5	19.7
9 18	21 24.68	−19 3.7	1.896	2.759	12.9	20.0

399025 2013 GV_{91} 8 16.2 106°.20 3°.6/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.52	+ 0 57.7	2.590	3.369	12.7	21.3
7 20	22 0.38	+ 0 52.9	2.515	3.383	10.4	21.1
7 30	21 54.79	+ 0 33.6	2.461	3.397	7.8	21.0
8 9	21 48.19	+ 0 0.8	2.431	3.411	5.2	20.8
8 19	21 41.14	− 0 43.3	2.429	3.424	3.7	20.7
8 29	21 34.31	− 1 35.1	2.456	3.438	4.6	20.8
9 8	21 28.31	− 2 30.4	2.510	3.451	7.0	21.0
9 18	21 23.65	− 3 25.1	2.590	3.464	9.5	21.2

282761 2006 HU_{49} 8 16.2 307°.81 5°.2/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 3.15	+ 1 36.2	1.637	2.447	17.6	19.9
7 20	22 0.46	+ 1 36.0	1.543	2.431	14.7	19.7
7 30	21 55.47	+ 1 12.3	1.468	2.414	11.2	19.4
8 9	21 48.69	+ 0 24.9	1.414	2.398	7.6	19.2
8 19	21 40.90	− 0 43.9	1.384	2.383	5.3	19.0
8 29	21 33.14	− 2 8.3	1.380	2.367	6.7	19.1
9 8	21 26.54	− 3 39.9	1.400	2.352	10.4	19.3
9 18	21 22.00	− 5 10.0	1.444	2.337	14.4	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
132518 2002 JY_{49}			8 16.2 231°67	6°9/22.1 18		
	h m	° ′			°	m
7 10	22 6.67	+ 6 39.5	2.053	2.812	16.2	19.9
7 20	22 2.63	+ 7 7.2	1.961	2.806	13.8	19.7
7 30	21 56.60	+ 7 14.8	1.887	2.799	11.2	19.5
8 9	21 49.08	+ 7 0.7	1.836	2.791	8.6	19.3
8 19	21 40.77	+ 6 25.4	1.809	2.784	7.0	19.2
8 29	21 32.54	+ 5 31.8	1.809	2.776	7.4	19.2
9 8	21 25.31	+ 4 25.6	1.834	2.768	9.6	19.4
9 18	21 19.82	+ 3 13.2	1.883	2.760	12.4	19.5
206887 2004 GG_{19}			8 16.2 169°36	1°0/15.8 16		
7 10	22 22.55	−16 3.1	1.223	2.079	19.8	20.6
7 20	22 16.02	−15 53.6	1.155	2.083	15.4	20.4
7 30	22 5.92	−15 52.1	1.107	2.086	10.2	20.1
8 9	21 53.16	−15 53.2	1.081	2.088	4.3	19.8
8 19	21 39.18	−15 51.5	1.080	2.090	2.3	19.6
8 29	21 25.87	−15 42.5	1.104	2.091	8.1	20.0
9 8	21 14.89	−15 23.8	1.153	2.091	13.5	20.3
9 18	21 7.33	−14 55.7	1.222	2.091	18.2	20.6
287068 2002 RO_{23}			8 16.2 22°27	1°0/16.9 18		
7 10	22 3.98	− 8 29.0	1.435	2.292	17.3	19.9
7 20	22 1.10	− 8 53.5	1.373	2.300	13.5	19.7
7 30	21 55.80	− 9 35.0	1.331	2.308	9.0	19.4
8 9	21 48.75	−10 29.2	1.311	2.317	4.2	19.2
8 19	21 40.94	−11 30.0	1.316	2.327	1.5	19.0
8 29	21 33.52	−12 30.0	1.346	2.338	6.1	19.4
9 8	21 27.59	−13 22.7	1.400	2.349	10.7	19.7
9 18	21 23.93	−14 3.4	1.476	2.361	14.6	19.9
216137 2006 SO_{110}			8 16.2 242°71	0°4/16.6 18		
7 10	22 4.40	− 8 1.4	2.237	3.064	12.9	20.4
7 20	22 0.74	− 8 55.6	2.145	3.056	10.1	20.2
7 30	21 55.29	−10 4.0	2.076	3.047	6.7	20.0
8 9	21 48.50	−11 23.0	2.033	3.038	3.0	19.8
8 19	21 41.01	−12 47.4	2.018	3.029	1.0	19.6
8 29	21 33.62	−14 11.1	2.032	3.020	4.9	19.9
9 8	21 27.11	−15 28.2	2.074	3.010	8.5	20.1
9 18	21 22.17	−16 34.4	2.140	3.000	11.8	20.3
149053 2002 CW_{12}			8 16.2 315°32	6°6/11.9 18		
7 10	22 12.74	−28 33.6	1.700	2.564	14.7	18.5
7 20	22 8.32	−29 11.9	1.597	2.525	11.8	18.2
7 30	22 0.94	−29 49.2	1.516	2.486	8.8	18.0
8 9	21 51.14	−30 17.4	1.458	2.447	6.8	17.8
8 19	21 39.91	−30 28.6	1.425	2.408	7.5	17.7
8 29	21 28.66	−30 16.7	1.417	2.369	10.5	17.8
9 8	21 18.86	−29 40.0	1.433	2.331	14.3	17.9
9 18	21 11.68	−28 40.6	1.468	2.293	18.0	18.1
206676 2003 YF_{125}			8 16.2 260°55	0°5/16.6 18		
7 10	22 9.58	−11 10.3	2.151	2.981	13.3	21.1
7 20	22 4.85	−11 15.6	2.050	2.962	10.4	20.9
7 30	21 58.08	−11 30.2	1.971	2.943	7.0	20.6
8 9	21 49.73	−11 51.5	1.918	2.923	3.1	20.4
8 19	21 40.53	−12 16.4	1.892	2.903	1.1	20.2
8 29	21 31.37	−12 40.8	1.894	2.882	5.2	20.4
9 8	21 23.21	−13 1.3	1.924	2.861	9.0	20.6
9 18	21 16.80	−13 15.1	1.978	2.840	12.5	20.8
10801 Lüneburg			8 16.2 317°35	1°4/17.2 18		
7 10	22 3.96	− 7 35.6	1.473	2.326	17.2	17.8
7 20	22 1.33	− 7 56.6	1.387	2.310	13.6	17.5
7 30	21 56.17	− 8 36.1	1.320	2.295	9.3	17.2
8 9	21 49.03	− 9 31.4	1.275	2.280	4.5	16.9
8 19	21 40.80	−10 37.0	1.255	2.266	1.7	16.7
8 29	21 32.67	−11 45.4	1.260	2.252	6.4	17.0
9 8	21 25.89	−12 48.7	1.288	2.239	11.3	17.2
9 18	21 21.42	−13 40.9	1.339	2.226	15.7	17.4
68503 2001 UC_{118}			8 16.2 169°20	4°1/20.1 18		
7 10	22 5.12	+ 0 31.7	2.217	3.006	14.2	19.9
7 20	22 1.20	+ 0 35.2	2.131	3.007	11.7	19.7
7 30	21 55.53	+ 0 22.5	2.067	3.008	8.8	19.6
8 9	21 48.58	− 0 6.0	2.027	3.008	5.9	19.4
8 19	21 41.02	− 0 48.1	2.012	3.009	4.1	19.3
8 29	21 33.62	− 1 40.0	2.026	3.009	5.3	19.4
9 8	21 27.17	− 2 36.6	2.066	3.010	8.1	19.5
9 18	21 22.27	− 3 33.0	2.131	3.010	11.1	19.7
380735 2005 SP_{26}			8 16.2 286°07	2°1/14.8 18		
7 10	22 8.71	−16 0.4	1.590	2.452	15.7	21.1
7 20	22 4.93	−16 36.0	1.502	2.434	12.1	20.8
7 30	21 58.52	−17 22.1	1.434	2.416	8.0	20.6
8 9	21 50.04	−18 13.3	1.390	2.397	3.6	20.3
8 19	21 40.40	−19 2.6	1.371	2.379	3.0	20.2
8 29	21 30.87	−19 43.3	1.378	2.360	7.5	20.4
9 8	21 22.72	−20 10.3	1.410	2.342	12.1	20.6
9 18	21 16.94	−20 21.2	1.463	2.324	16.2	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
186828 2004 FY_{51}			8 16.2 44°39	2°5/14.6 17		
	h m	° ′			°	m
7 10	22 8.87	−16 17.7	1.293	2.168	17.8	20.0
7 20	22 5.10	−17 0.3	1.242	2.181	13.6	19.7
7 30	21 58.50	−17 52.9	1.210	2.194	8.8	19.5
8 9	21 49.92	−18 48.3	1.200	2.208	3.9	19.3
8 19	21 40.53	−19 38.3	1.215	2.222	3.4	19.3
8 29	21 31.76	−20 16.0	1.254	2.237	8.0	19.6
9 8	21 24.85	−20 37.3	1.316	2.252	12.5	19.9
9 18	21 20.60	−20 41.3	1.399	2.267	16.3	20.2
426070 2012 CJ_{25}			8 16.2 225°01	1°9/17.4 17		
7 10	22 10.20	− 7 26.6	1.541	2.379	17.3	22.4
7 20	22 5.94	− 7 32.4	1.461	2.375	13.7	22.2
7 30	21 59.07	− 7 54.5	1.400	2.370	9.4	21.9
8 9	21 50.23	− 8 30.3	1.362	2.365	4.7	21.6
8 19	21 40.36	− 9 15.3	1.350	2.360	2.1	21.5
8 29	21 30.72	−10 3.5	1.364	2.354	6.3	21.7
9 8	21 22.54	−10 48.5	1.402	2.349	10.9	22.0
9 18	21 16.73	−11 25.6	1.463	2.342	15.1	22.2
42620 1998 FS_{13}			8 16.2 225°41	4°3/12.9 18		
7 10	22 12.15	−21 16.4	1.673	2.535	15.1	18.7
7 20	22 7.43	−22 17.2	1.596	2.527	11.6	18.4
7 30	22 0.05	−23 23.9	1.540	2.519	7.9	18.2
8 9	21 50.65	−24 28.9	1.510	2.511	4.7	18.0
8 19	21 40.21	−25 24.2	1.505	2.501	5.2	18.0
8 29	21 30.01	−26 2.9	1.527	2.492	8.7	18.2
9 8	21 21.31	−26 21.5	1.573	2.482	12.6	18.4
9 18	21 15.05	−26 20.1	1.640	2.472	16.1	18.6
390210 2012 XD_{12}			8 16.2 220°23	2°4/14.2 18		
7 10	22 9.03	−18 22.4	1.976	2.829	13.4	21.9
7 20	22 4.50	−18 59.4	1.899	2.826	10.3	21.7
7 30	21 57.84	−19 42.1	1.844	2.823	6.7	21.5
8 9	21 49.61	−20 25.5	1.815	2.820	3.3	21.3
8 19	21 40.64	−21 4.2	1.812	2.817	3.2	21.3
8 29	21 31.93	−21 33.3	1.838	2.813	6.6	21.5
9 8	21 24.43	−21 49.7	1.889	2.810	10.2	21.7
9 18	21 18.88	−21 52.5	1.963	2.806	13.4	21.9
339190 2004 TG_{171}			8 16.2 203°54	16°4/26.6 16		
7 10	22 12.22	+18 13.8	1.331	2.051	25.1	20.7
7 20	22 8.16	+20 15.2	1.260	2.050	22.9	20.6
7 30	22 0.96	+21 45.4	1.201	2.048	20.6	20.4
8 9	21 51.20	+22 35.4	1.158	2.045	18.3	20.2
8 19	21 39.95	+22 38.6	1.133	2.042	16.8	20.1
8 29	21 28.78	+21 53.9	1.126	2.039	16.4	20.1
9 8	21 19.28	+20 28.5	1.139	2.035	17.4	20.1
9 18	21 12.70	+18 34.6	1.171	2.031	19.4	20.3
313363 2002 GM_{190}			8 16.2 63°49	1°4/17.0 17		
7 10	22 11.35	− 9 7.8	1.292	2.146	19.1	20.5
7 20	22 6.89	− 9 10.6	1.238	2.162	14.9	20.3
7 30	21 59.62	− 9 29.6	1.203	2.179	10.0	20.0
8 9	21 50.39	−10 0.9	1.190	2.195	4.7	19.8
8 19	21 40.37	−10 39.0	1.201	2.212	1.8	19.6
8 29	21 30.99	−11 17.2	1.238	2.229	6.6	20.0
9 8	21 23.48	−11 49.8	1.298	2.246	11.4	20.3
9 18	21 18.65	−12 12.9	1.379	2.263	15.5	20.6
363069 2000 EV_{106}			8 16.2 295°53	20°4/ 1.6 18		
7 10	22 3.56	+29 33.4	1.040	1.731	32.3	21.9
7 20	22 3.11	+30 9.0	0.921	1.686	31.1	21.6
7 30	21 58.97	+29 47.2	0.807	1.640	29.3	21.2
8 9	21 51.03	+28 1.0	0.703	1.592	26.6	20.7
8 19	21 39.72	+24 15.3	0.611	1.544	23.4	20.3
8 29	21 26.54	+17 55.2	0.537	1.494	20.7	19.8
9 8	21 13.89	+ 8 50.3	0.487	1.444	21.5	19.6
9 18	21 4.36	− 2 15.8	0.464	1.395	27.3	19.6
260427 2004 XZ_{99}			8 16.2 316°57	5°7/12.3 18		
7 10	22 5.14	−20 22.1	1.153	2.047	18.2	20.0
7 20	22 3.13	−21 42.5	1.079	2.028	14.1	19.7
7 30	21 57.85	−23 15.4	1.024	2.011	9.6	19.4
8 9	21 49.91	−24 50.2	0.991	1.994	6.0	19.2
8 19	21 40.47	−26 14.3	0.979	1.977	7.0	19.2
8 29	21 31.21	−27 16.0	0.991	1.961	11.5	19.3
9 8	21 23.82	−27 48.6	1.022	1.946	16.3	19.6
9 18	21 19.55	−27 51.5	1.071	1.932	20.7	19.8
60763 2000 GN_{118}			8 16.2 184°22	0°9/16.7 17		
7 10	22 11.32	− 9 37.2	1.419	2.268	17.9	20.5
7 20	22 6.95	− 9 51.4	1.347	2.268	14.0	20.2
7 30	21 59.80	−10 21.4	1.293	2.269	9.4	20.0
8 9	21 50.55	−11 3.2	1.262	2.268	4.3	19.7
8 19	21 40.27	−11 51.4	1.257	2.268	1.5	19.5
8 29	21 30.33	−12 38.8	1.277	2.267	6.7	19.8
9 8	21 22.03	−13 19.3	1.321	2.266	11.6	20.1
9 18	21 16.32	−13 48.7	1.387	2.265	15.9	20.3

472209 2014 EE_{22} 8 16.2 142°.03 0°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 6.27	− 9 45.9	1.955	2.792	14.2	21.6
7 20	22 2.33	−10 20.2	1.878	2.794	11.0	21.4
7 30	21 56.38	−11 7.2	1.822	2.797	7.3	21.2
8 9	21 48.99	−12 3.1	1.792	2.799	3.2	20.9
8 19	21 40.91	−13 2.9	1.789	2.800	1.1	20.8
8 29	21 33.05	−14 0.8	1.814	2.802	5.3	21.1
9 8	21 26.33	−14 51.8	1.865	2.804	9.2	21.3
9 18	21 21.41	−15 32.4	1.940	2.805	12.6	21.5

256016 2006 UY_{23} 8 16.2 123°.02 1°.8/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.74	− 6 59.8	1.716	2.544	16.2	20.8
7 20	22 5.90	− 7 11.5	1.648	2.556	12.7	20.6
7 30	21 58.77	− 7 38.1	1.600	2.567	8.7	20.4
8 9	21 50.01	− 8 16.9	1.576	2.578	4.4	20.1
8 19	21 40.54	− 9 3.3	1.579	2.589	1.9	20.0
8 29	21 31.43	− 9 51.7	1.609	2.599	5.6	20.3
9 8	21 23.73	−10 36.6	1.665	2.608	9.7	20.5
9 18	21 18.17	−11 13.9	1.744	2.618	13.4	20.8

143355 2003 AD_{88} 8 16.2 178°.22 5°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.21	−28 58.0	2.483	3.333	11.1	20.0
7 20	22 5.07	−29 58.3	2.416	3.335	8.8	19.8
7 30	21 58.04	−30 56.7	2.373	3.336	6.6	19.7
8 9	21 49.66	−31 47.2	2.356	3.336	5.3	19.6
8 19	21 40.67	−32 24.7	2.367	3.336	5.9	19.7
8 29	21 31.95	−32 45.7	2.405	3.336	7.9	19.8
9 8	21 24.33	−32 49.0	2.468	3.335	10.2	19.9
9 18	21 18.45	−32 35.5	2.554	3.334	12.5	20.1

285271 1998 RW_{6} 8 16.2 246°.91 2°.5/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.11	−19 57.3	2.099	2.946	13.0	20.9
7 20	22 6.82	−20 16.8	2.011	2.935	10.0	20.7
7 30	21 59.36	−20 39.8	1.945	2.922	6.6	20.5
8 9	21 50.29	−21 1.6	1.905	2.910	3.3	20.2
8 19	21 40.42	−21 17.8	1.893	2.897	3.2	20.2
8 29	21 30.74	−21 24.4	1.909	2.884	6.5	20.4
9 8	21 22.24	−21 19.5	1.952	2.871	10.0	20.6
9 18	21 15.70	−21 2.6	2.018	2.857	13.2	20.8

189003 3009 $T\text{-}_{3}$ 8 16.2 345°.23 9°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.13	−34 55.2	1.631	2.501	14.9	19.1
7 20	22 5.38	−36 0.6	1.568	2.491	12.4	18.9
7 30	21 58.79	−36 58.6	1.526	2.481	10.2	18.7
8 9	21 50.12	−37 39.9	1.507	2.472	9.2	18.7
8 19	21 40.50	−37 56.8	1.511	2.464	10.1	18.7
8 29	21 31.35	−37 45.1	1.538	2.458	12.3	18.8
9 8	21 23.98	−37 5.3	1.587	2.452	15.0	19.0
9 18	21 19.26	−36 1.2	1.654	2.447	17.6	19.2

313023 2000 AN_{209} 8 16.2 203°.48 3°.7/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.63	−23 39.9	2.545	3.397	10.8	21.5
7 20	22 2.27	−24 35.0	2.469	3.395	8.3	21.3
7 30	21 56.19	−25 31.8	2.418	3.393	5.7	21.1
8 9	21 48.88	−26 25.3	2.394	3.390	3.9	21.0
8 19	21 40.99	−27 10.6	2.398	3.387	4.3	21.0
8 29	21 33.29	−27 43.7	2.430	3.384	6.6	21.2
9 8	21 26.53	−28 2.5	2.488	3.381	9.2	21.3
9 18	21 21.31	−28 6.7	2.569	3.377	11.6	21.5

362266 2009 PN_{5} 8 16.2 51°.66 5°.6/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.09	+ 3 43.0	2.297	3.066	14.4	20.4
7 20	22 1.89	+ 4 16.7	2.213	3.067	12.1	20.2
7 30	21 55.98	+ 4 34.5	2.148	3.069	9.5	20.0
8 9	21 48.81	+ 4 35.6	2.107	3.071	7.1	19.9
8 19	21 41.03	+ 4 20.4	2.092	3.073	5.7	19.8
8 29	21 33.42	+ 3 51.6	2.104	3.075	6.3	19.8
9 8	21 26.72	+ 3 13.1	2.142	3.076	8.4	20.0
9 18	21 21.56	+ 2 29.7	2.205	3.078	10.9	20.1

262067 2006 RY_{44} 8 16.2 81°.75 0°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.03	−10 54.2	2.022	2.862	13.7	21.5
7 20	22 2.09	−11 22.6	1.945	2.863	10.6	21.3
7 30	21 56.21	−12 2.0	1.889	2.864	7.0	21.1
8 9	21 48.93	−12 48.9	1.859	2.866	3.0	20.8
8 19	21 40.99	−13 38.6	1.856	2.867	1.1	20.7
8 29	21 33.28	−14 26.2	1.881	2.869	5.2	21.0
9 8	21 26.66	−15 7.0	1.932	2.870	8.9	21.2
9 18	21 21.80	−15 38.1	2.007	2.871	12.2	21.4

508656 2017 UK 8 16.2 4°.37 2°.2/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 0.58	−12 7.3	0.959	1.856	20.6	20.0
7 20	21 59.64	−13 21.4	0.904	1.855	15.8	19.7
7 30	21 55.48	−14 58.4	0.865	1.855	10.2	19.4
8 9	21 48.85	−16 48.6	0.847	1.856	4.3	19.1
8 19	21 41.01	−18 38.6	0.850	1.859	3.6	19.0
8 29	21 33.65	−20 14.3	0.875	1.863	9.4	19.4
9 8	21 28.31	−21 25.6	0.920	1.868	14.9	19.7
9 18	21 26.03	−22 8.4	0.983	1.874	19.7	20.0

474357 2002 QU_{106} 8 16.2 303°.55 0°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 9.59	−12 39.2	1.773	2.619	15.0	21.1
7 20	22 5.20	−12 33.2	1.686	2.607	11.7	20.8
7 30	21 58.47	−12 36.0	1.620	2.596	7.8	20.6
8 9	21 49.97	−12 45.0	1.579	2.585	3.4	20.3
8 19	21 40.57	−12 56.5	1.563	2.574	1.3	20.1
8 29	21 31.37	−13 6.6	1.575	2.564	5.8	20.4
9 8	21 23.44	−13 12.0	1.612	2.553	10.1	20.6
9 18	21 17.62	−13 10.4	1.672	2.543	13.9	20.8

516504 2006 AC_{29} 8 16.2 222°.14 0°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.32	−10 55.6	2.730	3.555	10.9	22.5
7 20	22 1.09	−11 19.0	2.637	3.548	8.5	22.3
7 30	21 55.36	−11 50.5	2.569	3.540	5.6	22.1
8 9	21 48.54	−12 27.7	2.526	3.532	2.4	21.9
8 19	21 41.17	−13 7.5	2.513	3.524	0.9	21.8
8 29	21 33.91	−13 46.2	2.529	3.515	4.1	22.0
9 8	21 27.41	−14 20.6	2.572	3.506	7.2	22.2
9 18	21 22.22	−14 48.4	2.642	3.497	9.9	22.4

97127 1999 VW_{107} 8 16.2 158°.16 2°.1/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.30	−18 21.8	2.489	3.336	11.2	20.1
7 20	22 1.95	−19 1.2	2.414	3.339	8.5	19.9
7 30	21 55.95	−19 45.2	2.363	3.341	5.5	19.7
8 9	21 48.79	−20 29.4	2.338	3.343	2.7	19.6
8 19	21 41.08	−21 9.8	2.341	3.345	2.7	19.6
8 29	21 33.58	−21 42.3	2.373	3.347	5.5	19.7
9 8	21 27.02	−22 4.5	2.432	3.348	8.4	19.9
9 18	21 21.97	−22 15.2	2.515	3.350	11.1	20.1

401639 2013 GL_{91} 8 16.2 352°.05 2°.9/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.30	−20 59.3	1.970	2.829	13.2	20.5
7 20	22 3.93	−21 19.3	1.896	2.826	10.1	20.3
7 30	21 57.45	−21 42.0	1.844	2.824	6.7	20.1
8 9	21 49.47	−22 2.6	1.818	2.821	3.6	19.9
8 19	21 40.81	−22 16.6	1.817	2.820	3.6	19.9
8 29	21 32.47	−22 20.3	1.844	2.818	6.7	20.1
9 8	21 25.37	−22 11.8	1.897	2.817	10.1	20.3
9 18	21 20.23	−21 51.2	1.972	2.817	13.2	20.5

9251 Harch 8 16.2 340°.61 0°.8/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 3.37	−13 18.1	1.773	2.632	14.5	18.3
7 20	22 0.42	−13 48.0	1.692	2.622	11.2	18.0
7 30	21 55.32	−14 28.9	1.632	2.613	7.3	17.8
8 9	21 48.63	−15 16.5	1.596	2.604	3.0	17.5
8 19	21 41.13	−16 5.3	1.586	2.596	1.8	17.4
8 29	21 33.82	−16 49.7	1.602	2.589	6.1	17.7
9 8	21 27.69	−17 24.8	1.643	2.583	10.2	17.9
9 18	21 23.50	−17 47.6	1.707	2.577	13.8	18.1

442593 2012 CU_{33} 8 16.2 311°.74 1°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 3.36	− 8 0.4	2.055	2.889	13.7	21.2
7 20	22 0.12	− 8 27.2	1.964	2.877	10.7	20.9
7 30	21 55.00	− 9 7.5	1.894	2.865	7.3	20.7
8 9	21 48.47	− 9 58.7	1.849	2.854	3.5	20.4
8 19	21 41.19	−10 56.5	1.831	2.842	1.3	20.3
8 29	21 34.03	−11 55.5	1.841	2.831	5.0	20.5
9 8	21 27.82	−12 50.6	1.876	2.820	8.8	20.7
9 18	21 23.28	−13 37.5	1.936	2.809	12.2	20.9

99034 2001 DD_{109} 8 16.2 346°.13 5°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 14.06	−25 35.5	1.412	2.284	16.7	18.0
7 20	22 9.25	−25 39.9	1.341	2.276	13.1	17.8
7 30	22 1.37	−25 42.0	1.291	2.269	9.1	17.5
8 9	21 51.25	−25 35.0	1.263	2.263	5.7	17.3
8 19	21 40.14	−25 13.4	1.260	2.258	5.7	17.3
8 29	21 29.57	−24 33.9	1.281	2.253	9.2	17.5
9 8	21 20.96	−23 37.3	1.326	2.250	13.4	17.7
9 18	21 15.24	−22 26.6	1.392	2.247	17.1	18.0

358320 2006 UX_{329} 8 16.2 294°.66 1°.0/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.21	− 9 9.8	2.021	2.855	13.9	21.3
7 20	22 2.29	− 9 19.5	1.934	2.848	10.9	21.1
7 30	21 56.41	− 9 40.8	1.869	2.840	7.4	20.9
8 9	21 49.06	−10 11.0	1.829	2.833	3.5	20.6
8 19	21 40.98	−10 46.8	1.815	2.826	1.3	20.4
8 29	21 33.06	−11 23.6	1.829	2.819	5.1	20.7
9 8	21 26.19	−11 57.1	1.870	2.812	8.9	20.9
9 18	21 21.08	−12 23.9	1.934	2.805	12.3	21.1

357198 2002 FV_{40} 8 16.2 104°.74 5°.0/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.64	−28 33.1	2.537	3.387	10.9	21.3
7 20	22 4.46	−29 32.5	2.486	3.406	8.5	21.1
7 30	21 57.54	−30 29.4	2.460	3.424	6.3	21.0
8 9	21 49.44	−31 18.2	2.460	3.442	5.0	21.0
8 19	21 40.87	−31 54.4	2.488	3.459	5.6	21.0
8 29	21 32.67	−32 15.0	2.543	3.476	7.4	21.2
9 8	21 25.59	−32 19.0	2.624	3.493	9.7	21.3
9 18	21 20.18	−32 7.5	2.727	3.510	11.7	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
478073 2011 UE_{11}			8 16.2 348°38		2°8/18.6 18	
	h m	° ′			°	m
7 10	22 5.30	− 3 40.0	1.911	2.729	15.2	21.3
7 20	22 1.65	− 3 49.3	1.829	2.729	12.2	21.1
7 30	21 56.00	− 4 15.0	1.768	2.728	8.7	20.9
8 9	21 48.89	− 4 55.5	1.731	2.727	5.0	20.7
8 19	21 41.06	− 5 47.2	1.721	2.727	2.8	20.6
8 29	21 33.42	− 6 44.9	1.737	2.727	5.3	20.7
9 8	21 26.88	− 7 42.9	1.779	2.726	8.9	20.9
9 18	21 22.14	− 8 36.2	1.845	2.726	12.4	21.1
13872 2649 *P–L*			8 16.2 111°50		4°1/20.1 18	
7 10	22 6.38	+ 1 6.7	1.978	2.771	15.6	18.6
7 20	22 2.31	+ 0 53.7	1.904	2.782	12.8	18.4
7 30	21 56.34	+ 0 21.2	1.850	2.793	9.5	18.2
8 9	21 49.00	− 0 29.4	1.820	2.804	6.2	18.0
8 19	21 41.03	− 1 34.6	1.816	2.814	4.2	17.9
8 29	21 33.33	− 2 49.1	1.839	2.825	5.5	18.0
9 8	21 26.74	− 4 6.3	1.889	2.835	8.6	18.2
9 18	21 21.90	− 5 20.2	1.964	2.845	11.8	18.5
476782 2008 UC_{133}			8 16.2 328°84		1°2/16.9 18	
7 10	22 4.30	− 9 35.1	1.373	2.236	17.7	21.4
7 20	22 1.79	− 9 39.4	1.289	2.219	13.9	21.1
7 30	21 56.61	− 9 59.6	1.224	2.203	9.5	20.8
8 9	21 49.32	−10 33.0	1.181	2.187	4.5	20.5
8 19	21 40.87	−11 14.7	1.162	2.173	1.6	20.2
8 29	21 32.56	−11 58.2	1.166	2.159	6.7	20.5
9 8	21 25.71	−12 36.7	1.194	2.146	11.8	20.8
9 18	21 21.33	−13 5.3	1.243	2.135	16.3	21.0
396060 2013 CA_{52}			8 16.2 238°78		0°9/15.3 18	
7 10	22 6.55	−13 54.6	2.185	3.028	12.7	22.0
7 20	22 2.43	−14 29.8	2.100	3.022	9.7	21.7
7 30	21 56.44	−15 13.8	2.038	3.016	6.3	21.5
8 9	21 49.07	−16 2.4	2.002	3.009	2.7	21.3
8 19	21 41.00	−16 51.2	1.993	3.003	1.7	21.2
8 29	21 33.10	−17 35.1	2.013	2.996	5.4	21.4
9 8	21 26.19	−18 10.4	2.059	2.989	9.0	21.6
9 18	21 20.96	−18 34.7	2.129	2.982	12.1	21.8
91011 1998 CH_{2}			8 16.2 195°15		1°7/14.9 18	
7 10	22 11.89	−17 7.0	2.164	3.005	12.9	20.0
7 20	22 6.51	−17 32.2	2.082	3.003	9.9	19.8
7 30	21 59.09	−18 3.0	2.023	3.000	6.4	19.6
8 9	21 50.19	−18 35.0	1.990	2.996	2.9	19.4
8 19	21 40.57	−19 3.9	1.985	2.992	2.4	19.3
8 29	21 31.19	−19 25.5	2.009	2.988	5.8	19.6
9 8	21 22.96	−19 37.1	2.060	2.983	9.4	19.8
9 18	21 16.58	−19 37.7	2.135	2.977	12.5	20.0
450247 2003 SY_{112}			8 16.2 15°79		8°0/23.9 15	
7 10	22 0.89	+ 8 56.7	1.709	2.481	18.5	20.8
7 20	21 58.44	+ 9 21.1	1.639	2.488	15.9	20.6
7 30	21 53.97	+ 9 19.4	1.587	2.496	13.0	20.5
8 9	21 48.04	+ 8 50.3	1.554	2.505	10.2	20.3
8 19	21 41.42	+ 7 55.2	1.544	2.516	8.3	20.2
8 29	21 35.06	+ 6 38.7	1.559	2.527	8.3	20.3
9 8	21 29.88	+ 5 8.8	1.597	2.539	10.2	20.4
9 18	21 26.57	+ 3 33.9	1.659	2.552	12.9	20.6
513770 2012 XR_{84}			8 16.2 296°31		2°6/13.8 18	
7 10	22 4.47	−14 51.3	1.722	2.585	14.7	21.2
7 20	22 1.54	−16 12.9	1.632	2.565	11.3	20.9
7 30	21 56.26	−17 49.3	1.563	2.546	7.3	20.6
8 9	21 49.14	−19 33.8	1.520	2.527	3.5	20.4
8 19	21 40.94	−21 17.4	1.503	2.507	3.6	20.3
8 29	21 32.77	−22 51.1	1.513	2.488	7.7	20.5
9 8	21 25.76	−24 7.4	1.548	2.469	11.9	20.7
9 18	21 20.83	−25 2.4	1.604	2.451	15.7	20.9
510985 2013 HC_{41}			8 16.2 206°07		3°3/13.2 18	
7 10	22 9.05	−23 2.7	2.437	3.287	11.3	21.6
7 20	22 4.14	−23 35.3	2.361	3.285	8.7	21.4
7 30	21 57.43	−24 9.0	2.308	3.283	5.9	21.3
8 9	21 49.45	−24 39.4	2.281	3.280	3.6	21.1
8 19	21 40.88	−25 2.2	2.283	3.278	3.9	21.1
8 29	21 32.56	−25 14.1	2.313	3.275	6.3	21.3
9 8	21 25.27	−25 13.4	2.369	3.273	9.2	21.5
9 18	21 19.64	−25 0.1	2.448	3.270	11.7	21.6
398545 2011 US_{337}			8 16.2 292°52		2°1/18.1 18	
7 10	22 3.86	− 4 21.7	1.941	2.765	14.8	21.1
7 20	22 0.61	− 4 53.2	1.851	2.755	11.8	20.9
7 30	21 55.38	− 5 42.4	1.782	2.746	8.3	20.6
8 9	21 48.67	− 6 46.7	1.738	2.737	4.4	20.4
8 19	21 41.16	− 8 1.6	1.719	2.728	2.1	20.2
8 29	21 33.77	− 9 21.0	1.728	2.719	5.2	20.4
9 8	21 27.40	−10 38.1	1.764	2.711	9.1	20.6
9 18	21 22.78	−11 47.3	1.824	2.702	12.6	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
112862 2002 QG_{31}			8 16.2 316°40		2°6/14.4 18	
	h m	° ′			°	m
7 10	22 10.01	−19 17.5	1.798	2.656	14.3	19.4
7 20	22 5.47	−19 41.6	1.722	2.652	11.0	19.2
7 30	21 58.60	−20 10.4	1.668	2.648	7.2	19.0
8 9	21 50.03	−20 38.8	1.639	2.645	3.6	18.7
8 19	21 40.65	−21 1.5	1.636	2.641	3.4	18.7
8 29	21 31.59	−21 14.0	1.660	2.638	7.0	18.9
9 8	21 23.89	−21 13.8	1.709	2.634	10.8	19.1
9 18	21 18.35	−21 0.4	1.781	2.631	14.2	19.4
207269 2005 EJ_{288}			8 16.2 134°72		0°2/16.1 18	
7 10	22 9.06	−12 41.1	2.030	2.869	13.7	20.7
7 20	22 4.37	−12 57.0	1.955	2.873	10.5	20.5
7 30	21 57.68	−13 21.7	1.903	2.878	6.9	20.3
8 9	21 49.59	−13 51.7	1.875	2.882	2.9	20.1
8 19	21 40.84	−14 23.0	1.876	2.887	1.2	19.9
8 29	21 32.38	−14 51.2	1.904	2.891	5.3	20.2
9 8	21 25.09	−15 13.0	1.959	2.895	9.0	20.5
9 18	21 19.63	−15 26.2	2.038	2.898	12.3	20.7
281670 2008 VS_{57}			8 16.2 34°22		10°1/ 9.4 16	
7 10	22 10.64	−33 17.4	1.322	2.204	17.1	19.7
7 20	22 6.78	−34 52.1	1.289	2.219	13.9	19.6
7 30	21 59.75	−36 18.0	1.275	2.235	11.2	19.5
8 9	21 50.53	−37 23.3	1.282	2.251	10.1	19.5
8 19	21 40.53	−37 59.3	1.313	2.269	11.0	19.6
8 29	21 31.37	−38 2.2	1.365	2.287	13.4	19.7
9 8	21 24.41	−37 33.7	1.437	2.306	16.1	20.0
9 18	21 20.43	−36 39.3	1.528	2.325	18.7	20.2
506423 1999 WK_{5}			8 16.2 251°03		4°1/13.1 18	
7 10	22 11.79	−21 0.0	1.771	2.630	14.5	22.8
7 20	22 7.17	−21 58.2	1.683	2.613	11.2	22.5
7 30	21 59.96	−23 2.8	1.618	2.596	7.6	22.3
8 9	21 50.73	−24 6.8	1.577	2.578	4.5	22.0
8 19	21 40.37	−25 2.5	1.563	2.560	5.0	22.0
8 29	21 30.12	−25 43.0	1.575	2.541	8.5	22.2
9 8	21 21.22	−26 4.6	1.612	2.521	12.4	22.4
9 18	21 14.61	−26 6.4	1.671	2.501	15.9	22.6
338795 2003 US_{349}			8 16.2 273°24		1°6/14.9 18	
7 10	22 7.49	−15 12.1	1.860	2.713	14.1	21.5
7 20	22 3.56	−15 50.6	1.775	2.703	10.9	21.3
7 30	21 57.40	−16 38.6	1.712	2.692	7.1	21.0
8 9	21 49.57	−17 31.3	1.674	2.681	3.1	20.8
8 19	21 40.87	−18 22.8	1.662	2.670	2.4	20.7
8 29	21 32.32	−19 7.3	1.678	2.660	6.4	20.9
9 8	21 24.96	−19 40.3	1.719	2.649	10.4	21.2
9 18	21 19.59	−19 59.6	1.783	2.638	14.0	21.4
385096 2012 VL_{36}			8 16.2 286°12		1°8/17.7 18	
7 10	22 5.38	− 6 3.7	1.819	2.650	15.3	21.0
7 20	22 1.93	− 6 25.5	1.731	2.640	12.2	20.7
7 30	21 56.33	− 7 3.7	1.663	2.631	8.4	20.5
8 9	21 49.12	− 7 56.0	1.619	2.621	4.3	20.2
8 19	21 41.04	− 8 57.8	1.602	2.611	1.9	20.0
8 29	21 33.09	−10 3.3	1.611	2.602	5.5	20.3
9 8	21 26.25	−11 5.9	1.646	2.592	9.6	20.5
9 18	21 21.33	−12 0.5	1.705	2.583	13.4	20.7
278075 2007 AA_{18}			8 16.2 261°75		1°3/17.0 18	
7 10	22 11.60	− 9 27.1	1.820	2.651	15.3	22.2
7 20	22 6.88	− 9 26.7	1.719	2.630	12.1	21.9
7 30	21 59.73	− 9 38.3	1.638	2.608	8.3	21.6
8 9	21 50.64	− 9 59.6	1.582	2.586	4.0	21.3
8 19	21 40.43	−10 27.4	1.553	2.563	1.6	21.1
8 29	21 30.21	−10 56.9	1.551	2.540	5.9	21.3
9 8	21 21.14	−11 23.6	1.575	2.516	10.4	21.6
9 18	21 14.18	−11 43.8	1.622	2.491	14.4	21.7
59372 1999 EP_{8}			8 16.2 292°52		0°4/15.9 18	
7 10	22 8.59	−12 48.2	1.562	2.418	16.2	20.7
7 20	22 4.90	−13 4.8	1.471	2.399	12.7	20.4
7 30	21 58.58	−13 33.4	1.401	2.380	8.4	20.1
8 9	21 50.18	−14 10.4	1.354	2.362	3.6	19.8
8 19	21 40.62	−14 50.2	1.333	2.343	1.6	19.6
8 29	21 31.14	−15 26.7	1.337	2.325	6.8	19.9
9 8	21 23.03	−15 54.4	1.365	2.307	11.6	20.1
9 18	21 17.27	−16 10.2	1.415	2.289	15.9	20.3
207 Hedda			8 16.2 93°99		2°8/14.5 18	
7 10	22 11.74	−17 34.3	1.414	2.281	17.0	13.4
7 20	22 7.32	−18 12.2	1.350	2.284	13.1	13.1
7 30	22 0.07	−18 58.7	1.305	2.288	8.5	12.9
8 9	21 50.74	−19 46.9	1.284	2.291	4.0	12.6
8 19	21 40.46	−20 29.2	1.288	2.294	3.7	12.6
8 29	21 30.64	−20 59.1	1.318	2.298	8.0	12.9
9 8	21 22.59	−21 12.9	1.370	2.301	12.5	13.2
9 18	21 17.20	−21 9.9	1.444	2.304	16.4	13.4

39658 1995 UF_{24} 8 16.2 1.°12 1.°1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 5.68	−10 10.2	1.361	2.223	17.8	18.6
7 20	22 2.69	−10 10.6	1.292	2.222	13.9	18.4
7 30	21 57.06	−10 25.6	1.242	2.221	9.4	18.1
8 9	21 49.47	−10 52.0	1.214	2.221	4.3	17.8
8 19	21 40.95	−11 24.9	1.210	2.222	1.6	17.7
8 29	21 32.78	−11 58.3	1.231	2.223	6.5	18.0
9 8	21 26.19	−12 26.4	1.275	2.226	11.3	18.3
9 18	21 22.06	−12 45.4	1.340	2.230	15.5	18.5

358800 2008 EX_{56} 8 16.2 146.°80 1.°2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.58	−15 12.4	2.626	3.463	11.0	22.2
7 20	22 2.06	−15 56.2	2.553	3.472	8.3	22.0
7 30	21 56.00	−16 46.2	2.503	3.480	5.4	21.8
8 9	21 48.85	−17 38.6	2.481	3.488	2.3	21.6
8 19	21 41.21	−18 29.2	2.488	3.495	1.9	21.6
8 29	21 33.77	−19 14.1	2.524	3.502	4.8	21.8
9 8	21 27.21	−19 50.2	2.587	3.509	7.7	22.0
9 18	21 22.06	−20 15.8	2.676	3.515	10.3	22.2

38544 1999 VS_{21} 8 16.2 359.°46 2.°6/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 3.02	−17 8.1	1.624	2.496	14.9	17.3
7 20	22 0.33	−17 57.7	1.555	2.494	11.4	17.0
7 30	21 55.35	−18 56.1	1.508	2.492	7.4	16.8
8 9	21 48.70	−19 57.2	1.484	2.491	3.5	16.6
8 19	21 41.26	−20 54.0	1.486	2.491	3.5	16.6
8 29	21 34.11	−21 39.9	1.513	2.492	7.3	16.8
9 8	21 28.30	−22 10.6	1.565	2.494	11.3	17.1
9 18	21 24.59	−22 24.3	1.637	2.497	14.8	17.3

129743 1999 CF_{82} 8 16.2 175.°97 1.°3/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.39	−13 32.7	1.556	2.409	16.4	20.5
7 20	22 6.85	−14 14.7	1.484	2.410	12.7	20.2
7 30	21 59.70	−15 9.3	1.432	2.412	8.2	20.0
8 9	21 50.59	−16 10.5	1.405	2.412	3.5	19.7
8 19	21 40.53	−17 11.2	1.403	2.413	2.3	19.6
8 29	21 30.79	−18 4.2	1.429	2.413	7.0	19.9
9 8	21 22.59	−18 44.2	1.479	2.412	11.5	20.2
9 18	21 16.82	−19 8.6	1.551	2.411	15.4	20.4

316013 2009 FQ_{17} 8 16.2 90.°86 4.°6/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 14.48	−21 55.0	1.381	2.250	17.2	20.7
7 20	22 9.46	−22 39.0	1.324	2.259	13.2	20.4
7 30	22 1.45	−23 26.9	1.288	2.268	8.9	20.2
8 9	21 51.31	−24 10.1	1.275	2.277	5.2	20.0
8 19	21 40.29	−24 41.0	1.286	2.285	5.4	20.1
8 29	21 29.90	−24 53.8	1.323	2.294	9.2	20.3
9 8	21 21.49	−24 46.9	1.383	2.302	13.3	20.6
9 18	21 15.92	−24 21.8	1.463	2.310	16.9	20.8

442484 2011 UN_{362} 8 16.2 166.°47 4.°4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.00	−24 48.5	2.269	3.125	11.8	21.2
7 20	22 3.54	−25 49.2	2.200	3.127	9.1	21.0
7 30	21 57.16	−26 51.0	2.155	3.128	6.4	20.8
8 9	21 49.41	−27 48.0	2.136	3.129	4.6	20.7
8 19	21 41.01	−28 34.5	2.145	3.130	5.1	20.8
8 29	21 32.87	−29 6.2	2.181	3.131	7.5	20.9
9 8	21 25.83	−29 21.2	2.242	3.132	10.2	21.1
9 18	21 20.56	−29 19.5	2.326	3.132	12.8	21.3

201127 2002 JR_{61} 8 16.2 84.°26 3.°5/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.19	− 1 8.9	1.830	2.637	16.2	20.7
7 20	22 3.03	− 1 25.8	1.765	2.655	13.0	20.5
7 30	21 56.85	− 2 1.6	1.721	2.673	9.4	20.3
8 9	21 49.27	− 2 54.4	1.700	2.692	5.7	20.2
8 19	21 41.09	− 3 59.7	1.706	2.709	3.5	20.1
8 29	21 33.26	− 5 11.6	1.738	2.727	5.4	20.2
9 8	21 26.68	− 6 23.4	1.798	2.745	8.9	20.5
9 18	21 21.98	− 7 29.5	1.881	2.762	12.2	20.7

236483 2006 FW_{34} 8 16.2 121.°00 5.°8/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 14.31	−28 24.9	1.955	2.809	13.5	20.1
7 20	22 8.59	−29 11.9	1.896	2.818	10.6	19.9
7 30	22 0.52	−29 56.1	1.859	2.826	7.7	19.8
8 9	21 50.83	−30 30.7	1.848	2.834	5.9	19.7
8 19	21 40.50	−30 49.8	1.864	2.842	6.4	19.7
8 29	21 30.66	−30 50.0	1.906	2.850	8.8	19.9
9 8	21 22.35	−30 31.2	1.972	2.857	11.6	20.1
9 18	21 16.29	−29 55.2	2.061	2.865	14.3	20.3

334443 2002 JR_{144} 8 16.2 135.°12 3.°6/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.22	−20 18.2	2.139	2.991	12.6	20.8
7 20	22 4.50	−21 37.8	2.076	3.003	9.6	20.6
7 30	21 57.80	−23 2.2	2.038	3.015	6.4	20.4
8 9	21 49.69	−24 24.7	2.026	3.026	3.9	20.3
8 19	21 40.93	−25 38.6	2.042	3.036	4.4	20.3
8 29	21 32.46	−26 38.3	2.087	3.046	7.2	20.5
9 8	21 25.15	−27 20.6	2.157	3.056	10.2	20.7
9 18	21 19.67	−27 44.9	2.251	3.065	12.9	21.0

359559 2010 TG_5 8 16.2 233.°01 4.°9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 9.98	−27 22.2	2.280	3.134	11.8	20.7
7 20	22 5.07	−28 6.3	2.209	3.132	9.3	20.5
7 30	21 58.16	−28 49.1	2.161	3.130	6.7	20.4
8 9	21 49.84	−29 24.8	2.139	3.128	5.0	20.2
8 19	21 40.88	−29 48.6	2.144	3.125	5.5	20.3
8 29	21 32.21	−29 57.0	2.176	3.123	7.8	20.4
9 8	21 24.72	−29 48.7	2.234	3.120	10.4	20.6
9 18	21 19.08	−29 24.7	2.314	3.118	12.9	20.7

168803 2000 SG_{118} 8 16.2 330.°01 7.°0/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.66	−25 10.1	1.127	2.019	18.6	19.1
7 20	22 6.73	−26 2.6	1.061	2.006	14.6	18.9
7 30	22 0.26	−26 57.9	1.013	1.994	10.4	18.6
8 9	21 51.03	−27 45.2	0.985	1.983	7.3	18.4
8 19	21 40.39	−28 13.9	0.980	1.973	8.0	18.4
8 29	21 30.19	−28 16.5	0.996	1.963	11.9	18.6
9 8	21 22.17	−27 51.0	1.033	1.955	16.4	18.8
9 18	21 17.49	−27 0.6	1.087	1.947	20.6	19.0

130163 1999 YX_5 8 16.2 281.°39 5.°9/14.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 29.22	−27 9.3	1.081	1.949	21.1	18.8
7 20	22 22.34	−26 51.5	1.004	1.934	16.8	18.4
7 30	22 10.83	−26 26.4	0.944	1.920	11.9	18.1
8 9	21 55.64	−25 43.8	0.905	1.905	7.1	17.8
8 19	21 38.61	−24 36.3	0.890	1.891	6.6	17.7
8 29	21 22.27	−23 2.5	0.899	1.876	11.3	17.9
9 8	21 8.94	−21 7.9	0.931	1.862	16.9	18.2
9 18	21 0.01	−19 1.7	0.983	1.848	21.9	18.5

180689 2004 HU_{10} 8 16.2 15.°99 2.°9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 3.92	− 2 33.9	1.929	2.745	15.1	20.1
7 20	22 0.59	− 2 53.1	1.850	2.747	12.2	19.9
7 30	21 55.33	− 3 30.1	1.790	2.748	8.7	19.7
8 9	21 48.67	− 4 22.9	1.755	2.750	5.1	19.4
8 19	21 41.32	− 5 27.5	1.746	2.751	2.9	19.3
8 29	21 34.17	− 6 38.3	1.763	2.753	5.2	19.5
9 8	21 28.09	− 7 49.0	1.807	2.756	8.7	19.7
9 18	21 23.74	− 8 54.0	1.876	2.758	12.1	19.9

117349 2004 XN_{61} 8 16.2 265.°48 3.°0/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.26	− 2 44.8	2.721	3.512	11.9	20.7
7 20	22 1.94	− 2 35.7	2.610	3.490	9.7	20.5
7 30	21 56.04	− 2 37.9	2.521	3.468	7.1	20.3
8 9	21 48.95	− 2 50.9	2.457	3.445	4.5	20.1
8 19	21 41.20	− 3 13.2	2.421	3.422	3.0	20.0
8 29	21 33.45	− 3 42.3	2.414	3.399	4.5	20.1
9 8	21 26.39	− 4 14.9	2.436	3.376	7.3	20.2
9 18	21 20.61	− 4 47.8	2.483	3.352	10.0	20.3

483519 2003 QV_{74} 8 16.2 320.°02 1.°6/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 17.33	−20 7.2	1.947	2.789	14.1	20.3
7 20	22 11.09	−19 35.1	1.847	2.767	11.0	20.0
7 30	22 2.35	−19 2.3	1.771	2.747	7.3	19.8
8 9	21 51.73	−18 25.7	1.720	2.726	3.3	19.5
8 19	21 40.16	−17 42.8	1.697	2.706	2.2	19.4
8 29	21 28.80	−16 52.3	1.704	2.687	6.2	19.6
9 8	21 18.80	−15 54.3	1.738	2.668	10.3	19.8
9 18	21 11.05	−14 50.3	1.796	2.649	14.0	20.0

262649 2006 WY_{60} 8 16.2 229.°03 3.°1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.86	−17 48.0	1.702	2.561	15.0	20.9
7 20	22 5.63	−18 47.6	1.624	2.555	11.5	20.7
7 30	21 58.91	−19 56.3	1.567	2.548	7.5	20.4
8 9	21 50.29	−21 7.2	1.536	2.541	3.8	20.2
8 19	21 40.71	−22 12.8	1.530	2.533	3.9	20.2
8 29	21 31.32	−23 5.9	1.552	2.526	7.8	20.4
9 8	21 23.32	−23 41.9	1.598	2.517	11.8	20.6
9 18	21 17.58	−23 59.3	1.666	2.509	15.4	20.9

360957 2005 UP_{108} 8 16.2 0.°97 5.°1/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 2.99	+ 1 59.5	1.861	2.660	16.2	20.1
7 20	21 59.97	+ 2 8.3	1.780	2.659	13.5	20.0
7 30	21 54.98	+ 1 57.0	1.719	2.658	10.3	19.8
8 9	21 48.55	+ 1 25.8	1.679	2.658	7.2	19.6
8 19	21 41.40	+ 0 36.8	1.665	2.659	5.2	19.5
8 29	21 34.43	− 0 25.2	1.676	2.660	6.2	19.5
9 8	21 28.55	− 1 34.0	1.713	2.662	9.1	19.7
9 18	21 24.44	− 2 43.0	1.774	2.664	12.3	19.9

296241 2009 CN_{60} 8 16.2 296.°88 2.°3/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.71	− 6 8.2	1.881	2.707	15.1	20.9
7 20	22 2.86	− 6 6.6	1.794	2.700	12.0	20.7
7 30	21 56.92	− 6 19.1	1.727	2.692	8.4	20.4
8 9	21 49.41	− 6 44.0	1.685	2.684	4.6	20.2
8 19	21 41.08	− 7 18.3	1.668	2.677	2.4	20.0
8 29	21 32.90	− 7 57.6	1.679	2.669	5.4	20.2
9 8	21 25.84	− 8 36.7	1.715	2.662	9.3	20.4
9 18	21 20.65	− 9 11.5	1.775	2.654	12.9	20.6

278969 2008 UU_{129} 8 16.2 351°.93 3°.7/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 4.93	−19 35.9	1.170	2.062	18.1	20.1
7 20	22 2.69	−20 3.6	1.105	2.053	14.0	19.8
7 30	21 57.37	−20 38.6	1.059	2.046	9.2	19.5
8 9	21 49.73	−21 13.5	1.034	2.040	4.7	19.2
8 19	21 40.96	−21 40.3	1.031	2.036	4.7	19.2
8 29	21 32.62	−21 52.4	1.051	2.033	9.2	19.5
9 8	21 26.17	−21 46.1	1.092	2.032	14.0	19.7
9 18	21 22.60	−21 21.4	1.152	2.032	18.2	20.0

253752 2003 WM_{89} 8 16.2 281°.37 2°.7/18.0 18

7 10	22 8.17	− 5 44.4	1.480	2.319	17.8	20.9
7 20	22 4.61	− 5 44.4	1.395	2.308	14.3	20.6
7 30	21 58.42	− 6 2.6	1.329	2.297	10.1	20.4
8 9	21 50.16	− 6 37.4	1.285	2.286	5.5	20.1
8 19	21 40.77	− 7 24.9	1.266	2.275	2.8	19.9
8 29	21 31.51	− 8 18.8	1.272	2.264	6.5	20.1
9 8	21 23.67	− 9 12.1	1.303	2.253	11.2	20.3
9 18	21 18.22	− 9 58.7	1.355	2.242	15.6	20.6

295215 2008 FJ_{132} 8 16.2 52°.37 3°.3/18.5 17

7 10	22 9.15	− 4 12.3	1.292	2.133	19.8	19.8
7 20	22 5.17	− 4 12.6	1.242	2.155	15.7	19.6
7 30	21 58.53	− 4 34.2	1.211	2.178	11.0	19.4
8 9	21 50.06	− 5 14.2	1.202	2.200	6.2	19.2
8 19	21 40.88	− 6 7.2	1.216	2.223	3.4	19.1
8 29	21 32.33	− 7 5.8	1.255	2.247	6.5	19.3
9 8	21 25.57	− 8 2.2	1.318	2.270	10.9	19.7
9 18	21 21.34	− 8 50.8	1.403	2.294	14.9	20.0

63980 2001 SW_{92} 8 16.2 225°.02 0°.8/16.9 18

7 10	22 9.13	− 9 4.0	1.894	2.726	14.8	20.6
7 20	22 4.75	− 9 24.8	1.806	2.719	11.6	20.4
7 30	21 58.18	− 9 59.0	1.740	2.711	7.8	20.1
8 9	21 49.97	−10 43.3	1.698	2.703	3.6	19.9
8 19	21 40.89	−11 33.3	1.683	2.694	1.3	19.7
8 29	21 31.95	−12 23.5	1.696	2.685	5.5	19.9
9 8	21 24.16	−13 8.8	1.735	2.676	9.6	20.2
9 18	21 18.32	−13 45.2	1.798	2.666	13.3	20.4

479867 2014 GJ_{39} 8 16.2 312°.15 1°.5/14.9 18

7 10	22 5.19	−13 51.2	1.792	2.648	14.5	20.6
7 20	22 1.86	−14 43.3	1.712	2.641	11.1	20.4
7 30	21 56.35	−15 47.1	1.653	2.634	7.2	20.1
8 9	21 49.19	−16 57.4	1.619	2.627	3.1	19.9
8 19	21 41.19	−18 7.5	1.612	2.620	2.4	19.8
8 29	21 33.37	−19 10.7	1.631	2.614	6.5	20.0
9 8	21 26.73	−20 1.3	1.675	2.607	10.5	20.3
9 18	21 22.06	−20 36.5	1.743	2.601	14.1	20.5

504894 2010 XK_{25} 8 16.2 189°.51 13°.0/26.1 18

7 10	22 13.21	+19 6.7	1.947	2.613	19.6	20.9
7 20	22 8.05	+20 50.0	1.864	2.613	17.9	20.8
7 30	22 0.48	+22 9.5	1.797	2.612	16.1	20.6
8 9	21 51.01	+22 59.1	1.749	2.610	14.4	20.5
8 19	21 40.47	+23 14.9	1.722	2.608	13.2	20.4
8 29	21 29.97	+22 56.4	1.717	2.606	13.0	20.4
9 8	21 20.63	+22 7.6	1.735	2.603	13.8	20.5
9 18	21 13.39	+20 56.0	1.773	2.600	15.3	20.6

28370 1999 GK_{34} 8 16.2 184°.14 1°.9/14.7 18

7 10	22 10.75	−18 30.9	2.200	3.045	12.5	18.4
7 20	22 5.61	−18 48.0	2.122	3.045	9.6	18.2
7 30	21 58.51	−19 8.9	2.067	3.045	6.3	18.0
8 9	21 50.03	−19 29.8	2.038	3.044	2.9	17.8
8 19	21 40.91	−19 46.7	2.038	3.044	2.5	17.7
8 29	21 32.07	−19 56.0	2.065	3.043	5.8	18.0
9 8	21 24.36	−19 55.7	2.119	3.042	9.1	18.2
9 18	21 18.46	−19 45.2	2.198	3.041	12.1	18.4

470779 2008 UO_{266} 8 16.2 310°.59 1°.9/15.1 18

7 10	22 7.73	−16 4.3	1.486	2.354	16.3	21.1
7 20	22 4.52	−16 25.8	1.391	2.326	12.7	20.8
7 30	21 58.54	−16 57.5	1.316	2.299	8.4	20.5
8 9	21 50.31	−17 34.4	1.264	2.272	3.7	20.1
8 19	21 40.74	−18 10.2	1.236	2.245	2.8	20.0
8 29	21 31.16	−18 38.4	1.234	2.219	7.7	20.2
9 8	21 22.97	−18 53.7	1.255	2.193	12.7	20.4
9 18	21 17.28	−18 53.7	1.296	2.168	17.1	20.6

137692 1999 XU_{62} 8 16.2 294°.43 3°.3/13.7 18

7 10	22 8.07	−19 30.2	1.747	2.611	14.4	20.3
7 20	22 4.23	−20 17.9	1.667	2.600	11.1	20.1
7 30	21 57.98	−21 12.3	1.608	2.589	7.4	19.8
8 9	21 49.93	−22 7.1	1.574	2.578	4.0	19.6
8 19	21 40.93	−22 55.6	1.566	2.567	4.2	19.6
8 29	21 32.13	−23 31.6	1.584	2.557	7.7	19.8
9 8	21 24.65	−23 51.3	1.626	2.546	11.6	20.0
9 18	21 19.35	−23 53.8	1.690	2.536	15.1	20.2

206695 2004 AH_2 8 16.2 185°.63 0°.7/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 8.10	−10 9.1	2.056	2.888	13.8	20.8
7 20	22 3.69	−10 20.3	1.975	2.888	10.7	20.6
7 30	21 57.33	−10 42.0	1.916	2.888	7.2	20.3
8 9	21 49.56	−11 11.4	1.883	2.888	3.3	20.1
8 19	21 41.10	−11 44.8	1.876	2.887	1.1	19.9
8 29	21 32.85	−12 18.1	1.898	2.887	5.0	20.2
9 8	21 25.71	−12 47.1	1.946	2.886	8.8	20.4
9 18	21 20.33	−13 9.0	2.018	2.885	12.1	20.7

321373 2009 OK_8 8 16.2 4°.18 15°.2/25.0 18

7 10	22 11.38	+16 55.5	1.635	2.341	21.6	18.7
7 20	22 7.00	+19 41.3	1.566	2.341	19.8	18.5
7 30	21 59.98	+22 3.9	1.514	2.342	17.9	18.4
8 9	21 50.86	+23 54.9	1.480	2.344	16.4	18.3
8 19	21 40.55	+25 7.9	1.467	2.348	15.4	18.2
8 29	21 30.30	+25 40.3	1.474	2.353	15.3	18.2
9 8	21 21.42	+25 35.8	1.500	2.360	16.1	18.3
9 18	21 14.91	+25 1.5	1.546	2.367	17.4	18.4

230315 2002 CT_{26} 8 16.2 274°.21 1°.8/14.9 18

7 10	22 9.93	−16 12.7	1.745	2.599	14.9	20.4
7 20	22 5.70	−16 40.9	1.655	2.583	11.5	20.2
7 30	21 59.00	−17 17.7	1.587	2.567	7.5	19.9
8 9	21 50.39	−17 58.4	1.543	2.550	3.3	19.6
8 19	21 40.75	−18 37.0	1.525	2.533	2.6	19.5
8 29	21 31.22	−19 7.9	1.534	2.516	6.9	19.7
9 8	21 22.99	−19 26.9	1.569	2.500	11.2	20.0
9 18	21 16.94	−19 32.2	1.625	2.482	15.0	20.2

149884 Radebeul 8 16.2 145°.22 4°.1/12.7 18

7 10	22 10.15	−25 1.5	2.282	3.134	11.9	20.2
7 20	22 5.14	−25 38.5	2.212	3.136	9.2	20.0
7 30	21 58.19	−26 15.3	2.166	3.138	6.4	19.9
8 9	21 49.89	−26 46.8	2.145	3.140	4.3	19.7
8 19	21 41.00	−27 8.4	2.153	3.142	4.7	19.8
8 29	21 32.42	−27 16.7	2.187	3.144	7.1	19.9
9 8	21 25.00	−27 10.5	2.248	3.146	9.9	20.1
9 18	21 19.38	−26 50.2	2.331	3.147	12.4	20.3

367498 2009 HB_{56} 8 16.2 61°.93 1°.1/16.9 17

7 10	22 10.90	− 9 39.2	1.311	2.166	18.8	20.8
7 20	22 6.69	− 9 44.9	1.253	2.178	14.6	20.6
7 30	21 59.66	−10 6.3	1.213	2.189	9.8	20.4
8 9	21 50.63	−10 39.5	1.195	2.201	4.5	20.1
8 19	21 40.73	−11 18.9	1.202	2.213	1.6	19.9
8 29	21 31.38	−11 57.8	1.234	2.225	6.6	20.3
9 8	21 23.84	−12 30.3	1.289	2.238	11.5	20.6
9 18	21 18.95	−12 52.8	1.366	2.250	15.7	20.9

318553 2005 GB_{42} 8 16.2 222°.27 1°.4/17.5 18

7 10	22 6.49	− 6 39.7	2.029	2.853	14.2	21.1
7 20	22 2.56	− 7 5.4	1.943	2.849	11.2	20.9
7 30	21 56.66	− 7 45.5	1.878	2.845	7.7	20.7
8 9	21 49.31	− 8 37.5	1.838	2.840	3.9	20.4
8 19	21 41.22	− 9 37.0	1.825	2.835	1.6	20.3
8 29	21 33.27	−10 38.5	1.839	2.829	5.0	20.5
9 8	21 26.35	−11 36.8	1.881	2.824	8.8	20.7
9 18	21 21.18	−12 27.2	1.947	2.818	12.3	20.9

375201 2008 EK_{74} 8 16.2 91°.43 1°.0/15.5 17

7 10	22 8.61	−12 11.0	1.531	2.387	16.5	21.4
7 20	22 4.69	−13 0.4	1.466	2.394	12.7	21.2
7 30	21 58.26	−14 3.8	1.422	2.402	8.2	20.9
8 9	21 50.03	−15 15.1	1.402	2.410	3.4	20.7
8 19	21 40.96	−16 26.8	1.407	2.417	2.0	20.6
8 29	21 32.27	−17 31.2	1.439	2.425	6.7	20.9
9 8	21 25.09	−18 22.5	1.495	2.432	11.1	21.2
9 18	21 20.23	−18 57.6	1.574	2.440	15.0	21.5

288199 2003 YL_3 8 16.2 220°.94 6°.4/ 9.8 18

7 10	22 13.58	−33 6.3	2.523	3.364	11.2	21.6
7 20	22 7.87	−34 7.3	2.446	3.354	9.1	21.5
7 30	22 0.08	−35 4.1	2.394	3.344	7.3	21.3
8 9	21 50.75	−35 50.3	2.368	3.332	6.4	21.3
8 19	21 40.69	−36 20.6	2.369	3.321	7.0	21.3
8 29	21 30.85	−36 31.3	2.397	3.308	8.9	21.4
9 8	21 22.16	−36 21.8	2.450	3.295	11.1	21.5
9 18	21 15.36	−35 53.7	2.525	3.282	13.2	21.7

340546 2006 KN_{22} 8 16.2 122°.30 4°.3/12.1 18

7 10	22 9.11	−22 19.4	2.030	2.887	12.9	20.6
7 20	22 4.57	−23 39.2	1.970	2.898	9.9	20.4
7 30	21 57.95	−25 2.3	1.933	2.909	6.8	20.3
8 9	21 49.83	−26 21.6	1.923	2.920	4.5	20.1
8 19	21 41.05	−27 30.2	1.941	2.930	5.1	20.2
8 29	21 32.59	−28 22.5	1.985	2.940	7.8	20.4
9 8	21 25.37	−28 55.8	2.055	2.949	10.8	20.6
9 18	21 20.09	−29 10.0	2.147	2.958	13.5	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
446623 2015 MK_{85}			8 16.2	9°.48	0°.8/16.9	18
	h m	° ′			°	m
7 10	22 6.21	− 9 37.7	1.867	2.707	14.6	21.4
7 20	22 2.44	− 9 54.1	1.790	2.708	11.4	21.2
7 30	21 56.62	−10 22.7	1.735	2.708	7.6	21.0
8 9	21 49.29	−11 0.5	1.704	2.709	3.5	20.8
8 19	21 41.25	−11 43.2	1.699	2.710	1.2	20.6
8 29	21 33.46	−12 25.6	1.722	2.712	5.3	20.9
9 8	21 26.83	−13 3.1	1.770	2.713	9.3	21.1
9 18	21 22.08	−13 32.3	1.842	2.715	12.8	21.3
163129 2002 CH_{1}			8 16.2	302°.76	4°.7/13.5	18
7 10	22 10.11	−20 45.6	1.251	2.132	17.8	19.8
7 20	22 6.85	−21 32.4	1.172	2.114	13.9	19.5
7 30	22 0.31	−22 27.3	1.113	2.097	9.4	19.2
8 9	21 51.14	−23 21.8	1.076	2.080	5.4	18.9
8 19	21 40.51	−24 6.3	1.062	2.063	5.7	18.9
8 29	21 30.07	−24 32.3	1.071	2.046	10.1	19.1
9 8	21 21.49	−24 35.4	1.102	2.030	15.0	19.3
9 18	21 15.96	−24 15.8	1.151	2.014	19.5	19.5
207559 2006 OQ_{1}			8 16.2	28°.08	3°.1/13.8	18
7 10	22 6.06	−17 41.6	1.567	2.438	15.5	19.7
7 20	22 2.71	−18 39.8	1.507	2.444	11.8	19.4
7 30	21 56.95	−19 46.4	1.469	2.452	7.7	19.2
8 9	21 49.47	−20 54.3	1.454	2.460	3.8	19.0
8 19	21 41.22	−21 55.8	1.464	2.468	3.9	19.1
8 29	21 33.36	−22 44.1	1.501	2.477	7.7	19.3
9 8	21 26.97	−23 15.3	1.561	2.486	11.6	19.6
9 18	21 22.82	−23 28.1	1.642	2.496	15.0	19.8
254113 2004 ND_{14}			8 16.3	7°.31	1°.9/17.6	18
7 10	22 2.24	− 7 52.5	1.405	2.265	17.5	19.7
7 20	21 59.94	− 7 52.4	1.341	2.267	13.8	19.5
7 30	21 55.22	− 8 8.7	1.295	2.270	9.4	19.3
8 9	21 48.76	− 8 38.8	1.271	2.275	4.8	19.0
8 19	21 41.49	− 9 17.9	1.271	2.282	2.0	18.9
8 29	21 34.58	−10 0.1	1.296	2.289	6.0	19.1
9 8	21 29.13	−10 39.1	1.344	2.299	10.5	19.4
9 18	21 25.90	−11 10.2	1.414	2.309	14.5	19.7
262109 2006 RD_{122}			8 16.3	260°.43	0°.7/16.8	18
7 10	22 8.83	− 9 5.8	1.654	2.495	16.2	21.9
7 20	22 4.97	− 9 31.8	1.562	2.480	12.7	21.6
7 30	21 58.61	−10 13.7	1.491	2.465	8.6	21.3
8 9	21 50.29	−11 8.1	1.443	2.449	3.9	21.0
8 19	21 40.86	−12 9.7	1.421	2.432	1.3	20.8
8 29	21 31.50	−13 11.6	1.426	2.416	6.2	21.1
9 8	21 23.38	−14 7.1	1.456	2.399	10.9	21.3
9 18	21 17.48	−14 51.3	1.508	2.382	15.1	21.5
173775 2001 SZ_{15}			8 16.3	318°.31	0°.4/16.6	18
7 10	22 5.42	−10 7.6	1.856	2.700	14.6	20.1
7 20	22 1.95	−10 30.5	1.772	2.692	11.4	19.9
7 30	21 56.37	−11 6.1	1.710	2.685	7.6	19.7
8 9	21 49.24	−11 51.1	1.672	2.678	3.4	19.4
8 19	21 41.30	−12 40.7	1.660	2.671	1.2	19.2
8 29	21 33.54	−13 29.5	1.675	2.664	5.5	19.5
9 8	21 26.90	−14 12.3	1.715	2.658	9.6	19.7
9 18	21 22.14	−14 45.6	1.779	2.652	13.2	19.9
26513 Newberry			8 16.3	59°.64	3°.8/19.0	18
7 10	22 7.53	− 2 33.0	1.474	2.303	18.4	18.9
7 20	22 3.88	− 2 35.3	1.408	2.312	14.8	18.7
7 30	21 57.76	− 2 58.6	1.361	2.321	10.7	18.5
8 9	21 49.84	− 3 41.3	1.335	2.330	6.3	18.3
8 19	21 41.10	− 4 39.0	1.334	2.339	3.8	18.1
8 29	21 32.72	− 5 44.8	1.358	2.349	6.3	18.3
9 8	21 25.84	− 6 51.1	1.407	2.358	10.4	18.6
9 18	21 21.25	− 7 51.2	1.478	2.368	14.3	18.8
509899 2009 CQ_{38}			8 16.3	306°.36	0°.8/16.8	18
7 10	22 8.89	−11 0.7	1.753	2.596	15.3	21.2
7 20	22 4.76	−10 56.3	1.667	2.586	12.0	21.0
7 30	21 58.30	−11 2.5	1.602	2.576	8.1	20.7
8 9	21 50.10	−11 16.7	1.561	2.566	3.7	20.5
8 19	21 40.99	−11 35.4	1.546	2.557	1.3	20.3
8 29	21 32.06	−11 54.4	1.557	2.547	5.7	20.5
9 8	21 24.39	−12 9.6	1.594	2.538	10.0	20.8
9 18	21 18.81	−12 18.2	1.654	2.530	13.9	21.0
92293 2000 EX_{105}			8 16.3	43°.26	8°.0/12.1	18
7 10	22 12.64	−25 30.3	0.954	1.852	20.6	18.4
7 20	22 8.88	−26 49.8	0.924	1.873	16.0	18.2
7 30	22 1.39	−28 8.3	0.912	1.894	11.3	18.0
8 9	21 51.39	−29 12.5	0.920	1.916	8.2	17.9
8 19	21 40.59	−29 51.3	0.950	1.939	8.9	18.0
8 29	21 30.96	−29 59.2	1.000	1.963	12.5	18.3
9 8	21 24.01	−29 37.5	1.071	1.987	16.5	18.6
9 18	21 20.52	−28 51.2	1.159	2.012	20.0	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
446220 2013 GG_{56}			8 16.3	139°.17	1°.1/17.4	18
	h m	° ′			°	m
7 10	22 5.12	− 7 29.8	2.469	3.288	12.1	21.8
7 20	22 1.09	− 7 54.4	2.389	3.293	9.5	21.6
7 30	21 55.49	− 8 30.0	2.332	3.298	6.4	21.4
8 9	21 48.77	− 9 14.1	2.300	3.303	3.2	21.2
8 19	21 41.53	−10 3.3	2.297	3.307	1.2	21.1
8 29	21 34.46	−10 53.4	2.322	3.312	4.2	21.3
9 8	21 28.26	−11 40.5	2.375	3.316	7.4	21.5
9 18	21 23.48	−12 21.3	2.454	3.320	10.2	21.7
25878 Sihengyou			8 16.3	240°.35	1°.8/17.5	18
7 10	22 10.02	− 6 48.7	1.636	2.468	16.7	20.2
7 20	22 5.87	− 7 3.4	1.547	2.457	13.3	20.0
7 30	21 59.20	− 7 35.0	1.478	2.446	9.2	19.7
8 9	21 50.56	− 8 21.3	1.432	2.434	4.7	19.4
8 19	21 40.83	− 9 17.4	1.412	2.422	2.0	19.2
8 29	21 31.20	−10 17.2	1.418	2.409	6.1	19.4
9 8	21 22.87	−11 13.7	1.450	2.395	10.7	19.7
9 18	21 16.79	−12 1.6	1.505	2.382	14.9	19.9
77197 2001 FB_{17}			8 16.3	186°.49	2°.4/14.4	17
7 10	22 12.94	−17 40.2	1.883	2.730	14.2	20.7
7 20	22 7.71	−18 21.1	1.806	2.730	10.9	20.4
7 30	22 0.14	−19 8.7	1.752	2.730	7.1	20.2
8 9	21 50.86	−19 57.6	1.723	2.729	3.4	20.0
8 19	21 40.75	−20 41.8	1.722	2.727	3.1	20.0
8 29	21 30.92	−21 15.8	1.748	2.724	6.8	20.2
9 8	21 22.42	−21 36.2	1.800	2.721	10.6	20.4
9 18	21 16.05	−21 42.2	1.876	2.717	14.0	20.6
311432 2005 US_{175}			8 16.3	163°.66	3°.7/12.4	18
7 10	22 8.50	−24 36.6	2.676	3.524	10.5	21.3
7 20	22 3.64	−25 22.4	2.606	3.528	8.1	21.2
7 30	21 57.14	−26 8.6	2.560	3.531	5.6	21.0
8 9	21 49.48	−26 50.5	2.540	3.534	3.8	20.9
8 19	21 41.30	−27 24.0	2.550	3.537	4.2	21.0
8 29	21 33.35	−27 45.7	2.587	3.540	6.3	21.1
9 8	21 26.35	−27 54.0	2.651	3.542	8.8	21.3
9 18	21 20.86	−27 48.9	2.738	3.544	11.1	21.4
13162 Ryokkochigaku			8 16.3	341°.25	5°.4/19.3	18
7 10	22 5.56	− 2 53.8	1.213	2.061	20.4	17.0
7 20	22 3.05	− 2 14.1	1.138	2.052	16.8	16.7
7 30	21 57.64	− 1 55.2	1.080	2.043	12.4	16.5
8 9	21 49.96	− 1 58.3	1.042	2.036	8.0	16.2
8 19	21 41.07	− 2 21.6	1.026	2.029	5.4	16.0
8 29	21 32.39	− 3 0.3	1.033	2.024	7.8	16.2
9 8	21 25.36	− 3 46.5	1.062	2.019	12.3	16.4
9 18	21 21.04	− 4 32.6	1.111	2.015	16.8	16.6
325958 2010 VJ_{99}			8 16.3	212°.21	7°.4/26.8	18
7 10	22 4.83	+18 50.5	3.464	4.096	12.1	21.6
7 20	22 0.57	+19 19.7	3.359	4.087	11.0	21.5
7 30	21 55.04	+19 32.4	3.272	4.078	9.7	21.4
8 9	21 48.58	+19 26.9	3.206	4.068	8.5	21.3
8 19	21 41.62	+19 2.6	3.164	4.058	7.6	21.2
8 29	21 34.70	+18 20.4	3.148	4.048	7.4	21.2
9 8	21 28.34	+17 23.3	3.158	4.036	7.9	21.2
9 18	21 23.03	+16 15.0	3.193	4.025	9.0	21.3
479803 2014 FU_{27}			8 16.3	227°.14	1°.0/17.1	18
7 10	22 8.30	− 9 11.7	2.011	2.841	14.1	21.8
7 20	22 3.97	− 9 21.8	1.926	2.837	11.0	21.6
7 30	21 57.61	− 9 43.3	1.862	2.833	7.5	21.4
8 9	21 49.77	−10 13.8	1.824	2.828	3.5	21.1
8 19	21 41.17	−10 49.5	1.813	2.824	1.3	20.9
8 29	21 32.76	−11 26.1	1.829	2.819	5.1	21.2
9 8	21 25.43	−11 59.2	1.872	2.814	9.0	21.4
9 18	21 19.92	−12 25.5	1.939	2.809	12.4	21.6
211507 2003 QP_{26}			8 16.3	41°.72	8°.8/25.3	18
7 10	22 2.15	+14 51.4	1.104	1.883	26.2	18.8
7 20	22 0.30	+13 50.8	1.051	1.905	22.5	18.6
7 30	21 55.64	+12 0.2	1.012	1.928	18.1	18.4
8 9	21 48.98	+ 9 20.4	0.991	1.952	13.4	18.2
8 19	21 41.50	+ 6 0.5	0.992	1.976	9.6	18.1
8 29	21 34.59	+ 2 18.0	1.017	2.002	9.1	18.2
9 8	21 29.51	− 1 25.0	1.068	2.028	11.9	18.4
9 18	21 27.06	− 4 49.5	1.142	2.054	15.9	18.7
485757 2012 BN_{136}			8 16.3	183°.90	4°.0/21.4	18
7 10	22 3.78	+ 4 20.8	3.023	3.774	11.6	22.2
7 20	21 59.82	+ 4 10.1	2.928	3.774	9.7	22.1
7 30	21 54.56	+ 3 44.8	2.855	3.774	7.5	21.9
8 9	21 48.37	+ 3 5.3	2.807	3.773	5.4	21.8
8 19	21 41.72	+ 2 13.4	2.787	3.772	4.1	21.7
8 29	21 35.16	+ 1 12.2	2.795	3.771	4.6	21.7
9 8	21 29.26	+ 0 5.6	2.832	3.769	6.5	21.8
9 18	21 24.49	− 1 2.1	2.895	3.767	8.7	22.0

374884 2006 WV_8 8 16.3 255°.72 0°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 9.46	−10 12.2	1.789	2.627	15.2	22.0
7 20	22 5.32	−10 41.0	1.692	2.610	12.0	21.7
7 30	21 58.79	−11 24.1	1.618	2.592	8.0	21.5
8 9	21 50.39	−12 17.8	1.567	2.573	3.5	21.2
8 19	21 40.92	−13 16.8	1.543	2.554	1.3	21.0
8 29	21 31.47	−14 14.9	1.546	2.535	6.0	21.2
9 8	21 23.18	−15 5.9	1.575	2.515	10.5	21.5
9 18	21 16.96	−15 45.7	1.628	2.494	14.5	21.7

385559 2004 TY_{92} 8 16.3 313°.58 0°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.23	−11 55.8	1.530	2.387	16.4	21.6
7 20	22 3.87	−12 8.8	1.446	2.374	12.8	21.3
7 30	21 57.95	−12 34.5	1.381	2.360	8.5	21.1
8 9	21 50.04	−13 9.3	1.340	2.347	3.7	20.7
8 19	21 41.06	−13 48.1	1.323	2.334	1.4	20.5
8 29	21 32.24	−14 24.7	1.332	2.322	6.5	20.8
9 8	21 24.81	−14 53.7	1.365	2.310	11.3	21.1
9 18	21 19.70	−15 11.7	1.420	2.299	15.5	21.3

439456 2013 YH_{18} 8 16.3 124°.53 5°.3/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.82	+ 2 6.9	2.091	2.865	15.5	21.2
7 20	22 5.66	+ 2 35.4	2.017	2.879	12.8	21.1
7 30	21 58.58	+ 2 46.9	1.963	2.893	9.8	20.9
8 9	21 50.14	+ 2 41.2	1.933	2.905	7.0	20.8
8 19	21 41.07	+ 2 19.6	1.930	2.918	5.3	20.7
8 29	21 32.29	+ 1 45.4	1.954	2.930	6.2	20.8
9 8	21 24.63	+ 1 3.2	2.004	2.941	8.7	20.9
9 18	21 18.74	+ 0 18.1	2.079	2.952	11.5	21.1

340273 2006 BP_{193} 8 16.3 46°.27 1°.1/17.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.81	− 8 14.0	1.558	2.404	16.7	21.1
7 20	22 3.22	− 8 37.2	1.493	2.413	13.1	20.8
7 30	21 57.27	− 9 16.4	1.449	2.423	8.8	20.6
8 9	21 49.65	−10 7.7	1.427	2.432	4.1	20.4
8 19	21 41.26	−11 5.4	1.431	2.442	1.4	20.2
8 29	21 33.24	−12 2.8	1.461	2.452	5.8	20.5
9 8	21 26.65	−12 53.9	1.516	2.463	10.2	20.8
9 18	21 22.24	−13 34.2	1.593	2.474	14.0	21.1

482384 2012 AT_7 8 16.3 260°.46 3°.9/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.62	− 0 51.8	2.404	3.192	13.3	20.9
7 20	22 2.38	− 0 30.9	2.308	3.183	10.9	20.7
7 30	21 56.44	− 0 23.1	2.234	3.175	8.2	20.5
8 9	21 49.25	− 0 28.5	2.184	3.166	5.5	20.3
8 19	21 41.40	− 0 45.7	2.161	3.157	3.9	20.2
8 29	21 33.64	− 1 12.3	2.166	3.148	5.2	20.3
9 8	21 26.72	− 1 44.5	2.198	3.139	7.9	20.5
9 18	21 21.27	− 2 18.5	2.255	3.130	10.7	20.6

221414 2005 YN_{134} 8 16.3 161°.72 0°.0/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.88	−12 42.0	2.584	3.412	11.4	20.3
7 20	22 3.13	−12 49.5	2.503	3.415	8.8	20.2
7 30	21 56.80	−13 3.5	2.445	3.417	5.8	20.0
8 9	21 49.35	−13 21.5	2.413	3.419	2.5	19.8
8 19	21 41.39	−13 40.8	2.410	3.421	0.9	19.6
8 29	21 33.63	−13 58.4	2.437	3.423	4.3	19.9
9 8	21 26.76	−14 11.7	2.491	3.425	7.4	20.1
9 18	21 21.32	−14 19.1	2.570	3.426	10.2	20.3

325034 2008 CB_{75} 8 16.3 251°.77 4°.6/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.30	−21 8.2	1.669	2.532	15.0	21.2
7 20	22 7.04	−22 20.5	1.585	2.517	11.6	20.9
7 30	22 0.08	−23 40.5	1.522	2.501	7.9	20.7
8 9	21 51.00	−25 0.1	1.484	2.484	5.0	20.5
8 19	21 40.72	−26 10.5	1.472	2.467	5.6	20.5
8 29	21 30.54	−27 3.7	1.487	2.450	9.1	20.6
9 8	21 21.76	−27 35.2	1.525	2.432	13.1	20.8
9 18	21 15.41	−27 44.2	1.584	2.413	16.7	21.0

418314 2008 FO_{97} 8 16.3 167°.91 0°.1/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.04	−11 30.4	1.814	2.650	15.1	22.0
7 20	22 7.00	−11 49.5	1.737	2.654	11.7	21.8
7 30	21 59.68	−12 19.7	1.683	2.657	7.8	21.6
8 9	21 50.68	−12 57.2	1.653	2.660	3.4	21.3
8 19	21 40.89	−13 37.2	1.651	2.662	1.2	21.2
8 29	21 31.40	−14 14.5	1.676	2.663	5.7	21.5
9 8	21 23.23	−14 44.7	1.727	2.664	9.9	21.8
9 18	21 17.16	−15 5.2	1.802	2.665	13.5	22.0

476897 2008 WJ_{20} 8 16.3 356°.47 2°.4/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 3.92	−16 34.9	1.186	2.074	18.2	20.4
7 20	22 1.84	−17 2.0	1.122	2.069	14.0	20.1
7 30	21 56.82	−17 39.9	1.077	2.064	9.1	19.8
8 9	21 49.59	−18 22.0	1.053	2.061	4.1	19.6
8 19	21 41.30	−19 0.6	1.052	2.060	3.4	19.5
8 29	21 33.41	−19 28.5	1.073	2.060	8.3	19.8
9 8	21 27.32	−19 40.7	1.116	2.061	13.2	20.1
9 18	21 23.97	−19 35.6	1.179	2.064	17.5	20.4

338648 2003 SQ_{324} 8 16.3 91°.43 3°.9/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 14.68	−23 15.6	1.804	2.659	14.4	20.3
7 20	22 9.02	−23 37.8	1.740	2.666	11.1	20.1
7 30	22 0.94	−24 0.6	1.698	2.674	7.5	19.9
8 9	21 51.18	−24 18.2	1.681	2.682	4.4	19.8
8 19	21 40.76	−24 25.6	1.691	2.689	4.5	19.8
8 29	21 30.83	−24 19.3	1.728	2.697	7.6	20.0
9 8	21 22.47	−23 58.5	1.790	2.704	11.1	20.2
9 18	21 16.42	−23 24.4	1.875	2.711	14.2	20.4

38283 1999 RK_{59} 8 16.3 111°.02 0°.8/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.63	− 8 1.7	1.794	2.631	15.3	19.0
7 20	22 2.89	− 8 37.9	1.719	2.634	11.9	18.8
7 30	21 57.01	− 9 29.5	1.664	2.636	8.0	18.6
8 9	21 49.56	−10 32.6	1.634	2.639	3.7	18.3
8 19	21 41.35	−11 41.8	1.631	2.642	1.2	18.1
8 29	21 33.38	−12 50.3	1.655	2.645	5.5	18.4
9 8	21 26.62	−13 52.2	1.704	2.647	9.6	18.7
9 18	21 21.81	−14 42.9	1.778	2.650	13.2	18.9

517889 2015 SL_{24} 8 16.3 252°.32 8°.4/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 3.70	+18 33.6	2.840	3.493	14.2	21.8
7 20	22 0.05	+18 58.1	2.733	3.479	12.9	21.6
7 30	21 54.89	+19 2.3	2.644	3.465	11.3	21.5
8 9	21 48.61	+18 44.0	2.575	3.451	9.8	21.4
8 19	21 41.71	+18 2.6	2.529	3.436	8.7	21.3
8 29	21 34.83	+16 59.3	2.508	3.421	8.4	21.2
9 8	21 28.64	+15 38.1	2.512	3.406	9.1	21.3
9 18	21 23.69	+14 4.4	2.542	3.391	10.5	21.3

440915 2006 VK_{113} 8 16.3 267°.61 5°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.89	−28 41.0	2.190	3.046	12.2	21.3
7 20	22 5.33	−29 42.6	2.110	3.033	9.7	21.1
7 30	21 58.61	−30 43.2	2.054	3.019	7.2	20.9
8 9	21 50.27	−31 36.3	2.023	3.005	5.8	20.8
8 19	21 41.10	−32 15.5	2.019	2.991	6.5	20.8
8 29	21 32.11	−32 36.4	2.041	2.977	8.8	20.9
9 8	21 24.30	−32 37.3	2.088	2.963	11.5	21.1
9 18	21 18.42	−32 19.0	2.156	2.949	14.1	21.2

37449 4235 $P\text{–}L$ 8 16.3 17°.06 0°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.99	−13 27.1	1.053	1.934	20.5	18.6
7 20	22 6.70	−13 16.9	0.997	1.937	15.9	18.3
7 30	22 0.07	−13 19.6	0.958	1.942	10.5	18.0
8 9	21 51.00	−13 30.7	0.940	1.948	4.5	17.7
8 19	21 40.85	−13 44.6	0.943	1.954	1.7	17.5
8 29	21 31.33	−13 55.3	0.969	1.962	7.7	17.9
9 8	21 23.98	−13 57.9	1.017	1.970	13.2	18.3
9 18	21 19.75	−13 50.3	1.084	1.980	17.9	18.6

511021 2013 QQ_{25} 8 16.3 282°.97 0°.1/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.24	−10 15.7	1.525	2.377	16.8	21.7
7 20	22 4.87	−10 45.7	1.429	2.354	13.2	21.4
7 30	21 58.80	−11 32.5	1.353	2.330	8.9	21.1
8 9	21 50.54	−12 32.4	1.300	2.307	3.9	20.7
8 19	21 40.96	−13 39.4	1.272	2.283	1.4	20.5
8 29	21 31.33	−14 45.6	1.269	2.259	6.8	20.8
9 8	21 22.99	−15 43.3	1.291	2.235	11.9	21.0
9 18	21 17.04	−16 27.5	1.335	2.210	16.5	21.2

362554 2010 VZ_1 8 16.3 228°.95 3°.4/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.81	− 1 45.4	2.373	3.168	13.3	21.5
7 20	22 1.75	− 1 37.2	2.284	3.165	10.8	21.3
7 30	21 56.03	− 1 42.5	2.216	3.163	7.9	21.1
8 9	21 49.10	− 2 0.7	2.174	3.161	5.1	20.9
8 19	21 41.57	− 2 29.9	2.158	3.158	3.4	20.8
8 29	21 34.16	− 3 6.9	2.170	3.155	4.9	20.9
9 8	21 27.63	− 3 47.6	2.209	3.153	7.7	21.1
9 18	21 22.57	− 4 28.1	2.274	3.150	10.6	21.2

363670 2004 TP_{62} 8 16.3 119°.55 3°.0/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.97	−21 52.7	2.370	3.220	11.6	21.2
7 20	22 4.19	−22 22.7	2.298	3.223	8.9	21.0
7 30	21 57.60	−22 54.4	2.250	3.226	5.9	20.9
8 9	21 49.76	−23 23.6	2.227	3.229	3.4	20.7
8 19	21 41.36	−23 45.9	2.233	3.231	3.5	20.7
8 29	21 33.24	−23 58.2	2.267	3.234	6.1	20.9
9 8	21 26.17	−23 58.7	2.327	3.237	9.0	21.1
9 18	21 20.77	−23 47.2	2.411	3.240	11.7	21.3

126453 2002 CO_{24} 8 16.3 176°.82 2°.9/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.72	− 3 37.4	2.216	3.016	13.9	20.6
7 20	22 4.85	− 3 35.7	2.130	3.018	11.2	20.4
7 30	21 58.11	− 3 47.7	2.066	3.019	8.0	20.2
8 9	21 50.02	− 4 12.0	2.028	3.020	4.8	20.0
8 19	21 41.26	− 4 46.1	2.016	3.021	2.9	19.9
8 29	21 32.68	− 5 26.3	2.033	3.021	4.9	20.1
9 8	21 25.11	− 6 8.1	2.078	3.020	8.2	20.3
9 18	21 19.20	− 6 47.6	2.148	3.019	11.3	20.5

65088 2002 BU_{23} 8 16.3 227°.99 5°.0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 9.25	−27 10.0	2.321	3.176	11.6	20.1
7 20	22 4.62	−28 7.0	2.248	3.171	9.1	20.0
7 30	21 58.02	−29 3.6	2.198	3.166	6.6	19.8
8 9	21 49.99	−29 53.7	2.174	3.161	5.1	19.7
8 19	21 41.28	−30 31.9	2.177	3.156	5.7	19.7
8 29	21 32.79	−30 54.2	2.208	3.150	7.9	19.9
9 8	21 25.40	−30 58.9	2.263	3.145	10.5	20.0
9 18	21 19.80	−30 46.6	2.341	3.139	12.9	20.2

155013 2005 QK_{7} 8 16.3 289°.16 0°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.39	−11 8.8	1.567	2.421	16.3	20.9
7 20	22 4.07	−11 39.8	1.475	2.401	12.8	20.6
7 30	21 58.19	−12 26.2	1.404	2.382	8.5	20.3
8 9	21 50.25	−13 23.9	1.355	2.363	3.7	20.0
8 19	21 41.13	−14 26.7	1.332	2.343	1.5	19.8
8 29	21 32.05	−15 27.2	1.335	2.324	6.7	20.1
9 8	21 24.25	−16 18.6	1.362	2.304	11.5	20.3
9 18	21 18.75	−16 56.4	1.411	2.285	15.9	20.5

435640 2008 ST_{193} 8 16.3 6°.04 2°.4/14.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.78	−15 24.6	1.317	2.195	17.3	21.2
7 20	22 2.22	−16 14.4	1.254	2.195	13.3	21.0
7 30	21 56.94	−17 16.8	1.211	2.196	8.6	20.7
8 9	21 49.65	−18 24.5	1.190	2.198	3.9	20.4
8 19	21 41.40	−19 29.0	1.193	2.201	3.4	20.4
8 29	21 33.54	−20 22.1	1.221	2.204	8.0	20.7
9 8	21 27.32	−20 58.0	1.271	2.209	12.6	21.0
9 18	21 23.63	−21 14.8	1.341	2.214	16.6	21.3

160666 2000 AW_{100} 8 16.3 309°.56 8°.4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.53	−29 35.1	1.580	2.457	15.0	19.3
7 20	22 4.50	−31 18.3	1.505	2.438	12.1	19.1
7 30	21 58.61	−33 2.9	1.452	2.419	9.5	18.9
8 9	21 50.46	−34 38.0	1.423	2.400	8.4	18.7
8 19	21 41.06	−35 52.6	1.418	2.382	9.7	18.8
8 29	21 31.78	−36 38.9	1.436	2.364	12.5	18.9
9 8	21 24.07	−36 53.9	1.476	2.346	15.7	19.1
9 18	21 18.97	−36 39.1	1.533	2.329	18.7	19.2

247359 2001 WC_{84} 8 16.3 319°.38 6°.2/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.23	+ 4 33.9	2.011	2.786	16.0	20.8
7 20	22 1.68	+ 5 2.2	1.922	2.780	13.5	20.6
7 30	21 56.19	+ 5 11.5	1.853	2.775	10.7	20.4
8 9	21 49.25	+ 5 0.5	1.806	2.770	8.0	20.3
8 19	21 41.55	+ 4 30.2	1.783	2.765	6.3	20.2
8 29	21 33.96	+ 3 43.4	1.787	2.760	6.9	20.2
9 8	21 27.38	+ 2 45.7	1.816	2.756	9.3	20.3
9 18	21 22.50	+ 1 43.1	1.869	2.751	12.2	20.5

408947 2002 DY_{8} 8 16.3 132°.91 7°.6/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 27.17	−32 53.7	1.728	2.567	15.7	21.0
7 20	22 18.77	−33 30.4	1.673	2.582	12.6	20.8
7 30	22 7.36	−33 58.8	1.641	2.595	9.6	20.7
8 9	21 53.95	−34 10.1	1.633	2.608	7.7	20.6
8 19	21 39.89	−33 58.5	1.652	2.620	8.1	20.6
8 29	21 26.76	−33 22.0	1.698	2.632	10.4	20.8
9 8	21 15.86	−32 23.2	1.768	2.643	13.3	21.0
9 18	21 7.98	−31 7.3	1.861	2.653	16.0	21.2

99354 2001 XZ_{145} 8 16.3 32°.75 2°.4/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.71	−14 59.4	1.026	1.915	20.3	18.7
7 20	22 4.96	−15 45.9	0.979	1.925	15.5	18.4
7 30	21 58.92	−16 46.9	0.949	1.936	10.0	18.2
8 9	21 50.52	−17 53.4	0.940	1.948	4.4	17.9
8 19	21 41.13	−18 55.5	0.953	1.962	3.5	17.9
8 29	21 32.44	−19 43.6	0.989	1.975	8.8	18.3
9 8	21 25.92	−20 12.4	1.045	1.990	14.0	18.6
9 18	21 22.46	−20 20.4	1.121	2.005	18.3	18.9

157665 2005 YM_{58} 8 16.3 209°.46 0°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.04	−11 30.5	2.505	3.337	11.6	20.6
7 20	22 1.12	−12 3.8	2.420	3.335	8.9	20.4
7 30	21 55.60	−12 46.0	2.358	3.332	5.9	20.2
8 9	21 48.94	−13 34.0	2.323	3.330	2.5	20.0
8 19	21 41.71	−14 23.9	2.316	3.327	1.0	19.9
8 29	21 34.62	−15 11.6	2.338	3.324	4.5	20.1
9 8	21 28.37	−15 53.3	2.387	3.321	7.7	20.3
9 18	21 23.52	−16 26.4	2.462	3.318	10.5	20.5

472203 2014 EX_{13} 8 16.3 281°.45 1°.9/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.25	−15 31.7	1.841	2.696	14.2	21.4
7 20	22 3.46	−16 17.7	1.762	2.691	10.9	21.2
7 30	21 57.46	−17 13.2	1.705	2.685	7.1	20.9
8 9	21 49.83	−18 12.9	1.673	2.680	3.2	20.7
8 19	21 41.37	−19 10.5	1.668	2.675	2.7	20.6
8 29	21 33.11	−20 0.1	1.690	2.670	6.5	20.9
9 8	21 26.06	−20 37.0	1.737	2.665	10.4	21.1
9 18	21 21.00	−20 59.0	1.806	2.660	13.9	21.3

440437 2005 SM_{32} 8 16.3 321°.67 1°.8/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 4.92	−15 42.6	1.777	2.639	14.3	21.5
7 20	22 1.83	−16 19.4	1.690	2.622	11.0	21.2
7 30	21 56.50	−17 5.8	1.623	2.605	7.2	21.0
8 9	21 49.46	−17 57.1	1.581	2.589	3.2	20.7
8 19	21 41.49	−18 47.2	1.565	2.573	2.6	20.6
8 29	21 33.64	−19 30.1	1.575	2.558	6.7	20.8
9 8	21 26.96	−20 1.0	1.610	2.543	10.8	21.0
9 18	21 22.28	−20 17.6	1.667	2.529	14.4	21.2

365748 2010 WA_{38} 8 16.3 43°.16 3°.5/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.53	− 1 23.6	2.145	2.948	14.3	20.6
7 20	22 0.90	− 1 24.0	2.068	2.954	11.6	20.4
7 30	21 55.52	− 1 40.1	2.013	2.962	8.5	20.3
8 9	21 48.92	− 2 10.6	1.981	2.969	5.4	20.1
8 19	21 41.73	− 2 53.1	1.975	2.976	3.5	20.0
8 29	21 34.75	− 3 43.2	1.997	2.984	5.0	20.1
9 8	21 28.76	− 4 36.1	2.045	2.992	8.0	20.3
9 18	21 24.33	− 5 27.0	2.118	3.000	11.0	20.5

182803 2002 AV_{99} 8 16.3 212°.32 0°.2/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.38	−12 6.3	2.284	3.116	12.6	20.5
7 20	22 3.80	−12 13.3	2.201	3.115	9.7	20.3
7 30	21 57.41	−12 28.2	2.140	3.113	6.4	20.1
8 9	21 49.73	−12 48.3	2.105	3.111	2.8	19.9
8 19	21 41.43	−13 10.4	2.097	3.108	1.0	19.7
8 29	21 33.32	−13 31.2	2.118	3.106	4.7	20.0
9 8	21 26.20	−13 47.5	2.167	3.104	8.2	20.2
9 18	21 20.69	−13 57.2	2.240	3.101	11.3	20.4

323961 2005 UF_{83} 8 16.3 316°.39 1°.9/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.37	−16 40.6	1.900	2.757	13.7	21.1
7 20	22 2.77	−17 10.7	1.814	2.743	10.6	20.9
7 30	21 57.02	−17 48.4	1.750	2.730	6.9	20.6
8 9	21 49.65	−18 29.1	1.710	2.717	3.1	20.4
8 19	21 41.44	−19 7.5	1.697	2.705	2.6	20.3
8 29	21 33.39	−19 38.5	1.711	2.693	6.4	20.5
9 8	21 26.47	−19 58.3	1.750	2.681	10.2	20.7
9 18	21 21.48	−20 5.2	1.812	2.670	13.7	20.9

419767 2010 VC_{132} 8 16.3 19°.22 7°.8/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.10	−25 35.7	0.988	1.890	19.8	19.7
7 20	22 5.60	−26 45.2	0.946	1.897	15.4	19.5
7 30	21 59.50	−27 55.3	0.922	1.905	11.0	19.3
8 9	21 50.80	−28 53.6	0.917	1.914	8.0	19.2
8 19	21 41.06	−29 29.2	0.934	1.924	8.8	19.3
8 29	21 32.17	−29 35.3	0.971	1.936	12.4	19.5
9 8	21 25.71	−29 11.8	1.028	1.949	16.6	19.8
9 18	21 22.58	−28 23.0	1.102	1.963	20.3	20.1

285431 1999 VS_{125} 8 16.3 4°.90 0°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.59	−11 36.5	2.021	2.863	13.6	20.8
7 20	22 1.88	−11 56.9	1.943	2.863	10.5	20.6
7 30	21 56.26	−12 27.4	1.888	2.864	6.9	20.4
8 9	21 49.27	−13 4.7	1.858	2.864	3.0	20.1
8 19	21 41.61	−13 44.4	1.854	2.865	1.1	20.0
8 29	21 34.18	−14 22.1	1.878	2.867	5.1	20.3
9 8	21 27.82	−14 53.6	1.928	2.868	8.8	20.5
9 18	21 23.19	−15 16.2	2.002	2.870	12.1	20.7

447385 2006 BY_{31} 8 16.3 230°.49 0°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.09	−14 26.4	2.546	3.379	11.4	21.1
7 20	22 3.41	−14 35.7	2.459	3.375	8.8	20.9
7 30	21 57.09	−14 50.8	2.395	3.370	5.7	20.7
8 9	21 49.58	−15 8.8	2.358	3.364	2.4	20.5
8 19	21 41.50	−15 26.9	2.349	3.359	1.2	20.4
8 29	21 33.59	−15 41.9	2.369	3.354	4.5	20.6
9 8	21 26.56	−15 51.4	2.417	3.348	7.7	20.8
9 18	21 21.00	−15 53.9	2.489	3.342	10.6	21.0

435212 2007 RS_{226} 8 16.3 334°.61 0°.4/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 2.83	− 9 41.5	1.429	2.292	17.1	20.4
7 20	22 0.65	−10 9.2	1.347	2.277	13.4	20.1
7 30	21 55.95	−10 54.3	1.284	2.264	9.0	19.8
8 9	21 49.30	−11 52.9	1.244	2.251	4.0	19.5
8 19	21 41.57	−12 58.7	1.228	2.239	1.3	19.3
8 29	21 33.99	−14 3.9	1.236	2.228	6.6	19.6
9 8	21 27.79	−15 0.9	1.269	2.218	11.5	19.9
9 18	21 23.90	−15 44.4	1.322	2.210	15.8	20.1

146118 2000 RZ_{2} 8 16.3 281°.17 3°.9/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.75	−23 55.9	2.136	2.990	12.5	19.6
7 20	22 5.92	−24 26.6	2.052	2.978	9.7	19.4
7 30	21 58.97	−24 58.3	1.991	2.966	6.7	19.2
8 9	21 50.46	−25 25.8	1.956	2.954	4.3	19.0
8 19	21 41.17	−25 44.0	1.947	2.942	4.5	19.0
8 29	21 32.10	−25 49.1	1.967	2.930	7.3	19.1
9 8	21 24.20	−25 39.5	2.011	2.918	10.4	19.3
9 18	21 18.22	−25 15.4	2.079	2.906	13.4	19.5

344635 2003 OU_{32} 8 16.3 2°.43 5°.9/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 10.75	− 0 43.2	1.658	2.464	17.6	20.2
7 20	22 6.27	+ 0 15.2	1.579	2.463	14.6	20.0
7 30	21 59.38	+ 0 57.4	1.520	2.463	11.1	19.8
8 9	21 50.69	+ 1 21.7	1.483	2.464	7.8	19.6
8 19	21 41.10	+ 1 28.3	1.471	2.464	5.9	19.5
8 29	21 31.74	+ 1 19.4	1.485	2.465	7.3	19.6
9 8	21 23.73	+ 0 59.5	1.523	2.466	10.5	19.7
9 18	21 17.91	+ 0 34.0	1.584	2.467	13.9	20.0

254351 2004 TC_{33} 8 16.3 16°.04 2°.4/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.16	− 5 6.3	2.132	2.950	13.8	20.4
7 20	22 1.43	− 5 9.3	2.052	2.952	11.0	20.2
7 30	21 55.92	− 5 25.7	1.993	2.953	7.8	20.0
8 9	21 49.12	− 5 53.8	1.958	2.955	4.4	19.8
8 19	21 41.69	− 6 30.7	1.950	2.957	2.4	19.7
8 29	21 34.46	− 7 12.2	1.969	2.959	4.7	19.8
9 8	21 28.21	− 7 53.9	2.015	2.961	8.1	20.0
9 18	21 23.57	− 8 31.9	2.086	2.964	11.3	20.3

412400 2014 BO_{37} 8 16.3 162°.78 0°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.09	−11 23.4	2.316	3.137	12.8	21.7
7 20	22 6.55	−11 22.4	2.235	3.142	9.9	21.5
7 30	21 59.17	−11 29.2	2.178	3.147	6.6	21.3
8 9	21 50.49	−11 41.3	2.146	3.151	3.0	21.1
8 19	21 41.21	−11 55.8	2.144	3.155	1.0	20.9
8 29	21 32.18	−12 9.8	2.170	3.158	4.6	21.2
9 8	21 24.21	−12 20.5	2.225	3.160	8.1	21.4
9 18	21 17.92	−12 25.9	2.304	3.163	11.1	21.6

427604 2003 SB_{244} 8 16.3 287°.82 1°.6/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.88	− 7 44.6	1.451	2.298	17.7	21.4
7 20	22 4.69	− 7 58.6	1.357	2.277	14.1	21.2
7 30	21 58.76	− 8 31.0	1.283	2.256	9.7	20.8
8 9	21 50.60	− 9 19.4	1.231	2.235	4.8	20.5
8 19	21 41.11	−10 18.8	1.203	2.214	1.8	20.3
8 29	21 31.59	−11 21.9	1.201	2.193	6.7	20.5
9 8	21 23.42	−12 20.9	1.222	2.172	11.9	20.7
9 18	21 17.71	−13 9.5	1.265	2.150	16.6	21.0

8661 Ratzinger 8 16.3 189°.94 4°.9/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.80	−26 55.7	2.261	3.116	11.9	17.3
7 20	22 5.05	−27 47.3	2.192	3.115	9.3	17.1
7 30	21 58.31	−28 38.2	2.146	3.115	6.7	16.9
8 9	21 50.15	−29 22.4	2.126	3.114	5.0	16.8
8 19	21 41.34	−29 54.7	2.133	3.114	5.6	16.9
8 29	21 32.81	−30 11.3	2.167	3.113	7.8	17.0
9 8	21 25.44	−30 10.7	2.226	3.112	10.5	17.2
9 18	21 19.90	−29 53.7	2.308	3.111	12.9	17.3

283189 2010 CG_{4} 8 16.3 323°.57 0°.9/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.25	− 7 23.0	1.668	2.509	16.0	20.4
7 20	22 2.09	− 8 2.6	1.588	2.506	12.6	20.1
7 30	21 56.67	− 9 0.0	1.529	2.502	8.5	19.9
8 9	21 49.55	−10 11.2	1.493	2.498	4.0	19.6
8 19	21 41.55	−11 30.3	1.484	2.495	1.3	19.4
8 29	21 33.74	−12 49.5	1.501	2.492	5.8	19.7
9 8	21 27.16	−14 1.8	1.543	2.489	10.2	20.0
9 18	21 22.62	−15 1.6	1.608	2.486	14.1	20.2

51391 2001 DM_{21} 8 16.3 38°.04 9°.2/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 13.78	−33 36.8	1.466	2.337	16.3	17.8
7 20	22 9.02	−34 45.4	1.427	2.351	13.2	17.6
7 30	22 1.24	−35 45.4	1.408	2.366	10.5	17.5
8 9	21 51.43	−36 26.8	1.411	2.381	9.2	17.4
8 19	21 40.92	−36 42.4	1.438	2.397	9.9	17.5
8 29	21 31.22	−36 29.0	1.487	2.414	12.2	17.7
9 8	21 23.62	−35 48.7	1.559	2.431	14.9	17.9
9 18	21 18.88	−34 46.2	1.649	2.449	17.4	18.1

79404 1997 HN_{10} 8 16.3 269°.30 6°.9/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 13.44	−27 29.5	1.640	2.506	15.1	19.3
7 20	22 8.90	−28 38.8	1.560	2.488	12.0	19.1
7 30	22 1.45	−29 49.3	1.500	2.470	8.9	18.8
8 9	21 51.71	−30 51.9	1.465	2.452	7.0	18.7
8 19	21 40.73	−31 37.4	1.454	2.434	7.8	18.7
8 29	21 29.92	−31 59.1	1.469	2.415	10.8	18.8
9 8	21 20.71	−31 54.7	1.507	2.396	14.3	19.0
9 18	21 14.14	−31 25.9	1.564	2.377	17.6	19.2

442765 2012 XH_{77} 8 16.3 2°.98 1°.1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.19	− 8 35.8	1.633	2.478	16.1	21.4
7 20	22 2.80	− 8 52.1	1.558	2.478	12.7	21.2
7 30	21 57.10	− 9 23.3	1.504	2.478	8.6	20.9
8 9	21 49.72	−10 6.3	1.473	2.478	4.1	20.7
8 19	21 41.50	−10 56.0	1.468	2.479	1.4	20.5
8 29	21 33.54	−11 46.5	1.488	2.480	5.7	20.8
9 8	21 26.90	−12 31.9	1.534	2.481	10.1	21.1
9 18	21 22.35	−13 8.0	1.602	2.483	13.9	21.3

319402 2006 GZ_{23} 8 16.3 115°.11 0°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 8.89	−10 33.7	1.982	2.816	14.1	20.8
7 20	22 4.37	−11 3.9	1.913	2.828	10.9	20.6
7 30	21 57.86	−11 45.4	1.866	2.840	7.2	20.4
8 9	21 49.96	−12 34.2	1.845	2.851	3.1	20.2
8 19	21 41.43	−13 25.6	1.851	2.862	1.1	20.1
8 29	21 33.22	−14 14.3	1.885	2.872	5.2	20.4
9 8	21 26.18	−14 55.9	1.945	2.883	8.9	20.6
9 18	21 20.97	−15 27.6	2.030	2.893	12.2	20.9

269088 2007 HQ_{36} 8 16.3 30°.88 1°.4/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.23	−14 41.0	1.364	2.233	17.4	19.9
7 20	22 4.67	−15 6.9	1.306	2.242	13.3	19.7
7 30	21 58.43	−15 43.7	1.269	2.252	8.6	19.5
8 9	21 50.28	−16 25.6	1.254	2.262	3.7	19.2
8 19	21 41.32	−17 6.0	1.264	2.274	2.3	19.2
8 29	21 32.87	−17 38.3	1.299	2.286	7.1	19.5
9 8	21 26.13	−17 58.4	1.357	2.298	11.7	19.8
9 18	21 21.89	−18 4.3	1.436	2.311	15.6	20.1

6174 Polybius 8 16.3 356°.18 9°.5/10.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.58	−35 24.7	1.522	2.392	15.8	15.6
7 20	22 7.50	−36 16.9	1.465	2.387	13.1	15.4
7 30	22 0.41	−36 59.9	1.428	2.383	10.7	15.2
8 9	21 51.15	−37 24.2	1.413	2.380	9.5	15.2
8 19	21 41.01	−37 22.6	1.421	2.378	10.3	15.2
8 29	21 31.49	−36 51.8	1.452	2.377	12.5	15.3
9 8	21 23.94	−35 53.4	1.504	2.378	15.2	15.5
9 18	21 19.22	−34 32.4	1.575	2.379	17.9	15.7

387973 2005 JY_{150} 8 16.3 25°.37 0°.9/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.72	−11 51.1	1.741	2.594	14.9	20.6
7 20	22 1.53	−12 47.5	1.671	2.598	11.5	20.4
7 30	21 56.20	−13 57.2	1.623	2.602	7.4	20.2
8 9	21 49.31	−15 14.8	1.599	2.607	3.1	19.9
8 19	21 41.67	−16 33.4	1.602	2.612	1.8	19.8
8 29	21 34.29	−17 45.7	1.631	2.617	6.1	20.1
9 8	21 28.14	−18 45.8	1.686	2.622	10.2	20.4
9 18	21 23.95	−19 30.4	1.764	2.628	13.7	20.6

491582 2012 RY_{39} 8 16.3 8°.69 0°.3/16.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.01	−12 53.2	1.328	2.197	17.8	21.3
7 20	22 3.88	−13 2.3	1.264	2.198	13.8	21.0
7 30	21 58.02	−13 23.8	1.219	2.200	9.1	20.8
8 9	21 50.16	−13 53.5	1.195	2.203	3.9	20.5
8 19	21 41.36	−14 25.4	1.196	2.207	1.6	20.3
8 29	21 32.99	−14 53.4	1.221	2.212	6.8	20.7
9 8	21 26.28	−15 12.6	1.269	2.217	11.7	21.0
9 18	21 22.11	−15 20.2	1.338	2.224	15.8	21.2

513408 2008 SK_{106} 8 16.3 238°.56 6°.1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 14.26	−30 6.9	2.241	3.088	12.3	22.5
7 20	22 8.74	−31 6.6	2.158	3.074	9.8	22.3
7 30	22 0.92	−32 4.2	2.098	3.058	7.5	22.2
8 9	21 51.36	−32 52.9	2.064	3.042	6.2	22.1
8 19	21 40.92	−33 26.3	2.058	3.025	6.8	22.1
8 29	21 30.65	−33 40.0	2.078	3.008	9.0	22.2
9 8	21 21.61	−33 32.9	2.123	2.990	11.7	22.3
9 18	21 14.62	−33 6.2	2.190	2.971	14.2	22.5

84288 2002 TF_{29} 8 16.3 319°.44 3°.1/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.26	−17 36.4	1.273	2.154	17.7	18.9
7 20	22 4.56	−18 13.4	1.194	2.136	13.7	18.6
7 30	21 58.82	−19 1.1	1.134	2.119	9.1	18.3
8 9	21 50.66	−19 52.8	1.096	2.103	4.4	18.0
8 19	21 41.16	−20 40.1	1.081	2.087	4.1	17.9
8 29	21 31.83	−21 14.7	1.090	2.073	8.9	18.2
9 8	21 24.19	−21 31.3	1.120	2.058	13.9	18.4
9 18	21 19.38	−21 28.0	1.170	2.045	18.4	18.6

45214 1999 XW_{181} 8 16.3 296°.55 3°.0/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.40	−19 6.5	1.423	2.291	16.9	19.0
7 20	22 8.21	−19 27.4	1.344	2.278	13.1	18.7
7 30	22 1.03	−19 54.9	1.284	2.266	8.7	18.4
8 9	21 51.55	−20 22.6	1.247	2.253	4.3	18.1
8 19	21 40.86	−20 43.8	1.235	2.241	3.8	18.1
8 29	21 30.42	−20 52.7	1.248	2.229	8.3	18.3
9 8	21 21.67	−20 46.0	1.284	2.217	13.0	18.5
9 18	21 15.66	−20 23.6	1.341	2.205	17.2	18.8

462698 2009 VA_{73} 8 16.3 349°.79 15°.9/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 13.13	−53 17.2	1.650	2.472	17.0	19.4
7 20	22 9.86	−55 17.4	1.615	2.462	16.2	19.3
7 30	22 2.60	−56 55.0	1.599	2.454	15.9	19.2
8 9	21 52.29	−57 58.5	1.602	2.446	16.3	19.2
8 19	21 40.61	−58 20.4	1.622	2.439	17.3	19.3
8 29	21 29.73	−57 58.1	1.658	2.434	18.5	19.4
9 8	21 21.53	−56 55.5	1.710	2.430	19.9	19.5
9 18	21 17.07	−55 19.5	1.775	2.427	21.2	19.6

392807 2012 TD_{223} 8 16.3 292.°85 4.°1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 9.23	−21 42.7	1.802	2.665	14.1	21.3
7 20	22 5.11	−22 34.1	1.728	2.660	10.8	21.1
7 30	21 58.63	−23 29.9	1.676	2.655	7.3	20.9
8 9	21 50.40	−24 23.4	1.649	2.650	4.5	20.7
8 19	21 41.32	−25 7.9	1.648	2.645	4.8	20.7
8 29	21 32.50	−25 37.8	1.673	2.640	8.0	20.9
9 8	21 25.02	−25 50.1	1.723	2.635	11.5	21.1
9 18	21 19.69	−25 44.8	1.795	2.630	14.8	21.3

476269 2007 VM_{160} 8 16.3 308.°24 2.°5/14.2 18

7 10	22 6.54	−16 59.4	1.809	2.669	14.2	20.6
7 20	22 3.01	−17 52.7	1.731	2.662	10.9	20.4
7 30	21 57.25	−18 54.9	1.674	2.655	7.1	20.2
8 9	21 49.82	−20 0.1	1.643	2.649	3.4	19.9
8 19	21 41.54	−21 1.6	1.637	2.642	3.3	19.9
8 29	21 33.44	−21 53.0	1.659	2.636	7.0	20.1
9 8	21 26.56	−22 29.7	1.705	2.629	10.8	20.3
9 18	21 21.69	−22 49.9	1.773	2.623	14.3	20.5

251733 1998 HO_{86} 8 16.3 20.°92 8.°7/11.4 18

7 10	22 10.68	−32 9.1	1.327	2.209	17.0	18.7
7 20	22 6.76	−33 1.7	1.291	2.224	13.6	18.6
7 30	21 59.80	−33 46.0	1.275	2.242	10.5	18.4
8 9	21 50.85	−34 12.6	1.281	2.260	8.8	18.4
8 19	21 41.25	−34 14.9	1.309	2.280	9.4	18.5
8 29	21 32.54	−33 50.2	1.360	2.301	11.8	18.7
9 8	21 25.96	−33 0.6	1.432	2.324	14.8	18.9
9 18	21 22.20	−31 51.2	1.523	2.347	17.5	19.2

66465 1999 RJ_{15} 8 16.3 356.°35 2.°7/14.6 18

7 10	22 8.36	−18 0.8	1.442	2.314	16.5	18.6
7 20	22 4.86	−18 29.5	1.374	2.311	12.7	18.4
7 30	21 58.65	−19 5.8	1.326	2.309	8.3	18.1
8 9	21 50.46	−19 43.6	1.301	2.308	4.0	17.9
8 19	21 41.33	−20 16.2	1.301	2.307	3.5	17.8
8 29	21 32.57	−20 37.6	1.325	2.307	7.7	18.1
9 8	21 25.43	−20 44.3	1.373	2.308	12.1	18.3
9 18	21 20.78	−20 35.4	1.442	2.309	16.0	18.6

69723 1998 HV_{129} 8 16.3 154.°74 1.°1/15.5 18

7 10	22 13.31	−14 7.1	1.814	2.656	14.9	20.1
7 20	22 8.03	−14 40.0	1.743	2.664	11.5	19.9
7 30	22 0.42	−15 22.2	1.694	2.671	7.5	19.7
8 9	21 51.14	−16 9.0	1.670	2.677	3.2	19.5
8 19	21 41.10	−16 54.7	1.674	2.683	1.9	19.4
8 29	21 31.39	−17 33.8	1.705	2.688	6.1	19.7
9 8	21 23.07	−18 2.2	1.762	2.693	10.2	19.9
9 18	21 16.89	−18 18.2	1.843	2.697	13.7	20.2

187615 2007 AG_{16} 8 16.3 132.°04 3.°4/12.2 18

7 10	22 6.77	−21 55.9	2.640	3.489	10.6	21.0
7 20	22 2.42	−23 11.9	2.575	3.499	8.1	20.8
7 30	21 56.47	−24 30.7	2.536	3.510	5.5	20.7
8 9	21 49.37	−25 46.9	2.524	3.520	3.6	20.6
8 19	21 41.75	−26 55.3	2.541	3.530	4.1	20.6
8 29	21 34.31	−27 51.3	2.586	3.539	6.3	20.8
9 8	21 27.77	−28 32.5	2.659	3.548	8.8	21.0
9 18	21 22.69	−28 58.1	2.755	3.557	11.1	21.1

105488 2000 QX_{220} 8 16.3 325.°57 1.°0/15.5 18

7 10	22 4.85	−13 40.2	1.725	2.584	14.8	19.5
7 20	22 1.83	−14 11.1	1.639	2.569	11.5	19.2
7 30	21 56.56	−14 53.2	1.574	2.555	7.5	19.0
8 9	21 49.57	−15 42.2	1.533	2.541	3.2	18.7
8 19	21 41.65	−16 32.4	1.518	2.528	1.9	18.6
8 29	21 33.87	−17 17.8	1.529	2.516	6.3	18.8
9 8	21 27.27	−17 53.1	1.565	2.504	10.6	19.0
9 18	21 22.71	−18 15.3	1.622	2.492	14.4	19.2

436549 2011 GE_{78} 8 16.3 64.°57 7.°1/24.0 18

7 10	22 4.47	+11 12.0	1.726	2.477	19.1	21.4
7 20	22 1.39	+10 39.3	1.645	2.482	16.4	21.2
7 30	21 56.16	+ 9 34.5	1.581	2.488	13.2	21.0
8 9	21 49.35	+ 7 57.4	1.539	2.494	10.0	20.9
8 19	21 41.75	+ 5 51.5	1.521	2.500	7.5	20.7
8 29	21 34.37	+ 3 25.0	1.529	2.506	7.5	20.8
9 8	21 28.20	+ 0 49.6	1.565	2.512	9.9	20.9
9 18	21 23.98	− 1 43.2	1.626	2.518	13.1	21.1

331966 2004 XA_{57} 8 16.3 227.°33 6.°4/20.9 18

7 10	22 9.69	+ 3 16.1	1.945	2.721	16.4	20.6
7 20	22 5.19	+ 4 2.3	1.859	2.719	13.8	20.4
7 30	21 58.59	+ 4 31.0	1.792	2.716	10.9	20.2
8 9	21 50.39	+ 4 40.6	1.747	2.713	8.1	20.0
8 19	21 41.37	+ 4 31.2	1.728	2.710	6.5	19.9
8 29	21 32.48	+ 4 5.2	1.735	2.707	7.2	20.0
9 8	21 24.69	+ 3 27.3	1.767	2.704	9.8	20.1
9 18	21 18.77	+ 2 43.0	1.824	2.700	12.7	20.3

482130 2010 RN_{50} 8 16.3 264.°81 4.°4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 10.90	−26 21.0	2.454	3.302	11.3	21.8
7 20	22 5.90	−27 1.3	2.363	3.283	8.9	21.6
7 30	21 58.94	−27 41.4	2.295	3.264	6.3	21.5
8 9	21 50.52	−28 16.1	2.254	3.245	4.6	21.3
8 19	21 41.33	−28 40.7	2.241	3.225	5.0	21.3
8 29	21 32.28	−28 51.3	2.255	3.206	7.3	21.4
9 8	21 24.23	−28 46.2	2.296	3.185	10.0	21.6
9 18	21 17.89	−28 25.9	2.360	3.165	12.6	21.7

298001 2002 NQ_{75} 8 16.3 153.°42 1.°7/18.0 17

7 10	22 5.65	− 4 27.3	2.029	2.846	14.5	20.9
7 20	22 1.96	− 5 11.6	1.948	2.849	11.4	20.7
7 30	21 56.38	− 6 12.9	1.888	2.852	7.9	20.5
8 9	21 49.41	− 7 28.1	1.854	2.854	4.1	20.3
8 19	21 41.75	− 8 52.1	1.846	2.856	1.7	20.1
8 29	21 34.26	−10 18.5	1.867	2.858	4.9	20.3
9 8	21 27.80	−11 40.5	1.915	2.860	8.6	20.6
9 18	21 23.04	−12 53.1	1.989	2.861	12.0	20.8

394197 2006 SZ_{69} 8 16.3 333.°80 1.°4/15.3 18

7 10	22 7.15	−15 13.2	1.825	2.680	14.3	21.3
7 20	22 3.40	−15 41.1	1.747	2.675	11.0	21.0
7 30	21 57.46	−16 17.7	1.690	2.670	7.2	20.8
8 9	21 49.91	−16 58.4	1.659	2.666	3.1	20.5
8 19	21 41.57	−17 38.0	1.653	2.662	2.2	20.5
8 29	21 33.45	−18 11.2	1.674	2.658	6.2	20.7
9 8	21 26.56	−18 34.1	1.721	2.655	10.1	21.0
9 18	21 21.64	−18 44.7	1.790	2.652	13.6	21.2

339312 2004 XU_{101} 8 16.3 313.°93 1.°6/15.4 18

7 10	22 8.56	−15 50.7	1.437	2.305	16.7	19.7
7 20	22 5.49	−16 2.6	1.335	2.270	13.1	19.4
7 30	21 59.50	−16 24.4	1.253	2.235	8.8	19.0
8 9	21 51.06	−16 51.8	1.193	2.201	3.9	18.7
8 19	21 41.08	−17 18.9	1.157	2.167	2.6	18.5
8 29	21 30.93	−17 39.0	1.146	2.133	7.8	18.7
9 8	21 22.14	−17 47.1	1.158	2.100	13.1	18.9
9 18	21 15.95	−17 40.5	1.190	2.068	17.9	19.1

347465 2012 TV_{312} 8 16.3 15.°59 0.°5/16.0 16

7 10	22 3.80	−11 21.7	1.252	2.126	18.3	19.7
7 20	22 1.52	−11 58.2	1.194	2.131	14.1	19.4
7 30	21 56.53	−12 51.1	1.154	2.137	9.3	19.2
8 9	21 49.57	−13 54.7	1.137	2.145	3.9	18.9
8 19	21 41.72	−15 0.9	1.143	2.154	1.7	18.8
8 29	21 34.30	−16 1.3	1.173	2.163	7.0	19.1
9 8	21 28.55	−16 49.0	1.225	2.174	11.9	19.4
9 18	21 25.30	−17 20.1	1.299	2.186	16.1	19.7

218190 2002 TR_{78} 8 16.3 332.°15 2.°9/14.5 18

7 10	22 0.78	−15 29.5	1.063	1.960	19.1	19.5
7 20	22 0.04	−16 15.7	0.984	1.936	14.8	19.1
7 30	21 56.14	−17 19.2	0.924	1.913	9.8	18.8
8 9	21 49.65	−18 32.8	0.883	1.892	4.5	18.4
8 19	21 41.63	−19 46.3	0.864	1.872	4.1	18.3
8 29	21 33.69	−20 48.2	0.866	1.853	9.6	18.6
9 8	21 27.53	−21 29.6	0.888	1.837	15.3	18.8
9 18	21 24.41	−21 46.5	0.928	1.822	20.3	19.0

252749 2002 EQ_{27} 8 16.3 86.°80 2.°8/14.1 18

7 10	22 10.40	−21 11.9	2.230	3.079	12.3	20.0
7 20	22 5.41	−21 34.4	2.160	3.084	9.4	19.8
7 30	21 58.51	−21 59.0	2.112	3.089	6.2	19.7
8 9	21 50.28	−22 21.2	2.091	3.094	3.4	19.5
8 19	21 41.49	−22 37.0	2.098	3.099	3.3	19.5
8 29	21 33.01	−22 43.1	2.132	3.104	6.1	19.7
9 8	21 25.68	−22 38.0	2.193	3.109	9.2	19.9
9 18	21 20.13	−22 21.4	2.278	3.114	12.0	20.1

474186 1999 VO_{179} 8 16.3 314.°67 7.°9/22.6 18

7 10	22 1.96	+ 6 53.3	1.563	2.353	19.2	20.6
7 20	21 59.98	+ 7 12.3	1.459	2.324	16.6	20.3
7 30	21 55.63	+ 7 4.0	1.371	2.296	13.6	20.1
8 9	21 49.32	+ 6 25.3	1.303	2.268	10.4	19.8
8 19	21 41.77	+ 5 15.6	1.257	2.240	8.1	19.6
8 29	21 34.10	+ 3 39.0	1.234	2.213	8.6	19.6
9 8	21 27.50	+ 1 44.5	1.236	2.187	11.6	19.7
9 18	21 23.03	− 0 16.9	1.260	2.162	15.4	19.8

353033 2009 CX_{27} 8 16.3 263.°86 0.°7/15.8 18

7 10	22 10.05	−13 51.6	2.105	2.943	13.3	22.0
7 20	22 5.50	−14 11.0	2.004	2.922	10.3	21.8
7 30	21 58.84	−14 38.9	1.926	2.902	6.8	21.5
8 9	21 50.56	−15 11.9	1.874	2.881	2.9	21.3
8 19	21 41.36	−15 45.7	1.849	2.859	1.5	21.1
8 29	21 32.20	−16 15.9	1.852	2.837	5.6	21.4
9 8	21 24.04	−16 38.5	1.882	2.815	9.5	21.5
9 18	21 17.68	−16 51.3	1.936	2.793	13.0	21.7

435230 2007 RO_{309} 8 16.3 358°.66 2°.5/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 3.49	−16 12.8	1.253	2.137	17.6	20.1
7 20	22 1.44	−16 52.1	1.189	2.133	13.5	19.8
7 30	21 56.60	−17 43.0	1.144	2.130	8.8	19.5
8 9	21 49.66	−18 38.6	1.121	2.129	4.0	19.3
8 19	21 41.71	−19 30.8	1.121	2.129	3.5	19.2
8 29	21 34.14	−20 11.5	1.145	2.130	8.1	19.5
9 8	21 28.26	−20 35.7	1.191	2.133	12.9	19.8
9 18	21 24.96	−20 41.3	1.256	2.136	17.0	20.0

328210 2008 EL_{89} 8 16.3 66°.56 2°.9/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.63	− 5 19.4	1.416	2.251	18.7	20.6
7 20	22 7.02	− 5 15.8	1.363	2.273	14.8	20.4
7 30	21 59.85	− 5 30.6	1.330	2.295	10.3	20.2
8 9	21 50.92	− 6 1.2	1.318	2.317	5.7	20.0
8 19	21 41.31	− 6 42.9	1.331	2.339	2.9	19.9
8 29	21 32.27	− 7 29.4	1.370	2.361	6.2	20.1
9 8	21 24.94	− 8 14.4	1.434	2.384	10.4	20.4
9 18	21 20.04	− 8 52.8	1.520	2.405	14.3	20.7

201953 2004 JO_{47} 8 16.3 339°.68 1°.0/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.04	− 9 10.9	1.002	1.885	21.1	19.6
7 20	22 2.51	− 9 24.0	0.934	1.875	16.7	19.3
7 30	21 57.71	− 9 59.3	0.883	1.866	11.3	19.0
8 9	21 50.30	−10 52.7	0.851	1.858	5.3	18.6
8 19	21 41.47	−11 57.0	0.840	1.851	1.7	18.4
8 29	21 32.92	−13 1.7	0.851	1.846	7.9	18.7
9 8	21 26.32	−13 57.1	0.882	1.841	13.9	19.0
9 18	21 22.83	−14 36.5	0.931	1.837	19.1	19.3

137703 1999 XE_{78} 8 16.3 238°.18 1°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.36	−15 29.9	1.817	2.665	14.6	20.2
7 20	22 6.82	−16 11.0	1.728	2.652	11.3	20.0
7 30	21 59.87	−17 1.9	1.661	2.640	7.4	19.7
8 9	21 51.05	−17 57.5	1.619	2.626	3.3	19.5
8 19	21 41.22	−18 51.5	1.604	2.612	2.6	19.4
8 29	21 31.50	−19 37.6	1.617	2.597	6.7	19.6
9 8	21 23.01	−20 11.1	1.655	2.582	10.9	19.8
9 18	21 16.65	−20 29.8	1.715	2.567	14.6	20.0

449771 2014 OC_{91} 8 16.3 290°.06 4°.8/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.32	+ 1 20.2	2.409	3.184	13.6	20.8
7 20	22 2.95	+ 1 53.4	2.320	3.183	11.3	20.6
7 30	21 56.90	+ 2 12.7	2.253	3.182	8.7	20.5
8 9	21 49.64	+ 2 17.8	2.210	3.181	6.2	20.3
8 19	21 41.76	+ 2 9.3	2.193	3.181	4.8	20.2
8 29	21 34.01	+ 1 49.3	2.204	3.180	5.6	20.3
9 8	21 27.14	+ 1 21.5	2.242	3.179	7.9	20.4
9 18	21 21.72	+ 0 49.7	2.304	3.178	10.5	20.6

449658 2014 KP_{71} 8 16.4 352°.04 4°.3/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.02	−21 17.4	1.892	2.760	13.3	20.7
7 20	22 1.81	−22 35.1	1.823	2.757	10.2	20.5
7 30	21 56.45	−23 58.5	1.776	2.755	6.9	20.3
8 9	21 49.53	−25 20.2	1.754	2.753	4.5	20.1
8 19	21 41.83	−26 32.8	1.759	2.752	5.1	20.2
8 29	21 34.34	−27 30.0	1.790	2.751	8.1	20.3
9 8	21 28.03	−28 8.0	1.846	2.750	11.3	20.5
9 18	21 23.66	−28 25.9	1.923	2.750	14.3	20.7

520245 2014 DT_{154} 8 16.4 199°.32 1°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.33	− 5 4.9	2.307	3.118	13.1	22.1
7 20	22 2.32	− 5 42.6	2.217	3.115	10.4	21.9
7 30	21 56.56	− 6 35.0	2.150	3.112	7.2	21.7
8 9	21 49.53	− 7 39.2	2.108	3.108	3.8	21.4
8 19	21 41.83	− 8 51.3	2.095	3.104	1.6	21.3
8 29	21 34.25	−10 5.9	2.110	3.100	4.5	21.5
9 8	21 27.54	−11 17.5	2.153	3.095	7.9	21.7
9 18	21 22.36	−12 21.6	2.222	3.090	11.1	21.9

47632 2000 CA_{21} 8 16.4 70°.75 2°.0/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.22	− 7 31.1	1.896	2.723	15.0	19.1
7 20	22 4.82	− 7 24.2	1.818	2.725	11.8	18.9
7 30	21 58.32	− 7 29.6	1.761	2.727	8.2	18.7
8 9	21 50.31	− 7 45.4	1.728	2.729	4.3	18.5
8 19	21 41.56	− 8 8.8	1.722	2.731	2.0	18.3
8 29	21 33.06	− 8 35.8	1.742	2.733	5.2	18.5
9 8	21 25.74	− 9 2.0	1.789	2.735	9.0	18.8
9 18	21 20.33	− 9 24.0	1.860	2.737	12.5	19.0

250368 2003 SS_{366} 8 16.4 68°.69 1°.2/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 16.13	−15 19.2	1.283	2.144	18.7	21.0
7 20	22 10.78	−15 25.8	1.233	2.163	14.4	20.7
7 30	22 2.46	−15 41.7	1.202	2.183	9.3	20.5
8 9	21 52.10	−16 1.5	1.195	2.202	4.0	20.3
8 19	21 41.00	−16 19.2	1.211	2.222	2.1	20.2
8 29	21 30.67	−16 29.7	1.254	2.241	7.2	20.6
9 8	21 22.41	−16 30.0	1.320	2.260	12.0	20.9
9 18	21 17.00	−16 19.2	1.407	2.280	16.0	21.2

351079 2003 US_{59} 8 16.4 310°.47 1°.8/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 11.05	−10 34.3	1.572	2.417	16.7	21.0
7 20	22 7.15	−10 4.8	1.465	2.384	13.3	20.7
7 30	22 0.49	− 9 44.7	1.378	2.351	9.3	20.4
8 9	21 51.51	− 9 32.7	1.313	2.317	4.7	20.0
8 19	21 41.10	− 9 26.6	1.274	2.284	2.0	19.8
8 29	21 30.51	− 9 23.3	1.260	2.252	6.6	20.0
9 8	21 21.14	− 9 19.2	1.271	2.219	11.6	20.2
9 18	21 14.15	− 9 11.5	1.304	2.188	16.3	20.4

103607 2000 CE_{19} 8 16.4 183°.65 0°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.92	−10 55.1	2.289	3.118	12.6	21.3
7 20	22 3.53	−11 28.8	2.206	3.119	9.8	21.1
7 30	21 57.35	−12 12.6	2.146	3.119	6.5	20.9
8 9	21 49.88	−13 3.2	2.112	3.118	2.8	20.7
8 19	21 41.76	−13 56.2	2.106	3.117	1.0	20.5
8 29	21 33.81	−14 47.0	2.129	3.116	4.8	20.8
9 8	21 26.81	−15 31.2	2.179	3.114	8.3	21.0
9 18	21 21.40	−16 6.2	2.254	3.112	11.3	21.2

211711 2003 YF_{1} 8 16.4 340°.84 13°.1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 18.99	+ 1 23.6	1.256	2.062	22.2	18.2
7 20	22 13.99	+ 4 40.9	1.167	2.040	19.4	18.0
7 30	22 5.43	+ 7 53.7	1.097	2.019	16.4	17.7
8 9	21 53.81	+10 51.7	1.049	2.001	13.9	17.5
8 19	21 40.24	+13 22.7	1.025	1.984	13.1	17.4
8 29	21 26.42	+15 17.4	1.025	1.968	14.6	17.4
9 8	21 14.24	+16 33.7	1.046	1.955	17.5	17.6
9 18	21 5.22	+17 16.2	1.086	1.944	20.7	17.7

479127 2013 BA_{27} 8 16.4 305°.35 4°.1/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.03	+ 3 59.0	1.743	2.534	17.5	21.4
7 20	22 2.35	+ 2 58.5	1.614	2.491	14.7	21.1
7 30	21 57.29	+ 1 24.1	1.504	2.447	11.2	20.8
8 9	21 50.15	− 0 45.3	1.416	2.403	7.2	20.5
8 19	21 41.57	− 3 26.3	1.356	2.359	4.2	20.2
8 29	21 32.57	− 6 29.6	1.324	2.315	6.3	20.2
9 8	21 24.37	− 9 40.9	1.320	2.270	11.1	20.4
9 18	21 18.12	−12 45.5	1.342	2.226	15.9	20.5

266719 2009 QW_{62} 8 16.4 245°.52 0°.1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.63	−11 23.7	2.483	3.314	11.7	21.5
7 20	22 1.66	−11 47.2	2.396	3.309	9.1	21.3
7 30	21 56.08	−12 19.3	2.331	3.304	6.0	21.1
8 9	21 49.32	−12 57.3	2.293	3.299	2.6	20.9
8 19	21 41.97	−13 37.6	2.282	3.293	0.9	20.7
8 29	21 34.75	−14 16.4	2.300	3.288	4.4	21.0
9 8	21 28.37	−14 50.1	2.346	3.282	7.7	21.2
9 18	21 23.41	−15 16.3	2.417	3.277	10.6	21.4

346457 2008 TR_{72} 8 16.4 174°.95 5°.2/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.03	+ 4 44.2	2.418	3.173	14.1	22.1
7 20	22 3.51	+ 4 53.0	2.329	3.176	11.9	22.0
7 30	21 57.29	+ 4 44.5	2.260	3.178	9.3	21.8
8 9	21 49.85	+ 4 18.6	2.216	3.179	6.8	21.6
8 19	21 41.78	+ 3 36.7	2.197	3.180	5.2	21.6
8 29	21 33.85	+ 2 42.0	2.207	3.181	5.8	21.6
9 8	21 26.79	+ 1 39.5	2.244	3.181	8.0	21.7
9 18	21 21.21	+ 0 34.4	2.307	3.180	10.6	21.9

136324 2004 BY_{86} 8 16.4 283°.64 0°.9/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.42	−13 44.6	1.511	2.368	16.6	19.9
7 20	22 6.57	−14 3.6	1.424	2.352	13.0	19.6
7 30	21 59.98	−14 34.3	1.357	2.336	8.6	19.3
8 9	21 51.22	−15 12.3	1.313	2.320	3.7	19.0
8 19	21 41.25	−15 51.8	1.294	2.304	1.9	18.8
8 29	21 31.39	−16 26.2	1.300	2.288	7.0	19.1
9 8	21 22.97	−16 50.3	1.331	2.272	11.9	19.3
9 18	21 17.01	−17 1.3	1.383	2.256	16.2	19.5

513328 2007 FH_{21} 8 16.4 25°.84 1°.6/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.66	−17 39.4	2.080	2.928	13.0	20.8
7 20	22 4.99	−17 50.0	2.007	2.931	10.0	20.6
7 30	21 58.34	−18 5.0	1.956	2.934	6.5	20.4
8 9	21 50.30	−18 20.7	1.931	2.937	2.9	20.2
8 19	21 41.64	−18 33.3	1.933	2.941	2.2	20.1
8 29	21 33.28	−18 39.5	1.963	2.945	5.7	20.4
9 8	21 26.09	−18 37.0	2.019	2.948	9.1	20.6
9 18	21 20.72	−18 25.1	2.099	2.952	12.2	20.8

207512 2006 JU_{17} 8 16.4 355°.21 1°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.55	−14 17.7	1.583	2.445	15.7	20.0
7 20	22 3.26	−14 54.8	1.511	2.443	12.1	19.8
7 30	21 57.56	−15 43.1	1.460	2.441	7.9	19.5
8 9	21 50.07	−16 37.4	1.432	2.440	3.4	19.2
8 19	21 41.70	−17 31.1	1.430	2.439	2.3	19.2
8 29	21 33.61	−18 17.5	1.453	2.439	6.7	19.5
9 8	21 26.91	−18 51.7	1.501	2.439	11.0	19.7
9 18	21 22.42	−19 11.0	1.571	2.440	14.8	19.9

235126 2003 QB_{42} 8 16.4 335°.13 4°.6/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 1.07	+ 2 17.2	1.504	2.322	18.6	19.5
7 20	21 59.20	+ 1 44.7	1.418	2.311	15.4	19.2
7 30	21 55.01	+ 0 43.2	1.349	2.300	11.6	19.0
8 9	21 49.03	− 0 46.4	1.302	2.291	7.5	18.7
8 19	21 42.05	− 2 39.2	1.279	2.282	4.7	18.5
8 29	21 35.18	− 4 46.3	1.282	2.274	6.4	18.6
9 8	21 29.53	− 6 55.8	1.309	2.266	10.5	18.8
9 18	21 25.99	− 8 57.0	1.360	2.260	14.7	19.1

263141 2007 VO_{191} 8 16.4 228°.63 2°.3/14.7 17

7 10	22 11.60	−16 14.0	1.673	2.527	15.4	21.4
7 20	22 7.17	−16 59.8	1.591	2.519	11.9	21.1
7 30	22 0.19	−17 55.6	1.531	2.511	7.8	20.9
8 9	21 51.24	−18 55.4	1.496	2.502	3.6	20.6
8 19	21 41.27	−19 52.2	1.487	2.493	3.1	20.6
8 29	21 31.47	−20 39.0	1.504	2.484	7.3	20.8
9 8	21 23.07	−21 11.1	1.547	2.474	11.6	21.0
9 18	21 16.97	−21 26.7	1.612	2.464	15.3	21.2

19630 Janebell 8 16.4 204°.90 1°.0/15.4 18

7 10	22 6.29	−10 56.4	1.856	2.701	14.5	18.3
7 20	22 2.76	−12 11.2	1.777	2.699	11.2	18.1
7 30	21 57.11	−13 41.1	1.720	2.698	7.3	17.9
8 9	21 49.86	−15 20.3	1.689	2.697	3.0	17.6
8 19	21 41.79	−17 1.4	1.686	2.695	1.9	17.5
8 29	21 33.87	−18 35.9	1.710	2.694	6.1	17.8
9 8	21 27.09	−19 57.3	1.761	2.692	10.1	18.0
9 18	21 22.21	−21 1.4	1.835	2.690	13.7	18.3

313139 2001 CZ_{24} 8 16.4 216°.20 0°.9/15.5 18

7 10	22 7.74	−15 12.4	2.900	3.730	10.2	21.9
7 20	22 3.06	−15 35.3	2.807	3.722	7.9	21.8
7 30	21 56.90	−16 3.5	2.739	3.713	5.1	21.6
8 9	21 49.66	−16 34.1	2.698	3.704	2.2	21.4
8 19	21 41.88	−17 4.0	2.686	3.695	1.4	21.3
8 29	21 34.20	−17 30.0	2.703	3.685	4.3	21.5
9 8	21 27.28	−17 49.7	2.749	3.675	7.2	21.6
9 18	21 21.63	−18 1.6	2.821	3.664	9.8	21.8

390171 2012 VE_{107} 8 16.4 294°.44 1°.8/17.7 18

7 10	22 7.77	− 7 23.2	1.812	2.644	15.4	21.1
7 20	22 3.90	− 7 28.4	1.729	2.639	12.2	20.9
7 30	21 57.85	− 7 47.6	1.666	2.634	8.4	20.7
8 9	21 50.18	− 8 18.5	1.628	2.629	4.3	20.4
8 19	21 41.68	− 8 57.5	1.615	2.625	1.9	20.3
8 29	21 33.36	− 9 39.6	1.629	2.620	5.4	20.5
9 8	21 26.21	−10 19.7	1.669	2.616	9.5	20.7
9 18	21 21.01	−10 53.5	1.733	2.612	13.2	20.9

323662 2005 EX_{24} 8 16.4 212°.68 2°.5/14.5 17

7 10	22 12.77	−17 4.1	1.786	2.635	14.8	21.5
7 20	22 7.92	−17 51.4	1.704	2.629	11.4	21.3
7 30	22 0.60	−18 47.4	1.644	2.623	7.5	21.0
8 9	21 51.41	−19 46.1	1.609	2.615	3.6	20.8
8 19	21 41.24	−20 40.7	1.602	2.607	3.3	20.7
8 29	21 31.25	−21 24.8	1.621	2.598	7.1	20.9
9 8	21 22.60	−21 54.2	1.666	2.589	11.2	21.2
9 18	21 16.17	−22 7.3	1.734	2.579	14.8	21.4

314392 2005 UQ_{161} 8 16.4 339°.84 6°.6/22.1 15

7 10	22 2.98	+ 5 13.8	1.844	2.627	16.9	20.5
7 20	22 0.22	+ 5 34.5	1.756	2.619	14.4	20.3
7 30	21 55.44	+ 5 33.4	1.687	2.611	11.5	20.1
8 9	21 49.15	+ 5 9.3	1.639	2.604	8.6	19.9
8 19	21 42.05	+ 4 23.2	1.614	2.598	6.7	19.8
8 29	21 35.05	+ 3 19.1	1.615	2.592	7.2	19.8
9 8	21 29.09	+ 2 3.6	1.641	2.587	9.7	20.0
9 18	21 24.92	+ 0 44.0	1.691	2.582	12.7	20.2

237471 2000 DR_{20} 8 16.4 82°.04 1°.4/17.8 16

7 10	22 5.97	− 5 12.6	1.914	2.737	15.0	20.1
7 20	22 2.26	− 6 0.2	1.845	2.750	11.8	19.9
7 30	21 56.62	− 7 4.6	1.797	2.763	8.0	19.7
8 9	21 49.59	− 8 22.0	1.775	2.776	4.0	19.5
8 19	21 41.93	− 9 46.7	1.779	2.789	1.5	19.4
8 29	21 34.54	−11 11.8	1.811	2.802	5.0	19.6
9 8	21 28.28	−12 30.7	1.871	2.815	8.8	19.9
9 18	21 23.80	−13 38.8	1.954	2.828	12.1	20.1

519768 2013 EB_{151} 8 16.4 300°.51 3°.0/19.3 18

7 10	22 4.45	− 2 17.1	2.253	3.057	13.6	21.2
7 20	22 0.93	− 2 24.4	2.163	3.051	11.0	21.0
7 30	21 55.70	− 2 46.6	2.094	3.046	8.0	20.8
8 9	21 49.20	− 3 22.6	2.050	3.041	4.9	20.6
8 19	21 42.06	− 4 9.6	2.032	3.036	3.0	20.5
8 29	21 35.03	− 5 3.6	2.042	3.031	4.8	20.6
9 8	21 28.88	− 5 59.6	2.079	3.026	7.9	20.8
9 18	21 24.23	− 6 53.1	2.141	3.021	11.0	20.9

454991 2015 TG_{233} 8 16.4 298°.84 0°.6/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 4.88	− 9 35.4	2.202	3.035	12.9	21.8
7 20	22 1.45	− 9 59.1	2.099	3.013	10.2	21.6
7 30	21 56.17	−10 34.6	2.018	2.990	6.9	21.3
8 9	21 49.47	−11 19.2	1.962	2.967	3.2	21.0
8 19	21 41.95	−12 9.1	1.933	2.944	1.0	20.8
8 29	21 34.44	−12 59.6	1.932	2.921	4.9	21.1
9 8	21 27.78	−13 46.0	1.957	2.899	8.7	21.3
9 18	21 22.69	−14 24.5	2.007	2.876	12.1	21.4

401466 2013 CQ_{173} 8 16.4 32°.09 0°.1/16.4 18

7 10	22 5.81	−11 13.5	1.822	2.670	14.6	20.6
7 20	22 2.24	−11 36.4	1.757	2.680	11.3	20.4
7 30	21 56.64	−12 10.6	1.714	2.690	7.4	20.2
8 9	21 49.60	−12 52.1	1.695	2.701	3.2	19.9
8 19	21 41.94	−13 36.2	1.701	2.713	1.1	19.8
8 29	21 34.61	−14 17.7	1.735	2.725	5.3	20.1
9 8	21 28.48	−14 52.1	1.795	2.737	9.2	20.4
9 18	21 24.23	−15 16.6	1.877	2.750	12.6	20.6

514919 2008 TW_{163} 8 16.4 295°.09 0°.1/16.4 18

7 10	22 8.08	−11 35.2	1.671	2.520	15.6	22.3
7 20	22 4.51	−11 52.0	1.578	2.502	12.3	22.0
7 30	21 58.50	−12 21.3	1.507	2.483	8.2	21.7
8 9	21 50.57	−12 59.8	1.458	2.465	3.6	21.4
8 19	21 41.55	−13 42.6	1.436	2.447	1.3	21.2
8 29	21 32.59	−14 23.7	1.439	2.429	6.2	21.5
9 8	21 24.87	−14 57.7	1.468	2.411	10.8	21.7
9 18	21 19.30	−15 21.0	1.518	2.393	14.9	21.9

72928 2002 AD_{5} 8 16.4 174°.61 0°.8/17.1 18

7 10	22 6.75	− 9 15.8	2.309	3.134	12.7	20.7
7 20	22 2.61	− 9 34.0	2.226	3.135	9.9	20.6
7 30	21 56.74	−10 2.7	2.166	3.136	6.6	20.4
8 9	21 49.64	−10 39.1	2.132	3.136	3.1	20.1
8 19	21 41.93	−11 19.7	2.126	3.137	1.0	20.0
8 29	21 34.39	−12 0.4	2.147	3.137	4.5	20.2
9 8	21 27.78	−12 37.4	2.197	3.137	7.9	20.5
9 18	21 22.71	−13 7.7	2.271	3.137	11.0	20.6

312363 2008 DQ_{61} 8 16.4 325°.78 2°.2/14.6 18

7 10	22 8.50	−18 15.4	2.022	2.875	13.2	21.2
7 20	22 4.26	−18 45.0	1.945	2.872	10.1	21.0
7 30	21 57.98	−19 20.0	1.891	2.870	6.6	20.8
8 9	21 50.21	−19 55.7	1.862	2.868	3.2	20.6
8 19	21 41.73	−20 27.2	1.860	2.865	2.9	20.5
8 29	21 33.49	−20 50.2	1.885	2.863	6.2	20.7
9 8	21 26.41	−21 1.7	1.936	2.861	9.7	21.0
9 18	21 21.18	−21 0.8	2.011	2.859	12.9	21.2

172178 2002 PU_{43} 8 16.4 358°.99 3°.2/14.9 18

7 10	22 12.48	−21 31.3	1.379	2.251	17.0	18.7
7 20	22 8.18	−21 25.0	1.312	2.248	13.2	18.4
7 30	22 0.94	−21 20.2	1.264	2.246	8.8	18.2
8 9	21 51.57	−21 11.6	1.240	2.245	4.5	17.9
8 19	21 41.26	−20 54.3	1.239	2.245	3.9	17.9
8 29	21 31.48	−20 25.1	1.264	2.246	8.0	18.1
9 8	21 23.55	−19 43.4	1.312	2.248	12.4	18.4
9 18	21 18.35	−18 50.6	1.381	2.252	16.4	18.6

437044 2012 TF_{320} 8 16.4 356°.16 4°.1/18.2 18

7 10	22 12.37	− 7 7.3	1.422	2.261	18.4	20.0
7 20	22 7.96	− 6 3.5	1.347	2.258	14.8	19.7
7 30	22 0.78	− 5 11.6	1.291	2.255	10.7	19.5
8 9	21 51.53	− 4 32.2	1.257	2.254	6.4	19.3
8 19	21 41.25	− 4 5.3	1.248	2.253	4.1	19.1
8 29	21 31.29	− 3 48.8	1.264	2.253	7.0	19.3
9 8	21 22.94	− 3 39.4	1.304	2.253	11.3	19.5
9 18	21 17.14	− 3 33.4	1.365	2.255	15.3	19.8

154403 2003 AM_{54} 8 16.4 285°.61 0°.8/15.8 18

7 10	22 9.97	−13 31.5	1.594	2.448	16.1	20.5
7 20	22 6.18	−13 53.3	1.499	2.426	12.6	20.2
7 30	21 59.74	−14 27.0	1.425	2.404	8.3	20.0
8 9	21 51.16	−15 8.5	1.374	2.381	3.6	19.6
8 19	21 41.34	−15 51.9	1.348	2.359	1.8	19.4
8 29	21 31.52	−16 30.9	1.349	2.336	6.9	19.7
9 8	21 23.01	−17 0.0	1.374	2.314	11.7	19.9
9 18	21 16.84	−17 15.9	1.421	2.291	16.0	20.1

342042 2008 RT_{118} 8 16.4 259°.22 1°.5/15.2 18

7 10	22 9.32	−15 22.3	1.878	2.728	14.2	21.6
7 20	22 5.12	−15 53.6	1.794	2.719	10.9	21.3
7 30	21 58.69	−16 33.6	1.731	2.710	7.1	21.1
8 9	21 50.58	−17 17.7	1.694	2.701	3.1	20.8
8 19	21 41.59	−18 0.6	1.683	2.691	2.2	20.7
8 29	21 32.78	−18 36.7	1.699	2.682	6.2	21.0
9 8	21 25.15	−19 2.2	1.741	2.672	10.2	21.2
9 18	21 19.52	−19 14.9	1.806	2.663	13.8	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
125144 2001 UT_{66}			8 16.4 352°.87		1°.1/15.8 18	
	h m	° ′			°	m
7 10	22 10.02	−15 32.5	1.301	2.172	18.0	18.8
7 20	22 6.44	−15 31.0	1.231	2.167	13.9	18.5
7 30	21 59.91	−15 38.4	1.181	2.164	9.2	18.3
8 9	21 51.18	−15 50.3	1.153	2.161	3.9	17.9
8 19	21 41.39	−16 1.4	1.149	2.159	2.1	17.8
8 29	21 32.00	−16 6.5	1.169	2.158	7.3	18.1
9 8	21 24.38	−16 2.0	1.212	2.158	12.3	18.4
9 18	21 19.48	−15 46.5	1.275	2.158	16.6	18.7
381886 2010 AL_{80}			8 16.4 239°.02		3°.1/18.7 18	
7 10	22 11.10	− 4 17.6	2.099	2.902	14.5	21.8
7 20	22 6.27	− 4 3.8	1.999	2.889	11.7	21.6
7 30	21 59.37	− 4 3.1	1.921	2.875	8.5	21.4
8 9	21 50.87	− 4 14.8	1.867	2.860	5.1	21.2
8 19	21 41.49	− 4 36.9	1.840	2.845	3.1	21.0
8 29	21 32.14	− 5 6.3	1.841	2.829	5.3	21.1
9 8	21 23.79	− 5 38.6	1.870	2.812	8.9	21.3
9 18	21 17.20	− 6 9.8	1.923	2.795	12.3	21.5
250829 2005 UE_{85}			8 16.4 23°.72		3°.9/19.8 18	
7 10	22 4.48	− 0 54.4	1.880	2.689	15.7	20.6
7 20	22 1.21	− 0 54.4	1.805	2.694	12.8	20.4
7 30	21 55.99	− 1 12.4	1.749	2.699	9.4	20.2
8 9	21 49.36	− 1 47.6	1.717	2.705	6.0	20.0
8 19	21 42.06	− 2 36.7	1.710	2.711	3.9	19.9
8 29	21 34.99	− 3 35.0	1.730	2.718	5.5	20.0
9 8	21 29.00	− 4 36.3	1.775	2.725	8.8	20.2
9 18	21 24.78	− 5 35.1	1.844	2.732	12.0	20.4
34088 Satokosuka			8 16.4 328°.89		1°.1/17.0 18	
7 10	22 7.97	− 9 18.6	1.233	2.097	19.2	18.4
7 20	22 5.04	− 9 29.5	1.160	2.090	15.2	18.2
7 30	21 59.14	− 9 58.5	1.106	2.084	10.3	17.9
8 9	21 50.92	−10 42.1	1.072	2.078	4.8	17.5
8 19	21 41.48	−11 34.2	1.062	2.073	1.6	17.3
8 29	21 32.31	−12 26.9	1.075	2.068	7.1	17.7
9 8	21 24.85	−13 12.4	1.111	2.064	12.4	17.9
9 18	21 20.14	−13 45.7	1.167	2.060	17.1	18.2
218917 2007 TJ_{68}			8 16.4 282°.61		8°.5/ 9.6 18	
7 10	22 16.74	−35 33.9	1.987	2.834	13.6	20.1
7 20	22 11.23	−36 33.9	1.903	2.811	11.4	19.9
7 30	22 2.93	−37 27.8	1.842	2.787	9.4	19.8
8 9	21 52.49	−38 7.0	1.804	2.763	8.5	19.7
8 19	21 40.93	−38 23.9	1.792	2.739	9.2	19.7
8 29	21 29.60	−38 14.1	1.805	2.715	11.4	19.8
9 8	21 19.82	−37 37.4	1.841	2.691	14.0	19.9
9 18	21 12.55	−36 37.0	1.897	2.666	16.5	20.0
254208 2004 RF_{87}			8 16.4 31°.98		7°.0/24.0 18	
7 10	22 3.47	+ 9 59.8	2.157	2.898	16.0	20.3
7 20	22 0.25	+10 10.8	2.075	2.902	13.8	20.2
7 30	21 55.28	+ 9 59.4	2.010	2.906	11.4	20.0
8 9	21 49.05	+ 9 24.7	1.967	2.910	9.0	19.9
8 19	21 42.18	+ 8 27.8	1.949	2.914	7.3	19.8
8 29	21 35.48	+ 7 12.4	1.956	2.919	7.3	19.8
9 8	21 29.71	+ 5 44.8	1.989	2.924	8.9	19.9
9 18	21 25.50	+ 4 12.0	2.047	2.929	11.3	20.1
326372 2000 WF_{184}			8 16.4 279°.83		0°.4/16.1 18	
7 10	22 8.62	−11 12.6	1.451	2.307	17.2	20.9
7 20	22 5.32	−11 48.1	1.364	2.292	13.5	20.7
7 30	21 59.25	−12 40.3	1.296	2.275	9.0	20.4
8 9	21 50.99	−13 44.6	1.252	2.259	3.9	20.0
8 19	21 41.46	−14 53.9	1.232	2.243	1.6	19.8
8 29	21 31.98	−15 59.9	1.238	2.227	7.1	20.1
9 8	21 23.93	−16 55.1	1.267	2.210	12.2	20.4
9 18	21 18.36	−17 34.8	1.318	2.194	16.6	20.6
448405 2009 RV_{74}			8 16.4 306°.83		7°.3/23.9 16	
7 10	22 3.20	+10 15.8	2.276	3.011	15.4	21.1
7 20	22 0.07	+10 37.0	2.178	3.000	13.4	21.0
7 30	21 55.22	+10 37.4	2.098	2.988	11.2	20.8
8 9	21 49.06	+10 15.4	2.040	2.977	9.0	20.6
8 19	21 42.19	+ 9 31.1	2.005	2.966	7.5	20.5
8 29	21 35.37	+ 8 27.2	1.996	2.955	7.5	20.5
9 8	21 29.37	+ 7 9.0	2.013	2.944	9.1	20.6
9 18	21 24.85	+ 5 42.8	2.055	2.933	11.4	20.7
264814 2002 PT_{120}			8 16.4 14°.94		3°.5/18.3 17	
7 10	22 7.52	− 6 28.7	1.128	1.990	20.7	19.7
7 20	22 4.69	− 6 0.7	1.069	1.994	16.6	19.4
7 30	21 58.84	− 5 52.1	1.026	1.998	11.7	19.2
8 9	21 50.75	− 6 1.7	1.003	2.004	6.5	18.9
8 19	21 41.61	− 6 25.7	1.003	2.011	3.5	18.8
8 29	21 32.94	− 6 58.1	1.025	2.019	7.2	19.0
9 8	21 26.16	− 7 31.6	1.069	2.027	12.1	19.3
9 18	21 22.19	− 8 0.3	1.134	2.037	16.6	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
440450 2005 SE_{88}			8 16.4 212°.09		2°.9/13.9 18	
	h m	° ′			°	m
7 10	22 10.38	−21 39.3	2.397	3.243	11.6	21.5
7 20	22 5.41	−22 6.9	2.317	3.240	8.9	21.3
7 30	21 58.60	−22 36.5	2.261	3.237	6.0	21.1
8 9	21 50.47	−23 3.9	2.232	3.233	3.4	20.9
8 19	21 41.72	−23 24.7	2.230	3.229	3.4	20.9
8 29	21 33.20	−23 35.7	2.257	3.226	6.1	21.1
9 8	21 25.71	−23 35.1	2.310	3.221	9.0	21.3
9 18	21 19.88	−23 22.5	2.388	3.217	11.7	21.4
362850 2012 BY_{31}			8 16.4 133°.28		2°.6/13.7 18	
7 10	22 7.75	−20 32.2	2.659	3.504	10.6	21.8
7 20	22 3.16	−21 13.9	2.590	3.512	8.1	21.7
7 30	21 57.00	−21 58.2	2.545	3.521	5.4	21.5
8 9	21 49.74	−22 41.1	2.527	3.529	3.0	21.4
8 19	21 41.99	−23 18.5	2.538	3.537	3.1	21.4
8 29	21 34.48	−23 46.9	2.577	3.545	5.5	21.5
9 8	21 27.86	−24 4.3	2.644	3.552	8.2	21.7
9 18	21 22.69	−24 10.0	2.734	3.559	10.6	21.9
510645 2012 TF_{221}			8 16.4 250°.18		1°.8/14.9 18	
7 10	22 10.40	−16 34.9	2.024	2.870	13.4	22.7
7 20	22 5.87	−17 7.4	1.933	2.856	10.4	22.5
7 30	21 59.17	−17 47.3	1.864	2.842	6.8	22.2
8 9	21 50.82	−18 30.0	1.821	2.828	3.1	22.0
8 19	21 41.58	−19 10.5	1.806	2.813	2.5	21.9
8 29	21 32.45	−19 43.5	1.818	2.798	6.2	22.1
9 8	21 24.42	−20 5.4	1.856	2.782	10.0	22.3
9 18	21 18.29	−20 14.5	1.918	2.766	13.4	22.5
80373 1999 XF_{155}			8 16.4 287°.56		0°.2/16.5 18	
7 10	22 8.34	−10 21.7	1.506	2.358	16.9	20.1
7 20	22 5.07	−10 47.5	1.412	2.337	13.3	19.8
7 30	21 59.11	−11 29.6	1.338	2.315	9.0	19.5
8 9	21 50.96	−12 24.5	1.286	2.293	4.0	19.1
8 19	21 41.51	−13 26.2	1.260	2.271	1.4	18.9
8 29	21 32.03	−14 27.1	1.259	2.249	6.8	19.2
9 8	21 23.86	−15 20.1	1.282	2.227	11.9	19.4
9 18	21 18.08	−15 59.9	1.326	2.205	16.4	19.6
189630 2001 LE_{6}			8 16.4 230°.96		8°.6/18.9 17	
7 10	22 45.08	+ 2 32.9	1.255	2.005	25.0	20.9
7 20	22 35.88	+ 3 19.0	1.134	1.984	21.4	20.5
7 30	22 21.35	+ 3 41.8	1.030	1.957	16.8	20.1
8 9	22 1.52	+ 3 34.8	0.949	1.925	11.6	19.7
8 19	21 37.47	+ 2 53.2	0.894	1.887	8.6	19.4
8 29	21 11.75	+ 1 39.7	0.871	1.844	12.1	19.5
9 8	20 47.64	+ 0 5.6	0.876	1.796	18.9	19.6
9 18	20 27.90	− 1 34.2	0.905	1.741	25.7	19.9
144269 2004 CJ_{96}			8 16.4 143°.77		1°.0/17.2 17	
7 10	22 10.92	− 8 28.6	1.799	2.629	15.5	21.0
7 20	22 6.25	− 8 51.6	1.726	2.637	12.1	20.8
7 30	21 59.36	− 9 28.6	1.675	2.644	8.2	20.6
8 9	21 50.86	−10 16.0	1.647	2.651	3.9	20.4
8 19	21 41.61	−11 9.0	1.647	2.658	1.3	20.2
8 29	21 32.64	−12 1.7	1.674	2.664	5.4	20.5
9 8	21 24.97	−12 48.9	1.728	2.670	9.5	20.7
9 18	21 19.34	−13 26.7	1.805	2.675	13.1	21.0
446188 2013 FX_{18}			8 16.4 188°.60		3°.6/12.6 18	
7 10	22 6.45	−21 46.2	2.358	3.213	11.5	20.6
7 20	22 2.49	−22 51.8	2.285	3.212	8.8	20.4
7 30	21 56.74	−24 1.0	2.236	3.212	6.0	20.3
8 9	21 49.70	−25 8.2	2.214	3.212	3.8	20.1
8 19	21 42.01	−26 7.9	2.219	3.211	4.3	20.1
8 29	21 34.51	−26 55.2	2.252	3.211	6.8	20.3
9 8	21 27.97	−27 27.3	2.311	3.210	9.6	20.5
9 18	21 23.03	−27 43.3	2.393	3.210	12.1	20.7
108500 2001 KZ_{65}			8 16.4 23°.14		2°.8/13.9 18	
7 10	22 4.68	−15 24.9	1.531	2.400	15.8	18.8
7 20	22 1.89	−16 42.7	1.469	2.406	12.0	18.6
7 30	21 56.71	−18 12.5	1.429	2.412	7.8	18.3
8 9	21 49.77	−19 46.6	1.413	2.419	3.7	18.1
8 19	21 42.00	−21 15.9	1.422	2.427	3.7	18.1
8 29	21 34.56	−22 31.9	1.457	2.435	7.7	18.4
9 8	21 28.53	−23 29.0	1.516	2.443	11.7	18.7
9 18	21 24.71	−24 4.9	1.596	2.453	15.3	18.9
504459 2008 CF_{209}			8 16.4 207°.92		1°.8/17.8 17	
7 10	22 10.01	− 6 30.7	1.676	2.506	16.5	21.5
7 20	22 5.84	− 6 47.4	1.594	2.503	13.1	21.3
7 30	21 59.28	− 7 20.7	1.532	2.500	9.0	21.0
8 9	21 50.91	− 8 8.1	1.494	2.496	4.6	20.8
8 19	21 41.58	− 9 4.9	1.482	2.492	1.9	20.6
8 29	21 32.44	−10 4.7	1.496	2.487	5.8	20.8
9 8	21 24.60	−11 1.2	1.537	2.483	10.2	21.1
9 18	21 18.91	−11 49.2	1.600	2.477	14.1	21.3

481429 2006 UF_{164} 8 16.4 297°.55 5°.1/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 4.35	+ 3 13.1	2.015	2.800	15.7	21.7
7 20	22 1.14	+ 3 13.2	1.923	2.791	13.1	21.5
7 30	21 56.01	+ 2 53.0	1.849	2.782	10.1	21.3
8 9	21 49.44	+ 2 12.5	1.799	2.774	7.1	21.1
8 19	21 42.10	+ 1 13.8	1.774	2.766	5.2	21.0
8 29	21 34.84	+ 0 1.2	1.775	2.757	6.1	21.0
9 8	21 28.54	− 1 18.6	1.802	2.749	8.9	21.2
9 18	21 23.90	− 2 39.1	1.855	2.741	12.0	21.4

289455 2005 EW_{58} 8 16.4 61°.43 3°.9/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 17.64	−21 30.9	1.286	2.155	18.3	20.4
7 20	22 12.04	−21 49.7	1.239	2.173	14.0	20.1
7 30	22 3.35	−22 11.1	1.211	2.192	9.3	19.9
8 9	21 52.57	−22 27.9	1.207	2.211	4.9	19.7
8 19	21 41.07	−22 33.7	1.226	2.230	4.6	19.8
8 29	21 30.44	−22 24.5	1.271	2.249	8.6	20.1
9 8	21 22.00	−21 59.6	1.339	2.268	12.9	20.4
9 18	21 16.54	−21 20.9	1.428	2.287	16.6	20.7

36498 2000 QW_{53} 8 16.4 265°.54 0°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.65	−10 2.0	1.499	2.349	17.1	18.7
7 20	22 5.26	−10 47.2	1.411	2.335	13.4	18.5
7 30	21 59.19	−11 50.7	1.343	2.320	8.9	18.2
8 9	21 50.98	−13 7.8	1.298	2.305	3.9	17.8
8 19	21 41.53	−14 31.3	1.279	2.290	1.5	17.6
8 29	21 32.14	−15 52.1	1.285	2.274	6.9	17.9
9 8	21 24.10	−17 2.0	1.316	2.258	11.9	18.2
9 18	21 18.47	−17 55.6	1.369	2.242	16.3	18.4

445010 2008 HE_{18} 8 16.4 72°.44 2°.7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.79	− 2 8.9	2.195	2.999	13.9	21.3
7 20	22 1.13	− 2 34.1	2.123	3.012	11.2	21.1
7 30	21 55.79	− 3 15.2	2.072	3.025	8.0	20.9
8 9	21 49.27	− 4 10.1	2.045	3.038	4.7	20.8
8 19	21 42.21	− 5 14.9	2.045	3.051	2.7	20.7
8 29	21 35.38	− 6 24.6	2.074	3.064	4.6	20.8
9 8	21 29.50	− 7 33.6	2.130	3.077	7.7	21.0
9 18	21 25.16	− 8 37.3	2.211	3.090	10.7	21.2

480405 2015 KN_{77} 8 16.4 105°.55 6°.4/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.73	−27 9.1	1.838	2.702	13.8	20.9
7 20	22 6.31	−28 41.3	1.784	2.711	10.8	20.7
7 30	21 59.51	−30 13.2	1.753	2.721	8.0	20.6
8 9	21 50.97	−31 36.1	1.747	2.730	6.5	20.5
8 19	21 41.65	−32 42.0	1.767	2.739	7.3	20.6
8 29	21 32.71	−33 25.3	1.812	2.748	9.8	20.7
9 8	21 25.21	−33 44.5	1.882	2.757	12.6	20.9
9 18	21 19.93	−33 40.8	1.972	2.766	15.2	21.1

316665 1995 DD_{6} 8 16.4 199°.66 0°.9/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.18	− 7 42.6	1.690	2.523	16.2	22.0
7 20	22 5.99	− 8 18.0	1.608	2.520	12.8	21.8
7 30	21 59.40	− 9 10.3	1.547	2.518	8.7	21.5
8 9	21 50.99	−10 15.8	1.510	2.514	4.1	21.3
8 19	21 41.63	−11 28.6	1.499	2.510	1.3	21.1
8 29	21 32.43	−12 41.5	1.516	2.506	5.8	21.4
9 8	21 24.54	−13 47.5	1.558	2.501	10.3	21.6
9 18	21 18.79	−14 41.7	1.624	2.496	14.3	21.8

404535 2013 HY_{142} 8 16.4 102°.26 0°.3/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.43	−12 13.4	2.438	3.271	11.9	21.9
7 20	22 2.25	−12 42.6	2.366	3.281	9.1	21.8
7 30	21 56.47	−13 19.8	2.317	3.291	5.9	21.6
8 9	21 49.57	−14 1.9	2.294	3.300	2.5	21.4
8 19	21 42.16	−14 44.9	2.299	3.310	1.0	21.3
8 29	21 34.98	−15 25.0	2.333	3.320	4.5	21.5
9 8	21 28.71	−15 58.7	2.395	3.329	7.7	21.8
9 18	21 23.90	−16 23.9	2.481	3.338	10.5	22.0

255317 2005 WD_{25} 8 16.4 314°.99 4°.3/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.39	− 0 31.3	2.138	2.933	14.5	20.0
7 20	22 2.56	− 0 10.0	2.048	2.927	12.0	19.8
7 30	21 56.88	− 0 3.7	1.979	2.921	9.0	19.6
8 9	21 49.83	− 0 12.4	1.934	2.916	6.1	19.4
8 19	21 42.07	− 0 34.7	1.914	2.911	4.3	19.3
8 29	21 34.42	− 1 7.6	1.922	2.905	5.6	19.4
9 8	21 27.72	− 1 46.7	1.956	2.900	8.4	19.6
9 18	21 22.63	− 2 27.3	2.014	2.896	11.5	19.7

43566 2001 FQ_{116} 8 16.4 331°.97 0°.9/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 0.62	− 5 52.7	1.414	2.269	17.6	17.9
7 20	21 59.11	− 6 49.7	1.327	2.252	14.0	17.6
7 30	21 55.15	− 8 11.8	1.260	2.236	9.6	17.3
8 9	21 49.25	− 9 54.8	1.215	2.221	4.6	17.0
8 19	21 42.24	−11 50.8	1.195	2.206	1.4	16.7
8 29	21 35.29	−13 49.0	1.200	2.193	6.5	17.0
9 8	21 29.62	−15 38.1	1.229	2.180	11.6	17.2
9 18	21 26.21	−17 9.7	1.279	2.169	16.1	17.5

76387 2000 FV_{5} 8 16.4 260°.81 3°.3/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 11.28	−21 23.2	2.126	2.976	12.7	19.9
7 20	22 6.52	−21 59.6	2.035	2.959	9.8	19.6
7 30	21 59.61	−22 39.5	1.966	2.943	6.6	19.4
8 9	21 51.06	−23 17.9	1.924	2.925	3.8	19.2
8 19	21 41.64	−23 49.3	1.909	2.908	3.9	19.2
8 29	21 32.33	−24 9.2	1.922	2.890	7.0	19.3
9 8	21 24.12	−24 14.9	1.960	2.872	10.4	19.5
9 18	21 17.80	−24 6.0	2.022	2.854	13.5	19.7

510169 2011 AH_{43} 8 16.4 319°.88 2°.5/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.54	−14 23.1	1.259	2.139	17.9	21.1
7 20	22 2.56	−15 23.2	1.180	2.122	13.9	20.8
7 30	21 57.66	−16 40.6	1.120	2.105	9.1	20.5
8 9	21 50.42	−18 8.1	1.081	2.089	4.1	20.1
8 19	21 41.83	−19 36.0	1.066	2.074	3.6	20.1
8 29	21 33.35	−20 53.1	1.075	2.059	8.7	20.3
9 8	21 26.45	−21 51.2	1.106	2.045	13.9	20.6
9 18	21 22.26	−22 26.1	1.156	2.033	18.4	20.8

205367 2000 YH_{54} 8 16.4 305°.85 0°.1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.96	−11 55.3	1.572	2.427	16.2	20.1
7 20	22 4.67	−12 6.2	1.478	2.404	12.8	19.8
7 30	21 58.79	−12 29.6	1.403	2.381	8.6	19.5
8 9	21 50.84	−13 2.3	1.351	2.358	3.8	19.2
8 19	21 41.69	−13 39.4	1.325	2.336	1.3	18.9
8 29	21 32.54	−14 15.1	1.324	2.314	6.5	19.2
9 8	21 24.66	−14 43.7	1.347	2.292	11.4	19.4
9 18	21 19.07	−15 1.6	1.392	2.271	15.7	19.7

342716 2008 WU_{14} 8 16.4 295°.69 2°.9/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.96	− 5 28.9	1.686	2.516	16.4	21.6
7 20	22 4.47	− 5 19.6	1.587	2.493	13.3	21.4
7 30	21 58.56	− 5 26.0	1.508	2.471	9.5	21.1
8 9	21 50.72	− 5 47.2	1.451	2.449	5.4	20.8
8 19	21 41.73	− 6 20.6	1.419	2.427	3.0	20.6
8 29	21 32.72	− 7 1.7	1.414	2.405	6.0	20.7
9 8	21 24.84	− 7 44.6	1.433	2.383	10.4	20.9
9 18	21 19.05	− 8 24.0	1.475	2.361	14.6	21.1

102035 1999 RG_{108} 8 16.4 6°.71 6°.5/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.09	+ 4 18.9	1.804	2.591	17.1	19.2
7 20	22 1.08	+ 4 47.2	1.726	2.592	14.4	19.0
7 30	21 56.04	+ 4 54.4	1.666	2.593	11.4	18.8
8 9	21 49.50	+ 4 39.6	1.628	2.595	8.5	18.6
8 19	21 42.20	+ 4 3.9	1.614	2.598	6.6	18.5
8 29	21 35.10	+ 3 11.2	1.624	2.601	7.1	18.6
9 8	21 29.11	+ 2 7.8	1.660	2.605	9.6	18.7
9 18	21 24.94	+ 1 0.4	1.719	2.610	12.6	18.9

134217 2005 UZ_{336} 8 16.4 247°.89 3°.9/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.80	−22 13.5	2.506	3.359	10.9	19.7
7 20	22 2.02	−23 36.6	2.424	3.351	8.4	19.5
7 30	21 56.50	−25 4.1	2.368	3.342	5.8	19.4
8 9	21 49.67	−26 30.1	2.339	3.334	4.0	19.2
8 19	21 42.14	−27 48.4	2.338	3.325	4.6	19.3
8 29	21 34.69	−28 53.8	2.365	3.316	7.0	19.4
9 8	21 28.10	−29 42.9	2.419	3.307	9.7	19.5
9 18	21 23.00	−30 14.4	2.496	3.298	12.1	19.7

283357 2000 AO_{37} 8 16.4 266°.53 4°.0/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.22	− 2 42.7	2.109	2.905	14.7	20.8
7 20	22 6.47	− 2 11.5	2.002	2.884	12.0	20.5
7 30	21 59.61	− 1 53.0	1.916	2.863	9.0	20.3
8 9	21 51.10	− 1 47.4	1.855	2.842	5.8	20.1
8 19	21 41.62	− 1 53.9	1.821	2.820	4.0	19.9
8 29	21 32.12	− 2 10.3	1.814	2.798	5.8	20.0
9 8	21 23.54	− 2 32.8	1.834	2.776	9.1	20.1
9 18	21 16.71	− 2 57.5	1.879	2.753	12.5	20.3

36739 2000 RG_{61} 8 16.4 303°.56 0°.8/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.59	− 8 52.0	2.142	2.973	13.3	18.8
7 20	22 1.94	− 9 14.7	2.057	2.969	10.4	18.6
7 30	21 56.47	− 9 49.4	1.994	2.964	7.0	18.4
8 9	21 49.65	−10 33.1	1.956	2.960	3.3	18.1
8 19	21 42.16	−11 21.9	1.945	2.956	1.1	18.0
8 29	21 34.80	−12 11.1	1.962	2.952	4.7	18.2
9 8	21 28.41	−12 56.1	2.005	2.948	8.4	18.4
9 18	21 23.63	−13 33.4	2.073	2.944	11.7	18.6

338831 2003 WJ_{107} 8 16.4 199°.92 2°.7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.09	− 2 28.5	2.621	3.409	12.3	22.5
7 20	22 3.51	− 2 35.9	2.526	3.405	10.0	22.3
7 30	21 57.34	− 2 56.1	2.452	3.400	7.2	22.1
8 9	21 49.99	− 3 27.9	2.405	3.394	4.4	21.9
8 19	21 42.05	− 4 9.1	2.385	3.388	2.7	21.8
8 29	21 34.19	− 4 56.2	2.395	3.381	4.3	21.9
9 8	21 27.11	− 5 45.2	2.433	3.374	7.2	22.1
9 18	21 21.39	− 6 32.3	2.497	3.366	10.0	22.3

261692 2005 YT_{213} 8 16.4 151°.98 3°.7/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 6.70	−23 22.1	2.592	3.443	10.7	20.2
7 20	22 2.53	−24 25.4	2.522	3.447	8.2	20.1
7 30	21 56.71	−25 30.6	2.476	3.450	5.7	19.9
8 9	21 49.71	−26 32.6	2.458	3.453	3.9	19.8
8 19	21 42.15	−27 26.4	2.468	3.456	4.3	19.8
8 29	21 34.77	−28 7.9	2.506	3.458	6.5	20.0
9 8	21 28.30	−28 34.8	2.570	3.461	9.0	20.2
9 18	21 23.30	−28 46.7	2.657	3.463	11.3	20.3

479935 2014 HL_{141} 8 16.4 242°.57 2°.8/14.1 18

7 10	22 10.36	−19 54.3	2.120	2.970	12.8	21.3
7 20	22 5.72	−20 27.5	2.038	2.963	9.8	21.1
7 30	21 59.00	−21 5.0	1.978	2.955	6.5	20.9
8 9	21 50.77	−21 41.8	1.944	2.948	3.4	20.7
8 19	21 41.78	−22 12.9	1.937	2.940	3.4	20.7
8 29	21 32.98	−22 34.1	1.959	2.932	6.5	20.9
9 8	21 25.31	−22 42.7	2.006	2.923	9.9	21.1
9 18	21 19.47	−22 37.9	2.076	2.915	12.9	21.3

445513 2010 WL_{30} 8 16.4 272°.84 4°.5/20.6 18

7 10	22 5.63	+ 1 27.9	2.385	3.164	13.7	21.0
7 20	22 1.80	+ 1 43.6	2.292	3.158	11.3	20.8
7 30	21 56.30	+ 1 44.3	2.219	3.152	8.7	20.6
8 9	21 49.57	+ 1 29.8	2.171	3.146	6.1	20.4
8 19	21 42.20	+ 1 1.6	2.148	3.139	4.5	20.3
8 29	21 34.92	+ 0 22.4	2.153	3.133	5.4	20.4
9 8	21 28.47	− 0 23.5	2.185	3.127	7.8	20.5
9 18	21 23.45	− 1 11.7	2.242	3.121	10.6	20.7

47854 2000 EY_{150} 8 16.4 266°.42 3°.3/19.4 18

7 10	22 6.11	− 1 44.2	2.050	2.854	14.8	19.2
7 20	22 2.51	− 1 53.4	1.954	2.842	12.0	18.9
7 30	21 56.97	− 2 19.6	1.878	2.829	8.8	18.7
8 9	21 49.93	− 3 2.0	1.826	2.816	5.4	18.5
8 19	21 42.08	− 3 57.7	1.800	2.804	3.3	18.3
8 29	21 34.28	− 5 2.0	1.802	2.791	5.2	18.4
9 8	21 27.42	− 6 8.9	1.830	2.777	8.7	18.6
9 18	21 22.24	− 7 12.7	1.883	2.764	12.1	18.8

49831 1999 XT_{83} 8 16.4 181°.26 0°.8/15.7 18

7 10	22 11.02	−12 44.7	1.866	2.706	14.6	20.0
7 20	22 6.40	−13 25.5	1.788	2.707	11.3	19.8
7 30	21 59.55	−14 17.4	1.732	2.708	7.4	19.6
8 9	21 51.05	−15 15.9	1.701	2.708	3.1	19.3
8 19	21 41.72	−16 15.0	1.697	2.707	1.7	19.2
8 29	21 32.61	−17 8.7	1.721	2.706	5.9	19.5
9 8	21 24.74	−17 52.0	1.772	2.705	10.0	19.7
9 18	21 18.88	−18 22.3	1.846	2.702	13.5	20.0

358802 2008 EA_{62} 8 16.4 340°.30 4°.6/20.4 18

7 10	22 3.84	+ 0 37.0	1.822	2.628	16.3	20.4
7 20	22 0.93	+ 0 41.5	1.736	2.621	13.4	20.2
7 30	21 55.99	+ 0 26.2	1.670	2.615	10.2	20.0
8 9	21 49.52	− 0 8.6	1.626	2.610	6.8	19.7
8 19	21 42.24	− 1 0.4	1.607	2.605	4.7	19.6
8 29	21 35.10	− 2 4.4	1.614	2.600	6.0	19.7
9 8	21 29.02	− 3 14.0	1.646	2.596	9.2	19.9
9 18	21 24.75	− 4 22.7	1.702	2.593	12.7	20.1

389913 2012 TX_{69} 8 16.4 300°.51 2°.7/18.5 18

7 10	22 5.85	− 4 25.0	1.666	2.496	16.6	21.1
7 20	22 2.77	− 4 36.6	1.575	2.482	13.3	20.8
7 30	21 57.39	− 5 6.8	1.504	2.468	9.5	20.6
8 9	21 50.20	− 5 54.1	1.456	2.454	5.3	20.3
8 19	21 42.00	− 6 54.6	1.433	2.441	2.7	20.1
8 29	21 33.86	− 8 2.0	1.436	2.428	5.8	20.3
9 8	21 26.89	− 9 9.1	1.464	2.415	10.1	20.5
9 18	21 21.97	−10 9.6	1.514	2.402	14.2	20.7

429703 2011 HD_{76} 8 16.4 144°.19 2°.0/14.7 17

7 10	22 9.56	−15 29.1	1.928	2.776	13.9	21.6
7 20	22 5.18	−16 26.5	1.858	2.782	10.6	21.4
7 30	21 58.68	−17 32.9	1.810	2.789	6.9	21.2
8 9	21 50.64	−18 42.7	1.788	2.794	3.1	21.0
8 19	21 41.88	−19 49.3	1.794	2.800	2.7	21.0
8 29	21 33.38	−20 46.7	1.827	2.805	6.3	21.2
9 8	21 26.09	−21 30.4	1.886	2.810	10.0	21.5
9 18	21 20.73	−21 58.7	1.969	2.815	13.2	21.7

187959 2001 OW_{66} 8 16.4 332°.94 0°.1/16.4 18

7 10	22 3.96	−11 6.6	1.216	2.091	18.7	19.9
7 20	22 2.11	−11 26.2	1.137	2.075	14.7	19.6
7 30	21 57.36	−12 3.3	1.077	2.060	9.8	19.3
8 9	21 50.31	−12 53.7	1.038	2.046	4.3	18.9
8 19	21 41.96	−13 50.7	1.021	2.033	1.5	18.7
8 29	21 33.76	−14 45.6	1.028	2.021	7.4	19.0
9 8	21 27.17	−15 30.7	1.057	2.010	12.8	19.3
9 18	21 23.27	−16 0.7	1.105	2.000	17.6	19.5

261381 2005 UP_{369} 8 16.4 11°.43 4°.9/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 4.04	+ 1 46.0	1.902	2.698	16.0	20.4
7 20	22 0.94	+ 1 52.3	1.823	2.700	13.3	20.2
7 30	21 55.90	+ 1 39.0	1.763	2.702	10.1	20.0
8 9	21 49.45	+ 1 6.4	1.725	2.705	7.0	19.9
8 19	21 42.30	+ 0 16.9	1.713	2.708	5.0	19.8
8 29	21 35.34	− 0 44.9	1.727	2.711	6.0	19.8
9 8	21 29.43	− 1 52.8	1.766	2.715	8.9	20.0
9 18	21 25.25	− 3 0.5	1.830	2.720	12.0	20.2

159282 2006 AC_{27} 8 16.4 140°.92 0°.2/16.6 18

7 10	22 6.79	−11 15.4	2.651	3.475	11.2	20.7
7 20	22 2.44	−11 34.3	2.572	3.481	8.7	20.6
7 30	21 56.58	−12 0.9	2.516	3.487	5.7	20.4
8 9	21 49.66	−12 32.6	2.488	3.493	2.5	20.2
8 19	21 42.26	−13 6.3	2.487	3.498	0.8	20.0
8 29	21 35.04	−13 38.7	2.516	3.504	4.1	20.3
9 8	21 28.65	−14 6.7	2.573	3.509	7.1	20.5
9 18	21 23.60	−14 28.3	2.655	3.513	9.8	20.7

200504 2001 AX_{25} 8 16.4 221°.81 12°.3/30.1 18

7 10	22 19.98	−50 24.3	2.281	3.083	13.5	20.6
7 20	22 14.44	−52 42.2	2.237	3.074	12.6	20.5
7 30	22 5.55	−54 45.2	2.216	3.064	12.3	20.5
8 9	21 53.91	−56 23.1	2.217	3.054	12.6	20.5
8 19	21 40.72	−57 28.2	2.241	3.044	13.5	20.6
8 29	21 27.65	−57 56.9	2.284	3.033	14.8	20.6
9 8	21 16.41	−57 50.7	2.344	3.021	16.1	20.7
9 18	21 8.25	−57 14.5	2.419	3.009	17.3	20.8

13069 Umbertoeco 8 16.4 268°.39 2°.9/14.5 18 R

7 10	22 14.28	−19 3.1	1.748	2.600	15.0	18.3
7 20	22 9.45	−19 32.9	1.651	2.577	11.6	18.1
7 30	22 1.92	−20 9.2	1.575	2.553	7.8	17.8
8 9	21 52.24	−20 46.5	1.523	2.528	3.9	17.5
8 19	21 41.31	−21 18.3	1.498	2.503	3.6	17.4
8 29	21 30.39	−21 38.8	1.500	2.477	7.6	17.6
9 8	21 20.76	−21 44.4	1.527	2.450	11.9	17.8
9 18	21 13.47	−21 34.1	1.576	2.424	15.9	18.0

306972 2001 VY_{62} 8 16.4 282°.15 3°.5/19.3 16

7 10	22 7.38	− 2 39.1	2.140	2.943	14.3	21.0
7 20	22 3.46	− 2 26.0	2.036	2.923	11.7	20.8
7 30	21 57.61	− 2 27.0	1.954	2.904	8.6	20.6
8 9	21 50.25	− 2 41.8	1.895	2.885	5.4	20.3
8 19	21 42.03	− 3 8.7	1.863	2.865	3.5	20.2
8 29	21 33.82	− 3 44.4	1.859	2.846	5.3	20.3
9 8	21 26.50	− 4 24.6	1.881	2.826	8.7	20.4
9 18	21 20.80	− 5 4.7	1.927	2.806	12.0	20.6

420376 2012 BT_{130} 8 16.4 73°.27 4°.3/14.1 17

7 10	22 15.89	−21 45.0	1.354	2.223	17.5	20.7
7 20	22 10.85	−22 16.8	1.297	2.231	13.5	20.5
7 30	22 2.76	−22 52.1	1.259	2.239	9.1	20.3
8 9	21 52.49	−23 23.0	1.245	2.247	5.1	20.1
8 19	21 41.31	−23 42.4	1.255	2.256	5.0	20.1
8 29	21 30.76	−23 45.1	1.290	2.264	8.9	20.3
9 8	21 22.22	−23 29.6	1.348	2.273	13.1	20.6
9 18	21 16.56	−22 57.6	1.427	2.281	16.9	20.9

380746 2005 SF_{116} 8 16.4 346°.21 0°.3/16.6 13 C

7 10	22 4.45	−11 33.1	1.148	2.027	19.3	20.7
7 20	22 2.55	−11 38.2	1.077	2.017	15.1	20.4
7 30	21 57.66	−11 59.2	1.024	2.007	10.1	20.1
8 9	21 50.43	−12 32.2	0.992	1.999	4.5	19.8
8 19	21 41.97	−13 11.1	0.981	1.993	1.5	19.6
8 29	21 33.79	−13 48.4	0.994	1.987	7.3	19.9
9 8	21 27.35	−14 17.3	1.028	1.983	12.8	20.2
9 18	21 23.71	−14 33.3	1.081	1.981	17.6	20.5

438508 2007 RP_{70} 8 16.4 340°.14 1°.1/15.6 18

7 10	22 6.89	−13 34.7	1.621	2.479	15.6	21.2
7 20	22 3.57	−14 8.3	1.545	2.474	12.1	20.9
7 30	21 57.87	−14 53.5	1.490	2.470	7.9	20.7
8 9	21 50.39	−15 45.5	1.458	2.466	3.4	20.4
8 19	21 42.00	−16 38.1	1.453	2.463	2.0	20.3
8 29	21 33.85	−17 24.7	1.473	2.459	6.5	20.6
9 8	21 27.03	−18 0.4	1.517	2.457	10.8	20.8
9 18	21 22.37	−18 22.1	1.584	2.454	14.6	21.1

191722 2004 RZ_{229} 8 16.4 268°.00 0°.4/16.1 18

7 10	22 9.68	−12 40.8	1.836	2.679	14.7	21.0
7 20	22 5.57	−13 2.2	1.744	2.665	11.5	20.7
7 30	21 59.16	−13 34.5	1.674	2.650	7.6	20.5
8 9	21 50.97	−14 13.8	1.628	2.635	3.3	20.2
8 19	21 41.80	−14 55.4	1.608	2.619	1.4	20.0
8 29	21 32.72	−15 33.8	1.616	2.604	5.9	20.3
9 8	21 24.80	−16 4.3	1.650	2.588	10.2	20.5
9 18	21 18.89	−16 23.9	1.707	2.573	14.0	20.7

320256 2007 PS_{24} 8 16.4 335°.21 4°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 58.87	− 1 50.0	1.003	1.872	22.2	19.5
7 20	21 58.60	− 1 53.3	0.927	1.855	18.3	19.2
7 30	21 55.29	− 2 28.2	0.867	1.838	13.4	18.9
8 9	21 49.51	− 3 34.8	0.825	1.823	8.1	18.6
8 19	21 42.27	− 5 8.4	0.802	1.810	4.5	18.3
8 29	21 35.12	− 6 58.1	0.801	1.798	7.8	18.4
9 8	21 29.68	− 8 49.5	0.821	1.788	13.4	18.7
9 18	21 27.17	−10 29.4	0.858	1.779	18.8	19.0

447020 2004 LE_{10} 8 16.4 97°.92 19°.1/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 15.82	+18 52.6	1.165	1.892	27.7	20.6
7 20	22 11.63	+21 41.4	1.106	1.896	25.5	20.4
7 30	22 3.90	+23 57.5	1.060	1.900	23.2	20.2
8 9	21 53.27	+25 29.2	1.028	1.904	21.0	20.1
8 19	21 40.97	+26 7.7	1.013	1.908	19.5	20.0
8 29	21 28.80	+25 50.4	1.014	1.912	19.1	20.0
9 8	21 18.60	+24 44.4	1.033	1.916	19.9	20.1
9 18	21 11.74	+23 3.0	1.068	1.919	21.5	20.2

138067 2000 DX_{47} 8 16.4 113°.80 0°.5/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.25	−12 34.4	1.721	2.564	15.6	20.3
7 20	22 7.37	−13 2.3	1.657	2.577	12.0	20.1
7 30	22 0.16	−13 41.1	1.614	2.589	7.8	19.9
8 9	21 51.31	−14 26.0	1.595	2.602	3.3	19.6
8 19	21 41.74	−15 11.5	1.603	2.614	1.5	19.5
8 29	21 32.57	−15 52.0	1.639	2.626	5.9	19.8
9 8	21 24.82	−16 23.2	1.700	2.637	10.0	20.1
9 18	21 19.24	−16 42.7	1.784	2.648	13.6	20.4

5349 Paulharris 8 16.4 279°.72 9°.6/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 26.63	−43 18.9	2.459	3.266	12.5	18.3
7 20	22 18.87	−44 23.6	2.361	3.227	11.1	18.1
7 30	22 8.09	−45 18.5	2.286	3.187	9.9	18.0
8 9	21 54.92	−45 54.5	2.235	3.147	9.6	17.9
8 19	21 40.43	−46 4.3	2.210	3.105	10.3	17.8
8 29	21 26.07	−45 43.5	2.211	3.063	11.9	17.9
9 8	21 13.28	−44 52.7	2.235	3.020	14.0	17.9
9 18	21 3.14	−43 36.0	2.279	2.975	16.0	18.0

13121 Tisza 8 16.4 10°.46 2°.5/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.11	−17 35.2	1.187	2.065	18.8	18.0
7 20	22 7.55	−17 49.4	1.126	2.066	14.5	17.8
7 30	22 0.81	−18 11.9	1.084	2.068	9.5	17.5
8 9	21 51.73	−18 36.4	1.063	2.071	4.4	17.2
8 19	21 41.58	−18 56.0	1.066	2.074	3.3	17.1
8 29	21 31.97	−19 4.5	1.092	2.078	8.2	17.5
9 8	21 24.36	−18 58.7	1.140	2.083	13.2	17.7
9 18	21 19.69	−18 38.3	1.208	2.089	17.5	18.0

39831 1998 BU_{6} 8 16.4 260°.14 1°.7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.16	−13 22.9	1.510	2.369	16.6	18.4
7 20	22 5.66	−14 19.7	1.428	2.358	12.8	18.1
7 30	21 59.47	−15 31.7	1.366	2.347	8.4	17.8
8 9	21 51.19	−16 52.8	1.328	2.336	3.7	17.5
8 19	21 41.74	−18 14.6	1.316	2.325	2.7	17.4
8 29	21 32.40	−19 28.1	1.329	2.313	7.5	17.7
9 8	21 24.48	−20 26.4	1.367	2.302	12.2	17.9
9 18	21 18.97	−21 5.6	1.426	2.290	16.3	18.1

157297 2004 RZ_{334} 8 16.4 4°.84 5°.1/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.33	−21 55.6	1.184	2.074	18.0	19.6
7 20	22 4.71	−22 40.5	1.127	2.073	13.9	19.3
7 30	21 58.97	−23 30.5	1.089	2.074	9.5	19.1
8 9	21 50.94	−24 16.5	1.073	2.076	5.7	18.9
8 19	21 41.87	−24 49.8	1.079	2.079	6.0	18.9
8 29	21 33.32	−25 3.6	1.108	2.083	9.9	19.2
9 8	21 26.74	−24 55.5	1.158	2.088	14.3	19.4
9 18	21 23.03	−24 26.5	1.227	2.095	18.2	19.7

371489 2006 TV_{73} 8 16.4 298°.28 1°.3/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.02	− 6 54.3	1.422	2.271	17.9	20.9
7 20	22 3.38	− 7 24.7	1.333	2.254	14.2	20.6
7 30	21 58.07	− 8 16.4	1.264	2.237	9.8	20.3
8 9	21 50.63	− 9 26.2	1.216	2.221	4.8	20.0
8 19	21 41.93	−10 47.9	1.193	2.204	1.6	19.7
8 29	21 33.26	−12 12.9	1.195	2.188	6.6	20.0
9 8	21 25.94	−13 31.8	1.221	2.172	11.7	20.2
9 18	21 21.03	−14 37.5	1.268	2.156	16.4	20.5

338668 2003 SE_{365} 8 16.4 136°.61 2°.5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.39	− 3 54.5	2.054	2.863	14.6	21.7
7 20	22 4.10	− 4 8.1	1.976	2.870	11.7	21.5
7 30	21 57.90	− 4 37.1	1.920	2.878	8.3	21.3
8 9	21 50.32	− 5 19.2	1.889	2.885	4.7	21.1
8 19	21 42.10	− 6 11.0	1.884	2.891	2.5	21.0
8 29	21 34.09	− 7 7.6	1.908	2.898	4.9	21.1
9 8	21 27.15	− 8 3.6	1.958	2.904	8.4	21.4
9 18	21 21.93	− 8 54.6	2.034	2.909	11.6	21.6

397141 2005 WS_{131} 8 16.4 358°.29 5°.8/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 6.76	−25 49.8	1.761	2.633	13.9	20.2
7 20	22 3.42	−26 58.5	1.697	2.631	10.9	20.0
7 30	21 57.73	−28 8.4	1.655	2.629	7.8	19.8
8 9	21 50.32	−29 11.5	1.637	2.628	5.9	19.7
8 19	21 42.09	−30 0.7	1.645	2.628	6.6	19.8
8 29	21 34.18	−30 30.4	1.678	2.628	9.3	19.9
9 8	21 27.63	−30 38.3	1.734	2.629	12.4	20.1
9 18	21 23.24	−30 25.4	1.810	2.631	15.3	20.3

261426 2005 UK_{514} 8 16.4 85°.26 3°.1/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.06	− 1 18.4	2.177	2.977	14.2	21.2
7 20	22 1.46	− 1 36.7	2.097	2.982	11.4	21.0
7 30	21 56.13	− 2 11.7	2.038	2.988	8.3	20.8
8 9	21 49.55	− 3 1.5	2.003	2.993	5.1	20.6
8 19	21 42.36	− 4 2.8	1.994	2.998	3.1	20.5
8 29	21 35.35	− 5 10.8	2.014	3.003	4.8	20.6
9 8	21 29.28	− 6 19.8	2.061	3.008	7.9	20.8
9 18	21 24.76	− 7 24.7	2.133	3.013	11.0	21.0

62715 2000 TR_{43} 8 16.4 263°.48 5°.7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.45	−28 9.0	2.199	3.056	12.1	19.0
7 20	22 5.13	−29 15.2	2.125	3.048	9.6	18.8
7 30	21 58.70	−30 20.8	2.074	3.040	7.1	18.6
8 9	21 50.72	−31 19.2	2.048	3.031	5.7	18.5
8 19	21 41.95	−32 4.2	2.050	3.023	6.4	18.6
8 29	21 33.38	−32 31.2	2.077	3.014	8.6	18.7
9 8	21 25.96	−32 38.4	2.129	3.005	11.3	18.8
9 18	21 20.41	−32 26.4	2.203	2.997	13.8	19.0

259366 2003 HL_{11} 8 16.4 64°.28 2°.9/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.78	−18 47.1	2.003	2.858	13.2	20.1
7 20	22 3.67	−19 45.1	1.947	2.876	10.0	19.9
7 30	21 57.60	−20 48.3	1.914	2.894	6.5	19.7
8 9	21 50.18	−21 50.8	1.908	2.911	3.5	19.6
8 19	21 42.19	−22 46.7	1.928	2.929	3.6	19.6
8 29	21 34.56	−23 30.9	1.975	2.947	6.6	19.8
9 8	21 28.13	−24 0.4	2.049	2.965	9.8	20.1
9 18	21 23.52	−24 14.6	2.145	2.982	12.6	20.3

472500 2015 CA_{23} 8 16.4 154°.81 0°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.94	−11 5.9	1.881	2.716	14.7	21.6
7 20	22 6.28	−11 39.6	1.807	2.723	11.4	21.4
7 30	21 59.45	−12 25.2	1.755	2.728	7.5	21.1
8 9	21 51.04	−13 18.4	1.727	2.734	3.3	20.9
8 19	21 41.89	−14 14.0	1.727	2.738	1.2	20.7
8 29	21 32.99	−15 6.1	1.755	2.742	5.5	21.1
9 8	21 25.34	−15 49.8	1.809	2.746	9.5	21.3
9 18	21 19.65	−16 22.3	1.887	2.749	13.0	21.5

371940 2008 ET_{127} 8 16.5 300°.00 1°.8/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.77	−14 5.5	1.356	2.225	17.5	20.7
7 20	22 5.02	−14 47.4	1.267	2.202	13.6	20.4
7 30	21 59.35	−15 44.9	1.196	2.179	9.0	20.1
8 9	21 51.28	−16 52.3	1.149	2.157	4.0	19.7
8 19	21 41.76	−18 1.4	1.125	2.134	2.8	19.6
8 29	21 32.21	−19 3.1	1.126	2.112	8.1	19.8
9 8	21 24.14	−19 49.6	1.149	2.090	13.4	20.1
9 18	21 18.71	−20 17.0	1.193	2.068	18.1	20.3

289963 2005 NJ_{82} 8 16.5 113°.84 0°.8/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.28	− 9 28.6	1.698	2.533	16.1	21.5
7 20	22 7.41	− 9 47.3	1.633	2.546	12.5	21.3
7 30	22 0.22	−10 19.2	1.588	2.560	8.4	21.1
8 9	21 51.38	−11 0.7	1.568	2.573	3.9	20.9
8 19	21 41.81	−11 46.7	1.574	2.585	1.2	20.7
8 29	21 32.63	−12 31.4	1.608	2.598	5.6	21.1
9 8	21 24.87	−13 10.0	1.667	2.609	9.8	21.3
9 18	21 19.28	−13 39.0	1.750	2.621	13.4	21.6

474690 2005 EU_{212} 8 16.5 272°.26 1°.7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.76	−16 30.0	2.108	2.949	13.2	22.2
7 20	22 7.07	−16 59.2	2.000	2.920	10.2	22.0
7 30	22 0.16	−17 36.0	1.915	2.891	6.8	21.7
8 9	21 51.47	−18 16.1	1.855	2.861	3.1	21.4
8 19	21 41.73	−18 54.6	1.823	2.831	2.4	21.3
8 29	21 31.92	−19 26.4	1.819	2.800	6.2	21.5
9 8	21 23.07	−19 47.6	1.842	2.768	10.1	21.7
9 18	21 16.07	−19 56.3	1.889	2.735	13.7	21.9

409029 2003 GX_{25} 8 16.5 172°.02 0°.3/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 13.81	−11 35.9	1.662	2.501	16.2	22.3
7 20	22 8.82	−12 6.3	1.587	2.505	12.6	22.0
7 30	22 1.31	−12 49.5	1.533	2.508	8.3	21.8
8 9	21 51.92	−13 40.9	1.504	2.510	3.6	21.5
8 19	21 41.62	−14 34.5	1.501	2.512	1.4	21.4
8 29	21 31.60	−15 23.9	1.525	2.512	6.2	21.7
9 8	21 23.02	−16 3.7	1.575	2.512	10.6	22.0
9 18	21 16.74	−16 31.1	1.648	2.512	14.5	22.2

357897 2005 UF_{524} 8 16.5 146°.29 1°.7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 4.84	− 4 38.7	2.302	3.114	13.1	21.1
7 20	22 1.25	− 5 12.4	2.218	3.116	10.4	21.0
7 30	21 55.99	− 6 0.6	2.156	3.117	7.3	20.8
8 9	21 49.52	− 7 0.6	2.120	3.119	3.9	20.6
8 19	21 42.45	− 8 8.7	2.111	3.120	1.8	20.4
8 29	21 35.52	− 9 19.6	2.131	3.122	4.4	20.6
9 8	21 29.47	−10 28.0	2.178	3.123	7.7	20.8
9 18	21 24.88	−11 29.7	2.251	3.124	10.8	21.0

38413 1999 RY_{211} 8 16.5 14°.15 6°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 16.27	−31 22.9	1.769	2.626	14.6	18.4
7 20	22 10.61	−31 45.2	1.709	2.629	11.7	18.2
7 30	22 2.35	−32 1.1	1.670	2.633	8.8	18.0
8 9	21 52.29	−32 3.7	1.655	2.638	6.9	17.9
8 19	21 41.55	−31 48.0	1.666	2.643	7.2	17.9
8 29	21 31.44	−31 11.6	1.703	2.649	9.5	18.1
9 8	21 23.08	−30 15.9	1.763	2.655	12.4	18.3
9 18	21 17.22	−29 4.5	1.846	2.662	15.2	18.5

60122 1999 TU_{239} 8 16.5 10°.93 2°.4/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 3.70	− 3 23.4	1.997	2.814	14.6	18.8
7 20	22 0.63	− 3 51.6	1.916	2.816	11.7	18.6
7 30	21 55.71	− 4 36.9	1.857	2.817	8.3	18.4
8 9	21 49.44	− 5 36.9	1.822	2.819	4.7	18.2
8 19	21 42.49	− 6 47.4	1.813	2.821	2.4	18.0
8 29	21 35.72	− 8 2.6	1.832	2.823	4.8	18.2
9 8	21 29.94	− 9 16.2	1.877	2.826	8.4	18.4
9 18	21 25.81	−10 22.9	1.947	2.829	11.8	18.6

12613 Hogarth 8 16.5 348°.18 1°.5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.04	− 9 17.0	1.449	2.303	17.4	18.0
7 20	22 3.94	− 9 12.2	1.373	2.297	13.7	17.8
7 30	21 58.27	− 9 21.7	1.317	2.292	9.4	17.5
8 9	21 50.66	− 9 43.2	1.283	2.287	4.6	17.2
8 19	21 42.06	−10 12.4	1.273	2.284	1.7	17.0
8 29	21 33.71	−10 43.9	1.288	2.281	6.2	17.3
9 8	21 26.81	−11 12.1	1.327	2.279	10.9	17.6
9 18	21 22.25	−11 32.8	1.387	2.277	15.1	17.8

373388 2013 NU_3 8 16.5 7°.28 5°.0/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 3.55	− 0 40.8	1.147	1.994	21.4	21.0
7 20	22 1.73	− 0 38.1	1.082	1.994	17.5	20.8
7 30	21 57.04	− 1 3.6	1.033	1.995	13.0	20.5
8 9	21 50.19	− 1 56.6	1.004	1.998	8.2	20.3
8 19	21 42.23	− 3 12.2	0.996	2.001	5.0	20.1
8 29	21 34.59	− 4 41.3	1.011	2.005	7.3	20.3
9 8	21 28.64	− 6 12.5	1.049	2.010	11.9	20.5
9 18	21 25.34	− 7 35.8	1.107	2.016	16.5	20.8

70955 1999 XX_2 8 16.5 231°.24 6°.4/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 13.63	−30 6.0	2.105	2.957	12.8	20.1
7 20	22 8.49	−31 8.8	2.030	2.948	10.2	19.9
7 30	22 1.01	−32 9.5	1.979	2.939	7.8	19.8
8 9	21 51.78	−33 0.6	1.953	2.930	6.4	19.7
8 19	21 41.69	−33 35.6	1.953	2.920	7.1	19.7
8 29	21 31.84	−33 50.1	1.979	2.910	9.4	19.8
9 8	21 23.31	−33 42.9	2.030	2.900	12.0	20.0
9 18	21 16.89	−33 15.7	2.103	2.889	14.6	20.1

452437 2003 KW_{33} 8 16.5 26°.83 7°.3/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.87	−29 34.6	1.864	2.734	13.4	20.4
7 20	22 3.48	−31 20.4	1.812	2.740	10.7	20.3
7 30	21 57.78	−33 4.4	1.783	2.746	8.3	20.1
8 9	21 50.38	−34 37.3	1.779	2.753	7.3	20.1
8 19	21 42.18	−35 51.2	1.801	2.760	8.3	20.2
8 29	21 34.29	−36 40.3	1.848	2.768	10.6	20.3
9 8	21 27.76	−37 3.0	1.917	2.776	13.1	20.5
9 18	21 23.36	−37 1.0	2.005	2.784	15.4	20.7

343632 2010 HR_{107} 8 16.5 172°.84 7°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.63	−30 35.1	1.963	2.822	13.3	20.6
7 20	22 7.07	−31 57.1	1.902	2.822	10.6	20.4
7 30	22 0.10	−33 16.4	1.863	2.823	8.3	20.3
8 9	21 51.39	−34 24.7	1.850	2.824	7.1	20.2
8 19	21 41.84	−35 14.9	1.863	2.824	7.9	20.3
8 29	21 32.61	−35 41.9	1.901	2.824	10.1	20.4
9 8	21 24.79	−35 44.8	1.962	2.824	12.7	20.6
9 18	21 19.15	−35 25.5	2.044	2.824	15.1	20.7

316714 1997 SB_{13} 8 16.5 292°.62 2°.5/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.86	− 4 58.3	1.343	2.189	19.0	21.2
7 20	22 4.21	− 5 14.8	1.255	2.172	15.3	20.9
7 30	21 58.75	− 5 54.3	1.185	2.155	10.8	20.6
8 9	21 51.01	− 6 54.8	1.136	2.138	5.8	20.3
8 19	21 41.92	− 8 11.3	1.111	2.121	2.6	20.0
8 29	21 32.82	− 9 35.3	1.111	2.104	6.8	20.3
9 8	21 25.15	−10 56.8	1.133	2.088	12.1	20.5
9 18	21 20.03	−12 7.8	1.177	2.072	16.9	20.7

310610 2001 XK_{240} 8 16.5 250°.34 0°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 8.48	−10 26.0	2.523	3.344	11.8	21.4
7 20	22 4.02	−10 38.7	2.420	3.327	9.3	21.2
7 30	21 57.84	−11 0.2	2.341	3.310	6.2	21.0
8 9	21 50.37	−11 28.2	2.288	3.293	2.9	20.8
8 19	21 42.20	−11 59.7	2.263	3.275	0.9	20.6
8 29	21 34.07	−12 31.3	2.268	3.256	4.4	20.8
9 8	21 26.73	−12 59.4	2.300	3.238	7.8	21.0
9 18	21 20.82	−13 21.5	2.358	3.218	10.8	21.2

345490 2006 JV 8 16.5 60°.81 1°.0/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.10	− 9 4.6	1.690	2.529	16.0	21.3
7 20	22 4.99	− 9 17.4	1.625	2.541	12.4	21.1
7 30	21 58.65	− 9 43.6	1.582	2.553	8.4	20.9
8 9	21 50.73	−10 19.9	1.562	2.566	4.0	20.7
8 19	21 42.11	−11 1.5	1.567	2.578	1.3	20.5
8 29	21 33.86	−11 43.1	1.600	2.591	5.5	20.8
9 8	21 26.96	−12 19.7	1.658	2.604	9.6	21.1
9 18	21 22.13	−12 47.7	1.739	2.617	13.2	21.4

47559 2000 AK_{143} 8 16.5 35°.75 5°.1/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.32	+ 0 15.4	1.529	2.345	18.4	17.7
7 20	22 3.04	+ 0 30.1	1.468	2.359	15.1	17.5
7 30	21 57.45	+ 0 23.0	1.425	2.373	11.3	17.3
8 9	21 50.23	− 0 5.4	1.403	2.388	7.5	17.2
8 19	21 42.28	− 0 51.7	1.405	2.404	5.1	17.1
8 29	21 34.70	− 1 50.3	1.433	2.420	6.5	17.2
9 8	21 28.52	− 2 53.8	1.485	2.437	9.9	17.4
9 18	21 24.46	− 3 55.3	1.560	2.454	13.4	17.7

361908 2008 GR_{47} 8 16.5 203°.91 7°.5/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.83	+14 4.1	2.608	3.301	14.6	21.2
7 20	22 1.14	+14 21.1	2.513	3.298	12.9	21.0
7 30	21 55.89	+14 17.7	2.436	3.296	10.9	20.9
8 9	21 49.50	+13 52.4	2.381	3.293	9.1	20.8
8 19	21 42.51	+13 5.3	2.350	3.290	7.8	20.7
8 29	21 35.61	+11 58.9	2.345	3.287	7.6	20.7
9 8	21 29.47	+10 37.8	2.367	3.283	8.6	20.7
9 18	21 24.65	+ 9 7.9	2.413	3.279	10.4	20.9

512362 2016 NV_{47} 8 16.5 68°.83 4°.0/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.13	− 2 51.5	1.559	2.379	17.9	21.0
7 20	22 5.99	− 2 35.6	1.491	2.389	14.5	20.8
7 30	21 59.43	− 2 38.3	1.443	2.399	10.5	20.6
8 9	21 51.11	− 2 58.6	1.416	2.409	6.5	20.4
8 19	21 41.98	− 3 33.5	1.415	2.419	4.0	20.2
8 29	21 33.20	− 4 17.9	1.439	2.429	6.2	20.4
9 8	21 25.86	− 5 5.2	1.489	2.439	10.1	20.7
9 18	21 20.76	− 5 49.9	1.561	2.449	13.8	20.9

191653 2004 PN_{69} 8 16.5 31°.16 4°.0/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.57	− 4 4.4	1.469	2.300	18.3	19.9
7 20	22 5.73	− 3 37.2	1.401	2.306	14.8	19.7
7 30	21 59.34	− 3 27.7	1.352	2.312	10.7	19.4
8 9	21 51.10	− 3 35.3	1.324	2.318	6.5	19.2
8 19	21 41.98	− 3 57.3	1.321	2.325	4.0	19.1
8 29	21 33.21	− 4 29.2	1.343	2.333	6.4	19.3
9 8	21 25.94	− 5 4.8	1.389	2.341	10.5	19.5
9 18	21 21.00	− 5 38.7	1.457	2.349	14.4	19.8

376416 2012 GH_{13} 8 16.5 45°.18 1°.5/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.19	−13 20.7	1.210	2.083	18.9	20.3
7 20	22 5.79	−14 5.5	1.162	2.099	14.5	20.1
7 30	21 59.49	−15 4.5	1.133	2.116	9.4	19.8
8 9	21 51.15	−16 10.3	1.126	2.134	4.0	19.6
8 19	21 41.99	−17 14.2	1.142	2.152	2.5	19.5
8 29	21 33.44	−18 7.7	1.183	2.171	7.5	19.9
9 8	21 26.79	−18 45.3	1.247	2.190	12.3	20.2
9 18	21 22.83	−19 5.0	1.331	2.209	16.4	20.5

377638 2005 TN_{94} 8 16.5 116°.29 2°.2/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.32	− 6 15.0	1.770	2.593	16.0	21.7
7 20	22 6.63	− 6 17.6	1.700	2.603	12.7	21.5
7 30	21 59.71	− 6 35.0	1.650	2.613	8.8	21.3
8 9	21 51.21	− 7 4.8	1.624	2.624	4.7	21.1
8 19	21 41.97	− 7 43.3	1.624	2.633	2.2	20.9
8 29	21 33.05	− 8 25.5	1.652	2.643	5.4	21.1
9 8	21 25.45	− 9 6.1	1.706	2.652	9.4	21.4
9 18	21 19.89	− 9 41.0	1.784	2.661	12.9	21.6

454479 2014 OP_{108} 8 16.5 260°.17 3°.0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.29	−20 6.8	2.419	3.270	11.3	21.2
7 20	22 2.43	−21 3.1	2.337	3.263	8.7	21.0
7 30	21 56.83	−22 4.1	2.279	3.256	5.8	20.8
8 9	21 49.94	−23 4.8	2.247	3.249	3.3	20.6
8 19	21 42.39	−24 0.1	2.243	3.241	3.6	20.6
8 29	21 34.96	−24 45.2	2.268	3.234	6.2	20.8
9 8	21 28.44	−25 17.2	2.318	3.227	9.1	21.0
9 18	21 23.44	−25 34.7	2.393	3.219	11.8	21.2

314984 2006 XD_{43} 8 16.5 272°.81 0°.3/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 6.88	−12 3.3	2.217	3.053	12.8	21.7
7 20	22 3.03	−12 31.3	2.122	3.039	9.9	21.5
7 30	21 57.31	−13 9.1	2.051	3.025	6.6	21.3
8 9	21 50.19	−13 53.5	2.004	3.011	2.8	21.0
8 19	21 42.30	−14 40.3	1.985	2.996	1.1	20.8
8 29	21 34.48	−15 24.8	1.995	2.982	5.0	21.1
9 8	21 27.58	−16 2.7	2.031	2.967	8.7	21.3
9 18	21 22.27	−16 31.2	2.091	2.953	12.0	21.5

286949 2002 PP_{169} 8 16.5 301°.87 1°.8/15.2 18

7 10	22 10.19	−16 45.4	1.828	2.680	14.4	20.7
7 20	22 5.90	−17 7.4	1.749	2.675	11.1	20.4
7 30	21 59.34	−17 36.3	1.692	2.671	7.3	20.2
8 9	21 51.09	−18 7.6	1.659	2.666	3.3	20.0
8 19	21 42.02	−18 36.1	1.653	2.661	2.5	19.9
8 29	21 33.18	−18 57.1	1.674	2.657	6.3	20.1
9 8	21 25.61	−19 7.4	1.721	2.653	10.3	20.4
9 18	21 20.09	−19 5.6	1.790	2.648	13.8	20.6

374936 2007 BE_3 8 16.5 217°.19 0°.2/16.7 18

7 10	22 11.40	−10 47.2	1.938	2.770	14.5	22.2
7 20	22 6.73	−11 8.4	1.850	2.763	11.3	21.9
7 30	21 59.87	−11 41.3	1.783	2.755	7.6	21.7
8 9	21 51.34	−12 22.3	1.742	2.747	3.4	21.4
8 19	21 41.92	−13 7.1	1.727	2.739	1.1	21.2
8 29	21 32.64	−13 50.3	1.741	2.729	5.4	21.5
9 8	21 24.49	−14 27.3	1.781	2.720	9.5	21.8
9 18	21 18.28	−14 54.8	1.845	2.709	13.2	22.0

489963 2008 SS_{40} 8 16.5 309°.99 0°.8/17.0 16

7 10	22 5.48	− 8 52.3	1.490	2.343	17.0	22.0
7 20	22 3.05	− 9 15.1	1.387	2.312	13.5	21.7
7 30	21 57.98	− 9 56.2	1.304	2.280	9.3	21.4
8 9	21 50.73	−10 53.0	1.243	2.249	4.4	21.0
8 19	21 42.08	−12 0.3	1.206	2.218	1.3	20.7
8 29	21 33.26	−13 10.3	1.195	2.187	6.7	21.0
9 8	21 25.63	−14 14.9	1.207	2.157	11.9	21.2
9 18	21 20.31	−15 7.4	1.240	2.127	16.7	21.4

219493 2001 FD_{52} 8 16.5 111°.65 2°.8/19.5 18

7 10	22 5.22	− 1 47.0	2.558	3.350	12.5	20.5
7 20	22 1.32	− 1 58.6	2.478	3.359	10.1	20.4
7 30	21 55.94	− 2 23.7	2.420	3.367	7.3	20.2
8 9	21 49.50	− 3 0.9	2.387	3.376	4.5	20.0
8 19	21 42.57	− 3 47.5	2.382	3.384	2.8	19.9
8 29	21 35.81	− 4 39.8	2.405	3.393	4.2	20.0
9 8	21 29.86	− 5 33.7	2.456	3.401	6.9	20.2
9 18	21 25.23	− 6 25.1	2.533	3.409	9.6	20.4

78547 2002 RZ_{122} 8 16.5 318°.36 7°.9/10.8 18

7 10	22 12.70	−31 22.9	1.670	2.536	14.9	19.0
7 20	22 8.40	−32 21.6	1.599	2.523	12.1	18.8
7 30	22 1.27	−33 16.5	1.549	2.511	9.4	18.6
8 9	21 52.01	−33 58.7	1.522	2.499	7.9	18.5
8 19	21 41.71	−34 20.4	1.520	2.488	8.7	18.5
8 29	21 31.75	−34 16.7	1.541	2.477	11.2	18.6
9 8	21 23.45	−33 47.0	1.585	2.466	14.2	18.8
9 18	21 17.75	−32 54.4	1.649	2.456	17.1	18.9

7907 Erasmus 8 16.5 26°.39 0°.3/16.2 18

7 10	22 8.86	−12 43.6	1.889	2.733	14.3	18.5
7 20	22 4.73	−13 2.4	1.813	2.734	11.1	18.3
7 30	21 58.48	−13 31.0	1.758	2.734	7.3	18.0
8 9	21 50.70	−14 5.5	1.729	2.735	3.1	17.8
8 19	21 42.17	−14 41.6	1.725	2.736	1.3	17.6
8 29	21 33.89	−15 14.3	1.749	2.737	5.5	17.9
9 8	21 26.80	−15 39.7	1.799	2.739	9.4	18.2
9 18	21 21.62	−15 55.4	1.873	2.740	12.9	18.4

219537 2001 QR_{201} 8 16.5 301°.11 2°.0/15.5 18

7 10	22 14.45	−18 11.7	1.490	2.350	16.7	19.7
7 20	22 9.99	−18 8.9	1.398	2.328	13.0	19.4
7 30	22 2.53	−18 11.2	1.326	2.306	8.7	19.1
8 9	21 52.69	−18 13.9	1.278	2.284	4.0	18.8
8 19	21 41.49	−18 11.9	1.254	2.263	2.8	18.7
8 29	21 30.38	−18 0.8	1.256	2.241	7.6	18.9
9 8	21 20.82	−17 37.9	1.282	2.220	12.5	19.1
9 18	21 13.94	−17 3.1	1.330	2.200	16.9	19.3

476286 2007 VW_{239} 8 16.5 291°.36 4°.5/20.0 18

7 10	22 6.66	− 0 22.0	1.913	2.715	15.8	21.4
7 20	22 3.17	− 0 8.2	1.816	2.699	13.0	21.2
7 30	21 57.59	− 0 11.9	1.739	2.684	9.8	21.0
8 9	21 50.40	− 0 33.2	1.685	2.669	6.6	20.8
8 19	21 42.29	− 1 10.4	1.656	2.654	4.5	20.6
8 29	21 34.21	− 1 59.7	1.653	2.639	6.0	20.7
9 8	21 27.13	− 2 55.5	1.676	2.624	9.3	20.8
9 18	21 21.84	− 3 51.8	1.723	2.609	12.8	21.0

289468 2005 EH_{69} 8 16.5 183°.66 3°.8/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 10.25	− 0 48.1	1.797	2.598	16.7	21.6
7 20	22 5.95	− 0 57.4	1.714	2.599	13.6	21.4
7 30	21 59.40	− 1 26.7	1.650	2.599	10.0	21.2
8 9	21 51.17	− 2 14.6	1.610	2.599	6.2	21.0
8 19	21 42.06	− 3 17.8	1.595	2.598	3.8	20.8
8 29	21 33.12	− 4 30.3	1.608	2.596	5.8	21.0
9 8	21 25.36	− 5 45.1	1.647	2.594	9.5	21.2
9 18	21 19.61	− 6 55.7	1.710	2.591	13.2	21.4

215414 2002 GL_{86} 8 16.5 184°.64 3°.0/14.3 17

7 10	22 12.80	−17 45.9	1.626	2.482	15.7	20.7
7 20	22 8.23	−18 40.1	1.554	2.483	12.0	20.5
7 30	22 1.05	−19 43.1	1.503	2.483	7.9	20.2
8 9	21 51.92	−20 47.8	1.477	2.482	4.0	20.0
8 19	21 41.82	−21 46.6	1.477	2.481	3.8	20.0
8 29	21 32.00	−22 32.5	1.504	2.480	7.7	20.2
9 8	21 23.69	−23 1.3	1.555	2.478	11.8	20.4
9 18	21 17.75	−23 12.0	1.628	2.476	15.5	20.7

270674 2002 QP_9 8 16.5 312°.11 3°.0/18.3 18

7 10	22 5.11	− 5 29.4	1.298	2.151	19.1	20.5
7 20	22 3.10	− 5 27.4	1.201	2.122	15.5	20.2
7 30	21 58.22	− 5 46.6	1.122	2.093	11.1	19.8
8 9	21 50.93	− 6 26.4	1.063	2.064	6.2	19.5
8 19	21 42.09	− 7 23.5	1.027	2.037	3.0	19.2
8 29	21 33.07	− 8 30.7	1.015	2.009	7.1	19.4
9 8	21 25.40	− 9 39.0	1.025	1.983	12.6	19.6
9 18	21 20.32	−10 39.9	1.055	1.957	17.7	19.8

480230 2015 HN 8 16.5 1°.41 5°.6/11.7 18

7 10	22 4.98	−20 58.3	1.424	2.306	16.0	19.8
7 20	22 2.58	−22 40.4	1.362	2.305	12.3	19.5
7 30	21 57.52	−24 31.2	1.322	2.304	8.5	19.3
8 9	21 50.43	−26 20.2	1.305	2.304	5.8	19.2
8 19	21 42.33	−27 56.3	1.314	2.305	6.7	19.2
8 29	21 34.51	−29 10.2	1.346	2.307	10.2	19.4
9 8	21 28.25	−29 57.0	1.401	2.309	14.0	19.6
9 18	21 24.44	−30 16.3	1.475	2.312	17.3	19.9

43459 2000 YB_{122} 8 16.5 3°.16 1°.0/15.6 18

7 10	22 7.55	−14 33.5	2.139	2.982	12.9	19.8
7 20	22 3.51	−14 59.2	2.061	2.982	9.9	19.6
7 30	21 57.59	−15 32.6	2.005	2.982	6.5	19.4
8 9	21 50.31	−16 9.9	1.976	2.983	2.8	19.1
8 19	21 42.38	−16 46.7	1.973	2.983	1.6	19.1
8 29	21 34.66	−17 18.6	1.998	2.983	5.3	19.3
9 8	21 27.97	−17 42.3	2.050	2.983	8.8	19.5
9 18	21 22.97	−17 55.9	2.126	2.984	11.9	19.7

57837 2001 XZ_{39} 8 16.5 24°.05 2°.9/13.8 18

7 10	22 5.93	−17 31.3	1.944	2.802	13.4	18.1
7 20	22 2.51	−18 39.6	1.874	2.805	10.2	17.9
7 30	21 57.06	−19 55.8	1.827	2.807	6.7	17.7
8 9	21 50.12	−21 13.7	1.805	2.810	3.5	17.5
8 19	21 42.45	−22 26.6	1.811	2.813	3.6	17.5
8 29	21 35.01	−23 28.0	1.843	2.816	6.8	17.7
9 8	21 28.69	−24 13.8	1.901	2.819	10.3	17.9
9 18	21 24.21	−24 42.2	1.982	2.823	13.3	18.1

515400 2013 GQ_{120} 8 16.5 109°.91 0°.0/16.5 18

7 10	22 6.87	−11 15.4	2.479	3.307	11.8	22.0
7 20	22 2.65	−11 42.5	2.406	3.317	9.1	21.8
7 30	21 56.84	−12 18.0	2.356	3.328	6.0	21.6
8 9	21 49.94	−12 59.0	2.332	3.338	2.6	21.4
8 19	21 42.53	−13 41.8	2.337	3.348	0.9	21.3
8 29	21 35.33	−14 22.5	2.371	3.358	4.3	21.6
9 8	21 29.03	−14 57.6	2.432	3.368	7.5	21.8
9 18	21 24.16	−15 24.9	2.518	3.377	10.2	22.0

6834 Hunfeld 8 16.5 29°.78 4°.3/14.1 18

7 10	22 9.31	−19 45.3	1.049	1.941	19.7	16.4
7 20	22 6.28	−20 29.4	1.010	1.957	15.0	16.2
7 30	21 59.99	−21 20.3	0.989	1.975	9.9	16.0
8 9	21 51.44	−22 8.5	0.988	1.993	5.3	15.8
8 19	21 42.06	−22 45.2	1.010	2.013	5.2	15.9
8 29	21 33.51	−23 3.5	1.054	2.034	9.5	16.2
9 8	21 27.17	−23 1.2	1.119	2.056	14.0	16.5
9 18	21 23.83	−22 39.5	1.203	2.079	17.9	16.8

279538 2011 CE_7 8 16.5 240°.76 2°.3/18.8 18

7 10	22 8.48	− 1 11.0	1.960	2.760	15.5	21.0
7 20	22 4.62	− 2 10.6	1.856	2.745	12.6	20.8
7 30	21 58.60	− 3 33.4	1.774	2.729	9.0	20.5
8 9	21 50.89	− 5 17.0	1.716	2.712	5.0	20.3
8 19	21 42.17	− 7 15.9	1.686	2.694	2.3	20.0
8 29	21 33.40	− 9 21.7	1.685	2.676	5.3	20.2
9 8	21 25.58	−11 25.1	1.713	2.657	9.4	20.4
9 18	21 19.56	−13 17.9	1.766	2.638	13.3	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
359609 2010 WP_{74}			8 16.5 251°.14		5°.8/10.7 18	
	h m	° ′			°	m
7 10	22 9.63	−29 30.3	2.324	3.178	11.6	20.8
7 20	22 5.19	−30 34.5	2.253	3.173	9.3	20.6
7 30	21 58.75	−31 36.9	2.206	3.168	7.0	20.4
8 9	21 50.85	−32 31.1	2.185	3.163	5.8	20.4
8 19	21 42.23	−33 11.5	2.190	3.158	6.5	20.4
8 29	21 33.83	−33 34.0	2.222	3.153	8.5	20.5
9 8	21 26.54	−33 37.2	2.279	3.148	10.9	20.7
9 18	21 21.05	−33 21.9	2.357	3.142	13.2	20.8
263568 2008 FH_{71}			8 16.5 294°.27		5°.2/12.9 18	
7 10	22 11.44	−22 33.3	1.479	2.350	16.1	20.4
7 20	22 7.56	−23 34.7	1.409	2.344	12.5	20.1
7 30	22 0.82	−24 41.1	1.359	2.338	8.6	19.9
8 9	21 51.91	−25 44.2	1.333	2.332	5.6	19.7
8 19	21 41.88	−26 35.0	1.332	2.327	6.1	19.7
8 29	21 32.17	−27 6.4	1.355	2.321	9.6	19.9
9 8	21 24.10	−27 15.2	1.402	2.315	13.5	20.1
9 18	21 18.67	−27 2.1	1.468	2.310	17.1	20.4
5665 Begemann			8 16.5 95°.60		0°.7/16.9 18	
7 10	22 14.81	−11 5.8	1.403	2.250	18.2	17.4
7 20	22 9.88	−11 5.8	1.340	2.261	14.2	17.2
7 30	22 2.16	−11 18.9	1.297	2.271	9.5	17.0
8 9	21 52.41	−11 41.2	1.276	2.282	4.3	16.7
8 19	21 41.78	−12 7.7	1.281	2.292	1.3	16.5
8 29	21 31.63	−12 33.0	1.311	2.302	6.4	16.9
9 8	21 23.26	−12 52.2	1.366	2.312	11.2	17.2
9 18	21 17.50	−13 2.5	1.443	2.322	15.3	17.5
482742 2013 EB_{121}			8 16.5 211°.46		3°.6/20.3 18	
7 10	22 5.59	+ 0 30.9	2.496	3.277	13.1	22.2
7 20	22 1.78	+ 0 22.3	2.403	3.273	10.7	22.1
7 30	21 56.37	− 0 1.7	2.331	3.269	8.0	21.9
8 9	21 49.81	− 0 40.1	2.283	3.265	5.3	21.7
8 19	21 42.63	− 1 30.7	2.263	3.260	3.6	21.6
8 29	21 35.55	− 2 29.9	2.271	3.256	4.7	21.6
9 8	21 29.25	− 3 32.8	2.306	3.251	7.3	21.8
9 18	21 24.31	− 4 34.8	2.368	3.246	10.1	22.0
278574 2008 HW_{26}			8 16.5 257°.35		1°.6/18.1 18	
7 10	22 5.78	− 6 9.1	2.234	3.052	13.3	21.2
7 20	22 2.10	− 6 29.0	2.148	3.050	10.5	21.0
7 30	21 56.66	− 7 2.1	2.084	3.047	7.3	20.8
8 9	21 49.95	− 7 46.0	2.044	3.044	3.8	20.6
8 19	21 42.59	− 8 37.3	2.032	3.042	1.7	20.5
8 29	21 35.35	− 9 31.4	2.048	3.039	4.5	20.7
9 8	21 29.03	−10 23.5	2.091	3.037	7.9	20.9
9 18	21 24.23	−11 9.7	2.160	3.034	11.1	21.1
383274 2006 DD_{122}			8 16.5 213°.56		2°.1/18.3 18	
7 10	22 10.00	− 5 34.0	2.197	3.005	13.8	22.1
7 20	22 5.42	− 5 43.0	2.103	2.998	11.0	21.9
7 30	21 58.91	− 6 5.1	2.031	2.990	7.7	21.7
8 9	21 50.96	− 6 38.8	1.984	2.982	4.2	21.4
8 19	21 42.25	− 7 20.8	1.965	2.973	2.1	21.3
8 29	21 33.62	− 8 7.1	1.974	2.964	4.8	21.4
9 8	21 25.94	− 8 52.8	2.011	2.954	8.3	21.6
9 18	21 19.91	− 9 34.1	2.073	2.944	11.7	21.8
330619 2008 EW_{7}			8 16.5 170°.56		0°.8/15.8 17	
7 10	22 11.67	−12 40.6	1.825	2.665	14.9	21.2
7 20	22 7.02	−13 21.2	1.749	2.668	11.5	21.0
7 30	22 0.10	−14 13.2	1.695	2.671	7.5	20.7
8 9	21 51.51	−15 11.7	1.666	2.673	3.2	20.5
8 19	21 42.09	−16 10.9	1.665	2.675	1.7	20.4
8 29	21 32.90	−17 4.4	1.691	2.676	6.0	20.6
9 8	21 25.00	−17 47.4	1.743	2.677	10.0	20.9
9 18	21 19.14	−18 17.2	1.818	2.677	13.6	21.1
59396 1999 FY_{25}			8 16.5 23°.69		5°.0/19.6 18	
7 10	22 5.39	− 2 14.7	1.021	1.881	22.6	18.0
7 20	22 3.35	− 1 56.7	0.969	1.889	18.3	17.8
7 30	21 58.21	− 2 6.1	0.932	1.899	13.4	17.5
8 9	21 50.80	− 2 41.8	0.914	1.910	8.3	17.3
8 19	21 42.35	− 3 38.8	0.916	1.922	5.0	17.2
8 29	21 34.41	− 4 48.3	0.941	1.935	7.6	17.3
9 8	21 28.42	− 5 59.5	0.987	1.949	12.3	17.7
9 18	21 25.30	− 7 3.4	1.053	1.964	16.9	18.0
316052 2009 HP_{52}			8 16.5 51°.27		1°.7/17.5 17	
7 10	22 10.66	− 8 2.9	1.229	2.084	19.8	20.6
7 20	22 6.93	− 8 9.7	1.175	2.099	15.5	20.4
7 30	22 0.31	− 8 34.9	1.139	2.114	10.5	20.2
8 9	21 51.64	− 9 14.7	1.125	2.129	5.2	19.9
8 19	21 42.10	−10 2.9	1.134	2.145	1.9	19.8
8 29	21 33.12	−10 52.0	1.168	2.162	6.6	20.1
9 8	21 26.00	−11 35.2	1.225	2.178	11.5	20.4
9 18	21 21.56	−12 7.8	1.304	2.195	15.8	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
504096 2006 DT_{104}			8 16.5 29°.44		2°.8/15.4 17	
	h m	° ′			°	m
7 10	22 15.34	−19 14.4	1.044	1.927	20.5	20.5
7 20	22 11.09	−19 10.0	0.993	1.935	15.8	20.3
7 30	22 3.30	−19 11.2	0.960	1.945	10.4	20.0
8 9	21 52.98	−19 11.5	0.948	1.955	4.8	19.8
8 19	21 41.67	−19 4.8	0.958	1.967	3.6	19.7
8 29	21 31.19	−18 46.5	0.992	1.979	8.7	20.1
9 8	21 23.12	−18 15.4	1.046	1.992	13.8	20.4
9 18	21 18.37	−17 32.8	1.121	2.006	18.3	20.7
445405 2010 TX_{37}			8 16.5 303°.87		3°.4/13.8 18	
7 10	22 10.30	−22 11.9	2.067	2.921	12.9	20.9
7 20	22 5.85	−22 40.6	1.985	2.911	10.0	20.7
7 30	21 59.28	−23 11.6	1.925	2.902	6.7	20.4
8 9	21 51.15	−23 39.9	1.892	2.892	3.9	20.3
8 19	21 42.25	−24 0.4	1.884	2.883	4.0	20.2
8 29	21 33.55	−24 9.3	1.905	2.874	6.9	20.4
9 8	21 26.01	−24 4.4	1.950	2.865	10.2	20.6
9 18	21 20.38	−23 45.7	2.019	2.856	13.3	20.8
298177 2002 TM_{166}			8 16.5 356°.98		8°.6/21.7 18	
7 10	22 7.62	+ 4 1.6	1.490	2.289	19.6	19.8
7 20	22 4.39	+ 5 19.7	1.414	2.285	16.8	19.5
7 30	21 58.65	+ 6 17.2	1.356	2.282	13.6	19.3
8 9	21 50.98	+ 6 50.5	1.318	2.280	10.5	19.2
8 19	21 42.29	+ 6 58.0	1.302	2.280	8.7	19.1
8 29	21 33.78	+ 6 41.6	1.309	2.280	9.3	19.1
9 8	21 26.63	+ 6 6.8	1.340	2.281	11.8	19.2
9 18	21 21.76	+ 5 21.0	1.391	2.283	15.0	19.4
89864 2002 CH_{128}			8 16.5 47°.22		1°.5/17.9 18	
7 10	22 6.70	− 7 17.5	2.097	2.921	13.8	19.3
7 20	22 2.87	− 7 28.8	2.019	2.925	10.9	19.1
7 30	21 57.20	− 7 52.5	1.964	2.929	7.5	18.9
8 9	21 50.21	− 8 26.2	1.932	2.934	3.8	18.7
8 19	21 42.58	− 9 6.5	1.928	2.938	1.6	18.6
8 29	21 35.16	− 9 48.9	1.951	2.942	4.6	18.8
9 8	21 28.76	−10 29.1	2.001	2.947	8.2	19.0
9 18	21 24.00	−11 3.5	2.076	2.952	11.4	19.2
44422 1998 SD_{159}			8 16.5 232°.83		0°.1/16.5 18	
7 10	22 9.70	−11 54.6	2.004	2.840	13.9	18.5
7 20	22 5.34	−12 9.0	1.920	2.836	10.8	18.3
7 30	21 58.93	−12 33.2	1.859	2.832	7.2	18.0
8 9	21 51.00	−13 3.9	1.822	2.828	3.2	17.8
8 19	21 42.31	−13 37.0	1.813	2.824	1.0	17.6
8 29	21 33.79	−14 8.2	1.831	2.819	5.2	17.9
9 8	21 26.37	−14 33.5	1.876	2.815	9.1	18.1
9 18	21 20.78	−14 50.3	1.944	2.810	12.5	18.3
361098 2006 DL_{24}			8 16.5 19°.20		0°.2/16.7 17	
7 10	22 5.46	− 9 4.3	1.057	1.934	20.7	19.9
7 20	22 3.47	− 9 44.5	1.000	1.938	16.2	19.6
7 30	21 58.37	−10 47.2	0.960	1.943	10.8	19.3
8 9	21 50.93	−12 6.3	0.941	1.948	4.8	19.0
8 19	21 42.36	−13 32.2	0.944	1.955	1.5	18.8
8 29	21 34.24	−14 53.3	0.969	1.963	7.6	19.2
9 8	21 28.05	−16 0.3	1.017	1.971	13.1	19.6
9 18	21 24.74	−16 47.6	1.083	1.980	17.8	19.9
175066 2004 GY_{21}			8 16.5 207°.58		0°.1/16.4 18	
7 10	22 7.44	−11 22.8	2.031	2.870	13.7	20.9
7 20	22 3.56	−11 52.6	1.952	2.869	10.6	20.7
7 30	21 57.73	−12 33.3	1.895	2.869	7.0	20.5
8 9	21 50.48	−13 21.1	1.863	2.869	3.1	20.2
8 19	21 42.52	−14 11.4	1.858	2.869	1.1	20.1
8 29	21 34.75	−14 59.1	1.881	2.869	5.1	20.4
9 8	21 28.03	−15 39.6	1.930	2.869	8.9	20.6
9 18	21 23.05	−16 10.1	2.003	2.868	12.2	20.8
471142 2010 ET_{123}			8 16.5 170°.23		1°.5/15.1 18	
7 10	22 9.52	−14 43.4	2.272	3.109	12.5	22.0
7 20	22 4.97	−15 34.7	2.195	3.113	9.5	21.8
7 30	21 58.57	−16 34.3	2.140	3.116	6.2	21.6
8 9	21 50.82	−17 37.4	2.112	3.119	2.7	21.4
8 19	21 42.42	−18 39.0	2.113	3.121	2.1	21.3
8 29	21 34.19	−19 33.8	2.143	3.122	5.4	21.6
9 8	21 26.96	−20 17.9	2.199	3.123	8.8	21.8
9 18	21 21.37	−20 49.1	2.280	3.124	11.8	22.0
224189 2005 RB_{7}			8 16.5 33°.05		2°.4/17.9 17	
7 10	22 9.84	− 8 7.4	1.136	1.999	20.6	19.9
7 20	22 6.44	− 7 50.6	1.087	2.014	16.2	19.7
7 30	22 0.05	− 7 52.0	1.056	2.030	11.1	19.4
8 9	21 51.56	− 8 8.7	1.044	2.048	5.7	19.2
8 19	21 42.22	− 8 35.9	1.056	2.066	2.5	19.1
8 29	21 33.53	− 9 7.1	1.091	2.085	6.8	19.4
9 8	21 26.80	− 9 35.8	1.149	2.105	11.7	19.7
9 18	21 22.84	− 9 57.2	1.227	2.126	16.0	20.0

276866 2004 RH_{169} 8 16.5 52°.97 0°.4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 8.43	− 9 46.3	1.598	2.444	16.4	20.5
7 20	22 4.78	−10 15.5	1.528	2.449	12.8	20.3
7 30	21 58.75	−10 59.4	1.479	2.454	8.5	20.1
8 9	21 50.99	−11 53.9	1.454	2.459	3.8	19.8
8 19	21 42.39	−12 53.0	1.454	2.465	1.1	19.6
8 29	21 34.08	−13 50.0	1.480	2.471	5.9	20.0
9 8	21 27.16	−14 38.8	1.531	2.476	10.3	20.3
9 18	21 22.40	−15 15.7	1.605	2.482	14.1	20.5

512539 2016 SU_{7} 8 16.5 353°.65 2°.0/17.3 18

7 10	22 14.07	−12 11.0	1.329	2.185	18.6	20.2
7 20	22 9.66	−11 13.2	1.255	2.179	14.7	19.9
7 30	22 2.26	−10 22.9	1.200	2.175	10.1	19.6
8 9	21 52.60	− 9 39.5	1.167	2.171	5.0	19.3
8 19	21 41.85	− 9 1.8	1.159	2.169	2.2	19.2
8 29	21 31.46	− 8 28.3	1.175	2.168	6.7	19.4
9 8	21 22.85	− 7 56.9	1.216	2.168	11.7	19.7
9 18	21 16.99	− 7 25.9	1.278	2.168	16.1	20.0

479062 2013 AU_{75} 8 16.5 280°.60 0°.1/16.6 16

7 10	22 11.55	−12 9.8	2.041	2.873	13.8	22.1
7 20	22 7.03	−12 16.1	1.931	2.845	10.9	21.9
7 30	22 0.27	−12 31.6	1.843	2.815	7.3	21.6
8 9	21 51.72	−12 53.8	1.780	2.786	3.3	21.3
8 19	21 42.11	−13 19.0	1.744	2.756	1.1	21.1
8 29	21 32.40	−13 42.9	1.737	2.725	5.5	21.3
9 8	21 23.66	−14 1.7	1.756	2.694	9.7	21.5
9 18	21 16.75	−14 12.6	1.799	2.663	13.5	21.7

293748 2007 RO_{54} 8 16.5 59°.38 0°.2/16.4 18

7 10	22 11.75	−13 18.8	1.829	2.670	14.8	20.5
7 20	22 7.04	−13 20.3	1.754	2.673	11.5	20.3
7 30	22 0.10	−13 30.2	1.700	2.675	7.6	20.0
8 9	21 51.54	−13 45.2	1.671	2.678	3.3	19.8
8 19	21 42.22	−14 1.6	1.669	2.680	1.2	19.6
8 29	21 33.19	−14 15.3	1.694	2.683	5.5	19.9
9 8	21 25.47	−14 23.0	1.745	2.686	9.6	20.2
9 18	21 19.78	−14 23.0	1.820	2.688	13.1	20.4

511262 2014 CO_{11} 8 16.5 216°.80 1°.1/15.6 18

7 10	22 9.46	−13 46.9	2.066	2.906	13.4	22.3
7 20	22 5.18	−14 27.6	1.981	2.900	10.4	22.1
7 30	21 58.86	−15 17.9	1.918	2.894	6.8	21.8
8 9	21 51.02	−16 13.6	1.881	2.888	2.9	21.6
8 19	21 42.38	−17 9.4	1.872	2.881	1.8	21.5
8 29	21 33.88	−17 59.6	1.891	2.874	5.6	21.7
9 8	21 26.44	−18 40.1	1.936	2.867	9.4	21.9
9 18	21 20.78	−19 8.2	2.005	2.859	12.7	22.1

188867 2006 US_{174} 8 16.5 281°.29 2°.8/18.5 17

7 10	22 8.75	− 4 46.0	1.605	2.433	17.1	21.5
7 20	22 5.37	− 4 51.4	1.505	2.411	13.9	21.2
7 30	21 59.44	− 5 15.6	1.425	2.389	9.9	20.9
8 9	21 51.45	− 5 57.4	1.367	2.366	5.6	20.6
8 19	21 42.20	− 6 53.4	1.335	2.343	2.8	20.4
8 29	21 32.87	− 7 57.5	1.328	2.320	6.2	20.5
9 8	21 24.70	− 9 2.2	1.346	2.297	10.9	20.7
9 18	21 18.73	−10 0.9	1.387	2.273	15.3	20.9

147904 2006 SG_{62} 8 16.5 336°.72 7°.1/12.2 18

7 10	22 9.61	−25 2.2	1.191	2.080	18.0	19.7
7 20	22 6.86	−26 7.4	1.127	2.071	14.2	19.4
7 30	22 0.75	−27 16.1	1.082	2.062	10.2	19.2
8 9	21 52.05	−28 17.4	1.057	2.054	7.3	19.0
8 19	21 42.04	−29 0.8	1.056	2.046	8.1	19.0
8 29	21 32.41	−29 18.0	1.076	2.040	11.7	19.2
9 8	21 24.80	−29 6.9	1.117	2.034	15.9	19.4
9 18	21 20.29	−28 29.5	1.176	2.030	19.8	19.7

193265 2000 SH_{159} 8 16.5 263°.51 0°.8/15.9 18

7 10	22 9.98	−13 15.8	1.868	2.712	14.5	21.3
7 20	22 5.89	−13 44.3	1.776	2.697	11.3	21.1
7 30	21 59.52	−14 23.6	1.705	2.681	7.5	20.8
8 9	21 51.39	−15 9.6	1.658	2.665	3.2	20.5
8 19	21 42.27	−15 57.1	1.639	2.649	1.6	20.4
8 29	21 33.21	−16 40.4	1.647	2.633	6.0	20.7
9 8	21 25.28	−17 14.7	1.680	2.616	10.2	20.9
9 18	21 19.32	−17 37.1	1.737	2.599	13.9	21.1

97507 2000 CV_{103} 8 16.5 65°.52 4°.2/19.7 17

7 10	22 10.87	− 1 49.6	1.815	2.619	16.4	19.2
7 20	22 6.18	− 1 24.8	1.753	2.639	13.3	19.0
7 30	21 59.41	− 1 16.7	1.711	2.659	9.8	18.8
8 9	21 51.20	− 1 24.4	1.693	2.679	6.3	18.7
8 19	21 42.38	− 1 45.9	1.700	2.700	4.2	18.6
8 29	21 33.95	− 2 17.0	1.734	2.720	5.8	18.7
9 8	21 26.80	− 2 52.9	1.794	2.740	9.0	19.0
9 18	21 21.61	− 3 28.7	1.878	2.760	12.1	19.2

57830 2001 XW_{11} 8 16.5 96°.24 3°.7/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 11.71	−23 7.4	2.112	2.964	12.7	19.5
7 20	22 6.80	−23 39.4	2.042	2.967	9.8	19.4
7 30	21 59.83	−24 12.6	1.995	2.970	6.7	19.2
8 9	21 51.41	−24 41.9	1.974	2.973	4.1	19.0
8 19	21 42.33	−25 2.4	1.979	2.976	4.2	19.0
8 29	21 33.57	−25 10.5	2.013	2.978	6.9	19.2
9 8	21 26.02	−25 4.7	2.072	2.981	10.0	19.4
9 18	21 20.37	−24 45.1	2.154	2.984	12.8	19.6

512176 2015 RF_{104} 8 16.5 320°.91 0°.4/16.8 18

7 10	22 9.71	−12 8.8	2.044	2.880	13.7	20.7
7 20	22 5.33	−12 4.6	1.959	2.874	10.7	20.5
7 30	21 58.93	−12 8.5	1.896	2.869	7.1	20.3
8 9	21 51.05	−12 18.0	1.858	2.864	3.2	20.1
8 19	21 42.44	−12 30.3	1.848	2.859	1.0	19.9
8 29	21 34.01	−12 41.7	1.865	2.854	5.0	20.2
9 8	21 26.67	−12 49.4	1.908	2.850	8.8	20.4
9 18	21 21.11	−12 51.0	1.976	2.845	12.2	20.6

325477 2009 RG_{1} 8 16.5 352°.04 10°.3/10.6 18

7 10	22 4.47	−29 47.7	0.961	1.870	19.6	19.1
7 20	22 3.57	−31 4.4	0.908	1.859	15.8	18.8
7 30	21 58.91	−32 18.2	0.872	1.850	12.3	18.6
8 9	21 51.35	−33 15.4	0.854	1.842	10.4	18.4
8 19	21 42.37	−33 43.6	0.856	1.837	11.4	18.5
8 29	21 33.97	−33 35.2	0.878	1.834	14.7	18.7
9 8	21 27.95	−32 50.1	0.917	1.833	18.6	18.9
9 18	21 25.40	−31 34.1	0.972	1.834	22.3	19.1

7676 1995 WN_{8} 8 16.5 69°.93 0°.9/17.3 18

7 10	22 7.83	− 5 50.0	1.442	2.284	18.1	16.7
7 20	22 4.48	− 6 54.2	1.382	2.299	14.1	16.5
7 30	21 58.63	− 8 20.1	1.342	2.314	9.5	16.3
8 9	21 50.98	−10 1.8	1.325	2.330	4.5	16.0
8 19	21 42.52	−11 50.6	1.334	2.345	1.3	15.9
8 29	21 34.44	−13 36.0	1.369	2.361	6.1	16.2
9 8	21 27.86	−15 9.3	1.429	2.376	10.7	16.5
9 18	21 23.58	−16 24.8	1.512	2.391	14.7	16.8

502828 2015 DJ_{148} 8 16.5 131°.51 1°.1/17.5 17

7 10	22 9.89	− 6 25.4	1.804	2.628	15.7	21.9
7 20	22 5.63	− 7 9.0	1.733	2.639	12.3	21.7
7 30	21 59.20	− 8 9.5	1.682	2.649	8.4	21.5
8 9	21 51.20	− 9 22.7	1.656	2.659	4.1	21.3
8 19	21 42.45	−10 42.8	1.658	2.669	1.3	21.1
8 29	21 33.96	−12 2.5	1.687	2.677	5.3	21.4
9 8	21 26.71	−13 15.4	1.743	2.686	9.4	21.7
9 18	21 21.44	−14 16.6	1.822	2.694	13.0	21.9

154896 2004 RD_{230} 8 16.5 326°.41 3°.7/13.8 18

7 10	22 9.04	−22 10.8	1.837	2.700	13.9	19.8
7 20	22 5.25	−22 38.5	1.753	2.684	10.8	19.5
7 30	21 59.12	−23 9.0	1.690	2.668	7.3	19.3
8 9	21 51.23	−23 37.0	1.651	2.653	4.3	19.1
8 19	21 42.42	−23 56.8	1.639	2.638	4.4	19.1
8 29	21 33.79	−24 3.7	1.652	2.624	7.6	19.2
9 8	21 26.41	−23 55.5	1.691	2.611	11.2	19.4
9 18	21 21.12	−23 32.0	1.751	2.598	14.5	19.6

478495 2012 RT_{37} 8 16.5 275°.26 5°.8/21.6 18

7 10	22 6.07	+ 4 17.5	1.851	2.633	16.9	21.5
7 20	22 2.85	+ 4 19.9	1.756	2.621	14.3	21.3
7 30	21 57.51	+ 3 59.6	1.680	2.609	11.2	21.1
8 9	21 50.53	+ 3 15.9	1.625	2.598	8.0	20.9
8 19	21 42.63	+ 2 10.7	1.596	2.586	5.9	20.7
8 29	21 34.76	+ 0 48.8	1.592	2.574	6.7	20.8
9 8	21 27.92	− 0 42.4	1.614	2.562	9.6	20.9
9 18	21 22.91	− 2 14.8	1.661	2.551	13.0	21.1

513573 2010 VN_{93} 8 16.5 147°.10 4°.7/11.8 18

7 10	22 9.11	−26 37.6	2.402	3.254	11.4	21.2
7 20	22 4.68	−27 34.5	2.334	3.256	8.9	21.0
7 30	21 58.40	−28 31.1	2.290	3.258	6.4	20.9
8 9	21 50.80	−29 21.6	2.272	3.260	4.8	20.8
8 19	21 42.58	−30 1.1	2.282	3.262	5.3	20.8
8 29	21 34.60	−30 25.7	2.319	3.263	7.4	20.9
9 8	21 27.66	−30 33.7	2.381	3.265	9.9	21.1
9 18	21 22.39	−30 25.4	2.466	3.266	12.3	21.3

115695 2003 UM_{160} 8 16.5 230°.73 1°.4/17.8 18

7 10	22 8.55	− 7 27.0	2.013	2.837	14.3	20.1
7 20	22 4.50	− 7 40.6	1.926	2.832	11.3	19.9
7 30	21 58.44	− 8 7.3	1.861	2.827	7.8	19.7
8 9	21 50.88	− 8 44.8	1.820	2.822	4.0	19.4
8 19	21 42.54	− 9 29.4	1.807	2.817	1.5	19.2
8 29	21 34.34	−10 16.3	1.820	2.811	4.9	19.5
9 8	21 27.18	−11 0.5	1.861	2.806	8.8	19.7
9 18	21 21.77	−11 38.2	1.926	2.800	12.3	19.9

67140 2000 AD_{166} 8 16.5 236°.20 1°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 5.45	−12 54.6	2.655	3.487	11.0	18.8
7 20	22 1.73	−14 9.4	2.562	3.478	8.4	18.6
7 30	21 56.43	−15 34.4	2.494	3.469	5.5	18.4
8 9	21 49.96	−17 5.1	2.453	3.460	2.4	18.2
8 19	21 42.85	−18 36.1	2.442	3.450	1.9	18.2
8 29	21 35.76	−20 1.8	2.461	3.440	4.9	18.4
9 8	21 29.40	−21 17.6	2.509	3.430	8.0	18.5
9 18	21 24.35	−22 20.1	2.582	3.419	10.7	18.7

168253 2006 LZ_{2} 8 16.5 18°.73 0°.9/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.87	− 8 6.0	1.603	2.449	16.4	19.8
7 20	22 2.83	− 8 36.6	1.532	2.452	12.8	19.5
7 30	21 57.51	− 9 23.7	1.482	2.455	8.7	19.3
8 9	21 50.50	−10 23.4	1.455	2.459	4.1	19.0
8 19	21 42.68	−11 29.8	1.453	2.464	1.2	18.8
8 29	21 35.12	−12 35.9	1.477	2.469	5.7	19.2
9 8	21 28.85	−13 35.1	1.526	2.474	10.0	19.4
9 18	21 24.66	−14 22.6	1.598	2.480	13.9	19.7

389143 2009 AB_{51} 8 16.5 317°.85 1°.1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.01	−12 36.2	1.691	2.546	15.2	20.7
7 20	22 3.00	−13 24.1	1.609	2.537	11.8	20.5
7 30	21 57.69	−14 25.5	1.549	2.528	7.7	20.2
8 9	21 50.62	−15 35.4	1.512	2.519	3.3	19.9
8 19	21 42.62	−16 47.1	1.501	2.511	1.9	19.8
8 29	21 34.76	−17 53.2	1.516	2.503	6.4	20.1
9 8	21 28.09	−18 47.6	1.557	2.495	10.7	20.3
9 18	21 23.48	−19 26.5	1.619	2.487	14.5	20.5

169753 2002 PY_{23} 8 16.5 299°.61 2°.6/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.19	− 5 15.6	1.858	2.679	15.4	20.2
7 20	22 4.37	− 5 13.7	1.773	2.675	12.4	20.0
7 30	21 58.43	− 5 26.8	1.710	2.671	8.8	19.8
8 9	21 50.90	− 5 53.1	1.670	2.667	4.9	19.6
8 19	21 42.55	− 6 29.8	1.656	2.664	2.6	19.4
8 29	21 34.36	− 7 12.1	1.669	2.660	5.3	19.6
9 8	21 27.28	− 7 55.0	1.708	2.656	9.1	19.8
9 18	21 22.08	− 8 33.7	1.770	2.653	12.7	20.0

224104 2005 OD_{28} 8 16.6 25°.50 1°.2/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.69	− 9 3.3	1.192	2.058	19.6	20.1
7 20	22 4.84	− 9 10.7	1.136	2.066	15.4	19.9
7 30	21 59.09	− 9 36.0	1.097	2.075	10.4	19.6
8 9	21 51.25	−10 15.4	1.079	2.084	4.9	19.4
8 19	21 42.46	−11 2.4	1.084	2.095	1.6	19.2
8 29	21 34.15	−11 49.7	1.113	2.107	6.7	19.6
9 8	21 27.64	−12 30.0	1.164	2.119	11.7	19.9
9 18	21 23.80	−12 58.9	1.237	2.132	16.1	20.2

341341 2007 TG_{43} 8 16.6 248°.18 4°.5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.61	−24 44.1	2.269	3.118	12.0	21.1
7 20	22 6.86	−25 37.7	2.181	3.103	9.4	20.9
7 30	22 0.02	−26 33.2	2.116	3.087	6.6	20.7
8 9	21 51.59	−27 24.6	2.078	3.071	4.6	20.5
8 19	21 42.33	−28 6.2	2.067	3.054	5.1	20.5
8 29	21 33.16	−28 33.3	2.084	3.037	7.6	20.7
9 8	21 25.03	−28 43.4	2.127	3.020	10.5	20.8
9 18	21 18.72	−28 36.5	2.192	3.002	13.3	21.0

22961 1999 UM_{14} 8 16.6 121°.07 1°.0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.40	−12 49.9	1.677	2.522	15.8	18.7
7 20	22 7.71	−13 32.4	1.613	2.534	12.2	18.5
7 30	22 0.63	−14 26.6	1.570	2.546	7.9	18.3
8 9	21 51.84	−15 27.0	1.551	2.558	3.4	18.0
8 19	21 42.28	−16 27.1	1.559	2.569	1.8	17.9
8 29	21 33.09	−17 20.3	1.594	2.580	6.2	18.3
9 8	21 25.34	−18 1.7	1.655	2.590	10.4	18.5
9 18	21 19.79	−18 28.9	1.739	2.600	14.0	18.8

68291 2001 FM_{36} 8 16.6 233°.03 1°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.42	−17 11.7	2.435	3.274	11.7	19.6
7 20	22 4.80	−17 28.5	2.352	3.271	8.9	19.4
7 30	21 58.44	−17 49.8	2.292	3.268	5.9	19.2
8 9	21 50.82	−18 12.3	2.259	3.265	2.7	19.0
8 19	21 42.60	−18 32.3	2.253	3.261	2.0	19.0
8 29	21 34.57	−18 46.7	2.277	3.258	5.0	19.2
9 8	21 27.47	−18 53.1	2.327	3.254	8.2	19.4
9 18	21 21.92	−18 50.3	2.402	3.250	11.1	19.6

113063 2002 RF_{59} 8 16.6 300°.26 1°.0/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.05	−10 5.4	1.882	2.716	14.8	20.0
7 20	22 5.77	−10 3.7	1.800	2.713	11.6	19.8
7 30	21 59.33	−10 12.7	1.738	2.709	7.9	19.5
8 9	21 51.29	−10 30.1	1.702	2.706	3.8	19.3
8 19	21 42.45	−10 52.3	1.691	2.702	1.3	19.1
8 29	21 33.80	−11 15.5	1.708	2.699	5.2	19.4
9 8	21 26.32	−11 35.5	1.751	2.695	9.3	19.6
9 18	21 20.76	−11 49.5	1.817	2.692	12.8	19.8

158724 2003 KX_{34} 8 16.6 27°.93 6°.1/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 8.12	+ 0 22.2	1.405	2.224	19.6	19.1
7 20	22 4.78	+ 1 1.6	1.340	2.232	16.2	18.9
7 30	21 58.90	+ 1 18.9	1.294	2.241	12.3	18.6
8 9	21 51.14	+ 1 13.5	1.268	2.250	8.5	18.5
8 19	21 42.51	+ 0 47.0	1.265	2.260	6.2	18.4
8 29	21 34.22	+ 0 4.3	1.286	2.271	7.4	18.5
9 8	21 27.45	− 0 47.4	1.331	2.283	10.8	18.7
9 18	21 23.02	− 1 40.7	1.397	2.295	14.5	18.9

239847 1999 TC_{191} 8 16.6 263°.39 7°.2/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.62	+ 7 34.6	1.917	2.676	17.2	20.2
7 20	22 3.15	+ 7 56.1	1.829	2.672	14.7	20.0
7 30	21 57.64	+ 7 55.0	1.758	2.668	12.0	19.8
8 9	21 50.57	+ 7 29.7	1.710	2.664	9.2	19.6
8 19	21 42.67	+ 6 41.0	1.685	2.660	7.4	19.5
8 29	21 34.87	+ 5 32.5	1.685	2.656	7.6	19.5
9 8	21 28.10	+ 4 10.8	1.711	2.651	9.8	19.6
9 18	21 23.12	+ 2 43.6	1.762	2.647	12.6	19.8

9263 Khariton 8 16.6 340°.61 1°.3/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.41	−14 50.9	1.793	2.652	14.4	17.5
7 20	22 2.38	−15 18.5	1.712	2.642	11.1	17.3
7 30	21 57.20	−15 55.4	1.652	2.632	7.3	17.0
8 9	21 50.39	−16 37.3	1.616	2.623	3.2	16.8
8 19	21 42.74	−17 18.8	1.606	2.615	2.0	16.7
8 29	21 35.26	−17 54.7	1.622	2.608	6.1	16.9
9 8	21 28.94	−18 20.5	1.663	2.601	10.1	17.1
9 18	21 24.55	−18 33.8	1.726	2.595	13.7	17.3

74506 1999 EJ_{4} 8 16.6 279°.83 1°.3/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.86	−15 27.4	2.026	2.870	13.5	18.9
7 20	22 5.66	−15 48.4	1.931	2.853	10.5	18.7
7 30	21 59.31	−16 17.1	1.858	2.835	6.9	18.4
8 9	21 51.32	−16 49.6	1.810	2.817	3.0	18.1
8 19	21 42.43	−17 21.3	1.790	2.799	1.9	18.0
8 29	21 33.61	−17 47.6	1.797	2.781	5.8	18.3
9 8	21 25.83	−18 4.9	1.830	2.763	9.7	18.5
9 18	21 19.90	−18 11.2	1.887	2.745	13.2	18.6

163859 2003 SK_{95} 8 16.6 345°.65 5°.9/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 16.91	−27 30.6	1.547	2.410	16.0	18.9
7 20	22 11.67	−27 48.6	1.477	2.405	12.6	18.7
7 30	22 3.48	−28 3.5	1.429	2.401	9.1	18.5
8 9	21 53.15	−28 8.0	1.404	2.397	6.3	18.3
8 19	21 41.87	−27 56.0	1.404	2.394	6.4	18.3
8 29	21 31.12	−27 24.2	1.429	2.392	9.4	18.5
9 8	21 22.21	−26 33.1	1.478	2.390	13.1	18.7
9 18	21 16.05	−25 26.0	1.548	2.388	16.5	18.9

266159 2006 UZ_{105} 8 16.6 185°.25 3°.1/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 13.07	−19 2.5	1.965	2.812	13.7	22.0
7 20	22 8.10	−19 56.8	1.889	2.812	10.5	21.8
7 30	22 0.87	−20 57.3	1.835	2.812	7.0	21.6
8 9	21 51.97	−21 57.9	1.808	2.811	3.7	21.4
8 19	21 42.24	−22 52.2	1.808	2.809	3.7	21.4
8 29	21 32.74	−23 34.5	1.836	2.807	7.0	21.6
9 8	21 24.47	−24 1.4	1.890	2.804	10.5	21.8
9 18	21 18.23	−24 12.0	1.967	2.801	13.7	22.0

323379 2003 XC_{29} 8 16.6 36°.84 3°.3/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.04	−17 52.6	1.291	2.165	17.9	20.7
7 20	22 7.40	−18 38.5	1.232	2.170	13.7	20.4
7 30	22 0.80	−19 33.7	1.193	2.176	9.0	20.2
8 9	21 52.02	−20 30.4	1.176	2.182	4.5	19.9
8 19	21 42.24	−21 20.0	1.183	2.188	4.1	19.9
8 29	21 32.95	−21 55.1	1.214	2.195	8.5	20.2
9 8	21 25.49	−22 11.7	1.269	2.202	13.0	20.5
9 18	21 20.78	−22 9.3	1.343	2.210	17.0	20.8

436555 2011 HS_{5} 8 16.6 73°.43 7°.2/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 18.81	−30 28.5	1.629	2.486	15.6	21.1
7 20	22 12.71	−31 21.1	1.587	2.508	12.4	20.9
7 30	22 3.86	−32 8.1	1.567	2.530	9.3	20.8
8 9	21 53.19	−32 40.8	1.571	2.552	7.4	20.7
8 19	21 41.92	−32 53.1	1.600	2.573	7.8	20.8
8 29	21 31.44	−32 42.0	1.654	2.595	10.2	21.0
9 8	21 22.93	−32 8.7	1.732	2.616	13.0	21.2
9 18	21 17.09	−31 16.9	1.831	2.637	15.7	21.5

175790 1999 RV_{58} 8 16.6 302°.68 1°.1/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 15.37	−12 55.1	1.355	2.208	18.4	19.6
7 20	22 11.02	−12 19.4	1.264	2.188	14.6	19.3
7 30	22 3.49	−11 51.6	1.192	2.168	10.0	19.0
8 9	21 53.38	−11 29.6	1.143	2.148	4.7	18.7
8 19	21 41.77	−11 10.8	1.117	2.129	1.6	18.4
8 29	21 30.20	−10 52.3	1.117	2.109	7.1	18.7
9 8	21 20.25	−10 31.0	1.141	2.090	12.5	18.9
9 18	21 13.15	−10 5.4	1.186	2.072	17.4	19.2

389160 2009 BU_{58} 8 16.6 263°.28 1°.7/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 9.23	−15 17.1	1.913	2.761	14.0	21.4
7 20	22 5.28	−15 57.6	1.825	2.749	10.8	21.2
7 30	21 59.12	−16 47.6	1.758	2.737	7.1	20.9
8 9	21 51.26	−17 42.2	1.717	2.724	3.2	20.7
8 19	21 42.50	−18 35.8	1.703	2.711	2.4	20.6
8 29	21 33.82	−19 22.4	1.716	2.698	6.3	20.8
9 8	21 26.27	−19 57.5	1.755	2.685	10.2	21.0
9 18	21 20.64	−20 18.6	1.817	2.672	13.8	21.2

263722 2008 HH_{50} 8 16.6 32°.52 3°.5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.13	−21 34.3	2.096	2.953	12.6	20.4
7 20	22 4.12	−22 23.0	2.027	2.956	9.7	20.2
7 30	21 58.14	−23 14.9	1.982	2.959	6.5	20.0
8 9	21 50.75	−24 4.6	1.962	2.963	3.9	19.9
8 19	21 42.69	−24 46.5	1.969	2.966	4.2	19.9
8 29	21 34.90	−25 16.1	2.004	2.970	6.9	20.1
9 8	21 28.23	−25 31.0	2.063	2.974	10.0	20.3
9 18	21 23.35	−25 30.6	2.146	2.978	12.8	20.5

181929 1999 TR_{134} 8 16.6 15°.15 5°.4/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 3.96	+ 3 27.1	1.894	2.682	16.4	19.7
7 20	22 1.03	+ 3 31.2	1.815	2.685	13.7	19.5
7 30	21 56.18	+ 3 14.2	1.756	2.689	10.6	19.3
8 9	21 49.92	+ 2 36.3	1.719	2.693	7.5	19.2
8 19	21 42.96	+ 1 39.9	1.706	2.697	5.5	19.1
8 29	21 36.18	+ 0 29.7	1.720	2.702	6.2	19.1
9 8	21 30.44	− 0 47.5	1.759	2.708	8.9	19.3
9 18	21 26.42	− 2 4.9	1.822	2.714	12.0	19.5

218394 2004 PE_{64} 8 16.6 348°.49 5°.0/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 15.98	−27 25.8	1.823	2.678	14.3	19.5
7 20	22 10.50	−27 33.7	1.750	2.673	11.3	19.2
7 30	22 2.50	−27 38.1	1.698	2.668	8.0	19.0
8 9	21 52.70	−27 33.4	1.670	2.664	5.4	18.9
8 19	21 42.11	−27 14.8	1.669	2.661	5.5	18.9
8 29	21 31.97	−26 39.8	1.695	2.658	8.2	19.0
9 8	21 23.39	−25 48.8	1.746	2.655	11.5	19.2
9 18	21 17.17	−24 44.4	1.819	2.654	14.6	19.4

513993 2014 HZ_{82} 8 16.6 234°.99 1°.5/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.05	−15 4.5	2.222	3.062	12.6	22.3
7 20	22 4.81	−15 46.9	2.132	3.052	9.7	22.1
7 30	21 58.64	−16 37.6	2.065	3.041	6.4	21.9
8 9	21 51.02	−17 32.5	2.024	3.030	2.8	21.6
8 19	21 42.62	−18 26.4	2.010	3.019	2.1	21.6
8 29	21 34.31	−19 14.3	2.026	3.007	5.6	21.8
9 8	21 26.95	−19 52.1	2.068	2.995	9.1	22.0
9 18	21 21.25	−20 17.5	2.134	2.982	12.3	22.2

35097 1991 GS_{5} 8 16.6 47°.59 4°.3/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.37	− 1 38.0	1.449	2.273	18.9	18.6
7 20	22 4.86	− 1 30.8	1.388	2.287	15.3	18.4
7 30	21 58.89	− 1 45.1	1.345	2.301	11.2	18.1
8 9	21 51.14	− 2 19.7	1.324	2.316	6.9	17.9
8 19	21 42.61	− 3 10.5	1.327	2.330	4.3	17.8
8 29	21 34.47	− 4 11.3	1.355	2.346	6.3	18.0
9 8	21 27.83	− 5 14.2	1.408	2.361	10.2	18.3
9 18	21 23.46	− 6 12.6	1.483	2.377	14.0	18.5

94773 2001 XF_{108} 8 16.6 158°.68 0°.8/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 14.63	−13 47.5	1.464	2.316	17.3	19.3
7 20	22 9.90	−14 4.5	1.393	2.318	13.5	19.0
7 30	22 2.36	−14 32.5	1.343	2.321	8.9	18.8
8 9	21 52.73	−15 6.7	1.316	2.323	3.8	18.5
8 19	21 42.09	−15 41.2	1.314	2.325	1.8	18.3
8 29	21 31.82	−16 9.8	1.338	2.326	6.8	18.7
9 8	21 23.21	−16 28.1	1.387	2.328	11.5	19.0
9 18	21 17.17	−16 34.0	1.458	2.329	15.6	19.2

280959 2006 BR_{241} 8 16.6 50°.43 2°.0/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.96	−15 31.7	1.485	2.348	16.6	20.4
7 20	22 6.05	−16 14.2	1.432	2.364	12.6	20.2
7 30	21 59.62	−17 6.3	1.400	2.381	8.2	20.0
8 9	21 51.44	−18 1.7	1.391	2.398	3.7	19.8
8 19	21 42.54	−18 53.2	1.408	2.416	2.8	19.8
8 29	21 34.13	−19 34.5	1.450	2.434	7.0	20.1
9 8	21 27.32	−20 1.3	1.516	2.452	11.1	20.3
9 18	21 22.85	−20 12.5	1.604	2.470	14.7	20.6

126518 2002 CE_{78} 8 16.6 96°.47 2°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.16	−16 46.7	1.741	2.593	15.0	19.8
7 20	22 7.52	−17 14.6	1.674	2.600	11.5	19.6
7 30	22 0.53	−17 49.7	1.628	2.606	7.5	19.4
8 9	21 51.85	−18 26.8	1.607	2.613	3.4	19.1
8 19	21 42.41	−19 0.2	1.612	2.620	2.6	19.1
8 29	21 33.33	−19 25.0	1.644	2.626	6.5	19.4
9 8	21 25.65	−19 38.1	1.702	2.633	10.4	19.6
9 18	21 20.14	−19 38.2	1.782	2.639	13.9	19.9

355094 2006 TQ_{14} 8 16.6 319°.62 3°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 6.66	− 3 41.0	1.900	2.717	15.3	20.7
7 20	22 3.19	− 3 38.9	1.814	2.711	12.4	20.5
7 30	21 57.68	− 3 52.7	1.747	2.705	8.9	20.3
8 9	21 50.64	− 4 21.1	1.705	2.699	5.3	20.1
8 19	21 42.79	− 5 1.4	1.688	2.693	3.1	19.9
8 29	21 35.06	− 5 49.0	1.697	2.688	5.3	20.0
9 8	21 28.38	− 6 38.5	1.733	2.683	8.9	20.2
9 18	21 23.50	− 7 24.9	1.792	2.678	12.5	20.4

247460 2002 GE_{118} 8 16.6 202°.44 3°.7/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.19	−21 8.4	2.115	2.965	12.8	20.9
7 20	22 6.59	−22 11.2	2.036	2.961	9.8	20.7
7 30	21 59.88	−23 18.8	1.982	2.957	6.7	20.5
8 9	21 51.60	−24 24.9	1.953	2.953	4.1	20.4
8 19	21 42.51	−25 23.3	1.952	2.948	4.4	20.4
8 29	21 33.58	−26 8.3	1.979	2.942	7.2	20.6
9 8	21 25.78	−26 36.8	2.032	2.936	10.4	20.7
9 18	21 19.83	−26 48.1	2.108	2.930	13.4	20.9

416677 2004 XQ_{5} 8 16.6 306°.72 0°.4/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.42	−13 25.9	1.239	2.107	18.9	21.4
7 20	22 8.13	−13 26.6	1.158	2.092	14.8	21.2
7 30	22 1.66	−13 39.8	1.096	2.077	10.0	20.8
8 9	21 52.63	−14 1.4	1.055	2.062	4.4	20.5
8 19	21 42.15	−14 25.8	1.037	2.048	1.6	20.2
8 29	21 31.80	−14 46.3	1.043	2.034	7.5	20.6
9 8	21 23.18	−14 57.7	1.071	2.021	13.1	20.8
9 18	21 17.47	−14 57.0	1.119	2.008	18.0	21.1

401340 2013 AF_{89} 8 16.6 119°.70 3°.3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.69	−20 19.1	2.164	3.017	12.4	21.5
7 20	22 4.50	−21 18.1	2.096	3.022	9.5	21.3
7 30	21 58.39	−22 21.5	2.051	3.028	6.4	21.2
8 9	21 50.90	−23 23.8	2.033	3.034	3.7	21.0
8 19	21 42.75	−24 19.0	2.041	3.039	3.9	21.0
8 29	21 34.84	−25 2.2	2.078	3.045	6.7	21.2
9 8	21 28.02	−25 30.6	2.140	3.050	9.7	21.4
9 18	21 22.93	−25 43.2	2.226	3.055	12.5	21.6

27546 Maryfran 8 16.6 268°.80 3°.8/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.96	− 1 29.4	1.720	2.532	16.9	18.7
7 20	22 4.55	− 1 35.3	1.625	2.517	13.8	18.5
7 30	21 58.81	− 2 1.6	1.550	2.503	10.2	18.2
8 9	21 51.24	− 2 47.5	1.497	2.488	6.3	17.9
8 19	21 42.61	− 3 49.9	1.469	2.473	3.8	17.8
8 29	21 33.99	− 5 3.0	1.468	2.458	6.0	17.9
9 8	21 26.49	− 6 19.4	1.492	2.443	10.0	18.1
9 18	21 21.00	− 7 32.0	1.540	2.428	14.0	18.3

434203 2003 QA_{59} 8 16.6 338°.66 0°.7/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 1.65	−10 20.3	1.323	2.194	17.7	20.0
7 20	22 0.25	−11 15.6	1.244	2.180	13.8	19.8
7 30	21 56.24	−12 31.4	1.184	2.166	9.2	19.5
8 9	21 50.18	−14 2.2	1.146	2.154	3.9	19.1
8 19	21 42.96	−15 39.3	1.131	2.142	1.8	18.9
8 29	21 35.85	−17 11.9	1.141	2.132	7.2	19.3
9 8	21 30.15	−18 30.7	1.174	2.123	12.4	19.5
9 18	21 26.86	−19 29.5	1.228	2.115	16.8	19.8

62710 2000 TF_{40} 8 16.6 33°.32 10°.8/ 9.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 18.05	−37 19.7	1.454	2.316	16.9	18.8
7 20	22 12.96	−38 32.9	1.409	2.322	14.2	18.7
7 30	22 4.50	−39 34.6	1.384	2.329	11.9	18.6
8 9	21 53.66	−40 13.8	1.380	2.336	10.8	18.5
8 19	21 41.92	−40 22.3	1.399	2.343	11.6	18.6
8 29	21 30.99	−39 57.1	1.441	2.351	13.7	18.7
9 8	21 22.35	−39 0.9	1.503	2.359	16.2	18.9
9 18	21 16.87	−37 40.0	1.583	2.368	18.7	19.1

261798 2006 BV_{216} 8 16.6 289°.36 3°.6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.74	−21 27.8	2.289	3.144	11.8	20.3
7 20	22 3.03	−22 28.6	2.209	3.136	9.0	20.1
7 30	21 57.47	−23 33.6	2.153	3.129	6.1	19.9
8 9	21 50.53	−24 37.2	2.123	3.122	3.8	19.8
8 19	21 42.89	−25 33.9	2.121	3.115	4.2	19.8
8 29	21 35.37	−26 18.7	2.146	3.108	6.8	19.9
9 8	21 28.82	−26 48.5	2.196	3.101	9.8	20.1
9 18	21 23.88	−27 2.2	2.270	3.094	12.5	20.3

385235 2000 SA_{216} 8 16.6 327°.39 5°.0/13.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.46	−22 25.5	1.305	2.186	17.2	20.8
7 20	22 6.60	−22 58.6	1.225	2.167	13.5	20.5
7 30	22 0.62	−23 36.4	1.165	2.148	9.3	20.2
8 9	21 52.17	−24 11.0	1.127	2.129	5.6	20.0
8 19	21 42.34	−24 34.2	1.112	2.112	5.8	19.9
8 29	21 32.71	−24 39.1	1.120	2.096	9.7	20.1
9 8	21 24.80	−24 22.7	1.150	2.080	14.3	20.3
9 18	21 19.76	−23 45.7	1.199	2.066	18.6	20.5

431319 2006 WL_{103} 8 16.6 184°.22 1°.8/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 11.69	− 6 29.1	2.005	2.819	14.7	22.6
7 20	22 6.93	− 6 41.8	1.921	2.820	11.7	22.4
7 30	22 0.09	− 7 8.4	1.857	2.820	8.1	22.2
8 9	21 51.70	− 7 46.4	1.819	2.819	4.2	21.9
8 19	21 42.53	− 8 32.2	1.808	2.818	1.8	21.8
8 29	21 33.51	− 9 21.0	1.825	2.816	5.0	22.0
9 8	21 25.60	−10 7.6	1.870	2.813	8.8	22.2
9 18	21 19.53	−10 48.0	1.939	2.810	12.3	22.4

170407 2003 UT_{16} 8 16.6 297°.65 5°.9/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 15.40	−27 43.3	1.752	2.610	14.6	20.1
7 20	22 10.37	−28 18.3	1.674	2.599	11.6	19.9
7 30	22 2.64	−28 51.5	1.618	2.587	8.4	19.7
8 9	21 52.89	−29 15.7	1.586	2.576	6.2	19.5
8 19	21 42.15	−29 24.3	1.580	2.565	6.6	19.5
8 29	21 31.72	−29 13.1	1.599	2.554	9.3	19.7
9 8	21 22.86	−28 41.3	1.643	2.544	12.7	19.9
9 18	21 16.46	−27 51.3	1.708	2.533	15.8	20.0

367266 2007 TC_{89} 8 16.6 239°.66 3°.5/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.37	−18 11.6	1.528	2.390	16.2	21.5
7 20	22 8.29	−19 8.2	1.451	2.383	12.5	21.2
7 30	22 1.44	−20 14.6	1.395	2.375	8.3	21.0
8 9	21 52.44	−21 23.2	1.363	2.368	4.4	20.7
8 19	21 42.28	−22 25.6	1.356	2.359	4.3	20.7
8 29	21 32.33	−23 14.0	1.375	2.351	8.3	20.9
9 8	21 23.89	−23 43.6	1.418	2.342	12.6	21.2
9 18	21 17.96	−23 53.2	1.482	2.333	16.5	21.4

429691 2011 HK_{43} 8 16.6 108°.53 1°.2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.65	−11 54.1	1.806	2.650	14.9	21.1
7 20	22 4.77	−13 1.5	1.738	2.660	11.4	20.9
7 30	21 58.72	−14 22.1	1.693	2.670	7.4	20.7
8 9	21 51.11	−15 49.8	1.672	2.679	3.2	20.5
8 19	21 42.75	−17 17.5	1.679	2.689	2.0	20.4
8 29	21 34.64	−18 37.4	1.714	2.698	6.1	20.7
9 8	21 27.77	−19 43.9	1.774	2.706	10.0	21.0
9 18	21 22.86	−20 33.8	1.858	2.715	13.4	21.2

506154 2016 ED_{131} 8 16.6 96°.39 2°.7/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 17.31	−18 24.4	1.345	2.207	18.0	21.2
7 20	22 12.12	−18 44.5	1.286	2.216	13.9	21.0
7 30	22 3.87	−19 11.2	1.246	2.225	9.1	20.7
8 9	21 53.43	−19 38.0	1.228	2.234	4.4	20.5
8 19	21 42.03	−19 58.1	1.236	2.243	3.5	20.4
8 29	21 31.22	−20 6.1	1.269	2.252	7.9	20.7
9 8	21 22.39	−19 59.7	1.326	2.260	12.5	21.0
9 18	21 16.41	−19 39.0	1.404	2.269	16.5	21.3

238663 2005 ES_{138} 8 16.6 92°.25 4°.2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.04	−21 52.7	1.914	2.773	13.6	20.1
7 20	22 5.79	−22 59.4	1.854	2.783	10.4	19.9
7 30	21 59.36	−24 9.7	1.816	2.792	7.1	19.7
8 9	21 51.37	−25 16.8	1.803	2.802	4.5	19.6
8 19	21 42.68	−26 13.9	1.818	2.811	4.9	19.7
8 29	21 34.31	−26 55.6	1.859	2.821	7.7	19.8
9 8	21 27.22	−27 19.2	1.925	2.830	10.9	20.1
9 18	21 22.13	−27 24.6	2.013	2.839	13.8	20.3

253684 2003 UP_{229} 8 16.6 208°.25 3°.9/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.56	− 3 14.6	1.600	2.418	17.7	20.7
7 20	22 7.36	− 3 0.4	1.519	2.416	14.3	20.4
7 30	22 0.66	− 3 4.2	1.458	2.414	10.4	20.2
8 9	21 52.05	− 3 25.3	1.419	2.412	6.3	20.0
8 19	21 42.44	− 4 0.9	1.404	2.409	3.9	19.8
8 29	21 33.02	− 4 46.1	1.416	2.406	6.2	19.9
9 8	21 24.94	− 5 34.6	1.454	2.403	10.3	20.2
9 18	21 19.09	− 6 20.4	1.514	2.400	14.3	20.4

238278 2003 WH_{96} 8 16.6 268°.44 3°.8/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.69	−21 19.6	1.863	2.721	13.9	20.4
7 20	22 6.45	−22 7.7	1.789	2.718	10.7	20.2
7 30	21 59.90	−23 0.0	1.738	2.715	7.2	20.0
8 9	21 51.66	−23 50.3	1.711	2.712	4.3	19.8
8 19	21 42.58	−24 32.3	1.710	2.709	4.5	19.8
8 29	21 33.75	−25 0.8	1.737	2.705	7.6	20.0
9 8	21 26.20	−25 12.7	1.788	2.702	11.1	20.2
9 18	21 20.73	−25 7.9	1.862	2.699	14.2	20.4

103774 2000 DA_{4} 8 16.6 135°.19 1°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.39	−15 47.0	2.202	3.044	12.6	19.6
7 20	22 4.96	−16 38.4	2.132	3.053	9.7	19.4
7 30	21 58.67	−17 37.2	2.085	3.062	6.3	19.2
8 9	21 51.05	−18 38.4	2.064	3.070	2.9	19.0
8 19	21 42.81	−19 36.8	2.072	3.078	2.4	19.0
8 29	21 34.79	−20 27.2	2.108	3.086	5.6	19.2
9 8	21 27.83	−21 6.1	2.170	3.094	8.9	19.4
9 18	21 22.55	−21 31.7	2.257	3.101	11.9	19.6

443111 2013 YZ_{73} 8 16.6 208°.60 0°.7/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 8.28	−11 30.2	1.996	2.834	13.9	21.4
7 20	22 4.41	−12 24.2	1.913	2.831	10.8	21.1
7 30	21 58.49	−13 30.9	1.852	2.827	7.1	20.9
8 9	21 51.04	−14 45.6	1.817	2.824	3.0	20.7
8 19	21 42.79	−16 2.2	1.809	2.820	1.5	20.5
8 29	21 34.67	−17 14.2	1.830	2.815	5.6	20.8
9 8	21 27.59	−18 16.0	1.877	2.811	9.4	21.0
9 18	21 22.31	−19 4.2	1.948	2.806	12.8	21.2

445812 2012 BX_{110} 8 16.6 266°.53 0°.6/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.00	−14 48.2	2.338	3.173	12.2	21.1
7 20	22 5.37	−14 54.2	2.251	3.167	9.4	20.9
7 30	21 58.93	−15 6.1	2.188	3.162	6.2	20.7
8 9	21 51.17	−15 20.9	2.150	3.156	2.7	20.4
8 19	21 42.77	−15 35.5	2.140	3.151	1.2	20.3
8 29	21 34.53	−15 46.8	2.159	3.146	4.8	20.6
9 8	21 27.25	−15 52.1	2.206	3.140	8.2	20.8
9 18	21 21.56	−15 50.1	2.276	3.135	11.2	21.0

479967 2014 JM_{31} 8 16.6 172°.24 7°.2/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 13.30	−33 56.6	2.291	3.137	12.1	21.4
7 20	22 8.21	−35 10.5	2.231	3.139	9.9	21.3
7 30	22 0.93	−36 19.3	2.194	3.141	8.0	21.2
8 9	21 52.08	−37 15.7	2.183	3.142	7.2	21.1
8 19	21 42.49	−37 53.9	2.198	3.143	7.9	21.2
8 29	21 33.20	−38 10.1	2.238	3.143	9.7	21.3
9 8	21 25.18	−38 4.0	2.302	3.144	11.8	21.4
9 18	21 19.17	−37 37.4	2.387	3.144	13.9	21.6

125792 2001 XL_{152} 8 16.6 142°.09 4°.5/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.58	+ 0 4.8	1.935	2.726	16.0	20.5
7 20	22 6.10	+ 0 19.4	1.856	2.732	13.1	20.3
7 30	21 59.55	+ 0 16.4	1.798	2.738	9.9	20.1
8 9	21 51.49	− 0 3.8	1.762	2.744	6.6	19.9
8 19	21 42.68	− 0 39.0	1.753	2.750	4.5	19.8
8 29	21 34.09	− 1 25.2	1.771	2.755	5.8	19.9
9 8	21 26.62	− 2 17.0	1.815	2.760	8.9	20.1
9 18	21 21.00	− 3 8.7	1.883	2.764	12.2	20.3

30888 Okitsumisaki 8 16.6 267°.22 0°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.68	−11 55.7	2.291	3.120	12.6	18.9
7 20	22 5.32	−12 10.2	2.187	3.099	9.9	18.7
7 30	21 59.05	−12 33.6	2.106	3.078	6.6	18.5
8 9	21 51.30	−13 3.1	2.051	3.056	3.0	18.2
8 19	21 42.72	−13 35.3	2.023	3.034	0.9	18.0
8 29	21 34.14	−14 6.3	2.024	3.012	4.8	18.2
9 8	21 26.43	−14 32.2	2.052	2.990	8.5	18.4
9 18	21 20.30	−14 50.4	2.105	2.967	11.9	18.6

183803 2004 BX_{42} 8 16.6 140°.59 2°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.51	− 4 33.7	1.887	2.698	15.6	21.1
7 20	22 6.82	− 4 51.2	1.813	2.709	12.4	20.9
7 30	22 0.02	− 5 25.0	1.760	2.719	8.7	20.7
8 9	21 51.69	− 6 12.5	1.731	2.729	4.8	20.5
8 19	21 42.63	− 7 9.4	1.729	2.737	2.3	20.3
8 29	21 33.83	− 8 10.2	1.755	2.746	5.1	20.5
9 8	21 26.23	− 9 9.0	1.808	2.754	8.9	20.8
9 18	21 20.55	−10 1.1	1.885	2.761	12.4	21.0

510036 2010 CW_{181} 8 16.6 148°.83 0°.8/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.82	− 8 47.8	2.079	2.903	13.9	22.4
7 20	22 5.38	− 9 13.0	2.002	2.910	10.9	22.2
7 30	21 59.00	− 9 50.3	1.947	2.916	7.3	22.0
8 9	21 51.23	−10 36.5	1.918	2.921	3.5	21.8
8 19	21 42.78	−11 27.4	1.915	2.927	1.0	21.6
8 29	21 34.55	−12 17.9	1.942	2.932	4.8	21.9
9 8	21 27.38	−13 3.4	1.995	2.936	8.5	22.1
9 18	21 21.95	−13 40.6	2.073	2.940	11.8	22.3

449193 2013 CN_{24} 8 16.6 94°.65 1°.8/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.80	−18 44.4	2.268	3.108	12.4	21.0
7 20	22 7.42	−18 55.6	2.201	3.120	9.5	20.8
7 30	22 0.19	−19 10.1	2.156	3.132	6.2	20.6
8 9	21 51.69	−19 24.1	2.138	3.144	2.9	20.4
8 19	21 42.66	−19 33.9	2.149	3.155	2.3	20.4
8 29	21 33.97	−19 36.8	2.188	3.167	5.4	20.6
9 8	21 26.43	−19 31.1	2.253	3.178	8.6	20.9
9 18	21 20.62	−19 16.3	2.344	3.190	11.4	21.1

510093 2010 OK_{10} 8 16.6 78°.42 0°.8/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.90	−10 29.3	2.182	3.009	13.3	21.2
7 20	22 5.29	−10 29.3	2.109	3.018	10.3	21.0
7 30	21 58.85	−10 38.3	2.059	3.028	6.9	20.8
8 9	21 51.14	−10 53.9	2.033	3.037	3.3	20.6
8 19	21 42.84	−11 13.0	2.036	3.047	1.0	20.4
8 29	21 34.81	−11 32.2	2.066	3.056	4.5	20.7
9 8	21 27.84	−11 48.5	2.124	3.066	8.0	20.9
9 18	21 22.52	−11 59.5	2.206	3.075	11.1	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
44339 1998 RV_{65}			8 16.6 289°.87		0°.9/17.3 18	
	h m	° ′			°	m
7 10	22 8.07	− 9 2.4	1.844	2.680	15.0	19.6
7 20	22 4.43	− 9 18.2	1.757	2.670	11.8	19.4
7 30	21 58.62	− 9 47.3	1.690	2.661	8.0	19.1
8 9	21 51.16	−10 27.0	1.648	2.652	3.8	18.9
8 19	21 42.82	−11 12.8	1.631	2.643	1.2	18.6
8 29	21 34.59	−11 59.5	1.642	2.634	5.3	18.9
9 8	21 27.47	−12 41.9	1.679	2.625	9.5	19.1
9 18	21 22.25	−13 15.9	1.739	2.616	13.2	19.4
67542 2000 SR_{20}			8 16.6 46°.64		4°.7/19.4 18	
7 10	22 11.92	− 3 17.5	1.089	1.937	22.3	18.1
7 20	22 8.16	− 2 51.0	1.044	1.958	17.9	17.9
7 30	22 1.32	− 2 48.7	1.015	1.979	12.9	17.7
8 9	21 52.33	− 3 9.1	1.006	2.002	7.8	17.5
8 19	21 42.51	− 3 47.8	1.020	2.025	4.7	17.4
8 29	21 33.39	− 4 37.1	1.056	2.048	7.3	17.6
9 8	21 26.33	− 5 28.5	1.115	2.072	11.8	17.9
9 18	21 22.15	− 6 14.8	1.194	2.096	16.1	18.3
642 Clara			8 16.6 199°.16		2°.2/14.3 18	
7 10	22 9.25	−19 57.5	2.743	3.583	10.5	15.6
7 20	22 4.57	−20 26.9	2.661	3.580	8.0	15.4
7 30	21 58.30	−20 59.1	2.603	3.578	5.3	15.3
8 9	21 50.90	−21 30.6	2.572	3.575	2.8	15.1
8 19	21 42.95	−21 57.6	2.569	3.571	2.7	15.1
8 29	21 35.16	−22 17.0	2.596	3.568	5.2	15.2
9 8	21 28.20	−22 26.8	2.649	3.564	7.9	15.4
9 18	21 22.65	−22 26.1	2.728	3.560	10.4	15.6
468154 2014 WH_{85}			8 16.6 73°.21		6°.7/12.2 17	
7 10	22 13.81	−24 23.6	1.297	2.174	17.6	20.6
7 20	22 9.76	−25 43.5	1.244	2.181	13.7	20.4
7 30	22 2.52	−27 6.5	1.211	2.188	9.7	20.2
8 9	21 52.95	−28 21.6	1.200	2.195	6.9	20.0
8 19	21 42.31	−29 18.5	1.214	2.202	7.6	20.1
8 29	21 32.24	−29 49.7	1.251	2.209	11.0	20.3
9 8	21 24.17	−29 53.5	1.310	2.217	14.8	20.5
9 18	21 19.05	−29 32.2	1.388	2.224	18.3	20.8
246207 2007 RS_{144}			8 16.6 320°.97		0°.1/16.7 18	
7 10	22 10.06	−12 19.9	1.710	2.557	15.5	20.7
7 20	22 6.10	−12 24.9	1.629	2.550	12.1	20.4
7 30	21 59.78	−12 40.2	1.569	2.544	8.1	20.2
8 9	21 51.69	−13 2.5	1.532	2.539	3.6	19.9
8 19	21 42.69	−13 27.7	1.522	2.533	1.1	19.7
8 29	21 33.89	−13 51.0	1.537	2.528	5.8	20.0
9 8	21 26.37	−14 8.1	1.579	2.523	10.1	20.3
9 18	21 20.96	−14 16.6	1.642	2.518	13.9	20.5
444222 2005 TM_{180}			8 16.6 307°.41		3°.2/19.7 18	
7 10	22 4.84	− 1 15.5	2.077	2.880	14.6	21.2
7 20	22 1.68	− 1 31.3	1.986	2.873	11.9	21.0
7 30	21 56.67	− 2 4.7	1.915	2.865	8.7	20.8
8 9	21 50.28	− 2 54.4	1.868	2.858	5.4	20.6
8 19	21 43.14	− 3 57.3	1.847	2.851	3.3	20.4
8 29	21 36.08	− 5 8.3	1.854	2.844	5.0	20.5
9 8	21 29.94	− 6 21.4	1.887	2.837	8.3	20.7
9 18	21 25.40	− 7 30.7	1.945	2.830	11.6	20.9
292853 2006 UY_{334}			8 16.6 149°.66		4°.9/13.1 17	
7 10	22 14.47	−23 14.7	1.659	2.519	15.2	21.5
7 20	22 9.62	−24 11.6	1.594	2.523	11.8	21.3
7 30	22 2.13	−25 11.5	1.551	2.527	8.2	21.1
8 9	21 52.71	−26 6.5	1.533	2.530	5.3	21.0
8 19	21 42.40	−26 49.1	1.540	2.533	5.7	21.0
8 29	21 32.47	−27 13.6	1.574	2.536	8.8	21.2
9 8	21 24.12	−27 17.8	1.631	2.539	12.3	21.4
9 18	21 18.20	−27 2.8	1.710	2.541	15.6	21.6
321197 2008 YK_{8}			8 16.6 3°.83		2°.9/14.2 18	
7 10	22 8.39	−17 39.4	1.725	2.586	14.7	20.4
7 20	22 4.81	−18 35.0	1.654	2.586	11.3	20.2
7 30	21 58.91	−19 38.9	1.605	2.586	7.4	19.9
8 9	21 51.30	−20 44.8	1.581	2.586	3.8	19.7
8 19	21 42.83	−21 45.4	1.582	2.586	3.6	19.7
8 29	21 34.62	−22 34.4	1.610	2.587	7.2	19.9
9 8	21 27.70	−23 7.5	1.663	2.588	11.1	20.2
9 18	21 22.88	−23 23.1	1.738	2.589	14.5	20.4
184620 Pippobattaglia			8 16.6 260°.90		1°.3/17.9 18	
7 10	22 5.60	− 5 57.1	2.212	3.030	13.4	20.2
7 20	22 2.15	− 6 33.5	2.121	3.023	10.6	20.0
7 30	21 56.93	− 7 24.5	2.053	3.017	7.3	19.8
8 9	21 50.38	− 8 27.5	2.009	3.010	3.7	19.6
8 19	21 43.13	− 9 38.1	1.993	3.004	1.4	19.4
8 29	21 35.96	−10 50.9	2.006	2.997	4.5	19.6
9 8	21 29.67	−12 0.3	2.046	2.990	8.1	19.8
9 18	21 24.90	−13 1.8	2.110	2.984	11.4	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
260499 2005 EU_{17}			8 16.6 95°.66		2°.7/15.1 17	
	h m	° ′			°	m
7 10	22 15.84	−18 13.9	1.467	2.325	17.0	20.9
7 20	22 10.79	−18 38.5	1.405	2.335	13.0	20.6
7 30	22 2.93	−19 9.6	1.365	2.344	8.6	20.4
8 9	21 53.06	−19 41.0	1.347	2.353	4.1	20.2
8 19	21 42.32	−20 6.3	1.355	2.362	3.3	20.2
8 29	21 32.08	−20 20.1	1.389	2.371	7.5	20.4
9 8	21 23.62	−20 19.9	1.447	2.379	11.8	20.7
9 18	21 17.78	−20 5.5	1.527	2.388	15.6	21.0
140201 2001 SP_{224}			8 16.6 265°.06		4°.0/13.3 18	
7 10	22 11.03	−23 4.2	2.048	2.903	13.0	20.0
7 20	22 6.54	−23 46.5	1.973	2.899	10.0	19.8
7 30	21 59.90	−24 31.0	1.921	2.896	6.9	19.6
8 9	21 51.70	−25 12.0	1.894	2.892	4.3	19.5
8 19	21 42.75	−25 43.9	1.894	2.889	4.6	19.5
8 29	21 34.03	−26 2.2	1.921	2.885	7.3	19.7
9 8	21 26.50	−26 5.0	1.973	2.881	10.5	19.8
9 18	21 20.90	−25 52.2	2.048	2.878	13.4	20.0
361513 2007 ER_{202}			8 16.6 165°.14		6°.6/ 8.9 18	
7 10	22 13.64	−37 4.1	2.903	3.734	10.2	21.5
7 20	22 8.05	−38 5.0	2.845	3.739	8.5	21.4
7 30	22 0.63	−38 59.2	2.811	3.743	7.1	21.3
8 9	21 51.95	−39 41.5	2.804	3.747	6.6	21.3
8 19	21 42.70	−40 7.5	2.823	3.750	7.1	21.3
8 29	21 33.72	−40 14.6	2.868	3.753	8.5	21.4
9 8	21 25.81	−40 2.8	2.938	3.755	10.2	21.6
9 18	21 19.58	−39 33.8	3.029	3.757	11.8	21.7
366791 2004 VQ_{46}			8 16.6 247°.25		9°.6/28.8 18	
7 10	22 5.98	+22 0.8	2.852	3.470	14.7	21.2
7 20	22 2.22	+22 46.2	2.750	3.459	13.6	21.1
7 30	21 56.88	+23 11.3	2.663	3.447	12.2	20.9
8 9	21 50.36	+23 13.4	2.595	3.435	10.9	20.8
8 19	21 43.17	+22 50.7	2.549	3.422	9.9	20.7
8 29	21 35.97	+22 4.0	2.527	3.410	9.6	20.7
9 8	21 29.44	+20 56.2	2.528	3.397	10.0	20.7
9 18	21 24.19	+19 32.4	2.553	3.384	11.0	20.8
474550 2003 WB_{171}			8 16.6 308°.99		6°.5/21.9 17	
7 10	22 3.89	+ 4 53.1	1.667	2.458	18.1	21.0
7 20	22 1.63	+ 4 58.8	1.561	2.431	15.5	20.7
7 30	21 57.08	+ 4 39.0	1.473	2.405	12.3	20.5
8 9	21 50.65	+ 3 51.7	1.406	2.378	9.0	20.2
8 19	21 43.05	+ 2 37.8	1.361	2.352	6.7	20.0
8 29	21 35.31	+ 1 2.1	1.342	2.326	7.4	20.0
9 8	21 28.58	− 0 46.8	1.347	2.300	10.7	20.1
9 18	21 23.83	− 2 38.8	1.376	2.275	14.6	20.3
477585 2010 JJ_{46}			8 16.6 122°.17		3°.7/20.4 16	
7 10	22 7.07	+ 0 49.8	2.110	2.898	14.9	21.6
7 20	22 3.26	+ 0 28.7	2.031	2.906	12.2	21.4
7 30	21 57.63	− 0 11.1	1.972	2.914	9.1	21.2
8 9	21 50.68	− 1 8.0	1.938	2.922	5.8	21.0
8 19	21 43.10	− 2 18.7	1.930	2.930	3.7	20.9
8 29	21 35.69	− 3 37.7	1.950	2.937	5.0	21.0
9 8	21 29.27	− 4 58.6	1.997	2.945	8.1	21.2
9 18	21 24.47	− 6 15.6	2.070	2.952	11.2	21.4
361496 2007 EH_{31}			8 16.6 149°.81		0°.8/15.8 18	
7 10	22 7.72	−13 57.0	2.644	3.475	11.1	22.1
7 20	22 3.40	−14 30.6	2.566	3.481	8.5	21.9
7 30	21 57.54	−15 11.1	2.513	3.487	5.5	21.8
8 9	21 50.59	−15 54.9	2.486	3.492	2.4	21.6
8 19	21 43.13	−16 38.3	2.488	3.497	1.3	21.5
8 29	21 35.83	−17 17.7	2.519	3.502	4.4	21.7
9 8	21 29.36	−17 49.9	2.577	3.507	7.4	21.9
9 18	21 24.26	−18 13.0	2.661	3.511	10.1	22.1
117521 2005 CU_{51}			8 16.6 135°.90		0°.2/16.7 18	
7 10	22 12.01	− 9 47.3	1.645	2.483	16.4	20.7
7 20	22 7.58	−10 24.4	1.576	2.492	12.7	20.5
7 30	22 0.73	−11 16.2	1.527	2.500	8.5	20.3
8 9	21 52.11	−12 18.2	1.503	2.508	3.8	20.0
8 19	21 42.65	−13 23.9	1.504	2.516	1.1	19.9
8 29	21 33.49	−14 26.5	1.533	2.523	5.9	20.2
9 8	21 25.74	−15 19.9	1.588	2.529	10.3	20.5
9 18	21 20.19	−16 0.4	1.665	2.535	14.1	20.7
264247 2010 VD_{129}			8 16.6 242°.23		0°.9/15.7 18	
7 10	22 7.55	−14 22.7	2.516	3.351	11.5	21.4
7 20	22 3.46	−14 54.2	2.425	3.342	8.8	21.2
7 30	21 57.71	−15 32.9	2.358	3.333	5.8	21.0
8 9	21 50.72	−16 15.4	2.317	3.323	2.5	20.8
8 19	21 43.09	−16 57.9	2.304	3.313	1.5	20.7
8 29	21 35.55	−17 36.3	2.320	3.303	4.7	20.9
9 8	21 28.83	−18 7.2	2.363	3.293	8.0	21.1
9 18	21 23.53	−18 28.5	2.431	3.282	10.8	21.3

150958 2001 TR_{142} 8 16.6 119°.30 6°.2/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 15.47	−27 11.2	1.724	2.583	14.8	20.2
7 20	22 10.31	−28 14.1	1.666	2.591	11.6	20.0
7 30	22 2.54	−29 15.9	1.631	2.599	8.5	19.8
8 9	21 52.89	−30 8.4	1.620	2.607	6.4	19.7
8 19	21 42.44	−30 44.3	1.634	2.615	6.9	19.8
8 29	21 32.45	−30 58.9	1.675	2.623	9.5	19.9
9 8	21 24.09	−30 51.2	1.739	2.630	12.6	20.1
9 18	21 18.18	−30 23.4	1.824	2.637	15.5	20.4

479548 2014 BG_{55} 8 16.6 224°.78 4°.6/12.2 18

7 10	22 9.60	−21 2.6	1.894	2.753	13.7	21.9
7 20	22 5.74	−22 34.6	1.818	2.748	10.5	21.7
7 30	21 59.58	−24 13.9	1.766	2.742	7.2	21.5
8 9	21 51.66	−25 52.4	1.739	2.736	4.8	21.3
8 19	21 42.79	−27 21.5	1.739	2.730	5.4	21.3
8 29	21 34.04	−28 33.7	1.767	2.724	8.4	21.5
9 8	21 26.48	−29 24.6	1.819	2.717	11.8	21.7
9 18	21 20.94	−29 53.1	1.893	2.710	14.9	21.9

272585 2005 VR_{46} 8 16.6 231°.49 3°.5/12.9 18

7 10	22 7.98	−21 54.8	2.477	3.326	11.2	20.9
7 20	22 3.89	−22 53.9	2.395	3.320	8.6	20.7
7 30	21 58.04	−23 56.5	2.338	3.313	5.9	20.5
8 9	21 50.88	−24 57.4	2.308	3.306	3.7	20.4
8 19	21 43.05	−25 51.5	2.306	3.299	4.1	20.4
8 29	21 35.34	−26 34.1	2.331	3.291	6.5	20.5
9 8	21 28.52	−27 2.4	2.383	3.284	9.3	20.7
9 18	21 23.23	−27 15.7	2.459	3.276	11.8	20.8

476009 2007 RN_{94} 8 16.6 332°.66 5°.3/13.4 18

7 10	22 9.11	−23 36.9	1.385	2.265	16.5	20.2
7 20	22 6.19	−24 14.1	1.307	2.247	13.0	19.9
7 30	22 0.31	−24 54.6	1.249	2.230	9.0	19.6
8 9	21 52.10	−25 30.5	1.214	2.214	5.8	19.4
8 19	21 42.66	−25 53.9	1.201	2.198	6.1	19.4
8 29	21 33.44	−25 58.2	1.213	2.184	9.7	19.6
9 8	21 25.87	−25 41.1	1.246	2.171	13.9	19.8
9 18	21 21.00	−25 3.3	1.300	2.159	17.9	20.0

73914 1997 GN_{40} 8 16.6 160°.13 5°.1/12.9 18

7 10	22 13.98	−23 15.1	1.645	2.506	15.3	19.1
7 20	22 9.32	−24 15.4	1.579	2.509	11.8	18.9
7 30	22 2.00	−25 18.9	1.535	2.511	8.2	18.7
8 9	21 52.72	−26 17.6	1.516	2.513	5.4	18.5
8 19	21 42.50	−27 3.9	1.522	2.514	5.8	18.6
8 29	21 32.65	−27 31.6	1.554	2.516	8.9	18.8
9 8	21 24.37	−27 38.5	1.610	2.517	12.5	19.0
9 18	21 18.53	−27 25.4	1.687	2.518	15.8	19.2

303188 2004 FL_{115} 8 16.6 21°.83 1°.6/17.4 17

7 10	22 9.92	− 9 45.8	0.969	1.847	22.1	20.0
7 20	22 7.27	− 9 34.4	0.915	1.852	17.4	19.8
7 30	22 1.16	− 9 41.8	0.877	1.858	11.8	19.5
8 9	21 52.47	−10 4.7	0.859	1.865	5.7	19.2
8 19	21 42.58	−10 37.1	0.861	1.872	1.9	19.0
8 29	21 33.27	−11 10.9	0.886	1.881	7.6	19.4
9 8	21 26.15	−11 39.0	0.931	1.891	13.3	19.7
9 18	21 22.22	−11 56.4	0.995	1.901	18.2	20.0

510695 2012 UF_{133} 8 16.6 305°.63 0°.7/17.0 18

7 10	22 12.10	−12 9.5	1.645	2.489	16.1	20.9
7 20	22 7.91	−11 54.4	1.554	2.474	12.7	20.7
7 30	22 1.16	−11 48.6	1.484	2.458	8.6	20.4
8 9	21 52.42	−11 49.6	1.438	2.443	4.0	20.1
8 19	21 42.57	−11 54.3	1.417	2.428	1.2	19.9
8 29	21 32.82	−11 58.8	1.422	2.413	6.0	20.1
9 8	21 24.38	−11 59.6	1.452	2.399	10.6	20.4
9 18	21 18.20	−11 54.1	1.505	2.385	14.7	20.6

510893 2013 CX_{174} 8 16.6 121°.18 0°.8/15.9 18

7 10	22 11.15	−15 19.1	2.391	3.224	12.1	21.4
7 20	22 6.13	−15 30.2	2.318	3.233	9.3	21.2
7 30	21 59.39	−15 46.7	2.267	3.241	6.1	21.0
8 9	21 51.43	−16 5.5	2.243	3.249	2.6	20.8
8 19	21 42.93	−16 23.2	2.248	3.258	1.4	20.7
8 29	21 34.68	−16 36.8	2.281	3.265	4.7	21.0
9 8	21 27.44	−16 43.9	2.341	3.273	7.9	21.2
9 18	21 21.79	−16 43.3	2.427	3.280	10.8	21.4

428646 2008 GR_{9} 8 16.6 167°.22 0°.1/16.6 17

7 10	22 11.98	−10 58.5	1.855	2.689	15.0	22.3
7 20	22 7.36	−11 30.4	1.779	2.693	11.6	22.1
7 30	22 0.51	−12 14.4	1.723	2.696	7.7	21.9
8 9	21 52.03	−13 6.5	1.693	2.699	3.4	21.6
8 19	21 42.73	−14 1.3	1.690	2.701	1.1	21.5
8 29	21 33.65	−14 52.9	1.715	2.703	5.5	21.8
9 8	21 25.81	−15 36.5	1.766	2.704	9.6	22.0
9 18	21 19.96	−16 8.8	1.841	2.705	13.2	22.3

477552 2010 FK_{87} 8 16.6 60°.28 0°.4/16.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 9.46	−10 22.9	1.739	2.580	15.5	21.5
7 20	22 5.44	−10 41.4	1.672	2.590	12.1	21.3
7 30	21 59.22	−11 12.1	1.627	2.600	8.0	21.1
8 9	21 51.43	−11 51.5	1.606	2.611	3.7	20.9
8 19	21 42.93	−12 34.5	1.610	2.622	1.0	20.7
8 29	21 34.75	−13 15.9	1.642	2.633	5.4	21.0
9 8	21 27.87	−13 50.9	1.699	2.644	9.5	21.3
9 18	21 23.00	−14 16.4	1.780	2.655	13.1	21.5

292124 2006 RJ_{71} 8 16.6 51°.64 0°.7/17.2 18

7 10	22 8.02	− 9 29.2	1.956	2.790	14.3	21.0
7 20	22 4.18	− 9 49.5	1.879	2.792	11.2	20.8
7 30	21 58.34	−10 21.9	1.824	2.795	7.5	20.6
8 9	21 51.05	−11 3.2	1.793	2.797	3.5	20.3
8 19	21 43.04	−11 49.2	1.788	2.800	1.0	20.2
8 29	21 35.24	−12 34.8	1.811	2.802	5.0	20.4
9 8	21 28.53	−13 15.3	1.861	2.805	8.8	20.7
9 18	21 23.60	−13 47.4	1.934	2.808	12.2	20.9

209955 2006 FA_{45} 8 16.6 117°.67 1°.4/15.7 17

7 10	22 14.63	−14 22.3	1.449	2.302	17.4	20.9
7 20	22 9.91	−14 53.6	1.385	2.312	13.4	20.7
7 30	22 2.42	−15 36.1	1.342	2.321	8.8	20.5
8 9	21 52.91	−16 24.0	1.322	2.330	3.8	20.2
8 19	21 42.47	−17 10.3	1.328	2.338	2.2	20.1
8 29	21 32.48	−17 48.2	1.360	2.346	7.0	20.4
9 8	21 24.18	−18 13.4	1.416	2.354	11.6	20.7
9 18	21 18.46	−18 23.9	1.494	2.361	15.5	21.0

290251 2005 SA_{108} 8 16.6 48°.13 1°.1/17.9 18

7 10	22 3.88	− 7 37.2	2.932	3.745	10.6	21.0
7 20	22 0.30	− 7 51.0	2.852	3.751	8.3	20.8
7 30	21 55.44	− 8 13.5	2.795	3.758	5.7	20.7
8 9	21 49.67	− 8 43.0	2.765	3.765	2.9	20.5
8 19	21 43.48	− 9 16.9	2.762	3.772	1.2	20.4
8 29	21 37.43	− 9 52.2	2.789	3.779	3.5	20.5
9 8	21 32.06	−10 26.1	2.843	3.787	6.2	20.7
9 18	21 27.83	−10 55.8	2.924	3.794	8.7	20.9

208009 1998 SH_{42} 8 16.6 302°.89 2°.4/18.6 18

7 10	22 5.75	− 4 19.0	1.735	2.562	16.1	20.3
7 20	22 3.04	− 4 41.6	1.625	2.531	13.1	20.0
7 30	21 58.02	− 5 24.3	1.536	2.500	9.4	19.7
8 9	21 51.10	− 6 25.8	1.469	2.468	5.2	19.4
8 19	21 42.98	− 7 42.1	1.428	2.437	2.4	19.2
8 29	21 34.68	− 9 6.6	1.413	2.406	5.7	19.3
9 8	21 27.36	−10 31.3	1.424	2.375	10.3	19.5
9 18	21 21.98	−11 48.7	1.458	2.345	14.7	19.7

251487 2008 EY_{7} 8 16.6 151°.08 2°.5/14.7 18

7 10	22 13.51	−20 48.4	2.375	3.214	11.9	20.3
7 20	22 8.02	−21 3.4	2.300	3.218	9.2	20.2
7 30	22 0.66	−21 20.2	2.248	3.222	6.1	20.0
8 9	21 52.01	−21 35.0	2.223	3.226	3.2	19.8
8 19	21 42.77	−21 44.1	2.226	3.229	2.9	19.8
8 29	21 33.81	−21 44.6	2.259	3.233	5.7	20.0
9 8	21 25.95	−21 35.0	2.318	3.236	8.7	20.2
9 18	21 19.79	−21 15.3	2.402	3.238	11.5	20.4

35261 1996 JX_{5} 8 16.6 207°.46 3°.8/19.4 18

7 10	22 10.26	− 2 7.8	1.515	2.334	18.4	19.5
7 20	22 6.55	− 2 13.1	1.435	2.333	15.0	19.3
7 30	22 0.28	− 2 40.2	1.374	2.330	10.9	19.0
8 9	21 52.03	− 3 27.7	1.335	2.328	6.6	18.8
8 19	21 42.73	− 4 31.6	1.320	2.325	3.8	18.6
8 29	21 33.59	− 5 45.2	1.331	2.323	6.3	18.7
9 8	21 25.83	− 7 0.0	1.367	2.319	10.6	19.0
9 18	21 20.37	− 8 8.8	1.426	2.316	14.8	19.2

76950 2001 BU_{26} 8 16.6 185°.30 0°.5/16.3 18

7 10	22 9.98	−10 24.7	1.586	2.432	16.5	19.6
7 20	22 6.24	−11 15.2	1.510	2.432	12.8	19.4
7 30	22 0.00	−12 21.9	1.456	2.432	8.5	19.1
8 9	21 51.88	−13 39.6	1.425	2.431	3.7	18.8
8 19	21 42.79	−15 0.7	1.420	2.431	1.4	18.7
8 29	21 33.90	−16 17.2	1.441	2.430	6.3	19.0
9 8	21 26.37	−17 21.9	1.488	2.429	10.9	19.3
9 18	21 21.08	−18 10.8	1.558	2.427	14.9	19.5

511184 2013 YC_{108} 8 16.6 295°.05 1°.8/15.4 18

7 10	22 10.45	−15 31.6	1.518	2.379	16.4	21.9
7 20	22 6.95	−15 59.9	1.430	2.361	12.8	21.6
7 30	22 0.71	−16 39.1	1.363	2.343	8.5	21.3
8 9	21 52.30	−17 24.0	1.318	2.325	3.8	21.0
8 19	21 42.65	−18 7.9	1.298	2.307	2.6	20.9
8 29	21 33.05	−18 44.1	1.304	2.290	7.3	21.1
9 8	21 24.84	−19 7.3	1.334	2.272	12.1	21.3
9 18	21 19.07	−19 15.0	1.385	2.255	16.3	21.6

222466 2001 RP_{103} 8 16.6 354°.48 6°.4/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 12.36	−25 31.4	1.231	2.114	18.0	19.3
7 20	22 8.89	−26 10.2	1.169	2.110	14.1	19.1
7 30	22 2.12	−26 49.5	1.127	2.106	10.0	18.8
8 9	21 52.89	−27 20.0	1.106	2.104	6.8	18.6
8 19	21 42.51	−27 33.2	1.108	2.102	7.2	18.7
8 29	21 32.65	−27 23.6	1.133	2.101	10.6	18.9
9 8	21 24.84	−26 50.4	1.179	2.102	14.8	19.1
9 18	21 20.07	−25 56.5	1.245	2.103	18.6	19.3

254583 2005 GZ_{44} 8 16.6 283°.82 1°.4/17.6 18

7 10	22 9.86	− 8 8.0	1.448	2.293	17.8	21.2
7 20	22 6.49	− 8 18.7	1.363	2.281	14.2	21.0
7 30	22 0.40	− 8 46.7	1.297	2.269	9.8	20.7
8 9	21 52.16	− 9 29.3	1.254	2.258	4.8	20.4
8 19	21 42.70	−10 21.4	1.235	2.246	1.6	20.1
8 29	21 33.33	−11 16.2	1.241	2.234	6.4	20.4
9 8	21 25.36	−12 6.4	1.272	2.222	11.4	20.7
9 18	21 19.83	−12 46.7	1.324	2.211	15.9	20.9

521838 2015 TE_{371} 8 16.6 291°.91 2°.9/13.9 17

7 10	22 8.41	−20 24.9	2.274	3.124	12.0	21.9
7 20	22 4.42	−21 2.5	2.183	3.108	9.3	21.7
7 30	21 58.51	−21 44.1	2.116	3.092	6.2	21.5
8 9	21 51.16	−22 25.4	2.074	3.076	3.5	21.3
8 19	21 43.04	−23 1.3	2.060	3.060	3.5	21.2
8 29	21 35.01	−23 27.5	2.073	3.044	6.3	21.4
9 8	21 27.92	−23 41.1	2.112	3.028	9.5	21.6
9 18	21 22.49	−23 41.2	2.175	3.012	12.5	21.7

72346 2001 BG_{69} 8 16.6 256°.27 1°.2/15.4 18

7 10	22 7.00	−11 33.9	1.894	2.737	14.3	19.4
7 20	22 3.64	−12 47.0	1.809	2.730	11.1	19.2
7 30	21 58.16	−14 15.0	1.746	2.723	7.2	18.9
8 9	21 51.06	−15 52.3	1.709	2.716	3.1	18.6
8 19	21 43.07	−17 31.4	1.700	2.709	2.0	18.6
8 29	21 35.15	−19 4.4	1.718	2.702	6.1	18.8
9 8	21 28.30	−20 24.3	1.763	2.694	10.1	19.0
9 18	21 23.29	−21 27.1	1.831	2.687	13.7	19.2

285225 1997 NG_{4} 8 16.6 245°.75 1°.5/17.9 18

7 10	22 9.39	− 8 28.9	2.475	3.288	12.3	20.7
7 20	22 4.83	− 8 19.2	2.384	3.284	9.7	20.5
7 30	21 58.59	− 8 18.2	2.317	3.280	6.7	20.3
8 9	21 51.14	− 8 24.6	2.275	3.275	3.5	20.1
8 19	21 43.07	− 8 36.0	2.262	3.271	1.5	19.9
8 29	21 35.12	− 8 50.0	2.277	3.267	4.2	20.1
9 8	21 28.04	− 9 3.6	2.319	3.262	7.4	20.3
9 18	21 22.40	− 9 14.3	2.388	3.258	10.3	20.5

352228 2007 TF_{67} 8 16.6 290°.09 5°.7/21.0 18

7 10	22 7.55	+ 2 26.0	1.932	2.717	16.2	20.6
7 20	22 4.14	+ 2 48.5	1.824	2.693	13.7	20.3
7 30	21 58.58	+ 2 52.4	1.736	2.668	10.7	20.1
8 9	21 51.30	+ 2 36.4	1.669	2.643	7.7	19.9
8 19	21 42.97	+ 2 1.1	1.628	2.618	5.8	19.7
8 29	21 34.54	+ 1 9.4	1.612	2.593	6.7	19.7
9 8	21 27.01	+ 0 7.2	1.623	2.568	9.7	19.8
9 18	21 21.25	− 0 59.3	1.656	2.544	13.2	20.0

246510 2008 CE_{102} 8 16.6 27°.48 0°.8/17.4 18

7 10	22 5.06	− 6 56.4	1.857	2.691	15.0	20.7
7 20	22 2.02	− 7 45.6	1.782	2.695	11.7	20.5
7 30	21 56.99	− 8 51.4	1.729	2.699	7.9	20.3
8 9	21 50.49	−10 9.7	1.700	2.704	3.8	20.1
8 19	21 43.27	−11 34.5	1.697	2.709	1.1	19.9
8 29	21 36.24	−12 58.7	1.722	2.714	5.1	20.2
9 8	21 30.29	−14 15.6	1.774	2.719	9.1	20.4
9 18	21 26.13	−15 20.4	1.849	2.725	12.6	20.7

218195 2002 TD_{99} 8 16.6 56°.44 0°.2/16.8 17

7 10	22 13.81	−12 3.5	1.325	2.180	18.6	20.2
7 20	22 9.33	−12 5.3	1.270	2.196	14.4	19.9
7 30	22 2.02	−12 19.6	1.234	2.211	9.6	19.7
8 9	21 52.72	−12 42.3	1.221	2.227	4.3	19.5
8 19	21 42.61	−13 8.0	1.232	2.243	1.2	19.3
8 29	21 33.07	−13 30.9	1.268	2.260	6.5	19.7
9 8	21 25.36	−13 46.6	1.329	2.276	11.3	20.0
9 18	21 20.30	−13 52.6	1.411	2.293	15.3	20.3

513940 2014 DP_{87} 8 16.6 251°.96 2°.9/19.4 18

7 10	22 6.31	− 1 13.9	1.941	2.746	15.5	21.4
7 20	22 3.00	− 1 50.4	1.850	2.739	12.5	21.2
7 30	21 57.68	− 2 47.4	1.779	2.732	9.1	20.9
8 9	21 50.83	− 4 2.9	1.732	2.725	5.4	20.7
8 19	21 43.15	− 5 32.4	1.712	2.718	2.9	20.5
8 29	21 35.53	− 7 9.0	1.719	2.711	5.1	20.7
9 8	21 28.91	− 8 45.2	1.754	2.703	8.9	20.9
9 18	21 24.02	−10 14.0	1.813	2.696	12.5	21.1

157445 2004 VG_{22} 8 16.6 356°.78 3°.0/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 59.53	− 6 13.6	1.036	1.915	20.9	18.7
7 20	21 59.10	− 6 3.1	0.971	1.907	16.8	18.4
7 30	21 55.76	− 6 15.5	0.923	1.901	11.9	18.1
8 9	21 50.15	− 6 49.0	0.894	1.897	6.5	17.8
8 19	21 43.36	− 7 38.6	0.885	1.895	3.1	17.6
8 29	21 36.86	− 8 36.1	0.898	1.895	7.0	17.9
9 8	21 32.08	− 9 31.9	0.932	1.898	12.3	18.2
9 18	21 30.00	−10 18.2	0.984	1.902	17.2	18.5

398490 2011 UU_{157} 8 16.6 285°.59 2°.1/18.3 18

7 10	22 7.96	− 6 7.3	1.949	2.771	14.8	21.4
7 20	22 4.24	− 6 13.0	1.861	2.764	11.8	21.2
7 30	21 58.47	− 6 32.8	1.794	2.757	8.3	20.9
8 9	21 51.17	− 7 4.8	1.751	2.751	4.5	20.7
8 19	21 43.06	− 7 45.9	1.735	2.744	2.1	20.5
8 29	21 35.06	− 8 31.2	1.746	2.737	5.0	20.7
9 8	21 28.10	− 9 15.8	1.783	2.731	8.9	20.9
9 18	21 22.91	− 9 55.2	1.844	2.724	12.4	21.1

253640 2003 UV_{114} 8 16.7 261°.75 0°.4/16.4 18

7 10	22 11.52	−12 0.0	1.549	2.398	16.7	21.5
7 20	22 7.64	−12 23.7	1.464	2.387	13.1	21.3
7 30	22 1.09	−13 1.0	1.399	2.376	8.7	21.0
8 9	21 52.46	−13 47.5	1.358	2.364	3.8	20.7
8 19	21 42.67	−14 37.5	1.342	2.353	1.4	20.5
8 29	21 32.99	−15 24.0	1.352	2.341	6.5	20.8
9 8	21 24.70	−16 1.2	1.387	2.329	11.3	21.0
9 18	21 18.77	−16 25.6	1.443	2.317	15.6	21.3

381719 2009 QQ_{46} 8 16.7 322°.16 0°.2/16.6 18

7 10	22 7.07	−12 9.8	1.253	2.124	18.5	21.0
7 20	22 4.81	−12 19.4	1.169	2.104	14.6	20.7
7 30	21 59.57	−12 44.0	1.103	2.084	9.8	20.3
8 9	21 51.91	−13 19.8	1.058	2.066	4.4	20.0
8 19	21 42.83	−14 0.9	1.036	2.048	1.4	19.7
8 29	21 33.79	−14 39.7	1.038	2.030	7.3	20.1
9 8	21 26.30	−15 9.4	1.061	2.014	12.8	20.3
9 18	21 21.53	−15 25.8	1.105	1.999	17.7	20.5

310573 2001 ST_{228} 8 16.7 320°.77 3°.7/14.7 18

7 10	22 7.52	−17 59.5	1.044	1.937	19.7	20.1
7 20	22 5.84	−18 31.9	0.966	1.914	15.4	19.8
7 30	22 0.65	−19 16.5	0.905	1.892	10.4	19.4
8 9	21 52.52	−20 6.1	0.864	1.871	5.2	19.1
8 19	21 42.62	−20 50.6	0.844	1.851	4.6	19.0
8 29	21 32.76	−21 20.3	0.845	1.832	10.0	19.2
9 8	21 24.82	−21 28.7	0.867	1.814	15.8	19.4
9 18	21 20.18	−21 14.1	0.905	1.797	20.9	19.7

342274 2008 TZ_{7} 8 16.7 241°.31 1°.6/18.1 18

7 10	22 8.73	− 6 4.3	2.013	2.831	14.5	21.4
7 20	22 4.84	− 6 27.5	1.919	2.821	11.6	21.2
7 30	21 58.90	− 7 5.9	1.846	2.810	8.1	20.9
8 9	21 51.39	− 7 57.2	1.798	2.798	4.2	20.7
8 19	21 43.02	− 8 57.3	1.777	2.787	1.7	20.5
8 29	21 34.70	−10 0.7	1.783	2.775	5.0	20.7
9 8	21 27.37	−11 1.7	1.817	2.762	8.9	20.9
9 18	21 21.77	−11 55.5	1.875	2.750	12.5	21.1

399912 2005 XG_{75} 8 16.7 124°.56 3°.8/20.4 18

7 10	22 9.40	+ 0 1.2	2.739	3.508	12.3	21.0
7 20	22 4.58	+ 0 24.1	2.658	3.519	10.1	20.9
7 30	21 58.30	+ 0 34.8	2.599	3.530	7.6	20.8
8 9	21 50.98	+ 0 33.8	2.565	3.541	5.2	20.6
8 19	21 43.18	+ 0 22.0	2.559	3.551	3.8	20.5
8 29	21 35.54	+ 0 1.7	2.582	3.561	4.6	20.6
9 8	21 28.70	− 0 24.0	2.633	3.571	6.9	20.8
9 18	21 23.17	− 0 51.8	2.710	3.581	9.2	20.9

65724 1993 FV_{46} 8 16.7 148°.06 2°.0/18.6 18

7 10	22 6.83	− 4 45.5	2.279	3.088	13.3	20.2
7 20	22 3.00	− 5 6.4	2.196	3.091	10.6	20.0
7 30	21 57.46	− 5 41.2	2.135	3.094	7.5	19.8
8 9	21 50.68	− 6 27.5	2.099	3.097	4.1	19.6
8 19	21 43.28	− 7 21.9	2.091	3.099	2.0	19.5
8 29	21 36.02	− 8 19.9	2.111	3.102	4.4	19.7
9 8	21 29.66	− 9 16.7	2.158	3.104	7.7	19.9
9 18	21 24.81	−10 8.0	2.230	3.106	10.7	20.1

36530 2000 QA_{83} 8 16.7 274°.23 0°.7/16.2 18

7 10	22 12.18	−13 58.0	1.774	2.618	15.1	19.4
7 20	22 7.85	−14 8.9	1.682	2.603	11.8	19.1
7 30	22 1.09	−14 29.0	1.611	2.587	7.9	18.9
8 9	21 52.43	−14 54.7	1.565	2.571	3.5	18.6
8 19	21 42.72	−15 21.3	1.544	2.555	1.5	18.4
8 29	21 33.09	−15 43.8	1.551	2.539	6.1	18.7
9 8	21 24.67	−15 58.4	1.584	2.523	10.5	18.9
9 18	21 18.38	−16 2.7	1.639	2.507	14.4	19.1

49960 1999 XN_{225} 8 16.7 235°.65 2°.6/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 11.10	−16 20.9	1.654	2.510	15.5	19.6
7 20	22 7.14	−17 14.8	1.575	2.504	11.9	19.4
7 30	22 0.66	−18 19.1	1.518	2.498	7.9	19.2
8 9	21 52.24	−19 27.6	1.486	2.491	3.8	18.9
8 19	21 42.79	−20 32.6	1.479	2.485	3.3	18.9
8 29	21 33.51	−21 26.9	1.499	2.478	7.3	19.1
9 8	21 25.59	−22 5.3	1.543	2.471	11.5	19.3
9 18	21 19.93	−22 25.8	1.610	2.464	15.3	19.5

457760 2009 HN_{105} 8 16.7 81°.62 2°.1/18.4 17

7 10	22 10.33	− 3 33.2	1.430	2.260	18.8	21.2
7 20	22 6.47	− 4 19.1	1.373	2.280	14.9	21.0
7 30	22 0.09	− 5 27.7	1.334	2.299	10.3	20.8
8 9	21 51.90	− 6 54.6	1.319	2.319	5.4	20.6
8 19	21 42.93	− 8 32.0	1.328	2.338	2.2	20.4
8 29	21 34.39	−10 10.4	1.364	2.357	5.9	20.7
9 8	21 27.41	−11 40.8	1.426	2.376	10.4	21.0
9 18	21 22.78	−12 56.9	1.510	2.395	14.4	21.3

251857 1999 UT_{31} 8 16.7 279°.69 0°.1/16.7 18

7 10	22 7.32	−11 18.7	2.288	3.120	12.6	21.7
7 20	22 3.51	−11 39.3	2.193	3.106	9.8	21.5
7 30	21 57.89	−12 9.6	2.120	3.092	6.6	21.3
8 9	21 50.91	−12 46.6	2.073	3.078	2.9	21.0
8 19	21 43.20	−13 26.7	2.053	3.065	0.9	20.8
8 29	21 35.55	−14 5.7	2.062	3.051	4.7	21.1
9 8	21 28.77	−14 39.5	2.097	3.037	8.3	21.3
9 18	21 23.52	−15 5.3	2.157	3.023	11.5	21.5

178484 1999 TT_{61} 8 16.7 2°.51 2°.6/15.3 17

7 10	22 6.92	−16 41.5	1.025	1.917	20.0	19.3
7 20	22 4.98	−17 3.0	0.967	1.915	15.5	19.0
7 30	21 59.71	−17 36.0	0.927	1.914	10.2	18.7
8 9	21 51.92	−18 13.3	0.907	1.915	4.7	18.4
8 19	21 42.91	−18 46.6	0.908	1.917	3.4	18.3
8 29	21 34.39	−19 8.1	0.931	1.920	8.7	18.7
9 8	21 27.93	−19 13.0	0.975	1.925	14.0	19.0
9 18	21 24.53	−19 0.2	1.037	1.931	18.6	19.3

38950 2000 ST_{295} 8 16.7 299°.57 5°.8/19.9 18

7 10	22 10.67	− 1 20.0	1.394	2.216	19.6	17.7
7 20	22 7.21	− 0 38.5	1.310	2.206	16.2	17.5
7 30	22 0.95	− 0 16.7	1.244	2.196	12.3	17.2
8 9	21 52.46	− 0 16.0	1.199	2.186	8.2	17.0
8 19	21 42.72	− 0 35.4	1.177	2.177	5.8	16.8
8 29	21 33.04	− 1 11.2	1.180	2.167	7.6	16.9
9 8	21 24.82	− 1 56.5	1.206	2.158	11.7	17.1
9 18	21 19.10	− 2 44.1	1.253	2.149	15.9	17.3

333148 2012 BC_{12} 8 16.7 345°.15 1°.4/15.7 18

7 10	22 10.35	−16 40.9	1.874	2.725	14.2	20.2
7 20	22 6.15	−16 47.0	1.795	2.720	10.9	20.0
7 30	21 59.76	−16 59.0	1.738	2.716	7.2	19.8
8 9	21 51.76	−17 12.9	1.706	2.712	3.2	19.5
8 19	21 42.97	−17 24.8	1.699	2.709	2.0	19.5
8 29	21 34.42	−17 30.8	1.720	2.706	5.9	19.7
9 8	21 27.10	−17 28.2	1.767	2.703	9.7	19.9
9 18	21 21.75	−17 16.1	1.837	2.701	13.2	20.1

512178 2015 RL_{117} 8 16.7 332°.93 0°.7/17.4 18

7 10	22 3.27	− 6 20.3	1.945	2.777	14.4	20.7
7 20	22 0.68	− 7 18.8	1.857	2.768	11.4	20.5
7 30	21 56.17	− 8 35.2	1.790	2.760	7.7	20.2
8 9	21 50.20	−10 5.7	1.748	2.752	3.7	20.0
8 19	21 43.43	−11 44.3	1.733	2.745	1.0	19.7
8 29	21 36.74	−13 23.5	1.746	2.738	5.0	20.0
9 8	21 31.01	−14 55.7	1.786	2.731	9.1	20.2
9 18	21 26.95	−16 15.3	1.849	2.725	12.6	20.5

215628 2003 SP_{271} 8 16.7 334°.19 7°.7/11.8 18

7 10	22 3.26	−23 35.3	0.985	1.892	19.3	18.9
7 20	22 2.73	−24 52.2	0.915	1.870	15.3	18.6
7 30	21 58.66	−26 18.0	0.864	1.850	10.9	18.3
8 9	21 51.66	−27 40.8	0.831	1.831	7.9	18.1
8 19	21 42.95	−28 46.5	0.819	1.813	8.9	18.1
8 29	21 34.41	−29 23.1	0.827	1.798	13.2	18.2
9 8	21 27.93	−29 25.3	0.853	1.784	18.0	18.4
9 18	21 24.84	−28 54.0	0.895	1.772	22.5	18.7

20570 Molchan 8 16.7 28°.31 4°.2/18.9 18 R

7 10	22 11.17	− 4 53.0	1.230	2.074	20.4	17.1
7 20	22 7.63	− 4 18.7	1.167	2.080	16.5	16.9
7 30	22 1.14	− 4 3.6	1.121	2.086	11.9	16.7
8 9	21 52.47	− 4 7.3	1.097	2.093	7.1	16.4
8 19	21 42.76	− 4 27.1	1.095	2.101	4.2	16.3
8 29	21 33.45	− 4 57.6	1.116	2.109	7.0	16.5
9 8	21 25.93	− 5 31.9	1.161	2.117	11.6	16.8
9 18	21 21.11	− 6 3.9	1.227	2.126	15.9	17.0

181883 1999 RO_{21} 8 16.7 311°.54 15°.0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 36.71	−45 23.3	1.301	2.133	20.2	19.9
7 20	22 29.15	−46 9.6	1.225	2.108	18.0	19.7
7 30	22 16.35	−46 35.7	1.166	2.083	16.1	19.5
8 9	21 59.44	−46 24.9	1.126	2.058	15.1	19.4
8 19	21 40.64	−45 24.1	1.108	2.034	15.6	19.3
8 29	21 22.95	−43 29.1	1.111	2.011	17.7	19.4
9 8	21 8.89	−40 48.1	1.135	1.988	20.6	19.5
9 18	20 59.77	−37 35.8	1.178	1.967	23.6	19.6

171811 2001 DE_{87} 8 16.7 218°.35 3°.6/14.5 18

7 10	22 23.77	−23 30.4	2.072	2.902	13.7	20.6
7 20	22 16.46	−23 43.2	1.980	2.892	10.8	20.4
7 30	22 6.59	−23 56.0	1.911	2.880	7.4	20.1
8 9	21 54.80	−24 3.1	1.869	2.868	4.3	19.9
8 19	21 42.05	−23 59.9	1.856	2.855	4.1	19.9
8 29	21 29.54	−23 43.0	1.873	2.841	7.1	20.1
9 8	21 18.44	−23 11.7	1.917	2.826	10.7	20.2
9 18	21 9.63	−22 27.5	1.986	2.811	14.0	20.4

22629 1998 KF_{40} 8 16.7 195°.50 6°.4/22.5 18

7 10	22 8.90	+ 6 36.6	2.157	2.907	15.7	17.7
7 20	22 4.78	+ 6 56.8	2.066	2.906	13.4	17.6
7 30	21 58.76	+ 6 57.2	1.995	2.904	10.8	17.4
8 9	21 51.32	+ 6 36.9	1.946	2.901	8.2	17.2
8 19	21 43.11	+ 5 56.6	1.922	2.898	6.5	17.1
8 29	21 34.99	+ 4 59.5	1.925	2.895	6.8	17.1
9 8	21 27.81	+ 3 51.2	1.955	2.891	8.9	17.3
9 18	21 22.27	+ 2 37.9	2.009	2.887	11.6	17.4

258810 2002 NH_9 8 16.7 56°.86 6°.7/ 9.4 18

7 10	22 8.44	−29 52.6	2.138	2.998	12.3	19.6
7 20	22 4.60	−31 30.9	2.088	3.010	9.8	19.4
7 30	21 58.68	−33 6.8	2.061	3.021	7.6	19.3
8 9	21 51.26	−34 32.5	2.061	3.032	6.7	19.3
8 19	21 43.14	−35 41.1	2.086	3.044	7.5	19.4
8 29	21 35.30	−36 27.8	2.138	3.055	9.5	19.5
9 8	21 28.65	−36 51.3	2.213	3.067	11.8	19.7
9 18	21 23.88	−36 52.7	2.309	3.079	13.9	19.9

510153 2010 WQ_{30} 8 16.7 337°.21 1°.9/17.7 18

7 10	22 2.69	− 8 48.2	1.015	1.898	20.9	20.5
7 20	22 1.87	− 8 39.0	0.940	1.880	16.7	20.1
7 30	21 57.86	− 8 49.8	0.881	1.862	11.6	19.8
8 9	21 51.24	− 9 18.8	0.841	1.847	5.9	19.4
8 19	21 43.10	−10 1.1	0.821	1.832	2.1	19.1
8 29	21 35.06	−10 48.4	0.823	1.820	7.6	19.4
9 8	21 28.79	−11 31.7	0.845	1.809	13.5	19.7
9 18	21 25.53	−12 4.1	0.885	1.800	18.9	20.0

316123 2009 QT_{35} 8 16.7 321°.43 1°.9/15.2 18

7 10	22 10.61	−18 27.8	2.210	3.054	12.5	20.2
7 20	22 6.03	−18 41.4	2.129	3.051	9.6	20.0
7 30	21 59.52	−18 58.9	2.071	3.047	6.3	19.8
8 9	21 51.62	−19 16.7	2.038	3.044	3.0	19.6
8 19	21 43.05	−19 30.7	2.034	3.040	2.4	19.5
8 29	21 34.69	−19 37.8	2.057	3.037	5.6	19.7
9 8	21 27.39	−19 35.7	2.107	3.034	8.9	19.9
9 18	21 21.81	−19 23.6	2.181	3.031	11.9	20.1

420967 2013 PC_{15} 8 16.7 167°.88 0°.5/17.1 17

7 10	22 14.42	−10 17.3	2.117	2.935	13.9	22.3
7 20	22 8.96	−10 33.6	2.036	2.941	10.8	22.1
7 30	22 1.47	−11 0.1	1.978	2.946	7.3	21.9
8 9	21 52.49	−11 33.9	1.946	2.950	3.4	21.6
8 19	21 42.79	−12 11.0	1.942	2.954	0.9	21.4
8 29	21 33.31	−12 47.0	1.967	2.956	4.9	21.7
9 8	21 24.96	−13 17.9	2.020	2.958	8.6	22.0
9 18	21 18.42	−13 41.2	2.098	2.959	11.9	22.2

211229 2002 PX_{114} 8 16.7 167°.61 1°.2/17.9 16

7 10	22 8.14	− 6 12.8	2.304	3.116	13.1	21.3
7 20	22 4.01	− 6 48.2	2.220	3.119	10.3	21.2
7 30	21 58.14	− 7 37.1	2.159	3.122	7.1	21.0
8 9	21 51.01	− 8 36.6	2.124	3.125	3.6	20.8
8 19	21 43.24	− 9 42.6	2.117	3.127	1.3	20.6
8 29	21 35.61	−10 49.9	2.138	3.129	4.3	20.8
9 8	21 28.88	−11 53.5	2.188	3.130	7.8	21.0
9 18	21 23.67	−12 49.3	2.263	3.131	10.9	21.2

476735 2008 UL_{35} 8 16.7 276°.77 4°.1/13.7 18

7 10	22 12.33	−21 54.2	1.751	2.610	14.6	21.8
7 20	22 8.01	−22 37.2	1.673	2.602	11.3	21.6
7 30	22 1.19	−23 24.3	1.617	2.594	7.7	21.4
8 9	21 52.47	−24 8.9	1.585	2.585	4.6	21.2
8 19	21 42.79	−24 44.4	1.579	2.577	4.8	21.2
8 29	21 33.32	−25 5.2	1.599	2.568	8.0	21.3
9 8	21 25.23	−25 8.6	1.644	2.560	11.7	21.5
9 18	21 19.38	−24 54.6	1.711	2.552	15.1	21.7

61439 2000 QM_{22} 8 16.7 16°.67 2°.3/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 1.95	−13 2.5	0.858	1.762	21.8	18.5
7 20	22 1.41	−14 2.5	0.814	1.768	16.7	18.2
7 30	21 57.43	−15 22.9	0.787	1.777	10.9	17.9
8 9	21 50.93	−16 53.6	0.778	1.787	4.8	17.6
8 19	21 43.28	−18 21.7	0.789	1.799	3.4	17.6
8 29	21 36.24	−19 34.4	0.822	1.813	9.2	18.0
9 8	21 31.37	−20 23.5	0.874	1.828	14.7	18.3
9 18	21 29.60	−20 46.4	0.943	1.844	19.4	18.7

382986 2005 CM_{37} 8 16.7 140°.75 1°.4/15.3 17

7 10	22 8.62	−12 56.5	2.136	2.973	13.1	21.2
7 20	22 4.54	−14 5.6	2.063	2.981	10.1	21.0
7 30	21 58.57	−15 25.6	2.013	2.989	6.5	20.8
8 9	21 51.22	−16 51.1	1.989	2.996	2.9	20.6
8 19	21 43.18	−18 15.6	1.994	3.002	2.0	20.5
8 29	21 35.33	−19 32.8	2.028	3.009	5.6	20.8
9 8	21 28.50	−20 37.8	2.088	3.015	9.1	21.0
9 18	21 23.35	−21 27.7	2.174	3.020	12.1	21.2

255431 2005 XC_{79} 8 16.7 278°.67 2°.7/18.7 17

7 10	22 11.05	− 5 42.4	2.354	3.156	13.2	20.7
7 20	22 6.36	− 5 16.1	2.248	3.137	10.6	20.5
7 30	21 59.80	− 4 59.5	2.164	3.118	7.7	20.3
8 9	21 51.80	− 4 52.3	2.106	3.099	4.6	20.1
8 19	21 43.00	− 4 53.1	2.075	3.080	2.7	19.9
8 29	21 34.20	− 4 59.9	2.073	3.061	4.8	20.0
9 8	21 26.23	− 5 9.8	2.099	3.042	8.0	20.2
9 18	21 19.80	− 5 19.8	2.149	3.022	11.2	20.4

327594 2006 DM_{189} 8 16.7 302°.70 6°.2/23.9 18

7 10	22 3.68	+10 9.1	2.266	3.001	15.5	20.6
7 20	22 0.84	+ 9 45.0	2.151	2.978	13.4	20.4
7 30	21 56.24	+ 8 56.1	2.055	2.955	11.0	20.2
8 9	21 50.26	+ 7 41.1	1.981	2.931	8.4	20.0
8 19	21 43.46	+ 6 1.5	1.933	2.908	6.5	19.8
8 29	21 36.61	+ 4 1.9	1.912	2.886	6.5	19.8
9 8	21 30.52	+ 1 49.9	1.919	2.863	8.6	19.9
9 18	21 25.88	− 0 25.8	1.953	2.840	11.5	20.0

80677 2000 BN_{25} 8 16.7 209°.88 0°.1/16.7 18

7 10	22 11.73	−10 52.2	1.840	2.675	15.0	20.8
7 20	22 7.32	−11 20.7	1.756	2.670	11.7	20.6
7 30	22 0.63	−12 1.7	1.692	2.665	7.9	20.3
8 9	21 52.22	−12 51.5	1.654	2.660	3.5	20.1
8 19	21 42.89	−13 44.8	1.642	2.654	1.1	19.9
8 29	21 33.69	−14 35.7	1.659	2.647	5.6	20.2
9 8	21 25.68	−15 19.1	1.701	2.641	9.8	20.4
9 18	21 19.68	−15 51.5	1.767	2.633	13.5	20.6

496819 1994 XE 8 16.7 234°.22 2°.4/14.7 17

7 10	22 13.31	−15 36.8	1.870	2.713	14.5	22.3
7 20	22 8.74	−16 38.2	1.777	2.698	11.2	22.1
7 30	22 1.72	−17 51.1	1.705	2.682	7.4	21.8
8 9	21 52.77	−19 9.6	1.659	2.665	3.5	21.6
8 19	21 42.70	−20 26.3	1.641	2.647	3.1	21.5
8 29	21 32.60	−21 33.7	1.650	2.628	7.0	21.7
9 8	21 23.64	−22 26.1	1.686	2.608	11.1	21.9
9 18	21 16.75	−23 0.8	1.745	2.587	14.8	22.1

509464 2007 RE_{128} 8 16.7 345°.46 5°.3/13.2 18

7 10	22 12.61	−24 56.4	1.622	2.488	15.2	20.9
7 20	22 8.37	−25 35.4	1.553	2.484	11.9	20.7
7 30	22 1.46	−26 15.2	1.505	2.481	8.4	20.4
8 9	21 52.59	−26 48.6	1.481	2.478	5.6	20.3
8 19	21 42.79	−27 8.8	1.482	2.475	5.9	20.3
8 29	21 33.36	−27 11.0	1.509	2.473	8.9	20.5
9 8	21 25.49	−26 53.8	1.559	2.471	12.5	20.7
9 18	21 20.07	−26 18.6	1.630	2.470	15.8	20.9

87727 2000 SA_{47} 8 16.7 305°.64 5°.9/21.7 18

7 10	22 7.30	+ 3 57.4	2.080	2.852	15.6	19.4
7 20	22 3.63	+ 4 27.1	1.990	2.846	13.2	19.2
7 30	21 58.06	+ 4 38.8	1.919	2.841	10.4	19.0
8 9	21 51.04	+ 4 31.6	1.871	2.835	7.7	18.9
8 19	21 43.26	+ 4 6.1	1.847	2.830	6.0	18.8
8 29	21 35.55	+ 3 25.2	1.850	2.825	6.6	18.8
9 8	21 28.78	+ 2 33.7	1.879	2.820	8.9	18.9
9 18	21 23.65	+ 1 37.3	1.932	2.815	11.8	19.1

198555 2004 XU_{144} 8 16.7 288°.17 1°.9/18.2 18

7 10	22 8.14	− 6 7.4	1.799	2.626	15.6	20.0
7 20	22 4.80	− 6 22.6	1.694	2.601	12.6	19.8
7 30	21 59.17	− 6 54.4	1.610	2.575	8.9	19.5
8 9	21 51.67	− 7 41.3	1.549	2.549	4.7	19.2
8 19	21 43.03	− 8 39.4	1.513	2.523	2.0	18.9
8 29	21 34.29	− 9 43.0	1.505	2.497	5.6	19.1
9 8	21 26.55	−10 45.2	1.522	2.471	10.0	19.3
9 18	21 20.74	−11 40.5	1.562	2.444	14.2	19.5

4410 Kamuimintara 8 16.7 320°.11 6°.0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 10.37	−28 21.1	2.016	2.876	12.9	16.6
7 20	22 6.26	−29 19.6	1.944	2.868	10.3	16.4
7 30	21 59.89	−30 16.9	1.895	2.862	7.7	16.2
8 9	21 51.86	−31 6.2	1.871	2.855	6.1	16.1
8 19	21 43.02	−31 41.2	1.873	2.848	6.7	16.1
8 29	21 34.41	−31 57.2	1.900	2.842	9.0	16.3
9 8	21 27.06	−31 52.8	1.952	2.836	11.8	16.4
9 18	21 21.73	−31 29.1	2.025	2.830	14.4	16.6

263497 2008 EW_{105} 8 16.7 357°.28 0°.1/16.6 18

7 10	22 5.09	− 9 21.9	1.923	2.763	14.3	20.5
7 20	22 2.07	−10 15.8	1.844	2.762	11.1	20.3
7 30	21 57.07	−11 24.3	1.787	2.761	7.4	20.1
8 9	21 50.61	−12 43.0	1.754	2.760	3.3	19.8
8 19	21 43.40	−14 5.9	1.749	2.760	1.0	19.7
8 29	21 36.33	−15 26.0	1.771	2.760	5.3	20.0
9 8	21 30.31	−16 37.1	1.819	2.760	9.2	20.2
9 18	21 26.01	−17 35.0	1.891	2.761	12.7	20.4

41251 1999 XD_{41} 8 16.7 32°.38 2°.6/18.9 18

7 10	22 7.27	− 4 48.7	1.997	2.813	14.7	19.0
7 20	22 3.55	− 4 44.6	1.922	2.819	11.7	18.8
7 30	21 57.93	− 4 54.4	1.867	2.826	8.4	18.6
8 9	21 50.95	− 5 16.6	1.837	2.833	4.8	18.4
8 19	21 43.31	− 5 48.5	1.833	2.840	2.6	18.3
8 29	21 35.90	− 6 25.9	1.856	2.847	4.9	18.4
9 8	21 29.53	− 7 4.2	1.906	2.855	8.3	18.7
9 18	21 24.87	− 7 39.2	1.979	2.863	11.5	18.9

20707 1999 WW_4 8 16.7 30°.88 3°.6/12.9 18

7 10	22 6.98	−21 7.2	2.196	3.052	12.2	17.4
7 20	22 3.34	−22 14.5	2.126	3.054	9.3	17.2
7 30	21 57.81	−23 26.1	2.079	3.056	6.3	17.0
8 9	21 50.91	−24 36.2	2.059	3.058	3.9	16.9
8 19	21 43.34	−25 38.7	2.066	3.060	4.3	16.9
8 29	21 35.95	−26 28.4	2.100	3.063	6.9	17.1
9 8	21 29.58	−27 2.2	2.160	3.065	9.9	17.2
9 18	21 24.89	−27 19.2	2.243	3.068	12.6	17.4

310172 2011 ST_{26} 8 16.7 359°.62 1°.4/15.9 18

7 10	22 6.39	−15 10.8	1.300	2.176	17.6	19.7
7 20	22 3.95	−15 23.4	1.234	2.173	13.7	19.4
7 30	21 58.73	−15 46.5	1.187	2.171	9.0	19.2
8 9	21 51.46	−16 15.1	1.162	2.170	4.0	18.9
8 19	21 43.17	−16 43.1	1.160	2.170	2.2	18.8
8 29	21 35.23	−17 4.3	1.182	2.172	7.1	19.1
9 8	21 28.92	−17 14.2	1.227	2.175	11.9	19.4
9 18	21 25.12	−17 10.7	1.292	2.179	16.1	19.6

362434 2010 RF_{51} 8 16.7 195°.50 3°.7/13.4 18

7 10	22 11.27	−23 43.9	2.356	3.203	11.7	20.8
7 20	22 6.48	−24 20.3	2.281	3.203	9.1	20.6
7 30	21 59.80	−24 57.7	2.229	3.202	6.3	20.5
8 9	21 51.77	−25 31.3	2.204	3.201	4.0	20.3
8 19	21 43.10	−25 56.4	2.206	3.199	4.2	20.3
8 29	21 34.66	−26 9.4	2.236	3.198	6.6	20.5
9 8	21 27.27	−26 8.8	2.293	3.197	9.4	20.6
9 18	21 21.58	−25 54.6	2.373	3.195	12.0	20.8

2324 Janice 8 16.7 44°.35 0°.1/16.7 18

7 10	22 8.28	−11 29.0	1.858	2.700	14.6	15.8
7 20	22 4.40	−11 48.7	1.796	2.715	11.3	15.6
7 30	21 58.50	−12 18.9	1.756	2.730	7.5	15.4
8 9	21 51.20	−12 55.9	1.740	2.746	3.3	15.2
8 19	21 43.29	−13 35.1	1.750	2.762	1.0	15.1
8 29	21 35.71	−14 11.6	1.788	2.778	5.1	15.4
9 8	21 29.35	−14 41.4	1.852	2.794	8.9	15.7
9 18	21 24.84	−15 1.9	1.939	2.811	12.3	15.9

58412 1995 YX_2 8 16.7 167°.79 3°.2/12.9 18

7 10	22 8.61	−22 2.0	2.762	3.605	10.3	20.0
7 20	22 4.18	−23 0.2	2.688	3.609	7.9	19.8
7 30	21 58.17	−24 1.0	2.640	3.612	5.4	19.6
8 9	21 51.03	−24 59.5	2.618	3.615	3.4	19.5
8 19	21 43.34	−25 51.4	2.625	3.618	3.7	19.5
8 29	21 35.79	−26 32.8	2.661	3.620	5.9	19.7
9 8	21 29.07	−27 1.2	2.724	3.621	8.4	19.8
9 18	21 23.74	−27 15.9	2.811	3.623	10.7	20.0

482425 2012 CB_8 8 16.7 265°.33 1°.2/17.7 17

7 10	22 9.99	− 8 59.9	2.419	3.235	12.5	21.8
7 20	22 5.51	− 8 57.4	2.315	3.216	9.9	21.6
7 30	21 59.22	− 9 4.0	2.234	3.198	6.8	21.4
8 9	21 51.58	− 9 18.1	2.178	3.179	3.4	21.1
8 19	21 43.16	− 9 37.3	2.150	3.160	1.3	20.9
8 29	21 34.76	− 9 58.4	2.151	3.141	4.4	21.1
9 8	21 27.18	−10 18.2	2.179	3.121	7.9	21.3
9 18	21 21.08	−10 34.0	2.233	3.102	11.0	21.5

437486 2013 YZ_{55} 8 16.7 283°.89 8°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 10.56	−29 33.7	1.663	2.533	14.7	20.5
7 20	22 7.09	−31 28.3	1.597	2.524	11.9	20.3
7 30	22 0.86	−33 23.6	1.553	2.516	9.4	20.2
8 9	21 52.46	−35 8.5	1.534	2.507	8.3	20.1
8 19	21 42.88	−36 32.6	1.539	2.499	9.4	20.1
8 29	21 33.47	−37 28.2	1.569	2.490	12.0	20.3
9 8	21 25.56	−37 52.8	1.621	2.482	15.0	20.5
9 18	21 20.15	−37 48.1	1.691	2.474	17.7	20.6

172578 2003 UR_{246} 8 16.7 251°.05 2°.7/14.7 18

7 10	22 12.58	−16 57.9	1.644	2.499	15.6	20.5
7 20	22 8.44	−17 44.8	1.559	2.486	12.1	20.3
7 30	22 1.65	−18 41.6	1.494	2.473	8.0	20.0
8 9	21 52.79	−19 42.2	1.454	2.460	3.9	19.7
8 19	21 42.78	−20 39.3	1.440	2.446	3.4	19.7
8 29	21 32.86	−21 25.6	1.453	2.432	7.5	19.9
9 8	21 24.28	−21 56.2	1.490	2.418	11.9	20.1
9 18	21 18.04	−22 9.2	1.549	2.403	15.8	20.3

437537 2013 YE_{117} 8 16.7 235°.34 2°.7/14.3 18

7 10	22 9.49	−17 5.8	1.879	2.732	14.0	21.4
7 20	22 5.63	−18 7.6	1.800	2.727	10.8	21.1
7 30	21 59.55	−19 18.5	1.743	2.721	7.1	20.9
8 9	21 51.77	−20 32.3	1.711	2.716	3.6	20.7
8 19	21 43.11	−21 42.0	1.706	2.710	3.4	20.7
8 29	21 34.58	−22 41.0	1.728	2.704	6.9	20.9
9 8	21 27.22	−23 24.5	1.776	2.697	10.7	21.1
9 18	21 21.82	−23 50.6	1.846	2.691	14.0	21.3

446242 2013 HY_{8} 8 16.7 311°.67 0°.2/16.5 18

7 10	22 5.39	−10 20.5	2.229	3.063	12.8	20.5
7 20	22 2.05	−11 9.7	2.145	3.060	9.9	20.3
7 30	21 56.95	−12 10.7	2.084	3.057	6.6	20.1
8 9	21 50.55	−13 19.7	2.049	3.055	2.9	19.9
8 19	21 43.49	−14 31.8	2.041	3.052	1.0	19.7
8 29	21 36.53	−15 41.2	2.062	3.050	4.8	20.0
9 8	21 30.47	−16 42.9	2.109	3.047	8.3	20.2
9 18	21 25.92	−17 33.5	2.182	3.045	11.5	20.4

395640 2011 WT_{29} 8 16.7 326°.99 0°.1/16.8 18

7 10	22 8.17	−11 22.6	1.936	2.776	14.2	21.2
7 20	22 4.44	−11 39.5	1.854	2.772	11.1	20.9
7 30	21 58.65	−12 7.1	1.794	2.768	7.4	20.7
8 9	21 51.34	−12 42.1	1.758	2.764	3.3	20.5
8 19	21 43.26	−13 20.2	1.749	2.760	1.0	20.3
8 29	21 35.33	−13 56.8	1.766	2.756	5.2	20.6
9 8	21 28.50	−14 27.5	1.810	2.753	9.1	20.8
9 18	21 23.48	−14 49.2	1.878	2.750	12.6	21.0

260306 2004 TS_{122} 8 16.7 316°.92 4°.6/21.2 18

7 10	22 4.88	+ 2 19.8	2.178	2.960	14.7	20.2
7 20	22 1.70	+ 2 21.0	2.085	2.953	12.2	20.0
7 30	21 56.76	+ 2 4.1	2.013	2.946	9.4	19.8
8 9	21 50.49	+ 1 29.4	1.964	2.940	6.5	19.6
8 19	21 43.52	+ 0 38.7	1.940	2.934	4.7	19.5
8 29	21 36.62	− 0 23.9	1.944	2.928	5.5	19.5
9 8	21 30.59	− 1 32.9	1.974	2.922	8.2	19.7
9 18	21 26.07	− 2 42.5	2.029	2.916	11.1	19.9

215387 2002 CC_{67} 8 16.7 114°.24 1°.6/14.9 18

7 10	22 7.51	−14 48.2	2.398	3.236	11.8	20.9
7 20	22 3.48	−15 47.2	2.328	3.247	9.0	20.7
7 30	21 57.77	−16 53.9	2.282	3.259	5.9	20.5
8 9	21 50.88	−18 3.7	2.264	3.270	2.7	20.3
8 19	21 43.43	−19 11.3	2.273	3.280	2.1	20.3
8 29	21 36.17	−20 11.7	2.312	3.291	5.1	20.5
9 8	21 29.83	−21 1.3	2.378	3.301	8.2	20.7
9 18	21 24.97	−21 37.9	2.468	3.311	11.0	20.9

7972 Mariotti 8 16.7 248°.93 0°.1/16.8 18

7 10	22 7.10	−11 21.0	2.633	3.457	11.3	19.1
7 20	22 3.09	−11 41.4	2.538	3.448	8.8	18.9
7 30	21 57.52	−12 10.1	2.467	3.438	5.9	18.7
8 9	21 50.79	−12 44.4	2.422	3.428	2.6	18.5
8 19	21 43.45	−13 21.1	2.406	3.417	0.8	18.3
8 29	21 36.18	−13 56.8	2.418	3.407	4.1	18.6
9 8	21 29.67	−14 28.0	2.458	3.396	7.3	18.7
9 18	21 24.48	−14 52.4	2.524	3.385	10.2	18.9

334427 2002 GX_{34} 8 16.7 150°.53 0°.2/16.9 18

7 10	22 9.31	− 9 11.7	1.997	2.826	14.2	21.3
7 20	22 5.20	− 9 55.0	1.921	2.832	11.1	21.1
7 30	21 59.09	−10 51.7	1.866	2.837	7.4	20.9
8 9	21 51.52	−11 57.7	1.836	2.841	3.3	20.6
8 19	21 43.23	−13 7.7	1.834	2.846	0.9	20.4
8 29	21 35.13	−14 15.5	1.861	2.850	5.1	20.7
9 8	21 28.10	−15 15.6	1.914	2.854	8.9	21.0
9 18	21 22.86	−16 4.5	1.991	2.857	12.3	21.2

511414 2014 HY_{155} 8 16.7 36°.51 5°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 10.80	−25 7.8	1.744	2.609	14.4	21.1
7 20	22 6.66	−25 59.8	1.689	2.620	11.2	20.9
7 30	22 0.14	−26 51.9	1.657	2.631	7.9	20.8
8 9	21 51.98	−27 37.3	1.649	2.643	5.5	20.6
8 19	21 43.11	−28 9.4	1.666	2.655	5.9	20.7
8 29	21 34.69	−28 23.8	1.709	2.667	8.5	20.9
9 8	21 27.74	−28 19.3	1.776	2.680	11.7	21.1
9 18	21 22.98	−27 56.9	1.864	2.694	14.5	21.3

86178 1999 RP_{218} 8 16.7 326°.32 2°.8/19.3 18

7 10	22 5.60	− 3 8.3	2.078	2.888	14.4	19.8
7 20	22 2.32	− 3 19.2	1.990	2.883	11.6	19.6
7 30	21 57.20	− 3 46.0	1.924	2.879	8.4	19.4
8 9	21 50.70	− 4 27.1	1.881	2.874	5.0	19.2
8 19	21 43.48	− 5 19.3	1.864	2.870	2.8	19.0
8 29	21 36.36	− 6 17.9	1.875	2.866	4.8	19.2
9 8	21 30.18	− 7 17.5	1.912	2.862	8.2	19.4
9 18	21 25.60	− 8 13.1	1.974	2.859	11.5	19.6

259810 2004 BQ_{105} 8 16.7 103°.24 1°.5/15.6 17

7 10	22 15.25	−15 13.1	1.668	2.513	15.9	20.9
7 20	22 9.99	−15 44.3	1.610	2.531	12.2	20.7
7 30	22 2.31	−16 24.1	1.573	2.549	7.9	20.5
8 9	21 52.93	−17 7.0	1.560	2.567	3.5	20.2
8 19	21 42.85	−17 47.1	1.574	2.584	2.2	20.2
8 29	21 33.24	−18 19.0	1.616	2.600	6.3	20.5
9 8	21 25.17	−18 39.2	1.683	2.616	10.4	20.8
9 18	21 19.38	−18 46.4	1.773	2.632	13.9	21.0

346647 2008 XD_{40} 8 16.7 271°.01 2°.7/14.5 18

7 10	22 10.35	−18 3.4	1.834	2.688	14.2	21.0
7 20	22 6.37	−18 46.9	1.752	2.680	11.0	20.7
7 30	22 0.08	−19 37.8	1.693	2.671	7.3	20.5
8 9	21 52.04	−20 30.4	1.658	2.663	3.7	20.3
8 19	21 43.08	−21 18.6	1.649	2.654	3.4	20.2
8 29	21 34.27	−21 56.4	1.668	2.645	6.9	20.4
9 8	21 26.68	−22 20.0	1.711	2.636	10.8	20.6
9 18	21 21.13	−22 27.9	1.777	2.628	14.2	20.9

210986 2001 WZ_{53} 8 16.7 26°.57 1°.2/17.7 18

7 10	22 8.20	− 8 28.4	1.963	2.793	14.4	20.5
7 20	22 4.38	− 8 38.9	1.885	2.794	11.3	20.3
7 30	21 58.56	− 9 1.6	1.828	2.796	7.7	20.1
8 9	21 51.30	− 9 34.0	1.796	2.798	3.8	19.9
8 19	21 43.32	−10 12.4	1.790	2.801	1.3	19.7
8 29	21 35.53	−10 52.2	1.811	2.803	4.9	19.9
9 8	21 28.83	−11 28.7	1.859	2.805	8.7	20.2
9 18	21 23.89	−11 58.5	1.931	2.808	12.1	20.4

201137 2002 JJ_{97} 8 16.7 25°.71 10°.5/ 7.9 18

7 10	22 9.37	−33 2.8	1.369	2.251	16.6	18.9
7 20	22 6.53	−35 7.8	1.330	2.259	13.7	18.8
7 30	22 0.56	−37 6.1	1.312	2.268	11.3	18.7
8 9	21 52.31	−38 44.8	1.315	2.278	10.5	18.7
8 19	21 43.02	−39 53.3	1.342	2.289	11.7	18.7
8 29	21 34.28	−40 25.9	1.390	2.301	14.0	18.9
9 8	21 27.50	−40 23.0	1.458	2.313	16.7	19.1
9 18	21 23.58	−39 49.3	1.543	2.326	19.1	19.3

385162 2013 UH_{11} 8 16.7 331°.08 0°.1/16.7 17

7 10	22 3.21	− 9 2.4	1.204	2.076	19.1	20.2
7 20	22 1.86	− 9 47.8	1.126	2.061	15.0	19.9
7 30	21 57.66	−10 56.4	1.065	2.046	10.1	19.5
8 9	21 51.16	−12 23.2	1.026	2.033	4.6	19.2
8 19	21 43.34	−13 59.5	1.009	2.021	1.4	18.9
8 29	21 35.61	−15 34.1	1.016	2.009	7.4	19.3
9 8	21 29.40	−16 56.2	1.045	1.999	12.9	19.6
9 18	21 25.83	−17 58.6	1.094	1.989	17.8	19.8

398635 2012 FW_{6} 8 16.7 3°.65 2°.1/18.9 18

7 10	22 4.68	− 3 39.0	2.270	3.078	13.4	20.6
7 20	22 1.43	− 4 6.7	2.185	3.078	10.7	20.4
7 30	21 56.51	− 4 49.4	2.121	3.078	7.6	20.2
8 9	21 50.38	− 5 45.0	2.083	3.079	4.3	20.0
8 19	21 43.62	− 6 49.8	2.071	3.079	2.1	19.9
8 29	21 36.98	− 7 58.9	2.088	3.080	4.3	20.0
9 8	21 31.20	− 9 6.9	2.132	3.080	7.6	20.2
9 18	21 26.87	−10 9.1	2.201	3.081	10.7	20.4

518406 2018 CN_{5} 8 16.7 171°.01 4°.7/11.7 18

7 10	22 13.79	−29 12.8	2.828	3.665	10.3	22.0
7 20	22 8.15	−30 2.2	2.758	3.669	8.1	21.9
7 30	22 0.79	−30 49.2	2.714	3.673	6.1	21.8
8 9	21 52.22	−31 28.9	2.697	3.676	4.8	21.7
8 19	21 43.10	−31 57.0	2.708	3.678	5.2	21.7
8 29	21 34.20	−32 10.7	2.747	3.680	7.0	21.8
9 8	21 26.27	−32 8.9	2.813	3.681	9.1	22.0
9 18	21 19.91	−31 52.4	2.902	3.682	11.1	22.1

105592 2000 RK_{88} 8 16.7 331°.81 2°.0/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 10.98	− 8 25.1	1.960	2.784	14.6	19.6
7 20	22 6.56	− 8 3.8	1.875	2.780	11.6	19.4
7 30	22 0.05	− 7 52.8	1.812	2.776	8.1	19.2
8 9	21 51.99	− 7 50.9	1.772	2.772	4.3	18.9
8 19	21 43.15	− 7 55.7	1.760	2.769	2.0	18.8
8 29	21 34.47	− 8 4.4	1.775	2.766	5.0	19.0
9 8	21 26.91	− 8 13.6	1.816	2.762	8.8	19.2
9 18	21 21.19	− 8 20.3	1.881	2.760	12.3	19.4

364501 2007 EA_{61} 8 16.7 198°.09 2°.0/14.6 18

7 10	22 9.82	−18 57.8	2.764	3.600	10.5	22.4
7 20	22 5.10	−19 28.1	2.680	3.597	8.1	22.2
7 30	21 58.79	−20 1.8	2.620	3.594	5.3	22.0
8 9	21 51.35	−20 35.6	2.587	3.590	2.7	21.8
8 19	21 43.35	−21 5.6	2.583	3.586	2.4	21.8
8 29	21 35.49	−21 28.6	2.608	3.582	5.0	22.0
9 8	21 28.44	−21 42.4	2.660	3.577	7.8	22.1
9 18	21 22.77	−21 46.0	2.738	3.572	10.3	22.3

340332 2006 DT_{39} 8 16.7 92°.33 1°.2/15.9 16

7 10	22 15.00	−15 50.3	1.805	2.647	15.0	21.1
7 20	22 9.64	−16 2.1	1.743	2.663	11.5	20.9
7 30	22 2.01	−16 20.5	1.702	2.678	7.5	20.7
8 9	21 52.80	−16 41.2	1.686	2.693	3.3	20.5
8 19	21 42.94	−16 59.9	1.698	2.707	1.9	20.4
8 29	21 33.51	−17 12.3	1.737	2.722	5.8	20.7
9 8	21 25.51	−17 16.0	1.802	2.736	9.7	21.0
9 18	21 19.64	−17 9.8	1.890	2.750	13.1	21.2

454823 2015 RA_{117} 8 16.7 308°.96 1°.9/14.7 18

7 10	22 5.52	−15 3.6	2.180	3.028	12.5	20.5
7 20	22 2.27	−16 7.2	2.097	3.021	9.6	20.3
7 30	21 57.19	−17 20.3	2.036	3.015	6.3	20.1
8 9	21 50.72	−18 37.9	2.002	3.008	2.9	19.9
8 19	21 43.53	−19 54.2	1.995	3.002	2.5	19.9
8 29	21 36.43	−21 2.9	2.017	2.995	5.8	20.1
9 8	21 30.25	−21 59.5	2.064	2.989	9.2	20.3
9 18	21 25.65	−22 41.1	2.136	2.983	12.3	20.5

210689 2000 SG_{30} 8 16.7 203°.35 1°.9/18.1 18

7 10	22 10.76	− 5 49.1	1.544	2.376	17.6	20.0
7 20	22 6.98	− 6 11.1	1.465	2.374	14.0	19.8
7 30	22 0.64	− 6 52.3	1.406	2.372	9.7	19.6
8 9	21 52.36	− 7 49.8	1.369	2.370	5.1	19.3
8 19	21 43.04	− 8 58.1	1.357	2.368	2.0	19.1
8 29	21 33.88	−10 9.8	1.372	2.365	5.9	19.3
9 8	21 26.10	−11 17.4	1.412	2.362	10.6	19.6
9 18	21 20.59	−12 14.8	1.475	2.358	14.7	19.8

328517 2009 QN_{20} 8 16.7 6°.19 3°.3/18.8 17

7 10	22 4.36	− 4 56.7	1.111	1.974	20.9	20.2
7 20	22 2.71	− 4 52.1	1.048	1.974	16.8	20.0
7 30	21 58.11	− 5 11.1	1.003	1.975	11.9	19.7
8 9	21 51.30	− 5 51.6	0.977	1.977	6.7	19.4
8 19	21 43.36	− 6 48.5	0.972	1.981	3.3	19.2
8 29	21 35.76	− 7 53.2	0.990	1.986	6.9	19.5
9 8	21 29.89	− 8 56.3	1.030	1.992	12.0	19.8
9 18	21 26.72	− 9 50.0	1.090	2.000	16.6	20.1

253588 2003 TV_{11} 8 16.7 332°.21 6°.3/13.3 18

7 10	22 8.46	−23 15.9	1.061	1.957	19.2	19.4
7 20	22 6.58	−24 1.4	0.990	1.939	15.1	19.1
7 30	22 1.14	−24 52.4	0.938	1.922	10.6	18.7
8 9	21 52.81	−25 39.0	0.905	1.906	6.9	18.5
8 19	21 42.89	−26 10.5	0.893	1.892	7.2	18.5
8 29	21 33.20	−26 18.0	0.903	1.879	11.5	18.7
9 8	21 25.59	−25 58.1	0.932	1.867	16.4	18.9
9 18	21 21.30	−25 12.8	0.979	1.856	20.9	19.1

98831 2001 AR_{4} 8 16.7 247°.19 0°.4/17.1 18

7 10	22 9.96	− 9 16.9	2.247	3.068	13.1	21.1
7 20	22 5.71	− 9 49.5	2.143	3.049	10.3	20.8
7 30	21 59.52	−10 34.5	2.061	3.030	7.0	20.6
8 9	21 51.80	−11 28.9	2.005	3.010	3.3	20.3
8 19	21 43.21	−12 28.7	1.977	2.989	0.9	20.1
8 29	21 34.58	−13 28.4	1.978	2.967	4.8	20.4
9 8	21 26.80	−14 23.2	2.007	2.946	8.6	20.5
9 18	21 20.62	−15 9.1	2.060	2.923	12.1	20.7

291795 2006 KC_{65} 8 16.7 9°.09 4°.3/13.9 17

7 10	22 4.32	−17 2.0	1.000	1.898	19.9	19.5
7 20	22 3.08	−18 14.8	0.948	1.899	15.3	19.2
7 30	21 58.55	−19 42.1	0.913	1.902	10.1	18.9
8 9	21 51.53	−21 13.2	0.899	1.905	5.3	18.7
8 19	21 43.31	−22 35.6	0.906	1.911	5.3	18.7
8 29	21 35.57	−23 37.9	0.935	1.917	10.1	19.0
9 8	21 29.85	−24 13.9	0.984	1.925	15.0	19.3
9 18	21 27.14	−24 22.6	1.051	1.934	19.4	19.6

49808 1999 XD_{40} 8 16.7 255°.64 5°.1/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 10.28	−20 52.2	1.637	2.502	15.1	18.6
7 20	22 6.77	−22 27.5	1.559	2.492	11.7	18.4
7 30	22 0.62	−24 12.0	1.504	2.482	8.1	18.1
8 9	21 52.40	−25 56.7	1.474	2.472	5.4	17.9
8 19	21 43.03	−27 31.2	1.469	2.461	6.1	18.0
8 29	21 33.74	−28 46.5	1.491	2.450	9.5	18.1
9 8	21 25.80	−29 37.4	1.537	2.439	13.3	18.3
9 18	21 20.21	−30 2.8	1.603	2.428	16.7	18.5

487285 2014 QC_{25} 8 16.7 297°.20 1°.0/17.7 17

7 10	22 7.93	− 9 29.3	2.503	3.322	12.0	21.5
7 20	22 3.79	− 9 26.6	2.410	3.314	9.4	21.3
7 30	21 58.02	− 9 32.3	2.341	3.307	6.4	21.1
8 9	21 51.05	− 9 44.6	2.297	3.299	3.2	20.9
8 19	21 43.47	−10 1.3	2.281	3.292	1.1	20.7
8 29	21 35.99	−10 19.4	2.294	3.284	4.1	21.0
9 8	21 29.32	−10 36.0	2.334	3.277	7.3	21.2
9 18	21 24.05	−10 48.7	2.399	3.270	10.3	21.3

183281 2002 TC_{278} 8 16.7 350°.48 0°.8/17.1 18

7 10	22 11.23	−12 34.8	1.183	2.052	19.5	18.8
7 20	22 8.03	−12 9.4	1.113	2.046	15.4	18.5
7 30	22 1.69	−11 55.3	1.061	2.040	10.4	18.2
8 9	21 52.92	−11 49.9	1.030	2.036	4.9	17.9
8 19	21 42.91	−11 49.3	1.022	2.033	1.4	17.7
8 29	21 33.24	−11 49.0	1.037	2.031	7.0	18.0
9 8	21 25.42	−11 44.6	1.075	2.030	12.4	18.3
9 18	21 20.48	−11 33.5	1.132	2.030	17.1	18.6

427648 2003 WZ_{96} 8 16.7 300°.45 3°.7/14.3 18

7 10	22 9.64	−17 45.0	1.336	2.210	17.4	21.4
7 20	22 6.91	−18 37.6	1.248	2.186	13.6	21.1
7 30	22 1.11	−19 43.0	1.179	2.162	9.1	20.7
8 9	21 52.78	−20 53.8	1.133	2.139	4.7	20.4
8 19	21 42.91	−22 0.6	1.111	2.115	4.6	20.4
8 29	21 32.97	−22 53.7	1.112	2.092	9.2	20.5
9 8	21 24.56	−23 26.4	1.136	2.069	14.2	20.8
9 18	21 18.90	−23 36.1	1.179	2.047	18.8	21.0

523087 2016 RF_{28} 8 16.7 346°.83 3°.2/17.9 18

7 10	22 13.78	−10 24.1	1.299	2.152	19.0	19.8
7 20	22 9.80	− 9 13.8	1.221	2.142	15.3	19.5
7 30	22 2.78	− 8 11.7	1.161	2.133	10.8	19.2
8 9	21 53.40	− 7 18.2	1.123	2.125	5.9	19.0
8 19	21 42.78	− 6 33.3	1.110	2.118	3.2	18.8
8 29	21 32.40	− 5 56.1	1.120	2.112	7.0	19.0
9 8	21 23.73	− 5 24.5	1.154	2.108	11.9	19.3
9 18	21 17.83	− 4 56.0	1.209	2.105	16.4	19.5

233391 2006 EU_{47} 8 16.7 353°.10 0°.5/17.1 18

7 10	22 0.18	− 5 10.9	1.267	2.128	18.9	19.3
7 20	21 59.26	− 6 31.5	1.193	2.122	14.9	19.0
7 30	21 55.77	− 8 21.2	1.138	2.116	10.1	18.8
8 9	21 50.28	−10 34.0	1.105	2.112	4.7	18.4
8 19	21 43.70	−12 58.9	1.097	2.108	1.2	18.2
8 29	21 37.28	−15 22.0	1.113	2.107	6.8	18.6
9 8	21 32.26	−17 30.0	1.153	2.106	12.1	18.9
9 18	21 29.62	−19 13.9	1.215	2.107	16.6	19.1

263422 2008 DK_{50} 8 16.7 170°.92 1°.2/15.7 17

7 10	22 12.82	−13 41.7	1.823	2.664	14.9	21.2
7 20	22 8.18	−14 23.8	1.748	2.667	11.5	20.9
7 30	22 1.22	−15 16.5	1.694	2.670	7.6	20.7
8 9	21 52.57	−16 14.7	1.666	2.672	3.3	20.5
8 19	21 43.06	−17 12.5	1.664	2.674	1.9	20.4
8 29	21 33.77	−18 3.5	1.690	2.675	6.1	20.7
9 8	21 25.76	−18 43.1	1.742	2.675	10.1	20.9
9 18	21 19.81	−19 8.8	1.818	2.675	13.7	21.1

49546 1999 CG_{79} 8 16.7 287°.19 1°.1/17.7 18

7 10	22 6.91	− 7 6.0	1.981	2.807	14.4	18.7
7 20	22 3.64	− 7 36.8	1.877	2.785	11.5	18.5
7 30	21 58.31	− 8 23.4	1.795	2.763	7.9	18.2
8 9	21 51.34	− 9 23.2	1.737	2.740	4.0	18.0
8 19	21 43.40	−10 31.9	1.706	2.717	1.3	17.7
8 29	21 35.41	−11 43.5	1.703	2.695	5.1	17.9
9 8	21 28.33	−12 51.5	1.726	2.672	9.3	18.1
9 18	21 22.97	−13 50.7	1.773	2.649	13.0	18.3

395836 2012 XU_{104} 8 16.7 189°.09 3°.9/12.8 18

7 10	22 12.07	−23 57.2	2.528	3.371	11.2	22.5
7 20	22 7.06	−24 52.1	2.451	3.370	8.7	22.4
7 30	22 0.23	−25 48.6	2.398	3.368	6.0	22.2
8 9	21 52.06	−26 41.3	2.373	3.366	4.1	22.1
8 19	21 43.23	−27 25.4	2.375	3.364	4.4	22.1
8 29	21 34.56	−27 56.6	2.406	3.360	6.7	22.2
9 8	21 26.85	−28 13.0	2.464	3.356	9.3	22.4
9 18	21 20.76	−28 14.2	2.545	3.352	11.8	22.6

137682 1999 XD_{48} 8 16.7 243°.46 3°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 13.10	−19 2.4	1.812	2.664	14.5	20.8
7 20	22 8.70	−20 0.4	1.724	2.649	11.2	20.6
7 30	22 1.79	−21 6.7	1.657	2.634	7.6	20.3
8 9	21 52.93	−22 14.5	1.616	2.619	4.1	20.1
8 19	21 42.95	−23 16.5	1.602	2.603	4.2	20.1
8 29	21 33.01	−24 5.7	1.614	2.586	7.7	20.3
9 8	21 24.31	−24 37.6	1.652	2.569	11.7	20.5
9 18	21 17.77	−24 50.8	1.712	2.551	15.2	20.6

271734 2004 RC_{292} 8 16.7 356°.33 4°.2/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.88	− 3 2.0	1.396	2.232	18.9	19.7
7 20	22 4.17	− 2 44.7	1.322	2.229	15.4	19.5
7 30	21 58.89	− 2 47.7	1.266	2.226	11.3	19.2
8 9	21 51.64	− 3 10.6	1.231	2.225	6.9	19.0
8 19	21 43.36	− 3 50.2	1.219	2.224	4.2	18.8
8 29	21 35.29	− 4 41.0	1.232	2.224	6.5	19.0
9 8	21 28.64	− 5 35.3	1.268	2.225	10.8	19.2
9 18	21 24.33	− 6 26.5	1.326	2.226	14.9	19.5

265417 2004 TP_{172} 8 16.7 325°.19 7°.1/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.62	+ 2 48.9	1.742	2.537	17.3	19.3
7 20	22 3.01	+ 3 41.9	1.633	2.505	14.8	19.1
7 30	21 58.13	+ 4 17.6	1.543	2.474	11.9	18.8
8 9	21 51.36	+ 4 33.2	1.474	2.443	9.0	18.6
8 19	21 43.40	+ 4 27.4	1.428	2.412	7.2	18.4
8 29	21 35.26	+ 4 1.6	1.406	2.383	8.0	18.4
9 8	21 28.06	+ 3 20.3	1.408	2.354	10.9	18.5
9 18	21 22.76	+ 2 29.7	1.432	2.326	14.4	18.6

512027 2015 ME_{44} 8 16.7 243°.47 8°.6/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.35	+14 18.6	2.064	2.773	17.5	21.2
7 20	22 3.06	+14 31.3	1.970	2.768	15.5	21.0
7 30	21 57.81	+14 17.9	1.893	2.762	13.2	20.9
8 9	21 51.08	+13 36.2	1.835	2.756	10.8	20.7
8 19	21 43.53	+12 26.1	1.801	2.750	9.1	20.6
8 29	21 36.04	+10 51.1	1.792	2.744	8.7	20.6
9 8	21 29.49	+ 8 58.1	1.809	2.738	10.1	20.6
9 18	21 24.62	+ 6 56.1	1.851	2.731	12.3	20.8

468834 2012 TH_{322} 8 16.7 358°.43 13°.8/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 20.33	+ 4 9.0	1.219	2.013	23.4	19.1
7 20	22 15.23	+ 7 26.8	1.147	2.008	20.5	18.8
7 30	22 6.67	+10 31.4	1.094	2.004	17.5	18.6
8 9	21 55.28	+13 11.5	1.062	2.002	14.9	18.5
8 19	21 42.27	+15 16.5	1.052	2.002	13.8	18.4
8 29	21 29.36	+16 40.1	1.065	2.003	14.7	18.5
9 8	21 18.31	+17 24.0	1.098	2.006	16.9	18.6
9 18	21 10.41	+17 35.6	1.150	2.011	19.6	18.8

518492 2005 XX_{119} 8 16.7 16°.81 7°.0/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.97	+ 3 14.5	1.615	2.406	18.6	20.9
7 20	22 6.24	+ 3 59.2	1.537	2.407	15.7	20.7
7 30	22 0.10	+ 4 22.9	1.478	2.408	12.4	20.5
8 9	21 52.14	+ 4 23.7	1.440	2.409	9.1	20.3
8 19	21 43.24	+ 4 2.0	1.425	2.411	7.1	20.2
8 29	21 34.51	+ 3 21.2	1.435	2.413	7.8	20.2
9 8	21 27.06	+ 2 27.9	1.469	2.414	10.6	20.4
9 18	21 21.76	+ 1 29.2	1.526	2.417	13.9	20.6

440503 2005 TW_{193} 8 16.7 88°.59 4°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.41	−26 2.8	2.177	3.030	12.4	21.2
7 20	22 6.80	−26 51.5	2.111	3.034	9.6	21.1
7 30	22 0.15	−27 40.0	2.068	3.038	6.9	20.9
8 9	21 52.05	−28 22.2	2.051	3.042	4.9	20.8
8 19	21 43.29	−28 53.0	2.061	3.046	5.3	20.8
8 29	21 34.83	−29 8.4	2.098	3.050	7.6	21.0
9 8	21 27.54	−29 7.1	2.160	3.053	10.4	21.2
9 18	21 22.10	−28 49.6	2.244	3.057	12.9	21.3

198371 2004 VQ_{20} 8 16.7 326°.81 4°.8/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.57	−21 41.5	1.485	2.358	16.0	19.5
7 20	22 6.39	−22 37.6	1.412	2.349	12.4	19.2
7 30	22 0.44	−23 39.8	1.359	2.339	8.5	19.0
8 9	21 52.38	−24 40.0	1.330	2.330	5.3	18.8
8 19	21 43.20	−25 30.0	1.324	2.322	5.6	18.8
8 29	21 34.24	−26 2.4	1.344	2.314	9.1	19.0
9 8	21 26.82	−26 13.6	1.387	2.307	13.2	19.2
9 18	21 21.89	−26 3.5	1.449	2.300	16.8	19.4

319968 2007 BC_{102} 8 16.7 209°.00 4°.0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.07	−23 22.0	2.328	3.180	11.7	20.6
7 20	22 4.94	−24 22.7	2.254	3.178	9.0	20.4
7 30	21 58.93	−25 25.9	2.203	3.176	6.3	20.2
8 9	21 51.54	−26 25.9	2.179	3.174	4.2	20.1
8 19	21 43.47	−27 17.2	2.182	3.172	4.6	20.1
8 29	21 35.56	−27 55.1	2.213	3.169	7.0	20.3
9 8	21 28.65	−28 17.2	2.270	3.167	9.8	20.4
9 18	21 23.38	−28 22.9	2.350	3.164	12.4	20.6

133902 2004 RX_{84} 8 16.7 173°.35 10°.9/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 9.44	+16 15.6	1.326	2.064	24.4	19.5
7 20	22 6.48	+16 14.5	1.247	2.066	21.6	19.3
7 30	22 0.63	+15 31.6	1.182	2.068	18.3	19.1
8 9	21 52.52	+14 2.1	1.134	2.069	14.7	18.9
8 19	21 43.16	+11 46.2	1.106	2.069	11.8	18.7
8 29	21 33.94	+ 8 52.1	1.102	2.069	11.0	18.7
9 8	21 26.29	+ 5 35.7	1.122	2.069	13.0	18.8
9 18	21 21.26	+ 2 15.8	1.167	2.068	16.4	19.0

36318 2000 LJ_{18} 8 16.7 315°.85 2°.4/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.33	− 4 18.3	1.713	2.541	16.2	17.5
7 20	22 2.99	− 4 39.8	1.590	2.496	13.3	17.2
7 30	21 58.29	− 5 22.3	1.487	2.451	9.6	16.8
8 9	21 51.54	− 6 25.1	1.407	2.406	5.4	16.5
8 19	21 43.40	− 7 45.0	1.352	2.361	2.4	16.2
8 29	21 34.88	− 9 15.5	1.322	2.316	5.9	16.3
9 8	21 27.20	−10 48.0	1.318	2.271	10.9	16.5
9 18	21 21.46	−12 14.1	1.337	2.227	15.6	16.6

471844 2012 XX_{116} 8 16.7 297°.86 7°.3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.66	−28 15.9	1.707	2.575	14.5	20.5
7 20	22 7.17	−29 41.2	1.628	2.556	11.6	20.3
7 30	22 0.98	−31 8.1	1.571	2.538	8.9	20.1
8 9	21 52.65	−32 27.2	1.538	2.520	7.3	20.0
8 19	21 43.13	−33 29.3	1.530	2.502	8.3	20.0
8 29	21 33.70	−34 7.1	1.547	2.485	11.0	20.1
9 8	21 25.66	−34 17.9	1.586	2.467	14.2	20.3
9 18	21 20.04	−34 2.5	1.645	2.450	17.2	20.4

57406 2001 RT_{110} 8 16.7 250°.56 0°.4/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.83	−10 34.1	1.357	2.212	18.3	19.8
7 20	22 7.46	−11 14.8	1.282	2.208	14.3	19.6
7 30	22 1.23	−12 13.4	1.226	2.204	9.5	19.3
8 9	21 52.77	−13 24.7	1.193	2.200	4.2	19.0
8 19	21 43.11	−14 40.8	1.184	2.195	1.5	18.8
8 29	21 33.64	−15 52.5	1.200	2.191	7.0	19.1
9 8	21 25.74	−16 52.0	1.241	2.186	12.1	19.4
9 18	21 20.42	−17 34.7	1.302	2.182	16.6	19.7

114567 2003 BB_{63} 8 16.7 269°.94 1°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 14.54	−16 56.3	2.135	2.971	13.2	19.5
7 20	22 9.23	−16 51.6	2.046	2.962	10.2	19.3
7 30	22 1.82	−16 51.1	1.979	2.953	6.8	19.0
8 9	21 52.86	−16 51.5	1.938	2.944	3.0	18.8
8 19	21 43.11	−16 49.7	1.926	2.935	1.7	18.7
8 29	21 33.54	−16 42.7	1.941	2.927	5.4	18.9
9 8	21 25.09	−16 28.8	1.984	2.918	9.1	19.1
9 18	21 18.50	−16 7.2	2.052	2.909	12.3	19.3

251736 1998 MR_{16} 8 16.7 295°.96 1°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.67	− 8 38.5	2.224	3.044	13.3	20.2
7 20	22 5.36	− 8 29.4	2.136	3.039	10.5	20.0
7 30	21 59.20	− 8 29.9	2.069	3.033	7.3	19.8
8 9	21 51.68	− 8 38.5	2.027	3.028	3.8	19.6
8 19	21 43.46	− 8 52.7	2.012	3.022	1.6	19.4
8 29	21 35.36	− 9 9.6	2.026	3.017	4.5	19.6
9 8	21 28.21	− 9 25.7	2.067	3.012	8.0	19.8
9 18	21 22.66	− 9 38.4	2.132	3.007	11.2	20.0

509254 2006 UZ_{54} 8 16.7 310°.73 3°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.19	−19 22.5	1.271	2.146	18.0	21.0
7 20	22 9.14	−19 41.2	1.180	2.118	14.2	20.7
7 30	22 2.78	−20 7.5	1.108	2.091	9.6	20.4
8 9	21 53.65	−20 34.9	1.058	2.064	4.9	20.0
8 19	21 42.81	−20 55.6	1.030	2.037	4.2	19.9
8 29	21 31.90	−21 2.4	1.027	2.011	9.1	20.1
9 8	21 22.64	−20 50.9	1.045	1.985	14.4	20.3
9 18	21 16.36	−20 20.7	1.082	1.960	19.3	20.5

236412 2006 DN_{84} 8 16.7 256°.99 3°.6/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.57	+ 0 1.9	1.949	2.745	15.7	20.8
7 20	22 4.14	− 0 21.0	1.850	2.732	12.9	20.6
7 30	21 58.65	− 1 4.6	1.770	2.717	9.6	20.3
8 9	21 51.53	− 2 7.9	1.715	2.703	6.0	20.1
8 19	21 43.49	− 3 27.4	1.685	2.688	3.6	19.9
8 29	21 35.43	− 4 57.4	1.683	2.673	5.4	20.0
9 8	21 28.32	− 6 30.1	1.708	2.658	9.0	20.2
9 18	21 22.95	− 7 58.4	1.757	2.642	12.7	20.4

204576 2005 GN_{9} 8 16.7 12°.07 2°.6/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.91	−17 12.3	1.769	2.627	14.6	20.0
7 20	22 5.29	−18 2.8	1.698	2.627	11.2	19.7
7 30	21 59.39	−19 1.6	1.649	2.628	7.3	19.5
8 9	21 51.83	−20 2.6	1.624	2.629	3.6	19.3
8 19	21 43.43	−20 59.3	1.625	2.630	3.3	19.3
8 29	21 35.27	−21 45.4	1.653	2.632	6.9	19.5
9 8	21 28.37	−22 16.8	1.706	2.633	10.7	19.7
9 18	21 23.51	−22 32.0	1.781	2.635	14.1	20.0

70683 1999 UT_8 8 16.7 182°.92 9°.5/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 9.48	+20 17.5	2.632	3.265	15.6	19.6
7 20	22 5.07	+21 0.1	2.540	3.266	14.2	19.5
7 30	21 58.97	+21 21.1	2.464	3.266	12.6	19.4
8 9	21 51.58	+21 17.7	2.407	3.265	11.1	19.3
8 19	21 43.51	+20 48.7	2.373	3.264	9.9	19.2
8 29	21 35.49	+19 55.0	2.364	3.262	9.5	19.2
9 8	21 28.28	+18 41.0	2.379	3.260	10.1	19.2
9 18	21 22.48	+17 12.3	2.418	3.257	11.3	19.3

448642 2010 VK_{84} 8 16.7 350°.35 12°.1/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.50	−38 51.2	1.476	2.350	16.0	19.6
7 20	22 5.32	−40 40.4	1.424	2.339	13.9	19.4
7 30	21 59.99	−42 19.4	1.392	2.330	12.4	19.3
8 9	21 52.25	−43 36.2	1.381	2.322	12.1	19.3
8 19	21 43.31	−44 21.1	1.392	2.315	13.3	19.3
8 29	21 34.78	−44 28.8	1.423	2.310	15.3	19.4
9 8	21 28.13	−43 59.8	1.472	2.306	17.7	19.6
9 18	21 24.37	−42 59.0	1.538	2.303	19.9	19.7

249019 2007 RK_{149} 8 16.7 6°.42 0°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.66	−14 9.9	1.010	1.891	21.2	19.1
7 20	22 9.52	−13 39.1	0.951	1.890	16.6	18.9
7 30	22 2.86	−13 18.9	0.908	1.891	11.2	18.6
8 9	21 53.54	−13 6.0	0.886	1.893	5.0	18.2
8 19	21 42.95	−12 56.2	0.885	1.896	1.4	18.0
8 29	21 32.92	−12 45.0	0.906	1.901	7.7	18.4
9 8	21 25.09	−12 28.6	0.949	1.906	13.4	18.8
9 18	21 20.51	−12 5.4	1.011	1.913	18.3	19.1

286936 2002 PT_{127} 8 16.7 331°.81 1°.8/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 4.78	−13 6.5	1.547	2.411	16.0	19.6
7 20	22 2.51	−14 10.1	1.467	2.400	12.3	19.4
7 30	21 57.81	−15 29.3	1.407	2.389	8.1	19.1
8 9	21 51.23	−16 57.9	1.371	2.379	3.6	18.8
8 19	21 43.61	−18 27.6	1.360	2.369	2.6	18.7
8 29	21 36.08	−19 49.3	1.375	2.360	7.1	19.0
9 8	21 29.82	−20 55.8	1.414	2.352	11.6	19.2
9 18	21 25.73	−21 42.8	1.474	2.344	15.6	19.4

101582 1999 BZ_8 8 16.7 186°.53 1°.5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.68	−13 33.3	1.962	2.803	14.0	19.9
7 20	22 6.45	−14 32.8	1.883	2.803	10.8	19.7
7 30	22 0.10	−15 43.7	1.826	2.802	7.1	19.5
8 9	21 52.15	−17 0.5	1.795	2.801	3.1	19.2
8 19	21 43.36	−18 16.6	1.791	2.799	2.2	19.2
8 29	21 34.72	−19 25.5	1.815	2.797	6.0	19.4
9 8	21 27.19	−20 21.8	1.866	2.795	9.8	19.6
9 18	21 21.53	−21 2.8	1.941	2.792	13.2	19.8

520085 2013 XS_{27} 8 16.7 200°.25 2°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 14.29	− 6 45.4	1.977	2.788	15.0	21.4
7 20	22 9.14	− 6 18.3	1.891	2.786	12.0	21.2
7 30	22 1.82	− 6 2.2	1.826	2.784	8.5	21.0
8 9	21 52.90	− 5 56.3	1.786	2.783	4.8	20.8
8 19	21 43.15	− 5 58.8	1.774	2.780	2.6	20.6
8 29	21 33.58	− 6 7.0	1.789	2.778	5.2	20.8
9 8	21 25.15	− 6 17.4	1.831	2.776	8.9	21.0
9 18	21 18.62	− 6 26.9	1.897	2.773	12.4	21.2

322406 2011 SX_{26} 8 16.8 32°.24 1°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 14.70	−17 30.3	1.656	2.507	15.7	19.6
7 20	22 9.74	−17 25.4	1.589	2.514	12.1	19.4
7 30	22 2.30	−17 25.5	1.543	2.521	8.0	19.2
8 9	21 53.09	−17 26.4	1.522	2.528	3.6	19.0
8 19	21 43.12	−17 24.3	1.526	2.536	2.1	18.9
8 29	21 33.58	−17 15.6	1.558	2.544	6.3	19.2
9 8	21 25.57	−16 58.6	1.614	2.552	10.4	19.4
9 18	21 19.85	−16 32.9	1.694	2.561	14.0	19.7

97663 2000 FU_{29} 8 16.8 39°.07 1°.9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.51	− 6 22.3	1.042	1.908	21.8	19.2
7 20	22 5.99	− 6 43.5	0.992	1.921	17.2	19.0
7 30	22 0.32	− 7 29.1	0.959	1.935	11.8	18.8
8 9	21 52.35	− 8 34.1	0.945	1.949	5.9	18.5
8 19	21 43.36	− 9 50.3	0.953	1.964	2.0	18.3
8 29	21 34.93	−11 7.1	0.985	1.980	7.0	18.7
9 8	21 28.48	−12 14.9	1.038	1.996	12.4	19.0
9 18	21 24.93	−13 7.2	1.111	2.013	17.0	19.3

206011 2002 PK_{125} 8 16.8 9°.29 0°.6/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.10	− 9 39.7	1.736	2.581	15.3	19.7
7 20	22 3.15	−10 49.6	1.661	2.582	11.9	19.5
7 30	21 58.03	−12 16.2	1.606	2.582	7.9	19.2
8 9	21 51.27	−13 54.0	1.577	2.583	3.4	19.0
8 19	21 43.66	−15 35.3	1.574	2.584	1.5	18.8
8 29	21 36.20	−17 11.4	1.598	2.586	5.9	19.1
9 8	21 29.91	−18 35.0	1.648	2.587	10.1	19.4
9 18	21 25.54	−19 41.4	1.722	2.589	13.8	19.6

135031 2001 ME_{20} 8 16.8 20°.56 1°.6/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 16.87	−12 12.8	1.571	2.410	17.0	18.5
7 20	22 11.50	−11 23.1	1.500	2.415	13.4	18.3
7 30	22 3.53	−10 40.7	1.451	2.421	9.1	18.0
8 9	21 53.68	−10 4.6	1.425	2.428	4.5	17.8
8 19	21 42.99	− 9 33.2	1.425	2.435	1.7	17.6
8 29	21 32.73	− 9 4.9	1.452	2.443	5.8	17.9
9 8	21 24.07	− 8 37.8	1.504	2.452	10.2	18.2
9 18	21 17.83	− 8 10.2	1.580	2.461	14.1	18.5

51437 2001 FF_{21} 8 16.8 133°.51 2°.0/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.74	−15 3.4	1.935	2.783	13.9	19.3
7 20	22 4.97	−16 4.6	1.862	2.786	10.6	19.0
7 30	21 59.11	−17 15.8	1.811	2.789	6.9	18.8
8 9	21 51.71	−18 31.1	1.786	2.792	3.2	18.6
8 19	21 43.55	−19 44.1	1.788	2.795	2.7	18.6
8 29	21 35.57	−20 48.1	1.817	2.797	6.2	18.8
9 8	21 28.72	−21 38.5	1.873	2.800	9.9	19.0
9 18	21 23.72	−22 12.9	1.952	2.802	13.2	19.3

436579 2011 HF_{97} 8 16.8 25°.41 8°.4/24.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 3.84	+ 8 25.3	1.354	2.145	21.6	21.0
7 20	22 1.81	+ 8 43.0	1.293	2.156	18.5	20.8
7 30	21 57.29	+ 8 28.7	1.247	2.168	14.9	20.6
8 9	21 50.97	+ 7 41.1	1.219	2.180	11.4	20.4
8 19	21 43.77	+ 6 22.7	1.213	2.194	8.8	20.3
8 29	21 36.89	+ 4 40.7	1.231	2.209	8.7	20.4
9 8	21 31.45	+ 2 46.2	1.271	2.224	11.1	20.5
9 18	21 28.25	+ 0 50.8	1.334	2.241	14.4	20.8

159234 2005 XK_{91} 8 16.8 338°.66 7°.6/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.27	−28 4.5	1.580	2.452	15.3	19.9
7 20	22 7.67	−29 39.9	1.519	2.450	12.2	19.7
7 30	22 1.29	−31 15.8	1.480	2.448	9.2	19.5
8 9	21 52.79	−32 41.8	1.464	2.446	7.7	19.4
8 19	21 43.23	−33 48.2	1.473	2.444	8.6	19.5
8 29	21 33.97	−34 28.2	1.506	2.443	11.3	19.6
9 8	21 26.31	−34 39.7	1.561	2.442	14.4	19.8
9 18	21 21.19	−34 24.6	1.636	2.441	17.3	20.0

173618 2001 FL_{38} 8 16.8 113°.01 0°.6/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 16.83	−13 22.9	1.734	2.570	15.8	20.7
7 20	22 11.17	−13 40.7	1.673	2.589	12.2	20.5
7 30	22 3.14	−14 7.8	1.633	2.607	8.0	20.3
8 9	21 53.46	−14 39.9	1.618	2.625	3.5	20.1
8 19	21 43.08	−15 11.7	1.631	2.641	1.4	20.0
8 29	21 33.16	−15 38.6	1.670	2.658	5.8	20.3
9 8	21 24.74	−15 56.9	1.737	2.674	9.9	20.6
9 18	21 18.55	−16 5.0	1.826	2.689	13.4	20.8

42483 1990 VM_1 8 16.8 309°.03 8°.6/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.30	+ 4 20.9	1.453	2.252	20.0	18.1
7 20	22 4.82	+ 5 17.9	1.353	2.225	17.3	17.8
7 30	21 59.66	+ 5 53.2	1.269	2.199	14.0	17.5
8 9	21 52.23	+ 6 2.7	1.205	2.173	10.8	17.3
8 19	21 43.35	+ 5 44.2	1.163	2.147	8.7	17.1
8 29	21 34.23	+ 4 59.4	1.144	2.121	9.4	17.0
9 8	21 26.27	+ 3 54.8	1.147	2.096	12.5	17.2
9 18	21 20.64	+ 2 39.2	1.172	2.072	16.5	17.3

150624 2000 YF_{125} 8 16.8 128°.89 6°.3/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.08	−33 47.0	2.680	3.521	10.7	20.3
7 20	22 7.09	−34 59.0	2.627	3.532	8.7	20.2
7 30	22 0.26	−36 6.0	2.599	3.543	7.0	20.1
8 9	21 52.15	−37 2.1	2.597	3.554	6.3	20.1
8 19	21 43.46	−37 42.6	2.622	3.564	6.9	20.2
8 29	21 35.03	−38 4.3	2.673	3.575	8.4	20.3
9 8	21 27.67	−38 6.7	2.749	3.584	10.3	20.4
9 18	21 21.97	−37 51.2	2.846	3.594	12.0	20.6

441991 2010 NO_{84} 8 16.8 1°.64 4°.7/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.67	+ 1 11.8	2.136	2.920	14.9	21.0
7 20	22 3.90	+ 1 31.4	2.051	2.920	12.4	20.8
7 30	21 58.30	+ 1 34.7	1.986	2.920	9.5	20.6
8 9	21 51.34	+ 1 21.6	1.944	2.920	6.6	20.5
8 19	21 43.68	+ 0 53.4	1.927	2.920	4.8	20.4
8 29	21 36.14	+ 0 13.5	1.938	2.920	5.7	20.4
9 8	21 29.54	− 0 33.4	1.975	2.921	8.3	20.6
9 18	21 24.54	− 1 22.4	2.037	2.921	11.2	20.8

391977 2008 XN_{45} 8 16.8 298°.30 0°.8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.18	−13 44.5	1.672	2.523	15.6	21.3
7 20	22 6.55	−14 3.5	1.584	2.509	12.1	21.0
7 30	22 0.45	−14 33.2	1.517	2.494	8.1	20.8
8 9	21 52.43	−15 9.5	1.473	2.480	3.6	20.5
8 19	21 43.34	−15 47.1	1.455	2.465	1.6	20.3
8 29	21 34.33	−16 20.3	1.463	2.451	6.3	20.6
9 8	21 26.57	−16 44.3	1.496	2.437	10.8	20.8
9 18	21 20.97	−16 56.3	1.551	2.424	14.8	21.0

317416 2002 PB_{195} 8 16.8 49°.48 0°.1/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 10.70	−10 24.4	1.240	2.101	19.3	21.1
7 20	22 7.26	−10 53.4	1.187	2.116	15.0	20.8
7 30	22 0.96	−11 39.4	1.152	2.131	9.9	20.6
8 9	21 52.60	−12 36.6	1.140	2.146	4.4	20.3
8 19	21 43.34	−13 37.5	1.151	2.162	1.2	20.2
8 29	21 34.61	−14 33.6	1.186	2.179	6.7	20.6
9 8	21 27.68	−15 18.5	1.245	2.195	11.7	20.9
9 18	21 23.39	−15 48.6	1.325	2.212	15.9	21.2

383081 2005 SY_{68} 8 16.8 279°.19 2°.3/15.2 18

7 10	22 12.45	−16 58.9	1.656	2.510	15.5	21.2
7 20	22 8.45	−17 29.2	1.565	2.492	12.1	21.0
7 30	22 1.80	−18 8.4	1.496	2.474	8.1	20.7
8 9	21 53.08	−18 51.0	1.450	2.456	3.8	20.4
8 19	21 43.16	−19 30.8	1.430	2.437	3.0	20.3
8 29	21 33.28	−20 1.5	1.436	2.419	7.2	20.5
9 8	21 24.71	−20 18.6	1.467	2.400	11.6	20.7
9 18	21 18.43	−20 20.4	1.520	2.381	15.6	20.9

383168 2005 VL_{71} 8 16.8 268°.05 1°.8/15.4 18

7 10	22 11.37	−15 3.9	1.819	2.666	14.7	21.9
7 20	22 7.39	−15 44.9	1.722	2.646	11.4	21.6
7 30	22 1.01	−16 36.7	1.647	2.625	7.6	21.3
8 9	21 52.70	−17 34.4	1.597	2.604	3.5	21.0
8 19	21 43.26	−18 31.8	1.573	2.582	2.5	20.9
8 29	21 33.79	−19 22.3	1.577	2.560	6.6	21.1
9 8	21 25.44	−20 0.6	1.606	2.538	10.9	21.3
9 18	21 19.13	−20 23.8	1.658	2.515	14.8	21.5

35504 1998 FF_{43} 8 16.8 324°.82 6°.6/22.3 18 R

7 10	22 2.93	+ 4 53.4	1.467	2.271	19.6	17.4
7 20	22 1.21	+ 4 54.9	1.376	2.254	16.7	17.1
7 30	21 57.07	+ 4 27.5	1.302	2.238	13.2	16.9
8 9	21 50.99	+ 3 29.7	1.247	2.223	9.5	16.6
8 19	21 43.76	+ 2 3.2	1.216	2.209	6.8	16.5
8 29	21 36.52	+ 0 14.7	1.208	2.195	7.5	16.5
9 8	21 30.47	− 1 45.1	1.224	2.182	11.0	16.6
9 18	21 26.59	− 3 45.0	1.263	2.170	15.0	16.8

188155 2002 GK_{45} 8 16.8 167°.60 3°.7/20.9 18

7 10	22 6.68	+ 1 29.7	2.688	3.457	12.5	20.9
7 20	22 2.74	+ 1 25.0	2.599	3.460	10.3	20.7
7 30	21 57.32	+ 1 5.9	2.531	3.462	7.8	20.6
8 9	21 50.85	+ 0 32.9	2.488	3.464	5.3	20.4
8 19	21 43.84	− 0 11.8	2.472	3.466	3.7	20.3
8 29	21 36.93	− 1 5.1	2.485	3.468	4.5	20.4
9 8	21 30.76	− 2 2.8	2.526	3.469	6.8	20.5
9 18	21 25.84	− 3 0.5	2.593	3.470	9.4	20.7

332269 2006 SD_{24} 8 16.8 279°.42 6°.8/11.4 18

7 10	22 13.60	−25 50.9	1.598	2.464	15.4	20.8
7 20	22 9.75	−27 11.2	1.510	2.440	12.3	20.6
7 30	22 2.93	−28 36.4	1.443	2.415	9.0	20.3
8 9	21 53.68	−29 57.0	1.401	2.390	6.9	20.1
8 19	21 42.97	−31 2.6	1.383	2.365	7.8	20.1
8 29	21 32.21	−31 44.8	1.390	2.340	11.0	20.2
9 8	21 22.89	−31 59.4	1.420	2.314	14.7	20.4
9 18	21 16.19	−31 47.2	1.470	2.288	18.3	20.6

315644 2008 DL_{34} 8 16.8 104°.86 2°.2/14.9 18

7 10	22 11.73	−18 57.5	2.205	3.048	12.6	20.4
7 20	22 6.94	−19 19.2	2.132	3.053	9.6	20.2
7 30	22 0.23	−19 44.8	2.083	3.058	6.4	20.0
8 9	21 52.16	−20 10.1	2.059	3.063	3.2	19.8
8 19	21 43.47	−20 30.8	2.063	3.068	2.7	19.8
8 29	21 35.04	−20 43.6	2.095	3.073	5.7	20.0
9 8	21 27.71	−20 46.1	2.153	3.077	8.9	20.2
9 18	21 22.12	−20 37.8	2.236	3.082	11.9	20.4

27016 1998 HK_{143} 8 16.8 36°.73 1°.0/17.5 18

7 10	22 7.31	− 6 41.5	1.267	2.122	19.3	17.2
7 20	22 4.71	− 7 26.1	1.206	2.129	15.2	17.0
7 30	21 59.35	− 8 33.3	1.162	2.137	10.3	16.7
8 9	21 51.93	− 9 57.8	1.141	2.145	4.9	16.5
8 19	21 43.52	−11 31.3	1.143	2.154	1.3	16.2
8 29	21 35.46	−13 3.2	1.170	2.163	6.5	16.6
9 8	21 29.02	−14 24.3	1.220	2.173	11.5	16.9
9 18	21 25.09	−15 28.4	1.292	2.183	15.9	17.2

49151 1998 SM_{51} 8 16.8 113°.55 5°.3/21.9 18

7 10	22 8.07	+ 4 8.6	2.062	2.832	15.8	19.7
7 20	22 4.24	+ 4 13.3	1.983	2.840	13.2	19.5
7 30	21 58.53	+ 3 58.1	1.923	2.847	10.3	19.4
8 9	21 51.45	+ 3 23.2	1.886	2.855	7.4	19.2
8 19	21 43.69	+ 2 30.6	1.874	2.862	5.4	19.1
8 29	21 36.10	+ 1 24.6	1.889	2.869	6.0	19.1
9 8	21 29.51	+ 0 11.4	1.931	2.876	8.5	19.3
9 18	21 24.58	− 1 2.7	1.998	2.883	11.4	19.5

101957 1999 RT_{36} 8 16.8 278°.84 4°.9/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 16.50	−25 15.7	1.926	2.776	13.9	19.8
7 20	22 11.38	−25 50.5	1.829	2.751	11.0	19.6
7 30	22 3.66	−26 26.3	1.755	2.726	7.8	19.4
8 9	21 53.89	−26 56.7	1.705	2.700	5.3	19.1
8 19	21 42.95	−27 15.2	1.682	2.673	5.5	19.1
8 29	21 32.05	−27 16.8	1.686	2.647	8.4	19.2
9 8	21 22.41	−26 59.5	1.715	2.620	12.0	19.4
9 18	21 15.01	−26 24.2	1.766	2.593	15.3	19.5

436211 2009 XA_{18} 8 16.8 163°.53 3°.6/13.5 18

7 10	22 11.64	−20 9.8	2.034	2.884	13.2	21.4
7 20	22 7.16	−21 16.1	1.964	2.888	10.2	21.2
7 30	22 0.54	−22 27.7	1.916	2.892	6.8	21.0
8 9	21 52.37	−23 38.3	1.895	2.895	4.0	20.9
8 19	21 43.42	−24 41.3	1.901	2.898	4.2	20.9
8 29	21 34.69	−25 31.0	1.934	2.900	7.1	21.1
9 8	21 27.12	−26 4.0	1.994	2.902	10.4	21.3
9 18	21 21.44	−26 19.5	2.076	2.904	13.3	21.5

42413 1072 $T\text{-}_2$ 8 16.8 260°.43 0°.1/16.8 18

7 10	22 12.01	−10 43.4	1.552	2.396	16.9	19.7
7 20	22 8.21	−11 7.9	1.462	2.382	13.3	19.5
7 30	22 1.72	−11 47.5	1.392	2.367	9.0	19.2
8 9	21 53.07	−12 38.5	1.346	2.351	4.1	18.9
8 19	21 43.18	−13 34.9	1.324	2.336	1.2	18.6
8 29	21 33.30	−14 29.6	1.329	2.320	6.4	18.9
9 8	21 24.75	−15 16.0	1.359	2.304	11.4	19.2
9 18	21 18.55	−15 49.8	1.411	2.287	15.7	19.4

350193 2011 WS_{106} 8 16.8 261°.72 5°.2/25.8 15

7 10	22 2.99	+14 56.7	4.634	5.283	9.1	20.7
7 20	21 59.36	+15 31.5	4.531	5.278	8.1	20.6
7 30	21 54.85	+15 55.1	4.448	5.273	7.0	20.5
8 9	21 49.70	+16 6.9	4.388	5.267	6.0	20.4
8 19	21 44.21	+16 6.5	4.354	5.262	5.3	20.3
8 29	21 38.73	+15 54.7	4.346	5.257	5.2	20.3
9 8	21 33.63	+15 32.9	4.365	5.251	5.7	20.4
9 18	21 29.24	+15 3.4	4.409	5.246	6.6	20.4

68145 2001 AF_{44} 8 16.8 283°.47 9°.3/12.7 18

7 10	22 29.38	−34 36.6	1.490	2.334	17.4	18.1
7 20	22 22.41	−35 6.3	1.404	2.312	14.5	17.9
7 30	22 11.51	−35 26.8	1.338	2.290	11.5	17.6
8 9	21 57.52	−35 26.9	1.294	2.268	9.5	17.5
8 19	21 41.92	−34 57.2	1.275	2.245	9.9	17.4
8 29	21 26.75	−33 53.3	1.282	2.222	12.5	17.5
9 8	21 13.94	−32 18.3	1.312	2.199	16.2	17.7
9 18	21 4.74	−30 19.9	1.362	2.176	19.7	17.9

360884 2005 SH_{86} 8 16.8 267°.92 2°.4/19.2 18

7 10	22 6.28	− 3 17.1	2.244	3.048	13.6	21.3
7 20	22 2.82	− 3 35.5	2.150	3.040	11.0	21.1
7 30	21 57.60	− 4 9.0	2.078	3.033	7.9	20.9
8 9	21 51.05	− 4 56.1	2.031	3.025	4.6	20.6
8 19	21 43.80	− 5 53.5	2.010	3.017	2.4	20.5
8 29	21 36.61	− 6 56.6	2.018	3.009	4.5	20.6
9 8	21 30.27	− 8 0.2	2.052	3.001	7.9	20.8
9 18	21 25.42	− 8 59.4	2.112	2.993	11.1	21.0

388571 2007 RZ_{31} 8 16.8 334°.91 9°.3/11.0 18

7 10	22 13.10	−32 23.0	1.385	2.261	16.8	19.7
7 20	22 9.65	−33 21.1	1.316	2.245	13.8	19.4
7 30	22 2.90	−34 14.0	1.267	2.231	10.9	19.2
8 9	21 53.62	−34 51.2	1.240	2.217	9.3	19.1
8 19	21 43.06	−35 3.5	1.235	2.204	10.1	19.1
8 29	21 32.88	−34 45.1	1.252	2.193	12.7	19.2
9 8	21 24.66	−33 56.4	1.290	2.182	16.1	19.4
9 18	21 19.45	−32 41.9	1.347	2.173	19.3	19.6

145070 2005 GR_{32} 8 16.8 30°.25 5°.3/13.9 18

7 10	22 13.41	−22 29.8	1.173	2.055	18.7	19.4
7 20	22 9.73	−23 12.2	1.123	2.064	14.5	19.1
7 30	22 2.77	−23 58.3	1.091	2.072	9.9	18.9
8 9	21 53.46	−24 38.8	1.081	2.082	6.0	18.7
8 19	21 43.14	−25 5.2	1.093	2.093	6.0	18.8
8 29	21 33.49	−25 11.4	1.129	2.104	9.8	19.0
9 8	21 25.95	−24 55.9	1.186	2.115	14.1	19.3
9 18	21 21.43	−24 20.8	1.263	2.128	18.0	19.6

91751 1999 TX_{188} 8 16.8 278°.95 3°.7/13.8 18

7 10	22 13.55	−24 15.3	2.310	3.155	12.0	20.3
7 20	22 8.50	−24 38.8	2.218	3.138	9.4	20.1
7 30	22 1.39	−25 2.8	2.150	3.121	6.5	19.9
8 9	21 52.75	−25 22.4	2.107	3.104	4.1	19.8
8 19	21 43.32	−25 33.3	2.093	3.087	4.2	19.7
8 29	21 34.01	−25 31.9	2.106	3.070	6.8	19.9
9 8	21 25.76	−25 16.7	2.145	3.053	9.8	20.0
9 18	21 19.29	−24 48.0	2.209	3.036	12.7	20.2

164561 2006 KZ_{47} 8 16.8 329°.78 1°.3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 8.62	− 7 28.8	1.842	2.671	15.2	20.7
7 20	22 4.95	− 7 49.6	1.762	2.671	12.0	20.5
7 30	21 59.15	− 8 25.1	1.703	2.671	8.3	20.3
8 9	21 51.78	− 9 12.4	1.668	2.671	4.1	20.0
8 19	21 43.60	−10 6.9	1.659	2.670	1.4	19.8
8 29	21 35.59	−11 3.0	1.678	2.670	5.1	20.1
9 8	21 28.70	−11 55.0	1.723	2.670	9.2	20.3
9 18	21 23.69	−12 38.6	1.791	2.670	12.8	20.6

126428 2002 CU_{4} 8 16.8 135°.34 6°.0/11.6 18

7 10	22 17.29	−29 47.9	2.174	3.018	12.7	20.0
7 20	22 11.35	−30 49.6	2.119	3.032	10.1	19.9
7 30	22 3.20	−31 48.1	2.087	3.045	7.6	19.8
8 9	21 53.50	−32 36.3	2.080	3.058	6.1	19.7
8 19	21 43.15	−33 8.5	2.101	3.070	6.6	19.7
8 29	21 33.21	−33 21.2	2.149	3.081	8.7	19.9
9 8	21 24.65	−33 13.8	2.222	3.092	11.1	20.1
9 18	21 18.17	−32 48.3	2.317	3.102	13.4	20.3

211890 2004 JP_{18} 8 16.8 22°.21 6°.2/22.3 18

7 10	22 3.95	+ 4 13.1	1.539	2.341	19.0	19.6
7 20	22 1.60	+ 4 23.0	1.475	2.352	15.9	19.4
7 30	21 57.02	+ 4 7.4	1.429	2.364	12.4	19.2
8 9	21 50.85	+ 3 26.2	1.403	2.377	8.8	19.0
8 19	21 43.91	+ 2 22.6	1.400	2.391	6.4	18.9
8 29	21 37.26	+ 1 2.7	1.421	2.406	7.0	19.0
9 8	21 31.88	− 0 24.7	1.467	2.422	9.8	19.2
9 18	21 28.50	− 1 51.2	1.537	2.438	13.1	19.4

121312 1999 RS_{209} 8 16.8 290°.64 3°.6/19.8 18

7 10	22 8.35	− 2 17.7	2.224	3.021	14.0	19.6
7 20	22 4.45	− 1 58.8	2.128	3.010	11.5	19.4
7 30	21 58.70	− 1 53.2	2.053	2.999	8.5	19.2
8 9	21 51.58	− 2 0.8	2.001	2.988	5.5	19.0
8 19	21 43.69	− 2 20.0	1.977	2.977	3.6	18.9
8 29	21 35.85	− 2 48.1	1.979	2.966	5.1	19.0
9 8	21 28.88	− 3 21.0	2.009	2.956	8.1	19.1
9 18	21 23.45	− 3 54.6	2.063	2.945	11.2	19.3

220385 2003 QU_{45} 8 16.8 337°.70 4°.2/13.8 18

7 10	22 16.55	−26 43.4	2.272	3.114	12.3	19.7
7 20	22 10.67	−26 54.9	2.196	3.112	9.6	19.5
7 30	22 2.71	−27 4.1	2.143	3.111	6.8	19.3
8 9	21 53.29	−27 6.1	2.116	3.109	4.6	19.2
8 19	21 43.23	−26 57.2	2.118	3.108	4.6	19.2
8 29	21 33.51	−26 34.9	2.147	3.107	7.0	19.3
9 8	21 25.04	−25 59.0	2.203	3.106	9.8	19.5
9 18	21 18.49	−25 10.9	2.282	3.105	12.5	19.7

444890 2007 WB_{60} 8 16.8 71°.73 4°.4/22.2 16

7 10	22 6.30	+ 5 47.0	2.222	2.980	15.1	20.6
7 20	22 2.66	+ 5 5.9	2.151	3.001	12.6	20.5
7 30	21 57.36	+ 4 3.2	2.100	3.022	9.6	20.3
8 9	21 50.90	+ 2 40.7	2.073	3.043	6.7	20.2
8 19	21 43.91	+ 1 2.3	2.073	3.064	4.6	20.1
8 29	21 37.16	− 0 45.6	2.101	3.085	5.1	20.2
9 8	21 31.35	− 2 35.9	2.158	3.106	7.6	20.4
9 18	21 27.04	− 4 21.7	2.242	3.126	10.3	20.6

221838 2008 FE_{25} 8 16.8 341°.77 1°.4/17.6 18

7 10	22 0.51	− 8 56.4	1.006	1.893	20.7	19.4
7 20	22 0.28	− 8 58.2	0.932	1.875	16.5	19.1
7 30	21 56.96	− 9 21.4	0.874	1.857	11.4	18.8
8 9	21 51.12	−10 3.5	0.835	1.842	5.6	18.4
8 19	21 43.81	−10 58.5	0.817	1.828	1.7	18.1
8 29	21 36.61	−11 57.2	0.819	1.817	7.5	18.4
9 8	21 31.13	−12 49.6	0.842	1.807	13.4	18.7
9 18	21 28.57	−13 28.3	0.882	1.800	18.7	19.0

115958 2003 WD_{41} 8 16.8 217°.58 4°.1/20.1 18

7 10	22 10.02	− 1 13.5	2.025	2.820	15.2	19.7
7 20	22 5.85	− 0 55.3	1.938	2.818	12.5	19.5
7 30	21 59.69	− 0 52.6	1.872	2.816	9.3	19.3
8 9	21 52.03	− 1 5.2	1.829	2.813	6.1	19.1
8 19	21 43.59	− 1 31.4	1.812	2.811	4.1	19.0
8 29	21 35.26	− 2 7.8	1.822	2.808	5.5	19.1
9 8	21 27.95	− 2 49.5	1.859	2.805	8.7	19.3
9 18	21 22.37	− 3 31.8	1.920	2.803	11.9	19.5

371485 2006 TM_{66} 8 16.8 313°.24 2°.5/15.3 17

7 10	22 9.86	−16 19.0	1.292	2.165	17.9	21.4
7 20	22 7.08	−16 49.5	1.211	2.148	14.0	21.1
7 30	22 1.26	−17 31.8	1.149	2.131	9.3	20.8
8 9	21 52.98	−18 19.7	1.108	2.115	4.4	20.4
8 19	21 43.29	−19 5.5	1.091	2.100	3.3	20.3
8 29	21 33.70	−19 41.0	1.098	2.084	8.2	20.6
9 8	21 25.71	−20 0.6	1.128	2.070	13.4	20.8
9 18	21 20.49	−20 1.8	1.177	2.056	18.0	21.1

393568 2003 JY_{10} 8 16.8 276°.82 18°.5/31.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 8.14	+23 28.8	1.295	1.989	26.7	21.1
7 20	22 6.00	+25 18.2	1.214	1.976	25.1	20.9
7 30	22 0.76	+26 32.5	1.144	1.963	23.1	20.7
8 9	21 52.88	+27 1.3	1.087	1.949	21.1	20.5
8 19	21 43.29	+26 36.1	1.044	1.935	19.4	20.3
8 29	21 33.49	+25 13.4	1.018	1.922	18.6	20.2
9 8	21 25.15	+22 59.4	1.010	1.908	18.9	20.2
9 18	21 19.64	+20 7.3	1.020	1.894	20.5	20.2

60345 2000 AD_{76} 8 16.8 305°.25 5°.2/20.2 18

7 10	22 8.51	− 0 53.8	1.433	2.255	19.1	18.7
7 20	22 5.62	− 0 31.1	1.347	2.243	15.9	18.5
7 30	22 0.06	− 0 29.8	1.278	2.230	12.0	18.2
8 9	21 52.39	− 0 50.7	1.230	2.218	7.9	17.9
8 19	21 43.48	− 1 32.1	1.205	2.206	5.3	17.8
8 29	21 34.59	− 2 28.8	1.204	2.194	7.1	17.8
9 8	21 27.03	− 3 33.0	1.227	2.182	11.2	18.0
9 18	21 21.83	− 4 36.8	1.272	2.171	15.5	18.3

123049 2000 SA_{295} 8 16.8 207°.14 6°.3/11.6 18

7 10	22 16.85	−30 3.9	2.089	2.936	13.1	19.6
7 20	22 11.31	−30 59.5	2.017	2.932	10.5	19.4
7 30	22 3.38	−31 52.3	1.968	2.927	7.9	19.3
8 9	21 53.69	−32 35.2	1.944	2.922	6.4	19.2
8 19	21 43.15	−33 1.9	1.947	2.917	6.9	19.2
8 29	21 32.89	−33 8.2	1.976	2.911	9.1	19.3
9 8	21 23.99	−32 53.5	2.030	2.904	11.8	19.5
9 18	21 17.25	−32 19.6	2.106	2.898	14.4	19.6

6838 Okuda 8 16.8 203°.53 6°.4/22.8 18

7 10	22 10.30	+ 7 15.4	2.359	3.095	14.9	17.1
7 20	22 5.86	+ 7 45.3	2.263	3.091	12.8	17.0
7 30	21 59.61	+ 7 57.5	2.187	3.086	10.4	16.8
8 9	21 51.99	+ 7 50.5	2.134	3.081	8.1	16.7
8 19	21 43.63	+ 7 24.6	2.106	3.076	6.6	16.6
8 29	21 35.31	+ 6 42.0	2.106	3.069	6.8	16.6
9 8	21 27.84	+ 5 47.3	2.132	3.063	8.7	16.7
9 18	21 21.87	+ 4 45.7	2.183	3.056	11.1	16.8

42511 1993 FD_{77} 8 16.8 33°.48 0°.5/17.2 18 R

7 10	22 9.31	−10 5.5	1.583	2.429	16.5	19.3
7 20	22 5.75	−10 21.8	1.515	2.435	12.9	19.1
7 30	21 59.81	−10 51.9	1.467	2.441	8.7	18.9
8 9	21 52.12	−11 31.9	1.443	2.448	4.0	18.6
8 19	21 43.61	−12 16.7	1.444	2.455	1.0	18.4
8 29	21 35.40	−13 0.4	1.470	2.462	5.7	18.7
9 8	21 28.55	−13 37.4	1.522	2.470	10.1	19.0
9 18	21 23.87	−14 4.3	1.596	2.478	13.9	19.3

198560 2004 XA_{149} 8 16.8 169°.17 1°.4/15.6 18

7 10	22 11.22	−14 48.3	2.053	2.893	13.5	21.0
7 20	22 6.77	−15 26.7	1.976	2.895	10.4	20.9
7 30	22 0.27	−16 13.5	1.922	2.898	6.8	20.6
8 9	21 52.29	−17 4.3	1.893	2.899	3.0	20.4
8 19	21 43.56	−17 53.7	1.892	2.901	2.0	20.3
8 29	21 35.04	−18 36.6	1.919	2.902	5.6	20.6
9 8	21 27.61	−19 9.2	1.972	2.903	9.3	20.8
9 18	21 21.99	−19 29.5	2.050	2.903	12.5	21.0

146821 2001 YC_{129} 8 16.8 142°.85 5°.0/11.9 18

7 10	22 10.67	−26 18.0	2.246	3.099	12.0	20.1
7 20	22 6.29	−27 21.5	2.180	3.102	9.4	20.0
7 30	21 59.92	−28 25.1	2.137	3.105	6.8	19.8
8 9	21 52.11	−29 22.6	2.120	3.108	5.1	19.7
8 19	21 43.62	−30 8.4	2.130	3.110	5.6	19.8
8 29	21 35.36	−30 37.9	2.167	3.113	7.8	19.9
9 8	21 28.20	−30 49.5	2.229	3.115	10.5	20.1
9 18	21 22.83	−30 43.5	2.314	3.117	12.9	20.2

512373 2016 NG_{60} 8 16.8 282°.57 7°.5/22.0 18

7 10	22 9.71	+ 5 19.1	1.827	2.597	17.5	21.3
7 20	22 6.06	+ 6 6.4	1.727	2.579	15.1	21.1
7 30	22 0.13	+ 6 34.2	1.646	2.562	12.2	20.9
8 9	21 52.37	+ 6 39.9	1.586	2.544	9.4	20.7
8 19	21 43.51	+ 6 22.6	1.549	2.527	7.6	20.5
8 29	21 34.57	+ 5 44.4	1.538	2.509	8.1	20.5
9 8	21 26.64	+ 4 50.4	1.552	2.491	10.6	20.6
9 18	21 20.62	+ 3 47.5	1.588	2.473	13.8	20.8

96813 1999 RP_{163} 8 16.8 28°.73 4°.4/19.8 18

7 10	22 4.84	− 1 56.5	0.903	1.772	24.1	17.1
7 20	22 3.36	− 1 59.0	0.865	1.791	19.4	16.9
7 30	21 58.66	− 2 32.9	0.841	1.811	13.9	16.7
8 9	21 51.68	− 3 34.7	0.835	1.833	8.3	16.5
8 19	21 43.78	− 4 56.2	0.850	1.857	4.5	16.4
8 29	21 36.57	− 6 25.7	0.886	1.882	7.3	16.6
9 8	21 31.43	− 7 50.7	0.943	1.909	12.3	17.0
9 18	21 29.18	− 9 2.5	1.019	1.936	16.8	17.4

355132 2006 UT_{194} 8 16.8 258°.28 0°.6/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 8.49	− 9 30.6	2.116	2.944	13.6	21.5
7 20	22 4.63	− 9 49.7	2.029	2.939	10.6	21.3
7 30	21 58.86	−10 20.1	1.965	2.934	7.2	21.0
8 9	21 51.68	−10 59.1	1.925	2.929	3.4	20.8
8 19	21 43.76	−11 42.7	1.913	2.924	0.9	20.6
8 29	21 35.95	−12 26.5	1.928	2.919	4.7	20.9
9 8	21 29.10	−13 5.9	1.970	2.914	8.5	21.1
9 18	21 23.91	−13 37.6	2.037	2.909	11.8	21.3

43095 1999 XF_{8} 8 16.8 184°.43 3°.1/13.5 18

7 10	22 7.73	−20 22.3	2.431	3.279	11.4	18.7
7 20	22 3.85	−21 21.6	2.355	3.279	8.7	18.5
7 30	21 58.24	−22 25.2	2.304	3.279	5.9	18.4
8 9	21 51.36	−23 28.0	2.279	3.279	3.5	18.2
8 19	21 43.85	−24 24.9	2.282	3.279	3.6	18.2
8 29	21 36.49	−25 11.2	2.313	3.278	6.2	18.4
9 8	21 30.02	−25 43.9	2.370	3.278	9.0	18.6
9 18	21 25.06	−26 2.0	2.451	3.277	11.6	18.7

432177 2009 CU_{35} 8 16.8 270°.42 2°.9/15.0 17

7 10	22 13.70	−17 13.7	1.347	2.213	17.7	22.0
7 20	22 9.86	−17 51.9	1.274	2.207	13.8	21.7
7 30	22 2.97	−18 40.5	1.219	2.200	9.2	21.5
8 9	21 53.70	−19 32.5	1.187	2.193	4.4	21.2
8 19	21 43.17	−20 19.8	1.180	2.187	3.7	21.1
8 29	21 32.87	−20 54.5	1.197	2.180	8.3	21.4
9 8	21 24.28	−21 12.1	1.238	2.173	13.1	21.6
9 18	21 18.47	−21 11.1	1.299	2.167	17.4	21.9

516357 2017 BD_{127} 8 16.8 281°.08 2°.8/19.1 18

7 10	22 8.70	− 4 27.9	2.333	3.135	13.3	21.2
7 20	22 4.66	− 4 14.7	2.233	3.122	10.7	21.0
7 30	21 58.83	− 4 13.2	2.156	3.109	7.8	20.8
8 9	21 51.67	− 4 22.8	2.103	3.096	4.7	20.6
8 19	21 43.76	− 4 41.6	2.078	3.082	2.8	20.4
8 29	21 35.90	− 5 6.8	2.080	3.069	4.6	20.5
9 8	21 28.85	− 5 34.7	2.110	3.056	7.8	20.7
9 18	21 23.29	− 6 1.8	2.164	3.043	10.9	20.9

462562 2009 DH_{28} 8 16.8 139°.60 1°.1/16.1 17

7 10	22 15.78	−14 16.0	1.483	2.333	17.3	21.6
7 20	22 10.99	−14 35.4	1.414	2.338	13.4	21.4
7 30	22 3.43	−15 5.3	1.366	2.343	8.9	21.1
8 9	21 53.80	−15 40.7	1.341	2.347	3.9	20.8
8 19	21 43.19	−16 15.6	1.341	2.352	1.9	20.7
8 29	21 32.94	−16 43.8	1.368	2.356	6.7	21.0
9 8	21 24.34	−17 1.1	1.419	2.359	11.4	21.3
9 18	21 18.28	−17 5.7	1.493	2.363	15.4	21.6

74940 1999 TX_{174} 8 16.8 109°.48 0°.9/17.4 18

7 10	22 14.01	− 9 54.5	1.560	2.399	17.1	19.5
7 20	22 9.41	−10 1.3	1.492	2.407	13.4	19.3
7 30	22 2.26	−10 21.7	1.444	2.415	9.1	19.0
8 9	21 53.24	−10 52.0	1.419	2.423	4.3	18.8
8 19	21 43.35	−11 27.6	1.420	2.431	1.2	18.6
8 29	21 33.81	−12 2.8	1.447	2.439	5.8	18.9
9 8	21 25.76	−12 32.5	1.500	2.447	10.3	19.2
9 18	21 20.05	−12 53.5	1.575	2.454	14.2	19.4

38111 1999 JQ_{26} 8 16.8 18°.39 3°.8/19.0 18

7 10	22 4.19	− 5 2.2	0.899	1.779	23.3	17.6
7 20	22 3.04	− 4 47.4	0.853	1.787	18.7	17.4
7 30	21 58.60	− 4 59.1	0.821	1.797	13.3	17.1
8 9	21 51.74	− 5 35.0	0.807	1.809	7.5	16.9
8 19	21 43.78	− 6 28.9	0.814	1.823	3.7	16.7
8 29	21 36.39	− 7 31.0	0.841	1.838	7.4	17.0
9 8	21 31.07	− 8 30.8	0.888	1.855	12.7	17.3
9 18	21 28.72	− 9 20.2	0.955	1.873	17.5	17.7

351169 2004 BO_{11} 8 16.8 205°.82 0°.8/16.0 18

7 10	22 9.45	−12 58.4	2.365	3.196	12.2	21.9
7 20	22 5.19	−13 38.3	2.278	3.192	9.5	21.7
7 30	21 59.16	−14 27.1	2.214	3.187	6.2	21.5
8 9	21 51.80	−15 21.2	2.176	3.182	2.7	21.3
8 19	21 43.75	−16 16.1	2.166	3.176	1.4	21.2
8 29	21 35.80	−17 7.0	2.185	3.170	4.9	21.4
9 8	21 28.72	−17 49.8	2.232	3.164	8.3	21.6
9 18	21 23.17	−18 22.1	2.303	3.157	11.3	21.8

300765 2007 VL_{244} 8 16.8 315°.03 3°.0/19.1 18

7 10	22 9.01	− 4 28.3	1.845	2.662	15.7	21.0
7 20	22 5.31	− 4 19.7	1.760	2.657	12.7	20.8
7 30	21 59.47	− 4 26.2	1.695	2.653	9.1	20.6
8 9	21 52.02	− 4 46.8	1.653	2.648	5.4	20.3
8 19	21 43.71	− 5 18.8	1.637	2.644	3.0	20.2
8 29	21 35.52	− 5 57.9	1.648	2.639	5.3	20.3
9 8	21 28.43	− 6 39.0	1.685	2.635	9.1	20.5
9 18	21 23.21	− 7 17.2	1.745	2.631	12.7	20.8

321567 2009 ST_{356} 8 16.8 262°.34 2°.9/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 5.38	− 1 15.4	2.525	3.315	12.7	21.0
7 20	22 1.94	− 1 29.3	2.431	3.309	10.3	20.8
7 30	21 56.94	− 1 57.7	2.358	3.304	7.6	20.6
8 9	21 50.80	− 2 39.3	2.311	3.298	4.8	20.4
8 19	21 44.06	− 3 31.7	2.290	3.292	2.9	20.3
8 29	21 37.38	− 4 30.9	2.297	3.286	4.3	20.4
9 8	21 31.44	− 5 32.4	2.333	3.280	7.1	20.5
9 18	21 26.80	− 6 31.7	2.394	3.274	9.9	20.7

40069 1998 KQ_{55} 8 16.8 44°.03 5°.5/11.9 18

7 10	22 8.19	−20 45.9	1.473	2.348	16.0	18.5
7 20	22 5.19	−22 37.3	1.423	2.361	12.3	18.3
7 30	21 59.60	−24 35.9	1.395	2.375	8.4	18.1
8 9	21 52.09	−26 30.6	1.392	2.389	5.7	18.0
8 19	21 43.71	−28 10.8	1.413	2.404	6.5	18.1
8 29	21 35.71	−29 27.7	1.460	2.419	9.7	18.3
9 8	21 29.26	−30 17.4	1.530	2.434	13.2	18.5
9 18	21 25.19	−30 40.2	1.620	2.450	16.4	18.8

416036 2002 EO_{84} 8 16.8 163°.79 2°.5/15.1 17

7 10	22 16.89	−17 37.5	1.749	2.594	15.3	22.0
7 20	22 11.50	−18 13.7	1.678	2.599	11.8	21.8
7 30	22 3.60	−18 57.0	1.628	2.604	7.8	21.6
8 9	21 53.85	−19 41.3	1.604	2.608	3.8	21.4
8 19	21 43.22	−20 20.6	1.606	2.612	3.1	21.3
8 29	21 32.90	−20 49.2	1.635	2.615	6.9	21.6
9 8	21 24.04	−21 4.1	1.691	2.617	10.8	21.8
9 18	21 17.47	−21 4.3	1.769	2.618	14.3	22.0

244664 2003 HN_{53} 8 16.8 65°.52 3°.6/14.5 17

7 10	22 13.58	−17 19.7	1.202	2.075	19.0	20.1
7 20	22 9.72	−18 21.7	1.153	2.090	14.5	19.8
7 30	22 2.73	−19 34.2	1.124	2.106	9.5	19.6
8 9	21 53.51	−20 47.8	1.116	2.122	4.8	19.4
8 19	21 43.34	−21 52.5	1.133	2.138	4.4	19.4
8 29	21 33.78	−22 40.0	1.174	2.154	8.8	19.7
9 8	21 26.22	−23 6.0	1.237	2.170	13.3	20.0
9 18	21 21.55	−23 10.5	1.320	2.186	17.3	20.3

445401 2010 TB_{23} 8 16.8 353°.94 3°.5/14.2 15

7 10	22 9.26	−20 47.8	1.718	2.583	14.6	20.8
7 20	22 5.72	−21 21.5	1.647	2.579	11.3	20.5
7 30	21 59.82	−21 59.5	1.597	2.576	7.6	20.3
8 9	21 52.18	−22 35.9	1.571	2.574	4.2	20.1
8 19	21 43.69	−23 4.8	1.570	2.572	4.1	20.1
8 29	21 35.47	−23 21.2	1.595	2.571	7.4	20.3
9 8	21 28.58	−23 22.5	1.645	2.570	11.1	20.5
9 18	21 23.82	−23 8.2	1.716	2.570	14.5	20.7

121479 Hendershot 8 16.8 278°.61 1°.8/14.9 18

7 10	22 7.69	−16 15.1	2.301	3.144	12.1	19.9
7 20	22 4.01	−16 59.4	2.207	3.129	9.3	19.7
7 30	21 58.49	−17 51.4	2.138	3.114	6.2	19.5
8 9	21 51.57	−18 46.7	2.094	3.099	2.9	19.3
8 19	21 43.89	−19 40.4	2.077	3.084	2.4	19.2
8 29	21 36.25	−20 27.6	2.089	3.069	5.6	19.4
9 8	21 29.47	−21 4.2	2.128	3.053	8.9	19.6
9 18	21 24.24	−21 28.2	2.190	3.038	12.0	19.7

327725 2006 SQ_{188} 8 16.8 109°.90 1°.2/15.9 13 C

7 10	22 13.78	−13 23.1	1.604	2.450	16.3	22.1
7 20	22 9.17	−14 1.8	1.541	2.463	12.6	21.8
7 30	22 2.07	−14 51.9	1.500	2.476	8.3	21.6
8 9	21 53.17	−15 47.8	1.482	2.488	3.6	21.4
8 19	21 43.46	−16 42.9	1.490	2.501	1.9	21.3
8 29	21 34.14	−17 30.6	1.526	2.512	6.3	21.6
9 8	21 26.31	−18 6.3	1.587	2.524	10.6	21.9
9 18	21 20.77	−18 27.7	1.670	2.535	14.3	22.1

111101 2001 VC_{74} 8 16.8 276°.03 2°.2/18.4 18

7 10	22 11.93	− 7 30.1	2.116	2.930	14.0	19.8
7 20	22 7.33	− 7 9.0	2.022	2.920	11.2	19.6
7 30	22 0.72	− 6 57.9	1.949	2.909	7.9	19.3
8 9	21 52.58	− 6 56.0	1.901	2.899	4.4	19.1
8 19	21 43.62	− 7 1.3	1.880	2.888	2.2	18.9
8 29	21 34.73	− 7 11.0	1.887	2.877	4.9	19.1
9 8	21 26.82	− 7 22.0	1.921	2.866	8.5	19.3
9 18	21 20.64	− 7 31.4	1.979	2.856	11.9	19.5

515026 2009 SH_{354} 8 16.8 292°.06 8°.9/ 8.2 18

7 10	22 17.05	−40 42.9	2.326	3.157	12.4	20.8
7 20	22 11.58	−41 43.2	2.257	3.143	10.7	20.6
7 30	22 3.64	−42 34.2	2.210	3.129	9.4	20.5
8 9	21 53.89	−43 8.3	2.186	3.115	8.9	20.5
8 19	21 43.27	−43 19.9	2.188	3.102	9.6	20.5
8 29	21 32.97	−43 5.7	2.213	3.088	11.1	20.6
9 8	21 24.11	−42 26.5	2.262	3.074	13.0	20.7
9 18	21 17.48	−41 25.2	2.330	3.061	14.8	20.8

320020 2007 DO_{71} 8 16.8 250°.00 0°.5/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 7.12	− 9 0.0	2.468	3.288	12.1	21.9
7 20	22 3.37	− 9 30.7	2.372	3.277	9.5	21.7
7 30	21 57.97	−10 12.4	2.298	3.266	6.4	21.5
8 9	21 51.32	−11 2.5	2.251	3.254	3.0	21.2
8 19	21 43.99	−11 57.2	2.231	3.243	0.8	21.0
8 29	21 36.70	−12 52.1	2.240	3.231	4.2	21.3
9 8	21 30.18	−13 42.9	2.277	3.218	7.6	21.5
9 18	21 25.04	−14 26.1	2.340	3.206	10.7	21.6

389983 2012 TF_{256} 8 16.8 189°.21 3°.6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.51	−20 59.6	2.065	2.915	13.0	21.7
7 20	22 7.10	−21 53.8	1.990	2.915	10.0	21.5
7 30	22 0.58	−22 52.4	1.939	2.914	6.8	21.3
8 9	21 52.51	−23 49.5	1.913	2.913	4.0	21.1
8 19	21 43.66	−24 39.0	1.915	2.912	4.2	21.1
8 29	21 35.01	−25 15.8	1.944	2.911	7.0	21.3
9 8	21 27.50	−25 36.9	1.998	2.909	10.3	21.5
9 18	21 21.85	−25 41.8	2.076	2.907	13.2	21.7

259716 2003 YN_{64} 8 16.8 227°.26 1°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.19	−13 49.8	1.763	2.607	15.2	21.2
7 20	22 8.03	−14 37.3	1.677	2.599	11.8	20.9
7 30	22 1.45	−15 36.8	1.614	2.590	7.8	20.7
8 9	21 53.00	−16 43.1	1.575	2.581	3.5	20.4
8 19	21 43.51	−17 49.5	1.562	2.571	2.2	20.3
8 29	21 34.12	−18 48.9	1.577	2.561	6.5	20.5
9 8	21 25.94	−19 35.8	1.618	2.551	10.7	20.8
9 18	21 19.86	−20 7.2	1.681	2.540	14.5	21.0

172490 2003 SV_{139} 8 16.8 239°.27 0°.5/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 13.02	−10 7.0	1.638	2.476	16.5	21.0
7 20	22 8.83	−10 22.9	1.552	2.466	13.0	20.8
7 30	22 2.07	−10 52.8	1.485	2.457	8.8	20.5
8 9	21 53.32	−11 33.3	1.442	2.447	4.1	20.2
8 19	21 43.45	−12 19.4	1.425	2.437	1.1	20.0
8 29	21 33.68	−13 5.0	1.435	2.426	6.0	20.3
9 8	21 25.19	−13 44.2	1.470	2.415	10.6	20.5
9 18	21 18.96	−14 13.3	1.528	2.404	14.8	20.7

104210 Leeupton 8 16.8 63°.25 2°.2/18.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.34	− 3 30.4	1.824	2.642	15.8	19.4
7 20	22 3.90	− 4 5.7	1.757	2.656	12.6	19.2
7 30	21 58.45	− 4 59.4	1.710	2.670	8.9	19.0
8 9	21 51.55	− 6 8.2	1.687	2.684	4.9	18.8
8 19	21 43.98	− 7 26.8	1.690	2.699	2.2	18.6
8 29	21 36.67	− 8 48.6	1.721	2.713	4.9	18.9
9 8	21 30.50	−10 6.6	1.778	2.728	8.7	19.1
9 18	21 26.15	−11 15.4	1.859	2.743	12.2	19.4

104642 2000 GO_{122} 8 16.8 53°.41 3°.1/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.86	− 2 32.3	1.900	2.710	15.6	19.8
7 20	22 4.31	− 2 39.4	1.822	2.713	12.6	19.6
7 30	21 58.75	− 3 3.8	1.764	2.717	9.1	19.4
8 9	21 51.71	− 3 43.8	1.729	2.721	5.5	19.2
8 19	21 43.94	− 4 36.0	1.721	2.726	3.2	19.1
8 29	21 36.34	− 5 35.4	1.739	2.730	5.1	19.2
9 8	21 29.81	− 6 36.0	1.783	2.734	8.7	19.4
9 18	21 25.05	− 7 32.4	1.852	2.739	12.1	19.7

191033 2002 BW_{21} 8 16.8 134°.74 0°.1/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.93	−10 22.9	1.926	2.758	14.6	20.4
7 20	22 6.64	−10 56.9	1.853	2.766	11.3	20.2
7 30	22 0.27	−11 43.1	1.801	2.773	7.6	20.0
8 9	21 52.38	−12 37.4	1.775	2.780	3.4	19.8
8 19	21 43.76	−13 34.8	1.775	2.787	0.9	19.6
8 29	21 35.37	−14 29.5	1.804	2.793	5.2	19.9
9 8	21 28.13	−15 16.5	1.859	2.799	9.1	20.2
9 18	21 22.75	−15 52.6	1.938	2.805	12.5	20.4

140153 2001 SX_{166} 8 16.8 296°.50 0°.5/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.11	− 9 50.1	1.972	2.806	14.2	20.6
7 20	22 4.54	−10 12.5	1.885	2.799	11.1	20.4
7 30	21 58.95	−10 47.1	1.820	2.792	7.5	20.2
8 9	21 51.83	−11 30.9	1.780	2.785	3.5	19.9
8 19	21 43.90	−12 19.4	1.767	2.778	0.9	19.7
8 29	21 36.08	−13 7.6	1.780	2.771	5.0	20.0
9 8	21 29.28	−13 50.5	1.820	2.765	9.0	20.2
9 18	21 24.24	−14 24.4	1.884	2.758	12.5	20.4

482202 2010 VW_{118} 8 16.8 242°.47 3°.5/20.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.10	− 1 20.4	2.511	3.296	12.9	21.3
7 20	22 4.05	− 1 8.1	2.416	3.290	10.6	21.2
7 30	21 58.39	− 1 8.7	2.343	3.283	7.9	21.0
8 9	21 51.51	− 1 21.7	2.294	3.277	5.2	20.8
8 19	21 44.00	− 1 45.6	2.272	3.270	3.5	20.7
8 29	21 36.56	− 2 17.6	2.278	3.264	4.6	20.8
9 8	21 29.88	− 2 54.1	2.312	3.257	7.3	20.9
9 18	21 24.57	− 3 31.3	2.372	3.250	10.1	21.1

51449 2001 FH_{29} 8 16.8 14°.81 1°.1/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 5.65	−10 54.2	1.195	2.068	19.1	18.2
7 20	22 3.70	−11 53.1	1.134	2.071	14.8	18.0
7 30	21 58.89	−13 11.6	1.092	2.075	9.7	17.7
8 9	21 51.93	−14 42.8	1.072	2.080	4.2	17.4
8 19	21 43.89	−16 16.4	1.075	2.085	2.1	17.3
8 29	21 36.18	−17 41.7	1.101	2.092	7.5	17.7
9 8	21 30.15	−18 49.9	1.151	2.099	12.6	18.0
9 18	21 26.72	−19 36.5	1.220	2.107	16.9	18.3

124305 2001 QN_{64} 8 16.8 316°.45 0°.1/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.97	−12 21.8	1.130	2.003	19.9	19.5
7 20	22 7.56	−12 24.7	1.051	1.987	15.7	19.2
7 30	22 1.85	−12 43.0	0.990	1.971	10.7	18.8
8 9	21 53.43	−13 12.6	0.948	1.956	4.9	18.5
8 19	21 43.43	−13 47.4	0.930	1.941	1.4	18.2
8 29	21 33.50	−14 19.7	0.933	1.927	7.7	18.5
9 8	21 25.33	−14 42.7	0.959	1.914	13.6	18.8
9 18	21 20.20	−14 52.2	1.003	1.902	18.7	19.1

371979 2008 GR_{66} 8 16.8 172°.57 1°.3/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.06	− 6 41.2	1.985	2.800	14.8	22.3
7 20	22 7.50	− 7 9.6	1.903	2.803	11.7	22.0
7 30	22 0.86	− 7 52.9	1.843	2.806	8.1	21.8
8 9	21 52.68	− 8 47.9	1.807	2.808	4.1	21.6
8 19	21 43.70	− 9 50.0	1.799	2.810	1.4	21.4
8 29	21 34.88	−10 53.6	1.820	2.811	4.9	21.7
9 8	21 27.15	−11 52.9	1.867	2.811	8.8	21.9
9 18	21 21.25	−12 43.6	1.939	2.810	12.3	22.1

224130 2005 QH_{25} 8 16.8 239°.56 0°.4/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.01	−11 26.3	1.780	2.619	15.3	21.3
7 20	22 7.07	−11 59.8	1.694	2.612	11.9	21.1
7 30	22 0.79	−12 46.3	1.629	2.603	8.0	20.8
8 9	21 52.73	−13 41.8	1.589	2.595	3.5	20.5
8 19	21 43.68	−14 40.5	1.575	2.586	1.2	20.3
8 29	21 34.72	−15 36.0	1.588	2.577	5.8	20.6
9 8	21 26.94	−16 22.7	1.627	2.567	10.1	20.9
9 18	21 21.19	−16 57.0	1.689	2.558	14.0	21.1

475334 2006 AW_{34} 8 16.8 224°.03 3°.8/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 13.57	− 3 3.2	2.006	2.802	15.3	22.5
7 20	22 8.73	− 2 36.1	1.913	2.795	12.5	22.3
7 30	22 1.74	− 2 22.6	1.840	2.788	9.2	22.1
8 9	21 53.11	− 2 22.7	1.792	2.780	5.9	21.9
8 19	21 43.58	− 2 35.0	1.771	2.772	3.8	21.7
8 29	21 34.11	− 2 56.5	1.777	2.763	5.6	21.8
9 8	21 25.70	− 3 23.2	1.810	2.754	9.0	22.0
9 18	21 19.11	− 3 50.7	1.867	2.745	12.4	22.2

313328 2002 FE_{4} 8 16.8 107°.41 3°.7/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 15.06	−18 22.7	1.531	2.388	16.4	21.3
7 20	22 10.33	−19 30.5	1.476	2.404	12.6	21.1
7 30	22 2.93	−20 46.2	1.442	2.420	8.3	20.9
8 9	21 53.62	−22 1.6	1.432	2.435	4.5	20.7
8 19	21 43.46	−23 8.0	1.448	2.450	4.4	20.7
8 29	21 33.77	−23 58.4	1.491	2.464	8.0	21.0
9 8	21 25.72	−24 29.1	1.558	2.478	12.0	21.3
9 18	21 20.15	−24 39.9	1.646	2.492	15.4	21.5

476027 2007 RY_{206} 8 16.8 286°.57 0°.3/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.25	− 9 41.7	1.854	2.691	14.8	21.4
7 20	22 4.82	−10 12.0	1.767	2.682	11.6	21.2
7 30	21 59.23	−10 56.0	1.701	2.674	7.9	20.9
8 9	21 52.01	−11 50.3	1.660	2.665	3.6	20.7
8 19	21 43.89	−12 49.8	1.645	2.657	0.9	20.4
8 29	21 35.86	−13 48.5	1.658	2.648	5.3	20.7
9 8	21 28.91	−14 40.6	1.696	2.640	9.5	21.0
9 18	21 23.82	−15 22.0	1.757	2.632	13.2	21.2

380805 2005 XF_{81} 8 16.8 90°.64 2°.2/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.12	− 6 37.6	1.705	2.530	16.5	21.3
7 20	22 7.77	− 6 36.0	1.635	2.539	13.1	21.1
7 30	22 1.12	− 6 49.2	1.585	2.548	9.1	20.8
8 9	21 52.80	− 7 15.0	1.558	2.557	4.9	20.6
8 19	21 43.70	− 7 49.6	1.557	2.566	2.2	20.5
8 29	21 34.89	− 8 28.1	1.583	2.575	5.4	20.7
9 8	21 27.39	− 9 5.2	1.635	2.584	9.4	21.0
9 18	21 21.98	− 9 36.8	1.711	2.593	13.1	21.2

30096 Glindadavidson 8 16.8 39°.57 1°.0/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.24	− 8 32.0	1.289	2.145	19.0	18.5
7 20	22 6.13	− 8 54.1	1.233	2.158	14.9	18.3
7 30	22 0.29	− 9 34.3	1.196	2.171	10.1	18.0
8 9	21 52.48	−10 28.2	1.181	2.185	4.8	17.8
8 19	21 43.80	−11 28.7	1.189	2.200	1.3	17.6
8 29	21 35.56	−12 28.1	1.222	2.216	6.3	17.9
9 8	21 28.99	−13 19.1	1.279	2.232	11.1	18.3
9 18	21 24.91	−13 57.2	1.357	2.248	15.3	18.6

178370 1997 EM_4 8 16.8 59°.41 0°.4/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 11.46	− 9 50.2	1.367	2.218	18.3	20.7
7 20	22 7.71	−10 16.4	1.310	2.233	14.3	20.4
7 30	22 1.27	−10 58.8	1.272	2.248	9.5	20.2
8 9	21 52.91	−11 52.3	1.257	2.263	4.4	20.0
8 19	21 43.69	−12 50.2	1.267	2.278	1.1	19.8
8 29	21 34.92	−13 45.0	1.301	2.294	6.2	20.2
9 8	21 27.81	−14 30.4	1.360	2.309	11.0	20.5
9 18	21 23.16	−15 2.6	1.441	2.325	15.0	20.8

287099 2002 RK_{127} 8 16.8 283°.11 7°.1/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.09	+ 7 31.4	1.971	2.727	16.9	20.6
7 20	22 3.84	+ 7 54.5	1.875	2.716	14.5	20.5
7 30	21 58.56	+ 7 55.7	1.798	2.706	11.8	20.3
8 9	21 51.72	+ 7 33.3	1.743	2.696	9.2	20.1
8 19	21 43.99	+ 6 47.7	1.711	2.685	7.3	19.9
8 29	21 36.27	+ 5 42.1	1.704	2.675	7.5	19.9
9 8	21 29.49	+ 4 22.7	1.724	2.665	9.6	20.0
9 18	21 24.43	+ 2 56.8	1.767	2.654	12.5	20.2

478416 2012 DE_{97} 8 16.8 172°.18 6°.1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.08	−33 36.6	2.826	3.667	10.2	21.8
7 20	22 6.40	−34 52.1	2.764	3.669	8.3	21.7
7 30	21 59.95	−36 3.6	2.727	3.671	6.8	21.6
8 9	21 52.23	−37 5.3	2.717	3.673	6.1	21.6
8 19	21 43.88	−37 52.3	2.733	3.674	6.7	21.6
8 29	21 35.69	−38 21.4	2.776	3.675	8.3	21.7
9 8	21 28.44	−38 31.4	2.844	3.676	10.1	21.8
9 18	21 22.73	−38 23.4	2.933	3.676	11.8	22.0

516316 2016 YC_{12} 8 16.8 222°.14 5°.1/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.43	−29 50.2	2.696	3.538	10.6	21.6
7 20	22 7.42	−30 35.9	2.619	3.532	8.4	21.4
7 30	22 0.63	−31 19.1	2.567	3.526	6.4	21.3
8 9	21 52.53	−31 54.8	2.541	3.519	5.1	21.2
8 19	21 43.81	−32 18.5	2.543	3.513	5.6	21.2
8 29	21 35.27	−32 27.2	2.572	3.506	7.4	21.3
9 8	21 27.70	−32 19.8	2.627	3.499	9.6	21.4
9 18	21 21.71	−31 57.0	2.705	3.491	11.7	21.6

261708 2006 AG_2 8 16.8 172°.18 1°.5/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.47	− 6 15.6	2.755	3.558	11.4	21.7
7 20	22 3.39	− 6 30.3	2.668	3.560	9.1	21.5
7 30	21 57.85	− 6 55.3	2.603	3.562	6.3	21.3
8 9	21 51.27	− 7 28.8	2.565	3.563	3.4	21.1
8 19	21 44.17	− 8 8.1	2.555	3.564	1.5	21.0
8 29	21 37.17	− 8 49.9	2.574	3.565	3.7	21.2
9 8	21 30.90	− 9 30.6	2.622	3.566	6.6	21.4
9 18	21 25.87	−10 7.3	2.695	3.566	9.3	21.5

144323 2004 DN_{20} 8 16.8 76°.10 3°.4/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 13.06	− 4 30.5	1.521	2.344	18.2	19.6
7 20	22 8.72	− 4 15.3	1.455	2.356	14.6	19.4
7 30	22 1.86	− 4 17.7	1.409	2.369	10.4	19.2
8 9	21 53.17	− 4 36.2	1.386	2.381	6.1	19.0
8 19	21 43.64	− 5 7.5	1.387	2.393	3.4	18.8
8 29	21 34.48	− 5 46.3	1.414	2.405	6.0	19.0
9 8	21 26.80	− 6 26.7	1.466	2.417	10.1	19.3
9 18	21 21.42	− 7 3.3	1.541	2.429	13.9	19.6

221466 2006 BG_{118} 8 16.8 260°.67 1°.1/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.65	− 6 37.1	2.650	3.458	11.7	21.6
7 20	22 2.98	− 7 10.1	2.543	3.440	9.3	21.4
7 30	21 57.73	− 7 55.3	2.459	3.421	6.4	21.2
8 9	21 51.28	− 8 50.4	2.400	3.401	3.3	21.0
8 19	21 44.15	− 9 52.2	2.371	3.381	1.1	20.8
8 29	21 36.99	−10 56.4	2.370	3.361	4.0	21.0
9 8	21 30.50	−11 58.2	2.398	3.340	7.2	21.1
9 18	21 25.27	−12 54.0	2.452	3.320	10.2	21.3

476689 2008 TL_{99} 8 16.8 311°.82 1°.6/17.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.85	− 7 21.0	1.496	2.342	17.3	22.3
7 20	22 4.40	− 7 33.4	1.401	2.319	13.9	22.1
7 30	21 59.37	− 8 3.9	1.325	2.297	9.7	21.8
8 9	21 52.24	− 8 50.6	1.271	2.274	5.0	21.4
8 19	21 43.85	− 9 48.8	1.242	2.253	1.7	21.2
8 29	21 35.39	−10 51.6	1.237	2.231	6.1	21.4
9 8	21 28.13	−11 51.4	1.257	2.211	11.1	21.6
9 18	21 23.12	−12 41.8	1.298	2.191	15.7	21.8

127930 2003 GX_{53} 8 16.8 17°.41 4°.8/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.63	−18 13.0	1.365	2.243	16.8	18.3
7 20	22 4.30	−19 58.2	1.306	2.247	12.9	18.1
7 30	21 59.24	−21 55.4	1.267	2.250	8.6	17.9
8 9	21 52.11	−23 54.0	1.252	2.255	5.2	17.7
8 19	21 43.94	−25 42.2	1.262	2.260	5.8	17.7
8 29	21 36.06	−27 9.4	1.297	2.265	9.6	18.0
9 8	21 29.73	−28 9.8	1.354	2.271	13.6	18.2
9 18	21 25.88	−28 42.1	1.431	2.278	17.2	18.5

252989 2002 QJ_{99} 8 16.8 54°.50 3°.7/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 12.73	−17 4.6	1.200	2.075	18.9	20.2
7 20	22 8.98	−18 14.0	1.159	2.097	14.4	20.0
7 30	22 2.21	−19 33.5	1.137	2.120	9.4	19.8
8 9	21 53.34	−20 53.3	1.138	2.143	4.8	19.6
8 19	21 43.65	−22 3.3	1.163	2.167	4.5	19.7
8 29	21 34.65	−22 55.3	1.211	2.191	8.6	20.0
9 8	21 27.64	−23 25.3	1.283	2.215	13.0	20.3
9 18	21 23.41	−23 33.5	1.374	2.239	16.8	20.6

21235 1995 WG_2 8 16.8 180°.99 5°.4/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.39	+ 3 33.6	2.193	2.957	15.1	18.7
7 20	22 6.06	+ 3 55.3	2.105	2.958	12.7	18.5
7 30	21 59.86	+ 3 59.6	2.037	2.958	10.0	18.3
8 9	21 52.26	+ 3 46.1	1.992	2.958	7.2	18.2
8 19	21 43.93	+ 3 15.7	1.973	2.958	5.5	18.1
8 29	21 35.69	+ 2 31.6	1.981	2.957	6.1	18.1
9 8	21 28.39	+ 1 38.6	2.016	2.956	8.5	18.3
9 18	21 22.69	+ 0 42.1	2.075	2.955	11.3	18.4

423102 2004 BG_5 8 16.8 191°.26 1°.0/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 15.29	−14 21.1	1.997	2.830	14.1	22.2
7 20	22 10.07	−14 46.4	1.914	2.828	10.9	22.0
7 30	22 2.63	−15 20.0	1.853	2.826	7.2	21.7
8 9	21 53.53	−15 58.0	1.818	2.824	3.2	21.5
8 19	21 43.58	−16 35.4	1.810	2.820	1.6	21.3
8 29	21 33.80	−17 7.4	1.831	2.816	5.6	21.6
9 8	21 25.19	−17 30.3	1.879	2.812	9.5	21.8
9 18	21 18.54	−17 42.2	1.951	2.806	12.9	22.1

481645 2007 VT_{135} 8 16.9 302°.73 8°.4/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.27	−30 13.9	1.727	2.595	14.4	21.0
7 20	22 7.18	−31 59.3	1.642	2.568	11.7	20.7
7 30	22 1.32	−33 47.0	1.579	2.540	9.4	20.5
8 9	21 53.18	−35 26.4	1.540	2.512	8.4	20.4
8 19	21 43.64	−36 47.2	1.526	2.484	9.6	20.4
8 29	21 34.00	−37 40.7	1.535	2.456	12.2	20.5
9 8	21 25.68	−38 3.4	1.567	2.429	15.3	20.6
9 18	21 19.79	−37 56.1	1.617	2.402	18.3	20.8

343517 2010 EF_{125} 8 16.9 80°.29 4°.3/13.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 13.91	−22 59.6	1.844	2.699	14.2	20.4
7 20	22 9.05	−23 46.6	1.788	2.714	10.9	20.2
7 30	22 1.90	−24 35.5	1.754	2.729	7.5	20.0
8 9	21 53.15	−25 19.6	1.746	2.743	4.7	19.9
8 19	21 43.74	−25 53.0	1.763	2.758	4.8	19.9
8 29	21 34.75	−26 11.3	1.808	2.773	7.6	20.1
9 8	21 27.19	−26 12.8	1.878	2.788	10.8	20.4
9 18	21 21.75	−25 58.2	1.970	2.802	13.8	20.6

179642 2002 PW_{128} 8 16.9 341°.69 6°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 5.33	−23 32.2	1.368	2.254	16.3	18.8
7 20	22 3.52	−24 57.5	1.298	2.241	12.8	18.6
7 30	21 58.88	−26 29.3	1.249	2.229	9.1	18.3
8 9	21 52.04	−27 57.7	1.223	2.218	6.6	18.2
8 19	21 44.00	−29 11.8	1.220	2.209	7.5	18.2
8 29	21 36.14	−30 2.8	1.240	2.200	10.9	18.4
9 8	21 29.84	−30 26.0	1.281	2.193	14.7	18.6
9 18	21 26.10	−30 21.7	1.342	2.186	18.3	18.8

523570 2018 DL_2 8 16.9 83°.97 1°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.10	− 9 11.9	2.210	3.031	13.3	21.1
7 20	22 5.72	− 9 14.5	2.134	3.039	10.4	20.9
7 30	21 59.54	− 9 27.1	2.081	3.047	7.1	20.7
8 9	21 52.09	− 9 47.3	2.054	3.056	3.5	20.5
8 19	21 44.04	−10 12.1	2.053	3.064	1.2	20.4
8 29	21 36.20	−10 38.0	2.081	3.072	4.4	20.6
9 8	21 29.36	−11 1.5	2.136	3.081	7.8	20.8
9 18	21 24.12	−11 19.8	2.216	3.089	10.9	21.1

92204 1999 XZ_{251} 8 16.9 340°.09 0°.2/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.83	−10 28.7	2.011	2.848	13.8	20.2
7 20	22 3.52	−10 51.7	1.928	2.844	10.8	20.0
7 30	21 58.28	−11 26.3	1.867	2.839	7.3	19.8
8 9	21 51.59	−12 9.0	1.830	2.835	3.3	19.5
8 19	21 44.16	−12 55.7	1.820	2.831	0.8	19.3
8 29	21 36.86	−13 41.4	1.837	2.828	4.9	19.6
9 8	21 30.55	−14 21.3	1.880	2.825	8.7	19.8
9 18	21 25.93	−14 52.3	1.947	2.822	12.1	20.0

350884 2002 QW_{104} 8 16.9 301°.34 0°.4/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.86	−13 25.7	1.851	2.692	14.7	20.8
7 20	22 7.58	−13 33.8	1.770	2.688	11.4	20.6
7 30	22 1.05	−13 50.7	1.710	2.685	7.6	20.4
8 9	21 52.86	−14 13.0	1.675	2.681	3.4	20.1
8 19	21 43.82	−14 36.5	1.667	2.678	1.1	19.9
8 29	21 34.98	−14 56.9	1.686	2.675	5.5	20.2
9 8	21 27.33	−15 10.5	1.730	2.672	9.6	20.5
9 18	21 21.66	−15 15.2	1.798	2.669	13.2	20.7

295765 2008 UK_{163} 8 16.9 149°.38 0°.1/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 12.43	−11 25.7	2.262	3.085	13.0	21.7
7 20	22 7.49	−11 46.5	2.186	3.093	10.1	21.5
7 30	22 0.72	−12 16.2	2.132	3.102	6.7	21.3
8 9	21 52.63	−12 51.8	2.104	3.109	3.0	21.1
8 19	21 43.91	−13 29.4	2.105	3.116	0.8	20.9
8 29	21 35.40	−14 4.8	2.134	3.123	4.6	21.2
9 8	21 27.90	−14 34.5	2.191	3.129	8.1	21.4
9 18	21 22.04	−14 56.2	2.273	3.135	11.1	21.7

201026 2002 CD_{282} 8 16.9 305°.67 0°.6/17.2 18

7 10	22 10.00	−10 52.9	1.523	2.373	16.9	20.5
7 20	22 6.83	−10 57.0	1.430	2.352	13.4	20.2
7 30	22 1.00	−11 14.5	1.356	2.331	9.1	19.9
8 9	21 53.02	−11 42.5	1.304	2.310	4.3	19.6
8 19	21 43.76	−12 16.7	1.277	2.289	1.1	19.3
8 29	21 34.46	−12 51.0	1.276	2.268	6.3	19.6
9 8	21 26.43	−13 19.9	1.298	2.248	11.3	19.8
9 18	21 20.71	−13 39.2	1.342	2.229	15.7	20.0

80424 1999 XE_{217} 8 16.9 279°.30 1°.1/17.6 18

7 10	22 11.78	− 9 21.4	1.551	2.392	17.1	20.2
7 20	22 8.07	− 9 25.8	1.464	2.380	13.5	19.9
7 30	22 1.73	− 9 44.6	1.396	2.367	9.3	19.6
8 9	21 53.31	−10 15.3	1.350	2.354	4.6	19.3
8 19	21 43.70	−10 53.5	1.330	2.341	1.3	19.1
8 29	21 34.15	−11 33.2	1.336	2.328	6.0	19.3
9 8	21 25.92	−12 8.6	1.366	2.316	10.9	19.6
9 18	21 20.00	−12 35.4	1.419	2.303	15.2	19.8

222928 2002 LA_{54} 8 16.9 8°.12 7°.4/24.4 18

7 10	22 4.44	+ 9 30.2	2.028	2.775	16.7	19.6
7 20	22 1.66	+ 9 51.5	1.945	2.776	14.5	19.5
7 30	21 57.03	+ 9 50.0	1.881	2.778	11.9	19.3
8 9	21 51.04	+ 9 24.5	1.837	2.780	9.4	19.2
8 19	21 44.35	+ 8 35.7	1.816	2.783	7.7	19.1
8 29	21 37.76	+ 7 27.1	1.821	2.786	7.6	19.1
9 8	21 32.12	+ 6 4.9	1.851	2.790	9.2	19.2
9 18	21 28.08	+ 4 36.4	1.905	2.794	11.7	19.3

5110 Belgirate 8 16.9 303°.06 0°.6/17.2 18

7 10	22 11.87	−11 9.1	1.452	2.303	17.5	16.4
7 20	22 8.30	−11 8.4	1.369	2.291	13.8	16.2
7 30	22 1.95	−11 20.8	1.305	2.279	9.4	15.9
8 9	21 53.42	−11 43.1	1.263	2.268	4.4	15.6
8 19	21 43.68	−12 10.8	1.245	2.257	1.1	15.3
8 29	21 34.05	−12 38.3	1.253	2.246	6.3	15.6
9 8	21 25.85	−13 0.1	1.285	2.235	11.4	15.9
9 18	21 20.12	−13 12.8	1.339	2.225	15.8	16.1

184260 2004 TJ_{124} 8 16.9 27°.29 0°.7/17.5 18

7 10	22 6.41	− 8 40.5	1.870	2.707	14.7	19.6
7 20	22 3.25	− 9 8.9	1.800	2.714	11.5	19.5
7 30	21 58.10	− 9 51.0	1.751	2.722	7.8	19.2
8 9	21 51.51	−10 43.1	1.726	2.730	3.7	19.0
8 19	21 44.25	−11 40.4	1.727	2.738	1.0	18.8
8 29	21 37.20	−12 37.1	1.755	2.747	4.9	19.1
9 8	21 31.25	−13 27.9	1.809	2.757	8.8	19.4
9 18	21 27.07	−14 9.0	1.887	2.766	12.2	19.6

62209 2000 SF_{61} 8 16.9 340°.32 1°.8/15.6 18

7 10	22 8.40	−14 36.1	1.425	2.291	16.9	19.3
7 20	22 5.59	−15 12.9	1.351	2.284	13.1	19.0
7 30	22 0.10	−16 2.2	1.297	2.278	8.7	18.7
8 9	21 52.57	−16 58.3	1.266	2.273	3.9	18.5
8 19	21 43.94	−17 53.8	1.258	2.268	2.5	18.4
8 29	21 35.52	−18 41.2	1.276	2.263	7.2	18.6
9 8	21 28.56	−19 14.7	1.317	2.260	11.9	18.9
9 18	21 24.00	−19 31.6	1.380	2.257	16.0	19.1

273320 2006 TU_{20} 8 16.9 250°.43 0°.1/16.8 18

7 10	22 12.70	−11 10.4	1.782	2.617	15.4	21.8
7 20	22 8.52	−11 34.8	1.687	2.602	12.1	21.5
7 30	22 1.90	−12 12.1	1.614	2.586	8.2	21.3
8 9	21 53.36	−12 58.8	1.565	2.570	3.7	21.0
8 19	21 43.72	−13 49.7	1.542	2.553	1.1	20.7
8 29	21 34.06	−14 38.7	1.546	2.536	5.8	21.0
9 8	21 25.56	−15 20.2	1.577	2.518	10.3	21.3
9 18	21 19.12	−15 50.6	1.631	2.500	14.3	21.5

444245 2005 UF_{159} 8 16.9 331°.97 20°.4/ 5.1 17

7 10	22 4.00	+26 16.4	1.065	1.775	30.7	20.7
7 20	22 3.22	+28 4.4	1.001	1.770	28.9	20.5
7 30	21 59.17	+29 7.7	0.944	1.765	26.8	20.3
8 9	21 52.39	+29 14.6	0.897	1.760	24.5	20.1
8 19	21 43.95	+28 15.4	0.862	1.756	22.3	20.0
8 29	21 35.51	+26 7.7	0.842	1.753	20.7	19.9
9 8	21 28.85	+23 0.5	0.839	1.750	20.5	19.8
9 18	21 25.33	+19 12.5	0.852	1.747	21.6	19.9

504360 2007 UN_{85} 8 16.9 276°.05 2°.1/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 11.09	− 6 44.1	1.451	2.289	18.1	22.4
7 20	22 7.74	− 6 49.8	1.363	2.276	14.6	22.2
7 30	22 1.63	− 7 13.8	1.294	2.262	10.2	21.9
8 9	21 53.32	− 7 54.2	1.247	2.249	5.4	21.6
8 19	21 43.73	− 8 46.3	1.225	2.235	2.1	21.3
8 29	21 34.14	− 9 43.6	1.228	2.221	6.3	21.6
9 8	21 25.91	−10 38.5	1.255	2.207	11.3	21.8
9 18	21 20.11	−11 24.9	1.304	2.194	15.8	22.0

4369 Seifert 8 16.9 328°.01 5°.1/18.9 18

7 10	22 11.55	− 6 3.5	1.348	2.189	19.1	15.3
7 20	22 8.39	− 4 50.8	1.255	2.165	15.8	15.0
7 30	22 2.27	− 3 49.0	1.180	2.142	11.7	14.7
8 9	21 53.70	− 3 0.0	1.126	2.119	7.5	14.4
8 19	21 43.62	− 2 24.7	1.095	2.098	5.1	14.2
8 29	21 33.43	− 2 2.6	1.088	2.078	7.7	14.3
9 8	21 24.64	− 1 50.7	1.104	2.059	12.3	14.5
9 18	21 18.46	− 1 44.6	1.141	2.041	16.8	14.7

373770 2002 TM_{273} 8 16.9 258°.29 1°.7/15.7 17

7 10	22 14.42	−15 53.8	1.769	2.614	15.1	21.6
7 20	22 9.93	−16 20.1	1.675	2.597	11.8	21.3
7 30	22 2.89	−16 55.4	1.602	2.579	7.9	21.0
8 9	21 53.83	−17 34.9	1.554	2.560	3.6	20.7
8 19	21 43.61	−18 12.9	1.532	2.541	2.4	20.6
8 29	21 33.40	−18 43.5	1.538	2.522	6.6	20.8
9 8	21 24.40	−19 2.5	1.569	2.502	11.0	21.1
9 18	21 17.59	−19 7.9	1.622	2.482	14.9	21.3

251354 2007 TY_{131} 8 16.9 88°.67 3°.3/19.2 17

7 10	22 10.66	− 3 16.9	1.415	2.244	19.0	20.8
7 20	22 7.23	− 3 23.6	1.342	2.246	15.4	20.5
7 30	22 1.14	− 3 52.1	1.287	2.248	11.1	20.3
8 9	21 53.03	− 4 40.6	1.254	2.251	6.4	20.0
8 19	21 43.85	− 5 44.4	1.246	2.253	3.3	19.9
8 29	21 34.91	− 6 56.0	1.262	2.255	6.2	20.1
9 8	21 27.43	− 8 7.2	1.303	2.258	10.8	20.3
9 18	21 22.35	− 9 10.6	1.366	2.260	15.0	20.6

180156 2003 GJ_{39} 8 16.9 155°.87 2°.7/19.7 18

7 10	22 6.69	− 1 54.3	2.360	3.154	13.4	20.6
7 20	22 3.09	− 2 16.3	2.274	3.156	10.8	20.5
7 30	21 57.84	− 2 53.7	2.209	3.158	7.8	20.3
8 9	21 51.39	− 3 44.6	2.169	3.160	4.7	20.1
8 19	21 44.32	− 4 45.8	2.157	3.161	2.7	20.0
8 29	21 37.35	− 5 53.0	2.173	3.163	4.3	20.1
9 8	21 31.22	− 7 0.7	2.216	3.164	7.4	20.3
9 18	21 26.50	− 8 4.4	2.285	3.166	10.3	20.5

163901 2003 SG_{222} 8 16.9 331°.66 0°.3/17.1 18

7 10	22 7.74	−10 37.1	1.527	2.380	16.7	20.0
7 20	22 4.92	−10 52.4	1.446	2.370	13.1	19.7
7 30	21 59.60	−11 22.0	1.384	2.360	8.9	19.5
8 9	21 52.35	−12 2.4	1.344	2.350	4.1	19.2
8 19	21 44.04	−12 48.4	1.330	2.341	1.0	18.9
8 29	21 35.85	−13 33.6	1.340	2.333	6.0	19.2
9 8	21 28.96	−14 11.9	1.375	2.325	10.7	19.5
9 18	21 24.29	−14 39.3	1.432	2.318	14.9	19.7

358261 2006 TV_{45} 8 16.9 294°.99 0°.8/17.5 18

7 10	22 8.25	− 9 5.8	2.022	2.852	14.1	21.5
7 20	22 4.64	− 9 24.9	1.936	2.846	11.1	21.3
7 30	21 59.06	− 9 56.4	1.871	2.840	7.5	21.1
8 9	21 51.99	−10 37.3	1.830	2.834	3.6	20.8
8 19	21 44.15	−11 23.7	1.817	2.828	1.0	20.6
8 29	21 36.40	−12 10.6	1.831	2.822	4.8	20.9
9 8	21 29.65	−12 53.1	1.871	2.817	8.7	21.1
9 18	21 24.61	−13 27.7	1.936	2.811	12.1	21.3

6043 Aurochs 8 16.9 328°.57 0°.2/17.0 18 R

7 10	22 5.29	− 8 37.6	1.266	2.129	18.8	16.3
7 20	22 3.52	− 9 20.6	1.187	2.117	14.8	16.0
7 30	21 58.96	−10 25.7	1.127	2.106	10.1	15.7
8 9	21 52.16	−11 48.4	1.088	2.095	4.6	15.4
8 19	21 44.08	−13 20.6	1.073	2.084	1.2	15.1
8 29	21 36.08	−14 51.6	1.081	2.075	6.9	15.5
9 8	21 29.55	−16 11.4	1.113	2.066	12.3	15.7
9 18	21 25.57	−17 13.2	1.165	2.058	17.1	16.0

181295 2006 PH_{21} 8 16.9 313°.41 1°.5/15.9 18

7 10	22 7.20	−12 26.9	1.270	2.140	18.3	19.9
7 20	22 5.13	−13 13.6	1.188	2.123	14.4	19.6
7 30	22 0.12	−14 18.9	1.125	2.107	9.6	19.3
8 9	21 52.72	−15 36.8	1.083	2.091	4.3	19.0
8 19	21 43.91	−16 58.6	1.065	2.075	2.3	18.8
8 29	21 35.12	−18 14.0	1.071	2.060	7.8	19.1
9 8	21 27.84	−19 14.2	1.099	2.046	13.2	19.3
9 18	21 23.21	−19 54.1	1.147	2.032	17.9	19.6

345895 2007 RC_{93} 8 16.9 244°.44 1°.7/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 11.43	−16 8.8	1.909	2.756	14.1	21.3
7 20	22 7.21	−16 37.9	1.831	2.754	10.9	21.1
7 30	22 0.81	−17 14.6	1.775	2.751	7.2	20.9
8 9	21 52.79	−17 54.2	1.743	2.749	3.3	20.6
8 19	21 43.94	−18 31.7	1.739	2.747	2.3	20.6
8 29	21 35.30	−19 1.9	1.761	2.745	6.0	20.8
9 8	21 27.82	−19 21.3	1.810	2.742	9.8	21.0
9 18	21 22.28	−19 28.3	1.882	2.740	13.2	21.2

136423 2005 CH_{50} 8 16.9 79°.09 0°.7/16.4 17

7 10	22 11.57	−11 16.4	1.401	2.255	17.9	20.3
7 20	22 7.91	−12 0.4	1.339	2.264	13.9	20.1
7 30	22 1.54	−13 0.3	1.296	2.273	9.2	19.9
8 9	21 53.17	−14 9.9	1.275	2.282	4.0	19.6
8 19	21 43.85	−15 21.5	1.280	2.291	1.6	19.4
8 29	21 34.88	−16 26.7	1.311	2.301	6.6	19.8
9 8	21 27.51	−17 18.9	1.366	2.310	11.4	20.1
9 18	21 22.60	−17 54.7	1.442	2.319	15.4	20.4

365719 2010 VA_{177} 8 16.9 155°.75 4°.0/21.0 18

7 10	22 7.55	+ 1 17.0	2.521	3.293	13.2	21.3
7 20	22 3.63	+ 1 25.9	2.433	3.295	10.9	21.1
7 30	21 58.14	+ 1 20.3	2.367	3.298	8.3	20.9
8 9	21 51.51	+ 1 0.6	2.324	3.299	5.7	20.8
8 19	21 44.30	+ 0 28.2	2.309	3.301	4.1	20.7
8 29	21 37.19	− 0 13.8	2.321	3.303	4.9	20.7
9 8	21 30.86	− 1 1.3	2.360	3.304	7.2	20.9
9 18	21 25.88	− 1 50.0	2.426	3.306	9.8	21.1

250103 2002 HB 8 16.9 9°.43 21°.8/14.3 18

7 10	22 48.12	−57 1.3	0.991	1.809	26.1	18.0
7 20	22 39.30	−57 46.4	0.960	1.811	24.3	17.8
7 30	22 23.21	−57 53.0	0.940	1.814	22.8	17.7
8 9	22 2.58	−57 1.5	0.935	1.819	21.9	17.7
8 19	21 41.58	−55 2.0	0.946	1.826	21.9	17.7
8 29	21 24.25	−51 59.3	0.974	1.835	22.8	17.8
9 8	21 12.74	−48 10.9	1.020	1.845	24.3	18.0
9 18	21 7.26	−43 57.8	1.082	1.857	26.1	18.2

387937 2005 EP_{44} 8 16.9 33°.22 0°.7/16.4 18

7 10	22 10.50	−13 21.3	1.738	2.585	15.2	21.3
7 20	22 6.61	−13 41.7	1.667	2.589	11.8	21.1
7 30	22 0.44	−14 12.3	1.617	2.593	7.8	20.9
8 9	21 52.62	−14 48.7	1.591	2.597	3.4	20.6
8 19	21 44.00	−15 25.8	1.591	2.602	1.4	20.5
8 29	21 35.65	−15 58.6	1.618	2.607	5.7	20.8
9 8	21 28.57	−16 22.7	1.670	2.611	9.8	21.0
9 18	21 23.53	−16 35.8	1.745	2.617	13.4	21.3

403979 2012 BR_{103} 8 16.9 169°.15 3°.9/12.5 18

7 10	22 9.14	−24 4.1	2.630	3.477	10.7	21.2
7 20	22 4.92	−25 5.6	2.558	3.479	8.3	21.0
7 30	21 59.02	−26 8.7	2.511	3.481	5.8	20.9
8 9	21 51.91	−27 8.2	2.490	3.482	4.0	20.8
8 19	21 44.20	−27 59.3	2.497	3.484	4.4	20.8
8 29	21 36.64	−28 37.9	2.533	3.485	6.5	20.9
9 8	21 29.95	−29 1.8	2.595	3.486	9.0	21.1
9 18	21 24.71	−29 10.6	2.680	3.486	11.3	21.2

445786 2011 YR_{77} 8 16.9 210°.33 0°.8/16.1 18

7 10	22 10.75	−15 0.9	2.609	3.437	11.3	21.8
7 20	22 6.08	−15 15.9	2.521	3.433	8.7	21.6
7 30	21 59.76	−15 36.5	2.456	3.429	5.8	21.4
8 9	21 52.24	−15 59.7	2.418	3.424	2.6	21.2
8 19	21 44.11	−16 22.3	2.409	3.419	1.3	21.1
8 29	21 36.11	−16 41.3	2.428	3.413	4.4	21.3
9 8	21 28.94	−16 54.0	2.476	3.408	7.6	21.5
9 18	21 23.19	−16 58.9	2.549	3.402	10.3	21.7

290715 2005 UO_{417} 8 16.9 285°.74 1°.0/15.9 18

7 10	22 8.02	−13 47.6	2.168	3.008	12.9	21.1
7 20	22 4.37	−14 22.9	2.081	3.000	10.0	20.9
7 30	21 58.84	−15 7.2	2.016	2.992	6.6	20.7
8 9	21 51.89	−15 56.7	1.977	2.984	2.9	20.5
8 19	21 44.20	−16 46.6	1.966	2.976	1.6	20.3
8 29	21 36.60	−17 32.1	1.982	2.968	5.2	20.6
9 8	21 29.93	−18 8.9	2.025	2.960	8.8	20.8
9 18	21 24.88	−18 34.5	2.092	2.952	12.0	21.0

31487 Parthchopra 8 16.9 150°.68 3°.7/14.5 18

7 10	22 17.75	−20 2.4	1.575	2.429	16.2	18.7
7 20	22 12.53	−20 44.3	1.509	2.435	12.5	18.5
7 30	22 4.53	−21 31.7	1.464	2.441	8.4	18.2
8 9	21 54.50	−22 17.6	1.444	2.446	4.6	18.0
8 19	21 43.51	−22 54.7	1.449	2.451	4.3	18.0
8 29	21 32.91	−23 17.3	1.480	2.455	7.9	18.3
9 8	21 23.98	−23 22.5	1.537	2.459	12.0	18.5
9 18	21 17.58	−23 10.8	1.615	2.462	15.6	18.8

15452 Ibramohammed 8 16.9 239°.91 2°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 12.96	−16 6.1	1.732	2.581	15.2	18.6
7 20	22 8.70	−16 39.8	1.650	2.574	11.8	18.4
7 30	22 1.98	−17 22.5	1.590	2.568	7.8	18.1
8 9	21 53.38	−18 8.9	1.555	2.561	3.6	17.8
8 19	21 43.79	−18 52.9	1.546	2.554	2.6	17.8
8 29	21 34.36	−19 28.5	1.563	2.546	6.6	18.0
9 8	21 26.22	−19 51.6	1.606	2.539	10.8	18.2
9 18	21 20.24	−20 0.3	1.671	2.531	14.5	18.4

374023 2004 EE_{43} 8 16.9 131°.11 1°.6/15.7 17

7 10	22 15.06	−15 15.4	1.833	2.673	14.9	21.6
7 20	22 9.95	−15 49.9	1.767	2.686	11.4	21.4
7 30	22 2.57	−16 32.8	1.722	2.697	7.5	21.2
8 9	21 53.55	−17 18.9	1.703	2.708	3.4	20.9
8 19	21 43.78	−18 2.5	1.710	2.719	2.1	20.9
8 29	21 34.34	−18 38.3	1.746	2.729	6.0	21.2
9 8	21 26.25	−19 2.8	1.807	2.739	9.9	21.4
9 18	21 20.24	−19 14.4	1.892	2.748	13.3	21.7

26390 Rušin 8 16.9 296°.22 9°.6/ 9.5 18

7 10	22 17.08	−35 58.9	1.732	2.586	15.0	18.3
7 20	22 12.33	−37 13.2	1.667	2.577	12.6	18.1
7 30	22 4.58	−38 20.2	1.623	2.567	10.5	18.0
8 9	21 54.59	−39 10.2	1.602	2.558	9.6	17.9
8 19	21 43.48	−39 35.0	1.605	2.549	10.3	17.9
8 29	21 32.74	−39 29.7	1.631	2.540	12.4	18.0
9 8	21 23.76	−38 54.8	1.680	2.531	15.0	18.2
9 18	21 17.50	−37 54.5	1.747	2.523	17.5	18.3

400444 2008 EX_{34} 8 16.9 86°.68 0°.2/17.0 18

7 10	22 10.30	−10 56.9	2.287	3.111	12.8	21.2
7 20	22 5.77	−11 18.1	2.223	3.131	9.9	21.1
7 30	21 59.52	−11 48.3	2.182	3.151	6.6	20.9
8 9	21 52.11	−12 24.3	2.167	3.171	3.0	20.7
8 19	21 44.19	−13 2.4	2.179	3.191	0.7	20.5
8 29	21 36.54	−13 38.4	2.220	3.210	4.3	20.8
9 8	21 29.90	−14 9.1	2.289	3.229	7.7	21.1
9 18	21 24.83	−14 32.1	2.383	3.248	10.5	21.3

105013 2000 KH_{13} 8 16.9 282°.62 4°.1/19.7 18

7 10	22 9.96	− 2 18.5	1.637	2.452	17.4	19.9
7 20	22 6.50	− 2 6.2	1.548	2.442	14.3	19.7
7 30	22 0.61	− 2 12.6	1.478	2.432	10.6	19.4
8 9	21 52.82	− 2 37.4	1.430	2.421	6.6	19.2
8 19	21 43.95	− 3 18.1	1.407	2.411	4.1	19.0
8 29	21 35.12	− 4 9.9	1.410	2.400	6.1	19.1
9 8	21 27.48	− 5 6.2	1.437	2.390	10.1	19.3
9 18	21 21.95	− 6 0.4	1.488	2.380	14.1	19.5

80228 1999 VN_{170} 8 16.9 246°.25 0°.5/17.3 18

7 10	22 13.38	− 9 54.2	1.861	2.688	15.2	21.1
7 20	22 8.97	−10 11.6	1.763	2.672	12.0	20.9
7 30	22 2.18	−10 41.9	1.686	2.655	8.2	20.6
8 9	21 53.52	−11 22.3	1.634	2.638	3.9	20.3
8 19	21 43.76	−12 8.1	1.608	2.619	1.0	20.1
8 29	21 33.98	−12 54.1	1.610	2.601	5.5	20.4
9 8	21 25.27	−13 34.8	1.638	2.581	9.9	20.6
9 18	21 18.56	−14 6.3	1.691	2.561	13.9	20.8

424564 2008 FJ_{67} 8 16.9 133°.57 0°.2/17.0 17

7 10	22 13.07	−10 10.1	1.767	2.599	15.7	22.1
7 20	22 8.52	−10 39.0	1.696	2.609	12.2	21.9
7 30	22 1.69	−11 20.9	1.647	2.618	8.2	21.6
8 9	21 53.20	−12 11.8	1.621	2.626	3.7	21.4
8 19	21 43.91	−13 6.2	1.623	2.635	0.9	21.2
8 29	21 34.88	−13 58.1	1.652	2.642	5.4	21.5
9 8	21 27.16	−14 42.3	1.707	2.650	9.6	21.8
9 18	21 21.48	−15 15.4	1.786	2.656	13.2	22.1

32901 1994 PB_{9} 8 16.9 90°.63 0°.1/16.9 18

7 10	22 10.87	−12 19.8	2.175	3.006	13.2	19.0
7 20	22 6.41	−12 28.1	2.099	3.011	10.2	18.9
7 30	22 0.08	−12 44.6	2.045	3.017	6.8	18.7
8 9	21 52.42	−13 6.4	2.017	3.022	3.1	18.4
8 19	21 44.12	−13 30.0	2.016	3.027	0.8	18.3
8 29	21 36.04	−13 51.7	2.043	3.032	4.6	18.6
9 8	21 28.98	−14 8.4	2.097	3.038	8.2	18.8
9 18	21 23.59	−14 18.0	2.176	3.043	11.3	19.0

512546 2016 SH_{10} 8 16.9 320°.91 0°.5/17.3 18

7 10	22 5.00	− 8 57.6	1.428	2.285	17.4	20.6
7 20	22 3.13	− 9 27.3	1.335	2.261	13.8	20.3
7 30	21 58.66	−10 16.2	1.261	2.238	9.5	20.0
8 9	21 52.07	−11 21.0	1.210	2.215	4.5	19.6
8 19	21 44.18	−12 35.8	1.182	2.193	1.1	19.3
8 29	21 36.22	−13 51.9	1.178	2.172	6.5	19.6
9 8	21 29.50	−15 0.6	1.198	2.151	11.7	19.9
9 18	21 25.08	−15 55.5	1.240	2.132	16.3	20.1

294151 2007 TA_{328} 8 16.9 47°.39 0°.5/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 11.45	−11 3.7	1.768	2.606	15.4	21.0
7 20	22 7.27	−11 7.8	1.696	2.612	12.0	20.8
7 30	22 0.86	−11 22.7	1.646	2.618	8.1	20.5
8 9	21 52.83	−11 45.4	1.620	2.625	3.8	20.3
8 19	21 44.03	−12 11.8	1.620	2.631	0.9	20.1
8 29	21 35.52	−12 37.4	1.647	2.638	5.3	20.4
9 8	21 28.27	−12 58.1	1.699	2.645	9.4	20.7
9 18	21 23.03	−13 11.2	1.775	2.652	13.0	20.9

320459 2007 VP_{234} 8 16.9 297°.36 5°.0/19.9 18

7 10	22 9.54	− 2 3.2	1.352	2.181	19.7	20.9
7 20	22 6.84	− 1 38.1	1.258	2.160	16.3	20.7
7 30	22 1.27	− 1 34.0	1.182	2.139	12.3	20.3
8 9	21 53.31	− 1 52.2	1.127	2.118	7.9	20.0
8 19	21 43.84	− 2 31.2	1.094	2.097	5.1	19.8
8 29	21 34.23	− 3 25.9	1.085	2.076	7.3	19.9
9 8	21 25.95	− 4 28.4	1.099	2.056	12.0	20.1
9 18	21 20.18	− 5 30.3	1.133	2.036	16.7	20.3

348775 2006 KR_{35} 8 16.9 345°.57 2°.7/14.3 18

7 10	22 6.08	−14 9.8	1.622	2.483	15.5	20.1
7 20	22 3.54	−15 41.5	1.547	2.479	11.9	19.8
7 30	21 58.64	−17 28.4	1.495	2.476	7.8	19.6
8 9	21 51.94	−19 22.7	1.467	2.473	3.8	19.4
8 19	21 44.26	−21 14.7	1.465	2.470	3.6	19.3
8 29	21 36.69	−22 54.5	1.490	2.468	7.5	19.6
9 8	21 30.36	−24 14.9	1.540	2.466	11.7	19.8
9 18	21 26.11	−25 12.3	1.612	2.465	15.3	20.0

350481 1999 TL_2 8 16.9 337°.49 5°.1/13.8 18

7 10	22 3.25	−20 42.0	1.109	2.007	18.4	19.1
7 20	22 2.58	−21 23.9	1.029	1.980	14.4	18.8
7 30	21 58.72	−22 15.1	0.967	1.954	9.9	18.4
8 9	21 52.22	−23 7.3	0.925	1.929	5.8	18.1
8 19	21 44.15	−23 50.5	0.904	1.907	6.0	18.1
8 29	21 36.10	−24 15.3	0.905	1.886	10.4	18.2
9 8	21 29.77	−24 15.8	0.925	1.868	15.5	18.4
9 18	21 26.43	−23 51.1	0.963	1.852	20.2	18.7

121599 1999 VF_{135} 8 16.9 151°.75 4°.2/13.3 17

7 10	22 16.81	−25 18.7	2.313	3.152	12.2	20.3
7 20	22 10.95	−25 59.4	2.246	3.161	9.5	20.2
7 30	22 3.07	−26 39.9	2.202	3.170	6.7	20.0
8 9	21 53.76	−27 14.5	2.185	3.178	4.5	19.9
8 19	21 43.82	−27 38.5	2.197	3.185	4.7	19.9
8 29	21 34.20	−27 48.3	2.236	3.192	7.0	20.1
9 8	21 25.77	−27 42.9	2.302	3.198	9.8	20.3
9 18	21 19.20	−27 23.1	2.391	3.203	12.3	20.5

482724 2013 EO_{32} 8 16.9 175°.38 0°.8/17.8 18

7 10	22 8.34	− 8 6.9	2.655	3.466	11.6	22.5
7 20	22 4.18	− 8 33.3	2.569	3.468	9.1	22.4
7 30	21 58.50	− 9 9.9	2.506	3.469	6.2	22.2
8 9	21 51.71	− 9 54.2	2.469	3.470	3.1	22.0
8 19	21 44.36	−10 43.0	2.460	3.471	0.9	21.8
8 29	21 37.11	−11 32.3	2.481	3.471	3.8	22.0
9 8	21 30.63	−12 18.3	2.530	3.471	6.9	22.2
9 18	21 25.45	−12 58.1	2.605	3.471	9.7	22.4

515280 2012 TY_{158} 8 16.9 295°.68 1°.1/17.8 18

7 10	22 8.32	− 7 55.7	1.689	2.526	16.1	21.8
7 20	22 5.23	− 8 17.5	1.597	2.510	12.8	21.6
7 30	21 59.79	− 8 55.5	1.525	2.495	8.8	21.3
8 9	21 52.49	− 9 47.2	1.476	2.479	4.4	21.0
8 19	21 44.12	−10 47.6	1.452	2.463	1.3	20.7
8 29	21 35.75	−11 50.2	1.455	2.448	5.6	21.0
9 8	21 28.50	−12 48.4	1.483	2.433	10.2	21.2
9 18	21 23.28	−13 36.7	1.534	2.417	14.3	21.5

48987 1998 QL_{47} 8 16.9 306°.47 5°.8/21.3 18

7 10	22 7.07	+ 2 13.4	1.480	2.289	19.3	19.4
7 20	22 4.53	+ 2 21.9	1.393	2.277	16.2	19.2
7 30	21 59.47	+ 2 5.3	1.323	2.266	12.5	18.9
8 9	21 52.39	+ 1 22.4	1.274	2.255	8.6	18.7
8 19	21 44.15	+ 0 15.6	1.248	2.245	5.9	18.5
8 29	21 35.93	− 1 9.1	1.246	2.234	7.1	18.5
9 8	21 28.94	− 2 42.5	1.268	2.224	10.8	18.7
9 18	21 24.19	− 4 15.0	1.313	2.215	14.9	18.9

236496 2006 GB_{19} 8 16.9 225°.22 2°.5/14.8 18

7 10	22 12.30	−17 53.6	2.079	2.923	13.2	21.1
7 20	22 7.83	−18 36.7	1.994	2.915	10.2	20.9
7 30	22 1.25	−19 26.5	1.931	2.907	6.8	20.7
8 9	21 53.05	−20 18.0	1.894	2.899	3.4	20.4
8 19	21 44.01	−21 5.6	1.885	2.890	3.0	20.4
8 29	21 35.07	−21 43.9	1.903	2.880	6.3	20.6
9 8	21 27.19	−22 9.4	1.948	2.870	9.8	20.8
9 18	21 21.15	−22 20.7	2.016	2.860	13.0	21.0

519466 2012 BR_{157} 8 16.9 181°.67 1°.8/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 10.10	−17 57.3	2.707	3.541	10.8	22.2
7 20	22 5.54	−18 26.0	2.626	3.542	8.3	22.0
7 30	21 59.39	−18 58.9	2.568	3.542	5.4	21.8
8 9	21 52.12	−19 32.3	2.538	3.542	2.7	21.7
8 19	21 44.28	−20 2.7	2.536	3.542	2.2	21.6
8 29	21 36.59	−20 26.7	2.563	3.541	4.8	21.8
9 8	21 29.73	−20 42.1	2.618	3.540	7.6	22.0
9 18	21 24.24	−20 47.7	2.698	3.538	10.2	22.2

442713 2012 UA_{162} 8 16.9 295°.90 5°.2/20.6 18

7 10	22 8.98	+ 0 9.8	1.756	2.557	17.0	21.3
7 20	22 5.67	+ 0 35.2	1.658	2.539	14.2	21.0
7 30	22 0.07	+ 0 42.3	1.580	2.522	10.9	20.8
8 9	21 52.63	+ 0 30.3	1.523	2.504	7.4	20.5
8 19	21 44.11	+ 0 0.1	1.491	2.487	5.3	20.4
8 29	21 35.54	− 0 44.8	1.484	2.470	6.5	20.4
9 8	21 28.01	− 1 38.5	1.502	2.453	10.0	20.6
9 18	21 22.42	− 2 34.4	1.544	2.436	13.7	20.8

276184 2002 PU_{162} 8 16.9 309°.74 1°.2/16.1 18

7 10	22 7.15	−12 6.1	1.310	2.178	18.0	20.3
7 20	22 5.13	−12 48.5	1.220	2.154	14.2	20.0
7 30	22 0.21	−13 49.5	1.149	2.130	9.5	19.7
8 9	21 52.87	−15 4.3	1.099	2.107	4.3	19.3
8 19	21 44.03	−16 24.6	1.073	2.084	2.1	19.1
8 29	21 35.08	−17 40.5	1.071	2.061	7.7	19.4
9 8	21 27.52	−18 42.8	1.092	2.040	13.2	19.6
9 18	21 22.56	−19 25.8	1.133	2.019	18.0	19.8

234015 1998 FJ_2 8 16.9 187°.12 9°.7/ 9.4 18

7 10	22 31.67	−44 11.0	2.330	3.129	13.3	20.8
7 20	22 22.87	−45 4.3	2.269	3.129	11.6	20.7
7 30	22 11.16	−45 44.3	2.230	3.128	10.3	20.6
8 9	21 57.42	−46 2.6	2.216	3.127	9.7	20.5
8 19	21 42.91	−45 53.4	2.228	3.124	10.2	20.6
8 29	21 29.11	−45 14.7	2.265	3.121	11.6	20.7
9 8	21 17.29	−44 9.2	2.326	3.118	13.3	20.8
9 18	21 8.30	−42 42.4	2.408	3.113	15.0	20.9

385139 2013 SW_{86} 8 16.9 289°.38 0°.1/16.8 18

7 10	22 12.22	−11 48.3	1.541	2.389	16.8	21.7
7 20	22 8.73	−12 2.1	1.440	2.361	13.3	21.4
7 30	22 2.44	−12 29.6	1.358	2.334	9.1	21.1
8 9	21 53.84	−13 7.4	1.300	2.306	4.2	20.8
8 19	21 43.77	−13 50.4	1.266	2.278	1.2	20.5
8 29	21 33.52	−14 31.9	1.258	2.249	6.6	20.8
9 8	21 24.48	−15 5.6	1.275	2.221	11.8	21.0
9 18	21 17.82	−15 27.6	1.313	2.192	16.5	21.2

182291 2001 KV_{72} 8 16.9 22°.38 0°.9/16.4 17

7 10	22 9.51	−13 23.1	1.116	1.994	19.8	19.3
7 20	22 6.86	−13 38.8	1.063	2.001	15.4	19.1
7 30	22 1.10	−14 8.6	1.028	2.010	10.2	18.8
8 9	21 53.08	−14 46.8	1.013	2.021	4.5	18.5
8 19	21 44.04	−15 26.0	1.021	2.032	1.8	18.4
8 29	21 35.52	−15 58.7	1.052	2.044	7.3	18.8
9 8	21 28.92	−16 19.3	1.105	2.057	12.5	19.1
9 18	21 25.14	−16 25.5	1.177	2.071	16.9	19.4

382269 2012 TC_{160} 8 16.9 178°.78 0°.5/16.4 17

7 10	22 11.02	−12 10.2	2.205	3.034	13.1	22.1
7 20	22 6.60	−12 45.5	2.123	3.035	10.1	21.9
7 30	22 0.29	−13 30.5	2.064	3.036	6.7	21.7
8 9	21 52.58	−14 21.4	2.031	3.037	3.0	21.5
8 19	21 44.17	−15 13.7	2.026	3.037	1.1	21.3
8 29	21 35.89	−16 2.5	2.049	3.036	4.9	21.6
9 8	21 28.59	−16 43.4	2.100	3.035	8.5	21.8
9 18	21 22.94	−17 14.0	2.175	3.034	11.7	22.0

339101 2004 RN_{173} 8 16.9 318°.04 9°.2/10.9 18

7 10	22 14.94	−32 4.3	1.443	2.313	16.5	19.4
7 20	22 11.25	−33 7.1	1.368	2.293	13.6	19.2
7 30	22 4.24	−34 6.3	1.312	2.274	10.8	19.0
8 9	21 54.63	−34 51.1	1.279	2.255	9.2	18.8
8 19	21 43.60	−35 11.7	1.268	2.237	10.0	18.8
8 29	21 32.82	−35 1.8	1.281	2.219	12.7	18.9
9 8	21 23.89	−34 20.8	1.314	2.202	16.1	19.1
9 18	21 17.96	−33 12.7	1.366	2.186	19.3	19.3

131658 2001 XM_{118} 8 16.9 308°.94 5°.9/12.9 18

7 10	22 10.13	−21 18.8	1.203	2.087	18.2	19.5
7 20	22 7.79	−22 31.2	1.127	2.069	14.3	19.2
7 30	22 2.14	−23 54.1	1.070	2.052	9.9	19.0
8 9	21 53.77	−25 17.3	1.035	2.036	6.4	18.7
8 19	21 43.81	−26 29.0	1.022	2.019	6.9	18.7
8 29	21 33.92	−27 18.3	1.032	2.003	11.1	18.9
9 8	21 25.81	−27 39.6	1.063	1.988	15.8	19.1
9 18	21 20.74	−27 32.5	1.113	1.974	20.1	19.3

319383 2006 DS_{174} 8 16.9 91°.65 1°.4/18.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 9.02	− 5 45.6	1.820	2.644	15.6	21.2
7 20	22 5.34	− 6 25.6	1.750	2.654	12.3	21.0
7 30	21 59.57	− 7 22.6	1.700	2.665	8.5	20.8
8 9	21 52.28	− 8 32.9	1.674	2.676	4.3	20.5
8 19	21 44.26	− 9 50.8	1.675	2.686	1.4	20.4
8 29	21 36.47	−11 9.6	1.704	2.697	5.0	20.6
9 8	21 29.83	−12 22.5	1.759	2.707	9.0	20.9
9 18	21 25.06	−13 24.7	1.839	2.717	12.5	21.1

508530 2016 RR_{23} 8 16.9 239°.42 2°.9/14.3 18

7 10	22 10.51	−18 1.5	1.979	2.829	13.5	21.1
7 20	22 6.57	−18 58.1	1.897	2.822	10.4	20.9
7 30	22 0.47	−20 2.4	1.838	2.815	6.9	20.7
8 9	21 52.74	−21 8.6	1.804	2.808	3.6	20.5
8 19	21 44.13	−22 10.3	1.798	2.801	3.5	20.4
8 29	21 35.62	−23 1.4	1.819	2.793	6.7	20.6
9 8	21 28.22	−23 37.7	1.865	2.785	10.3	20.8
9 18	21 22.68	−23 57.5	1.934	2.777	13.6	21.0

514065 2014 PO_{6} 8 16.9 100°.27 3°.1/19.6 18

7 10	22 10.06	− 3 26.6	2.445	3.237	13.0	21.3
7 20	22 5.61	− 3 5.8	2.360	3.241	10.5	21.1
7 30	21 59.49	− 2 56.4	2.298	3.245	7.7	20.9
8 9	21 52.19	− 2 57.9	2.260	3.248	4.8	20.7
8 19	21 44.29	− 3 8.8	2.250	3.252	3.1	20.6
8 29	21 36.53	− 3 26.5	2.269	3.256	4.5	20.7
9 8	21 29.63	− 3 47.9	2.314	3.259	7.3	20.9
9 18	21 24.17	− 4 9.7	2.386	3.263	10.1	21.1

509054 2005 SY_{289} 8 16.9 317°.79 0°.9/16.4 18

7 10	22 9.15	−13 43.6	1.327	2.194	17.9	21.7
7 20	22 6.61	−13 57.1	1.240	2.173	14.1	21.4
7 30	22 1.13	−14 23.5	1.172	2.152	9.5	21.0
8 9	21 53.25	−14 58.7	1.125	2.132	4.3	20.7
8 19	21 43.96	−15 36.4	1.102	2.113	1.8	20.5
8 29	21 34.65	−16 9.4	1.102	2.094	7.3	20.7
9 8	21 26.82	−16 31.8	1.126	2.076	12.6	21.0
9 18	21 21.61	−16 40.0	1.170	2.059	17.4	21.2

83872 2001 UC_{93} 8 16.9 358°.15 7°.8/10.6 17

7 10	21 58.08	−21 7.6	0.948	1.862	19.3	17.9
7 20	21 58.74	−23 16.1	0.896	1.856	14.9	17.6
7 30	21 56.17	−25 37.8	0.863	1.851	10.6	17.4
8 9	21 51.04	−27 57.0	0.849	1.848	7.9	17.2
8 19	21 44.58	−29 56.8	0.857	1.848	9.4	17.3
8 29	21 38.44	−31 22.9	0.885	1.849	13.4	17.5
9 8	21 34.24	−32 9.1	0.931	1.853	17.8	17.8
9 18	21 33.05	−32 16.0	0.993	1.859	21.6	18.1

79707 1998 SJ_{98} 8 16.9 11°.51 3°.1/19.2 18

7 10	22 6.15	− 3 30.7	1.249	2.096	20.0	18.9
7 20	22 4.05	− 3 45.4	1.183	2.098	16.1	18.6
7 30	21 59.20	− 4 24.6	1.133	2.100	11.5	18.4
8 9	21 52.27	− 5 26.0	1.105	2.103	6.5	18.1
8 19	21 44.26	− 6 43.5	1.099	2.107	3.1	17.9
8 29	21 36.52	− 8 8.1	1.117	2.112	6.4	18.2
9 8	21 30.33	− 9 29.8	1.158	2.118	11.2	18.4
9 18	21 26.62	−10 40.5	1.220	2.124	15.7	18.7

166551 2002 RH_{68} 8 16.9 225°.71 2°.4/18.8 18

7 10	22 12.72	− 6 4.5	2.200	3.005	13.9	20.2
7 20	22 7.95	− 5 48.5	2.107	2.998	11.2	20.0
7 30	22 1.23	− 5 43.7	2.035	2.991	8.0	19.8
8 9	21 53.04	− 5 48.9	1.989	2.984	4.6	19.6
8 19	21 44.07	− 6 2.3	1.970	2.977	2.4	19.4
8 29	21 35.17	− 6 20.9	1.979	2.969	4.7	19.6
9 8	21 27.23	− 6 41.2	2.016	2.961	8.2	19.8
9 18	21 20.94	− 6 59.9	2.077	2.952	11.4	19.9

209849 2005 HD_{9} 8 16.9 136°.60 2°.6/14.6 18

7 10	22 11.06	−18 21.2	2.019	2.867	13.4	21.1
7 20	22 6.83	−19 6.0	1.946	2.870	10.3	20.9
7 30	22 0.53	−19 56.8	1.897	2.873	6.8	20.7
8 9	21 52.72	−20 48.2	1.872	2.876	3.5	20.5
8 19	21 44.17	−21 34.7	1.875	2.879	3.2	20.5
8 29	21 35.84	−22 11.2	1.905	2.881	6.3	20.7
9 8	21 28.64	−22 34.4	1.961	2.884	9.8	20.9
9 18	21 23.28	−22 43.3	2.041	2.886	12.8	21.1

109724 2001 RS_{55} 8 16.9 268°.12 0°.1/16.9 18

7 10	22 8.77	− 8 37.5	1.703	2.541	15.9	19.8
7 20	22 5.59	− 9 29.3	1.612	2.528	12.5	19.6
7 30	22 0.05	−10 39.3	1.542	2.515	8.5	19.3
8 9	21 52.64	−12 3.3	1.496	2.502	3.9	19.0
8 19	21 44.16	−13 34.4	1.477	2.488	1.0	18.8
8 29	21 35.67	−15 4.4	1.484	2.475	5.9	19.1
9 8	21 28.30	−16 25.2	1.517	2.461	10.5	19.3
9 18	21 22.97	−17 31.4	1.573	2.447	14.5	19.5

243908 2001 FE_{95} 8 16.9 189°.80 5°.4/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 16.18	−29 2.1	2.439	3.279	11.6	21.3
7 20	22 10.57	−29 56.6	2.366	3.278	9.2	21.2
7 30	22 2.91	−30 49.1	2.317	3.276	6.9	21.0
8 9	21 53.77	−31 33.7	2.294	3.273	5.5	20.9
8 19	21 43.91	−32 5.0	2.299	3.270	5.9	20.9
8 29	21 34.26	−32 19.3	2.331	3.267	7.9	21.1
9 8	21 25.73	−32 15.6	2.389	3.263	10.3	21.2
9 18	21 19.02	−31 54.9	2.471	3.258	12.6	21.4

425620 2010 VA_{62} 8 16.9 231°.02 2°.3/18.5 18

7 10	22 14.33	− 6 33.9	1.792	2.609	16.1	21.6
7 20	22 9.73	− 6 27.5	1.700	2.599	12.9	21.4
7 30	22 2.71	− 6 35.2	1.628	2.589	9.1	21.1
8 9	21 53.82	− 6 55.5	1.580	2.578	5.0	20.9
8 19	21 43.87	− 7 25.4	1.558	2.567	2.3	20.7
8 29	21 33.96	− 8 0.3	1.564	2.555	5.5	20.9
9 8	21 25.22	− 8 35.2	1.595	2.543	9.8	21.1
9 18	21 18.54	− 9 5.7	1.651	2.530	13.7	21.3

78326 2002 PQ_{82} 8 16.9 206°.61 2°.6/15.1 18

7 10	22 15.22	−19 53.6	1.932	2.777	14.0	18.7
7 20	22 10.13	−20 9.0	1.855	2.777	10.8	18.5
7 30	22 2.77	−20 27.9	1.801	2.776	7.2	18.3
8 9	21 53.74	−20 45.5	1.772	2.775	3.7	18.1
8 19	21 43.92	−20 57.2	1.770	2.775	3.1	18.1
8 29	21 34.37	−20 59.2	1.795	2.774	6.4	18.3
9 8	21 26.11	−20 49.7	1.847	2.773	10.0	18.5
9 18	21 19.90	−20 28.4	1.922	2.772	13.3	18.7

259456 2003 SH_{88} 8 16.9 310°.47 0°.9/16.2 18

7 10	22 8.04	−14 17.6	2.115	2.958	13.1	20.6
7 20	22 4.56	−14 38.6	2.018	2.938	10.2	20.4
7 30	21 59.11	−15 7.9	1.943	2.919	6.8	20.2
8 9	21 52.14	−15 42.2	1.893	2.899	3.0	19.9
8 19	21 44.33	−16 17.2	1.870	2.880	1.5	19.8
8 29	21 36.53	−16 48.4	1.874	2.861	5.3	20.0
9 8	21 29.64	−17 11.9	1.904	2.842	9.1	20.2
9 18	21 24.42	−17 25.4	1.959	2.824	12.5	20.4

291238 2006 BU_{34} 8 16.9 168°.94 0°.7/16.2 18

7 10	22 8.65	−13 55.1	2.521	3.352	11.6	21.9
7 20	22 4.54	−14 21.4	2.439	3.353	8.9	21.8
7 30	21 58.80	−14 54.8	2.381	3.354	5.9	21.6
8 9	21 51.90	−15 31.8	2.349	3.355	2.6	21.4
8 19	21 44.42	−16 9.0	2.345	3.356	1.2	21.3
8 29	21 37.07	−16 42.4	2.370	3.356	4.4	21.5
9 8	21 30.56	−17 9.1	2.423	3.357	7.6	21.7
9 18	21 25.47	−17 27.2	2.501	3.357	10.4	21.9

51133 2000 HZ_{43} 8 16.9 183°.46 2°.2/19.2 18

7 10	22 9.10	− 3 31.6	2.460	3.254	12.9	20.5
7 20	22 4.93	− 3 49.8	2.370	3.254	10.4	20.3
7 30	21 59.10	− 4 21.5	2.303	3.254	7.4	20.1
8 9	21 52.05	− 5 5.0	2.261	3.254	4.3	19.9
8 19	21 44.37	− 5 57.4	2.246	3.253	2.2	19.8
8 29	21 36.79	− 6 54.4	2.261	3.251	4.2	19.9
9 8	21 30.01	− 7 51.4	2.304	3.249	7.3	20.1
9 18	21 24.64	− 8 44.5	2.372	3.247	10.2	20.3

477999 2011 SF_{138} 8 16.9 311°.95 2°.5/15.0 18

7 10	22 11.83	−18 40.1	1.877	2.729	14.1	21.2
7 20	22 7.65	−19 7.1	1.799	2.724	10.9	21.0
7 30	22 1.20	−19 39.6	1.742	2.719	7.3	20.8
8 9	21 53.08	−20 12.7	1.710	2.715	3.6	20.6
8 19	21 44.11	−20 41.0	1.705	2.710	3.1	20.5
8 29	21 35.34	−20 59.9	1.726	2.706	6.5	20.7
9 8	21 27.78	−21 6.5	1.773	2.702	10.2	21.0
9 18	21 22.23	−20 59.7	1.843	2.697	13.6	21.2

224090 2005 NO_{123} 8 16.9 30°.44 3°.7/19.5 17

7 10	22 6.98	− 2 57.4	1.139	1.990	21.3	20.4
7 20	22 4.74	− 3 3.3	1.086	2.003	17.1	20.2
7 30	21 59.63	− 3 35.0	1.050	2.017	12.3	20.0
8 9	21 52.44	− 4 29.7	1.034	2.032	7.1	19.7
8 19	21 44.29	− 5 41.1	1.040	2.048	3.7	19.6
8 29	21 36.60	− 6 59.9	1.069	2.065	6.6	19.8
9 8	21 30.65	− 8 16.1	1.121	2.083	11.3	20.1
9 18	21 27.31	− 9 21.7	1.194	2.101	15.7	20.5

247908 2003 VS 8 16.9 221°.58 6°.8/12.1 17

7 10	22 26.36	−32 26.2	2.158	2.985	13.4	20.8
7 20	22 18.89	−33 9.8	2.072	2.973	10.9	20.6
7 30	22 8.70	−33 48.3	2.010	2.959	8.5	20.5
8 9	21 56.47	−34 14.2	1.974	2.945	6.9	20.3
8 19	21 43.22	−34 20.9	1.966	2.930	7.3	20.3
8 29	21 30.24	−34 4.7	1.985	2.914	9.5	20.4
9 8	21 18.78	−33 25.9	2.031	2.897	12.2	20.6
9 18	21 9.76	−32 27.5	2.099	2.878	14.8	20.7

434087 2002 CV_{69} 8 16.9 255°.96 0°.7/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 11.03	−11 57.4	1.960	2.795	14.2	21.6
7 20	22 7.09	−12 37.0	1.862	2.777	11.1	21.4
7 30	22 0.93	−13 29.2	1.786	2.759	7.4	21.1
8 9	21 53.03	−14 29.8	1.735	2.741	3.3	20.8
8 19	21 44.12	−15 33.5	1.711	2.722	1.3	20.6
8 29	21 35.16	−16 33.9	1.715	2.702	5.6	20.9
9 8	21 27.20	−17 25.5	1.746	2.683	9.8	21.1
9 18	21 21.09	−18 4.6	1.800	2.662	13.5	21.3

471233 2011 AF_{52} 8 16.9 284°.41 0°.6/17.7 18

7 10	22 6.29	− 5 40.8	2.425	3.235	12.6	21.0
7 20	22 3.01	− 6 49.4	2.313	3.211	10.0	20.8
7 30	21 58.01	− 8 15.0	2.224	3.188	6.9	20.6
8 9	21 51.66	− 9 54.4	2.162	3.164	3.3	20.3
8 19	21 44.49	−11 42.5	2.129	3.140	0.8	20.1
8 29	21 37.22	−13 32.7	2.126	3.116	4.4	20.3
9 8	21 30.63	−15 17.9	2.152	3.092	8.0	20.5
9 18	21 25.40	−16 52.6	2.204	3.068	11.3	20.7

454391 2014 NG_{17} 8 16.9 17°.01 6°.0/10.9 18

7 10	22 7.40	−25 9.5	1.843	2.712	13.6	20.0
7 20	22 4.38	−26 49.1	1.784	2.715	10.6	19.8
7 30	21 59.11	−28 31.4	1.747	2.719	7.7	19.6
8 9	21 52.16	−30 7.6	1.736	2.723	6.1	19.5
8 19	21 44.38	−31 29.2	1.750	2.728	6.9	19.6
8 29	21 36.81	−32 29.8	1.791	2.733	9.4	19.8
9 8	21 30.47	−33 6.3	1.854	2.739	12.3	20.0
9 18	21 26.14	−33 19.0	1.939	2.745	14.9	20.2

433311 2013 PJ_{33} 8 16.9 237°.76 1°.7/18.1 18

7 10	22 13.54	− 7 36.6	1.765	2.588	16.0	21.3
7 20	22 9.16	− 7 38.2	1.673	2.578	12.8	21.0
7 30	22 2.37	− 7 53.9	1.602	2.567	8.9	20.8
8 9	21 53.70	− 8 21.5	1.555	2.556	4.7	20.5
8 19	21 43.96	− 8 57.6	1.534	2.544	1.8	20.3
8 29	21 34.26	− 9 37.2	1.540	2.532	5.5	20.5
9 8	21 25.74	−10 14.9	1.572	2.520	9.9	20.7
9 18	21 19.29	−10 46.4	1.628	2.507	13.8	20.9

22071 2000 AB_{107} 8 16.9 171°.40 2°.7/13.7 18

7 10	22 7.43	−18 25.2	2.480	3.325	11.3	18.3
7 20	22 3.73	−19 36.8	2.403	3.325	8.6	18.1
7 30	21 58.36	−20 54.5	2.350	3.326	5.7	17.9
8 9	21 51.75	−22 13.1	2.325	3.327	3.2	17.8
8 19	21 44.49	−23 27.0	2.328	3.327	3.3	17.8
8 29	21 37.34	−24 31.1	2.360	3.328	5.9	17.9
9 8	21 31.03	−25 21.6	2.418	3.328	8.7	18.1
9 18	21 26.16	−25 56.8	2.501	3.328	11.3	18.3

128534 2004 PV_{57} 8 16.9 34°.10 1°.8/18.1 18

7 10	22 10.74	− 8 2.2	1.377	2.224	18.5	19.7
7 20	22 7.28	− 7 59.3	1.315	2.233	14.6	19.5
7 30	22 1.16	− 8 12.8	1.272	2.243	10.1	19.2
8 9	21 53.11	− 8 39.9	1.250	2.253	5.2	19.0
8 19	21 44.15	− 9 15.7	1.253	2.263	1.9	18.8
8 29	21 35.56	− 9 54.4	1.280	2.275	6.0	19.1
9 8	21 28.56	−10 29.6	1.332	2.286	10.6	19.4
9 18	21 23.96	−10 57.1	1.405	2.298	14.7	19.7

347533 1999 XA_{17} 8 16.9 314°.04 10°.2/22.8 18

7 10	22 8.41	+ 7 42.9	1.600	2.371	19.6	20.1
7 20	22 5.66	+ 9 2.4	1.497	2.344	17.3	19.8
7 30	22 0.37	+10 1.8	1.411	2.317	14.6	19.6
8 9	21 52.94	+10 36.3	1.345	2.290	12.0	19.4
8 19	21 44.12	+10 42.2	1.300	2.264	10.3	19.2
8 29	21 35.05	+10 19.1	1.278	2.238	10.6	19.2
9 8	21 27.00	+ 9 31.5	1.278	2.213	12.8	19.2
9 18	21 21.07	+ 8 26.9	1.299	2.189	15.9	19.3

223860 2004 TP_{278} 8 16.9 272°.06 1°.7/18.7 18

7 10	22 7.17	− 5 46.2	2.376	3.186	12.8	21.1
7 20	22 3.51	− 6 0.2	2.290	3.185	10.2	20.9
7 30	21 58.20	− 6 26.5	2.226	3.185	7.2	20.7
8 9	21 51.68	− 7 3.1	2.187	3.184	3.9	20.5
8 19	21 44.54	− 7 47.1	2.175	3.184	1.7	20.3
8 29	21 37.51	− 8 34.3	2.192	3.184	4.1	20.5
9 8	21 31.30	− 9 20.5	2.236	3.183	7.4	20.7
9 18	21 26.52	−10 2.1	2.305	3.183	10.4	20.9

233903 2009 BD_{47} 8 16.9 217°.06 0°.7/17.5 18

7 10	22 10.89	− 9 55.4	2.073	2.899	13.9	21.3
7 20	22 6.66	−10 6.8	1.988	2.896	10.9	21.1
7 30	22 0.43	−10 29.0	1.925	2.893	7.4	20.9
8 9	21 52.73	−10 59.2	1.886	2.890	3.5	20.6
8 19	21 44.26	−11 33.9	1.875	2.887	0.9	20.4
8 29	21 35.92	−12 8.6	1.892	2.883	4.8	20.7
9 8	21 28.59	−12 39.3	1.935	2.879	8.6	20.9
9 18	21 22.99	−13 3.0	2.003	2.875	11.9	21.1

4292 Aoba 8 16.9 218°.39 0°.1/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 11.38	−11 38.3	2.033	2.865	13.9	16.8
7 20	22 7.08	−11 51.6	1.950	2.862	10.9	16.6
7 30	22 0.73	−12 14.6	1.888	2.860	7.3	16.4
8 9	21 52.87	−12 44.4	1.852	2.857	3.3	16.1
8 19	21 44.23	−13 16.9	1.842	2.854	0.8	15.9
8 29	21 35.74	−13 47.7	1.861	2.851	5.0	16.2
9 8	21 28.31	−14 13.0	1.906	2.848	8.8	16.5
9 18	21 22.66	−14 30.1	1.975	2.844	12.2	16.7

317406 2002 PE_{136} 8 16.9 359°.65 4°.3/14.3 18

7 10	22 5.06	−18 3.8	1.010	1.908	19.8	19.2
7 20	22 3.95	−18 57.1	0.953	1.904	15.3	18.9
7 30	21 59.53	−20 2.8	0.913	1.901	10.2	18.7
8 9	21 52.56	−21 11.3	0.894	1.900	5.4	18.4
8 19	21 44.31	−22 11.8	0.896	1.901	5.1	18.4
8 29	21 36.45	−22 54.1	0.919	1.903	9.8	18.7
9 8	21 30.57	−23 12.8	0.962	1.907	14.9	18.9
9 18	21 27.70	−23 6.9	1.023	1.912	19.3	19.2

513941 2014 DD_{88} 8 16.9 296°.41 0°.7/17.3 18

7 10	22 12.74	−11 23.6	1.628	2.470	16.3	21.7
7 20	22 8.88	−11 15.8	1.532	2.449	13.0	21.4
7 30	22 2.39	−11 18.9	1.455	2.428	8.9	21.1
8 9	21 53.80	−11 30.3	1.402	2.407	4.2	20.8
8 19	21 43.96	−11 46.6	1.374	2.386	1.1	20.5
8 29	21 34.08	−12 3.1	1.373	2.365	6.0	20.8
9 8	21 25.42	−12 15.5	1.396	2.344	10.8	21.1
9 18	21 19.01	−12 20.7	1.442	2.324	15.1	21.3

186635 2003 GW_{54} 8 16.9 37°.94 5°.1/12.9 18

7 10	22 13.27	−26 32.7	1.990	2.845	13.3	19.9
7 20	22 8.63	−27 15.2	1.926	2.849	10.4	19.8
7 30	22 1.76	−27 56.9	1.884	2.853	7.5	19.6
8 9	21 53.31	−28 31.5	1.867	2.857	5.4	19.5
8 19	21 44.14	−28 53.4	1.876	2.862	5.7	19.5
8 29	21 35.30	−28 58.8	1.912	2.867	8.1	19.7
9 8	21 27.78	−28 46.7	1.973	2.871	11.0	19.9
9 18	21 22.29	−28 18.0	2.056	2.877	13.7	20.0

252819 2002 GE_{54} 8 16.9 28°.60 3°.1/19.1 18

7 10	22 9.31	− 4 1.4	1.301	2.141	19.7	20.3
7 20	22 6.42	− 4 9.8	1.233	2.144	15.9	20.1
7 30	22 0.77	− 4 40.9	1.183	2.148	11.3	19.8
8 9	21 53.02	− 5 32.5	1.154	2.152	6.4	19.6
8 19	21 44.20	− 6 39.1	1.148	2.157	3.1	19.4
8 29	21 35.64	− 7 52.5	1.167	2.161	6.3	19.6
9 8	21 28.65	− 9 3.8	1.209	2.167	11.1	19.9
9 18	21 24.17	−10 5.8	1.273	2.172	15.5	20.2

182197 2000 UX_{65} 8 16.9 307°.74 5°.1/21.5 18

7 10	22 7.02	+ 2 28.5	2.072	2.853	15.4	20.0
7 20	22 3.73	+ 2 44.8	1.978	2.843	12.9	19.8
7 30	21 58.55	+ 2 43.2	1.903	2.834	10.0	19.6
8 9	21 51.92	+ 2 23.2	1.852	2.825	7.1	19.4
8 19	21 44.48	+ 1 46.0	1.825	2.816	5.2	19.3
8 29	21 37.08	+ 0 55.1	1.825	2.807	6.0	19.3
9 8	21 30.57	− 0 4.1	1.851	2.798	8.6	19.5
9 18	21 25.67	− 1 6.0	1.901	2.790	11.7	19.6

216636 2003 FK_{96} 8 16.9 58°.48 5°.6/11.2 18

7 10	22 9.15	−25 7.9	1.998	2.859	13.0	19.7
7 20	22 5.54	−26 42.0	1.939	2.866	10.1	19.6
7 30	21 59.78	−28 18.2	1.903	2.873	7.3	19.4
8 9	21 52.46	−29 48.4	1.893	2.880	5.7	19.3
8 19	21 44.36	−31 5.1	1.909	2.887	6.4	19.4
8 29	21 36.47	−32 2.3	1.952	2.895	8.8	19.6
9 8	21 29.77	−32 37.3	2.020	2.902	11.5	19.7
9 18	21 24.96	−32 50.4	2.109	2.910	14.1	19.9

106753 2000 XU_{4} 8 16.9 251°.14 2°.5/14.7 18

7 10	22 11.77	−19 53.8	2.377	3.218	11.8	20.2
7 20	22 7.18	−20 20.8	2.289	3.209	9.2	20.0
7 30	22 0.71	−20 51.4	2.224	3.198	6.1	19.8
8 9	21 52.84	−21 21.4	2.185	3.188	3.3	19.6
8 19	21 44.26	−21 46.6	2.175	3.178	2.9	19.6
8 29	21 35.78	−22 3.3	2.192	3.167	5.7	19.8
9 8	21 28.25	−22 9.0	2.236	3.156	8.9	19.9
9 18	21 22.33	−22 3.0	2.305	3.145	11.7	20.1

173734 2001 QT_{241} 8 16.9 300°.67 0°.1/16.9 18

7 10	22 8.52	−10 36.4	1.981	2.816	14.1	19.8
7 20	22 4.95	−11 4.9	1.897	2.812	11.0	19.6
7 30	21 59.37	−11 45.3	1.836	2.808	7.4	19.4
8 9	21 52.28	−12 34.1	1.799	2.804	3.4	19.1
8 19	21 44.40	−13 26.5	1.789	2.800	0.9	18.9
8 29	21 36.65	−14 17.3	1.806	2.797	5.0	19.2
9 8	21 29.91	−15 1.5	1.850	2.793	8.9	19.5
9 18	21 24.92	−15 35.7	1.917	2.789	12.4	19.7

239612 2008 UU_{212} 8 16.9 167°.50 0°.7/17.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 10.76	− 8 47.3	2.094	2.915	13.9	22.1
7 20	22 6.50	− 9 12.6	2.013	2.918	10.9	21.9
7 30	22 0.30	− 9 50.2	1.954	2.921	7.4	21.7
8 9	21 52.67	−10 36.8	1.920	2.923	3.6	21.5
8 19	21 44.31	−11 28.4	1.913	2.925	0.9	21.3
8 29	21 36.10	−12 19.8	1.935	2.926	4.7	21.6
9 8	21 28.91	−13 6.4	1.984	2.927	8.4	21.8
9 18	21 23.41	−13 44.6	2.057	2.928	11.7	22.0

444227 2005 UA_{32} 8 16.9 298°.60 6°.4/23.1 18

7 10	22 6.42	+ 6 58.3	2.171	2.924	15.6	20.8
7 20	22 3.21	+ 7 18.1	2.075	2.914	13.4	20.6
7 30	21 58.18	+ 7 18.1	1.997	2.905	10.8	20.4
8 9	21 51.75	+ 6 57.1	1.941	2.895	8.3	20.2
8 19	21 44.54	+ 6 15.6	1.910	2.885	6.6	20.1
8 29	21 37.35	+ 5 16.6	1.905	2.876	6.8	20.1
9 8	21 30.99	+ 4 5.6	1.926	2.867	8.8	20.2
9 18	21 26.17	+ 2 48.8	1.971	2.857	11.5	20.4

347940 Jorgezuluaga 8 16.9 86°.60 5°.9/10.5 18

7 10	22 12.73	−29 2.1	2.330	3.179	11.8	21.2
7 20	22 7.88	−30 33.9	2.290	3.205	9.3	21.0
7 30	22 1.09	−32 2.9	2.274	3.232	7.1	21.0
8 9	21 52.96	−33 22.1	2.284	3.258	5.9	20.9
8 19	21 44.26	−34 25.4	2.322	3.283	6.6	21.0
8 29	21 35.89	−35 8.9	2.387	3.309	8.4	21.2
9 8	21 28.69	−35 31.5	2.476	3.334	10.6	21.4
9 18	21 23.27	−35 34.5	2.588	3.358	12.6	21.5

512201 2015 TE_{22} 8 16.9 37°.39 1°.9/15.5 18

7 10	22 11.82	−18 3.0	2.084	2.928	13.2	20.7
7 20	22 7.30	−18 18.0	2.011	2.933	10.1	20.5
7 30	22 0.80	−18 37.6	1.962	2.938	6.7	20.3
8 9	21 52.87	−18 57.6	1.937	2.942	3.2	20.1
8 19	21 44.29	−19 14.1	1.940	2.948	2.3	20.0
8 29	21 35.97	−19 23.4	1.971	2.953	5.6	20.3
9 8	21 28.78	−19 23.3	2.028	2.958	9.0	20.5
9 18	21 23.39	−19 13.1	2.109	2.964	12.1	20.7

167522 2003 YQ_{147} 8 16.9 85°.08 7°.8/11.1 17

7 10	22 17.82	−33 25.9	1.893	2.743	14.1	19.8
7 20	22 12.34	−34 25.8	1.842	2.753	11.5	19.6
7 30	22 4.29	−35 19.3	1.812	2.763	9.1	19.5
8 9	21 54.45	−35 58.2	1.806	2.773	7.8	19.5
8 19	21 43.88	−36 16.5	1.826	2.783	8.4	19.5
8 29	21 33.83	−36 10.6	1.871	2.793	10.3	19.7
9 8	21 25.42	−35 41.4	1.940	2.803	12.8	19.8
9 18	21 19.39	−34 52.1	2.029	2.813	15.1	20.0

250028 2002 CO_{46} 8 16.9 62°.77 0°.8/17.5 17

7 10	22 12.44	− 8 45.4	1.280	2.132	19.4	20.8
7 20	22 8.74	− 9 8.5	1.225	2.147	15.1	20.5
7 30	22 2.20	− 9 49.6	1.187	2.161	10.2	20.3
8 9	21 53.61	−10 44.1	1.172	2.177	4.8	20.0
8 19	21 44.09	−11 44.8	1.180	2.192	1.2	19.8
8 29	21 35.05	−12 43.6	1.214	2.207	6.4	20.2
9 8	21 27.76	−13 33.6	1.271	2.223	11.3	20.6
9 18	21 23.07	−14 10.3	1.350	2.239	15.5	20.9

318314 2004 TM_{136} 8 16.9 273°.03 2°.4/14.9 18

7 10	22 11.71	−19 45.0	2.336	3.178	12.0	20.9
7 20	22 7.14	−20 5.5	2.249	3.169	9.3	20.7
7 30	22 0.68	−20 29.4	2.186	3.161	6.2	20.5
8 9	21 52.84	−20 52.6	2.149	3.152	3.2	20.3
8 19	21 44.28	−21 11.2	2.140	3.144	2.8	20.2
8 29	21 35.87	−21 21.7	2.158	3.135	5.6	20.4
9 8	21 28.43	−21 21.8	2.204	3.127	8.8	20.6
9 18	21 22.62	−21 10.9	2.274	3.118	11.7	20.8

279406 2010 EH_{87} 8 16.9 212°.85 3°.6/20.5 18

7 10	22 9.02	+ 0 29.1	2.223	3.005	14.4	21.1
7 20	22 5.13	+ 0 14.9	2.128	2.999	11.9	20.9
7 30	21 59.41	− 0 16.9	2.054	2.993	8.9	20.7
8 9	21 52.29	− 1 5.4	2.004	2.987	5.8	20.5
8 19	21 44.42	− 2 7.9	1.980	2.980	3.7	20.4
8 29	21 36.59	− 3 19.7	1.985	2.973	4.9	20.5
9 8	21 29.62	− 4 35.0	2.017	2.965	8.0	20.6
9 18	21 24.19	− 5 48.0	2.075	2.957	11.2	20.8

71714 2000 GZ_{100} 8 16.9 229°.47 1°.3/16.1 18

7 10	22 15.11	−15 26.7	1.729	2.573	15.4	19.6
7 20	22 10.41	−15 43.2	1.647	2.567	12.0	19.4
7 30	22 3.20	−16 8.0	1.586	2.561	8.0	19.1
8 9	21 54.08	−16 36.7	1.549	2.555	3.6	18.8
8 19	21 43.96	−17 4.0	1.539	2.549	1.9	18.7
8 29	21 34.01	−17 24.9	1.556	2.542	6.3	19.0
9 8	21 25.41	−17 35.8	1.598	2.535	10.6	19.2
9 18	21 19.01	−17 35.0	1.664	2.528	14.3	19.4

514816 2007 TH_{439} 8 16.9 230°.96 0°.5/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 9.19	− 8 53.6	2.220	3.042	13.2	22.4
7 20	22 5.28	− 9 24.3	2.128	3.034	10.4	22.2
7 30	21 59.52	−10 7.2	2.059	3.026	7.1	22.0
8 9	21 52.35	−10 59.4	2.014	3.018	3.4	21.7
8 19	21 44.41	−11 56.7	1.997	3.009	0.8	21.5
8 29	21 36.53	−12 54.0	2.009	3.000	4.6	21.8
9 8	21 29.54	−13 46.4	2.048	2.990	8.3	22.0
9 18	21 24.11	−14 30.3	2.112	2.981	11.5	22.2

114855 2003 PH_{8} 8 16.9 352°.29 1°.9/17.8 18

7 10	22 11.07	−10 17.3	1.102	1.970	20.7	19.3
7 20	22 8.36	− 9 48.0	1.034	1.965	16.4	19.0
7 30	22 2.38	− 9 33.4	0.984	1.961	11.4	18.7
8 9	21 53.86	− 9 31.7	0.953	1.957	5.8	18.4
8 19	21 44.01	− 9 39.2	0.944	1.955	2.0	18.2
8 29	21 34.46	− 9 50.5	0.958	1.954	7.1	18.5
9 8	21 26.79	−10 0.0	0.994	1.954	12.6	18.8
9 18	21 22.09	−10 3.6	1.049	1.955	17.5	19.1

134895 2000 UC_{13} 8 16.9 276°.57 0°.6/16.5 18

7 10	22 10.10	−13 40.0	2.217	3.051	12.8	20.6
7 20	22 6.03	−13 56.9	2.123	3.038	10.0	20.4
7 30	22 0.03	−14 21.7	2.052	3.025	6.6	20.2
8 9	21 52.59	−14 51.4	2.006	3.012	3.0	19.9
8 19	21 44.35	−15 22.0	1.988	2.998	1.2	19.7
8 29	21 36.18	−15 49.5	1.997	2.985	4.9	20.0
9 8	21 28.92	−16 10.4	2.034	2.972	8.6	20.2
9 18	21 23.29	−16 22.4	2.095	2.958	11.9	20.4

3286 Anatoliya 8 16.9 126°.35 4°.2/12.9 18

7 10	22 11.30	−20 36.5	1.936	2.790	13.6	17.0
7 20	22 7.19	−22 0.3	1.872	2.798	10.5	16.9
7 30	22 0.88	−23 29.9	1.831	2.807	7.1	16.7
8 9	21 52.97	−24 57.8	1.816	2.814	4.5	16.5
8 19	21 44.27	−26 16.2	1.828	2.822	4.9	16.6
8 29	21 35.79	−27 18.7	1.868	2.829	7.7	16.8
9 8	21 28.52	−28 1.8	1.933	2.836	10.9	17.0
9 18	21 23.20	−28 24.6	2.020	2.843	13.8	17.2

212962 2009 BV_{72} 8 16.9 132°.33 1°.0/16.3 17

7 10	22 15.86	−13 37.7	1.500	2.348	17.2	21.1
7 20	22 11.17	−14 3.6	1.433	2.355	13.4	20.9
7 30	22 3.75	−14 41.1	1.386	2.362	8.8	20.7
8 9	21 54.32	−15 24.8	1.363	2.369	3.9	20.4
8 19	21 43.92	−16 8.2	1.365	2.376	1.8	20.3
8 29	21 33.88	−16 45.2	1.394	2.382	6.6	20.6
9 8	21 25.43	−17 10.8	1.447	2.387	11.2	20.9
9 18	21 19.47	−17 23.0	1.522	2.393	15.1	21.1

94335 2001 OV_{91} 8 16.9 87°.34 10°.1/26.5 18

7 10	22 9.67	+15 54.2	1.164	1.919	26.3	19.5
7 20	22 6.98	+15 26.4	1.101	1.935	23.0	19.3
7 30	22 1.27	+14 11.0	1.051	1.950	19.0	19.1
8 9	21 53.29	+12 5.2	1.018	1.965	14.7	18.9
8 19	21 44.19	+ 9 13.2	1.006	1.980	11.1	18.8
8 29	21 35.47	+ 5 48.5	1.017	1.995	10.2	18.8
9 8	21 28.56	+ 2 11.6	1.054	2.009	12.6	19.0
9 18	21 24.41	− 1 17.2	1.114	2.023	16.4	19.2

113091 2002 RO_{71} 8 16.9 295°.93 0°.6/16.4 18

7 10	22 9.07	−12 22.7	1.839	2.683	14.7	20.3
7 20	22 5.60	−12 55.0	1.754	2.674	11.4	20.1
7 30	21 59.94	−13 39.0	1.690	2.665	7.6	19.8
8 9	21 52.61	−14 30.7	1.650	2.656	3.4	19.5
8 19	21 44.36	−15 24.6	1.637	2.648	1.3	19.4
8 29	21 36.21	−16 14.8	1.651	2.639	5.6	19.6
9 8	21 29.15	−16 56.2	1.690	2.631	9.8	19.9
9 18	21 24.00	−17 25.4	1.753	2.623	13.5	20.1

51374 2000 YN_{63} 8 16.9 137°.63 2°.3/15.1 18

7 10	22 13.86	−15 15.2	1.749	2.594	15.2	19.6
7 20	22 9.29	−16 18.6	1.682	2.604	11.7	19.4
7 30	22 2.33	−17 32.3	1.638	2.615	7.7	19.2
8 9	21 53.64	−18 49.7	1.619	2.624	3.6	19.0
8 19	21 44.11	−20 3.3	1.627	2.633	2.9	19.0
8 29	21 34.86	−21 6.0	1.662	2.642	6.7	19.2
9 8	21 26.96	−21 53.1	1.723	2.650	10.6	19.5
9 18	21 21.20	−22 22.7	1.808	2.657	14.1	19.7

200044 2007 TR_{291} 8 16.9 338°.06 5°.0/12.4 18

7 10	22 8.38	−21 21.0	1.668	2.536	14.8	19.9
7 20	22 5.39	−22 49.9	1.598	2.532	11.4	19.6
7 30	21 59.96	−24 26.0	1.551	2.528	7.9	19.4
8 9	21 52.65	−26 0.8	1.527	2.525	5.3	19.3
8 19	21 44.35	−27 25.1	1.530	2.522	5.9	19.3
8 29	21 36.21	−28 30.8	1.558	2.519	9.0	19.5
9 8	21 29.38	−29 13.5	1.610	2.516	12.6	19.7
9 18	21 24.72	−29 32.5	1.683	2.514	15.8	19.9

152753 1999 CK_{156} 8 16.9 257°.47 0°.7/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 12.57	−13 0.1	1.796	2.636	15.1	21.6
7 20	22 8.46	−13 25.3	1.704	2.622	11.8	21.4
7 30	22 1.96	−14 1.8	1.633	2.608	7.9	21.1
8 9	21 53.57	−14 45.4	1.587	2.593	3.5	20.8
8 19	21 44.11	−15 31.0	1.567	2.578	1.4	20.6
8 29	21 34.68	−16 12.6	1.574	2.562	5.9	20.9
9 8	21 26.40	−16 45.4	1.607	2.546	10.3	21.1
9 18	21 20.17	−17 6.2	1.663	2.530	14.2	21.3

477586 2010 JD_{53} 8 16.9 149°.11 3°.3/19.8 17

7 10	22 12.40	− 2 23.5	2.205	2.994	14.3	22.1
7 20	22 7.62	− 2 16.2	2.124	3.002	11.6	21.9
7 30	22 0.97	− 2 23.1	2.064	3.010	8.5	21.8
8 9	21 52.97	− 2 43.2	2.029	3.017	5.3	21.6
8 19	21 44.30	− 3 14.2	2.021	3.024	3.3	21.5
8 29	21 35.80	− 3 52.6	2.042	3.030	4.8	21.6
9 8	21 28.29	− 4 33.8	2.090	3.035	7.9	21.8
9 18	21 22.42	− 5 13.7	2.163	3.040	11.0	22.0

200267 1999 XG_{109} 8 16.9 253°.81 2°.1/18.7 18

7 10	22 9.77	− 5 21.6	2.047	2.859	14.5	20.5
7 20	22 5.94	− 5 33.6	1.950	2.847	11.7	20.2
7 30	22 0.08	− 6 0.2	1.874	2.834	8.3	20.0
8 9	21 52.66	− 6 39.9	1.823	2.820	4.6	19.8
8 19	21 44.36	− 7 29.2	1.798	2.807	2.1	19.6
8 29	21 36.06	− 8 23.5	1.801	2.793	4.8	19.7
9 8	21 28.69	− 9 17.2	1.831	2.779	8.7	19.9
9 18	21 23.02	−10 5.6	1.885	2.765	12.2	20.1

120785 1998 FT_3 8 16.9 250°.36 0°.9/16.2 18 R

7 10	22 12.52	−13 40.0	1.954	2.791	14.2	20.9
7 20	22 8.22	−14 7.2	1.860	2.776	11.1	20.7
7 30	22 1.69	−14 44.2	1.788	2.762	7.4	20.4
8 9	21 53.42	−15 27.2	1.741	2.747	3.3	20.1
8 19	21 44.17	−16 11.1	1.721	2.732	1.5	20.0
8 29	21 34.94	−16 50.6	1.729	2.716	5.7	20.2
9 8	21 26.78	−17 21.3	1.763	2.700	9.8	20.4
9 18	21 20.51	−17 40.5	1.821	2.683	13.4	20.6

26532 Eduardoboff 8 16.9 7°.43 2°.7/14.8 18

7 10	22 9.16	−17 2.3	1.688	2.547	15.0	18.4
7 20	22 5.81	−17 51.6	1.617	2.547	11.6	18.2
7 30	22 0.12	−18 49.8	1.569	2.548	7.7	18.0
8 9	21 52.69	−19 50.6	1.544	2.549	3.8	17.7
8 19	21 44.38	−20 47.2	1.545	2.551	3.3	17.7
8 29	21 36.31	−21 33.0	1.572	2.552	7.0	17.9
9 8	21 29.52	−22 3.9	1.624	2.555	10.9	18.2
9 18	21 24.83	−22 18.0	1.698	2.557	14.4	18.4

438627 2007 YN_{72} 8 16.9 322°.12 2°.7/18.7 18

7 10	22 12.44	− 7 6.4	1.849	2.670	15.5	20.6
7 20	22 8.13	− 6 36.7	1.762	2.663	12.5	20.4
7 30	22 1.58	− 6 18.5	1.696	2.656	8.9	20.2
8 9	21 53.35	− 6 10.8	1.653	2.650	5.0	19.9
8 19	21 44.21	− 6 12.0	1.637	2.644	2.7	19.8
8 29	21 35.19	− 6 19.2	1.648	2.639	5.3	19.9
9 8	21 27.32	− 6 28.7	1.684	2.633	9.2	20.1
9 18	21 21.38	− 6 37.2	1.745	2.628	12.8	20.4

178183 2006 UG_{159} 8 16.9 224°.79 0°.4/16.6 18

7 10	22 9.13	−11 51.3	2.126	2.960	13.3	21.0
7 20	22 5.28	−12 22.5	2.044	2.958	10.3	20.8
7 30	21 59.53	−13 3.9	1.983	2.956	6.9	20.6
8 9	21 52.36	−13 51.9	1.948	2.954	3.1	20.3
8 19	21 44.47	−14 42.0	1.941	2.952	1.0	20.1
8 29	21 36.71	−15 29.2	1.961	2.950	4.9	20.4
9 8	21 29.91	−16 9.2	2.008	2.947	8.6	20.6
9 18	21 24.77	−16 39.1	2.079	2.945	11.8	20.9

66690 1999 TH_{63} 8 16.9 120°.81 0°.2/16.7 18

7 10	22 8.86	−11 51.9	2.546	3.370	11.7	19.5
7 20	22 4.66	−12 20.2	2.471	3.380	9.0	19.3
7 30	21 58.88	−12 56.5	2.420	3.390	6.0	19.1
8 9	21 51.99	−13 37.8	2.395	3.400	2.7	18.9
8 19	21 44.58	−14 20.4	2.398	3.409	0.8	18.8
8 29	21 37.34	−15 0.5	2.430	3.418	4.1	19.1
9 8	21 30.95	−15 34.7	2.490	3.427	7.3	19.3
9 18	21 25.94	−16 0.9	2.576	3.436	10.0	19.5

279210 2009 UW_{40} 8 16.9 200°.83 2°.2/18.8 17

7 10	22 11.30	− 4 28.4	1.958	2.767	15.2	21.7
7 20	22 7.14	− 4 49.1	1.870	2.764	12.2	21.5
7 30	22 0.88	− 5 26.2	1.802	2.760	8.7	21.3
8 9	21 53.02	− 6 17.6	1.759	2.756	4.8	21.0
8 19	21 44.30	− 7 19.3	1.743	2.752	2.2	20.9
8 29	21 35.65	− 8 25.7	1.755	2.746	5.0	21.0
9 8	21 28.04	− 9 30.7	1.793	2.741	8.8	21.3
9 18	21 22.24	−10 29.0	1.856	2.735	12.4	21.5

209267 2003 XS_6 8 16.9 237°.87 2°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 13.08	− 5 42.2	2.229	3.030	13.8	20.7
7 20	22 8.29	− 5 24.1	2.131	3.020	11.1	20.5
7 30	22 1.54	− 5 17.0	2.055	3.009	8.0	20.3
8 9	21 53.30	− 5 20.2	2.004	2.998	4.7	20.1
8 19	21 44.24	− 5 31.9	1.981	2.987	2.6	19.9
8 29	21 35.22	− 5 49.2	1.986	2.975	4.8	20.1
9 8	21 27.12	− 6 8.8	2.018	2.963	8.2	20.3
9 18	21 20.65	− 6 27.3	2.076	2.951	11.5	20.4

90206 2003 AO_{72} 8 16.9 9°.53 14°.0/14.9 18

7 10	22 40.10	−40 37.4	0.905	1.768	24.5	18.4
7 20	22 32.42	−40 52.0	0.855	1.768	20.9	18.1
7 30	22 18.92	−40 43.4	0.820	1.769	17.2	17.9
8 9	22 1.26	−39 54.2	0.803	1.771	14.5	17.8
8 19	21 42.31	−38 14.1	0.806	1.773	14.3	17.8
8 29	21 25.37	−35 45.2	0.830	1.776	16.6	17.9
9 8	21 12.87	−32 42.3	0.874	1.780	20.3	18.2
9 18	21 5.69	−29 23.5	0.937	1.785	24.0	18.4

294258 2007 UR_{80} 8 16.9 22°.76 3°.8/14.4 18

7 10	22 11.15	−20 23.1	1.508	2.376	16.1	19.9
7 20	22 7.56	−21 2.6	1.448	2.382	12.4	19.7
7 30	22 1.35	−21 47.3	1.409	2.389	8.3	19.5
8 9	21 53.26	−22 30.2	1.393	2.396	4.6	19.3
8 19	21 44.30	−23 4.6	1.402	2.404	4.4	19.3
8 29	21 35.75	−23 24.7	1.436	2.412	7.9	19.6
9 8	21 28.75	−23 27.8	1.493	2.421	11.8	19.8
9 18	21 24.12	−23 14.1	1.572	2.431	15.3	20.1

465311 2007 UD_{26} 8 16.9 119°.74 5°.9/12.9 17

7 10	22 15.91	−23 50.0	1.459	2.325	16.6	21.2
7 20	22 11.50	−25 1.0	1.400	2.330	13.0	21.0
7 30	22 4.13	−26 15.5	1.361	2.336	9.1	20.8
8 9	21 54.57	−27 23.9	1.346	2.341	6.3	20.7
8 19	21 43.96	−28 17.0	1.356	2.346	6.7	20.7
8 29	21 33.78	−28 47.9	1.391	2.351	9.9	20.9
9 8	21 25.37	−28 54.3	1.449	2.356	13.6	21.1
9 18	21 19.65	−28 37.9	1.527	2.361	17.0	21.4

151391 2002 EM_{72} 8 16.9 207°.96 4°.3/13.0 18

7 10	22 15.11	−27 17.0	2.616	3.453	11.0	20.3
7 20	22 9.59	−27 48.2	2.536	3.449	8.7	20.1
7 30	22 2.23	−28 17.9	2.481	3.445	6.2	19.9
8 9	21 53.55	−28 41.2	2.452	3.440	4.5	19.8
8 19	21 44.24	−28 54.2	2.452	3.435	4.7	19.8
8 29	21 35.13	−28 53.8	2.479	3.430	6.7	20.0
9 8	21 27.03	−28 39.2	2.534	3.424	9.2	20.1
9 18	21 20.57	−28 11.0	2.612	3.418	11.5	20.3

57241 2001 QC_{83} 8 16.9 1°.42 3°.2/18.6 18

7 10	22 7.37	− 7 19.1	0.956	1.833	22.4	18.2
7 20	22 5.79	− 6 51.5	0.896	1.830	18.0	17.9
7 30	22 0.83	− 6 44.9	0.852	1.828	12.7	17.6
8 9	21 53.25	− 6 58.3	0.826	1.828	7.0	17.3
8 19	21 44.29	− 7 27.2	0.820	1.830	3.2	17.1
8 29	21 35.69	− 8 4.3	0.835	1.832	7.5	17.4
9 8	21 29.08	− 8 41.2	0.871	1.837	13.1	17.7
9 18	21 25.59	− 9 10.8	0.926	1.842	18.2	18.0

366027 2012 BD_{139} 8 16.9 163°.23 1°.2/18.2 18

7 10	22 6.77	− 6 34.5	2.468	3.279	12.4	21.4
7 20	22 3.18	− 7 5.0	2.382	3.281	9.8	21.2
7 30	21 57.99	− 7 47.6	2.319	3.282	6.7	21.0
8 9	21 51.65	− 8 40.0	2.282	3.283	3.5	20.8
8 19	21 44.72	− 9 38.3	2.273	3.283	1.2	20.6
8 29	21 37.89	−10 38.2	2.292	3.284	4.0	20.8
9 8	21 31.84	−11 35.1	2.340	3.285	7.2	21.1
9 18	21 27.16	−12 25.4	2.412	3.285	10.1	21.2

314419 2005 UN_{372} 8 16.9 345°.55 5°.7/21.6 18

7 10	22 7.81	+ 2 26.6	1.959	2.742	16.1	19.8
7 20	22 4.44	+ 2 59.3	1.872	2.738	13.5	19.6
7 30	21 59.08	+ 3 14.2	1.805	2.734	10.6	19.4
8 9	21 52.22	+ 3 10.6	1.760	2.731	7.7	19.3
8 19	21 44.56	+ 2 49.1	1.740	2.728	5.8	19.1
8 29	21 36.98	+ 2 12.7	1.746	2.725	6.5	19.2
9 8	21 30.39	+ 1 26.4	1.777	2.723	9.0	19.3
9 18	21 25.49	+ 0 35.8	1.832	2.721	12.0	19.5

507950 2015 BE_3 8 16.9 37°.23 3°.4/14.8 17

7 10	22 11.72	−17 44.4	1.306	2.178	17.8	20.9
7 20	22 8.35	−18 34.4	1.249	2.185	13.7	20.7
7 30	22 2.07	−19 34.0	1.211	2.193	9.1	20.4
8 9	21 53.66	−20 35.2	1.196	2.202	4.6	20.2
8 19	21 44.25	−21 29.2	1.205	2.211	4.1	20.2
8 29	21 35.27	−22 8.6	1.239	2.220	8.3	20.5
9 8	21 28.06	−22 29.2	1.295	2.230	12.7	20.8
9 18	21 23.50	−22 30.2	1.372	2.240	16.6	21.0

34115 2000 PV_{26} 8 16.9 12°.58 6°.1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 12.84	− 3 28.0	1.254	2.090	20.6	16.9
7 20	22 9.24	− 2 9.8	1.189	2.093	17.0	16.7
7 30	22 2.71	− 1 8.5	1.142	2.097	12.8	16.5
8 9	21 53.98	− 0 26.5	1.115	2.103	8.6	16.2
8 19	21 44.15	− 0 4.3	1.111	2.110	6.2	16.1
8 29	21 34.68	+ 0 0.4	1.131	2.118	7.9	16.3
9 8	21 26.92	− 0 7.3	1.173	2.127	11.8	16.5
9 18	21 21.82	− 0 21.5	1.236	2.137	15.7	16.8

392084 2009 DY_{59} 8 16.9 140°.00 0°.3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.33	−10 29.4	1.996	2.831	14.0	21.1
7 20	22 4.80	−11 14.8	1.917	2.831	10.9	20.9
7 30	21 59.30	−12 12.9	1.859	2.832	7.3	20.6
8 9	21 52.32	−13 19.5	1.827	2.833	3.2	20.4
8 19	21 44.58	−14 29.2	1.822	2.833	1.0	20.2
8 29	21 36.98	−15 35.7	1.844	2.834	5.1	20.5
9 8	21 30.40	−16 33.8	1.894	2.834	9.0	20.8
9 18	21 25.53	−17 19.8	1.967	2.834	12.3	21.0

335516 2005 YT_{199} 8 16.9 169°.92 0°.3/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.42	− 8 19.9	1.925	2.753	14.7	20.4
7 20	22 5.72	− 9 8.2	1.845	2.754	11.5	20.2
7 30	21 59.95	−10 11.7	1.786	2.756	7.8	20.0
8 9	21 52.63	−11 26.2	1.753	2.757	3.6	19.8
8 19	21 44.51	−12 46.0	1.746	2.758	0.8	19.6
8 29	21 36.52	−14 4.2	1.768	2.758	5.1	19.9
9 8	21 29.59	−15 14.6	1.816	2.759	9.1	20.1
9 18	21 24.46	−16 12.7	1.889	2.759	12.6	20.3

19686 1999 RL_{197} 8 16.9 239°.61 3°.8/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.61	− 0 15.4	2.398	3.179	13.5	17.8
7 20	22 4.68	− 0 2.7	2.305	3.175	11.1	17.6
7 30	21 59.06	− 0 4.2	2.233	3.170	8.4	17.4
8 9	21 52.18	− 0 19.6	2.185	3.165	5.6	17.3
8 19	21 44.63	− 0 47.2	2.164	3.160	3.9	17.1
8 29	21 37.14	− 1 24.2	2.170	3.155	4.9	17.2
9 8	21 30.46	− 2 6.4	2.204	3.150	7.6	17.4
9 18	21 25.20	− 2 49.7	2.264	3.145	10.4	17.5

68280 2001 FR_{8} 8 16.9 240°.38 5°.7/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 16.56	−28 32.6	2.152	2.997	12.8	17.9
7 20	22 11.28	−29 21.8	2.070	2.986	10.2	17.7
7 30	22 3.68	−30 9.7	2.011	2.974	7.6	17.5
8 9	21 54.33	−30 49.6	1.978	2.961	5.8	17.4
8 19	21 44.08	−31 15.5	1.972	2.948	6.3	17.4
8 29	21 33.99	−31 23.0	1.992	2.935	8.6	17.5
9 8	21 25.12	−31 10.9	2.038	2.922	11.4	17.7
9 18	21 18.29	−30 40.4	2.106	2.908	14.1	17.8

306246 2011 QK_{76} 8 16.9 248°.51 1°.3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.85	− 7 13.1	2.024	2.846	14.3	21.1
7 20	22 5.19	− 7 34.4	1.939	2.843	11.3	20.9
7 30	21 59.56	− 8 9.6	1.874	2.839	7.8	20.7
8 9	21 52.45	− 8 55.9	1.834	2.836	4.0	20.4
8 19	21 44.56	− 9 49.4	1.821	2.832	1.3	20.2
8 29	21 36.78	−10 44.9	1.836	2.828	4.7	20.5
9 8	21 29.97	−11 37.1	1.877	2.824	8.5	20.7
9 18	21 24.86	−12 21.8	1.943	2.821	12.0	20.9

392842 2012 UM_{30} 8 16.9 314°.40 2°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.29	−16 8.6	1.599	2.459	15.7	20.6
7 20	22 6.20	−16 52.3	1.517	2.448	12.2	20.4
7 30	22 0.60	−17 46.6	1.456	2.436	8.1	20.1
8 9	21 53.04	−18 45.9	1.419	2.425	3.9	19.8
8 19	21 44.40	−19 42.8	1.407	2.414	3.0	19.8
8 29	21 35.86	−20 30.4	1.420	2.404	7.2	20.0
9 8	21 28.62	−21 3.4	1.458	2.394	11.5	20.2
9 18	21 23.59	−21 19.3	1.518	2.384	15.4	20.4

255323 2005 WJ_{32} 8 16.9 236°.50 2°.7/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.76	−19 56.7	2.514	3.356	11.2	20.8
7 20	22 5.58	−20 41.2	2.428	3.348	8.7	20.6
7 30	21 59.67	−21 29.8	2.365	3.340	5.8	20.5
8 9	21 52.46	−22 18.2	2.330	3.331	3.2	20.3
8 19	21 44.58	−23 1.8	2.322	3.322	3.2	20.3
8 29	21 36.78	−23 36.4	2.343	3.313	5.7	20.4
9 8	21 29.83	−23 59.2	2.390	3.304	8.7	20.6
9 18	21 24.36	−24 9.0	2.462	3.294	11.3	20.7

327809 2006 VS_{38} 8 16.9 100°.58 3°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 13.04	− 2 59.2	1.629	2.442	17.6	21.0
7 20	22 8.71	− 2 56.5	1.561	2.455	14.2	20.8
7 30	22 2.00	− 3 12.4	1.513	2.467	10.3	20.6
8 9	21 53.57	− 3 45.3	1.487	2.480	6.2	20.4
8 19	21 44.32	− 4 31.5	1.487	2.492	3.5	20.3
8 29	21 35.36	− 5 25.3	1.513	2.504	5.7	20.4
9 8	21 27.78	− 6 20.2	1.565	2.516	9.6	20.7
9 18	21 22.34	− 7 10.5	1.640	2.527	13.3	21.0

313999 2004 TY_{336} 8 16.9 330°.17 4°.2/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 7.18	− 3 54.8	1.135	1.989	21.2	20.0
7 20	22 5.38	− 3 38.0	1.059	1.977	17.3	19.7
7 30	22 0.52	− 3 44.6	0.999	1.966	12.6	19.4
8 9	21 53.19	− 4 14.6	0.958	1.955	7.6	19.1
8 19	21 44.41	− 5 4.6	0.939	1.946	4.2	18.9
8 29	21 35.69	− 6 7.1	0.942	1.937	7.2	19.0
9 8	21 28.59	− 7 12.6	0.966	1.929	12.5	19.3
9 18	21 24.29	− 8 12.2	1.011	1.922	17.4	19.6

480314 2015 HJ_{175} 8 16.9 17°.57 1°.8/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.19	− 8 15.7	1.383	2.233	18.3	20.5
7 20	22 6.19	− 8 12.2	1.317	2.237	14.4	20.3
7 30	22 0.57	− 8 24.8	1.271	2.243	10.0	20.0
8 9	21 53.01	− 8 50.8	1.247	2.249	5.1	19.8
8 19	21 44.52	− 9 25.6	1.246	2.257	1.8	19.6
8 29	21 36.34	−10 3.3	1.270	2.265	5.9	19.9
9 8	21 29.68	−10 37.7	1.318	2.273	10.6	20.2
9 18	21 25.37	−11 4.4	1.388	2.283	14.7	20.4

18168 2000 PN_{28} 8 16.9 215°.48 7°.9/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 10.34	+10 49.9	2.175	2.895	16.4	18.9
7 20	22 6.32	+11 22.7	2.079	2.889	14.4	18.7
7 30	22 0.35	+11 34.3	2.001	2.883	12.0	18.5
8 9	21 52.87	+11 22.4	1.945	2.876	9.7	18.4
8 19	21 44.54	+10 46.7	1.913	2.868	8.1	18.3
8 29	21 36.22	+ 9 49.5	1.906	2.861	8.1	18.2
9 8	21 28.79	+ 8 36.1	1.925	2.852	9.6	18.3
9 18	21 22.97	+ 7 13.2	1.969	2.844	12.0	18.5

514611 2003 UK_{20} 8 16.9 304°.25 7°.9/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 15.94	−30 30.9	1.651	2.513	15.2	20.9
7 20	22 11.78	−31 27.7	1.564	2.487	12.4	20.7
7 30	22 4.60	−32 22.7	1.498	2.461	9.6	20.5
8 9	21 55.00	−33 6.9	1.455	2.435	7.9	20.3
8 19	21 44.01	−33 31.3	1.436	2.409	8.6	20.3
8 29	21 33.08	−33 29.8	1.442	2.384	11.3	20.4
9 8	21 23.69	−33 0.7	1.470	2.358	14.7	20.5
9 18	21 16.97	−32 6.5	1.518	2.333	17.9	20.7

416676 2004 XO_{5} 8 16.9 337°.58 28°.6/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.45	+18 38.2	0.937	1.707	30.4	19.3
7 20	22 6.91	+23 47.1	0.866	1.676	29.5	19.1
7 30	22 2.65	+28 43.1	0.810	1.646	28.9	18.9
8 9	21 54.75	+33 6.7	0.768	1.619	28.6	18.7
8 19	21 43.92	+36 37.5	0.739	1.595	28.8	18.6
8 29	21 31.87	+38 59.3	0.723	1.573	29.6	18.6
9 8	21 21.07	+40 7.5	0.716	1.555	30.6	18.6
9 18	21 13.88	+40 7.4	0.717	1.540	31.9	18.6

341199 2007 RH_{72} 8 16.9 48°.86 5°.9/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 17.10	−27 45.9	1.815	2.668	14.4	21.0
7 20	22 11.92	−28 25.3	1.749	2.670	11.4	20.8
7 30	22 4.18	−29 2.8	1.704	2.671	8.3	20.7
8 9	21 54.59	−29 31.1	1.684	2.672	6.1	20.5
8 19	21 44.17	−29 44.3	1.690	2.674	6.4	20.6
8 29	21 34.13	−29 38.3	1.722	2.675	8.9	20.7
9 8	21 25.62	−29 12.8	1.778	2.677	12.0	20.9
9 18	21 19.45	−28 29.6	1.856	2.678	14.9	21.1

195043 2002 CP_{61} 8 16.9 205°.97 3°.6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 16.94	−22 16.1	2.097	2.939	13.2	20.7
7 20	22 11.48	−22 48.3	2.016	2.934	10.3	20.5
7 30	22 3.78	−23 22.8	1.957	2.929	7.0	20.3
8 9	21 54.41	−23 54.3	1.925	2.924	4.2	20.1
8 19	21 44.21	−24 17.4	1.920	2.918	4.0	20.1
8 29	21 34.20	−24 28.1	1.943	2.911	6.9	20.3
9 8	21 25.40	−24 24.3	1.992	2.904	10.2	20.5
9 18	21 18.57	−24 6.3	2.065	2.897	13.2	20.7

476032 2007 RN_{235} 8 16.9 319°.23 1°.1/17.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.41	− 8 53.2	1.528	2.376	16.9	21.6
7 20	22 4.92	− 9 1.7	1.435	2.355	13.5	21.3
7 30	21 59.90	− 9 26.1	1.361	2.334	9.3	21.0
8 9	21 52.85	−10 3.9	1.309	2.313	4.6	20.7
8 19	21 44.58	−10 50.7	1.282	2.293	1.3	20.4
8 29	21 36.26	−11 40.1	1.280	2.274	6.0	20.7
9 8	21 29.14	−12 25.5	1.302	2.256	10.9	20.9
9 18	21 24.22	−13 1.7	1.345	2.238	15.3	21.1

150818 2001 RZ_{126} 8 16.9 270°.80 4°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 14.06	−21 28.4	1.661	2.520	15.3	19.7
7 20	22 9.94	−22 16.1	1.580	2.508	11.9	19.4
7 30	22 3.14	−23 9.3	1.520	2.496	8.2	19.2
8 9	21 54.26	−24 0.9	1.484	2.484	4.9	18.9
8 19	21 44.24	−24 43.4	1.473	2.472	4.9	18.9
8 29	21 34.36	−25 10.6	1.489	2.460	8.3	19.1
9 8	21 25.86	−25 18.8	1.528	2.447	12.3	19.3
9 18	21 19.72	−25 8.0	1.590	2.435	15.9	19.5

507080 2009 BE_{13} 8 16.9 180°.09 4°.6/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 12.69	+ 1 49.8	2.488	3.247	13.7	21.9
7 20	22 7.75	+ 2 18.2	2.397	3.249	11.4	21.8
7 30	22 1.09	+ 2 32.6	2.326	3.249	8.8	21.6
8 9	21 53.15	+ 2 32.7	2.281	3.250	6.3	21.4
8 19	21 44.54	+ 2 19.2	2.262	3.249	4.7	21.3
8 29	21 36.02	+ 1 54.4	2.272	3.249	5.4	21.4
9 8	21 28.32	+ 1 22.0	2.309	3.247	7.7	21.5
9 18	21 22.08	+ 0 45.8	2.372	3.245	10.3	21.7

516023 2015 SJ_{13} 8 16.9 324°.84 4°.9/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.21	+ 2 20.3	2.141	2.920	15.0	20.8
7 20	22 3.84	+ 2 33.1	2.052	2.916	12.5	20.6
7 30	21 58.65	+ 2 28.3	1.982	2.912	9.7	20.4
8 9	21 52.09	+ 2 5.9	1.935	2.908	6.9	20.3
8 19	21 44.80	+ 1 27.4	1.913	2.905	5.0	20.1
8 29	21 37.58	+ 0 36.2	1.919	2.901	5.7	20.2
9 8	21 31.25	− 0 22.4	1.950	2.898	8.3	20.3
9 18	21 26.46	− 1 22.9	2.007	2.895	11.2	20.5

444709 2007 EJ_{140} 8 16.9 153°.20 2°.2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.07	− 3 15.0	2.411	3.209	13.0	21.8
7 20	22 3.48	− 3 36.8	2.325	3.211	10.4	21.6
7 30	21 58.26	− 4 12.7	2.261	3.213	7.5	21.4
8 9	21 51.87	− 5 0.8	2.221	3.215	4.4	21.3
8 19	21 44.87	− 5 58.1	2.210	3.216	2.2	21.1
8 29	21 37.97	− 7 0.0	2.226	3.218	4.1	21.2
9 8	21 31.87	− 8 1.7	2.271	3.219	7.2	21.4
9 18	21 27.15	− 8 59.1	2.341	3.220	10.2	21.6

62189 2000 SQ_{41} 8 16.9 92°.27 5°.0/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.30	−26 7.6	2.130	2.983	12.6	19.2
7 20	22 7.86	−27 1.2	2.063	2.985	9.9	19.0
7 30	22 1.33	−27 55.0	2.018	2.987	7.1	18.8
8 9	21 53.29	−28 42.6	2.000	2.989	5.2	18.7
8 19	21 44.52	−29 18.3	2.007	2.991	5.6	18.7
8 29	21 36.00	−29 37.9	2.042	2.993	7.9	18.9
9 8	21 28.65	−29 39.7	2.102	2.995	10.6	19.1
9 18	21 23.17	−29 24.4	2.184	2.997	13.2	19.3

121251 1999 RO_{71} 8 16.9 333°.23 0°.6/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 7.86	−12 33.8	1.994	2.836	13.8	19.8
7 20	22 4.51	−13 5.4	1.912	2.831	10.7	19.5
7 30	21 59.17	−13 47.4	1.851	2.826	7.1	19.3
8 9	21 52.34	−14 36.0	1.816	2.822	3.2	19.1
8 19	21 44.75	−15 26.3	1.807	2.818	1.2	18.9
8 29	21 37.27	−16 13.0	1.825	2.814	5.2	19.2
9 8	21 30.80	−16 51.5	1.869	2.810	9.0	19.4
9 18	21 26.05	−17 19.0	1.938	2.807	12.4	19.6

510889 2013 CP_{158} 8 16.9 51°.40 1°.4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.37	−16 35.2	2.021	2.863	13.6	21.0
7 20	22 7.78	−16 46.5	1.955	2.874	10.5	20.8
7 30	22 1.18	−17 3.3	1.910	2.886	6.9	20.6
8 9	21 53.18	−17 21.8	1.891	2.897	3.1	20.4
8 19	21 44.56	−17 38.1	1.899	2.908	1.9	20.3
8 29	21 36.25	−17 48.4	1.935	2.920	5.4	20.6
9 8	21 29.11	−17 50.6	1.997	2.932	8.9	20.8
9 18	21 23.81	−17 43.4	2.083	2.944	12.0	21.1

92003 1999 VG_{149} 8 17.0 315°.26 5°.0/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.91	+ 3 10.8	2.223	2.995	14.7	19.5
7 20	22 3.56	+ 3 24.1	2.132	2.990	12.4	19.4
7 30	21 58.44	+ 3 19.9	2.060	2.985	9.7	19.2
8 9	21 52.00	+ 2 58.0	2.011	2.980	6.9	19.0
8 19	21 44.85	+ 2 19.8	1.987	2.975	5.1	18.9
8 29	21 37.76	+ 1 28.6	1.990	2.971	5.7	18.9
9 8	21 31.50	+ 0 29.3	2.020	2.966	8.1	19.1
9 18	21 26.73	− 0 32.5	2.075	2.962	10.9	19.2

266405 2007 EB_{223} 8 17.0 197°.00 1°.3/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.49	−15 9.0	2.546	3.381	11.4	20.5
7 20	22 4.54	−15 51.0	2.463	3.379	8.7	20.3
7 30	21 58.97	−16 39.9	2.403	3.378	5.7	20.1
8 9	21 52.20	−17 32.0	2.370	3.376	2.6	19.9
8 19	21 44.82	−18 23.0	2.365	3.374	1.8	19.8
8 29	21 37.53	−19 8.5	2.389	3.371	4.8	20.0
9 8	21 31.06	−19 45.3	2.441	3.369	7.8	20.2
9 18	21 25.98	−20 11.4	2.517	3.366	10.6	20.4

289012 2004 TM_{103} 8 17.0 230°.50 5°.4/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.79	+ 7 39.0	2.782	3.511	13.0	20.9
7 20	22 3.12	+ 7 46.2	2.680	3.503	11.2	20.8
7 30	21 57.99	+ 7 36.8	2.597	3.494	9.1	20.6
8 9	21 51.76	+ 7 10.3	2.538	3.485	7.0	20.5
8 19	21 44.92	+ 6 27.5	2.505	3.476	5.5	20.3
8 29	21 38.10	+ 5 30.9	2.500	3.467	5.7	20.3
9 8	21 31.93	+ 4 24.6	2.522	3.457	7.3	20.4
9 18	21 26.95	+ 3 13.6	2.570	3.447	9.5	20.6

143645 2003 OP_4 8 17.0 85°.82 6°.8/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	22 15.01	+ 7 16.9	2.439	3.162	14.8	19.4
7 20	22 9.43	+ 8 19.4	2.368	3.184	12.7	19.2
7 30	22 2.13	+ 9 5.6	2.317	3.205	10.4	19.1
8 9	21 53.59	+ 9 34.0	2.289	3.225	8.2	19.0
8 19	21 44.48	+ 9 44.0	2.288	3.246	6.9	19.0
8 29	21 35.58	+ 9 37.0	2.315	3.266	7.1	19.0
9 8	21 27.65	+ 9 16.6	2.368	3.286	8.5	19.1
9 18	21 21.27	+ 8 47.0	2.446	3.306	10.5	19.3

455038 2015 UY_5 8 17.0 283°.64 2°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.84	−17 37.0	2.296	3.139	12.2	21.3
7 20	22 5.85	−18 6.6	2.205	3.126	9.4	21.1
7 30	21 59.99	−18 41.8	2.137	3.113	6.2	20.9
8 9	21 52.71	−19 18.7	2.095	3.100	3.1	20.7
8 19	21 44.68	−19 52.9	2.080	3.087	2.4	20.6
8 29	21 36.72	−20 20.1	2.094	3.074	5.5	20.8
9 8	21 29.66	−20 37.3	2.133	3.061	8.8	21.0
9 18	21 24.19	−20 42.9	2.197	3.048	11.9	21.1

265379 2004 RV_{248} 8 17.0 328°.11 5°.6/17.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 26.88	−10 38.8	0.980	1.833	23.8	20.0
7 20	22 21.42	− 8 35.3	0.907	1.826	19.4	19.7
7 30	22 11.67	− 6 35.1	0.851	1.820	14.1	19.3
8 9	21 58.42	− 4 41.7	0.816	1.813	8.5	19.0
8 19	21 43.22	− 3 0.3	0.803	1.808	5.6	18.9
8 29	21 28.34	− 1 35.0	0.813	1.803	9.6	19.1
9 8	21 15.97	− 0 26.8	0.846	1.798	15.3	19.4
9 18	21 7.57	+ 0 26.5	0.898	1.795	20.5	19.7

156001 2001 RC_{30} 8 17.0 305°.39 1°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 8.93	− 8 3.5	1.461	2.308	17.7	20.2
7 20	22 6.27	− 8 12.2	1.367	2.286	14.1	19.9
7 30	22 0.92	− 8 38.3	1.292	2.264	9.9	19.6
8 9	21 53.38	− 9 19.6	1.239	2.242	5.0	19.2
8 19	21 44.49	−10 11.7	1.210	2.221	1.6	19.0
8 29	21 35.51	−11 7.6	1.206	2.200	6.2	19.2
9 8	21 27.77	−12 0.1	1.226	2.180	11.4	19.4
9 18	21 22.36	−12 43.1	1.267	2.160	16.0	19.7

514685 2005 XF_{61} 8 17.0 200°.41 0°.2/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 9.22	−12 4.9	2.627	3.450	11.4	22.8
7 20	22 5.03	−12 28.2	2.539	3.447	8.8	22.6
7 30	21 59.26	−12 59.4	2.475	3.445	5.9	22.4
8 9	21 52.33	−13 35.6	2.437	3.442	2.6	22.2
8 19	21 44.81	−14 13.4	2.427	3.438	0.8	22.0
8 29	21 37.38	−14 49.2	2.446	3.435	4.1	22.3
9 8	21 30.73	−15 19.7	2.494	3.431	7.2	22.5
9 18	21 25.42	−15 42.9	2.566	3.427	10.0	22.7

186707 2004 BR_{72} 8 17.0 216°.63 1°.6/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 11.28	− 5 59.5	1.748	2.571	16.2	21.4
7 20	22 7.47	− 6 26.8	1.663	2.566	12.9	21.2
7 30	22 1.34	− 7 11.7	1.597	2.561	9.0	21.0
8 9	21 53.42	− 8 11.3	1.555	2.556	4.7	20.7
8 19	21 44.52	− 9 20.6	1.540	2.550	1.6	20.5
8 29	21 35.69	−10 32.9	1.551	2.544	5.3	20.7
9 8	21 28.02	−11 41.3	1.589	2.537	9.7	21.0
9 18	21 22.35	−12 40.1	1.650	2.531	13.6	21.2

270260 2001 UD_{116} 8 17.0 301°.82 5°.0/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.81	−22 26.5	1.538	2.404	15.9	20.6
7 20	22 9.17	−23 20.7	1.462	2.394	12.4	20.4
7 30	22 2.73	−24 20.0	1.407	2.384	8.6	20.1
8 9	21 54.12	−25 16.6	1.375	2.374	5.5	19.9
8 19	21 44.35	−26 2.3	1.368	2.364	5.7	19.9
8 29	21 34.75	−26 30.0	1.386	2.354	9.1	20.1
9 8	21 26.65	−26 36.5	1.427	2.345	13.0	20.3
9 18	21 21.05	−26 21.9	1.489	2.336	16.7	20.5

77589 2001 KC_{17} 8 17.0 346°.41 5°.1/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 6.22	−20 35.4	1.477	2.355	15.8	18.3
7 20	22 4.08	−22 0.0	1.408	2.347	12.2	18.0
7 30	21 59.34	−23 33.4	1.359	2.340	8.4	17.8
8 9	21 52.58	−25 6.8	1.334	2.334	5.4	17.6
8 19	21 44.74	−26 30.1	1.334	2.329	6.0	17.6
8 29	21 37.06	−27 34.4	1.358	2.325	9.4	17.8
9 8	21 30.79	−28 14.7	1.405	2.321	13.3	18.0
9 18	21 26.86	−28 29.9	1.471	2.319	16.8	18.3

450921 2008 DH_{89} 8 17.0 26°.43 6°.0/12.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	22 12.57	−27 32.3	1.742	2.606	14.5	20.4
7 20	22 8.43	−28 20.3	1.688	2.615	11.4	20.2
7 30	22 1.85	−29 6.4	1.656	2.625	8.3	20.1
8 9	21 53.55	−29 43.4	1.647	2.635	6.2	20.0
8 19	21 44.53	−30 5.2	1.663	2.646	6.6	20.0
8 29	21 35.95	−30 7.7	1.705	2.658	9.0	20.2
9 8	21 28.86	−29 50.2	1.770	2.670	12.0	20.4
9 18	21 24.01	−29 14.7	1.857	2.682	14.8	20.6